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ERRATA

MPC	Line	
28978	-40	Add J. Huang, J. Dvořák
29224	3	For 17.0 H read 17.0 R
29224	17	For 17.5 H read 17.5 R

NEW OBSERVATORY CODES

The following listing is a continuation to that on MPC 29169. The longitudes λ are measured in degrees eastward from Greenwich, and the parallax constants $\rho \cos \phi'$ and $\rho \sin \phi'$ are the product of the geocentric distance (in earth equatorial radii) and the cosine and sine, respectively, of the geocentric latitude.

Obs.	λ	$\rho \cos \phi'$	$\rho \sin \phi'$	
131	4.725	0.7123	+0.6996	Observatoire de l'Ardeche
132	5.242	0.7192	+0.6926	Bedoin
133	5.0906	0.72819	+0.68309	Les Tardieux
134	11.4842	0.63160	+0.77277	Groaschwabhausen
706	253.8906	0.77868	+0.62573	Salida
958	358.9717	0.72421	+0.68727	Observatoire de Dax

CORRECTED OBSERVATIONS

The following observations correct those previously published.

Object	Date	UT	α_{2000}	δ_{2000}	Reference	Mag.	Obs.
(1376)	1990 02 27.28455	08 34 27.99	+16 20 24.8	MPC28748	16.5	675	
(1376)	1990 02 28.28270	08 33 46.31	+16 24 26.2	MPC28748		675	

DELETED OBSERVATION

The following observation is to be deleted.

Object	Date	UT	α_{2000}	δ_{2000}	Reference	Obs.
1990 RT ₂	1995 11 12.43657	06 26 11.47	+40 51 26.8	MPC27820		689

IDENTIFICATION CHANGES

Continuation to MPC 29169.

Object	Date	UT	α_{2000}	δ_{2000}	Originally	Mag.	Obs.
1989 GS ₈	* 1989 04 10.25417	13 47 22.02	-15 37 27.6	1989 GG ₆	19.6	809	
1989 GS ₈	1989 04 10.26458	13 47 21.36	-15 37 23.8	1989 GG ₆		809	
1989 GS ₈	1989 04 10.27500	13 47 20.75	-15 37 21.5	1989 GG ₆		809	
1990 YQ ₁	* 1990 12 19.60799	03 24 47.65	+15 11 11.8	1990 XC ₂	18	372	
1990 YQ ₁	1990 12 19.61944	03 24 47.32	+15 11 09.8	1990 XC ₂		372	
1991 FS ₆	* 1991 03 16.32463	12 43 09.81	+01 04 18.2	1991 EN ₁		801	
1991 FS ₆	1991 03 16.33646	12 43 09.22	+01 04 21.5	1991 EN ₁		801	
1993 HH ₈	* 1993 04 16.48568	12 22 03.42	+02 02 30.9	1993 FJ ₄₀	17.7	413	
1993 HJ ₈	* 1993 04 16.48568	12 22 15.95	+02 01 49.2	1993 FN ₃₈	16.7	413	
1994 VN ₈	* 1994 11 09.70426	04 12 42.93	+23 21 32.8	1994 VK ₂		868	
1994 VN ₈	1994 11 09.73030	04 12 41.88	+23 21 17.7	1994 VK ₂		868	
1996 KN ₉	* 1996 05 22.06597	14 10 51.44	-13 13 16.2	1996 KT ₅		809	
1996 KN ₉	1996 05 22.07917	14 10 50.89	-13 13 11.1	1996 KT ₅		809	
1996 KN ₉	1996 05 22.09236	14 10 50.35	-13 13 07.4	1996 KT ₅		809	

OBSERVATIONS OF COMETS

Observations are published here for the following observatory codes:

- 006 Fabra Observatory, Barcelona. 0.38-m $f/11$ Mailhat astrograph. Observers J. M. Codina, J. Nuñez and A. Olle. Measured by N. Torras, A. Olle, O. Fors and J. Nuñez.
- 046 Kleť. 0.57-m $f/5.2$ reflector + CCD. Observers J. Tichá, M. Tichý and Z. Moravec.
- 057 Belgrade. 0.14-m $f/12$ Askania astrograph + CCD. Observers V. Benishek, V. Protitch-Benishek and I. Graovac.
- 089 Nikolaev. 0.12-m $f/2$ astrograph. Observers G. Gorel and L. Gudkova.
- 105 Sternberg Astronomical Institute, Moscow. 0.2-m $f/15$ refractor. Observer S. V. Zhuiko. Measured by N. M. Evstigneeva.
- 108 Montelupo. 0.30-m $f/5.7$ Schmidt-Cassegrain + CCD. Observers M. Tombelli and G. Forti.
- 118 Modra. 0.6-m $f/5.5$ reflector + CCD. Observers Š. Gajdoš, A. Galád, D. Kalmančok, P. Kolény, L. Kornoš and A. Pravda.
- 121 Chuguev. 0.70-m $f/4$ reflector + CCD. Observer Yu. N. Krugly.

C/1995 O1	1997 01 30.14972	19 36 08.39	+14 36 33.0	089	P/1997 B1	1997 02 17.52409	09 49 33.68	+14 10 26.4	411
C/1995 O1	1997 01 30.16310	19 36 10.25	+14 36 54.6	089	P/1997 B1	1997 02 26.51788	09 44 08.32	+12 54 35.2	411
C/1995 O1	1997 01 30.17125	19 36 11.40	+14 37 09.1	089	P/1997 B1	1997 02 26.67939	09 44 02.59	+12 53 11.8	411
C/1995 O1	1997 02 05.15567	19 51 06.23	+17 33 49.9	121	P/1997 B1	1997 02 26.68476	09 44 02.39	+12 53 09.1	411
C/1995 O1	1997 02 05.15742	19 51 06.57	+17 33 53.6	121	P/1997 B1	1997 03 01.50366	09 42 34.80	+12 28 48.1	411
C/1995 O1	1997 02 05.15854	19 51 06.74	+17 33 55.4	121	P/1997 B1	1997 03 01.51088	09 42 34.59	+12 28 44.4	411
C/1995 O1	1997 02 05.16052	19 51 07.02	+17 33 59.3	121	P/1997 B1	1997 03 03.45572	09 41 39.26	+12 11 48.1	411
C/1995 O1	1997 02 05.16263	19 51 07.38	+17 34 03.4	121	P/1997 B1	1997 03 03.45741	09 41 39.22	+12 11 47.6	411
C/1995 O1	1997 02 10.15305	20 05 15.78	+20 20 05.2	089	P/1997 B1	1997 03 03.47278	09 41 38.75	+12 11 39.7	411
C/1995 O1	1997 02 10.16249	20 05 17.45	+20 20 25.1	089	P/1997 B1	1997 03 04.52693	09 41 10.52	+12 02 27.3	411
C/1995 O1	1997 02 12.82949	20 13 38.02	+21 56 26.8	897	P/1997 B1	1997 03 04.58558	09 41 08.84	+12 01 56.6	411
C/1995 O1	1997 02 12.85736	20 13 43.49	+21 57 27.8	897	P/1997 B1	1997 03 04.58727	09 41 08.79	+12 01 55.7	411
C/1995 O1	1997 02 18.16047	20 32 20.20	+25 23 38.2	2 089	P/1997 B1	1997 03 05.55948	09 40 44.35	+11 53 24.1	411
C/1995 O1	1997 02 20.13403	20 40 04.27	+26 45 05.3	105	P/1997 B1	1997 03 05.56455	09 40 44.24	+11 53 21.8	411
C/1995 O1	1997 03 03.14079	21 34 15.22	+34 54 46.4	121	P/1997 B1	1997 03 05.56793	09 40 44.14	+11 53 20.4	411
C/1995 O1	1997 03 03.14333	21 34 16.80	+34 54 55.6	121	P/1997 B1	1997 03 07.48869	09 39 59.89	+11 36 26.2	411
C/1995 O1	1997 03 05.12211	21 46 30.53	+36 24 25.1	105	P/1997 B1	1997 03 07.49977	09 39 59.63	+11 36 21.2	411
C/1995 O1	1997 03 05.12593	21 46 31.87	+36 24 36.2	105	P/1997 B1	1997 03 07.50484	09 39 59.56	+11 36 18.6	411
C/1995 O1	1997 03 22.15193	00 10 29.69	+45 34 31.8	540	P/1997 B1	1997 03 08.47227	09 39 39.31	+11 27 47.0	411
C/1995 O1	1997 03 22.15394	00 10 30.98	+45 34 33.9	540	P/1997 B1	1997 03 08.48837	09 39 38.89	+11 27 37.8	411
C/1995 O1	1997 03 22.15694	00 10 32.82	+45 34 35.8	540	P/1997 B1	1997 03 08.49008	09 39 38.86	+11 27 36.8	411
C/1995 O1	1997 03 23.76785	00 26 46.99	+45 46 56.3	057	P/1997 B1	1997 03 09.48541	09 39 19.53	+11 18 49.7	411
C/1995 O1	1997 03 24.14557	00 30 37.08	+45 48 32.7	057	P/1997 B1	1997 03 09.49218	09 39 19.44	+11 18 45.6	411
C/1995 O1	1997 03 24.76575	00 36 52.57	+45 50 04.6	057	P/1997 B1	1997 03 09.49386	09 39 19.38	+11 18 45.1	411
C/1995 O1	1997 03 26.79029	00 57 15.49	+45 45 44.9	057	P/1997 B1	1997 03 10.95139	09 38 53.77	+11 05 49.3	16.6 T 979
C/1995 O1	1997 03 29.79893	01 26 47.91	+45 14 04.0	057	P/1997 B1	1997 03 10.95764	09 38 53.64	+11 05 46.1	16.6 T 979
C/1995 O1	1997 03 31.43282	01 42 14.11	+44 45 11.3	360	P/1997 B1	1997 03 12.50006	09 38 30.71	+10 52 06.0	411
C/1995 O1	1997 03 31.43525	01 42 15.42	+44 45 08.3	360	P/1997 B1	1997 03 12.50515	09 38 30.64	+10 52 03.4	411
C/1995 O1	1997 04 05.79590	02 28 40.20	+42 22 48.9	057	P/1997 B1	1997 03 12.52270	09 38 30.37	+10 51 54.2	411
C/1995 O1	1997 04 08.76895	02 51 14.72	+40 40 44.1	057	P/1997 B1	1997 03 17.54757	09 37 43.86	+10 07 07.5	16.9 T 402
C/1995 O1	1997 04 09.79914	02 58 31.83	+40 02 45.5	057	P/1997 B1	1997 03 17.55000	09 37 43.82	+10 07 06.2	402
C/1995 O1	1997 04 10.79041	03 05 17.48	+39 25 09.4	057	P/1997 B1	1997 03 17.55278	09 37 43.83	+10 07 04.6	402
P/1996 A1 (Jedicke)					P/1997 B1	1997 03 24.30610	09 37 52.87	+09 06 36.0	658
P/1996 A1	1997 04 01.89655	12 04 49.83	-08 30 25.9	118	P/1997 B1	1997 03 24.30981	09 37 52.91	+09 06 33.6	658
P/1996 A1	1997 04 01.90052	12 04 49.73	-08 30 24.7	18.3 T 118	P/1997 B1	1997 03 24.31589	09 37 53.00	+09 06 29.7	658
P/1996 A1	1997 04 11.24913	12 00 55.20	-07 57 28.4	18.1 T 691	P/1997 B1	1997 03 31.55052	09 39 34.19	+08 01 32.8	17.2 T 360
P/1996 A1	1997 04 11.27069	12 00 54.70	-07 57 24.3	18.0 T 691	P/1997 B1	1997 03 31.55538	09 39 34.30	+08 01 30.3	360
P/1996 A1	1997 04 11.29226	12 00 54.16	-07 57 19.6	17.9 T 691	P/1997 B1	1997 03 31.96508	09 39 42.75	+07 57 48.3	118
P/1996 A1	1997 04 12.61094	12 00 23.75	-07 52 46.1	17.6 T 360	P/1997 B1	1997 03 31.97493	09 39 42.96	+07 57 42.8	118
P/1996 A1	1997 04 12.61563	12 00 23.64	-07 52 45.1	360	P/1997 B1	1997 03 31.98245	09 39 43.11	+07 57 38.9	118
C/1997 A1 (NEAT)					P/1997 B1	1997 04 02.95041	09 40 28.18	+07 39 55.2	118
C/1997 A1	1997 02 02.01917	08 48 27.20	+24 10 25.7	472	P/1997 B1	1997 04 02.96154	09 40 28.48	+07 39 49.5	16.8 T 118
C/1997 A1	1997 03 31.45521	06 50 09.02	+35 06 37.9	18.3 T 360	P/1997 B1	1997 04 13.49163	09 46 19.84	+06 04 37.3	16.9 T 385
C/1997 A1	1997 03 31.46042	06 50 08.72	+35 06 39.3	360	P/1997 B1	1997 04 13.49549	09 46 20.14	+06 04 35.2	385
C/1997 A1	1997 03 31.46493	06 50 08.43	+35 06 40.8	360	P/1997 B1	1997 04 13.49903	09 46 20.19	+06 04 32.4	385
P/1997 B1 (Kobayashi)					C/1997 BA₆ (Spacewatch)				
P/1997 B1	1997 02 16.55911	09 50 10.84	+14 18 22.8	411	C/1997 BA ₆	1997 03 17.52569	09 02 38.71	+12 56 36.9	19.4 T 402
P/1997 B1	1997 02 16.56320	09 50 10.67	+14 18 20.7	411	C/1997 BA ₆	1997 03 17.53542	09 02 38.47	+12 56 36.9	402
P/1997 B1	1997 02 16.56729	09 50 10.51	+14 18 18.5	411	C/1997 BA ₆	1997 03 17.53958	09 02 38.38	+12 56 38.4	402
P/1997 B1	1997 02 17.50606	09 49 34.44	+14 10 35.4	411	C/1997 BA ₆	1997 03 27.34078	08 59 19.61	+12 52 46.7	19.3 T 658
P/1997 B1	1997 02 17.51116	09 49 34.21	+14 10 32.6	411	C/1997 BA ₆	1997 03 27.35694	08 59 19.27	+12 52 47.8	19.3 T 658
					C/1997 BA ₆	1997 03 27.36944	08 59 19.16	+12 52 48.9	19.3 T 658

C/1997 BA ₆	1997 03 31.48958	08 58 07.90	+12 50 31.2	19.6 T	360
C/1997 BA ₆	1997 03 31.53281	08 58 07.21	+12 50 30.0		360
C/1997 BA ₆	1997 03 31.53854	08 58 07.13	+12 50 29.5		360

P/1997 C1 (Gehrels)

P/1997 C1	1997 03 15.19012	08 53 13.16	+13 53 12.0	18.2 T	691
P/1997 C1	1997 03 15.19240	08 53 13.12	+13 53 12.3	18.0 T	691
P/1997 C1	1997 03 15.19469	08 53 13.08	+13 53 12.3	18.3 T	691
P/1997 C1	1997 03 30.82738	08 51 50.29	+14 10 27.0		587
P/1997 C1	1997 03 30.88143	08 51 50.38	+14 10 29.6		587
P/1997 C1	1997 03 31.49618	08 51 51.69	+14 10 51.7	18.8 T	360
P/1997 C1	1997 03 31.50122	08 51 51.68	+14 10 52.0		360
P/1997 C1	1997 03 31.50503	08 51 51.65	+14 10 51.6		360
P/1997 C1	1997 04 01.82222	08 51 55.50	+14 11 37.3	18.9 T	587

C/1997 D1 (Mueller)

C/1997 D1	1997 02 27.00578	12 21 32.18	+49 44 47.4		966
C/1997 D1	1997 02 27.00861	12 21 31.57	+49 44 51.4		966
C/1997 D1	1997 02 28.99074	12 15 01.33	+50 22 37.9		966
C/1997 D1	1997 02 28.99361	12 15 00.84	+50 22 41.4		966
C/1997 D1	1997 03 05.53928	11 58 57.27	+51 41 38.1	14.5 T	886
C/1997 D1	1997 03 05.54757	11 58 55.33	+51 41 44.9		886
C/1997 D1	1997 03 08.53211	11 47 35.44	+52 26 30.3		886
C/1997 D1	1997 03 08.54040	11 47 33.48	+52 26 38.1		886
C/1997 D1	1997 03 08.55294	11 47 30.55	+52 26 48.2		886
C/1997 D1	1997 03 18.16124	11 08 04.51	+54 04 05.7		861
C/1997 D1	1997 03 18.20122	11 07 54.64	+54 04 16.8		861
C/1997 D1	1997 03 24.56763	10 41 00.71	+54 25 08.3	15.5 T	886
C/1997 D1	1997 03 24.57987	10 40 57.56	+54 25 08.6		886
C/1997 D1	1997 03 24.58521	10 40 56.21	+54 25 08.3		886
C/1997 D1	1997 03 30.53609	10 16 45.06	+54 14 01.8	15.0 T	886
C/1997 D1	1997 03 30.54134	10 16 43.87	+54 14 00.5	14.6 T	355
C/1997 D1	1997 03 30.54314	10 16 43.40	+54 14 00.0		355
C/1997 D1	1997 03 30.54440	10 16 43.07	+54 13 59.3		886
C/1997 D1	1997 03 30.54536	10 16 42.87	+54 13 59.6		355
C/1997 D1	1997 03 31.58542	10 12 39.75	+54 09 16.2	14.5 T	360
C/1997 D1	1997 03 31.58889	10 12 38.95	+54 09 15.4		360
C/1997 D1	1997 03 31.88866	10 11 29.79	+54 07 43.5	15.0 T	605
C/1997 D1	1997 03 31.89929	10 11 27.41	+54 07 39.9	14.7 T	605
C/1997 D1	1997 04 01.10425	10 10 39.84	+54 06 34.9		118
C/1997 D1	1997 04 01.11153	10 10 38.11	+54 06 32.3	15.0 T	118
C/1997 D1	1997 04 06.85284	09 49 45.00	+53 25 37.1		108
C/1997 D1	1997 04 06.85608	09 49 44.17	+53 25 36.7		108
C/1997 D1	1997 04 06.85954	09 49 43.40	+53 25 34.3		108
C/1997 D1	1997 04 13.90353	09 27 31.07	+52 11 34.4		118
C/1997 D1	1997 04 13.90824	09 27 30.24	+52 11 31.1	14.1 T	118
C/1997 D1	1997 04 15.88120	09 22 00.16	+51 47 17.2	13.8 T	046
C/1997 D1	1997 04 15.88282	09 21 59.89	+51 47 16.1		046
C/1997 D1	1997 04 15.88456	09 21 59.61	+51 47 14.7		046

C/1997 G1 (Montani)

C/1997 G1	1997 04 09.13872	07 16 09.59	+19 59 45.7	19.1 T	691
C/1997 G1	1997 04 09.14671	07 16 09.91	+19 59 44.9	19.1 T	691
C/1997 G1	1997 04 09.16504	07 16 10.53	+19 59 44.0	19.0 T	691

C/1997 G1	1997 04 10.12171	07 16 44.12	+19 58 42.3	21.4 N	691
C/1997 G1	1997 04 10.13250	07 16 44.49	+19 58 41.4	19.9 T	691
C/1997 G1	1997 04 10.13897	07 16 44.76	+19 58 41.7	19.4 T	691
C/1997 G1	1997 04 11.13696	07 17 20.38	+19 57 35.5	19.0 T	691
C/1997 G1	1997 04 11.14571	07 17 20.71	+19 57 34.5	19.2 T	691
C/1997 G1	1997 04 11.17508	07 17 21.80	+19 57 31.0	19.1 T	658
C/1997 G1	1997 04 11.17792	07 17 21.86	+19 57 31.1	19.0 T	658
C/1997 G1	1997 04 12.22310	07 18 00.11	+19 56 20.7	18.8 T	658
C/1997 G1	1997 04 12.22553	07 18 00.26	+19 56 20.4	18.8 T	658
C/1997 G1	1997 04 12.23037	07 18 00.43	+19 56 19.7	18.8 T	658
C/1997 G1	1997 04 19.18506	07 22 34.82	+19 47 30.0	18.6 T	658
C/1997 G1	1997 04 19.18861	07 22 35.05	+19 47 29.8	19.0 T	658
C/1997 G1	1997 04 19.19134	07 22 35.08	+19 47 29.5	19.0 T	658

C/1997 G2 (Montani)

C/1997 G2	1997 04 12.46169	16 00 25.11	-07 57 17.7	18.4 T	691
C/1997 G2	1997 04 12.47629	16 00 24.51	-07 57 20.8	18.3 T	691
C/1997 G2	1997 04 12.49199	16 00 23.89	-07 57 25.2	18.4 T	691
C/1997 G2	1997 04 13.32855	15 59 50.82	-08 00 31.0	18.3 T	691
C/1997 G2	1997 04 13.33954	15 59 50.38	-08 00 34.4	18.4 T	691
C/1997 G2	1997 04 13.35111	15 59 49.88	-08 00 37.0	18.2 T	691
C/1997 G2	1997 04 13.35875	15 59 49.57	-08 00 39.5	18.5 T	691
C/1997 G2	1997 04 13.36431	15 59 49.36	-08 00 40.4	18.3 T	691
C/1997 G2	1997 04 13.37117	15 59 49.05	-08 00 41.8	18.2 T	691
C/1997 G2	1997 04 14.45040	15 59 05.10	-08 04 47.9	18.6 T	691
C/1997 G2	1997 04 14.46004	15 59 04.71	-08 04 50.0	20.6 N	691
C/1997 G2	1997 04 15.69447	15 58 13.18	-08 09 33.6		867
C/1997 G2	1997 04 15.70107	15 58 12.93	-08 09 34.3		867
C/1997 G2	1997 04 15.70801	15 58 12.59	-08 09 36.4		867
C/1997 G2	1997 04 15.75332	15 58 10.73	-08 09 47.5	18.1 T	327
C/1997 G2	1997 04 15.75766	15 58 10.52	-08 09 48.6		327
C/1997 G2	1997 04 15.76199	15 58 10.35	-08 09 48.6		327
C/1997 G2	1997 04 15.76632	15 58 10.17	-08 09 50.5		327
C/1997 G2	1997 04 16.64205	15 57 32.52	-08 13 14.0	18.8 T	402
C/1997 G2	1997 04 16.64552	15 57 32.39	-08 13 15.2		402
C/1997 G2	1997 04 16.64899	15 57 32.26	-08 13 14.9		402
C/1997 G2	1997 04 16.72430	15 57 28.95	-08 13 32.9	18.6 T	864
C/1997 G2	1997 04 16.73303	15 57 28.54	-08 13 35.0		864
C/1997 G2	1997 04 16.75091	15 57 27.74	-08 13 39.2		864
C/1997 G2	1997 04 16.82968	15 57 24.30	-08 13 58.1	18.2 T	327
C/1997 G2	1997 04 16.83404	15 57 24.12	-08 13 58.4		327
C/1997 G2	1997 04 16.83837	15 57 23.94	-08 13 59.6		327
C/1997 G2	1997 04 16.84271	15 57 23.74	-08 14 01.0		327
C/1997 G2	1997 04 19.42700	15 55 27.86	-08 24 17.2		658
C/1997 G2	1997 04 19.43471	15 55 27.57	-08 24 19.1		658
C/1997 G2	1997 04 19.43622	15 55 27.45	-08 24 19.9		658
C/1997 G2	1997 04 19.65453	15 55 17.44	-08 25 11.3	18.5 T	402
C/1997 G2	1997 04 19.65800	15 55 17.32	-08 25 12.1		402
C/1997 G2	1997 04 19.66147	15 55 17.08	-08 25 13.6		402

16P/Brooks 2

16P	1953 10 10.47674	04 20 45.38	+14 39 58.7		675
16P	1953 10 10.50000	04 20 45.56	+14 39 52.9	16.0 T	675

81P	1997 04 06.81545	08 23 35.05	+21 28 20.5		108														
81P	1997 04 06.81894	08 23 35.38	+21 28 20.7		108														
81P	1997 04 08.84993	08 27 10.90	+21 20 36.4		057														
81P	1997 04 08.85425	08 27 11.54	+21 20 34.5		057														
81P	1997 04 08.86694	08 27 12.83	+21 20 32.8	13.0 T	118														
81P	1997 04 08.87133	08 27 13.25	+21 20 30.9		118														
81P	1997 04 08.87488	08 27 13.66	+21 20 31.1		118														
81P	1997 04 10.47410	08 30 09.02	+21 13 58.3		422														
81P	1997 04 10.47494	08 30 09.13	+21 13 57.9		422														
81P	1997 04 10.47576	08 30 09.20	+21 13 57.8		422														
81P	1997 04 12.51358	08 33 59.20	+21 04 36.7		422														
81P	1997 04 12.51427	08 33 59.27	+21 04 36.8		422														
81P	1997 04 12.51763	08 33 59.66	+21 04 35.3		422														
81P	1997 04 12.97681	08 34 52.50	+21 02 10.1	13.1 T	118														
81P	1997 04 12.98081	08 34 52.98	+21 02 08.3		118														
81P	1997 04 13.42455	08 35 44.61	+21 00 09.2		3 422														
81P	1997 04 13.42538	08 35 44.72	+21 00 08.9		422														
81P	1997 04 13.42620	08 35 44.84	+21 00 08.7		422														
81P	1997 04 13.42825	08 35 45.07	+21 00 07.8		422														
81P	1997 04 13.88069	08 36 37.65	+20 57 40.3		118														
81P	1997 04 13.88547	08 36 38.21	+20 57 38.9	11.3 T	118														
81P	1997 04 18.85472	08 46 38.44	+20 29 36.8	11.5 T	046														
81P	1997 04 18.85571	08 46 38.55	+20 29 36.6		046														
81P	1997 04 18.85652	08 46 38.67	+20 29 36.0		046														
91P/Russell 3																			
91P	1997 03 31.61181	11 18 16.36	-16 45 20.1	18.0 T	360														
91P	1997 03 31.61701	11 18 16.16	-16 45 18.1		360														
91P	1997 04 01.95464	11 17 28.53	-16 35 32.4		118														
91P	1997 04 01.96890	11 17 28.01	-16 35 25.5		118														
91P	1997 04 02.88110	11 16 56.41	-16 28 38.9		118														
91P	1997 04 02.88471	11 16 56.30	-16 28 37.0	18.5 T	118														
91P	1997 04 05.94707	11 15 15.40	-16 05 20.5		620														
91P	1997 04 05.98294	11 15 14.16	-16 05 04.4		620														
91P	1997 04 05.98907	11 15 13.95	-16 05 00.9		620														
91P	1997 04 06.01269	11 15 13.20	-16 04 50.4		620														
91P	1997 04 06.03584	11 15 12.39	-16 04 39.1		620														
91P	1997 04 16.16686	11 10 51.83	-14 44 30.8	21.2 N	691														
91P	1997 04 16.17222	11 10 51.69	-14 44 27.7	18.4 T	691														
91P	1997 04 16.17811	11 10 51.58	-14 44 25.0	18.4 T	691														
94P/Russell 4																			
94P	1997 04 03.00252	12 06 25.81	+10 10 32.9		118														
94P	1997 04 03.01041	12 06 25.50	+10 10 33.3	16.2 T	118														
94P	1997 04 07.63073	12 03 39.62	+10 12 03.9	16.1 T	360														
94P	1997 04 07.63368	12 03 39.51	+10 12 04.0		360														
94P	1997 04 13.90501	12 00 30.13	+10 06 59.6	16.6 T	620														
94P	1997 04 13.92873	12 00 29.45	+10 06 57.8	16.6 T	620														
94P	1997 04 13.96530	12 00 28.46	+10 06 55.1	16.6 T	620														
94P	1997 04 15.35826	11 59 52.85	+10 04 39.0	18.5 N	691														
94P	1997 04 15.36655	11 59 52.65	+10 04 38.1	16.4 T	691														
94P	1997 04 15.37498	11 59 52.43	+10 04 37.3	16.5 T	691														
100P/Hartley 1																			
	1997 03 17.99018	13 49 34.14	+18 37 35.8		118														
	1997 03 17.99758	13 49 33.76	+18 37 33.0	16.0 T	118														
	1997 03 31.11979	13 35 23.54	+16 53 41.0	15.4 T	118														
	1997 04 02.02010	13 32 53.80	+16 32 37.9		118														
	1997 04 02.02881	13 32 53.12	+16 32 31.6	15.8 T	118														
	1997 04 07.71094	13 24 58.53	+15 19 24.1	15.1 T	360														
	1997 04 07.71493	13 24 58.17	+15 19 20.6		360														
	1997 04 09.02537	13 23 05.07	+15 00 13.6		118														
	1997 04 09.03067	13 23 04.56	+15 00 09.4		118														
	1997 04 09.03363	13 23 04.31	+15 00 06.4		118														
	1997 04 12.66302	13 17 47.63	+14 03 01.0	15.0 T	360														
	1997 04 12.66614	13 17 47.34	+14 02 57.9		360														
	1997 04 15.40837	13 13 47.92	+13 15 45.4	18.4 N	691														
	1997 04 15.41467	13 13 47.36	+13 15 38.5	15.7 T	691														
	1997 04 15.42257	13 13 46.66	+13 15 30.1	15.6 T	691														
118P/Shoemaker-Levy 4																			
	1996 12 30.52481	05 20 15.51	+08 53 19.1		897														
	1996 12 30.54565	05 20 14.79	+08 53 25.2	13.0 T	897														
	1997 03 23.81465	06 17 04.38	+18 33 52.6		118														
	1997 03 23.81769	06 17 04.70	+18 33 53.3	15.6 T	118														
	1997 03 26.84384	06 22 13.08	+18 46 23.6	15.7 T	118														
	1997 03 26.85027	06 22 13.84	+18 46 25.2		118														
	1997 03 26.85649	06 22 14.48	+18 46 26.6		118														
	1997 04 07.48229	06 42 59.70	+19 23 10.5	15.2 T	360														
	1997 04 07.48733	06 43 00.23	+19 23 11.4		360														
119P/Parker-Hartley																			
	1997 01 03.52906	07 02 32.98	+17 48 11.8		897														
	1997 01 03.54295	07 02 32.33	+17 48 10.9		897														
	1997 03 23.86709	06 49 08.51	+18 18 11.4		118														
	1997 03 23.87110	06 49 08.68	+18 18 11.8	17.7 T	118														
	1997 03 31.47517	06 54 06.64	+18 17 02.3	17.6 T	360														
	1997 03 31.48056	06 54 06.85	+18 17 02.3																

126P/IRAS

126P 1996 12 30.42429 22 41 59.33 +13 57 58.9 13.6 T 897
 126P 1996 12 30.43818 22 42 00.64 +13 58 18.4 897

Note 1: faint image. 2: poor distribution of reference stars. 3: involved with star.
 4: declination uncertain.

OBSERVATIONS OF MINOR PLANETS

The observations are listed separately for each observatory code. Alphabetic note codes shown with some of the observations are defined according to the scheme below. Numeric codes are defined in the headings for the individual observatories.

A earlier approximate position inferior
 a sense of motion ambiguous
 B black or dark plate
 b bad seeing
 C correction to earlier position
 c crowded star field
 D declination uncertain
 d diffuse image
 E at or near edge of plate
 F faint image
 f involved with emulsion or plate flaw
 G poor guiding
 g no guiding
 I involved with star
 i inkdot measured
 J J2000.0 reduction of previously-reported position
 M measurement difficult
 N near edge of plate, measurement uncertain
 O image out of focus
 o plate measured in one direction only
 P position uncertain
 p poor image
 R right ascension uncertain
 r poor distribution of reference stars
 S poor sky
 s streaked image
 T time uncertain
 t trailed image
 U uncertain image
 u unconfirmed image
 V very faint image
 W weak image
 w weak solution

Object Date UT α_{2000} δ_{2000} Mag. N Obs.

010 Caussols

E. W. Elst, Observatoire Royal de Belgique, Avenue Circulaire 3, B-1180 Brussels, Belgium [elst@atmos.oma.be]
 C. Pollas, Observatoire de la Côte d'Azur, Avenue Copernic, F-06130 Grasse, France [pollas@ocar01.obs-azur.fr]
 Observers C. Pollas, D. Albanese

Measurer E. W. Elst

0.9-m Schmidt telescope

1988 VT₂ 1992 12 18.99097 06 18 56.82 +23 37 38.7 18.4 010
 1988 VT₂ 1992 12 19.00139 06 18 56.10 +23 37 40.3 010
 1988 VT₂ 1992 12 19.01181 06 18 55.28 +23 37 38.9 010
 4343 T-3 1995 09 02.00833 22 51 57.75 -02 48 31.2 18.4 010
 4343 T-3 1995 09 02.01875 22 51 57.41 -02 48 35.6 010
 4343 T-3 1995 09 02.02656 22 51 57.06 -02 48 38.5 010

033 Tautenburg

F. Börngen, Thüringer Landessternwarte, Sternwarte 5, D-07778 Tautenburg, Germany [boerg@tls.tautenburg.de]

1.3-m Schmidt telescope

PPM

1978 QE 1992 02 27.96528 10 58 24.10 -13 54 30.1 17.6 033
 1978 QE 1992 02 28.01181 10 58 21.86 -13 54 24.7 033
 1978 QE 1992 02 28.98611 10 57 34.82 -13 52 29.0 033
 1991 AJ₃ 1992 02 09.02361 11 12 19.19 -12 39 09.2 V 033
 1991 AJ₃ 1992 02 09.07014 11 12 17.66 -12 39 21.2 18.2 V 033
 1991 AJ₃ 1994 09 09.95208 21 51 43.15 +04 06 14.4 18.1 033
 1991 AJ₃ 1994 10 04.85069 21 39 55.88 +02 47 23.8 18.5 033
 1991 BA₃ 1993 07 25.98611 21 06 22.04 -13 41 36.0 033
 1991 BA₃ 1993 07 26.03472 21 06 20.04 -13 41 57.0 17.5 033
 1991 RH₇ 1994 03 17.93125 11 29 06.38 -07 45 42.3 18.4 033
 1991 RH₇ 1994 04 06.86250 11 14 03.35 -05 37 39.2 033
 1991 RH₇ 1994 04 06.90625 11 14 01.65 -05 37 22.5 18.7 033
 1991 RH₇ 1994 04 08.87014 11 12 50.67 -05 24 38.6 033
 1992 DQ₁₀ 1993 07 25.98611 21 02 24.52 -12 25 49.5 033
 1992 DQ₁₀ 1993 07 26.03472 21 02 21.88 -12 25 49.3 17.0 033
 1992 DL₁₃ * 1992 02 27.96528 10 54 23.80 -12 26 37.5 17.8 033
 1992 DL₁₃ 1992 02 28.01181 10 54 21.72 -12 26 27.1 033
 1992 DL₁₃ 1992 02 28.98611 10 53 38.25 -12 22 49.5 033
 1992 DM₁₃ * 1992 02 27.96528 10 55 16.13 -13 30 23.0 17.4 033
 1992 DM₁₃ 1992 02 28.01181 10 55 13.77 -13 30 20.7 033
 1992 DM₁₃ 1992 02 28.98611 10 54 24.37 -13 29 32.1 033
 1992 DN₁₃ * 1992 02 27.96528 11 00 05.03 -12 54 38.6 18.4 V 033
 1992 DN₁₃ 1992 02 28.98611 10 59 15.63 -12 53 15.8 V 033
 1992 UQ₁₀ * 1992 10 31.92083 02 06 59.97 +05 44 04.1 033
 1992 UQ₁₀ 1992 10 31.96806 02 06 57.11 +05 43 54.6 19.0 033
 1994 GJ₁₁ * 1994 04 06.86250 11 09 50.13 -06 08 05.7 033
 1994 GJ₁₁ 1994 04 06.90625 11 09 48.49 -06 07 52.1 18.0 033
 1994 GJ₁₁ 1994 04 08.87014 11 08 42.15 -05 57 31.3 033
 1994 GK₁₁ * 1994 04 06.86250 11 13 56.71 -04 16 35.5 033
 1994 GK₁₁ 1994 04 06.90625 11 13 54.96 -04 16 14.1 17.6 033
 1994 GK₁₁ 1994 04 08.87014 11 12 44.44 -04 00 38.6 033
 1994 GL₁₁ * 1994 04 06.86250 11 16 47.17 -06 52 01.5 033
 1994 GL₁₁ 1994 04 06.90625 11 16 45.61 -06 51 39.3 18.8 033
 1994 GL₁₁ 1994 04 08.87014 11 15 42.96 -06 35 21.1 033
 1994 GM₁₁ * 1994 04 06.86250 11 17 21.90 -05 42 09.7 033
 1994 GM₁₁ 1994 04 06.90625 11 17 20.30 -05 41 46.4 19.2 033
 1994 GM₁₁ 1994 04 08.87014 11 16 13.61 -05 24 02.7 V 033
 1994 GN₁₁ * 1994 04 06.86250 11 19 43.47 -04 48 36.2 033

1994 GN ₁₁	1994 04 06.90625	11 19 41.91	-04 48 16.6	18.4	033	1988 RZ ₁₁	1997 04 08.89692	10 53 06.02	+09 14 59.4	18.8 V	046
1994 GN ₁₁	1994 04 08.87014	11 18 38.92	-04 33 10.8		033	1988 RZ ₁₁	1997 04 08.89917	10 53 05.95	+09 14 59.0		046
1994 GO ₁₁	* 1994 04 06.86250	11 19 53.44	-04 55 17.1		033	1988 RZ ₁₁	1997 04 08.90116	10 53 05.96	+09 14 59.7		046
1994 GO ₁₁	1994 04 06.90625	11 19 51.65	-04 55 10.6	18.6	033	1988 RZ ₁₁	1997 04 08.90420	10 53 05.81	+09 14 59.9		046
1994 GO ₁₁	1994 04 08.87014	11 18 37.08	-04 50 04.7		033	1988 RZ ₁₁	1997 04 09.90230	10 52 38.39	+09 16 44.2	18.7 V	046
1994 GP ₁₁	* 1994 04 06.86250	11 19 59.42	-05 51 25.5		033	1988 RZ ₁₁	1997 04 09.90772	10 52 38.22	+09 16 44.5		046
1994 GP ₁₁	1994 04 06.90625	11 19 57.77	-05 51 03.5	19.1	033	1988 RZ ₁₁	1997 04 09.91177	10 52 38.09	+09 16 45.8		046
1994 GP ₁₁	1994 04 08.87014	11 18 49.78	-05 34 30.3		V 033	1988 VP ₅	1997 03 12.92292	11 26 23.29	+12 06 54.8	18.1 V	046
1994 GQ ₁₁	* 1994 04 06.86250	11 21 12.75	-05 06 08.7		033	1988 VP ₅	1997 03 12.92494	11 26 23.15	+12 06 55.9		046
1994 GQ ₁₁	1994 04 06.90625	11 21 11.27	-05 05 49.8	18.5	033	1988 VP ₅	1997 03 12.92723	11 26 23.03	+12 06 56.3		046
1994 GQ ₁₁	1994 04 08.87014	11 20 09.40	-04 51 49.1		033	1988 VP ₅	1997 04 09.95863	11 02 52.49	+13 45 15.9	18.8 V	046
1995 OL ₁₀	* 1995 07 21.96181	20 56 10.51	-16 31 46.8		033	1988 VP ₅	1997 04 09.96382	11 02 52.29	+13 45 16.2		046
1995 OL ₁₀	1995 07 23.97986	20 54 23.42	-16 42 47.3	18.9	033	1988 VP ₅	1997 04 09.96648	11 02 52.20	+13 45 16.7		046
1995 OL ₁₀	1995 07 26.99375	20 51 38.39	-16 59 28.6		033	1990 BA	1997 04 03.09959	14 54 36.26	-22 07 40.6	18.7 V	046
1995 UP ₈	1995 10 25.94444	02 59 01.02	+21 17 38.5		033	1990 BA	1997 04 03.10154	14 54 36.11	-22 07 40.0		046
1995 UP ₈	1995 10 25.98472	02 58 58.34	+21 17 31.6	18.6	033	1990 BA	1997 04 03.10367	14 54 36.00	-22 07 39.8		046
(1825)	1993 07 25.98611	20 58 37.42	-14 52 58.4		033	1991 CS	1997 04 02.00863	11 55 27.74	+62 50 41.2	17.7 V	046
(1825)	1993 07 26.03472	20 58 34.80	-14 53 04.4	16.7	033	1991 CS	1997 04 02.01058	11 55 27.54	+62 50 43.2		046
(2349)	1993 07 25.98611	20 57 38.23	-14 40 02.4		033	1991 CS	1997 04 02.01508	11 55 27.13	+62 50 47.3		046
(2349)	1993 07 26.03472	20 57 35.98	-14 40 34.2	16.1	033	1992 WD ₈	1997 03 11.77229	06 36 50.06	+14 37 39.0	17.0 V	046
(2466)	1993 07 25.98611	20 59 45.57	-12 13 12.8		033	1992 WD ₈	1997 03 11.77692	06 36 50.30	+14 37 35.7		046
(2466)	1993 07 26.03472	20 59 43.24	-12 13 27.4	15.9	033	1992 WD ₈	1997 03 11.77899	06 36 50.39	+14 37 34.3		046
(4925)	1994 04 06.86250	11 16 50.11	-06 17 18.8		033	1994 XF	1997 04 03.12127	15 47 46.77	-16 15 14.1	19.0 V	046
(4925)	1994 04 06.90625	11 16 48.61	-06 17 04.5	18.2	033	1994 XF	1997 04 03.12347	15 47 46.76	-16 15 13.4		046
(4925)	1994 04 08.87014	11 15 45.46	-06 06 07.0		033	1994 XF	1997 04 03.12559	15 47 46.64	-16 15 12.9		046
(5297)	1993 07 25.98611	21 04 51.29	-12 48 29.0		033	1994 XF	1997 04 10.10367	15 44 40.36	-16 12 15.0	18.7 V	046
(5297)	1993 07 26.03472	21 04 48.55	-12 48 46.1	17.4	033	1994 XF	1997 04 10.10534	15 44 40.32	-16 12 14.7		046
(5686)	1993 07 25.98611	21 01 52.65	-14 16 55.9		033	1994 XF	1997 04 10.11037	15 44 40.15	-16 12 14.0		046
(5686)	1993 07 26.03472	21 01 49.77	-14 17 05.5	17.6	033	1995 SJ ₁	1997 04 08.93196	11 26 04.46	+02 33 45.9	19.1 V	046
046 Klet						1995 SJ ₁	1997 04 08.93513	11 26 04.30	+02 33 45.9		046
J. Tichá, Hvězdárna Klet, Zátckovo nábřeží 4, CZ-37001 České Budějovice, Czech Republic [klet@klet.cz]						1995 SJ ₁	1997 04 08.93803	11 26 04.18	+02 33 46.9		046
Observers J. Tichá, M. Tichý, Z. Moravec						1995 SJ ₁	1997 04 08.94031	11 26 04.07	+02 33 47.0		046
Measurer M. Tichý						1995 SZ ₁	1997 04 01.99593	11 49 49.55	-03 33 56.5	18.2 V	046
0.57-m reflector + CCD						1995 SZ ₁	1997 04 01.99802	11 49 49.44	-03 33 55.8		046
GSC						1995 SZ ₁	1997 04 03.01854	11 48 56.18	-03 27 48.6	18.3 V	046
1982 UE ₂	1997 03 12.96255	12 07 44.98	+04 03 46.1		046	1995 SZ ₁	1997 04 03.02102	11 48 56.06	-03 27 47.6		046
1982 UE ₂	1997 03 12.96459	12 07 44.89	+04 03 48.3	18.0 V	046	1995 SA ₂	1997 04 03.02312	11 48 56.02	-03 27 47.5		046
1982 UE ₂	1997 03 12.97069	12 07 44.52	+04 03 48.9		046	1995 SA ₂	1997 04 03.00694	11 37 27.75	+00 27 41.3	19.0 V	046
1982 UE ₂	1997 04 09.98350	11 40 41.25	+06 21 43.4	19.0 V	046	1995 SA ₂	1997 04 03.00922	11 37 27.64	+00 27 42.5		046
1982 UE ₂	1997 04 09.98685	11 40 41.11	+06 21 43.8		046	1995 SA ₂	1997 04 03.01127	11 37 27.62	+00 27 43.9		046
1982 UE ₂	1997 04 09.99021	11 40 40.93	+06 21 44.6		046	1995 SA ₂	1997 04 08.03484	11 34 21.79	+01 01 55.1	19.2 V	046
1983 SF	1997 03 12.93178	11 32 29.87	-11 16 51.1	18.0 V	046	1995 SA ₂	1997 04 08.03652	11 34 21.76	+01 01 55.6		046
1983 SF	1997 03 12.93366	11 32 29.79	-11 16 50.2		046	1995 SA ₂	1997 04 08.03819	11 34 21.69	+01 01 56.6		046
1983 SF	1997 03 12.93590	11 32 29.69	-11 16 49.9		046	1995 SA ₂	1997 04 08.04372	11 34 21.53	+01 01 58.4		046
1983 SF	1997 04 09.97119	11 12 45.59	-09 12 10.8	17.9 V	046	1995 TB	1997 04 08.95800	13 09 10.30	-09 51 36.0	19.3 V	046
1983 SF	1997 04 09.97321	11 12 45.49	-09 12 10.2		046	1995 TB	1997 04 08.96271	13 09 10.00	-09 51 34.8		046
1983 SF	1997 04 09.97543	11 12 45.43	-09 12 09.7		046	1995 TB	1997 04 08.96558	13 09 09.81	-09 51 34.1		046
1988 RZ ₁₁	1997 04 07.90740	10 53 34.05	+09 13 11.0	19.0 V	046	1995 TB	1997 04 10.01773	13 08 04.61	-09 47 05.6	19.2 V	046
1988 RZ ₁₁	1997 04 07.90934	10 53 33.99	+09 13 10.7		046	1995 TB	1997 04 10.01957	13 08 04.47	-09 47 05.3		046
1988 RZ ₁₁	1997 04 07.91154	10 53 33.93	+09 13 10.9		046	1995 TB	1997 04 10.02421	13 08 04.18	-09 47 03.6		046
1988 RZ ₁₁	1997 04 07.91416	10 53 33.88	+09 13 11.3		046	1995 UK ₁	1997 04 03.07648	14 08 56.39	-12 53 50.9	18.8 V	046
						1995 UK ₁	1997 04 03.08073	14 08 56.14	-12 53 49.7		046

1995 UK ₁	1997 04 03.08435	14 08 55.96	-12 53 48.7		046	1995 XJ	1997 04 08.09573	13 11 28.93	+07 51 52.4		046
1995 UK ₁	1997 04 10.04938	14 02 21.00	-12 22 23.8	18.7 V	046	1995 XJ	1997 04 08.09742	13 11 28.79	+07 51 52.7		046
1995 UK ₁	1997 04 10.05198	14 02 20.84	-12 22 23.0		046	1995 XJ	1997 04 08.98980	13 10 43.59	+07 54 56.9	18.4 V	046
1995 UK ₁	1997 04 10.05490	14 02 20.66	-12 22 22.0		046	1995 XJ	1997 04 08.99171	13 10 43.51	+07 54 57.4		046
1995 UO ₁	1997 04 03.04642	12 54 39.90	-01 45 48.9	18.2 V	046	1995 XJ	1997 04 08.99579	13 10 43.27	+07 54 58.6		046
1995 UO ₁	1997 04 03.04855	12 54 39.78	-01 45 48.0		046	1996 AE	1997 04 03.08910	14 40 03.46	-19 18 24.4	18.8 V	046
1995 UO ₁	1997 04 10.00874	12 48 06.22	-01 12 50.7	18.4 V	046	1996 AE	1997 04 03.09330	14 40 03.35	-19 18 23.5		046
1995 UO ₁	1997 04 10.01061	12 48 06.11	-01 12 50.2		046	1996 AE	1997 04 03.09594	14 40 03.23	-19 18 22.4		046
1995 UO ₁	1997 04 10.01312	12 48 05.99	-01 12 49.5		046	1996 AE	1997 04 09.00913	14 35 44.79	-18 53 43.9	19.0 V	046
1995 UQ ₁	1997 04 03.02877	12 36 09.80	-06 50 24.4	19.0 V	046	1996 AE	1997 04 09.01122	14 35 44.69	-18 53 43.1		046
1995 UQ ₁	1997 04 03.03091	12 36 09.71	-06 50 22.8		046	1996 AE	1997 04 09.01337	14 35 44.59	-18 53 42.5		046
1995 UQ ₁	1997 04 03.03312	12 36 09.62	-06 50 22.5		046	1996 AO ₁	1997 04 03.10831	14 59 45.96	-13 41 45.4	19.4 V	046
1995 UQ ₁	1997 04 09.99825	12 29 59.21	-06 00 17.5	18.7 V	046	1996 AO ₁	1997 04 03.11250	14 59 45.75	-13 41 45.2		046
1995 UQ ₁	1997 04 10.00152	12 29 59.04	-06 00 15.7		046	1996 AO ₁	1997 04 03.11493	14 59 45.72	-13 41 44.2		046
1995 UQ ₁	1997 04 10.00409	12 29 58.94	-06 00 14.1		046	1996 AO ₁	1997 04 09.03266	14 55 44.26	-13 25 40.6	19.5 V	046
1995 UJ ₂	1997 04 02.94953	11 21 01.98	+05 36 33.9	18.8 V	046	1996 AO ₁	1997 04 09.03468	14 55 44.15	-13 25 40.4		046
1995 UJ ₂	1997 04 02.95163	11 21 01.87	+05 36 35.1		046	1996 AO ₁	1997 04 09.03703	14 55 44.05	-13 25 39.8		046
1995 UJ ₂	1997 04 02.95406	11 21 01.71	+05 36 34.3		046	1996 XS ₁₈	1997 03 12.81715	06 10 12.70	+25 07 04.9	18.8 V	046
1995 UJ ₂	1997 04 09.94375	11 16 04.05	+05 59 09.6	19.0 V	046	1996 XS ₁₈	1997 03 12.82094	06 10 12.83	+25 07 05.7		046
1995 UJ ₂	1997 04 09.94568	11 16 03.99	+05 59 09.8		046	1996 XS ₁₈	1997 03 12.82344	06 10 12.95	+25 07 05.5		046
1995 UJ ₂	1997 04 09.95162	11 16 03.75	+05 59 09.8		046	1997 AY ₁₄	1997 03 12.84988	08 06 41.85	+13 33 17.8	19.0 V	046
1995 UN ₂	1997 04 02.94237	11 09 18.64	+07 19 31.3	18.8 V	046	1997 AY ₁₄	1997 03 12.85448	08 06 41.78	+13 33 17.2		046
1995 UN ₂	1997 04 02.94425	11 09 18.55	+07 19 31.1		046	1997 AY ₁₄	1997 03 12.85725	08 06 41.70	+13 33 17.0		046
1995 UN ₂	1997 04 02.94608	11 09 18.49	+07 19 32.4		046	1997 AN ₁₇	1997 03 11.77229	06 36 14.45	+14 40 45.2	17.6 V	046
1995 UN ₂	1997 04 09.92979	11 06 04.15	+07 41 06.0	19.3 V	046	1997 AN ₁₇	1997 03 11.77455	06 36 14.50	+14 40 44.8		046
1995 UN ₂	1997 04 09.93516	11 06 04.03	+07 41 07.1		046	1997 AN ₁₇	1997 03 11.77692	06 36 14.59	+14 40 44.1		046
1995 UN ₂	1997 04 09.93852	11 06 03.97	+07 41 08.1		046	1997 AN ₁₇	1997 03 11.77899	06 36 14.66	+14 40 43.4		046
1995 UO ₂	1997 04 03.05524	13 15 06.06	-06 44 58.2	18.7 V	046	1997 BG	1997 03 12.86685	08 57 35.99	+30 53 58.6	18.4 V	046
1995 UO ₂	1997 04 03.05944	13 15 05.79	-06 44 57.5		046	1997 BG	1997 03 12.86887	08 57 35.94	+30 53 59.3		046
1995 UO ₂	1997 04 03.06183	13 15 05.63	-06 44 57.0		046	1997 BG	1997 03 12.87096	08 57 35.79	+30 54 01.0		046
1995 UO ₂	1997 04 08.07112	13 09 43.20	-06 29 20.2	18.5 V	046	1997 BG	1997 04 09.88771	08 55 22.88	+33 35 24.8	18.6 V	046
1995 UO ₂	1997 04 08.07331	13 09 43.06	-06 29 19.4		046	1997 BG	1997 04 09.89053	08 55 22.95	+33 35 25.1		046
1995 UO ₂	1997 04 08.07552	13 09 42.94	-06 29 19.8		046	1997 BG	1997 04 09.89579	08 55 23.07	+33 35 25.9		046
1995 WE ₆	1997 03 12.95095	11 53 33.56	+02 24 45.2	18.7 V	046	1997 BG	1997 04 13.83575	08 57 14.37	+33 42 13.3	18.5 V	046
1995 WE ₆	1997 03 12.95525	11 53 33.35	+02 24 46.0		046	1997 BG	1997 04 13.83743	08 57 14.44	+33 42 13.6		046
1995 WE ₆	1997 03 12.95747	11 53 33.15	+02 24 45.9		046	1997 BG	1997 04 13.84082	08 57 14.53	+33 42 13.7		046
1995 WE ₆	1997 04 01.92747	11 35 11.20	+04 06 55.4	18.7 V	046	1997 BR	1997 04 02.02025	08 20 34.42	+66 43 41.6	17.3 V	046
1995 WE ₆	1997 04 01.92942	11 35 11.08	+04 06 55.5		046	1997 BR	1997 04 02.02218	08 20 34.35	+66 43 42.6		046
1995 WE ₆	1997 04 02.98742	11 34 19.49	+04 11 26.9	18.8 V	046	1997 BR	1997 04 02.02446	08 20 34.32	+66 43 43.7		046
1995 WE ₆	1997 04 02.98990	11 34 19.39	+04 11 26.6		046	1997 CV ₁	1997 03 10.79943	07 03 12.18	+23 33 59.2	18.8 V	046
1995 WE ₆	1997 04 02.99270	11 34 19.28	+04 11 26.4		046	1997 CV ₁	1997 03 10.80284	07 03 12.17	+23 33 59.0		046
1995 WF ₆	1997 04 02.93258	10 56 53.90	+08 52 32.2	18.6 V	046	1997 CV ₁	1997 03 10.84128	07 03 12.78	+23 33 59.0		046
1995 WF ₆	1997 04 02.93451	10 56 53.81	+08 52 32.0		046	1997 CV ₁	1997 03 10.84501	07 03 12.84	+23 33 59.0		046
1995 WF ₆	1997 04 02.93642	10 56 53.74	+08 52 32.8		046	1997 CV ₁	1997 03 11.80442	07 03 29.41	+23 34 00.3	18.7 V	046
1995 WF ₆	1997 04 07.90740	10 54 01.82	+09 09 09.4	19.1 V	046	1997 CV ₁	1997 03 11.81068	07 03 29.50	+23 34 01.1		046
1995 WF ₆	1997 04 07.90934	10 54 01.76	+09 09 10.9		046	1997 CV ₁	1997 03 11.81575	07 03 29.60	+23 34 00.6		046
1995 WF ₆	1997 04 07.91154	10 54 01.76	+09 09 11.3		046	1997 CT ₅	1997 04 02.85365	08 00 41.45	+20 41 08.8	17.8 V	046
1995 WF ₆	1997 04 07.91416	10 54 01.70	+09 09 11.9		046	1997 CT ₅	1997 04 02.85760	08 00 41.70	+20 41 07.4		046
1995 XJ	1997 04 03.06678	13 15 44.30	+07 32 34.6	18.0 R	046	1997 CT ₅	1997 04 02.86066	08 00 41.83	+20 41 06.3		046
1995 XJ	1997 04 03.06884	13 15 44.23	+07 32 35.2		046	1997 CT ₅	1997 04 07.84627	08 05 03.00	+20 13 49.5	17.8 V	046
1995 XJ	1997 04 03.07101	13 15 44.12	+07 32 35.8		046	1997 CT ₅	1997 04 07.84831	08 05 03.17	+20 13 49.3		046
1995 XJ	1997 04 08.09406	13 11 29.00	+07 51 52.3	18.2 V	046	1997 CT ₅	1997 04 07.85230	08 05 03.39	+20 13 48.0		046

1997 CU ₅	1997 02 09.88257	08 45 54.36	+17 33 24.9	046	1997 ES ₁	1997 04 01.89889	09 53 54.80	+20 44 54.8	046
1997 CU ₅	1997 02 09.88635	08 45 54.15	+17 33 26.4	046	1997 ES ₁	1997 04 02.89745	09 53 36.31	+20 44 16.7	19.0 V 046
1997 CU ₅	1997 02 09.88924	08 45 53.94	+17 33 27.8	046	1997 ES ₁	1997 04 02.90417	09 53 36.18	+20 44 16.5	046
1997 CU ₅	1997 02 10.82319	08 45 02.43	+17 40 06.0	18.1 V 046	1997 ES ₁	1997 04 02.90706	09 53 36.02	+20 44 16.9	046
1997 CU ₅	1997 02 10.82487	08 45 02.33	+17 40 07.8	046	1997 ET ₁	1997 03 09.80605	06 08 25.25	+25 07 51.7	18.5 V 046
1997 CU ₅	1997 02 10.82823	08 45 02.10	+17 40 08.4	046	1997 ET ₁	1997 03 09.81030	06 08 25.37	+25 07 51.5	046
1997 CU ₅	1997 02 17.82275	08 39 04.46	+18 27 12.1	18.0 V 046	1997 ET ₁	1997 03 09.81426	06 08 25.53	+25 07 51.4	046
1997 CU ₅	1997 02 17.82402	08 39 04.37	+18 27 11.5	046	1997 ET ₁	1997 03 10.82770	06 09 04.39	+25 07 53.3	18.6 V 046
1997 CU ₅	1997 02 17.83414	08 39 03.86	+18 27 15.9	046	1997 ET ₁	1997 03 10.83524	06 09 04.70	+25 07 53.5	046
1997 CU ₅	1997 02 27.93439	08 32 35.75	+19 23 59.9	18.6 V 046	1997 ET ₁	1997 03 12.81715	06 10 24.68	+25 07 52.9	18.6 V 046
1997 CU ₅	1997 02 27.93660	08 32 35.67	+19 24 00.8	046	1997 ET ₁	1997 03 12.82094	06 10 24.77	+25 07 53.3	046
1997 CU ₅	1997 02 27.93889	08 32 35.59	+19 24 00.9	046	1997 ET ₁	1997 03 12.82344	06 10 24.93	+25 07 53.4	046
1997 CU ₅	1997 03 05.86564	08 30 17.16	+19 49 56.4	18.6 V 046	1997 ET ₁	1997 04 02.82602	06 29 07.80	+25 01 34.7	18.5 V 046
1997 CU ₅	1997 03 05.86978	08 30 17.07	+19 49 57.9	046	1997 ET ₁	1997 04 02.83263	06 29 08.24	+25 01 34.9	046
1997 CU ₅	1997 03 05.87177	08 30 17.05	+19 49 58.1	046	1997 ET ₁	1997 04 02.83544	06 29 08.39	+25 01 34.1	046
1997 CU ₅	1997 03 08.98253	08 29 33.31	+20 01 14.4	18.8 V 046	1997 ET ₁	1997 04 07.82809	06 34 38.30	+24 57 52.6	18.7 V 046
1997 CU ₅	1997 03 08.98435	08 29 33.31	+20 01 14.7	046	1997 ET ₁	1997 04 07.83012	06 34 38.42	+24 57 52.5	046
1997 CU ₅	1997 03 08.98620	08 29 33.26	+20 01 15.2	046	1997 ET ₁	1997 04 07.83800	06 34 38.93	+24 57 52.4	046
1997 CU ₅	1997 04 02.86700	08 35 49.87	+20 34 51.5	19.0 V 046	1997 ET ₁	1997 04 09.82307	06 36 55.76	+24 56 05.5	18.8 V 046
1997 CU ₅	1997 04 02.86890	08 35 49.95	+20 34 52.6	046	1997 ET ₁	1997 04 09.83148	06 36 56.32	+24 56 04.8	046
1997 CU ₅	1997 04 09.87572	08 41 04.09	+20 27 21.5	18.5 V 046	1997 EJ ₆	1997 03 08.92432	09 15 22.19	+32 39 56.9	17.5 V 046
1997 CU ₅	1997 04 09.87760	08 41 04.20	+20 27 21.9	046	1997 EJ ₆	1997 03 08.93256	09 15 21.90	+32 39 56.7	046
1997 CU ₅	1997 04 09.88318	08 41 04.50	+20 27 20.7	046	1997 EJ ₆	1997 03 09.92021	09 14 47.95	+32 38 30.6	17.8 V 046
1997 CV ₅	1997 02 09.97911	09 28 43.68	+22 03 48.1	17.9 V 046	1997 EJ ₆	1997 03 09.92234	09 14 47.89	+32 38 30.6	046
1997 CV ₅	1997 02 09.98111	09 28 43.59	+22 03 48.4	046	1997 EJ ₆	1997 03 09.92659	09 14 47.74	+32 38 30.2	046
1997 CV ₅	1997 02 09.98328	09 28 43.46	+22 03 48.8	046	1997 EJ ₆	1997 03 12.87690	09 13 14.92	+32 33 08.5	17.7 V 046
1997 CV ₅	1997 02 10.91294	09 27 49.67	+22 06 44.3	18.0 V 046	1997 EJ ₆	1997 03 12.88041	09 13 14.83	+32 33 08.1	046
1997 CV ₅	1997 02 10.91498	09 27 49.55	+22 06 44.6	046	1997 EJ ₆	1997 03 12.88604	09 13 14.64	+32 33 07.3	046
1997 CV ₅	1997 02 10.91716	09 27 49.38	+22 06 45.3	046	1997 EJ ₆	1997 04 01.87972	09 08 45.25	+31 19 58.2	18.1 V 046
1997 CV ₅	1997 03 02.00734	09 12 08.94	+22 34 18.7	18.5 V 046	1997 EJ ₆	1997 04 01.88205	09 08 45.25	+31 19 57.8	046
1997 CV ₅	1997 03 02.01139	09 12 08.75	+22 34 18.6	046	1997 EJ ₆	1997 04 01.88646	09 08 45.28	+31 19 56.1	046
1997 CV ₅	1997 03 02.01377	09 12 08.68	+22 34 18.1	046	1997 EJ ₆	1997 04 02.88329	09 08 48.57	+31 14 52.8	18.3 V 046
1997 CV ₅	1997 03 05.98799	09 10 00.09	+22 31 41.1	18.5 V 046	1997 EJ ₆	1997 04 02.89022	09 08 48.54	+31 14 50.4	046
1997 CV ₅	1997 03 05.98965	09 10 00.04	+22 31 41.2	046	1997 EJ ₆	1997 04 02.89315	09 08 48.62	+31 14 49.6	046
1997 CV ₅	1997 03 05.99133	09 10 00.00	+22 31 40.8	046	1997 EK ₆	1997 03 09.00280	10 19 18.27	+32 52 52.0	18.4 V 046
1997 CV ₅	1997 03 08.99057	09 08 43.04	+22 27 50.6	18.7 V 046	1997 EK ₆	1997 03 09.00477	10 19 18.14	+32 52 52.2	046
1997 CV ₅	1997 03 08.99431	09 08 42.95	+22 27 50.2	046	1997 EK ₆	1997 03 09.00920	10 19 17.91	+32 52 52.5	046
1997 CV ₅	1997 03 08.99676	09 08 42.88	+22 27 50.5	046	1997 EK ₆	1997 03 09.94795	10 18 28.85	+32 55 13.7	18.4 V 046
1997 CU ₂₆	1997 04 01.86667	08 24 02.85	+15 43 03.4	17.8 V 046	1997 EK ₆	1997 03 09.95201	10 18 28.65	+32 55 14.2	046
1997 CU ₂₆	1997 04 01.87086	08 24 02.84	+15 43 03.5	046	1997 EK ₆	1997 03 09.95369	10 18 28.54	+32 55 14.6	046
1997 CU ₂₆	1997 04 01.87513	08 24 02.82	+15 43 03.4	046	1997 EK ₆	1997 03 12.91098	10 15 59.16	+33 01 08.2	18.5 V 046
1997 ES ₁	1997 03 07.87355	10 09 14.21	+20 06 30.2	18.4 V 046	1997 EK ₆	1997 03 12.91287	10 15 59.09	+33 01 08.8	046
1997 ES ₁	1997 03 07.87751	10 09 14.03	+20 06 31.0	046	1997 EK ₆	1997 03 12.91795	10 15 58.82	+33 01 09.1	046
1997 ES ₁	1997 03 07.87999	10 09 13.90	+20 06 31.1	046	1997 EK ₆	1997 04 01.90326	10 03 55.70	+32 46 24.8	18.7 V 046
1997 ES ₁	1997 03 09.93189	10 07 30.64	+20 13 39.8	18.3 V 046	1997 EK ₆	1997 04 01.90539	10 03 55.62	+32 46 24.9	046
1997 ES ₁	1997 03 09.93653	10 07 30.35	+20 13 40.2	046	1997 EK ₆	1997 04 01.91019	10 03 55.53	+32 46 23.6	046
1997 ES ₁	1997 03 09.94087	10 07 30.10	+20 13 41.0	046	1997 EK ₆	1997 04 02.91799	10 03 34.41	+32 43 25.9	18.7 V 046
1997 ES ₁	1997 03 12.89161	10 05 08.65	+20 22 43.5	18.7 V 046	1997 EK ₆	1997 04 02.91990	10 03 34.41	+32 43 25.2	046
1997 ES ₁	1997 03 12.89497	10 05 08.55	+20 22 43.6	046	1997 EK ₆	1997 04 02.92462	10 03 34.30	+32 43 24.6	046
1997 ES ₁	1997 03 12.89663	10 05 08.42	+20 22 44.3	046	1997 EL ₆	1997 03 08.96465	11 44 29.47	+03 30 49.1	17.8 V 046
1997 ES ₁	1997 04 01.89439	09 53 54.86	+20 44 55.3	046	1997 EL ₆	1997 03 08.96801	11 44 29.31	+03 30 49.8	046
1997 ES ₁	1997 04 01.89672	09 53 54.83	+20 44 54.9	046	1997 EL ₆	1997 03 08.97304	11 44 29.07	+03 30 51.1	046

1997 EL ₆	1997 03 10.01492	11 43 42.84	+03 34 54.1	17.8 V	046	1997 GO ₁	1997 04 07.99881	12 46 48.90	-08 03 29.0	046
1997 EL ₆	1997 03 10.01692	11 43 42.74	+03 34 54.5		046	1997 GO ₁	1997 04 08.00295	12 46 48.65	-08 03 27.5	046
1997 EL ₆	1997 03 10.02189	11 43 42.52	+03 34 55.8		046	1997 GF ₃	1997 04 07.94564	13 24 00.38	-01 18 52.0	18.6 V 046
1997 EL ₆	1997 03 12.94075	11 41 32.03	+03 46 18.9	17.6 V	046	1997 GF ₃	1997 04 07.94778	13 24 00.28	-01 18 45.2	046
1997 EL ₆	1997 03 12.94274	11 41 31.91	+03 46 19.6		046	1997 GF ₃	1997 04 07.95023	13 24 00.23	-01 18 38.3	046
1997 EL ₆	1997 03 12.94493	11 41 31.84	+03 46 20.1		046	1997 GF ₃	1997 04 13.90411	13 21 13.63	+03 34 57.6	17.7 V 046
1997 EL ₆	1997 04 01.91661	11 27 14.79	+04 57 05.6	18.3 V	046	1997 GF ₃	1997 04 13.90608	13 21 13.60	+03 35 03.3	046
1997 EL ₆	1997 04 01.91867	11 27 14.69	+04 57 05.8		046	1997 GF ₃	1997 04 13.90803	13 21 13.57	+03 35 09.1	046
1997 EL ₆	1997 04 01.92084	11 27 14.63	+04 57 06.1		046	1997 GG ₃	1997 04 07.93164	13 03 12.53	-06 32 54.0	19.1 V 046
1997 EL ₆	1997 04 02.97833	11 26 34.44	+05 00 09.7	18.0 V	046	1997 GG ₃	1997 04 07.93369	13 03 12.36	-06 32 53.8	046
1997 EL ₆	1997 04 02.98001	11 26 34.38	+05 00 09.9		046	1997 GG ₃	1997 04 07.93655	13 03 12.16	-06 32 52.9	046
1997 EL ₆	1997 04 02.98169	11 26 34.32	+05 00 10.0		046	1997 GG ₃	1997 04 07.94005	13 03 11.87	-06 32 51.5	046
1997 EF ₁₈	1997 03 12.80447	06 49 08.75	+21 03 18.7	18.7 V	046	1997 GG ₃	1997 04 08.94583	13 01 57.41	-06 27 00.9	19.2 V 046
1997 EF ₁₈	1997 03 12.80639	06 49 08.81	+21 03 18.1		046	1997 GG ₃	1997 04 08.94846	13 01 57.21	-06 27 00.4	046
1997 EF ₁₈	1997 03 12.81084	06 49 09.10	+21 03 18.9		046	1997 GG ₃	1997 04 08.95117	13 01 56.98	-06 26 59.5	046
1997 EF ₁₈	1997 03 12.81318	06 49 09.17	+21 03 18.2		046	1997 GH ₃	1997 04 07.97043	07 59 26.64	+19 42 54.0	16.4 V 046
1997 EM ₂₈	1997 04 07.91808	12 03 27.91	+00 16 20.3	19.5 V	046	1997 GH ₃	1997 04 07.97140	07 59 27.03	+19 42 53.3	046
1997 EM ₂₈	1997 04 07.92005	12 03 27.82	+00 16 21.5		046	1997 GH ₃	1997 04 07.97238	07 59 27.42	+19 42 53.3	046
1997 EM ₂₈	1997 04 07.92306	12 03 27.56	+00 16 23.2		046	1997 GH ₃	1997 04 07.97337	07 59 27.80	+19 42 52.6	046
1997 EM ₂₈	1997 04 07.92670	12 03 27.43	+00 16 22.1		046	1997 GH ₃	1997 04 07.97435	07 59 28.23	+19 42 52.3	046
1997 GW	* 1997 04 02.89745	09 53 14.21	+20 46 37.8	18.2 V	046	1997 GH ₃	1997 04 08.77894	08 04 53.64	+19 37 07.5	16.4 V 046
1997 GW	1997 04 02.90140	09 53 14.16	+20 46 37.1		046	1997 GH ₃	1997 04 08.78134	08 04 54.62	+19 37 06.1	046
1997 GW	1997 04 02.90417	09 53 14.08	+20 46 36.7		046	1997 GH ₃	1997 04 08.78288	08 04 55.20	+19 37 05.6	046
1997 GW	1997 04 02.91104	09 53 14.00	+20 46 36.0		046	1997 GH ₃	1997 04 08.78425	08 04 55.73	+19 37 04.9	046
1997 GW	1997 04 07.89270	09 52 16.88	+20 33 51.8	18.4 V	046	1997 GH ₃	1997 04 08.78547	08 04 56.24	+19 37 04.4	046
1997 GW	1997 04 07.89456	09 52 16.87	+20 33 51.7		046	1997 GH ₃	1997 04 09.80534	08 11 50.05	+19 28 37.3	16.7 V 046
1997 GW	1997 04 07.89993	09 52 16.81	+20 33 50.2		046	1997 GH ₃	1997 04 09.80633	08 11 50.44	+19 28 36.8	046
1997 GW	1997 04 07.90266	09 52 16.81	+20 33 50.3		046	1997 GH ₃	1997 04 09.80730	08 11 50.82	+19 28 36.3	046
1997 GX	* 1997 04 03.05524	13 14 37.88	-06 48 02.5	19.0 V	046	1997 GH ₃	1997 04 09.80829	08 11 51.23	+19 28 35.7	046
1997 GX	1997 04 03.05712	13 14 37.77	-06 48 00.9		046	1997 GH ₃	1997 04 09.80928	08 11 51.62	+19 28 35.1	046
1997 GX	1997 04 03.05944	13 14 37.66	-06 48 00.4		046	1997 GH ₃	1997 04 09.81027	08 11 52.01	+19 28 34.6	046
1997 GX	1997 04 03.06183	13 14 37.53	-06 47 59.9		046	1997 GH ₃	1997 04 11.80450	08 25 28.79	+19 08 41.4	16.2 V 046
1997 GX	1997 04 08.04809	13 10 49.40	-06 22 02.0		046	1997 GH ₃	1997 04 11.80600	08 25 29.47	+19 08 38.7	046
1997 GX	1997 04 08.06313	13 10 48.62	-06 21 57.3	19.0 V	046	1997 GH ₃	1997 04 11.80808	08 25 30.25	+19 08 37.9	046
1997 GX	1997 04 08.06553	13 10 48.58	-06 21 56.3		046	1997 GH ₃	1997 04 11.80950	08 25 30.83	+19 08 36.5	046
1997 GX	1997 04 08.06847	13 10 48.43	-06 21 55.1		046	1997 GH ₃	1997 04 13.78166	08 39 04.45	+18 44 33.4	16.4 V 046
1997 GY	* 1997 04 03.07648	14 08 40.22	-12 48 17.8	18.8 V	046	1997 GH ₃	1997 04 13.78243	08 39 04.74	+18 44 33.0	046
1997 GY	1997 04 03.07843	14 08 40.13	-12 48 17.0		046	1997 GH ₃	1997 04 13.78304	08 39 05.01	+18 44 32.3	046
1997 GY	1997 04 03.08073	14 08 40.02	-12 48 16.2		046	1997 GH ₃	1997 04 18.83341	09 13 42.82	+17 23 58.7	15.9 V 046
1997 GY	1997 04 03.08435	14 08 39.84	-12 48 15.2		046	1997 GH ₃	1997 04 18.83477	09 13 43.39	+17 23 57.1	046
1997 GY	1997 04 08.10301	14 04 44.30	-12 16 06.8	18.7 V	046	1997 GH ₃	1997 04 18.83639	09 13 44.07	+17 23 55.2	046
1997 GY	1997 04 08.10503	14 04 44.19	-12 16 06.1		046	1997 GH ₃	1997 04 18.83970	09 13 45.35	+17 23 51.6	046
1997 GY	1997 04 08.10810	14 04 44.08	-12 16 04.3		046	1997 GK ₃	1997 04 08.01693	14 46 05.62	+01 47 29.2	19.0 V t 046
1997 GY	1997 04 08.11036	14 04 43.94	-12 16 03.9		046	1997 GK ₃	1997 04 08.01808	14 46 05.26	+01 47 16.7	t 046
1997 GM ₁	1997 04 07.98189	11 26 34.20	+02 24 24.9	19.5 V	046	1997 GK ₃	1997 04 08.02429	14 46 02.80	+01 46 04.8	046
1997 GM ₁	1997 04 07.98458	11 26 34.06	+02 24 27.1		046	1997 GK ₃	1997 04 08.02506	14 46 02.42	+01 45 55.3	046
1997 GM ₁	1997 04 07.98936	11 26 33.98	+02 24 28.3		046	1997 GK ₃	1997 04 08.02584	14 46 02.12	+01 45 46.1	046
1997 GM ₁	1997 04 07.99245	11 26 33.78	+02 24 28.7		046	1997 GK ₃	1997 04 08.02661	14 46 01.80	+01 45 36.8	19.1 V 046
1997 GM ₁	1997 04 08.93513	11 25 57.92	+02 30 43.8		046	1997 GK ₃	1997 04 09.02058	14 39 44.16	-01 24 44.1	19.1 V 046
1997 GM ₁	1997 04 08.93803	11 25 57.73	+02 30 44.5		046	1997 GK ₃	1997 04 09.02139	14 39 43.81	-01 24 52.9	046
1997 GM ₁	1997 04 08.94031	11 25 57.66	+02 30 46.3		046	1997 GK ₃	1997 04 09.02330	14 39 43.01	-01 25 15.0	046
1997 GO ₁	1997 04 07.99694	12 46 49.01	-08 03 29.5	18.5 V	046	1997 GK ₃	1997 04 09.02411	14 39 42.65	-01 25 23.8	046

1997 GK ₃	1997 04 10.07325	14 33 06.89	-04 41 55.3	18.8 V	046	1997 GC ₂₆	1997 04 09.88318	08 41 04.93	+20 30 23.8	046
1997 GK ₃	1997 04 10.07421	14 33 06.51	-04 42 06.3		046	1997 GC ₂₆	1997 04 13.81375	08 43 06.72	+20 15 44.8	046
1997 GK ₃	1997 04 10.07681	14 33 05.49	-04 42 34.7		046	1997 GC ₂₆	1997 04 13.81543	08 43 06.79	+20 15 44.2	046
1997 GL ₃	1997 04 08.88630	14 20 11.91	-07 48 33.7	15.2 V	046	1997 GC ₂₆	1997 04 13.81712	08 43 06.83	+20 15 43.7	046
1997 GL ₃	1997 04 08.88728	14 20 10.99	-07 48 27.4		046	1997 GC ₂₆	1997 04 13.81880	08 43 06.85	+20 15 43.5	046
1997 GL ₃	1997 04 08.88925	14 20 09.15	-07 48 15.3		046	1997 GC ₂₆	1997 04 13.82449	08 43 07.12	+20 15 42.1	046
1997 GL ₃	1997 04 08.88999	14 20 08.46	-07 48 10.5		046	1997 GD ₂₆	* 1997 04 09.94375	11 15 52.29	+06 02 03.2	18.9 V 046
1997 GL ₃	1997 04 08.89100	14 20 07.52	-07 48 04.3		046	1997 GD ₂₆	1997 04 09.94568	11 15 52.19	+06 02 03.0	046
1997 GL ₃	1997 04 09.02618	14 18 03.09	-07 34 07.3	15.1 V	046	1997 GD ₂₆	1997 04 09.94875	11 15 52.12	+06 02 03.4	046
1997 GL ₃	1997 04 09.02709	14 18 02.27	-07 34 01.7		046	1997 GD ₂₆	1997 04 09.95162	11 15 51.98	+06 02 02.6	046
1997 GL ₃	1997 04 09.02792	14 18 01.53	-07 33 56.7		046	1997 GD ₂₆	1997 04 13.88546	11 13 36.89	+05 59 07.0	18.9 V 046
1997 GL ₃	1997 04 09.91514	14 06 45.63	-06 14 23.2	15.0 V	046	1997 GD ₂₆	1997 04 13.88786	11 13 36.80	+05 59 06.9	046
1997 GL ₃	1997 04 09.91740	14 06 44.06	-06 14 12.5		046	1997 GD ₂₆	1997 04 13.88975	11 13 36.77	+05 59 07.0	046
1997 GL ₃	1997 04 09.91843	14 06 43.34	-06 14 07.7		046	1997 GD ₂₆	1997 04 13.89190	11 13 36.73	+05 59 06.5	046
1997 GL ₃	1997 04 09.91940	14 06 42.67	-06 14 03.1		046	1997 GD ₂₆	1997 04 13.89378	11 13 36.66	+05 59 05.7	046
1997 GL ₃	1997 04 11.89153	13 49 30.21	-04 11 24.9	15.7 V	046	1997 GE ₂₆	* 1997 04 10.07681	14 32 44.22	-04 38 35.2	18.4 V 046
1997 GL ₃	1997 04 11.89329	13 49 29.47	-04 11 19.5		046	1997 GE ₂₆	1997 04 10.07817	14 32 44.17	-04 38 34.4	046
1997 GL ₃	1997 04 11.89503	13 49 28.77	-04 11 14.4		046	1997 GE ₂₆	1997 04 10.08086	14 32 44.07	-04 38 33.6	046
1997 GL ₃	1997 04 11.89591	13 49 28.34	-04 11 12.1		046	1997 GE ₂₆	1997 04 10.08339	14 32 43.96	-04 38 32.5	046
1997 GL ₃	1997 04 11.89890	13 49 27.07	-04 11 03.1		046	1997 GE ₂₆	1997 04 13.96792	14 30 09.66	-04 15 13.1	046
1997 GL ₃	1997 04 13.95616	13 38 05.56	-02 50 10.5	16.0 V	046	1997 GE ₂₆	1997 04 13.96983	14 30 09.57	-04 15 12.5	18.2 V 046
1997 GL ₃	1997 04 13.95810	13 38 05.02	-02 50 06.7		046	1997 GE ₂₆	1997 04 13.97163	14 30 09.45	-04 15 11.6	046
1997 GL ₃	1997 04 13.95918	13 38 04.70	-02 50 04.8		046	1997 GE ₂₆	1997 04 13.97400	14 30 09.37	-04 15 11.3	046
1997 GL ₃	1997 04 13.96007	13 38 04.44	-02 50 03.1		046	1997 GO ₂₇	1997 04 15.90858	14 29 21.50	+05 11 20.9	18.2 V 046
1997 GL ₃	1997 04 15.87174	13 30 52.45	-01 59 10.5	16.6 V	046	1997 GO ₂₇	1997 04 15.91054	14 29 21.36	+05 11 26.2	046
1997 GL ₃	1997 04 15.87325	13 30 52.16	-01 59 08.7		046	1997 GO ₂₇	1997 04 15.91284	14 29 21.33	+05 11 30.2	046
1997 GL ₃	1997 04 15.87539	13 30 51.71	-01 59 05.8		046	1997 GD ₃₂	1997 04 15.92398	14 43 00.27	+04 13 24.8	18.5 V 046
1997 GZ ₃	* 1997 04 08.89692	10 52 56.06	+09 18 00.1	19.0 V	046	1997 GD ₃₂	1997 04 15.92595	14 43 00.67	+04 13 26.7	046
1997 GZ ₃	1997 04 08.89917	10 52 55.93	+09 17 59.3		046	1997 GD ₃₂	1997 04 15.92819	14 43 00.92	+04 13 28.8	046
1997 GZ ₃	1997 04 08.90116	10 52 55.89	+09 17 58.3		046	(595)	1997 03 10.94653	11 04 00.36	+25 10 07.1	046
1997 GZ ₃	1997 04 08.90420	10 52 55.77	+09 17 59.4		046	(595)	1997 03 10.96389	11 03 59.37	+25 10 08.1	046
1997 GZ ₃	1997 04 09.90230	10 52 11.99	+09 14 50.7	18.8 V	046	(742)	1997 03 10.94653	10 59 03.00	+23 28 53.2	046
1997 GZ ₃	1997 04 09.90475	10 52 11.87	+09 14 50.7		046	(742)	1997 03 10.96389	10 59 02.21	+23 28 57.5	046
1997 GZ ₃	1997 04 09.90772	10 52 11.76	+09 14 49.4		046	(1451)	1997 04 10.00874	12 48 08.80	-01 14 52.8	15.9 V 046
1997 GZ ₃	1997 04 09.91177	10 52 11.58	+09 14 49.4		046	(1451)	1997 04 10.01061	12 48 08.70	-01 14 51.8	046
1997 GA ₄	* 1997 04 08.97381	13 10 02.28	-06 24 11.9	18.7 V	046	(1451)	1997 04 10.01312	12 48 08.57	-01 14 50.4	046
1997 GA ₄	1997 04 08.97578	13 10 02.18	-06 24 11.8		046	(2400)	1997 04 01.91661	11 27 30.19	+04 56 10.3	16.8 V 046
1997 GA ₄	1997 04 08.97868	13 10 01.98	-06 24 11.2		046	(2400)	1997 04 01.91867	11 27 30.12	+04 56 11.1	046
1997 GA ₄	1997 04 08.98164	13 10 01.84	-06 24 10.5		046	(2400)	1997 04 01.92084	11 27 30.04	+04 56 11.8	046
1997 GA ₄	1997 04 10.02992	13 09 02.93	-06 21 18.0	18.9 V	046	(2400)	1997 04 02.97833	11 26 51.92	+05 03 00.4	17.0 V 046
1997 GA ₄	1997 04 10.03160	13 09 02.82	-06 21 18.5		046	(2400)	1997 04 02.98001	11 26 51.85	+05 03 01.1	046
1997 GA ₄	1997 04 10.03328	13 09 02.73	-06 21 18.2		046	(2400)	1997 04 02.98169	11 26 51.79	+05 03 01.7	046
1997 GB ₄	* 1997 04 08.97381	13 10 29.90	-06 22 33.4	18.7 V	046	(3305)	1997 03 10.94653	10 58 46.31	+24 16 48.7	046
1997 GB ₄	1997 04 08.97578	13 10 29.75	-06 22 32.7		046	(3305)	1997 03 10.96389	10 58 45.19	+24 16 49.4	046
1997 GB ₄	1997 04 08.97868	13 10 29.65	-06 22 31.4		046	(3641)	1994 10 11.95417	01 46 50.67	+07 46 07.4	I 046
1997 GB ₄	1997 04 08.98164	13 10 29.46	-06 22 30.3		046	(3641)	1994 10 11.97153	01 46 49.67	+07 46 07.3	046
1997 GB ₄	1997 04 10.03751	13 09 36.08	-06 15 45.1	18.6 V	046	(5007)	1997 03 12.94075	11 41 22.80	+03 39 04.9	17.1 V 046
1997 GB ₄	1997 04 10.04084	13 09 35.90	-06 15 43.6		046	(5007)	1997 03 12.94274	11 41 22.71	+03 39 05.9	046
1997 GB ₄	1997 04 10.04340	13 09 35.78	-06 15 43.3		046	(5007)	1997 03 12.94493	11 41 22.61	+03 39 07.2	046
1997 GC ₂₆	* 1997 04 09.87572	08 41 04.73	+20 30 25.2	18.7 V	046	(5192)	1997 03 11.95000	11 27 06.52	+25 34 06.8	046
1997 GC ₂₆	1997 04 09.87760	08 41 04.75	+20 30 24.8		046	(5192)	1997 03 11.96875	11 27 05.62	+25 34 10.4	046
1997 GC ₂₆	1997 04 09.87956	08 41 04.84	+20 30 24.3		046					

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0.14-m $f/10$ Askania astrograph + CCD

(4954)	1997 04 08.94808	11 39 49.20	-01 52 09.4	057
(4954)	1997 04 08.95043	11 39 49.26	-01 52 11.7	057
(4954)	1997 04 08.95356	11 39 48.80	-01 52 11.8	057
(4954)	1997 04 08.95782	11 39 48.67	-01 52 11.8	057
(4954)	1997 04 08.95997	11 39 48.41	-01 52 11.8	057

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0.50-m $f/1.4$ Schmidt

1992 EN ₉	1995 09 27.97895	01 22 26.59	+05 37 37.4	071
1992 EN ₉	1995 09 28.07406	01 22 22.59	+05 37 10.9	071

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0.4-m $f/4$ double astrograph

PPM

(7529)	1992 08 29.96875	00 06 18.92	+04 21 16.3	16.0	095
(7529)	1992 08 29.97917	00 06 18.53	+04 21 09.6	16.0	095

098 Asiago Observatory, Cima Ekar

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Observer U. Munari

Measurers M. Tombelli, G. Forti

0.67-m $f/3.2$ Schmidt

1969 TT ₁	1997 01 31.92465	10 52 03.62	+10 29 14.5	098
1969 TT ₁	1997 01 31.94547	10 52 02.77	+10 29 21.1	098
1969 TT ₁	1997 02 07.10104	10 47 12.59	+10 59 11.5	098
1969 TT ₁	1997 02 07.12188	10 47 11.77	+10 59 17.3	098
1969 TT ₁	1997 02 08.01552	10 46 26.08	+11 03 50.1	098
1985 PX	1997 03 03.89410	09 21 10.28	+15 28 03.2	098
1985 PX	1997 03 03.91493	09 21 09.18	+15 28 11.8	098
1993 FN ₂₈	1997 03 03.97882	10 20 25.58	+10 32 37.3	098
1993 FN ₂₈	1997 03 03.99965	10 20 24.54	+10 32 39.4	18.2 V 098
1993 FN ₂₈	1997 03 07.98889	10 16 54.51	+10 39 40.1	098
1993 FN ₂₈	1997 03 08.00972	10 16 53.46	+10 39 42.3	098
1993 FN ₂₈	1997 03 13.04144	10 12 52.57	+10 46 19.9	098
1995 UP ₈	1997 03 03.97882	10 21 47.49	+12 05 34.4	098
1995 UP ₈	1997 03 03.99965	10 21 46.55	+12 05 40.0	098
1995 UP ₈	1997 03 07.98889	10 17 40.54	+12 22 14.0	098

1995 UP ₈	1997 03 08.00972	10 17 39.20	+12 22 19.6	098
1995 UP ₈	1997 03 10.99543	10 14 42.84	+12 33 37.2	098
1995 UP ₈	1997 03 11.01662	10 14 41.76	+12 33 43.7	17.5 V 098
1995 UP ₈	1997 03 13.03275	10 12 47.72	+12 40 39.4	G 098
1995 UP ₈	1997 03 13.05359	10 12 46.80	+12 40 47.9	G 098
1996 XN ₂₆	1997 01 15.97377	04 12 09.03	+22 09 38.1	098
1996 XN ₂₆	1997 02 06.83646	04 14 20.22	+22 22 53.7	098
1997 BR ₂	1997 02 07.05729	09 43 41.44	+12 20 58.1	098
1997 BR ₂	1997 02 07.07813	09 43 40.45	+12 21 03.3	098
1997 BR ₂	1997 02 07.96756	09 42 54.84	+12 26 13.4	098
1997 BR ₂	1997 02 07.98839	09 42 53.81	+12 26 20.1	17.8 V 098
1997 BA ₃	1997 01 31.00064	09 53 20.29	+13 46 05.4	098
1997 BA ₃	1997 02 07.05729	09 46 21.11	+14 15 08.8	098
1997 BA ₃	1997 02 07.07813	09 46 19.76	+14 15 14.2	098
1997 BA ₃	1997 02 07.96756	09 45 25.38	+14 18 58.0	098
1997 BA ₃	1997 02 07.98839	09 45 24.08	+14 19 03.6	17.5 V 098
1997 BD ₉	1997 03 04.02326	10 27 29.76	+12 33 43.0	098
1997 BD ₉	1997 03 04.04106	10 27 28.87	+12 33 49.2	098
1997 BG ₉	1997 03 07.90532	09 19 24.05	+15 34 02.6	098
1997 BG ₉	1997 03 07.92627	09 19 23.36	+15 34 06.2	17.8 V 098
1997 BG ₉	1997 03 10.90459	09 17 44.41	+15 40 38.2	098
1997 BG ₉	1997 03 10.92544	09 17 43.77	+15 40 40.4	098
1997 BG ₉	1997 03 12.92910	09 16 44.12	+15 44 32.7	098
1997 BG ₉	1997 03 12.95294	09 16 43.33	+15 44 34.4	098
1997 BO ₉	* 1997 01 30.97980	09 47 07.62	+12 13 26.9	098
1997 BO ₉	1997 01 31.00064	09 47 06.54	+12 13 34.0	098
1997 BO ₉	1997 02 07.05729	09 40 33.49	+13 06 14.6	098
1997 BO ₉	1997 02 07.07813	09 40 32.18	+13 06 24.2	098
1997 BO ₉	1997 02 07.96756	09 39 40.65	+13 13 16.5	098
1997 BO ₉	1997 02 07.98839	09 39 39.40	+13 13 24.9	17.5 V 098
1997 BO ₉	1997 03 03.89410	09 18 09.14	+16 04 34.1	098
1997 BO ₉	1997 03 03.91493	09 18 08.29	+16 04 40.4	098
1997 BO ₉	1997 03 07.90532	09 15 36.02	+16 26 40.9	098
1997 BO ₉	1997 03 07.92627	09 15 35.17	+16 26 48.5	098
1997 BO ₉	1997 03 10.90459	09 14 00.48	+16 41 22.9	098
1997 BO ₉	1997 03 10.92544	09 13 59.78	+16 41 30.0	17.5 V 098
1997 BO ₉	1997 03 12.92910	09 13 05.63	+16 50 24.4	098
1997 BO ₉	1997 03 12.95294	09 13 05.01	+16 50 29.2	098
1997 BP ₉	* 1997 01 30.97980	09 52 31.35	+13 08 26.8	098
1997 BP ₉	1997 01 31.00064	09 52 30.58	+13 08 35.8	098
1997 BP ₉	1997 02 07.05729	09 47 08.49	+14 16 00.5	098
1997 BP ₉	1997 02 07.07813	09 47 07.36	+14 16 13.1	098
1997 BP ₉	1997 02 07.96756	09 46 24.12	+14 25 02.0	098
1997 BP ₉	1997 02 07.98839	09 46 23.04	+14 25 15.3	17.5 V 098
1997 BP ₉	1997 03 07.94722	09 23 33.22	+18 56 10.2	098
1997 BP ₉	1997 03 07.96806	09 23 32.40	+18 56 19.6	18.0 V 098
1997 BP ₉	1997 03 10.94980	09 21 42.31	+19 20 08.9	098
1997 BP ₉	1997 03 10.97157	09 21 41.38	+19 20 21.3	18.0 V 098
1997 CO ₂₉	1997 01 31.92465	10 51 14.04	+09 53 22.2	098
1997 CO ₂₉	1997 01 31.94547	10 51 13.50	+09 53 26.1	098
1997 CP ₂₉	* 1997 02 07.05729	09 43 17.40	+12 17 50.9	098
1997 CP ₂₉	1997 02 07.07813	09 43 16.43	+12 17 59.4	098

1997 CP ₂₉	1997 02 07.96756	09 42 27.31	+12 25 15.3		098	1994 QC	1997 04 09.12977	16 29 00.36	+19 08 45.8	18.3 V	104
1997 CP ₂₉	1997 02 07.98839	09 42 26.11	+12 25 26.5	18.0 V	098	1994 QC	1997 04 09.13108	16 29 00.45	+19 08 49.2		104
1997 CP ₂₉	1997 03 03.89410	09 21 51.22	+15 30 40.0		098	1994 QC	1997 04 09.13620	16 29 00.95	+19 09 02.3		104
1997 CP ₂₉	1997 03 03.91493	09 21 50.25	+15 30 49.0		098	1995 SJ ₁	1997 04 08.94815	11 26 03.76	+02 33 48.8	19.0 V	104
1997 CP ₂₉	1997 03 07.90532	09 19 22.48	+15 55 34.1		098	1995 SJ ₁	1997 04 08.95278	11 26 03.57	+02 33 49.6		104
1997 CP ₂₉	1997 03 07.92627	09 19 21.74	+15 55 40.8		098	1995 SJ ₁	1997 04 08.95718	11 26 03.40	+02 33 50.3		104
1997 CP ₂₉	1997 03 10.90459	09 17 49.17	+16 12 23.2		098	1995 SJ ₁	1997 04 09.84106	11 25 28.87	+02 36 30.2		104
1997 CP ₂₉	1997 03 10.92544	09 17 48.54	+16 12 29.9	18.0 V	098	1995 SJ ₁	1997 04 09.84549	11 25 28.68	+02 36 31.1		104
1997 CP ₂₉	1997 03 12.92910	09 16 55.28	+16 22 50.9		098	1995 SJ ₁	1997 04 09.85035	11 25 28.46	+02 36 32.0		104
1997 CP ₂₉	1997 03 12.95294	09 16 54.50	+16 22 58.7		098	1995 SJ ₁	1997 04 10.80889	11 24 52.15	+02 39 17.2		104
1997 DW	1997 01 31.92465	10 49 00.72	+09 23 49.1		098	1995 SJ ₁	1997 04 10.81354	11 24 51.96	+02 39 18.0		104
1997 DW	1997 01 31.94547	10 48 59.93	+09 23 48.7		098	1995 SJ ₁	1997 04 10.81806	11 24 51.78	+02 39 18.8		104
1997 DW	1997 02 07.10104	10 44 34.49	+09 33 56.1		098	1996 CA ₉	1997 04 09.08542	17 16 18.16	-06 38 18.0	18.3 V	104
1997 DW	1997 02 07.12188	10 44 33.66	+09 34 00.3	17.5 V	098	1996 CA ₉	1997 04 09.14074	17 16 18.28	-06 37 58.2		104
1997 DW	1997 02 08.01552	10 43 51.45	+09 35 41.9		098	1996 CA ₉	1997 04 09.14248	17 16 18.29	-06 37 57.6		104
1997 DW	1997 02 08.03641	10 43 50.43	+09 35 44.8		098	1996 VN ₆	1997 04 03.85189	09 58 33.14	+14 34 12.5		104
1997 DW	1997 03 03.97882	10 21 58.24	+10 29 28.9		098	1996 VN ₆	1997 04 03.85694	09 58 33.01	+14 34 11.8		104
1997 DW	1997 03 03.99965	10 21 57.04	+10 29 33.4		098	1996 VN ₆	1997 04 03.86319	09 58 32.85	+14 34 10.9		104
1997 DW	1997 03 07.98889	10 18 17.53	+10 37 24.7		098	1996 VN ₆	1997 04 08.84655	09 56 43.28	+14 19 45.4	18.5 V	104
1997 DW	1997 03 08.00972	10 18 16.42	+10 37 26.8		098	1996 VN ₆	1997 04 08.86701	09 56 42.89	+14 19 41.0		104
1997 DW	1997 03 10.99543	10 15 38.85	+10 42 40.4		098	1997 BG ₉	1997 04 08.79405	09 12 59.76	+15 53 54.5	18.5 V	104
1997 DW	1997 03 11.01662	10 15 37.81	+10 42 43.7		098	1997 BG ₉	1997 04 08.85816	09 13 00.34	+15 53 49.7		104
1997 DX	1997 03 03.97882	10 17 58.36	+12 36 36.5		098	1997 BO ₉	1997 04 08.79786	09 14 04.44	+17 38 38.1	18.4 V	104
1997 DX	1997 03 03.99965	10 17 57.34	+12 36 47.6		098	1997 BO ₉	1997 04 08.85410	09 14 05.92	+17 38 36.2		104
1997 DX	1997 03 07.98889	10 14 38.81	+13 09 05.8		098	1997 CP ₁₃	1997 04 08.83519	09 02 53.28	+16 20 34.8	18.6 V	104
1997 DX	1997 03 08.00972	10 14 37.72	+13 09 15.0		098	1997 CP ₁₃	1997 04 08.83802	09 02 53.35	+16 20 34.9		104
1997 DX	1997 03 10.99543	10 12 20.72	+13 31 40.9		098	1997 CP ₁₃	1997 04 08.86209	09 02 53.96	+16 20 30.6		104
1997 DX	1997 03 11.01662	10 12 19.80	+13 31 49.9	17.5 V	098	1997 CP ₁₃	1997 04 08.86406	09 02 54.06	+16 20 31.9		104
1997 DX	1997 03 13.03275	10 10 54.05	+13 45 55.9		098	1997 CA ₁₇	1997 03 16.79757	09 06 29.67	+08 29 07.5		104
1997 DX	1997 03 13.05359	10 10 53.36	+13 46 05.6		098	1997 CA ₁₇	1997 03 16.80590	09 06 29.48	+08 29 08.5		104
1997 EN ₃₄	1997 03 07.94722	09 16 27.97	+19 56 17.6		098	1997 CA ₁₇	1997 03 16.81359	09 06 29.32	+08 29 09.3		104
1997 EN ₃₄	1997 03 07.96806	09 16 27.13	+19 56 21.9		098	1997 CA ₁₇	1997 04 03.82870	09 04 26.01	+08 51 09.3		104
1997 EN ₃₄	1997 03 10.94980	09 14 54.15	+20 06 00.6		098	1997 CA ₁₇	1997 04 03.89387	09 04 26.43	+08 51 11.1		104
1997 EN ₃₄	1997 03 10.97157	09 14 53.38	+20 06 06.1	17.5 V	098	1997 EV	1997 04 06.81354	11 13 43.95	+21 41 03.8		104
1997 EN ₃₄	1997 03 12.99015	09 13 56.16	+20 12 00.3		098	1997 EV	1997 04 06.81736	11 13 43.67	+21 40 59.6		104
1997 EN ₃₄	1997 03 13.01104	09 13 55.71	+20 12 04.5		098	1997 EV	1997 04 06.82153	11 13 43.47	+21 40 57.4		104
1997 EG ₃₉	1997 03 03.89410	09 23 07.55	+14 40 05.3		098	1997 EO ₃₀	1997 03 15.77414	10 23 10.62	+19 40 44.2		104
1997 EG ₃₉	1997 03 03.91493	09 23 06.66	+14 40 14.5		098	1997 EO ₃₀	1997 03 15.77847	10 23 10.41	+19 40 45.4		104
(1725)	1997 01 31.92465	10 51 49.40	+09 49 35.2		098	1997 EO ₃₀	1997 03 15.78299	10 23 10.22	+19 40 46.6		104
(1725)	1997 01 31.94547	10 51 48.84	+09 49 39.5		098	1997 EO ₃₀	1997 03 15.78663	10 23 10.03	+19 40 47.5		104
(1725)	1997 02 07.10104	10 48 02.07	+10 19 38.2		098	1997 EO ₃₀	1997 03 16.82483	10 22 24.31	+19 45 03.8		104
(1725)	1997 02 07.12188	10 48 01.26	+10 19 44.3		098	1997 EO ₃₀	1997 03 16.82951	10 22 24.10	+19 45 05.0		104
(1725)	1997 02 08.01552	10 47 25.58	+10 24 19.5		098	1997 EO ₃₀	1997 03 16.83368	10 22 23.91	+19 45 06.1		104
(1725)	1997 02 08.03641	10 47 24.71	+10 24 26.1	15.5 V	098	1997 EO ₃₀	1997 04 03.87969	10 13 37.06	+20 19 04.3	18.2 V	104
						1997 EO ₃₀	1997 04 03.90995	10 13 36.64	+20 19 04.0		104
						1997 EO ₃₀	1997 04 06.80012	10 13 04.28	+20 17 44.8		104
						1997 EO ₃₀	1997 04 06.83339	10 13 04.00	+20 17 43.1		104
						1997 EO ₃₀	1997 04 13.80608	10 12 47.00	+20 07 35.6		104
						1997 EO ₃₀	1997 04 13.81597	10 12 47.03	+20 07 34.1		104
						1997 EO ₃₀	1997 04 13.82049	10 12 47.05	+20 07 33.5		104
						1997 EO ₃₀	1997 04 13.82840	10 12 47.08	+20 07 32.4		104
						1997 ET ₃₀	1997 04 08.91944	10 09 16.01	+17 51 51.9	20.4 V	104

104 San Marcello Pistoiese

L. Tesi, Osservatorio di Pian dei Termini, Viale Panoramico 45, I-51028 San
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Observers L. Tesi, G. Cattani, A. Boattini

Measurers L. Tesi, G. Forti, A. Boattini

0.40-m $f/5$ reflector + CCD

GSC

1997 ET ₃₀	1997 04 08.92639	10 09 15.77	+17 51 51.5		104	1997 GM ₁	1997 04 10.80889	11 24 49.98	+02 42 39.5		104
1997 ET ₃₀	1997 04 08.93266	10 09 15.42	+17 51 51.2		104	1997 GM ₁	1997 04 10.81354	11 24 49.82	+02 42 41.9		104
1997 EP ₄₀	* 1997 03 13.85492	12 12 14.31	+07 08 18.7	17.8 V	104	1997 GM ₁	1997 04 10.81806	11 24 49.67	+02 42 44.1		104
1997 EP ₄₀	1997 03 13.86464	12 12 13.68	+07 08 22.8		104	1997 GF ₃	1997 04 09.04206	13 23 29.39	-00 23 42.1	18.6 V	104
1997 EP ₄₀	1997 03 13.88088	12 12 12.85	+07 08 27.4		104	1997 GF ₃	1997 04 09.04699	13 23 29.22	-00 23 27.0		104
1997 EP ₄₀	1997 03 16.84769	12 09 19.12	+07 22 16.6		104	1997 GF ₃	1997 04 09.04838	13 23 29.18	-00 23 22.6		104
1997 EP ₄₀	1997 03 16.85243	12 09 18.85	+07 22 18.3		104	1997 GF ₃	1997 04 09.04990	13 23 29.14	-00 23 18.0		104
1997 EP ₄₀	1997 03 16.85799	12 09 18.47	+07 22 20.4		104	1997 GG ₃	1997 04 09.02483	13 01 51.34	-06 26 33.3	19.2 V	104
1997 EP ₄₀	1997 03 16.87252	12 09 17.69	+07 22 24.9		104	1997 GG ₃	1997 04 09.02917	13 01 51.04	-06 26 31.6		104
1997 EP ₄₀	1997 03 17.82865	12 08 20.92	+07 26 41.9		104	1997 GG ₃	1997 04 09.03339	13 01 50.73	-06 26 30.4		104
1997 EP ₄₀	1997 03 17.83333	12 08 20.62	+07 26 43.2		104	1997 GH ₃	1997 04 08.78426	08 04 55.90	+19 37 07.7	16.9 V	104
1997 EP ₄₀	1997 03 17.83819	12 08 20.36	+07 26 44.3		104	1997 GH ₃	1997 04 08.78611	08 04 56.56	+19 37 06.6		104
1997 EP ₄₀	1997 03 17.84593	12 08 19.89	+07 26 46.0		104	1997 GH ₃	1997 04 08.78900	08 04 57.70	+19 37 06.0		104
1997 EP ₄₀	1997 04 03.94560	11 51 52.81	+08 22 28.3	18.0 V	104	1997 GK ₃	1997 04 09.05815	14 39 28.96	-01 31 48.8	19.0 V	104
1997 EP ₄₀	1997 04 03.95000	11 51 52.61	+08 22 28.9		104	1997 GK ₃	1997 04 09.05943	14 39 28.66	-01 32 02.5		104
1997 EP ₄₀	1997 04 03.95417	11 51 52.40	+08 22 29.4		104	1997 GK ₃	1997 04 09.06586	14 39 26.08	-01 33 14.6		104
1997 EP ₄₀	1997 04 06.84815	11 49 27.85	+08 26 43.2		104	1997 GK ₃	1997 04 09.06736	14 39 25.64	-01 33 32.4		104
1997 EP ₄₀	1997 04 06.85208	11 49 27.61	+08 26 43.6		104	1997 GR ₅	* 1997 04 06.87066	11 54 16.55	+11 18 34.2	17.2 V	104
1997 EP ₄₀	1997 04 06.85590	11 49 27.48	+08 26 44.0		104	1997 GR ₅	1997 04 06.87431	11 54 16.37	+11 18 35.1		104
1997 EP ₄₀	1997 04 13.83727	11 44 27.41	+08 29 37.2		104	1997 GR ₅	1997 04 06.87859	11 54 16.16	+11 18 36.1		104
1997 EP ₄₀	1997 04 13.84132	11 44 27.27	+08 29 37.2		104	1997 GR ₅	1997 04 06.89123	11 54 15.61	+11 18 39.3		104
1997 EP ₄₀	1997 04 13.84618	11 44 27.12	+08 29 37.0		104	1997 GR ₅	1997 04 08.88218	11 52 55.27	+11 24 42.0		104
1997 EQ ₄₀	* 1997 03 13.86128	12 12 12.43	+07 42 19.8	18.0 V	104	1997 GR ₅	1997 04 08.88646	11 52 55.06	+11 24 42.9		104
1997 EQ ₄₀	1997 03 13.86979	12 12 12.01	+07 42 26.1		104	1997 GR ₅	1997 04 08.89109	11 52 54.83	+11 24 43.9		104
1997 EQ ₄₀	1997 03 13.89826	12 12 10.59	+07 42 43.8		104	1997 GR ₅	1997 04 09.85892	11 52 17.84	+11 27 16.7		104
1997 EQ ₄₀	1997 03 16.88472	12 09 54.21	+08 13 40.2		104	1997 GR ₅	1997 04 09.86267	11 52 17.71	+11 27 17.6		104
1997 EQ ₄₀	1997 03 16.88958	12 09 53.97	+08 13 43.3		104	1997 GR ₅	1997 04 09.86615	11 52 17.59	+11 27 18.7		104
1997 EQ ₄₀	1997 03 16.89444	12 09 53.72	+08 13 45.9		104	1997 GR ₅	1997 04 10.82656	11 51 42.23	+11 29 33.3		104
1997 EQ ₄₀	1997 03 16.89861	12 09 53.51	+08 13 48.5		104	1997 GR ₅	1997 04 10.83837	11 51 41.80	+11 29 34.8		104
1997 EQ ₄₀	1997 03 17.85851	12 09 08.75	+08 23 36.9		104	1997 GR ₅	1997 04 10.84253	11 51 41.65	+11 29 35.3		104
1997 EQ ₄₀	1997 03 17.86319	12 09 08.53	+08 23 40.0		104	1997 GR ₅	1997 04 13.88153	11 49 58.76	+11 34 58.1		104
1997 EQ ₄₀	1997 03 17.86806	12 09 08.32	+08 23 42.5		104	1997 GR ₅	1997 04 13.88646	11 49 58.58	+11 34 58.6		104
1997 EQ ₄₀	1997 04 03.92222	11 55 55.17	+10 59 58.8	18.3 V	104	1997 GR ₅	1997 04 13.89051	11 49 58.44	+11 34 59.0		104
1997 EQ ₄₀	1997 04 03.92674	11 55 54.97	+11 00 00.7		104	1997 GR ₅	1997 04 14.84462	11 49 29.42	+11 36 06.1		104
1997 EQ ₄₀	1997 04 03.93125	11 55 54.75	+11 00 02.8		104	1997 GR ₅	1997 04 14.84965	11 49 29.28	+11 36 06.4		104
1997 EQ ₄₀	1997 04 06.87066	11 53 51.57	+11 21 41.2		104	1997 GR ₅	1997 04 14.85718	11 49 29.05	+11 36 06.8		104
1997 EQ ₄₀	1997 04 06.87431	11 53 51.41	+11 21 42.7		104	1997 GS ₅	* 1997 04 08.97257	12 07 31.52	+01 15 10.8	19.2 V	104
1997 EQ ₄₀	1997 04 06.87859	11 53 51.23	+11 21 44.5		104	1997 GS ₅	1997 04 08.97581	12 07 31.39	+01 15 13.2		104
1997 EQ ₄₀	1997 04 06.89123	11 53 50.65	+11 21 50.6		104	1997 GS ₅	1997 04 08.97940	12 07 31.26	+01 15 15.5		104
1997 EQ ₄₀	1997 04 13.85649	11 49 33.68	+12 04 53.6		104	1997 GS ₅	1997 04 08.98752	12 07 31.02	+01 15 21.4		104
1997 EQ ₄₀	1997 04 13.86632	11 49 33.38	+12 04 56.4		104	1997 GS ₅	1997 04 09.88986	12 06 58.81	+01 21 10.3		104
1997 EQ ₄₀	1997 04 13.87573	11 49 33.07	+12 04 59.3		104	1997 GS ₅	1997 04 09.89410	12 06 58.56	+01 21 11.9		104
1997 EQ ₄₀	1997 04 14.80919	11 49 03.05	+12 09 49.4		104	1997 GS ₅	1997 04 09.89863	12 06 58.31	+01 21 13.4		104
1997 EQ ₄₀	1997 04 14.81424	11 49 02.89	+12 09 51.1		104	1997 GT ₅	* 1997 04 08.97257	12 07 42.65	+01 17 12.5	19.0 V	104
1997 EQ ₄₀	1997 04 14.82049	11 49 02.67	+12 09 53.0		104	1997 GT ₅	1997 04 08.97581	12 07 42.48	+01 17 12.8		104
1997 EQ ₄₀	1997 04 14.82431	11 49 02.53	+12 09 54.5		104	1997 GT ₅	1997 04 08.97940	12 07 42.29	+01 17 14.8		104
1997 GM ₁	1997 04 08.94815	11 25 57.30	+02 30 48.4	19.5 V	104	1997 GT ₅	1997 04 08.98752	12 07 41.99	+01 17 16.4		104
1997 GM ₁	1997 04 08.95278	11 25 57.10	+02 30 50.5		104	1997 GT ₅	1997 04 09.88986	12 07 01.50	+01 21 46.8		104
1997 GM ₁	1997 04 08.95718	11 25 56.94	+02 30 52.4		104	1997 GT ₅	1997 04 09.89410	12 07 01.29	+01 21 47.6		104
1997 GM ₁	1997 04 09.84106	11 25 24.53	+02 36 35.2		104	1997 GT ₅	1997 04 09.89863	12 07 01.03	+01 21 48.7		104
1997 GM ₁	1997 04 09.84549	11 25 24.33	+02 36 36.5		104	1997 GT ₅	1997 04 10.85387	12 06 18.84	+01 26 29.1		104
1997 GM ₁	1997 04 09.85035	11 25 24.09	+02 36 38.1		104	1997 GT ₅	1997 04 10.85868	12 06 18.63	+01 26 30.4		104

1997 GT ₅	1997 04 10.86354	12 06 18.43	+01 26 31.9	104
1997 GT ₅	1997 04 10.87443	12 06 17.88	+01 26 35.1	104
1997 GT ₅	1997 04 14.87778	12 03 29.43	+01 45 00.1	104
1997 GT ₅	1997 04 14.88275	12 03 29.22	+01 45 01.5	104
1997 GT ₅	1997 04 14.89333	12 03 28.81	+01 45 04.1	104
1997 GN ₂₈	* 1997 04 13.85649	11 49 26.48	+12 01 14.5	18.5 V 104
1997 GN ₂₈	1997 04 13.86632	11 49 26.20	+12 01 17.1	104
1997 GN ₂₈	1997 04 13.87573	11 49 25.89	+12 01 19.5	104
1997 GN ₂₈	1997 04 14.80919	11 48 56.80	+12 04 21.9	104
1997 GN ₂₈	1997 04 14.81424	11 48 56.66	+12 04 23.3	104
1997 GN ₂₈	1997 04 14.82049	11 48 56.46	+12 04 24.7	104
1997 GN ₂₈	1997 04 14.82431	11 48 56.33	+12 04 25.7	104
3289 T-2	1997 04 09.09086	14 15 13.31	-03 47 48.8	17.4 V 104
3289 T-2	1997 04 09.09769	14 15 13.05	-03 47 45.7	104
3289 T-2	1997 04 09.11181	14 15 12.47	-03 47 39.1	104

108 Montelupo

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Observers M. Tombelli, G. Forti

0.30-m f/5.7 Schmidt-Cassegrain + CCD

GSC

1984 BC	1997 03 29.91024	10 49 33.84	+41 39 34.4	108
1984 BC	1997 03 29.91740	10 49 34.17	+41 39 35.3	17.8 V 108
1984 BC	1997 03 29.92554	10 49 34.44	+41 39 38.5	108
1991 VH	1997 03 29.92853	11 13 47.48	+40 13 59.4	108
1991 VH	1997 03 29.93351	11 13 46.98	+40 14 02.6	17.5 V 108
1991 VH	1997 03 29.93970	11 13 46.53	+40 14 06.7	108
1994 PB	1997 04 02.86666	11 46 41.28	-07 17 08.9	17.2 V 108
1994 PB	1997 04 02.87548	11 46 40.73	-07 17 03.4	108
1994 PB	1997 04 02.88443	11 46 40.46	-07 16 59.5	108
1994 PB	1997 04 02.89449	11 46 39.94	-07 16 57.2	108
1994 PB	1997 04 06.90080	11 44 07.68	-06 50 49.2	108
1994 PB	1997 04 06.90827	11 44 07.46	-06 50 50.0	17.5 V 108
1996 CR ₇	1997 04 13.06209	17 09 14.89	-01 33 42.2	108
1996 CR ₇	1997 04 13.08206	17 09 15.02	-01 33 32.9	108
1996 CR ₇	1997 04 13.08780	17 09 15.08	-01 33 31.6	108
1996 CA ₉	1997 04 13.02007	17 16 23.54	-06 13 26.2	108
1996 CA ₉	1997 04 13.03901	17 16 23.50	-06 13 20.7	108
1996 CA ₉	1997 04 13.04831	17 16 23.47	-06 13 16.3	108
1997 BD ₉	1997 02 28.93889	10 29 49.75	+12 18 35.2	108
1997 BD ₉	1997 02 28.98117	10 29 47.82	+12 18 46.7	108
1997 BD ₉	1997 02 28.99031	10 29 47.28	+12 18 50.2	17.7 V 108
1997 BD ₉	1997 03 02.89348	10 28 21.02	+12 28 13.7	108
1997 BD ₉	1997 03 02.91578	10 28 19.96	+12 28 21.9	108
1997 BD ₉	1997 03 12.86841	10 21 11.76	+13 13 02.3	17.6 V 108
1997 BD ₉	1997 03 12.92520	10 21 09.38	+13 13 16.8	108
1997 BD ₉	1997 03 12.93737	10 21 08.93	+13 13 20.0	108
1997 DW	* 1997 02 28.93100	10 24 50.79	+10 22 54.6	108
1997 DW	1997 02 28.96740	10 24 48.70	+10 23 00.1	108
1997 DW	1997 02 28.97521	10 24 48.19	+10 22 59.4	17.5 V 108
1997 DW	1997 03 02.84862	10 23 02.14	+10 27 05.6	108
1997 DW	1997 03 02.86959	10 23 00.95	+10 27 09.0	108

1997 DW	1997 03 02.88235	10 23 00.16	+10 27 09.3	108
1997 DX	* 1997 02 28.92421	10 20 39.94	+12 10 16.2	108
1997 DX	1997 02 28.95028	10 20 38.61	+12 10 28.4	108
1997 DX	1997 02 28.96134	10 20 37.86	+12 10 35.8	17.3 V 108
1997 DX	1997 03 02.83981	10 18 58.32	+12 26 55.5	108
1997 DX	1997 03 02.85434	10 18 57.34	+12 27 03.3	108
1997 DX	1997 03 02.86387	10 18 56.80	+12 27 09.0	108
1997 FU	* 1997 03 29.96567	11 22 19.65	+23 20 12.8	17.0 V 108
1997 FU	1997 03 29.97127	11 22 19.36	+23 20 11.9	108
1997 FU	1997 03 29.98199	11 22 18.84	+23 20 11.4	108
1997 FU	1997 03 29.99546	11 22 18.14	+23 20 09.9	108
1997 FU	1997 03 30.85289	11 21 35.13	+23 18 45.7	108
1997 FU	1997 03 30.86089	11 21 34.75	+23 18 44.0	108
1997 FU	1997 03 30.86997	11 21 34.18	+23 18 43.8	108
1997 FU	1997 03 30.88150	11 21 33.71	+23 18 43.5	17.2 V 108
1997 FU	1997 04 02.85078	11 19 11.06	+23 12 23.6	108
1997 FU	1997 04 02.85996	11 19 10.58	+23 12 22.6	108
1997 FU	1997 04 02.90386	11 19 08.57	+23 12 15.7	16.5 V 108
1997 FU	1997 04 06.87407	11 16 15.84	+23 00 40.5	17.0 V 108
1997 FU	1997 04 06.88623	11 16 15.26	+23 00 36.6	108
1997 FU	1997 04 06.89516	11 16 14.95	+23 00 34.4	108
1997 FU	1997 04 06.91558	11 16 13.92	+23 00 31.4	108
1997 FU	1997 04 12.84830	11 12 37.98	+22 36 53.0	108
1997 FU	1997 04 12.87545	11 12 37.19	+22 36 46.3	17.0 V 108
1997 GH ₃	1997 04 08.83704	08 05 16.68	+19 36 41.5	16.8 V 108
1997 GH ₃	1997 04 08.84428	08 05 19.79	+19 36 36.5	108
1997 GH ₃	1997 04 08.84653	08 05 20.42	+19 36 37.3	108
1997 GH ₃	1997 04 12.81340	08 32 24.48	+18 56 56.0	108
1997 GH ₃	1997 04 12.81586	08 32 25.39	+18 56 56.4	16.5 V 108
1997 GH ₃	1997 04 12.81887	08 32 26.60	+18 56 55.2	108
1997 GL ₃	1997 04 08.91377	14 19 46.80	-07 45 35.1	108
1997 GL ₃	1997 04 08.91991	14 19 41.19	-07 44 57.1	108
1997 GL ₃	1997 04 08.92209	14 19 39.08	-07 44 43.2	108
1997 GL ₃	1997 04 08.92917	14 19 32.51	-07 43 58.5	15.5 V 108
1997 GL ₃	1997 04 12.94223	13 43 05.88	-03 25 41.0	108
1997 GL ₃	1997 04 12.94549	13 43 04.71	-03 25 32.3	108
1997 GL ₃	1997 04 12.95112	13 43 02.76	-03 25 19.9	15.5 V 108
1997 GL ₃	1997 04 12.95336	13 43 01.99	-03 25 14.6	108
(3066)	1993 07 01.92060	16 37 02.88	+01 58 56.5	108
(3066)	1993 07 01.95730	16 37 01.50	+01 58 49.6	108
(3066)	1993 07 01.95993	16 37 01.43	+01 58 47.8	108
(4993)	1997 04 06.81005	08 42 49.13	+26 43 37.2	108
(4993)	1997 04 06.82291	08 42 49.47	+26 43 32.3	108
(4993)	1997 04 06.83048	08 42 49.68	+26 43 29.9	17.0 V 108

118 Modra

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Observers Š. Gajdoš, A. Galád, D. Kalmančok, P. Kolény, L. Kornoš, A. Pravda

Measurers A. Galád, A. Pravda

0.6-m f/5.5 reflector + CCD

GSC

1991 VH	1997 04 13.94208	11 01 33.83	+41 35 59.5	17.7 R	118	1997 DA	1997 04 02.83839	08 09 10.83	+21 59 51.1		118
1991 VH	1997 04 13.95381	11 01 33.56	+41 35 58.2	17.6 R	118	1997 DA	1997 04 02.84108	08 09 11.03	+21 59 51.0	19.2 R	118
1995 QD ₂	1997 03 30.95841	12 31 44.52	-10 23 21.5		118	1997 EM ₂	1997 03 07.80457	07 40 09.23	+19 39 36.5		118
1995 QD ₂	1997 03 30.96230	12 31 44.26	-10 23 20.1	18.8 R	118	1997 EM ₂	1997 03 07.91287	07 40 08.40	+19 39 19.0	19.2 R	118
1995 QD ₂	1997 04 01.92067	12 29 43.56	-10 11 03.6		118	1997 EM ₂	1997 03 07.92463	07 40 08.32	+19 39 16.6		118
1995 QD ₂	1997 04 01.98334	12 29 39.58	-10 10 39.8		118	1997 EM ₂	1997 03 10.92697	07 39 57.91	+19 31 01.8		118
1995 QD ₂	1997 04 01.98990	12 29 39.16	-10 10 37.0		118	1997 EM ₂	1997 03 10.93094	07 39 57.90	+19 31 00.2		118
1995 QD ₂	1997 04 02.93459	12 28 41.29	-10 04 35.8		118	1997 EM ₂	1997 03 10.94049	07 39 57.87	+19 30 58.6	18.8 R	118
1995 QD ₂	1997 04 02.93692	12 28 41.18	-10 04 34.9		118	1997 EM ₇	1997 03 08.93075	07 40 59.18	+19 45 15.0	17.8 R	118
1995 QD ₂	1997 04 02.93919	12 28 41.02	-10 04 33.8	18.5 R	118	1997 EM ₇	1997 03 08.95002	07 40 59.51	+19 45 16.0		118
1995 QD ₂	1997 04 03.89547	12 27 42.75	-09 58 24.5		118	1997 EM ₇	1997 03 10.87036	07 41 39.37	+19 47 16.2	17.8 R	118
1995 QD ₂	1997 04 03.90868	12 27 41.91	-09 58 19.4	18.6 R	118	1997 EM ₇	1997 03 10.87256	07 41 39.40	+19 47 16.4		118
1995 QY ₂	1997 04 14.09638	13 01 50.77	+14 58 03.4	18.5 R	118	1997 EM ₇	1997 03 10.87819	07 41 39.51	+19 47 16.7		118
1995 QY ₂	1997 04 14.10492	13 01 50.39	+14 58 05.8		118	1997 EM ₇	1997 03 10.88321	07 41 39.63	+19 47 17.0		118
1995 RC	1997 03 17.95612	12 36 50.43	-09 31 47.0		118	1997 EM ₇	1997 03 22.80264	07 48 18.54	+19 51 23.2		118
1995 RC	1997 03 17.97539	12 36 49.26	-09 31 42.5	18.0 R	118	1997 EM ₇	1997 03 22.81228	07 48 18.95	+19 51 23.1	17.7 R	118
1995 UY ₄₄	1997 04 01.00059	11 08 17.61	+16 24 09.5		118	1997 EM ₇	1997 03 26.80238	07 51 25.25	+19 49 35.4	17.7 R	118
1995 UY ₄₄	1997 04 01.00388	11 08 17.52	+16 24 08.8	18.9 R	118	1997 EM ₇	1997 03 26.80697	07 51 25.42	+19 49 35.2		118
1996 AD ₂	1997 04 02.97940	12 38 05.19	+14 17 44.2		r 118	1997 EM ₇	1997 03 26.81532	07 51 25.83	+19 49 34.0	17.8 R	118
1996 AD ₂	1997 04 02.98447	12 38 04.96	+14 17 45.7	18.4 R	r 118	1997 EM ₇	1997 04 02.85356	07 57 50.03	+19 42 33.5		118
1996 DD ₁	1997 04 02.04117	16 03 12.71	+10 51 26.9		r 118	1997 EM ₇	1997 04 02.85620	07 57 50.23	+19 42 33.5	17.9 R	118
1996 DD ₁	1997 04 02.05058	16 03 12.58	+10 51 31.2		r 118	1997 EM ₇	1997 04 02.86126	07 57 50.52	+19 42 33.1		118
1996 DD ₁	1997 04 02.06355	16 03 12.33	+10 51 37.2		r 118	1997 EM ₇	1997 04 08.92356	08 04 12.41	+19 32 30.9		118
1996 DD ₁	1997 04 03.02259	16 02 59.51	+10 58 32.8		r 118	1997 EM ₇	1997 04 08.92656	08 04 12.63	+19 32 30.3		118
1996 DD ₁	1997 04 03.02553	16 02 59.44	+10 58 33.7		r 118	1997 EN ₇	1997 03 09.76559	06 50 58.25	+20 06 55.1	19.2 R	I 118
1996 DD ₁	1997 04 03.03259	16 02 59.36	+10 58 37.3	18.7 R	r 118	1997 EN ₇	1997 03 09.78811	06 50 58.66	+20 06 56.3		I 118
1996 RG ₃	1997 04 14.07246	13 58 37.89	-04 14 10.8	18.9 R	r 118	1997 EN ₇	1997 03 10.84286	06 51 21.17	+20 07 58.1	19.6 R	118
1996 RG ₃	1997 04 14.08172	13 58 36.76	-04 14 04.8		r 118	1997 EN ₇	1997 03 10.85242	06 51 21.37	+20 07 58.7		118
1996 YF ₁	1997 03 23.84440	08 20 40.32	+38 27 10.1		118	1997 EN ₇	1997 03 10.85851	06 51 21.52	+20 07 58.9		118
1996 YF ₁	1997 03 23.85701	08 20 41.88	+38 27 00.6	18.6 R	118	1997 FG ₁	* 1997 03 23.89936	11 15 02.43	+16 13 00.9	16.3 R	118
1996 YF ₁	1997 03 23.86085	08 20 42.40	+38 26 58.1		118	1997 FG ₁	1997 03 23.90306	11 15 02.29	+16 13 02.5		118
1997 BR	1997 03 17.89928	08 37 01.02	+62 53 58.0	17.3 R	118	1997 FG ₁	1997 03 23.90980	11 15 02.02	+16 13 05.6		118
1997 BR	1997 03 17.90759	08 37 00.01	+62 54 07.7		118	1997 FG ₁	1997 03 27.82347	11 12 39.43	+16 38 03.8		118
1997 DA	1997 02 20.91564	07 57 04.15	+21 07 18.1	18.3 R	118	1997 FG ₁	1997 03 27.93600	11 12 35.33	+16 38 42.8		118
1997 DA	1997 02 20.92899	07 57 03.72	+21 07 21.8		118	1997 FG ₁	1997 03 27.93848	11 12 35.24	+16 38 43.1	16.6 R	118
1997 DA	1997 02 23.00828	07 56 10.21	+21 15 44.9	18.1 R	118	1997 GA	* 1997 04 01.92067	12 29 29.32	-10 13 38.1	19.0 R	118
1997 DA	1997 02 23.01125	07 56 10.11	+21 15 45.8		118	1997 GA	1997 04 01.98334	12 29 25.67	-10 13 10.0		118
1997 DA	1997 02 26.87915	07 54 57.22	+21 29 45.0	18.4 R	118	1997 GA	1997 04 01.98990	12 29 25.29	-10 13 07.3		118
1997 DA	1997 02 26.88402	07 54 57.14	+21 29 45.7	18.5 R	118	1997 GA	1997 04 02.93208	12 28 33.84	-10 06 13.4		118
1997 DA	1997 02 26.88818	07 54 57.05	+21 29 47.2	18.4 R	118	1997 GA	1997 04 02.93459	12 28 33.72	-10 06 11.8	18.8 R	118
1997 DA	1997 02 27.87340	07 54 44.00	+21 32 59.1	19.2 R	118	1997 GA	1997 04 02.93919	12 28 33.41	-10 06 09.9		118
1997 DA	1997 02 27.87914	07 54 43.89	+21 33 00.4	19.5 R	118	1997 GA	1997 04 03.89547	12 27 41.36	-09 59 04.2	18.8 R	118
1997 DA	1997 02 27.88400	07 54 43.82	+21 33 01.6	19.1 R	118	1997 GA	1997 04 03.90868	12 27 40.61	-09 58 58.1	18.9 R	118
1997 DA	1997 03 01.98438	07 54 23.44	+21 39 23.0	18.7 R	118	1997 GH ₃	1997 04 13.91880	08 40 00.07	+18 42 40.6	16.7 R	118
1997 DA	1997 03 01.99623	07 54 23.34	+21 39 25.6		118	1997 GH ₃	1997 04 13.92502	08 40 02.63	+18 42 35.3	16.7 R	118
1997 DA	1997 03 02.00071	07 54 23.25	+21 39 25.9	18.6 R	118	1997 GH ₃	1997 04 13.93050	08 40 04.86	+18 42 30.7	16.6 R	118
1997 DA	1997 03 02.92677	07 54 17.77	+21 42 02.9	18.4 R	118	1997 GL ₃	1997 04 14.05061	13 37 38.89	-02 47 11.9		118
1997 DA	1997 03 02.93675	07 54 17.70	+21 42 04.1		118	1997 GL ₃	1997 04 14.05836	13 37 36.75	-02 46 57.4		118
1997 DA	1997 03 02.94279	07 54 17.67	+21 42 05.2		118	1997 GL ₃	1997 04 14.06137	13 37 35.92	-02 46 51.8	16.2 R	118
1997 DA	1997 04 01.86822	08 08 14.80	+22 01 15.2		118	(1362)	1997 04 14.00789	12 54 56.34	+24 57 32.2		r 118
1997 DA	1997 04 01.87312	08 08 15.16	+22 01 15.0		118	(1362)	1997 04 14.01778	12 54 55.93	+24 57 33.8	17.0 R	r 118
1997 DA	1997 04 01.87753	08 08 15.32	+22 01 14.3		118	(2060)	1997 03 31.00911	13 52 48.24	-11 46 00.9		118

(2060)	1997 03 31.01508	13 52 48.14	-11 46 00.6	16.6 R	118
(2204)	1997 04 13.84545	08 04 43.00	+16 01 49.7		118
(2204)	1997 04 13.85206	08 04 43.76	+16 01 52.5	15.7 R	118
(3480)	1997 04 09.04369	14 21 15.69	-11 34 49.3		r 118
(3480)	1997 04 09.05176	14 21 15.41	-11 34 46.6		r 118
(3567)	1997 04 13.96341	11 09 03.53	-04 47 55.3	18.2 R	118
(3567)	1997 04 13.97326	11 09 03.25	-04 47 52.3	18.3 R	118
(3943)	1997 04 09.00594	12 57 41.19	-08 10 19.8		118
(3943)	1997 04 09.00892	12 57 40.99	-08 10 19.1		118
(3943)	1997 04 13.98345	12 52 33.51	-07 49 43.2		118
(3943)	1997 04 13.99670	12 52 32.69	-07 49 39.8	18.1 R	118
(5145)	1997 03 31.02762	13 14 23.00	+19 41 02.3		r 118
(5145)	1997 03 31.04406	13 14 22.78	+19 41 04.3	17.9 R	r 118
(6537)	1997 03 30.91391	08 06 16.09	+22 01 30.9	18.6 R	118
(6537)	1997 03 30.93520	08 06 16.55	+22 01 30.2		118
(6537)	1997 03 30.94168	08 06 16.66	+22 01 29.5		118

120 Višnjan

K. Korlević, Istarska 5, HR-51463 Višnjan, Croatia [kkorlevic@x400.srce.hr]

Observers K. Korlević, V. Brcić, M. Dusić

Measurer K. Korlević

0.41-m *f*/4.3 reflector + CCD

GSC

1997 EE ₂₉	1997 03 16.96066	12 10 30.96	-01 59 03.5		120
1997 EE ₂₉	1997 03 16.96656	12 10 30.65	-01 59 01.7	17.5 R	120
1997 EE ₂₉	1997 03 16.97476	12 10 30.18	-01 58 59.1		120
1997 EE ₂₉	1997 03 16.98936	12 10 29.41	-01 58 54.2		120
1997 EE ₂₉	1997 03 16.99481	12 10 29.09	-01 58 52.5		120

121 Kharkov University, Chuguevskaya Station

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[krugly@astron.kharkov.ua]

0.70-m *f*/4 reflector + CCD

GSC

1991 CS	1997 03 12.10777	12 30 04.43	+47 29 07.3		121
1991 CS	1997 03 12.11140	12 30 04.09	+47 29 25.6		121
1991 CS	1997 03 12.11486	12 30 03.71	+47 29 43.1		121
1992 CC ₁	1997 03 12.01248	11 24 39.48	-00 32 52.3		121
1992 CC ₁	1997 03 12.02300	11 24 37.63	-00 32 57.8		121
1992 CC ₁	1997 03 12.88647	11 22 08.92	-00 39 32.7		121
1992 CC ₁	1997 03 12.88997	11 22 08.31	-00 39 33.6		121
1992 CC ₁	1997 03 12.89324	11 22 07.71	-00 39 35.6		121
1992 CC ₁	1997 03 12.92046	11 22 02.94	-00 39 47.6		121
1992 CC ₁	1997 03 12.92392	11 22 02.33	-00 39 49.2		121
1997 BR	1997 03 03.08818	09 10 43.71	+56 06 21.7		121
1997 BR	1997 03 03.09186	09 10 43.11	+56 06 28.7		121
1997 BR	1997 03 03.09537	09 10 42.64	+56 06 37.0		121
1997 CZ ₅	1997 03 11.80284	05 48 03.64	+08 15 22.8		121
1997 CZ ₅	1997 03 11.80609	05 48 04.12	+08 15 19.8		121
1997 CZ ₅	1997 04 02.73834	06 41 01.58	+03 36 37.0		121
1997 CZ ₅	1997 04 02.74936	06 41 03.16	+03 36 29.8		121
1997 CZ ₅	1997 04 02.79799	06 41 10.05	+03 35 57.6		121

1997 CZ ₅	1997 04 02.80079	06 41 10.49	+03 35 55.4		121
(1566)	1996 06 08.96331	22 15 01.78	+07 22 02.8		121
(1566)	1996 06 08.96438	22 15 00.05	+07 21 48.4		121
(1566)	1996 06 08.99567	22 14 09.10	+07 14 41.6		121
(1566)	1996 06 08.99698	22 14 06.96	+07 14 23.9		121
(1566)	1996 06 09.96815	21 47 04.69	+03 21 07.0		121
(1566)	1996 06 09.97131	21 46 59.18	+03 20 19.4		121
(1566)	1996 06 09.98873	21 46 28.88	+03 15 58.0		121
(1566)	1996 06 09.99012	21 46 26.46	+03 15 37.1		121
(5152)	1997 03 12.88647	11 22 28.92	-00 39 54.8		121
(5152)	1997 03 12.88997	11 22 28.73	-00 39 54.7		121
(5152)	1997 03 12.89324	11 22 28.52	-00 39 53.7		121
(5152)	1997 03 12.92046	11 22 26.93	-00 39 49.1		121
(5152)	1997 03 12.92392	11 22 26.75	-00 39 49.1		121
(5407)	1997 02 04.72856	08 08 57.55	+24 53 45.7		121
(5407)	1997 02 04.73188	08 08 57.26	+24 53 48.9		121
(5407)	1997 02 04.75766	08 08 55.03	+24 54 11.5		121
(5407)	1997 02 04.77260	08 08 53.74	+24 54 25.3		121

124 Castres

A. Klotz, 82 Rue Maroulet, F-81100 Castres, France [klotz@irsamc1.ups-tlse.fr]

0.20-m *f*/6.15 reflector + CCD

GSC

1989 CG ₁	1997 03 30.86220	08 36 27.26	+10 09 42.5	16.6	124
1989 CG ₁	1997 03 30.88095	08 36 27.44	+10 09 39.9	16.6	124
1989 CG ₁	1997 03 30.89970	08 36 27.62	+10 09 36.4	16.6	124
1993 JL	1997 03 31.04701	13 54 47.45	+12 23 05.7	15.6	124
1993 JL	1997 03 31.05999	13 54 46.81	+12 23 09.1	15.6	124
1993 JL	1997 03 31.06862	13 54 46.35	+12 23 11.3	15.6	124
1994 RX ₁	1997 03 27.92127	11 00 09.35	+07 31 16.7	17.1	124
1994 RX ₁	1997 03 27.93420	11 00 08.79	+07 31 28.8	17.0	124
1994 RX ₁	1997 03 27.94282	11 00 08.39	+07 31 38.2	16.9	124
1995 WO ₈	1997 03 27.83103	10 30 26.61	+17 44 03.4	15.6	124
1997 EG ₁₈	1997 04 05.84316	11 01 57.68	+15 27 30.7	18.0	F 124
1997 EG ₁₈	1997 04 05.86041	11 01 57.39	+15 27 35.4	18.0	F 124
1997 EU ₃₂	1997 03 27.88233	10 25 01.15	+14 40 17.6	17.7	124
1997 EU ₃₂	1997 03 27.90108	10 25 00.48	+14 40 19.4	17.8	D 124
1997 FC	1997 03 29.86306	11 15 13.51	+17 40 27.4	17.6	124
1997 FC	1997 03 29.86953	11 15 13.29	+17 40 29.1	17.4	124
1997 FC	1997 03 29.87600	11 15 13.11	+17 40 30.8	17.6	124
1997 FC	1997 03 30.98683	11 14 33.18	+17 45 23.9	17.5	124
1997 FC	1997 03 30.99115	11 14 32.99	+17 45 25.9	17.6	124
1997 FC	1997 03 30.99979	11 14 32.66	+17 45 27.3	17.4	124
1997 FC	1997 04 05.92077	11 11 20.69	+18 07 13.9	17.7	124
1997 FC	1997 04 05.92934	11 11 20.61	+18 07 14.7	17.5	124
1997 FK ₁	* 1997 03 29.89947	11 13 50.98	+17 45 35.6	17.5	124
1997 FK ₁	1997 03 29.90378	11 13 50.82	+17 45 36.1	17.5	124
1997 FK ₁	1997 03 29.91241	11 13 50.41	+17 45 36.9	17.6	124
1997 FK ₁	1997 03 30.95606	11 13 03.60	+17 47 12.7	17.5	124
1997 FK ₁	1997 03 30.96473	11 13 03.25	+17 47 13.3	17.5	124
1997 FK ₁	1997 03 30.97767	11 13 02.55	+17 47 14.2	17.6	124
1997 FK ₁	1997 04 05.87188	11 09 07.15	+17 51 16.7	17.5	124

1997 FK ₁	1997 04 05.88051	11 09 07.00	+17 51 16.9	17.6	124
1997 FK ₁	1997 04 05.88914	11 09 06.50	+17 51 17.6	17.2	124
1997 FP ₁	1997 04 05.89683	11 11 19.09	+18 39 11.3	18.2	124
1997 FP ₁	1997 04 05.90973	11 11 18.49	+18 39 18.7		F 124
1997 FR ₁	1997 04 05.94826	12 13 11.07	+18 44 09.0	15.8	124
1997 FR ₁	1997 04 05.95689	12 13 10.64	+18 44 09.3	15.9	124
1997 FR ₁	1997 04 05.96983	12 13 09.98	+18 44 09.1	15.9	124

127 Bornheim

N. Ehring, Stationenweg 54, D-53332 Bornheim, Germany [norbert.ehring@t-online.de]

0.19-m *f*/4 FFC + CCD

GSC

1953 GN	1997 03 09.95383	11 23 55.25	+04 49 30.0		127
1953 GN	1997 03 09.96094	11 23 54.89	+04 49 34.2		127
1953 GN	1997 03 11.01800	11 23 01.12	+05 00 23.2		127
1953 GN	1997 03 11.02616	11 23 00.68	+05 00 28.5		127
1988 BC	1997 03 09.89049	10 30 30.65	+33 06 32.4		127
1988 BC	1997 03 09.89809	10 30 30.29	+33 06 33.2		127
1988 BC	1997 03 10.94543	10 29 44.28	+33 07 43.2		127
1988 BC	1997 03 10.94907	10 29 44.10	+33 07 43.4		127
1992 WP ₅	1997 03 09.92940	11 01 45.82	+12 08 46.3		127
1992 WP ₅	1997 03 09.93825	11 01 45.26	+12 08 49.8		127
1992 WP ₅	1997 03 10.98003	11 00 43.46	+12 15 55.6		127
1992 WP ₅	1997 03 10.98796	11 00 43.00	+12 15 58.7		127
1993 BH ₂	1997 03 09.92940	11 01 56.92	+11 57 54.2		127
1993 BH ₂	1997 03 09.93478	11 01 56.62	+11 57 56.4		127
1993 BH ₂	1997 03 10.98003	11 00 58.01	+12 05 17.4		127
1993 BH ₂	1997 03 10.98368	11 00 57.78	+12 05 18.6		127
1993 EP	1997 03 10.91771	10 17 40.24	+12 55 54.7		127
1993 EP	1997 03 10.92124	10 17 40.00	+12 55 54.3		127
1994 RX ₁	1997 03 09.94243	11 14 20.68	+02 23 21.6		127
1994 RX ₁	1997 03 09.94959	11 14 20.32	+02 23 28.8		127
1994 RX ₁	1997 03 10.99253	11 13 27.81	+02 41 26.7		127
1994 RX ₁	1997 03 10.99825	11 13 27.50	+02 41 33.8		127
(644)	1997 03 09.92002	10 42 00.58	+09 34 28.5		127
(644)	1997 03 09.92552	10 42 00.30	+09 34 30.1		127
(644)	1997 03 10.96493	10 41 07.75	+09 39 49.0		127
(644)	1997 03 10.97436	10 41 07.30	+09 39 52.0		127
(916)	1997 03 09.86047	09 59 27.00	+10 27 17.7		127
(916)	1997 03 09.86765	09 59 26.61	+10 27 18.6		127
(916)	1997 03 10.90775	09 58 29.95	+10 29 01.2		127
(916)	1997 03 10.91481	09 58 29.58	+10 29 02.0		127
(3067)	1997 03 09.92002	10 41 59.73	+09 21 47.8		127
(3067)	1997 03 09.92552	10 41 59.38	+09 21 48.8		127
(3067)	1997 03 10.96898	10 40 56.05	+09 24 49.3		127
(3067)	1997 03 10.97436	10 40 55.74	+09 24 50.4		127
(3447)	1997 02 26.80978	09 05 31.60	+42 20 36.2		127
(3447)	1997 02 26.81331	09 05 31.28	+42 20 33.4		127
(3447)	1997 02 26.81690	09 05 30.97	+42 20 30.7		127
(3447)	1997 02 26.81956	09 05 30.75	+42 20 27.7		127
(3447)	1997 03 04.80191	08 58 15.45	+40 48 58.6		127

(3447)	1997 03 04.81545	08 58 14.56	+40 48 45.3		127
(3447)	1997 03 04.81834	08 58 14.40	+40 48 42.5		127

131 Observatoire de l'Ardeche

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Observers M. Peyro, J.P. Barrilliot, F. Lefevre

Measurer A. Klotz

0.60-m *f*/3.2 reflector + CCD

(465)	1996 10 05.94061	00 40 57.92	+11 06 42.3	14.4	131
(465)	1996 10 05.94444	00 40 57.74	+11 06 41.3	14.5	131
(465)	1996 10 05.94653	00 40 57.65	+11 06 40.7	14.4	131
(465)	1996 10 05.94866	00 40 57.55	+11 06 40.2	14.5	131
(465)	1996 10 05.96024	00 40 57.02	+11 06 37.0	14.5	131
(465)	1996 10 05.96327	00 40 56.88	+11 06 36.2	14.4	131
(7257)	1996 10 05.94061	00 40 56.49	+11 11 16.2	16.0	131
(7257)	1996 10 05.94444	00 40 56.27	+11 11 14.7	16.1	131
(7257)	1996 10 05.94653	00 40 56.15	+11 11 13.8	16.0	131
(7257)	1996 10 05.94866	00 40 56.02	+11 11 13.1	16.1	131
(7257)	1996 10 05.96024	00 40 55.36	+11 11 08.5	16.1	131
(7257)	1996 10 05.96327	00 40 55.19	+11 11 07.3	16.0	131

132 Bedoin

A. Klotz, 82 Rue Maroulet, F-81100 Castres, France [klotz@irsamc1.ups-tlse.fr]

Observer P. Antonini

0.16-m *f*/3.3 reflector + CCD

1997 DQ	1997 03 11.92737	10 37 12.24	+14 13 18.2	18.0	132
1997 DQ	1997 03 12.00157	10 37 07.48	+14 13 16.4	18.0	132
1997 DQ	1997 03 12.07543	10 37 02.82	+14 13 13.5	18.0	132
1997 DQ	1997 03 13.99370	10 35 10.34	+14 12 11.4	18.0	132
1997 DQ	1997 03 16.01832	10 33 16.99	+14 10 23.2	18.1	132
1997 DQ	1997 03 27.82213	10 24 29.53	+13 47 06.0	18.6	132
1997 DQ	1997 03 27.88297	10 24 27.42	+13 46 53.6	18.6	132
1997 DQ	1997 03 27.92950	10 24 25.89	+13 46 44.4	18.6	132
1997 EP ₃₀	1997 03 16.03050	10 22 24.96	+28 04 24.8	17.0	132
1997 EP ₃₀	1997 03 27.84545	10 15 17.04	+28 12 11.2	17.2	132
1997 EP ₃₀	1997 03 27.89413	10 15 15.51	+28 12 10.9	17.3	132
1997 EP ₃₀	1997 03 27.94436	10 15 13.95	+28 12 09.8	17.3	132
1997 EQ ₃₀	1997 03 15.94506	10 26 16.92	+26 26 48.5	17.2	132
1997 EQ ₃₀	1997 03 16.00413	10 26 14.28	+26 27 01.3	17.5	132
1997 EQ ₃₀	1997 03 16.04925	10 26 12.25	+26 27 11.8	17.4	132
1997 EQ ₃₀	1997 03 27.85760	10 19 17.60	+26 52 19.8	17.5	132
1997 EQ ₃₀	1997 03 27.90789	10 19 16.29	+26 52 19.1	17.8	132
1997 EU ₃₂	* 1997 03 13.93235	10 35 04.68	+14 06 32.1	17.5	132
1997 EU ₃₂	1997 03 13.99370	10 35 01.26	+14 06 45.8	17.8	132
1997 EU ₃₂	1997 03 14.05539	10 34 58.00	+14 07 00.4	17.7	132
1997 EU ₃₂	1997 03 16.01832	10 33 15.47	+14 14 11.5	17.9	132
1997 EU ₃₂	1997 03 16.90532	10 32 31.06	+14 17 13.8	17.8	132
1997 EU ₃₂	1997 03 27.81186	10 25 03.25	+14 40 13.2	18.3	132
1997 EU ₃₂	1997 03 27.87123	10 25 01.40	+14 40 17.1	18.3	132
1997 EU ₃₂	1997 03 27.92060	10 24 59.76	+14 40 21.1	18.3	132
1997 EU ₃₂	1997 03 31.81422	10 23 13.45	+14 42 09.8	18.4	132

1997 EU ₃₂	1997 03 31.90152	10 23 10.98	+14 42 13.1	18.4	132
1997 FC	1997 03 31.82455	11 14 04.09	+17 48 55.5	17.5	132
1997 FC	1997 03 31.85978	11 14 02.79	+17 49 05.0	17.8	132
1997 FC	1997 03 31.93499	11 14 00.14	+17 49 23.4	17.6	132
1997 FC	1997 04 10.85023	11 09 10.36	+18 19 42.0	16.9	132
1997 FC	1997 04 10.92847	11 09 08.31	+18 19 51.9	17.3	132
1997 FC	1997 04 10.99543	11 09 06.79	+18 20 00.1	17.1	132
1997 FK ₁	1997 04 10.88132	11 06 28.36	+17 48 18.2	17.4	132
1997 FK ₁	1997 04 10.95112	11 06 26.33	+17 48 12.7	17.1	132
1997 FK ₁	1997 04 11.01994	11 06 24.45	+17 48 07.1	17.1	132
1997 FP ₁	* 1997 03 31.82455	11 14 55.45	+17 47 52.1	17.7	132
1997 FP ₁	1997 03 31.85978	11 14 53.70	+17 48 14.3	17.5	132
1997 FP ₁	1997 03 31.93499	11 14 50.39	+17 49 03.6	17.9	132
1997 FP ₁	1997 04 01.81366	11 14 10.93	+17 58 27.6	18.2	132
1997 FP ₁	1997 04 01.86417	11 14 08.82	+17 59 00.7	18	132
1997 FP ₁	1997 04 01.90509	11 14 06.69	+17 59 25.5	18	132
1997 FP ₁	1997 04 02.84571	11 13 25.57	+18 09 14.1	17.6	132
1997 FP ₁	1997 04 02.90386	11 13 23.38	+18 09 49.3	17.6	132

133 Les Tardieux

A. Klotz, 82 Rue Maroulet, F-81100 Castres, France [klotz@irsamc1.ups-tlse.fr]

Observer M. Boeuf

0.20-m $f/6.3$ reflector + CCD

1997 FR ₁	1997 03 30.83170	12 18 26.41	+18 35 17.5	15.6	133
1997 FR ₁	1997 03 30.91153	12 18 22.05	+18 35 29.2	15.5	133
1997 FR ₁	1997 03 31.81199	12 17 34.07	+18 37 32.5	15.6	133
1997 FR ₁	1997 03 31.91909	12 17 28.23	+18 37 46.5	15.6	133
1997 FR ₁	1997 04 06.82538	12 12 29.00	+18 44 22.7	15.8	133
1997 FR ₁	1997 04 06.86912	12 12 26.82	+18 44 23.4	15.9	133
1997 FR ₁	1997 04 10.81502	12 09 27.90	+18 42 09.7	15.6	133
1997 FR ₁	1997 04 10.83716	12 09 26.84	+18 42 08.9	16.2	133
(43)	1997 03 02.80487	07 36 37.54	+17 59 40.4	11.9	133
(43)	1997 03 02.86772	07 36 36.31	+17 59 44.2	11.8	133
(43)	1997 03 06.82159	07 35 41.07	+18 03 24.7	11.8	133
(43)	1997 03 06.87233	07 35 40.48	+18 03 26.9	12.0	133
(290)	1997 04 05.82332	09 17 06.04	+34 25 42.7	14.6	133
(290)	1997 04 05.84118	09 17 06.65	+34 25 16.0	14.6	133
(290)	1997 04 05.86051	09 17 07.31	+34 24 47.0	14.6	133
(290)	1997 04 06.81380	09 17 43.92	+34 00 57.9	15.0	133
(290)	1997 04 06.86201	09 17 45.64	+33 59 46.1	15.0	133

134 Groaschwabhausen

H.-G. Reimann, Astrophysikalisches Institut und Universitätssternwarte Jena, Schillergäßchen 2, D-07745 Jena, Germany [rei@astro.uni-jena.de]

0.90-m $f/2$ Schmidt + CCD

GSC

1990 TM ₇	1997 04 08.90575	13 18 29.91	-06 22 09.4	16.9 V	134
1990 TM ₇	1997 04 08.91559	13 18 29.33	-06 22 07.5	16.8 V	134
1990 TM ₇	1997 04 08.94225	13 18 27.77	-06 22 02.4	16.9 V	134

250 Hubble Space Telescope

R. W. Evans, Mail Stop 183-900, Jet Propulsion Laboratory, 4800 Oak Grove Drive, Pasadena, CA 91109, U.S.A. [rwe@bb5.jpl.nasa.gov]

Observers R. Evans, K. Staplefeldt, M. McMaster, C. Steidel

1992 EB ₁₃	1995 03 27.46407	06 08 56.275	+24 22 24.97	19.32I	250
Geocentric position (km)	+ 1392.0083	+ 6409.4445	- 2362.5987		
1992 EB ₁₃	1995 03 27.46569	06 08 56.322	+24 22 24.97		250
Geocentric position (km)	+ 385.6853	+ 6420.1679	- 2689.2718		
1992 EB ₁₃	1995 03 27.46685	06 08 56.369	+24 22 24.97	19.29I	250
Geocentric position (km)	- 339.9129	+ 6337.2573	- 2885.1633		
1992 EB ₁₃	1995 03 27.46847	06 08 56.416	+24 22 24.97		250
Geocentric position (km)	- 1347.1977	+ 6096.2959	- 3101.5684		
1992 UY ₃	1994 04 23.50436	10 46 47.381	+11 52 33.80	18.92V	250
Geocentric position (km)	- 6272.2192	+ 1034.1247	- 2879.9867		
1992 UY ₃	1994 04 23.52172	10 46 46.901	+11 52 28.05		250
Geocentric position (km)	- 1489.7458	- 6561.9947	+ 1825.1654		
1992 UY ₃	1994 04 23.55853	10 46 47.061	+11 52 27.98	18.96V	250
Geocentric position (km)	- 510.3428	+ 6454.3150	- 2595.4996		
1992 UY ₃	1994 04 23.56895	10 46 46.701	+11 52 27.97		250
Geocentric position (km)	- 5683.7910	+ 2495.2267	- 3174.7480		
1222 T-1	1995 10 19.53839	23 45 35.737	+09 09 37.99	16.64R C	250
Geocentric position (km)	+ 5495.4714	- 4249.9062	- 619.2496		
1222 T-1	1995 10 19.54997	23 45 34.727	+09 09 34.70		250
Geocentric position (km)	+ 6096.4631	+ 2160.8895	+ 2599.8262		
1222 T-1	1995 10 19.55159	23 45 34.563	+09 09 34.41	16.68R C	250
Geocentric position (km)	+ 5573.6671	+ 3038.6759	+ 2890.7832		
1222 T-1	1995 10 19.56432	23 45 33.844	+09 09 34.35		250
Geocentric position (km)	- 1553.8918	+ 6280.0417	+ 2596.5372		
1222 T-1	1995 10 19.59881	23 45 33.716	+09 09 45.65	16.63R C	250
Geocentric position (km)	+ 2160.9825	- 6189.1497	- 2385.6960		
1222 T-1	1995 10 19.61270	23 45 32.640	+09 09 42.36		250
Geocentric position (km)	+ 6775.7971	- 342.0521	+ 1602.2577		
1222 T-1	1995 10 19.61478	23 45 32.432	+09 09 41.64	C	250
Geocentric position (km)	+ 6577.3625	+ 894.5903	+ 2147.2273		
1222 T-1	1995 10 19.62983	23 45 31.455	+09 09 40.59		250
Geocentric position (km)	- 607.8855	+ 6332.1879	+ 2851.1878		
(5825)	1995 01 29.57242	14 13 12.501	-03 08 12.52	18.92V	250
Geocentric position (km)	- 5976.6331	+ 2024.1462	- 2976.263		
(5825)	1995 01 29.58631	14 13 12.813	-03 08 13.16		250
Geocentric position (km)	- 4325.9502	- 5428.8620	+ 645.2716		
(5825)	1995 01 29.63561	14 13 15.200	-03 08 05.55	18.57I	250
Geocentric position (km)	- 4600.5137	+ 4070.1395	- 3308.623		
(5825)	1995 01 29.64950	14 13 15.550	-03 08 05.78		250
Geocentric position (km)	- 5813.5577	- 3812.5664	- 519.2714		
(5825)	1995 01 29.65436	14 13 15.663	-03 08 06.03	18.59V	250
Geocentric position (km)	- 3828.5984	- 5746.3156	+ 984.4196		
(5825)	1995 01 29.66478	14 13 15.954	-03 08 06.05		250
Geocentric position (km)	+ 2331.9954	- 5748.6410	+ 3180.8299		

292 Burlington

T. Handley, 13 Linden Avenue, Burlington, NJ 08016, U.S.A.

0.30-m $f/3.0$ Schmidt-Cassegrain + focal reducer + CCD

GSC

1996 QQ ₁	1996 10 12.19795	23 55 03.69	-04 11 28.4	17.4	292
1996 QQ ₁	1996 10 12.21602	23 55 03.11	-04 11 32.4		292
1996 TM ₃	1996 10 04.19863	00 02 25.02	-03 25 00.5		292
1996 TM ₃	1996 10 04.21462	00 02 24.24	-03 25 08.5	17.7	292
1996 TM ₃	1996 10 06.20417	00 00 54.59	-03 41 41.5		292
1996 TM ₃	1996 10 06.21944	00 00 54.00	-03 41 48.6	17.7	292
1996 TM ₃	1996 10 12.19795	23 56 50.04	-04 26 55.7		292
1996 TM ₃	1996 10 12.21602	23 56 49.48	-04 27 04.1	18.3	292
1996 TM ₃	1996 10 15.06876	23 55 09.22	-04 45 47.1		292
1996 TM ₃	1996 10 15.08961	23 55 08.58	-04 45 55.1	18.4	292
1996 TN ₃	1996 10 04.15763	00 01 36.64	-02 38 22.1	19.3	292
1996 TN ₃	1996 10 04.17360	00 01 36.04	-02 38 32.3		292
1996 TN ₃	1996 10 06.16737	00 00 19.63	-03 02 28.2		292
1996 TN ₃	1996 10 06.18127	00 00 19.25	-03 02 37.8	18.0	292
1996 TN ₃	1996 10 12.19795	23 56 48.80	-04 10 52.4	19.1	292
1996 TN ₃	1996 10 12.21602	23 56 48.37	-04 11 02.6		292
1996 TN ₃	1996 10 15.06876	23 55 21.99	-04 40 51.0		292
1996 TN ₃	1996 10 15.08961	23 55 21.33	-04 41 04.6	17.9	292
1996 TP ₃₉	1996 09 21.15417	00 11 18.04	-02 13 47.3	18.9	292
1996 TP ₃₉	1996 09 21.16943	00 11 17.36	-02 13 54.1		292
1996 TD ₄₀	1996 10 04.19863	00 03 07.20	-03 24 15.9		292
1996 TD ₄₀	1996 10 04.21462	00 03 06.53	-03 24 22.4	18.4	292
1996 TD ₄₀	1996 10 06.20417	00 01 44.80	-03 33 06.1		292
1996 TD ₄₀	1996 10 06.21944	00 01 44.08	-03 33 10.5	17.9	292
1996 TD ₄₀	1996 10 12.24522	23 57 53.85	-03 57 00.0		292
1996 TD ₄₀	1996 10 12.26988	23 57 52.92	-03 57 03.9	16.7	292
1996 TD ₄₀	1996 10 15.12086	23 56 15.35	-04 06 40.5	18.3	292
1996 TD ₄₀	1996 10 15.14169	23 56 14.57	-04 06 44.5		292
1996 TU ₄₈	1996 09 21.19792	00 12 41.35	+04 09 26.3	18.1	292
1996 TU ₄₈	1996 09 21.21112	00 12 40.70	+04 09 22.4		292
1996 TU ₄₈	1996 10 04.23887	00 01 20.72	+02 52 48.1		292
1996 TU ₄₈	1996 10 04.25211	00 01 19.99	+02 52 46.1	18.0	292
1996 TU ₄₈	1996 10 06.24375	23 59 40.96	+02 40 58.0		292
1996 TU ₄₈	1996 10 06.25832	23 59 40.27	+02 40 53.1	18.2	292
1996 TM ₆₆	* 1996 10 04.23887	00 00 49.10	+02 39 31.1		292
1996 TM ₆₆	1996 10 04.25211	00 00 48.53	+02 39 26.9	17.7	292
1996 TM ₆₆	1996 10 06.24375	23 59 20.17	+02 27 08.1		292
1996 TM ₆₆	1996 10 06.25832	23 59 19.49	+02 27 03.0	17.4	292
1996 TN ₆₆	* 1996 10 04.28123	00 04 15.63	+11 03 45.5	19.0	292
1996 TN ₆₆	1996 10 04.29860	00 04 14.90	+11 03 37.9		292
1996 TN ₆₆	1996 10 06.28751	00 02 52.10	+10 49 21.4	18.3	292
1996 TN ₆₆	1996 10 06.30973	00 02 51.04	+10 49 11.5		292

323 Perth

J. Biggs, Perth Observatory, Bickley, WA 6076, Australia

[rbiggsjd@cc.curtin.edu.au]

Observers G. Lowe, T. Smith

0.3-m astrograph

(3066) 1993 06 23.62917 16 42 47.49 +02 18 30.9 323

327 Peking Observatory, Xinglong StationJ. Zhu, Peking Astronomical Observatory, Chinese Academy of Sciences,
Zhongguancun, Peking 100080, Peoples Republic of China

[jinzhu@sun.ihep.ac.cn]

Observers Z. Y. Zheng, J. Zhu, L. J. Ma, C. M. Ma, Y. J. Chen, X. Y. Li, R. Chen,
L. C. Deng, X. Zhou

Measurers L. J. Ma, Y. J. Chen, C. M. Ma, X. Y. Li, J. Zhu

0.60-m Schmidt + CCD

1979 QR ₂	1997 03 08.72238	12 07 17.25	-01 28 53.8		327
1979 QR ₂	1997 03 08.72642	12 07 17.12	-01 28 52.0		327
1979 QR ₂	1997 03 08.73045	12 07 16.88	-01 28 51.1	18.6	327
1981 EO ₁₉	1996 04 17.54778	08 51 02.33	+12 17 01.9		327
1981 EO ₁₉	1996 04 17.56396	08 51 02.86	+12 17 03.1	19.6 V	327
1981 EO ₁₉	1996 04 17.58043	08 51 03.35	+12 17 03.4		327
1981 EB ₂₁	1997 03 03.62779	09 15 02.75	+14 17 20.8		327
1981 EB ₂₁	1997 03 03.63762	09 15 02.38	+14 17 21.7	18.3	327
1981 EB ₂₁	1997 03 03.64740	09 15 02.00	+14 17 23.3		327
1981 WH	1997 03 15.52997	09 01 49.88	+18 26 02.2	17.2	327
1981 WH	1997 03 15.54503	09 01 49.65	+18 26 04.4		327
1981 WH	1997 03 15.56000	09 01 49.46	+18 26 06.0		327
1984 BS	1997 01 28.81605	10 43 51.38	+14 50 08.5	16.1	327
1984 BS	1997 01 28.83500	10 43 50.62	+14 50 18.5		327
1984 BS	1997 01 28.85406	10 43 49.88	+14 50 28.2		327
1988 SH ₂	1997 03 16.70892	14 42 13.09	+00 05 38.4		327
1988 SH ₂	1997 03 16.71883	14 42 12.93	+00 05 41.0		327
1988 SH ₂	1997 03 16.72843	14 42 12.82	+00 05 42.5	17.6	327
1989 AE	1997 03 15.67571	11 49 46.89	-03 01 22.5	17.5	327
1989 AE	1997 03 15.69353	11 49 45.84	-03 01 16.4		327
1989 AE	1997 03 15.71133	11 49 44.76	-03 01 10.4		327
1989 CJ ₈	1997 03 19.84319	13 48 46.29	+01 37 43.2	15.7	327
1989 CJ ₈	1997 03 19.85343	13 48 46.08	+01 37 49.5		327
1989 CJ ₈	1997 03 19.86316	13 48 45.86	+01 37 55.2		327
1989 CJ ₈	1997 03 22.68271	13 47 47.26	+02 06 39.4		327
1989 CJ ₈	1997 03 22.69291	13 47 46.98	+02 06 45.6		327
1989 CJ ₈	1997 03 22.70311	13 47 46.73	+02 06 51.8	15.5	327
1990 QE ₇	1995 11 26.83674	08 49 41.53	+15 57 01.8		327
1990 QE ₇	1995 11 26.85273	08 49 41.98	+15 56 59.7	17.8 V	327
1990 QE ₇	1995 11 26.86917	08 49 42.50	+15 56 58.2		327
1990 QE ₇	1995 11 26.88539	08 49 43.03	+15 56 55.5		327
1991 BA ₃	1997 03 02.83812	13 42 23.12	+01 43 01.1	17.8	327
1991 BA ₃	1997 03 02.85297	13 42 22.88	+01 43 06.8		327
1991 BA ₃	1997 03 02.86762	13 42 22.75	+01 43 12.5		327
1991 BA ₃	1997 03 18.86029	13 36 34.34	+03 34 36.2		327
1991 BA ₃	1997 03 18.86512	13 36 34.19	+03 34 38.3	17.6	327
1991 BA ₃	1997 03 18.86995	13 36 34.02	+03 34 40.6		327
1991 BA ₃	1997 03 19.67865	13 36 08.92	+03 40 38.3		327
1991 BA ₃	1997 03 19.68862	13 36 08.61	+03 40 43.3	17.0	327
1991 BA ₃	1997 03 19.69848	13 36 08.27	+03 40 47.4		327
1991 BA ₃	1997 03 22.64214	13 34 30.74	+04 02 31.6		327
1991 BA ₃	1997 03 22.65747	13 34 30.19	+04 02 38.5		327
1991 BA ₃	1997 03 22.67300	13 34 29.59	+04 02 45.9	17.2	327
1991 BA ₃	1997 03 28.71295	13 30 46.13	+04 47 05.1	17.4	327

1991 BA ₃	1997 03 28.71823	13 30 45.92	+04 47 07.1		327	1997 AL ₅	1997 03 22.61420	08 42 04.31	+18 15 10.6		327
1991 BA ₃	1997 03 28.72854	13 30 45.48	+04 47 11.7		327	1997 AL ₅	1997 03 22.62417	08 42 04.67	+18 15 06.2	16.0	327
1991 BA ₃	1997 03 28.73380	13 30 45.26	+04 47 14.7	17.1	327	1997 AF ₇	1997 03 15.52997	09 02 05.90	+18 04 45.0	18.4	327
1991 BA ₃	1997 03 28.74366	13 30 44.86	+04 47 18.6		327	1997 AF ₇	1997 03 15.54503	09 02 05.77	+18 04 47.4		327
1991 BA ₃	1997 03 28.74907	13 30 44.68	+04 47 20.5		327	1997 AF ₇	1997 03 15.56000	09 02 05.66	+18 04 49.6		327
1991 VF ₄	1997 03 02.80799	12 25 07.88	+09 03 34.5		327	1997 AS ₁₆	1996 11 08.86076	08 08 10.70	+22 32 01.0	18.7 V	327
1991 VF ₄	1997 03 02.81774	12 25 07.50	+09 03 38.5	17.5	327	1997 AS ₁₆	1996 11 08.87881	08 08 11.19	+22 32 00.7		327
1991 VF ₄	1997 03 02.82743	12 25 07.00	+09 03 42.3		327	1997 AS ₁₆	1996 11 08.89644	08 08 11.64	+22 32 00.6		327
1993 BH ₈	1997 03 08.62986	09 44 17.38	+21 11 56.2	17.2	327	1997 BR	1997 03 14.53715	08 43 33.98	+61 42 07.7	19.0	327
1993 BH ₈	1997 03 08.64681	09 44 16.50	+21 12 01.8		327	1997 BR	1997 03 14.54877	08 43 32.49	+61 42 23.2		327
1993 BH ₈	1997 03 08.66137	09 44 15.88	+21 12 06.7		327	1997 BR	1997 03 15.50528	08 41 36.10	+62 03 51.5	17.2	327
1995 SU ₅₄	1995 12 07.56457	02 26 53.85	+11 52 45.6	16.9 V	327	1997 BR	1997 03 15.50963	08 41 35.55	+62 03 57.5		327
1995 SU ₅₄	1995 12 07.59186	02 26 53.17	+11 52 42.7		327	1997 BR	1997 03 15.51397	08 41 34.86	+62 04 03.7		327
1995 SU ₅₄	1995 12 07.61929	02 26 52.52	+11 52 40.9		327	1997 BR	1997 03 15.51844	08 41 34.36	+62 04 09.5		327
1995 UL ₈	1995 10 15.83962	03 22 30.58	+18 11 59.2	18.0 V	327	1997 BR	1997 03 21.56176	08 31 01.63	+64 01 51.3	18.3	327
1995 UL ₈	1995 10 15.85759	03 22 29.99	+18 11 59.0		327	1997 BR	1997 03 21.56686	08 31 00.80	+64 01 56.2		327
1995 UL ₈	1995 10 15.87501	03 22 29.44	+18 11 58.8		327	1997 BR	1997 03 22.56744	08 29 35.54	+64 18 51.2		327
1995 UL ₈	1995 10 28.70392	03 13 21.78	+18 03 07.0	17.5 V	327	1997 BR	1997 03 22.57734	08 29 34.53	+64 19 01.0		327
1995 UL ₈	1995 10 28.72723	03 13 20.46	+18 03 05.2		327	1997 BR	1997 03 22.58705	08 29 33.64	+64 19 09.3	17.1	327
1995 UL ₈	1995 10 28.74942	03 13 19.19	+18 03 03.1		327	1997 BR	1997 03 27.59476	08 23 54.36	+65 34 51.5		327
1995 VJ	1995 10 15.84402	03 25 06.82	+18 31 27.9		327	1997 BR	1997 03 27.59954	08 23 54.09	+65 34 55.7	17.4	327
1995 VJ	1995 10 15.86192	03 25 06.21	+18 31 27.5		327	1997 BR	1997 03 27.60438	08 23 53.73	+65 34 58.9		327
1995 VJ	1995 10 15.87935	03 25 05.65	+18 31 26.8	18.1 V	327	1997 BR	1997 03 27.60911	08 23 53.46	+65 35 02.8		327
1995 VJ	1995 10 28.70392	03 15 49.88	+18 17 03.0	18.1 V	327	1997 BR	1997 04 16.53199	08 25 17.39	+69 12 37.1		327
1995 VJ	1995 10 28.72723	03 15 48.63	+18 17 00.8		327	1997 BR	1997 04 16.53633	08 25 17.61	+69 12 39.0	19.0	327
1995 VJ	1995 10 28.74942	03 15 47.44	+18 16 57.8		327	1997 BR	1997 04 16.54072	08 25 17.83	+69 12 41.5		327
1995 VU ₁	1997 03 03.79803	13 28 52.00	+12 12 49.8	16.9	327	1997 BR	1997 04 16.54505	08 25 17.93	+69 12 43.2		327
1995 VU ₁	1997 03 03.80766	13 28 51.75	+12 12 53.1		327	1997 CS ₆	1997 02 17.70752	09 18 14.88	+16 36 25.0	18.2	327
1995 VU ₁	1997 03 03.81738	13 28 51.50	+12 12 56.2		327	1997 CS ₆	1997 02 17.72216	09 18 14.12	+16 36 30.7		327
1995 WX ₃	1997 03 19.62705	13 05 02.94	-01 47 55.3		327	1997 CS ₆	1997 02 17.73685	09 18 13.25	+16 36 35.2		327
1995 WX ₃	1997 03 19.64191	13 05 02.12	-01 47 55.3	15.6	327	1997 CG ₁₆	1997 03 11.68128	10 07 52.38	+12 40 48.1		327
1995 WX ₃	1997 03 19.65709	13 05 01.31	-01 47 54.7		327	1997 CG ₁₆	1997 03 11.69596	10 07 51.75	+12 40 54.2	18.6	327
1995 XT	1997 03 29.70409	12 29 03.35	+00 25 48.5	16.9	327	1997 CG ₁₆	1997 03 11.71086	10 07 51.00	+12 40 59.6		327
1995 XT	1997 03 29.71372	12 29 02.90	+00 25 51.4		327	1997 CR ₂₁	1997 03 15.52997	09 00 19.37	+18 49 31.4	18.4	327
1995 XT	1997 03 29.72343	12 29 02.46	+00 25 54.3		327	1997 CR ₂₁	1997 03 15.54503	09 00 19.15	+18 49 32.5		327
1995 XT	1997 03 30.71159	12 28 17.64	+00 30 51.8	17.0	327	1997 CR ₂₁	1997 03 15.56000	09 00 18.94	+18 49 34.0		327
1995 XT	1997 03 30.77694	12 28 14.64	+00 31 11.1		327	1997 CB ₂₉	1997 03 11.68128	10 07 16.25	+12 52 14.2	18.9	327
1995 XT	1997 03 30.78565	12 28 14.19	+00 31 14.2		327	1997 CB ₂₉	1997 03 11.69596	10 07 15.75	+12 52 19.1		327
1995 XP ₂	1997 03 29.73333	13 00 47.87	-07 40 31.8	17.9	327	1997 CB ₂₉	1997 03 11.71086	10 07 15.00	+12 52 24.2		327
1995 XP ₂	1997 03 29.73766	13 00 47.59	-07 40 30.4		327	1997 EK	1997 04 11.52376	11 01 45.42	+11 07 41.4		327
1995 XP ₂	1997 03 29.74242	13 00 47.35	-07 40 28.5		327	1997 EK	1997 04 11.53483	11 01 44.96	+11 07 38.6	17.3	327
1995 XP ₂	1997 03 29.74683	13 00 47.07	-07 40 26.5		327	1997 EK	1997 04 11.56892	11 01 43.90	+11 07 32.4		327
1996 EU ₂	1997 02 20.71264	11 14 14.75	-18 01 48.7	17.3	327	1997 EK	1997 04 13.65899	11 00 44.04	+11 00 58.3		327
1996 EU ₂	1997 02 20.72222	11 14 14.25	-18 01 46.7		327	1997 EK	1997 04 13.67519	11 00 43.58	+11 00 55.1	17.6	327
1996 EU ₂	1997 02 20.73221	11 14 13.88	-18 01 46.3		327	1997 EK	1997 04 13.69112	11 00 43.12	+11 00 52.0		327
1996 YK ₂	1997 03 03.57572	08 17 58.20	+30 11 10.4		327	1997 ER ₃	1997 03 08.72238	12 06 08.50	-01 11 44.8		327
1996 YK ₂	1997 03 03.59097	08 17 57.95	+30 11 04.2		327	1997 ER ₃	1997 03 08.72642	12 06 08.25	-01 11 43.3	19.3	327
1996 YK ₂	1997 03 03.60650	08 17 57.69	+30 10 58.0	17.1	327	1997 ER ₃	1997 03 08.73045	12 06 08.00	-01 11 42.5		327
1997 AU ₄	1995 11 07.48884	00 08 30.37	+02 37 26.7	16.7 V	327	1997 EO ₆	1997 03 08.72238	12 09 06.50	-01 15 45.3		327
1997 AU ₄	1995 11 07.52256	00 08 29.93	+02 37 22.2		327	1997 EO ₆	1997 03 08.72642	12 09 06.25	-01 15 44.0	17.3	327
1997 AU ₄	1995 11 07.55194	00 08 29.58	+02 37 17.7		327	1997 EO ₆	1997 03 08.73045	12 09 06.00	-01 15 42.6		327
1997 AL ₅	1997 03 22.60435	08 42 03.97	+18 15 15.5		327	1997 EB ₉	1997 03 08.72238	12 06 05.62	-00 59 17.8		327

1997 EB ₉	1997 03 08.72642	12 06 05.38	-00 59 17.1	18.5	327	1997 EK ₃₈	1997 02 06.71387	09 32 49.38	+14 32 33.5		327
1997 EB ₉	1997 03 08.73045	12 06 05.12	-00 59 16.8		327	1997 EZ ₃₈	1997 02 06.67060	09 28 28.62	+15 20 14.3	17.0	327
1997 EN ₁₁	1997 03 15.72220	11 12 40.02	+24 31 02.4		327	1997 EZ ₃₈	1997 02 06.68946	09 28 27.38	+15 20 15.1		327
1997 EN ₁₁	1997 03 15.73745	11 12 39.36	+24 31 08.5		327	1997 EZ ₃₈	1997 02 06.70906	09 28 26.00	+15 20 15.6		327
1997 EN ₁₁	1997 03 15.75264	11 12 38.59	+24 31 13.8	17.8	327	1997 ED ₃₉	1997 03 03.62779	09 13 16.75	+15 03 09.2		327
1997 EO ₁₁	1997 03 15.72220	11 12 59.53	+24 22 24.2	18.0	327	1997 ED ₃₉	1997 03 03.63762	09 13 16.25	+15 03 07.7	18.2	327
1997 EO ₁₁	1997 03 15.73745	11 12 58.76	+24 22 29.3		327	1997 ED ₃₉	1997 03 03.64740	09 13 15.75	+15 03 06.0		327
1997 EO ₁₁	1997 03 15.75264	11 12 58.01	+24 22 33.4		327	1997 ES ₃₉	1997 02 17.71229	09 24 45.12	+14 18 00.7	17.6	327
1997 EQ ₁₁	1997 03 18.77769	15 39 08.43	+00 48 05.8	18.2	327	1997 ES ₃₉	1997 02 17.72714	09 24 44.25	+14 18 01.2		327
1997 EQ ₁₁	1997 03 18.79314	15 39 08.66	+00 48 17.6		327	1997 ES ₃₉	1997 02 17.74177	09 24 43.38	+14 18 01.6		327
1997 EQ ₁₁	1997 03 18.80823	15 39 08.90	+00 48 29.8		327	1997 ED ₄₀	1997 03 15.53969	09 01 19.60	+14 18 19.0	18.5	327
1997 EQ ₁₁	1997 03 22.74919	15 40 03.32	+01 40 56.3		327	1997 ED ₄₀	1997 03 15.55505	09 01 19.29	+14 18 22.2		327
1997 EQ ₁₁	1997 03 22.76432	15 40 03.42	+01 41 08.5		327	1997 ED ₄₀	1997 03 15.56986	09 01 19.01	+14 18 25.6		327
1997 EQ ₁₁	1997 03 22.78075	15 40 03.55	+01 41 21.7	18.4	327	1997 EW ₄₅	* 1997 03 09.86289	13 41 07.88	+02 53 00.6	17.3	327
1997 EE ₂₃	1997 03 16.67740	13 39 24.84	+03 27 19.6		327	1997 EW ₄₅	1997 03 09.87723	13 41 07.62	+02 53 05.0		327
1997 EE ₂₃	1997 03 16.68830	13 39 24.36	+03 27 24.6	17.5	327	1997 EW ₄₅	1997 03 09.89288	13 41 07.38	+02 53 10.3		327
1997 EE ₂₃	1997 03 16.69854	13 39 24.09	+03 27 30.1		327	1997 EW ₄₅	1997 03 16.67740	13 38 55.69	+03 33 25.7	17.0	327
1997 EE ₂₃	1997 03 18.86029	13 38 00.21	+03 41 44.5		327	1997 EW ₄₅	1997 03 16.68830	13 38 55.38	+03 33 29.5		327
1997 EE ₂₃	1997 03 18.86512	13 38 00.00	+03 41 46.4	17.8	327	1997 EW ₄₅	1997 03 16.69854	13 38 55.09	+03 33 33.3		327
1997 EE ₂₃	1997 03 18.86995	13 37 59.81	+03 41 48.3		327	1997 EW ₄₅	1997 03 18.86029	13 37 55.25	+03 46 48.1		327
1997 EE ₂₃	1997 03 22.64214	13 35 19.27	+04 06 43.4		327	1997 EW ₄₅	1997 03 18.86512	13 37 55.10	+03 46 49.9	17.0	327
1997 EE ₂₃	1997 03 22.65747	13 35 18.57	+04 06 49.7		327	1997 EW ₄₅	1997 03 18.86995	13 37 54.95	+03 46 51.8		327
1997 EE ₂₃	1997 03 22.67300	13 35 17.83	+04 06 56.0	17.4	327	1997 EW ₄₅	1997 03 22.64214	13 35 53.45	+04 10 02.6	16.9	327
1997 EE ₂₃	1997 03 28.71295	13 30 25.52	+04 45 51.6	17.9	327	1997 EW ₄₅	1997 03 22.65747	13 35 52.87	+04 10 07.7		327
1997 EE ₂₃	1997 03 28.72854	13 30 24.65	+04 45 56.8		327	1997 EW ₄₅	1997 03 22.67300	13 35 52.29	+04 10 13.5		327
1997 EE ₂₃	1997 03 28.74366	13 30 23.88	+04 46 02.1		327	1997 EW ₄₅	1997 03 28.71295	13 31 54.33	+04 46 20.2		327
1997 EE ₂₃	1997 04 02.69017	13 26 00.82	+05 15 53.0	17.1	327	1997 EW ₄₅	1997 03 28.72854	13 31 53.57	+04 46 25.8	17.0	327
1997 EE ₂₃	1997 04 02.71029	13 25 59.67	+05 16 00.1		327	1997 EW ₄₅	1997 03 28.74366	13 31 52.89	+04 46 30.9		327
1997 EE ₂₃	1997 04 02.72539	13 25 58.80	+05 16 05.1		327	1997 EW ₄₅	1997 03 30.80944	13 30 21.35	+04 58 14.8	16.4	327
1997 EE ₂₃	1997 04 13.76399	13 15 40.09	+06 10 41.5		327	1997 EW ₄₅	1997 03 30.82441	13 30 20.62	+04 58 20.1		327
1997 EE ₂₃	1997 04 13.77277	13 15 39.60	+06 10 43.8		327	1997 EW ₄₅	1997 03 30.83956	13 30 19.91	+04 58 25.8		327
1997 EE ₂₃	1997 04 13.78207	13 15 39.08	+06 10 46.0	17.5	327	1997 EW ₄₅	1997 04 02.69017	13 28 07.41	+05 13 49.7		327
1997 EF ₂₃	1997 02 13.50103	06 12 50.88	+29 50 57.2		327	1997 EW ₄₅	1997 04 02.71029	13 28 06.42	+05 13 55.9	16.5	327
1997 EF ₂₃	1997 02 13.51527	06 12 51.00	+29 50 52.5	18.4	327	1997 EW ₄₅	1997 04 02.72539	13 28 05.65	+05 14 00.7		327
1997 EF ₂₃	1997 02 13.52947	06 12 51.00	+29 50 47.7		327	1997 EW ₄₅	1997 04 13.75919	13 18 53.40	+06 01 04.3		327
1997 EM ₂₃	1997 03 15.72220	11 11 17.75	+24 26 56.4	17.4	327	1997 EW ₄₅	1997 04 13.76840	13 18 52.92	+06 01 06.0	16.4	327
1997 EM ₂₃	1997 03 15.73745	11 11 16.95	+24 27 00.2		327	1997 EW ₄₅	1997 04 13.77769	13 18 52.44	+06 01 07.7		327
1997 EM ₂₃	1997 03 15.75264	11 11 16.16	+24 27 04.3		327	1997 EW ₄₅	1997 04 15.71074	13 17 15.66	+06 06 45.0	16.8	327
1997 EM ₂₃	1997 03 19.61083	11 08 02.26	+24 42 53.9	17.0	327	1997 EW ₄₅	1997 04 15.72053	13 17 15.16	+06 06 46.6		327
1997 EM ₂₃	1997 03 19.61600	11 08 02.06	+24 42 55.1		327	1997 EW ₄₅	1997 04 15.73053	13 17 14.65	+06 06 48.1		327
1997 EM ₂₃	1997 03 19.62074	11 08 01.81	+24 42 55.9		327	1997 EX ₄₅	* 1997 03 15.68139	13 08 30.56	-01 27 10.1	17.4	327
1997 EK ₃₅	1997 02 17.70752	09 17 19.25	+16 48 35.3		327	1997 EX ₄₅	1997 03 15.69927	13 08 29.79	-01 27 04.1		327
1997 EK ₃₅	1997 02 17.72216	09 17 18.38	+16 48 40.7		327	1997 EX ₄₅	1997 03 15.71671	13 08 29.05	-01 26 58.2		327
1997 EK ₃₅	1997 02 17.73685	09 17 17.50	+16 48 46.3	17.9	327	1997 EX ₄₅	1997 03 18.70779	13 06 20.64	-01 09 37.7		327
1997 EQ ₃₅	1997 02 06.67060	09 29 21.62	+15 00 50.1		327	1997 EX ₄₅	1997 03 18.71750	13 06 20.21	-01 09 34.3	17.5	327
1997 EQ ₃₅	1997 02 06.68946	09 29 20.50	+15 00 57.6	17.8	327	1997 EX ₄₅	1997 03 18.72750	13 06 19.74	-01 09 30.8		327
1997 EQ ₃₅	1997 02 06.70906	09 29 19.25	+15 01 05.5		327	1997 EX ₄₅	1997 03 19.62705	13 05 39.47	-01 04 11.8	17.3	327
1997 EH ₃₆	1997 03 03.62293	09 11 02.50	+16 47 47.3		327	1997 EX ₄₅	1997 03 19.64191	13 05 38.73	-01 04 07.2		327
1997 EH ₃₆	1997 03 03.63285	09 11 02.00	+16 47 52.5	18.2	327	1997 EX ₄₅	1997 03 19.65709	13 05 37.99	-01 04 01.5		327
1997 EH ₃₆	1997 03 03.64244	09 11 01.62	+16 47 56.7		327	1997 EX ₄₅	1997 03 28.63520	12 58 18.29	-00 10 11.7		327
1997 EK ₃₈	1997 02 06.67539	09 32 51.38	+14 32 23.0	19.0	327	1997 EX ₄₅	1997 03 28.64544	12 58 17.75	-00 10 08.2		327
1997 EK ₃₈	1997 02 06.69485	09 32 50.38	+14 32 28.2		327	1997 EX ₄₅	1997 03 28.65569	12 58 17.16	-00 10 04.6	17.2	327

1997 EX ₄₅	1997 03 30.73719	12 56 28.85	+00 02 16.1		327	1997 FE	1997 03 08.87736	15 37 03.38	-00 04 58.8	17.2	327
1997 EX ₄₅	1997 03 30.75787	12 56 27.76	+00 02 23.5	17.1	327	1997 FE	1997 03 08.88706	15 37 03.62	-00 04 56.3		327
1997 EX ₄₅	1997 03 30.79435	12 56 25.78	+00 02 35.8		327	1997 FE	1997 03 08.89672	15 37 04.00	-00 04 54.1		327
1997 EY ₄₅	* 1997 03 15.68139	13 08 58.47	-01 15 47.2	17.0	327	1997 FE	* 1997 03 18.77264	15 41 13.75	+00 37 41.0		327
1997 EY ₄₅	1997 03 15.69927	13 08 57.60	-01 15 41.8		327	1997 FE	1997 03 18.78806	15 41 13.99	+00 37 45.4	16.9	327
1997 EY ₄₅	1997 03 15.71671	13 08 56.80	-01 15 36.5		327	1997 FE	1997 03 18.80321	15 41 14.23	+00 37 49.5		327
1997 EY ₄₅	1997 03 18.70779	13 06 37.57	-00 59 44.4		327	1997 FE	1997 03 19.76369	15 41 29.82	+00 42 20.2	16.9	327
1997 EY ₄₅	1997 03 18.71750	13 06 37.09	-00 59 41.4	17.3	327	1997 FE	1997 03 19.77362	15 41 29.95	+00 42 23.3		327
1997 EY ₄₅	1997 03 18.72750	13 06 36.55	-00 59 38.2		327	1997 FE	1997 03 19.78560	15 41 30.11	+00 42 27.0		327
1997 EY ₄₅	1997 03 19.62705	13 05 52.85	-00 54 46.4	16.7	327	1997 FF	* 1997 03 18.77769	15 39 53.68	+00 21 40.3	18.4	327
1997 EY ₄₅	1997 03 19.64191	13 05 52.08	-00 54 41.3		327	1997 FF	1997 03 18.79314	15 39 53.63	+00 21 32.0		327
1997 EY ₄₅	1997 03 19.65709	13 05 51.31	-00 54 36.9		327	1997 FF	1997 03 18.80823	15 39 53.62	+00 21 24.6		327
1997 EY ₄₅	1997 03 30.73719	12 55 55.44	+00 05 36.1		327	1997 FF	1997 03 19.76369	15 39 53.08	+00 13 23.9	17.4	327
1997 EY ₄₅	1997 03 30.75787	12 55 54.22	+00 05 42.0	16.9	327	1997 FF	1997 03 19.77362	15 39 53.04	+00 13 19.0		327
1997 EY ₄₅	1997 03 30.79435	12 55 52.12	+00 05 52.9		327	1997 FF	1997 03 19.78560	15 39 52.97	+00 13 13.0		327
1997 EZ ₄₅	* 1997 03 15.68139	13 09 42.91	-01 33 57.0	18.3	327	1997 FF	1997 04 02.81813	15 34 52.22	-01 59 11.9		327
1997 EZ ₄₅	1997 03 15.69927	13 09 42.18	-01 33 49.1		327	1997 FF	1997 04 02.82306	15 34 51.99	-01 59 14.9	20.5	327
1997 EZ ₄₅	1997 03 15.71671	13 09 41.41	-01 33 42.0		327	1997 FF	1997 04 02.82781	15 34 51.72	-01 59 17.8		327
1997 EZ ₄₅	1997 03 18.70779	13 07 37.95	-01 12 21.0		327	1997 FF	1997 04 02.83250	15 34 51.55	-01 59 21.5		327
1997 EZ ₄₅	1997 03 18.71750	13 07 37.47	-01 12 16.2		327	1997 FG	* 1997 03 19.73390	15 05 22.47	+04 20 26.2	17.5	327
1997 EZ ₄₅	1997 03 18.72750	13 07 37.01	-01 12 12.6	18.1	327	1997 FG	1997 03 19.74378	15 05 22.42	+04 20 30.0		327
1997 EA ₄₆	* 1997 03 15.72741	11 16 08.53	+24 19 58.7	16.7	327	1997 FG	1997 03 19.75369	15 05 22.35	+04 20 33.8		327
1997 EA ₄₆	1997 03 15.74267	11 16 07.57	+24 20 00.6		327	1997 FG	1997 03 21.79907	15 05 09.96	+04 34 16.6		327
1997 EA ₄₆	1997 03 15.75787	11 16 06.60	+24 20 01.9		327	1997 FG	1997 03 21.81356	15 05 09.81	+04 34 22.4		327
1997 EA ₄₆	1997 03 18.58089	11 13 15.23	+24 23 08.5	16.7	327	1997 FG	1997 03 21.82801	15 05 09.66	+04 34 28.0	17.6	327
1997 EA ₄₆	1997 03 18.59565	11 13 14.36	+24 23 09.9		327	1997 FG	1997 03 28.77990	15 03 43.12	+05 21 36.7		327
1997 EA ₄₆	1997 03 18.61216	11 13 13.32	+24 23 10.0		327	1997 FG	1997 03 28.78950	15 03 43.02	+05 21 40.6		327
1997 EF ₄₆	* 1997 03 09.85807	13 35 00.25	+03 03 04.8	18.7	327	1997 FG	1997 03 28.79928	15 03 42.84	+05 21 44.6	17.8	327
1997 EF ₄₆	1997 03 09.87248	13 35 00.00	+03 03 09.6		327	1997 FH	* 1997 03 20.68734	13 05 08.71	+00 57 45.1		327
1997 EF ₄₆	1997 03 09.88819	13 34 59.50	+03 03 15.8		327	1997 FH	1997 03 20.69207	13 05 08.42	+00 57 46.2	16.0	327
1997 EF ₄₆	1997 03 19.67345	13 29 29.46	+04 02 41.0		327	1997 FH	1997 03 20.69689	13 05 08.17	+00 57 47.1		327
1997 EF ₄₆	1997 03 19.68362	13 29 29.03	+04 02 44.8	18.3	327	1997 FH	1997 03 20.70172	13 05 07.93	+00 57 47.8		327
1997 EF ₄₆	1997 03 19.69360	13 29 28.60	+04 02 48.8		327	1997 FH	1997 03 21.66226	13 04 17.26	+01 01 11.7		327
1997 EF ₄₆	1997 03 29.68542	13 21 34.01	+05 02 49.2	18.0	327	1997 FH	1997 03 21.67193	13 04 16.74	+01 01 13.7	16.5	327
1997 EF ₄₆	1997 03 29.68975	13 21 33.77	+05 02 51.1		327	1997 FH	1997 03 21.68184	13 04 16.18	+01 01 15.7		327
1997 EF ₄₆	1997 03 29.69409	13 21 33.60	+05 02 52.3		327	1997 FH	1997 03 22.63198	13 03 25.03	+01 04 36.7	16.2	327
1997 EF ₄₆	1997 03 29.69845	13 21 33.33	+05 02 53.4		327	1997 FH	1997 03 22.64742	13 03 24.13	+01 04 40.3		327
1997 EF ₄₆	1997 04 02.70094	13 17 57.26	+05 24 46.1		327	1997 FH	1997 03 22.66289	13 03 23.24	+01 04 43.5		327
1997 EF ₄₆	1997 04 02.71997	13 17 56.12	+05 24 52.7		327	1997 FJ	* 1997 03 21.80391	14 59 46.63	+04 30 18.8		327
1997 EF ₄₆	1997 04 02.73432	13 17 55.40	+05 24 56.1	17.9	327	1997 FJ	1997 03 21.81845	14 59 46.48	+04 30 22.9		327
1997 EG ₄₆	* 1997 03 15.68139	13 07 55.74	-00 56 09.3	16.7	327	1997 FJ	1997 03 21.83287	14 59 46.33	+04 30 27.6	17.5	327
1997 EG ₄₆	1997 03 15.69927	13 07 54.99	-00 56 06.0		327	1997 FJ	1997 03 22.71396	14 59 36.91	+04 34 31.0	17.9	327
1997 EG ₄₆	1997 03 15.71671	13 07 54.26	-00 56 03.0		327	1997 FJ	1997 03 22.72446	14 59 36.73	+04 34 35.1		327
1997 EG ₄₆	1997 03 18.70779	13 05 48.75	-00 47 07.4		327	1997 FJ	1997 03 22.73447	14 59 36.65	+04 34 36.9		327
1997 EG ₄₆	1997 03 18.71750	13 05 48.39	-00 47 04.9	16.7	327	1997 FJ	1997 04 02.74015	14 55 42.07	+05 23 58.9		327
1997 EG ₄₆	1997 03 18.72750	13 05 47.95	-00 47 03.2		327	1997 FJ	1997 04 02.74987	14 55 41.77	+05 24 02.1	18.4	327
1997 EG ₄₆	1997 03 28.63520	12 58 12.32	-00 16 37.3	16.6	327	1997 FJ	1997 04 02.75987	14 55 41.48	+05 24 03.9		327
1997 EG ₄₆	1997 03 28.64544	12 58 11.84	-00 16 35.3		327	1997 FM	* 1997 03 21.80883	15 06 07.17	+03 30 15.1		327
1997 EG ₄₆	1997 03 28.65569	12 58 11.36	-00 16 33.6		327	1997 FM	1997 03 21.82330	15 06 07.13	+03 30 22.0	17.9	327
1997 EG ₄₆	1997 03 30.73719	12 56 30.46	-00 10 17.5	16.6	327	1997 FM	1997 03 21.83775	15 06 07.01	+03 30 28.3		327
1997 EG ₄₆	1997 03 30.75787	12 56 29.40	-00 10 13.6		327	1997 FM	1997 03 22.72938	15 06 01.31	+03 36 52.4	18.1	327
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1997 FM	1997 03 22.74406	15 06 01.23	+03 36 59.0	327	1997 FX	1997 03 19.65190	12 48 52.07	-02 58 22.4	17.7	327
1997 FM	1997 03 28.77514	15 04 47.48	+04 21 03.2	327	1997 FX	1997 03 19.66721	12 48 51.33	-02 58 20.0		327
1997 FM	1997 03 28.78483	15 04 47.29	+04 21 07.7	327	1997 FX	1997 03 28.63016	12 41 23.68	-02 37 12.6		327
1997 FM	1997 03 28.79432	15 04 47.11	+04 21 11.4	17.7	327	1997 FX	1997 03 28.64032	12 41 23.19	-02 37 12.0	17.7
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1997 FN	1997 03 22.69291	13 48 25.57	+02 28 48.2	17.5	327	1997 FY	* 1997 03 27.66722	12 19 09.60	-02 05 27.4	327
1997 FN	1997 03 22.70311	13 48 25.20	+02 28 50.0	327	1997 FY	1997 03 27.68174	12 19 08.89	-02 05 23.4	16.5	327
1997 FN	1997 03 23.68262	13 47 46.64	+02 32 13.6	327	1997 FY	1997 03 27.69639	12 19 08.17	-02 05 19.2		327
1997 FN	1997 03 23.68743	13 47 46.41	+02 32 14.9	17.9	327	1997 FY	1997 03 28.61076	12 18 23.95	-02 01 02.5	16.5
1997 FN	1997 03 23.69257	13 47 46.28	+02 32 15.7	327	1997 FY	1997 03 28.61510	12 18 23.73	-02 01 01.3		327
1997 FN	1997 03 28.75574	13 44 13.35	+02 49 31.3	327	1997 FY	1997 03 28.62058	12 18 23.45	-02 00 59.6		327
1997 FN	1997 03 28.76017	13 44 13.22	+02 49 32.3	327	1997 FY	1997 03 28.62493	12 18 23.25	-02 00 58.4		327
1997 FN	1997 03 28.76463	13 44 12.98	+02 49 32.2	18.3	327	1997 FY	1997 03 30.72703	12 16 41.59	-01 51 10.7	327
1997 FN	1997 03 28.76928	13 44 12.80	+02 49 34.0	327	1997 FY	1997 03 30.74766	12 16 40.58	-01 51 05.2	16.7	327
1997 FO	* 1997 03 19.55787	12 06 09.80	+11 00 04.0	327	1997 FY	1997 03 30.76825	12 16 39.56	-01 50 59.4		327
1997 FO	1997 03 19.60036	12 06 07.65	+11 00 12.0	327	1997 FZ	* 1997 03 28.61076	12 19 41.17	-02 12 39.4		327
1997 FO	1997 03 19.60521	12 06 07.39	+11 00 12.9	16.4	327	1997 FZ	1997 03 28.61510	12 19 40.99	-02 12 38.4	327
1997 FO	1997 03 26.65286	12 00 12.83	+11 18 55.1	16.5	327	1997 FZ	1997 03 28.62058	12 19 40.77	-02 12 36.8	327
1997 FO	1997 03 26.65770	12 00 12.52	+11 18 55.7	327	1997 FZ	1997 03 28.62493	12 19 40.54	-02 12 35.2	17.6	327
1997 FO	1997 03 26.66248	12 00 12.33	+11 18 56.4	327	1997 FZ	1997 03 30.72703	12 18 08.03	-02 02 13.8		327
1997 FO	1997 03 26.66795	12 00 12.05	+11 18 57.5	327	1997 FZ	1997 03 30.74766	12 18 07.11	-02 02 07.9	19.2	327
1997 FO	1997 04 06.58556	11 51 34.93	+11 35 04.6	327	1997 FA ₁	* 1997 03 28.61076	12 20 01.48	-01 32 36.4		327
1997 FO	1997 04 06.59972	11 51 34.30	+11 35 05.2	327	1997 FA ₁	1997 03 28.61510	12 20 01.26	-01 32 34.4		327
1997 FO	1997 04 06.61437	11 51 33.64	+11 35 06.0	16.9	327	1997 FA ₁	1997 03 28.62493	12 20 00.81	-01 32 30.3	18.2
1997 FP	* 1997 03 20.68734	13 06 07.96	+00 51 35.0	327	1997 FA ₁	1997 03 30.72703	12 18 12.34	-01 19 42.7	18.9	327
1997 FP	1997 03 20.69207	13 06 07.65	+00 51 36.3	17.7	327	1997 FA ₁	1997 03 30.74766	12 18 11.12	-01 19 34.5	327
1997 FP	1997 03 20.70172	13 06 07.20	+00 51 38.3	327	1997 FB ₁	* 1997 03 28.70784	13 19 53.78	+04 33 53.6		327
1997 FP	1997 03 21.66226	13 05 19.18	+00 55 08.7	327	1997 FB ₁	1997 03 28.72338	13 19 52.99	+04 33 59.3	17.2	327
1997 FP	1997 03 21.67193	13 05 18.71	+00 55 10.3	327	1997 FB ₁	1997 03 28.73875	13 19 52.11	+04 34 05.4		327
1997 FP	1997 03 21.68184	13 05 18.21	+00 55 12.6	18.5	327	1997 FB ₁	1997 03 30.79968	13 18 01.31	+04 47 58.4	17.6
1997 FP	1997 04 13.70082	12 44 53.50	+02 06 33.0	18.8	327	1997 FB ₁	1997 03 30.81457	13 18 00.47	+04 48 05.0	327
1997 FP	1997 04 13.71142	12 44 52.89	+02 06 35.4	327	1997 FB ₁	1997 03 30.82951	13 17 59.66	+04 48 09.9		327
1997 FP	1997 04 13.72155	12 44 52.32	+02 06 37.4	327	1997 FB ₁	1997 03 30.84469	13 17 58.93	+04 48 14.5		327
1997 FV	* 1997 03 18.82565	13 36 29.90	+02 33 37.3	327	1997 FC ₁	* 1997 03 28.70784	13 23 36.65	+04 17 10.9		327
1997 FV	1997 03 18.84030	13 36 29.41	+02 33 47.1	18.3	327	1997 FC ₁	1997 03 28.72338	13 23 35.86	+04 17 18.0	327
1997 FV	1997 03 18.85547	13 36 28.93	+02 33 58.4	327	1997 FC ₁	1997 03 28.73875	13 23 35.11	+04 17 25.4	16.8	327
1997 FV	1997 03 28.71823	13 30 22.16	+04 30 25.4	17.8	327	1997 FC ₁	1997 03 30.80440	13 21 55.29	+04 34 14.6	17.0
1997 FV	1997 03 28.73380	13 30 21.47	+04 30 36.1	327	1997 FC ₁	1997 03 30.81953	13 21 54.55	+04 34 21.5		327
1997 FV	1997 03 28.74907	13 30 20.80	+04 30 46.9	327	1997 FC ₁	1997 03 30.83438	13 21 53.76	+04 34 28.9		327
1997 FV	1997 04 02.69017	13 26 36.42	+05 27 49.7	17.7	327	1997 FC ₁	1997 04 15.71543	13 08 15.14	+06 22 18.2	17.3
1997 FV	1997 04 02.71029	13 26 35.44	+05 28 03.2	327	1997 FC ₁	1997 04 15.72537	13 08 14.60	+06 22 21.4		327
1997 FV	1997 04 02.72539	13 26 34.64	+05 28 13.8	327	1997 FC ₁	1997 04 15.73554	13 08 14.07	+06 22 24.7		327
1997 FW	* 1997 03 18.86029	13 37 29.38	+04 04 02.6	327	1997 FD ₁	* 1997 03 29.65714	09 41 11.20	+17 03 30.1	19.9	327
1997 FW	1997 03 18.86512	13 37 29.16	+04 04 04.3	18.4	327	1997 FD ₁	1997 03 29.66701	09 41 10.82	+17 03 17.0	327
1997 FW	1997 03 18.86995	13 37 28.88	+04 04 05.2	327	1997 FD ₁	1997 03 29.67667	09 41 10.52	+17 03 06.2		327
1997 FW	1997 03 28.71823	13 28 30.73	+04 48 40.8	327	1997 FD ₁	1997 03 30.57057	09 40 43.12	+16 45 11.6	19.7	327
1997 FW	1997 03 28.73380	13 28 29.80	+04 48 44.0	17.8	327	1997 FD ₁	1997 03 30.57490	09 40 42.94	+16 45 06.4	327
1997 FW	1997 03 28.74907	13 28 28.88	+04 48 48.5	327	1997 FD ₁	1997 03 30.57925	09 40 42.76	+16 45 02.4		327
1997 FW	1997 04 02.69560	13 23 31.42	+05 08 40.8	327	1997 FE ₁	* 1997 03 29.70409	12 30 00.34	+00 09 24.1	17.7	327
1997 FW	1997 04 02.71556	13 23 30.22	+05 08 45.4	18.0	327	1997 FE ₁	1997 03 29.71372	12 29 59.74	+00 09 26.2	327
1997 FW	1997 04 02.72992	13 23 29.25	+05 08 48.5	327	1997 FE ₁	1997 03 29.72343	12 29 59.21	+00 09 30.3		327
1997 FX	* 1997 03 19.63699	12 48 52.85	-02 58 24.1	327	1997 FE ₁	1997 03 30.71159	12 29 07.09	+00 13 08.3		327

1997 FE ₁	1997 03 30.77694	12 29 03.50	+00 13 22.7	17.9	327	1997 FB ₂	1997 04 15.73554	13 07 32.39	+06 44 34.8	327
1997 FE ₁	1997 03 30.78565	12 29 03.07	+00 13 24.7		327	1997 FS ₄	* 1997 03 28.82922	14 59 50.11	+04 56 34.4	327
1997 FE ₁	1997 04 13.70595	12 17 26.69	+00 58 20.5		327	1997 FS ₄	1997 03 28.83355	14 59 49.88	+04 56 32.8	17.3 327
1997 FE ₁	1997 04 13.71650	12 17 26.16	+00 58 21.7	18.1	327	1997 FS ₄	1997 03 28.83788	14 59 49.63	+04 56 31.3	327
1997 FE ₁	1997 04 13.72655	12 17 25.69	+00 58 23.3		327	1997 FS ₄	1997 03 28.84229	14 59 49.39	+04 56 30.5	327
1997 FF ₁	* 1997 03 29.70409	12 31 45.25	+00 17 29.5	17.3	327	1997 FS ₄	1997 04 02.74503	14 55 04.22	+04 28 15.0	327
1997 FF ₁	1997 03 29.71372	12 31 44.68	+00 17 31.1		327	1997 FS ₄	1997 04 02.75464	14 55 03.58	+04 28 11.5	327
1997 FF ₁	1997 03 29.72343	12 31 44.09	+00 17 33.2		327	1997 FS ₄	1997 04 02.76473	14 55 02.94	+04 28 07.8	17.5 327
1997 FF ₁	1997 03 30.71159	12 30 45.68	+00 21 33.2	17.5	327	1997 FS ₄	1997 04 13.78669	14 41 21.56	+03 07 53.5	327
1997 FF ₁	1997 03 30.77694	12 30 41.69	+00 21 49.4		327	1997 FS ₄	1997 04 13.79103	14 41 21.18	+03 07 51.4	16.8 327
1997 FF ₁	1997 03 30.78565	12 30 41.10	+00 21 51.7		327	1997 FS ₄	1997 04 13.79536	14 41 20.82	+03 07 49.3	327
1997 FW ₁	* 1997 03 28.66713	11 05 19.95	+20 18 33.6	17.7	327	1997 FS ₄	1997 04 13.79969	14 41 20.45	+03 07 47.0	327
1997 FW ₁	1997 03 28.68189	11 05 19.20	+20 18 33.0		327	1997 FS ₄	1997 04 16.74979	14 37 06.24	+02 41 50.9	16.7 327
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1997 FW ₁	1997 04 02.65244	11 01 45.08	+20 14 13.4		327	1997 FS ₄	1997 04 16.76719	14 37 04.68	+02 41 41.0	327
1997 FW ₁	1997 04 02.66412	11 01 44.57	+20 14 12.4	17.6	327	1997 GN	1997 04 06.68701	13 04 19.81	-06 46 49.1	16.9 327
1997 FW ₁	1997 04 02.67547	11 01 44.19	+20 14 11.5		327	1997 GN	1997 04 06.70199	13 04 19.05	-06 46 30.9	327
1997 FX ₁	* 1997 03 28.71823	13 29 34.60	+04 59 16.0		327	1997 GN	1997 04 06.71688	13 04 18.31	-06 46 12.4	327
1997 FX ₁	1997 03 28.73380	13 29 33.61	+04 59 16.9	17.3	327	1997 GN	1997 04 10.56521	13 01 16.19	-05 26 42.5	327
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1997 FX ₁	1997 04 02.69560	13 24 26.36	+05 03 41.5	18.1	327	1997 GN	1997 04 10.57394	13 01 15.75	-05 26 31.5	327
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1997 FY ₁	* 1997 03 29.73333	13 01 37.96	-07 14 58.6		327	1997 GF ₃	1997 04 06.69691	13 24 34.99	-02 22 00.5	18.0 327
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1997 FY ₁	1997 04 02.78639	12 57 37.95	-07 09 47.4	18.6	327	1997 GG ₃	1997 04 06.71688	13 04 41.81	-06 39 53.2	327
1997 FY ₁	1997 04 02.80216	12 57 37.06	-07 09 45.9		327	1997 GS ₁₆	1997 04 06.69183	13 03 17.69	-05 23 17.2	17.2 327
1997 FZ ₁	* 1997 03 29.76999	13 31 08.49	-09 37 44.5		327	1997 GS ₁₆	1997 04 06.70669	13 03 16.97	-05 23 12.4	327
1997 FZ ₁	1997 03 29.78034	13 31 07.96	-09 37 41.8	16.9	327	1997 GS ₁₆	1997 04 06.72179	13 03 16.22	-05 23 07.5	327
1997 FZ ₁	1997 03 29.79046	13 31 07.48	-09 37 39.4		327	1997 GS ₁₆	1997 04 10.56521	13 00 18.47	-05 02 25.4	327
1997 FZ ₁	1997 04 02.78130	13 27 53.55	-09 19 46.6		327	1997 GS ₁₆	1997 04 10.56957	13 00 18.26	-05 02 24.2	17.5 327
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1997 FA ₂	* 1997 03 29.77527	13 36 33.43	-09 49 14.6	17.2	327	1997 GS ₁₆	1997 04 10.57837	13 00 17.85	-05 02 21.5	327
1997 FA ₂	1997 03 29.78536	13 36 32.94	-09 49 11.2		327	1997 GY ₁₇	1997 04 06.69183	13 03 26.38	-05 25 05.3	17.6 327
1997 FA ₂	1997 03 29.79554	13 36 32.46	-09 49 07.7		327	1997 GY ₁₇	1997 04 06.70669	13 03 25.38	-05 25 03.6	327
1997 FA ₂	1997 04 02.77642	13 33 23.96	-09 24 49.5		327	1997 GY ₁₇	1997 04 06.72179	13 03 24.34	-05 25 01.6	327
1997 FA ₂	1997 04 02.79156	13 33 23.24	-09 24 44.3	18.2	327	1997 GY ₁₇	1997 04 10.56521	12 59 15.25	-05 17 07.5	17.9 327
1997 FA ₂	1997 04 02.80723	13 33 22.43	-09 24 38.2		327	1997 GY ₁₇	1997 04 10.56957	12 59 14.96	-05 17 06.8	327
1997 FB ₂	1997 03 02.83312	13 38 00.50	+02 02 45.1		327	1997 GY ₁₇	1997 04 10.57394	12 59 14.65	-05 17 06.4	327
1997 FB ₂	1997 03 02.84793	13 38 00.12	+02 02 50.6		327	1997 GY ₁₇	1997 04 10.57837	12 59 14.37	-05 17 05.6	327
1997 FB ₂	1997 03 02.86258	13 37 59.88	+02 02 55.8	18.3	327	1997 GT ₁₈	1997 04 06.69183	13 05 54.00	-05 52 54.7	17.9 327
1997 FB ₂	* 1997 03 29.68542	13 21 58.61	+05 03 00.2		327	1997 GT ₁₈	1997 04 06.70669	13 05 52.94	-05 52 48.1	327
1997 FB ₂	1997 03 29.68975	13 21 58.41	+05 03 01.5	18.6	327	1997 GT ₁₈	1997 04 06.72179	13 05 52.14	-05 52 42.7	327
1997 FB ₂	1997 03 29.69409	13 21 58.23	+05 03 03.7		327	1997 GT ₁₈	1997 04 10.56521	13 02 06.60	-05 26 39.8	18.2 327
1997 FB ₂	1997 03 29.69845	13 21 57.99	+05 03 05.2		327	1997 GT ₁₈	1997 04 10.56957	13 02 06.33	-05 26 37.8	327
1997 FB ₂	1997 04 02.70094	13 18 40.44	+05 29 33.2	19.3	327	1997 GT ₁₈	1997 04 10.57394	13 02 06.05	-05 26 36.4	327
1997 FB ₂	1997 04 02.71997	13 18 39.40	+05 29 39.7		327	1997 GT ₁₈	1997 04 10.57837	13 02 05.81	-05 26 34.4	327
1997 FB ₂	1997 04 02.73432	13 18 38.74	+05 29 46.5		327	1997 GD ₂₀	1997 04 06.69183	13 03 35.06	-05 19 27.3	18.5 327
1997 FB ₂	1997 04 15.71543	13 07 33.39	+06 44 29.0		327	1997 GD ₂₀	1997 04 06.70669	13 03 34.41	-05 19 23.2	327
1997 FB ₂	1997 04 15.72537	13 07 32.86	+06 44 31.7	18.5	327	1997 GD ₂₀	1997 04 06.72179	13 03 33.71	-05 19 18.9	327

1997 GD ₂₀	1997 04 10.56521	13 00 45.50	-05 02 03.9	18.3	327	1997 GR ₂₇	* 1997 04 09.49532	11 03 03.66	+10 40 43.6	18.9	327
1997 GD ₂₀	1997 04 10.56957	13 00 45.34	-05 02 02.7		327	1997 GR ₂₇	1997 04 09.50788	11 03 03.28	+10 40 43.6		327
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1997 GD ₂₀	1997 04 10.57837	13 00 44.93	-05 02 00.1		327	1997 GR ₂₇	1997 04 11.52376	11 02 05.78	+10 39 44.8		327
1997 GS ₂₅	* 1997 04 06.51140	09 39 21.22	+14 20 18.2	18.9	327	1997 GR ₂₇	1997 04 11.53483	11 02 05.42	+10 39 44.0	19.2	327
1997 GS ₂₅	1997 04 06.52584	09 39 20.96	+14 20 14.8		327	1997 GR ₂₇	1997 04 11.56892	11 02 04.51	+10 39 42.0		327
1997 GS ₂₅	1997 04 06.54061	09 39 20.75	+14 20 11.5		327	1997 GS ₂₇	* 1997 04 09.58251	09 15 58.34	+07 21 46.5	19.0	327
1997 GS ₂₅	1997 04 10.50574	09 38 31.97	+14 04 47.4		327	1997 GS ₂₇	1997 04 09.61488	09 15 58.50	+07 21 43.8		327
1997 GS ₂₅	1997 04 10.51541	09 38 31.86	+14 04 44.9		327	1997 GS ₂₇	1997 04 09.64604	09 15 58.75	+07 21 40.7		327
1997 GS ₂₅	1997 04 10.52528	09 38 31.76	+14 04 42.5	18.8	327	1997 GS ₂₇	1997 04 10.60527	09 16 07.45	+07 20 03.3		327
1997 GT ₂₅	* 1997 04 06.59500	11 51 07.97	+10 43 53.8		327	1997 GS ₂₇	1997 04 10.62088	09 16 07.56	+07 20 01.6		327
1997 GT ₂₅	1997 04 06.60949	11 51 06.84	+10 43 45.5	19.2	327	1997 GS ₂₇	1997 04 10.63655	09 16 07.71	+07 20 00.5	19.3	327
1997 GT ₂₅	1997 04 06.62503	11 51 05.64	+10 43 36.1		327	1997 GS ₂₇	1997 04 10.65212	09 16 07.90	+07 19 58.3		327
1997 GT ₂₅	1997 04 11.57973	11 45 15.12	+09 53 33.8		327	1997 GS ₂₇	1997 04 11.61198	09 16 18.07	+07 18 16.7		327
1997 GT ₂₅	1997 04 11.58941	11 45 14.48	+09 53 28.6		327	1997 GS ₂₇	1997 04 11.62764	09 16 18.23	+07 18 14.9		327
1997 GT ₂₅	1997 04 11.59417	11 45 14.13	+09 53 25.0	18.9	327	1997 GS ₂₇	1997 04 11.64363	09 16 18.41	+07 18 13.0	19.6	327
1997 GU ₂₅	* 1997 04 08.50856	09 16 34.33	+06 41 53.2	18.9	327	1997 GV ₂₉	* 1997 04 02.59024	13 12 40.35	-01 31 20.7		327
1997 GU ₂₅	1997 04 08.57362	09 16 35.20	+06 42 08.1		327	1997 GV ₂₉	1997 04 02.61512	13 12 39.13	-01 31 09.3		327
1997 GU ₂₅	1997 04 08.63581	09 16 36.04	+06 42 21.3		327	1997 GV ₂₉	1997 04 02.63949	13 12 37.87	-01 30 59.2	18.1	327
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1997 GU ₂₅	1997 04 09.61488	09 16 50.77	+06 45 56.4	18.9	327	1997 GV ₂₉	1997 04 13.74560	13 03 24.26	-00 13 16.2		327
1997 GU ₂₅	1997 04 09.64604	09 16 51.24	+06 46 03.4		327	1997 GV ₂₉	1997 04 13.75428	13 03 23.83	-00 13 12.5		327
1997 GU ₂₅	1997 04 11.61198	09 17 25.18	+06 52 50.9		327	1997 GW ₂₉	* 1997 04 02.69560	13 22 39.50	+05 19 03.9		327
1997 GU ₂₅	1997 04 11.62764	09 17 25.50	+06 52 54.8	19.0	327	1997 GW ₂₉	1997 04 02.71556	13 22 38.66	+05 19 11.1	18.0	327
1997 GU ₂₅	1997 04 11.64363	09 17 25.83	+06 52 58.0		327	1997 GW ₂₉	1997 04 02.72992	13 22 38.05	+05 19 17.1		327
1997 GV ₂₅	* 1997 04 09.49532	11 01 23.49	+10 21 01.5		327	1997 GW ₂₉	1997 04 13.76399	13 14 39.10	+06 24 46.1		327
1997 GV ₂₅	1997 04 09.50788	11 01 23.19	+10 21 02.6		327	1997 GW ₂₉	1997 04 13.77277	13 14 38.71	+06 24 48.6		327
1997 GV ₂₅	1997 04 09.52064	11 01 22.82	+10 21 03.8	18.4	327	1997 GW ₂₉	1997 04 13.78207	13 14 38.31	+06 24 51.6	18.7	327
1997 GV ₂₅	1997 04 11.52376	11 00 32.70	+10 23 49.0		327	1997 GW ₂₉	1997 04 15.73987	13 13 14.05	+06 34 59.8	18.6	327
1997 GV ₂₅	1997 04 11.53483	11 00 32.50	+10 23 49.5	15.3	327	1997 GW ₂₉	1997 04 15.74424	13 13 13.91	+06 35 01.7		327
1997 GV ₂₅	1997 04 11.56892	11 00 31.62	+10 23 51.3		327	1997 GW ₂₉	1997 04 15.74856	13 13 13.69	+06 35 02.4		327
1997 GW ₂₅	* 1997 04 09.49532	11 03 20.24	+10 40 53.8	18.3	327	1997 GX ₂₉	* 1997 04 06.59500	11 51 02.61	+10 35 14.7	17.8	327
1997 GW ₂₅	1997 04 09.50788	11 03 19.87	+10 40 52.4		327	1997 GX ₂₉	1997 04 06.60949	11 51 01.97	+10 35 18.7		327
1997 GW ₂₅	1997 04 09.52064	11 03 19.46	+10 40 51.2		327	1997 GX ₂₉	1997 04 06.62503	11 51 01.29	+10 35 23.0		327
1997 GW ₂₅	1997 04 11.52376	11 02 25.67	+10 37 48.9		327	1997 GX ₂₉	1997 04 13.65368	11 46 45.22	+11 01 17.6		327
1997 GW ₂₅	1997 04 11.53483	11 02 25.38	+10 37 48.1		327	1997 GX ₂₉	1997 04 13.66976	11 46 44.69	+11 01 20.2	18.7	327
1997 GW ₂₅	1997 04 11.56892	11 02 24.47	+10 37 44.7	18.5	327	1997 GX ₂₉	1997 04 13.68581	11 46 44.16	+11 01 22.8		327
1997 GP ₂₇	* 1997 04 02.59604	11 53 08.82	-03 00 14.8		327	1997 GY ₂₉	* 1997 04 06.59500	11 51 56.03	+10 52 41.1	17.8	327
1997 GP ₂₇	1997 04 02.62068	11 53 07.44	-03 00 06.1		327	1997 GY ₂₉	1997 04 06.60949	11 51 55.35	+10 52 40.6		327
1997 GP ₂₇	1997 04 02.64513	11 53 06.06	-02 59 57.1	18.3	327	1997 GY ₂₉	1997 04 06.62503	11 51 54.60	+10 52 40.4		327
1997 GP ₂₇	1997 04 10.53140	11 46 23.28	-02 14 12.9	18.6	327	1997 GY ₂₉	1997 04 13.65368	11 46 53.87	+10 45 16.5	18.5	327
1997 GP ₂₇	1997 04 10.54095	11 46 22.85	-02 14 09.6		327	1997 GY ₂₉	1997 04 13.66976	11 46 53.22	+10 45 14.5		327
1997 GP ₂₇	1997 04 10.55061	11 46 22.37	-02 14 06.6		327	1997 GY ₂₉	1997 04 13.68581	11 46 52.55	+10 45 13.2		327
1997 GQ ₂₇	* 1997 04 02.74503	14 55 46.37	+04 00 45.7		327	1997 GZ ₂₉	* 1997 04 09.48903	09 10 26.07	+10 39 07.3		327
1997 GQ ₂₇	1997 04 02.75464	14 55 45.98	+04 00 50.8	17.6	327	1997 GZ ₂₉	1997 04 09.50155	09 10 26.49	+10 39 07.0	18.6	327
1997 GQ ₂₇	1997 04 02.76473	14 55 45.67	+04 00 53.0		327	1997 GZ ₂₉	1997 04 09.51435	09 10 26.96	+10 39 07.3		327
1997 GQ ₂₇	1997 04 09.85128	14 51 12.34	+04 42 49.9		327	1997 GZ ₂₉	1997 04 12.49126	09 12 21.28	+10 39 16.5		327
1997 GQ ₂₇	1997 04 09.85566	14 51 12.17	+04 42 51.4	17.5	327	1997 GZ ₂₉	1997 04 12.50109	09 12 21.65	+10 39 16.4	18.6	327
1997 GQ ₂₇	1997 04 09.86006	14 51 11.95	+04 42 52.8		327	1997 GZ ₂₉	1997 04 12.51093	09 12 22.03	+10 39 16.4		327
1997 GQ ₂₇	1997 04 16.74487	14 46 01.12	+05 20 08.4	17.5	327	1997 GA ₃₀	* 1997 04 13.76399	13 12 45.48	+06 35 18.1	18.8	327
1997 GQ ₂₇	1997 04 16.75414	14 46 00.67	+05 20 11.1		327	1997 GA ₃₀	1997 04 13.77277	13 12 44.95	+06 35 17.4		327
1997 GQ ₂₇	1997 04 16.76285	14 46 00.15	+05 20 13.6		327	1997 GA ₃₀	1997 04 13.78207	13 12 44.37	+06 35 15.7		327

1997 GA ₃₀	1997 04 15.73987	13 10 44.87	+06 33 14.3		327	(773)	1997 03 23.60425	08 58 13.42	+15 19 13.1	13.8	327
1997 GA ₃₀	1997 04 15.74424	13 10 44.59	+06 33 13.3		327	(773)	1997 03 23.61455	08 58 13.22	+15 19 11.7		327
1997 GA ₃₀	1997 04 15.74856	13 10 44.32	+06 33 14.0	19.2	327	(773)	1997 03 23.62456	08 58 13.02	+15 19 10.1		327
1997 GB ₃₀	* 1997 04 13.76399	13 13 21.82	+06 21 42.6		327	(773)	1997 03 28.56191	08 56 58.19	+15 06 37.9		327
1997 GB ₃₀	1997 04 13.77277	13 13 21.33	+06 21 45.0		327	(773)	1997 03 28.57642	08 56 58.00	+15 06 35.6	13.9	327
1997 GB ₃₀	1997 04 13.78207	13 13 20.85	+06 21 46.2	17.6	327	(773)	1997 03 28.59155	08 56 57.81	+15 06 33.0		327
1997 GB ₃₀	1997 04 15.73987	13 11 39.24	+06 26 09.2		327	(811)	1997 03 20.59289	10 50 46.03	+10 12 01.2	14.9	327
1997 GB ₃₀	1997 04 15.74424	13 11 39.03	+06 26 09.7	17.8	327	(811)	1997 03 20.60277	10 50 45.60	+10 12 03.7		327
1997 GB ₃₀	1997 04 15.74856	13 11 38.80	+06 26 10.2		327	(811)	1997 03 20.61258	10 50 45.15	+10 12 06.7		327
1997 GC ₃₀	* 1997 04 13.76399	13 14 46.40	+06 40 22.9		327	(1016)	1997 03 27.67690	12 19 27.46	-01 28 40.4	14.2	327
1997 GC ₃₀	1997 04 13.77277	13 14 45.79	+06 40 24.5		327	(1016)	1997 03 27.69153	12 19 26.47	-01 28 36.9		327
1997 GC ₃₀	1997 04 13.78207	13 14 45.22	+06 40 26.5	18.7	327	(1016)	1997 03 27.70603	12 19 25.50	-01 28 33.6		327
1997 GC ₃₀	1997 04 15.73987	13 12 42.63	+06 46 30.0		327	(1016)	1997 03 30.72703	12 16 10.75	-01 17 05.5		327
1997 GC ₃₀	1997 04 15.74424	13 12 42.33	+06 46 31.2		327	(1016)	1997 03 30.74766	12 16 09.40	-01 17 01.0	14.4	327
1997 GC ₃₀	1997 04 15.74856	13 12 42.06	+06 46 31.0	18.9	327	(1016)	1997 03 30.76825	12 16 08.06	-01 16 56.4		327
1997 GZ ₃₁	* 1997 04 13.78669	14 38 56.24	+02 51 33.6	16.5	327	(1337)	1997 04 02.74503	14 56 05.16	+04 03 22.8		327
1997 GZ ₃₁	1997 04 13.79103	14 38 56.06	+02 51 34.4		327	(1337)	1997 04 02.75464	14 56 04.88	+04 03 27.9	16.1	327
1997 GZ ₃₁	1997 04 13.79536	14 38 55.88	+02 51 35.3		327	(1337)	1997 04 02.76473	14 56 04.60	+04 03 32.8		327
1997 GZ ₃₁	1997 04 13.79969	14 38 55.70	+02 51 36.0		327	(1337)	1997 04 09.85128	14 52 24.48	+05 04 57.8		327
1997 GZ ₃₁	1997 04 16.74979	14 36 54.15	+03 00 14.0		327	(1337)	1997 04 09.85566	14 52 24.32	+05 05 00.1	16.1	327
1997 GZ ₃₁	1997 04 16.75850	14 36 53.76	+03 00 15.3	16.6	327	(1337)	1997 04 09.86006	14 52 24.17	+05 05 02.1		327
1997 GZ ₃₁	1997 04 16.76719	14 36 53.37	+03 00 16.7		327	(1516)	1997 03 22.51856	06 35 38.84	+02 11 17.0		327
1997 GA ₃₂	* 1997 04 15.75332	15 57 32.95	-08 18 36.4		327	(1516)	1997 03 22.53140	06 35 39.36	+22 11 18.6	16.9	327
1997 GA ₃₂	1997 04 15.75766	15 57 32.81	-08 18 35.2	19.6	327	(1516)	1997 03 22.54280	06 35 39.87	+22 11 20.2		327
1997 GA ₃₂	1997 04 15.76199	15 57 32.68	-08 18 33.6		327	(1519)	1997 03 28.63016	12 40 57.20	-02 21 01.6	16.8	327
1997 GA ₃₂	1997 04 15.76632	15 57 32.44	-08 18 32.5		327	(1519)	1997 03 28.64032	12 40 56.71	-02 20 59.9		327
1997 GA ₃₂	1997 04 16.82968	15 56 55.43	-08 13 20.8		327	(1519)	1997 03 28.65060	12 40 56.26	-02 20 58.4		327
1997 GA ₃₂	1997 04 16.83404	15 56 55.29	-08 13 19.2		327	(1519)	1997 03 30.73211	12 39 19.80	-02 15 12.7		327
1997 GA ₃₂	1997 04 16.83837	15 56 55.04	-08 13 16.9		327	(1519)	1997 03 30.75263	12 39 18.83	-02 15 09.2		327
1997 GA ₃₂	1997 04 16.84271	15 56 54.95	-08 13 16.1		327	(1519)	1997 03 30.77259	12 39 17.87	-02 15 06.2	16.5	327
1997 GB ₃₂	* 1997 04 15.75332	15 57 59.85	-08 38 10.5		327	(1595)	1997 03 22.47868	05 58 28.52	+23 13 20.0		327
1997 GB ₃₂	1997 04 15.76199	15 57 59.59	-08 38 06.2	19.0	327	(1595)	1997 03 22.49199	05 58 29.16	+23 13 21.0		327
1997 GB ₃₂	1997 04 15.76632	15 57 59.51	-08 38 03.9		327	(1595)	1997 03 22.50341	05 58 29.75	+23 13 21.2	17.3	327
1997 GB ₃₂	1997 04 16.82968	15 57 29.20	-08 29 56.6		327	(1830)	1997 04 09.49532	11 01 09.05	+10 08 47.1	15.3	327
1997 GB ₃₂	1997 04 16.83404	15 57 29.04	-08 29 54.3		327	(1830)	1997 04 09.50788	11 01 08.74	+10 08 49.4		327
1997 GB ₃₂	1997 04 16.83837	15 57 28.91	-08 29 52.5	18.9	327	(1830)	1997 04 09.52064	11 01 08.44	+10 08 51.9		327
1997 GB ₃₂	1997 04 16.84271	15 57 28.80	-08 29 50.6		327	(1830)	1997 04 11.52376	11 00 28.11	+10 14 34.0		327
4274 P-L	1997 03 15.67571	11 47 42.68	-02 55 41.7	18.0	327	(1830)	1997 04 11.53483	11 00 27.88	+10 14 35.7	15.3	327
4274 P-L	1997 03 15.69353	11 47 41.64	-02 55 36.0		327	(1830)	1997 04 11.56892	11 00 27.18	+10 14 41.0		327
4274 P-L	1997 03 15.71133	11 47 40.56	-02 55 29.8		327	(2218)	1997 03 03.79803	13 31 32.12	+12 19 10.2		327
(573)	1997 03 15.67571	11 48 20.93	-02 30 12.2		327	(2218)	1997 03 03.80766	13 31 31.88	+12 19 14.1	16.5	327
(573)	1997 03 15.69353	11 48 20.03	-02 30 09.1	13.8	327	(2218)	1997 03 03.81738	13 31 31.62	+12 19 18.0		327
(573)	1997 03 15.71133	11 48 19.13	-02 30 06.0		327	(2480)	1997 03 07.47346	06 25 48.00	+27 13 15.2	16.6	327
(573)	1997 03 18.73808	11 45 49.80	-02 21 11.3		327	(2480)	1997 03 07.47814	06 25 48.25	+27 13 14.7		327
(573)	1997 03 18.74853	11 45 49.27	-02 21 09.3	14.1	327	(2480)	1997 03 07.48286	06 25 48.50	+27 13 14.0		327
(573)	1997 03 18.75911	11 45 48.73	-02 21 07.4		327	(2512)	1997 03 02.80799	12 26 01.62	+09 05 18.2	15.5	327
(573)	1997 03 20.65148	11 44 15.77	-02 15 26.2		327	(2512)	1997 03 02.81774	12 26 01.12	+09 05 22.1		327
(573)	1997 03 20.66181	11 44 15.23	-02 15 24.1	13.6	327	(2512)	1997 03 02.82743	12 26 00.62	+09 05 26.2		327
(573)	1997 03 20.67179	11 44 14.75	-02 15 22.5		327	(2651)	1997 03 22.52378	06 39 22.10	+21 35 49.6	16.6	327
(634)	1997 03 19.70414	14 30 35.36	+01 25 00.8		327	(2651)	1997 03 22.53520	06 39 22.80	+21 35 52.5		327
(634)	1997 03 19.71402	14 30 35.15	+01 25 04.4	15.0	327	(2651)	1997 03 22.54661	06 39 23.47	+21 35 56.2		327
(634)	1997 03 19.72377	14 30 34.93	+01 25 07.8		327	(2684)	1997 03 14.49902	08 38 46.28	+16 02 24.5	16.2	327

(2684)	1997 03 14.50909	08 38 46.13	+16 02 26.9	327	(5002)	1997 03 19.66222	12 46 23.30	-01 59 32.2	327
(2684)	1997 03 14.51878	08 38 45.97	+16 02 29.4	327	(5440)	1997 03 08.63957	09 35 33.00	+19 10 30.0	17.4 327
(2783)	1997 03 20.65656	11 54 49.37	+00 08 42.6	16.5 327	(5440)	1997 03 08.65654	09 35 32.12	+19 10 34.8	327
(2783)	1997 03 20.66671	11 54 48.91	+00 08 45.7	327	(5440)	1997 03 08.67097	09 35 31.38	+19 10 39.0	327
(2783)	1997 03 20.67657	11 54 48.38	+00 08 48.8	327	(5512)	1997 04 06.59500	11 50 15.21	+10 48 49.8	17.0 327
(2844)	1997 03 15.52997	08 59 59.99	+18 40 17.1	327	(5512)	1997 04 06.60949	11 50 14.43	+10 48 52.8	327
(2844)	1997 03 15.54503	08 59 59.55	+18 40 19.6	17.4 327	(5512)	1997 04 06.62503	11 50 13.59	+10 48 55.8	327
(2844)	1997 03 15.56000	08 59 59.12	+18 40 21.9	327	(5512)	1997 04 13.65368	11 44 27.73	+11 07 29.9	17.6 327
(2978)	1997 03 03.62293	09 10 18.62	+17 04 49.5	17.3 327	(5512)	1997 04 13.66976	11 44 26.99	+11 07 31.8	327
(2978)	1997 03 03.63285	09 10 18.25	+17 04 51.0	327	(5512)	1997 04 13.68581	11 44 26.24	+11 07 33.7	327
(2978)	1997 03 03.64244	09 10 17.88	+17 04 52.3	327	(5770)	1997 03 28.61076	12 18 46.51	-01 32 02.0	17.1 327
(3642)	1997 03 18.76773	15 38 05.29	-00 50 09.8	15.6 327	(5770)	1997 03 28.61510	12 18 46.33	-01 32 00.6	327
(3642)	1997 03 18.78314	15 38 05.36	-00 50 04.3	327	(5770)	1997 03 28.62058	12 18 46.07	-01 31 59.2	327
(3642)	1997 03 18.79818	15 38 05.44	-00 49 58.8	327	(5770)	1997 03 28.62493	12 18 45.90	-01 31 58.2	327
(3644)	1997 03 08.72238	12 07 50.38	-00 55 03.3	16.0 327	(5770)	1997 03 30.72703	12 17 15.44	-01 22 19.6	327
(3644)	1997 03 08.72642	12 07 50.12	-00 55 02.5	327	(5770)	1997 03 30.74766	12 17 14.53	-01 22 13.8	327
(3644)	1997 03 08.73045	12 07 49.88	-00 55 01.3	327	(5770)	1997 03 30.76825	12 17 13.68	-01 22 08.6	17.5 327
(3644)	1997 03 18.73304	11 57 41.31	-00 09 40.2	15.7 327	(6128)	1997 03 15.67037	10 57 34.52	+11 02 01.4	16.7 327
(3644)	1997 03 18.74352	11 57 40.64	-00 09 37.2	327	(6128)	1997 03 15.68781	10 57 33.62	+11 02 07.8	327
(3644)	1997 03 18.75355	11 57 39.98	-00 09 34.6	327	(6128)	1997 03 15.70581	10 57 32.68	+11 02 14.4	327
(3814)	1997 03 11.67659	10 05 08.88	+12 21 38.6	327	(6706)	1997 03 11.67659	10 06 57.88	+11 45 12.1	327
(3814)	1997 03 11.68128	10 05 08.75	+12 21 39.0	327	(6706)	1997 03 11.68618	10 06 57.38	+11 45 14.2	17.8 327
(3814)	1997 03 11.69119	10 05 08.38	+12 21 42.1	16.7 327	(6706)	1997 03 11.69119	10 06 57.12	+11 45 15.7	327
(3814)	1997 03 11.69596	10 05 08.12	+12 21 42.7	16.6 327	(6706)	1997 03 11.70067	10 06 56.75	+11 45 17.7	327
(3814)	1997 03 11.70583	10 05 07.75	+12 21 45.3	327	(6706)	1997 03 11.70583	10 06 56.38	+11 45 18.7	17.8 327
(3814)	1997 03 11.71086	10 05 07.50	+12 21 46.2	327	(6706)	1997 03 11.71564	10 06 56.00	+11 45 21.2	327
(3814)	1997 03 18.52567	10 01 02.96	+12 46 34.3	327	(6741)	1997 03 15.53969	09 02 38.66	+14 20 44.6	17.3 327
(3814)	1997 03 18.54050	10 01 02.48	+12 46 37.1	327	(6741)	1997 03 15.55505	09 02 38.20	+14 20 48.7	327
(3814)	1997 03 18.55523	10 01 02.02	+12 46 39.9	16.9 327	(6741)	1997 03 15.56986	09 02 37.74	+14 20 52.9	327
(3927)	1997 03 15.67571	11 49 38.55	-02 38 18.6	327					
(3927)	1997 03 15.69353	11 49 37.44	-02 38 11.7	16.2 327					
(3927)	1997 03 15.71133	11 49 36.33	-02 38 04.8	327					
(3927)	1997 03 18.73808	11 46 33.02	-02 18 13.2	327					
(3927)	1997 03 18.74853	11 46 32.37	-02 18 08.6	16.2 327					
(3927)	1997 03 18.75911	11 46 31.67	-02 18 04.2	327					
(3927)	1997 03 20.65148	11 44 36.98	-02 05 21.2	327					
(3927)	1997 03 20.66181	11 44 36.25	-02 05 17.2	16.0 327					
(3927)	1997 03 20.67179	11 44 35.65	-02 05 13.1	327					
(4737)	1997 03 15.68139	13 07 27.88	-01 20 34.0	16.2 327					
(4737)	1997 03 15.69927	13 07 27.18	-01 20 27.6	327					
(4737)	1997 03 15.71671	13 07 26.48	-01 20 21.2	327					
(4737)	1997 03 18.70779	13 05 28.42	-01 01 52.8	327					
(4737)	1997 03 18.71750	13 05 28.01	-01 01 49.1	16.2 327					
(4737)	1997 03 18.72750	13 05 27.59	-01 01 45.5	327					
(4737)	1997 03 19.62705	13 04 50.57	-00 56 06.0	327					
(4737)	1997 03 19.64191	13 04 49.95	-00 56 00.4	15.9 327					
(4737)	1997 03 19.65709	13 04 49.29	-00 55 54.5	327					
(4751)	1997 03 18.53064	10 02 59.30	+13 10 32.1	327					
(4751)	1997 03 18.54536	10 02 58.79	+13 10 35.1	327					
(4751)	1997 03 18.56008	10 02 58.29	+13 10 38.1	17.0 327					
(5002)	1997 03 19.63209	12 46 24.92	-01 59 43.1	16.1 327					
(5002)	1997 03 19.64701	12 46 24.10	-01 59 37.2	327					

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0.2-m $f/6.0$ reflector + CCD, 0.28-m $f/5.0$ reflector + CCD
GSC

1997 AR ₁₆	1997 03 30.51634	11 30 28.92	+03 24 10.4	355
1997 AR ₁₆	1997 03 30.51958	11 30 28.75	+03 24 10.2	355
1997 AR ₁₆	1997 04 01.52494	11 28 34.37	+03 18 49.5	355
1997 AR ₁₆	1997 04 01.52885	11 28 34.20	+03 18 49.4	355
1997 AR ₁₆	1997 04 12.48087	11 19 36.16	+02 44 07.5	355
1997 AR ₁₆	1997 04 12.49157	11 19 35.66	+02 44 05.8	355
1997 AR ₁₆	1997 04 12.49363	11 19 35.64	+02 44 05.0	355
1997 GL ₃	1997 04 10.58412	13 59 55.56	-05 25 38.0	355
1997 GL ₃	1997 04 10.59319	13 59 50.19	-05 25 02.2	355
1997 GL ₃	1997 04 10.59669	13 59 48.13	-05 24 48.5	355
1997 GL ₃	1997 04 12.54734	13 45 21.00	-03 41 30.6	355
1997 GL ₃	1997 04 12.54905	13 45 20.38	-03 41 26.4	355
1997 GL ₃	1997 04 12.55072	13 45 19.71	-03 41 21.6	355
1997 GL ₃	1997 04 12.55277	13 45 19.00	-03 41 16.9	355

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0.28-m $f/6.3$ Schmidt-Cassegrain + CCD
GSC

1990 UG ₄	1997 04 01.65016	14 50 44.50	-09 54 01.2	17.5 V	358
1990 UG ₄	1997 04 01.67929	14 50 43.84	-09 53 43.9		358
1990 UG ₄	1997 04 08.70678	14 47 48.76	-08 39 23.2	17.7 V	358
1990 UG ₄	1997 04 08.72916	14 47 48.19	-08 39 08.9		358
1997 CK ₂₉	1997 03 05.57973	10 22 57.51	+09 47 07.6	16.8 V	358
1997 CK ₂₉	1997 03 05.61453	10 22 55.49	+09 47 16.3		358
1997 EV ₂₅	1997 03 17.63727	12 08 04.68	+03 19 32.3	16.4 V	358
1997 EV ₂₅	1997 03 17.65787	12 08 03.65	+03 19 39.9		358
1997 EW ₂₅	1997 03 07.65221	12 35 04.37	+00 24 22.4	17.8 V	358
1997 EW ₂₅	1997 03 07.69684	12 35 01.98	+00 24 28.1		358
1997 EW ₂₅	1997 03 17.66828	12 25 33.90	+00 46 29.3	17.5 V	358
1997 EW ₂₅	1997 03 17.68541	12 25 32.83	+00 46 32.8		358
1997 EW ₂₅	1997 03 18.61813	12 24 34.55	+00 48 46.4	17.6 V	358
1997 EW ₂₅	1997 03 18.65411	12 24 32.26	+00 48 53.2		358
1997 EX ₂₅	1997 03 18.62366	12 24 01.68	+01 39 38.8	17.6 V	358
1997 EX ₂₅	1997 03 18.65017	12 24 00.25	+01 39 49.3		358
1997 EY ₂₅	1997 03 18.65868	12 23 07.72	+04 50 30.9	17.3 V	358
1997 EY ₂₅	1997 03 18.67374	12 23 06.87	+04 50 40.6		358
1997 GB ₂₆	* 1997 04 11.70516	14 36 07.93	-10 55 24.9	18.3 V	358
1997 GB ₂₆	1997 04 11.72318	14 36 06.78	-10 55 27.7		358
1997 GB ₂₆	1997 04 12.63464	14 35 12.16	-10 57 11.0	17.8 V	358
1997 GB ₂₆	1997 04 12.65653	14 35 10.69	-10 57 16.0		358
1997 GB ₂₆	1997 04 12.67734	14 35 09.44	-10 57 17.8		358
1997 GO ₂₈	* 1997 04 11.70789	14 35 57.03	-09 54 35.9	18.4 V	358
1997 GO ₂₈	1997 04 11.72593	14 35 56.33	-09 54 33.1		358
1997 GO ₂₈	1997 04 12.66068	14 35 15.45	-09 51 27.2	17.2 V	358
1997 GO ₂₈	1997 04 12.68149	14 35 14.31	-09 51 24.9		358
(3375)	1997 04 01.63084	14 50 56.03	-15 06 56.4	18.0 V	358
(3375)	1997 04 01.69185	14 50 53.98	-15 06 44.3		358
(3375)	1997 04 08.74594	14 46 28.54	-14 40 49.6	17.2 V	358
(3375)	1997 04 08.78333	14 46 26.95	-14 40 41.0		358

360 Kuma Kogen Astronomical Observatory

A. Nakamura, Shimo-Hatanokawa, Kuma, Kamiukena-Gun, Ehime-Ken, 791-12

Japan [gcc00404@niftyserve.or.jp]

0.60-m $f/6.0$ Ritchey-Chrétien + CCD

GSC, USNO

1984 BC	1997 03 31.59358	10 50 50.87	+41 46 47.6	18.4 V	360
1984 BC	1997 03 31.59809	10 50 51.07	+41 46 48.7		360
1984 BC	1997 03 31.60122	10 50 51.20	+41 46 49.4		360
1990 BA	1997 03 31.71441	14 57 07.94	-22 12 58.0	18.9 V	360
1990 BA	1997 03 31.72014	14 57 07.54	-22 12 57.1		360
1990 BA	1997 03 31.72604	14 57 07.13	-22 12 56.6		360
1991 VH	1997 04 01.56146	11 10 34.15	+40 45 21.4		360
1991 VH	1997 04 01.56632	11 10 33.76	+40 45 24.5		360
1991 VH	1997 04 01.56910	11 10 33.54	+40 45 26.0		360
1992 CC ₁	1997 04 01.57465	10 33 08.06	-02 48 30.4		360
1992 CC ₁	1997 04 01.57778	10 33 07.70	-02 48 31.4		360
1992 CC ₁	1997 04 01.58056	10 33 07.36	-02 48 32.6		360
1994 JT	1997 04 07.58229	10 30 01.90	+10 19 08.8		360

1994 JT	1997 04 07.60660	10 30 01.58	+10 19 15.4		360
1994 VY	1997 04 01.58785	12 25 27.93	-15 57 35.8		360
1994 VY	1997 04 01.59410	12 25 27.62	-15 57 33.4		360
1994 VY	1997 04 12.59219	12 17 24.48	-14 45 00.1	18.7 V	360
1994 VY	1997 04 12.59774	12 17 24.21	-14 44 57.9		360
1995 GO	1997 03 31.64358	13 20 32.08	-14 41 35.5	19.8 V	360
1995 GO	1997 03 31.66354	13 20 31.74	-14 41 34.8		360
1995 GO	1997 03 31.67049	13 20 31.60	-14 41 34.4		360
1995 WF	1997 03 31.67691	13 23 40.52	-21 13 35.6	19.7 V	360
1995 WF	1997 03 31.68194	13 23 40.27	-21 13 34.1		360
1995 WF	1997 03 31.68767	13 23 39.89	-21 13 31.6		360
1995 WF	1997 04 07.68681	13 17 14.29	-20 26 49.2	19.7 V	360
1995 WF	1997 04 07.69774	13 17 13.67	-20 26 43.8		360
1995 WF	1997 04 07.70382	13 17 13.31	-20 26 41.7		360
1995 WC ₇	1997 03 05.68351	11 09 16.98	+13 28 40.8	18.4 V	360
1995 WC ₇	1997 03 05.68819	11 09 16.75	+13 28 42.1		360
1995 WC ₇	1997 04 07.58785	10 47 08.81	+14 33 03.4		360
1995 WC ₇	1997 04 07.61302	10 47 08.13	+14 33 03.4		360
1995 YZ ₁	1997 04 07.65920	12 55 33.75	-06 49 46.7	18.9 V	360
1995 YZ ₁	1997 04 07.66406	12 55 33.51	-06 49 45.6		360
1995 YZ ₁	1997 04 07.68003	12 55 32.67	-06 49 42.8		360
1996 CW ₂	1997 03 31.69340	14 53 15.60	-26 37 41.7	19.0 V	360
1996 CW ₂	1997 03 31.70139	14 53 15.35	-26 37 42.2		360
1996 CW ₂	1997 03 31.70747	14 53 15.13	-26 37 42.9		360
1996 CW ₂	1997 04 07.74670	14 49 17.02	-26 45 40.3		360
1996 CW ₂	1997 04 12.71615	14 45 56.36	-26 47 27.2	18.7 V	b 360
1996 CW ₂	1997 04 12.72257	14 45 56.05	-26 47 26.6		b 360
1996 RG ₃	1997 04 10.76424	14 05 27.92	-04 51 24.8		360
1996 RG ₃	1997 04 10.76840	14 05 27.41	-04 51 22.4		360
1996 RG ₃	1997 04 10.77257	14 05 26.83	-04 51 19.1		360
1997 AW ₁₇	1997 04 07.50052	08 51 51.25	+20 35 33.1		360
1997 AW ₁₇	1997 04 07.50712	08 51 51.48	+20 35 31.7		360
1997 BR	1997 04 01.54497	08 20 45.60	+66 38 18.9		360
1997 BR	1997 04 01.55139	08 20 45.33	+66 38 23.6		360
1997 BR	1997 04 01.55417	08 20 45.12	+66 38 25.7		360
1997 CT ₂₁	1997 03 01.65000	10 04 59.15	+18 18 18.2	19.6 V	360
1997 CT ₂₁	1997 03 01.65573	10 04 58.86	+18 18 19.2		360
1997 CT ₂₁	1997 03 01.66111	10 04 58.54	+18 18 21.5		360
1997 DL	1997 03 31.54427	09 30 34.53	+12 06 55.8	18.8 V	360
1997 DL	1997 03 31.56285	09 30 34.64	+12 06 52.4		360
1997 DL	1997 03 31.56997	09 30 34.70	+12 06 51.2		360
1997 DL	1997 04 07.56875	09 32 33.90	+11 42 38.3		360
1997 DL	1997 04 07.57535	09 32 34.05	+11 42 36.4		360
1997 DL	1997 04 12.57882	09 34 58.67	+11 21 52.1	19.4 V	360
1997 DL	1997 04 12.58472	09 34 58.82	+11 21 50.6		360
1997 FQ ₁	* 1997 03 31.64358	13 20 46.50	-14 38 49.6	18.3 V	360
1997 FQ ₁	1997 03 31.66354	13 20 45.36	-14 38 45.9		360
1997 FQ ₁	1997 03 31.67049	13 20 44.96	-14 38 44.4		360
1997 FQ ₁	1997 04 01.61441	13 19 53.91	-14 35 44.2		360
1997 FQ ₁	1997 04 01.63941	13 19 52.43	-14 35 39.8		360
1997 FQ ₁	1997 04 01.64479	13 19 52.20	-14 35 38.8		360
1997 FQ ₁	1997 04 07.64045	13 14 12.54	-14 13 15.9	18.3 V	360

1997 GA ₂₆	1997 04 15.54550	13 42 46.74	-03 34 01.8		367
1997 GA ₂₆	1997 04 16.55799	13 41 41.86	-03 33 15.9	16.6 V	367
1997 GA ₂₆	1997 04 16.56840	13 41 41.21	-03 33 15.7		367
2104 T-1	1997 04 07.57558	14 26 29.84	-15 06 55.9	17.6 V	367
2104 T-1	1997 04 07.57975	14 26 29.61	-15 06 55.5		367
2104 T-1	1997 04 09.58659	14 25 00.90	-15 03 44.0	17.6 V	367
2104 T-1	1997 04 09.59144	14 25 00.70	-15 03 43.5		367

369 Chichibu

T. Urata, 1-8, Dobayashi 1 Chome, Shimizu, Shizuoka-Ken 424, Japan

Observer N. Sato

0.31-m $f/4.0$ reflector + CCD

GSC

1980 PJ ₁	1996 12 14.60660	07 03 55.30	+23 47 54.2	16.1 V	369
1980 PJ ₁	1996 12 14.61828	07 03 54.56	+23 47 52.0		369
1994 GW ₁₀	1996 12 14.48105	03 22 12.75	+19 08 55.4	17.0 V	369
1994 GW ₁₀	1996 12 14.49456	03 22 12.06	+19 08 56.2		369
1996 AY ₃	1997 04 10.51032	13 13 33.84	+13 26 42.1	17.3 V	369
1996 AY ₃	1997 04 10.51696	13 13 33.57	+13 26 45.0		369
1996 AY ₃	1997 04 10.52902	13 13 33.06	+13 26 47.6		369
1996 AY ₃	1997 04 12.55427	13 12 10.83	+13 36 29.4	17.3 V	369
1996 AY ₃	1997 04 12.57169	13 12 10.13	+13 36 33.4		369
1996 AY ₃	1997 04 12.58274	13 12 09.65	+13 36 37.2		369
1997 AK ₆	1996 12 08.68747	07 16 46.05	+23 27 55.8	18.0 V	369
1997 AK ₆	1996 12 08.69980	07 16 45.66	+23 27 58.1		369
1997 CR ₆	1997 02 13.51789	08 42 23.23	+21 39 25.6	18.0 V	369
1997 CR ₆	1997 02 13.53708	08 42 21.69	+21 39 15.9		369
1997 CK ₁₃	1997 03 09.62978	11 37 48.06	+06 56 37.8	16.3 V	369
1997 CK ₁₃	1997 03 09.63755	11 37 47.72	+06 56 40.2		369
1997 CK ₁₃	1997 03 09.64156	11 37 47.51	+06 56 41.7		369
1997 CV ₂₁	1997 03 01.71345	11 45 30.83	+06 12 50.5	17.7 V	369
1997 CV ₂₁	1997 03 01.72825	11 45 29.98	+06 12 54.7		369
(7473)	1997 03 09.61477	11 33 36.97	+06 37 25.9	17.4 V	369
(7473)	1997 03 09.61920	11 33 36.76	+06 37 26.9		369
(7473)	1997 03 09.62441	11 33 36.51	+06 37 28.9		369

385 Nihondaira Observatory

T. Urata, 1-8, Dobayashi 1 Chome, Shimizu, Shizuoka-Ken, 424 Japan

0.31-m $f/4.7$ reflector + CCD

GSC

1991 TP ₁	1995 11 18.73731	08 24 06.13	+15 35 39.9	18.5 V	I 385
1991 TP ₁	1995 11 18.74738	08 24 05.92	+15 35 39.4		I 385
1995 UB ₇	1997 03 08.57927	10 05 47.22	-02 24 50.5	18.2 V	385
1995 UB ₇	1997 03 08.58352	10 05 46.92	-02 24 48.8		385
1995 UB ₇	1997 03 08.58773	10 05 46.77	-02 24 46.2		385
1995 UB ₇	1997 03 31.50772	09 53 33.99	+00 43 52.7	18.8 V	385
1995 UB ₇	1997 03 31.52360	09 53 33.73	+00 43 58.0		385
1995 VJ ₂	1997 03 09.70898	13 24 25.29	+13 41 43.3	18.5 V	385
1995 VJ ₂	1997 03 09.72287	13 24 24.64	+13 41 48.0		385
1995 VJ ₂	1997 04 12.60565	12 53 10.63	+15 48 41.1	18.5 V	385
1995 VJ ₂	1997 04 12.61588	12 53 10.04	+15 48 41.9		385
1995 YK	1997 03 09.68377	12 59 45.30	+09 56 35.8	18.8 V	385
1995 YK	1997 03 09.68802	12 59 45.19	+09 56 37.6		385

1995 YK	1997 03 09.69218	12 59 45.03	+09 56 38.7		385
1995 YK	1997 04 12.59938	12 35 12.53	+12 44 26.4	18.8 V	385
1995 YK	1997 04 12.61088	12 35 11.99	+12 44 27.4		385
1995 YN ₄	1997 03 18.66209	12 22 04.28	-08 00 54.3	17.9 V	385
1995 YN ₄	1997 03 18.66706	12 22 04.04	-08 00 52.4		385
1996 XC ₃₇	* 1996 12 02.53142	02 00 23.86	+19 33 58.8	18 V	385
1996 XC ₃₇	1996 12 02.53772	02 00 23.64	+19 33 57.1		385
1996 XC ₃₇	1996 12 02.54402	02 00 23.42	+19 33 54.8		385
1996 XC ₃₇	1996 12 08.48541	01 58 21.63	+19 14 30.3	17.5 V	385
1996 XC ₃₇	1996 12 08.50000	01 58 21.37	+19 14 28.1		385
1996 XC ₃₇	1996 12 08.51174	01 58 21.17	+19 14 25.0		385
1997 AM ₂₁	1997 03 31.45282	08 23 54.71	+25 55 26.0	18.6 V	385
1997 AM ₂₁	1997 03 31.48348	08 23 55.56	+25 55 24.1		385
1997 BR ₆	1997 03 31.47464	09 16 16.17	+15 38 11.3	18.3 V	385
1997 BR ₆	1997 03 31.47889	09 16 16.19	+15 38 09.7		385
1997 BR ₆	1997 03 31.50198	09 16 16.35	+15 38 05.8		385
1997 CO ₁₉	1997 03 31.51337	09 24 51.81	+23 54 25.8	18.8 V	385
1997 CO ₁₉	1997 03 31.58506	09 24 51.24	+23 54 16.6		385
1997 CX ₂₁	1997 03 31.46384	08 53 16.81	+09 56 25.2	18.8 V	385
1997 CX ₂₁	1997 03 31.49282	08 53 17.92	+09 56 28.0		385
1997 CB ₂₆	1997 03 31.51888	09 37 23.90	+10 50 41.7	17.7 V	385
1997 CB ₂₆	1997 03 31.58969	09 37 23.09	+10 50 39.3		385
1997 CB ₂₆	1997 04 12.48977	09 37 42.02	+10 35 20.4	18.0 V	385
1997 CB ₂₆	1997 04 12.52450	09 37 42.41	+10 35 16.1		385
1997 EP ₂₅	1997 03 31.46922	09 12 20.84	+17 01 02.5	18.4 V	385
1997 EP ₂₅	1997 03 31.49749	09 12 21.14	+17 00 57.9		385
1997 EP ₂₅	1997 04 12.49553	09 17 14.26	+16 21 27.8	18.3 V	385
1997 EP ₂₅	1997 04 12.51078	09 17 14.68	+16 21 24.4		385
1997 EQ ₂₅	1997 03 18.64172	10 59 50.82	+03 47 11.5	18.1 V	385
1997 EQ ₂₅	1997 03 18.65038	10 59 50.44	+03 47 15.2		385
1997 ES ₂₅	1997 03 18.65620	11 36 21.86	+18 59 26.8	18.3 V	385
1997 ES ₂₅	1997 03 18.68950	11 36 19.53	+18 59 25.8		385
(1334)	1997 03 31.45829	08 30 02.04	+21 08 47.5	15.5 V	385
(1334)	1997 03 31.48811	08 30 02.33	+21 08 49.9		385
(2264)	1997 03 31.47464	09 16 37.60	+15 38 30.8	16.4 V	385
(2264)	1997 03 31.47889	09 16 37.55	+15 38 31.1		385
(2264)	1997 03 31.50198	09 16 37.29	+15 38 32.5		385

399 Kushiro

H. Kaneda, Taiyo MS 2-H, 2-15, Kawazoe 8 Jo 2 Chime, Minami-Ku, Sapporo, 005

Japan

Observer S. Ueda

Measurer H. Kaneda

0.25-m $f/3.4$ hyperboloid astrocamera

GSC

1992 YS ₅	* 1992 12 17.59514	06 15 40.65	+19 49 10.1	16.8	399
1992 YS ₅	1992 12 17.61007	06 15 39.57	+19 49 13.1		399
1994 PV ₂₁	1994 09 01.64028	23 05 30.86	-10 38 35.4	16.2	399
1994 PV ₂₁	1994 09 01.65486	23 05 30.21	-10 38 43.5		399

400 Kitami

K. Endate, 3-17, Hinode 1 Chome, Mihoro Cho, Abashiri-Gun, Hokkaido, 092

Japan

Observer K. Endate

0.25-m $f/3.4$ hyperboloid astrocamera + CCD

GSC

1994 UK ₁	1997 03 12.66148	11 10 47.46	+08 30 05.3	17.5 V	400
1994 UK ₁	1997 03 12.66351	11 10 47.27	+08 30 05.5		400
1994 UK ₁	1997 03 12.68747	11 10 46.02	+08 30 10.4		400
1994 UK ₁	1997 03 16.61851	11 07 18.99	+08 46 07.3	17.5 V	400
1994 UK ₁	1997 03 16.64001	11 07 17.88	+08 46 14.9		400
1997 CB ₂₇	1997 04 03.56457	13 18 43.65	-06 06 35.8	17.9 V	400
1997 CB ₂₇	1997 04 03.61306	13 18 40.47	-06 06 36.9		400
1997 CB ₂₇	1997 04 04.55660	13 17 43.59	-06 06 50.7	17.7 V	400
1997 DT	1997 03 12.61564	10 50 13.57	+11 32 57.8	17.9 V	400
1997 DT	1997 03 12.64718	10 50 11.74	+11 33 10.2		400
1997 DT	1997 03 12.67172	10 50 10.44	+11 33 20.7		400
1997 DT	1997 03 16.60675	10 46 44.63	+11 59 31.5	17.5 V	400
1997 DT	1997 03 16.62866	10 46 43.60	+11 59 37.3		400
1997 DU	1997 03 12.61772	10 51 49.02	+10 34 10.1	17.9 V	400
1997 DU	1997 03 12.64925	10 51 47.42	+10 34 25.8		400
1997 DU	1997 03 12.67378	10 51 46.06	+10 34 39.9		400
1997 DU	1997 03 16.60853	10 48 37.45	+11 08 53.2	17.1 V	400
1997 DU	1997 03 16.63037	10 48 36.44	+11 09 03.3		400
1997 ER ₁₇	1997 03 12.65737	10 40 31.40	+04 41 10.6	17.9 V	400
1997 ER ₁₇	1997 03 12.68341	10 40 29.86	+04 41 19.1		400
1997 ES ₁₇	1997 03 12.65941	10 42 19.22	+03 14 50.3	17.7 V	400
1997 ES ₁₇	1997 03 12.68545	10 42 17.72	+03 14 57.4		400
1997 ES ₁₇	1997 03 16.61661	10 38 41.23	+03 35 16.6	17.8 V	400
1997 ES ₁₇	1997 03 16.63809	10 38 40.11	+03 35 22.0		400
1997 ET ₁₇	1997 03 12.61975	10 45 55.39	+05 25 07.1	18.2 V	400
1997 ET ₁₇	1997 03 12.65129	10 45 53.42	+05 25 19.3		400
1997 ET ₁₇	1997 03 12.67585	10 45 51.99	+05 25 28.5		400
1997 ET ₁₇	1997 03 16.61022	10 42 14.14	+05 49 13.4	17.8 V	400
1997 ET ₁₇	1997 03 16.63207	10 42 12.89	+05 49 21.6		400
1997 EU ₁₇	1997 03 12.65332	10 46 55.17	+03 50 45.1	18.2 V	400
1997 EU ₁₇	1997 03 12.67936	10 46 53.98	+03 50 47.5		400
1997 EU ₁₇	1997 03 16.60481	10 43 50.37	+03 57 45.8	18.0 V	400
1997 EU ₁₇	1997 03 16.62677	10 43 49.47	+03 57 47.2		400
1997 EV ₁₇	1997 03 12.68139	10 45 01.49	+01 56 59.3	18.1 V	400
1997 EV ₁₇	1997 03 16.61213	10 41 15.42	+02 09 32.3	18.1 V	400
1997 EV ₁₇	1997 03 16.63399	10 41 14.16	+02 09 33.8		400
1997 EA ₁₈	1997 03 16.60277	11 08 59.54	+06 58 08.7	18.0 V	400
1997 EA ₁₈	1997 03 16.62470	11 08 58.63	+06 58 14.1		400
1997 GS ₃	* 1997 04 02.58771	13 09 32.48	-07 55 12.9	18.0 V	400
1997 GS ₃	1997 04 02.62420	13 09 30.79	-07 55 04.8		400
1997 GS ₃	1997 04 03.54118	13 08 48.67	-07 50 56.5	17.6 V	400
1997 GS ₃	1997 04 03.59002	13 08 46.39	-07 50 42.6		400
1997 GT ₃	* 1997 04 02.59250	13 07 41.45	-06 54 24.6	18.1 V	400
1997 GT ₃	1997 04 02.62899	13 07 39.65	-06 54 20.8		400
1997 GT ₃	1997 04 03.54361	13 06 53.77	-06 52 16.5	17.5 V	400
1997 GT ₃	1997 04 03.59241	13 06 51.23	-06 52 11.3		400
1997 GU ₃	* 1997 04 03.55024	13 15 39.02	-04 49 25.4	18.3 V	400
1997 GU ₃	1997 04 03.59877	13 15 36.33	-04 49 15.9		400
1997 GU ₃	1997 04 04.56014	13 14 46.76	-04 46 03.7	17.3 V	400

1997 GU ₃	1997 04 04.60201	13 14 44.49	-04 45 53.6		400
1997 GV ₃	* 1997 04 03.55230	13 15 08.42	-05 26 05.8	17.9 V	400
1997 GV ₃	1997 04 03.60083	13 15 05.22	-05 26 01.8		400
1997 GV ₃	1997 04 04.56236	13 14 04.05	-05 24 26.9	17.3 V	400
1997 GV ₃	1997 04 04.60434	13 14 01.28	-05 24 23.2		400
1997 GW ₃	* 1997 04 03.56049	13 19 45.07	-07 05 05.5	18.2 V	400
1997 GW ₃	1997 04 03.60898	13 19 42.57	-07 04 41.0		400
1997 GW ₃	1997 04 04.56870	13 18 56.22	-06 57 22.8	17.9 V	400
1997 GW ₃	1997 04 04.61073	13 18 53.96	-06 57 04.4		400
1997 GX ₃	* 1997 04 03.56252	13 20 18.52	-06 39 58.7	18.1 V	400
1997 GX ₃	1997 04 03.61102	13 20 16.09	-06 39 52.7		400
1997 GX ₃	1997 04 04.57082	13 19 27.77	-06 37 47.8	18.0 V	400
1997 GX ₃	1997 04 04.61287	13 19 25.48	-06 37 41.3		400
1997 GW ₂₄	* 1997 04 03.55436	13 15 09.65	-06 03 02.7	17.3 V	400
1997 GW ₂₄	1997 04 03.60287	13 15 07.52	-06 02 50.5		400
1997 GW ₂₄	1997 04 09.56748	13 10 46.95	-05 32 40.1	17.2 V	400
1997 GW ₂₄	1997 04 09.60145	13 10 45.44	-05 32 30.4		400
1997 GX ₂₄	* 1997 04 04.59571	13 56 19.86	-07 30 11.2	17.5 V	400
1997 GX ₂₄	1997 04 04.64020	13 56 18.02	-07 29 59.0		400
1997 GX ₂₄	1997 04 09.56538	13 52 50.93	-07 08 31.8	16.8 V	400
1997 GX ₂₄	1997 04 09.59937	13 52 49.38	-07 08 22.7		400
1997 GR ₂₅	* 1997 04 04.58122	13 51 08.69	-06 25 33.8	17.9 V	400
1997 GR ₂₅	1997 04 04.62339	13 51 06.38	-06 25 28.3		400
1997 GR ₂₅	1997 04 09.56332	13 46 43.87	-06 03 44.5	17.8 V	400
1997 GR ₂₅	1997 04 09.59733	13 46 41.85	-06 03 38.0		400
1997 GR ₂₅	1997 04 09.61005	13 46 41.14	-06 03 32.8		400
1997 GR ₂₅	1997 04 10.58146	13 45 47.20	-05 59 14.7	17.6 V	400
1997 GR ₂₅	1997 04 10.60799	13 45 45.63	-05 59 07.4		400

402 Dync Astronomical Observatory

A. Sugie, Dync Astronomical Observatory, Taga 283-1, Taga, Inukami-Gun, Shiga-

Ken 522-03, Japan [hhf00201@niftyserve.or.jp]

0.60-m $f/5.0$ reflector + CCD

GSC

1997 AR ₁₆	1997 03 17.56736	11 43 54.69	+03 52 55.7	15.6 V	402
1997 AR ₁₆	1997 03 17.56979	11 43 54.53	+03 52 55.4		402
1997 AR ₁₆	1997 03 17.57222	11 43 54.36	+03 52 55.2		402
1997 AR ₁₆	1997 04 16.52017	11 17 01.55	+02 28 48.0	16.7 V	402
1997 AR ₁₆	1997 04 16.52156	11 17 01.49	+02 28 47.7		402
1997 AR ₁₆	1997 04 16.52295	11 17 01.44	+02 28 47.4		402
1997 FO ₄	1997 04 12.63125	12 52 08.03	-04 49 18.5	18.4 V	402
1997 FO ₄	1997 04 12.63403	12 52 07.91	-04 49 14.2		402
1997 FO ₄	1997 04 12.63681	12 52 07.81	-04 49 09.7		402
1997 GL ₃	1997 04 10.57934	13 59 58.53	-05 25 57.6	15.3 V	402
1997 GL ₃	1997 04 10.58212	13 59 56.89	-05 25 46.2	15.3 V	402
1997 GL ₃	1997 04 10.58351	13 59 56.09	-05 25 40.6	15.4 V	402
1997 GL ₃	1997 04 10.58490	13 59 55.27	-05 25 35.0	15.5 V	402
1997 GL ₃	1997 04 10.58628	13 59 54.47	-05 25 29.4	15.5 V	402
1997 GL ₃	1997 04 10.58976	13 59 52.43	-05 25 15.2	15.5 V	402
1997 GL ₃	1997 04 10.59115	13 59 51.63	-05 25 09.7	15.4 V	402
1997 GL ₃	1997 04 10.59254	13 59 50.80	-05 25 03.9	15.4 V	402
1997 GL ₃	1997 04 11.54531	13 51 58.07	-04 28 43.1	15.8 V	402
1997 GL ₃	1997 04 11.54670	13 51 57.41	-04 28 38.8	15.8 V	402

1997 GL ₃	1997 04 11.54809	13 51 56.77	-04 28 34.4	15.7 V	402	1995 XH	1997 03 04.60258	12 30 30.26	+02 05 46.1	411
1997 GL ₃	1997 04 16.56861	13 28 45.69	-01 44 24.0	16.7 V	402	1995 XH	1997 03 04.62156	12 30 29.51	+02 05 51.3	411
1997 GL ₃	1997 04 16.57000	13 28 45.44	-01 44 22.4		402	1995 XB ₂	1997 02 13.49362	08 52 59.77	+21 14 25.1	411
1997 GL ₃	1997 04 16.57139	13 28 45.17	-01 44 20.9		402	1995 XB ₂	1997 02 13.50974	08 52 58.82	+21 14 28.5	411
1997 GO ₁₃	1997 04 12.64167	12 49 56.10	-06 17 33.3	19.8 V	402	1997 AO ₁	1997 02 12.49708	08 20 49.22	+21 13 33.1	411
1997 GO ₁₃	1997 04 12.64583	12 49 55.84	-06 17 32.0		402	1997 AO ₁	1997 02 12.50909	08 20 48.74	+21 13 34.6	411
1997 GO ₁₃	1997 04 12.65000	12 49 55.57	-06 17 29.7		402	1997 AZ ₃	1997 02 16.50939	08 44 24.05	+21 27 11.0	411
1997 GR ₂₄	1997 04 12.65625	15 25 26.17	-10 14 33.7	18.6 V	402	1997 AZ ₃	1997 02 16.51280	08 44 23.85	+21 27 12.7	411
1997 GR ₂₄	1997 04 12.65903	15 25 26.07	-10 14 31.9		402	1997 AQ ₄	1997 02 16.51627	08 43 25.92	+22 06 00.2	411
1997 GR ₂₄	1997 04 12.66181	15 25 26.01	-10 14 30.2		402	1997 AQ ₄	1997 02 16.52034	08 43 25.64	+22 06 01.9	411
1997 GA ₂₆	1997 04 16.52980	13 41 43.78	-03 33 17.5	17.2 V	402	1997 AL ₅	1997 02 16.51627	08 44 08.03	+22 00 25.8	411
1997 GA ₂₆	1997 04 16.53119	13 41 43.68	-03 33 17.4		402	1997 AL ₅	1997 02 16.52170	08 44 07.78	+22 00 24.1	411
1997 GA ₂₆	1997 04 16.53258	13 41 43.61	-03 33 17.5		402	1997 AW ₆	1997 02 16.45825	08 42 08.57	+22 49 34.5	411
(2060)	1997 03 17.71458	13 55 53.73	-12 08 00.3	16.1 V	402	1997 AW ₆	1997 02 16.46672	08 42 08.18	+22 49 36.1	411
(2060)	1997 03 17.71736	13 55 53.70	-12 07 59.9		402	1997 AX ₆	1997 02 16.47579	08 36 38.74	+15 50 44.1	411
(2060)	1997 03 17.72292	13 55 53.62	-12 07 59.5		402	1997 AX ₆	1997 02 16.48088	08 36 38.55	+15 50 47.4	411
(6024)	1997 03 17.59826	06 37 26.60	+34 06 50.7	16.9 V	402	1997 AY ₆	1997 02 16.50049	09 06 08.83	+13 15 55.1	411
(6024)	1997 03 17.60069	06 37 26.86	+34 06 49.6		402	1997 AY ₆	1997 02 16.50388	09 06 08.64	+13 15 54.8	411
(6024)	1997 03 17.61204	06 37 27.48	+34 06 46.9		402	1997 AZ ₆	1997 02 16.48514	08 32 43.21	+16 32 42.3	411
						1997 AZ ₆	1997 02 16.49024	08 32 42.96	+16 32 43.9	411
						1997 AZ ₆	1997 02 16.49363	08 32 42.71	+16 32 45.7	411
						1997 AA ₇	1997 02 14.52017	09 10 51.50	+16 33 53.1	411
						1997 AA ₇	1997 02 14.53198	09 10 50.84	+16 33 57.3	411
						1997 AB ₇	1997 02 14.52162	09 10 58.71	+18 55 18.8	411
						1997 AB ₇	1997 02 14.53344	09 10 58.02	+18 55 23.3	411
						1997 AC ₇	1997 02 14.49824	08 40 29.94	+17 44 50.7	411
						1997 AC ₇	1997 02 14.50994	08 40 29.38	+17 44 56.4	411
						1997 AD ₇	1997 02 14.49531	08 36 11.00	+16 17 27.7	411
						1997 AD ₇	1997 02 14.50701	08 36 10.38	+16 17 31.2	411
						1997 AE ₇	1997 02 14.49677	08 40 16.17	+13 35 16.0	411
						1997 AE ₇	1997 02 14.50847	08 40 15.55	+13 35 21.1	411
						1997 AF ₇	1997 02 14.52905	09 17 43.67	+15 39 19.4	411
						1997 AF ₇	1997 02 14.54084	09 17 43.01	+15 39 24.6	411
						1997 AG ₇	1997 02 14.50116	08 41 46.70	+13 15 27.8	411
						1997 AG ₇	1997 02 14.51286	08 41 46.22	+13 15 29.2	411
						1997 AH ₇	1997 02 14.49970	08 40 30.18	+14 53 28.8	411
						1997 AH ₇	1997 02 14.51140	08 40 29.59	+14 53 34.4	411
						1997 AJ ₇	1997 02 14.52310	09 12 46.35	+14 16 44.8	411
						1997 AJ ₇	1997 02 14.53492	09 12 45.61	+14 16 48.3	411
						1997 AK ₇	1997 02 14.52608	09 14 40.79	+18 18 58.9	411
						1997 AK ₇	1997 02 14.53788	09 14 40.20	+18 19 04.0	411
						1997 AL ₇	1997 02 16.44697	08 36 35.24	+16 49 51.4	411
						1997 AL ₇	1997 02 16.45098	08 36 35.06	+16 49 52.1	411
						1997 AL ₇	1997 02 16.45234	08 36 34.99	+16 49 52.4	411
						1997 AM ₇	1997 02 14.51872	09 09 21.98	+17 24 38.1	411
						1997 AM ₇	1997 02 14.53052	09 09 21.23	+17 24 41.0	411
						1997 AN ₇	1997 02 14.50262	08 43 19.70	+13 17 48.5	411
						1997 AN ₇	1997 02 14.51431	08 43 19.10	+13 17 51.7	411
						1997 AO ₇	1997 02 14.50407	08 44 37.68	+15 41 28.1	411
						1997 AO ₇	1997 02 14.51576	08 44 36.92	+15 41 32.9	411
						1997 AR ₁₂	1997 02 12.49708	08 21 18.08	+21 25 34.3	411
						1997 AR ₁₂	1997 02 12.50909	08 21 17.47	+21 25 33.8	411
1987 SE ₃	1997 03 01.64834	09 53 25.89	+19 44 05.4		411					
1987 SE ₃	1997 03 01.65867	09 53 25.35	+19 44 07.0		411					
1989 BE ₁	1997 03 01.59654	11 26 02.00	+10 01 38.7		411					
1989 BE ₁	1997 03 01.61003	11 26 01.27	+10 01 44.7		411					
1990 DL ₃	1997 03 04.54474	09 27 33.69	+19 47 36.6		411					
1990 DL ₃	1997 03 04.55290	09 27 33.25	+19 47 37.3		411					
1990 SN ₈	1997 03 04.77018	12 19 38.80	+04 22 28.8	17	411					
1990 SN ₈	1997 03 04.78376	12 19 38.07	+04 22 32.6		411					
1990 SN ₈	1997 03 05.61506	12 19 02.37	+04 26 39.1		411					
1990 SN ₈	1997 03 05.62592	12 19 01.77	+04 26 42.5		411					
1991 RN ₁₁	1997 02 12.66571	11 11 23.63	+09 27 15.4		411					
1991 RN ₁₁	1997 02 12.68469	11 11 22.72	+09 27 23.4		411					
1993 GL	1997 02 12.52712	08 36 02.77	+22 48 26.3		411					
1993 GL	1997 02 12.53903	08 36 02.15	+22 48 27.6		411					
1994 EL ₁	1997 03 01.65274	10 01 32.21	+18 23 39.5		411					
1994 EL ₁	1997 03 01.66307	10 01 31.57	+18 23 43.1		411					
1994 NR ₁	1997 02 12.60808	11 04 14.81	+13 18 33.4		411					
1994 NR ₁	1997 02 12.61616	11 04 14.58	+13 18 38.3		411					
1994 PO ₁₆	1997 03 09.69719	11 59 23.58	-07 22 13.0	17	411					
1994 PO ₁₆	1997 03 09.70944	11 59 22.92	-07 22 10.9		411					
1994 PO ₁₆	1997 03 12.63472	11 56 54.24	-07 14 05.9		411					
1994 PO ₁₆	1997 03 12.63810	11 56 54.05	-07 14 05.6		411					
1994 QQ	1997 02 13.53604	09 35 08.51	+20 01 10.1		411					
1994 QQ	1997 02 13.54785	09 35 07.77	+20 01 11.1		411					
1994 QQ	1997 02 26.58273	09 23 02.48	+20 13 12.3		411					
1994 QQ	1997 02 26.59777	09 23 01.75	+20 13 13.0		411					
1995 VY	1997 02 12.70840	11 14 03.21	+10 46 29.1		411					
1995 VY	1997 02 12.72741	11 14 02.39	+10 46 33.9		411					

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0.25-m $f/4.4$ reflector + CCD, 0.41-m $f/4.3$ reflector + CCD

GSC

1997 AS ₁₂	1997 02 12.49415	08 19 20.59	+25 39 55.0	411	1997 AC ₁₈	1997 02 13.53906	09 36 25.43	+23 49 40.9	411
1997 AS ₁₂	1997 02 12.50616	08 19 19.83	+25 39 59.8	411	1997 AC ₁₈	1997 02 13.55088	09 36 24.78	+23 49 46.1	411
1997 AT ₁₂	1997 02 12.50170	08 24 38.75	+21 21 21.2	411	1997 BA	1997 02 13.53165	09 32 01.59	+25 07 41.5	411
1997 AT ₁₂	1997 02 12.51371	08 24 38.14	+21 21 21.7	411	1997 BA	1997 02 13.54344	09 32 01.01	+25 07 50.2	411
1997 AU ₁₂	1997 02 12.49562	08 20 37.80	+21 44 09.0	411	1997 BA	1997 02 26.58123	09 22 20.04	+27 33 09.6	411
1997 AU ₁₂	1997 02 12.50763	08 20 37.01	+21 44 09.2	411	1997 BA	1997 02 26.59626	09 22 19.49	+27 33 18.0	411
1997 AV ₁₂	1997 02 12.52121	08 33 08.26	+22 17 23.1	411	1997 BL	1997 02 13.54052	09 37 21.88	+24 14 07.6	411
1997 AV ₁₂	1997 02 12.53311	08 33 07.74	+22 17 25.4	411	1997 BL	1997 02 13.55234	09 37 21.19	+24 14 12.7	411
1997 AW ₁₂	1997 02 12.50019	08 24 03.59	+19 55 20.1	411	1997 BL	1997 02 26.58877	09 26 50.83	+25 32 18.9	411
1997 AW ₁₂	1997 02 12.51220	08 24 02.85	+19 55 17.4	411	1997 BL	1997 02 26.60381	09 26 50.12	+25 32 22.2	411
1997 AX ₁₂	1997 02 12.54345	08 39 04.15	+24 02 32.0	411	1997 BU	1997 02 12.56120	08 45 29.77	+15 04 12.9	411
1997 AX ₁₂	1997 02 12.55231	08 39 03.78	+24 02 35.0	411	1997 BU	1997 02 12.56657	08 45 29.53	+15 04 15.2	411
1997 AY ₁₂	1997 02 12.52270	08 33 34.83	+23 39 54.3	411	1997 BU	1997 02 26.54892	08 36 58.63	+17 10 12.7	411
1997 AY ₁₂	1997 02 12.53460	08 33 34.17	+23 39 57.9	411	1997 BU	1997 02 26.56503	08 36 58.14	+17 10 19.5	411
1997 AZ ₁₂	1997 02 12.52858	08 36 27.57	+25 08 11.1	411	1997 BF ₁	1997 02 13.48924	08 47 09.85	+16 44 07.4	411
1997 AZ ₁₂	1997 02 12.54049	08 36 26.94	+25 08 17.9	411	1997 BF ₁	1997 02 13.50534	08 47 08.72	+16 44 07.5	411
1997 AB ₁₃	1997 02 12.51819	08 30 56.67	+24 13 05.4	411	1997 BF ₁	1997 02 26.53735	08 36 37.60	+16 29 54.9	411
1997 AB ₁₃	1997 02 12.53009	08 30 55.99	+24 13 07.6	411	1997 BF ₁	1997 02 26.54075	08 36 37.49	+16 29 54.8	411
1997 AE ₁₃	1997 02 12.51969	08 32 22.97	+30 56 34.4	411	1997 BG ₁	1997 02 13.49070	08 49 07.67	+16 01 43.4	411
1997 AE ₁₃	1997 02 12.53159	08 32 22.29	+30 56 37.1	411	1997 BG ₁	1997 02 13.50682	08 49 06.88	+16 01 51.1	411
1997 AF ₁₃	1997 02 12.52420	08 33 19.78	+29 39 45.2	411	1997 BG ₁	1997 02 26.55038	08 40 25.84	+17 45 27.5	411
1997 AF ₁₃	1997 02 12.53609	08 33 18.98	+29 39 48.6	411	1997 BG ₁	1997 02 26.56649	08 40 25.33	+17 45 33.3	411
1997 AG ₁₃	1997 02 12.54197	08 36 57.06	+29 48 02.0	411	1997 BN ₁	1997 02 13.49216	08 49 26.56	+18 14 46.1	411
1997 AG ₁₃	1997 02 12.55082	08 36 56.41	+29 48 04.3	411	1997 BN ₁	1997 02 13.50828	08 49 25.39	+18 14 46.7	411
1997 AH ₁₃	1997 02 12.54495	08 38 23.32	+30 06 15.1	411	1997 BN ₁	1997 02 26.54747	08 37 00.94	+18 15 50.4	411
1997 AH ₁₃	1997 02 12.55380	08 38 23.00	+30 06 16.2	411	1997 BN ₁	1997 02 26.56358	08 37 00.04	+18 15 48.9	411
1997 AJ ₁₃	1997 02 12.52565	08 33 42.99	+27 24 18.1	411	1997 BO ₁	1997 02 13.49508	08 54 04.43	+20 57 55.0	411
1997 AJ ₁₃	1997 02 12.53755	08 33 42.24	+27 24 17.0	411	1997 BO ₁	1997 02 13.51120	08 54 03.64	+20 57 57.5	411
1997 AK ₁₃	1997 02 12.54789	08 43 53.22	+32 02 49.5	411	1997 BO ₁	1997 02 26.55331	08 44 37.28	+21 29 52.7	411
1997 AK ₁₃	1997 02 12.55674	08 43 52.77	+32 02 52.0	411	1997 BO ₁	1997 02 26.56942	08 44 36.65	+21 29 55.7	411
1997 AL ₁₃	1997 02 12.54936	08 47 41.64	+28 12 50.6	411	1997 BP ₁	1997 02 13.53458	09 34 13.17	+17 39 31.1	411
1997 AL ₁₃	1997 02 12.55821	08 47 41.17	+28 12 50.4	411	1997 BP ₁	1997 02 13.54638	09 34 12.37	+17 39 34.2	411
1997 AM ₁₃	1997 02 12.54641	08 42 29.24	+30 44 52.0	411	1997 BP ₁	1997 02 26.57970	09 21 21.75	+18 29 13.5	411
1997 AM ₁₃	1997 02 12.55526	08 42 28.67	+30 44 52.4	411	1997 BP ₁	1997 02 26.59473	09 21 20.80	+18 29 17.3	411
1997 AE ₁₅	1997 02 12.48529	08 16 46.45	+36 14 19.4	411	1997 BQ ₁	1997 02 13.55824	09 38 55.79	+18 51 15.3	411
1997 AE ₁₅	1997 02 12.48933	08 16 46.23	+36 14 20.6	411	1997 BQ ₁	1997 02 13.56823	09 38 55.43	+18 51 19.8	411
1997 AF ₁₅	1997 02 12.49863	08 21 38.37	+32 29 52.2	411	1997 BR ₁	1997 02 13.55953	09 39 32.82	+19 09 02.0	411
1997 AF ₁₅	1997 02 12.51064	08 21 37.74	+32 29 53.3	411	1997 BR ₁	1997 02 13.56953	09 39 32.32	+19 09 07.6	411
1997 AS ₁₆	1997 02 12.46325	07 21 40.86	+25 25 47.8	411	1997 BR ₁	1997 02 26.62014	09 29 58.73	+21 03 01.8	411
1997 AS ₁₆	1997 02 12.47345	07 21 40.59	+25 25 48.2	411	1997 BR ₁	1997 02 26.63492	09 29 58.10	+21 03 08.4	411
1997 AU ₁₆	1997 02 12.47594	07 52 30.56	+36 47 13.4	411	1997 BS ₁	1997 02 26.60833	09 28 11.01	+21 02 27.4	411
1997 AU ₁₆	1997 02 12.48133	07 52 30.45	+36 47 18.6	411	1997 BS ₁	1997 02 26.62312	09 28 10.48	+21 02 33.7	411
1997 AX ₁₇	1997 02 14.55170	09 12 42.53	+22 19 41.8	411	1997 BU ₁	1997 02 13.49653	08 55 32.11	+19 53 04.5	411
1997 AX ₁₇	1997 02 14.55571	09 12 42.24	+22 19 43.1	411	1997 BU ₁	1997 02 13.51266	08 55 31.32	+19 53 06.4	411
1997 AY ₁₇	1997 02 14.52461	09 14 24.48	+21 44 40.0	411	1997 BU ₁	1997 02 26.55477	08 45 58.68	+20 21 14.6	411
1997 AY ₁₇	1997 02 14.53642	09 14 23.66	+21 44 42.3	411	1997 BU ₁	1997 02 26.57088	08 45 58.07	+20 21 17.5	411
1997 AZ ₁₇	1997 02 13.52435	09 25 06.72	+21 11 43.3	411	1997 BW ₁	1997 02 13.55525	09 37 58.33	+19 03 21.1	411
1997 AZ ₁₇	1997 02 13.52872	09 25 06.43	+21 11 44.1	411	1997 BW ₁	1997 02 13.56524	09 37 57.77	+19 03 22.7	411
1997 AA ₁₈	1997 02 13.53019	09 30 13.57	+23 36 28.6	411	1997 BX ₁	1997 02 13.55380	09 37 54.70	+21 09 37.2	411
1997 AA ₁₈	1997 02 13.54198	09 30 12.99	+23 36 33.3	411	1997 BX ₁	1997 02 13.56377	09 37 54.02	+21 09 40.0	411
1997 AB ₁₈	1997 02 13.53312	09 31 45.71	+20 39 45.2	411	1997 BX ₁	1997 02 26.58574	09 26 23.27	+21 46 00.9	411
1997 AB ₁₈	1997 02 13.54492	09 31 44.89	+20 39 46.5	411	1997 BX ₁	1997 02 26.60078	09 26 22.40	+21 46 02.9	411

1997 BY ₁	1997 02 13.56081	09 39 42.57	+18 00 34.1	411	1997 BS ₂	1997 02 26.65094	09 33 13.86	+17 43 23.0	411
1997 BY ₁	1997 02 13.57081	09 39 42.00	+18 00 39.0	411	1997 BT ₂	1997 02 14.56769	09 43 10.14	+15 53 23.7	411
1997 BY ₁	1997 02 26.60983	09 28 25.57	+19 42 01.9	411	1997 BT ₂	1997 02 14.57986	09 43 09.25	+15 53 22.1	411
1997 BY ₁	1997 02 26.62462	09 28 24.81	+19 42 08.8	411	1997 BT ₂	1997 02 26.61716	09 30 13.44	+15 29 32.0	411
1997 BZ ₁	1997 02 13.50093	09 00 41.97	+19 30 01.0	411	1997 BT ₂	1997 02 26.63194	09 30 12.54	+15 29 30.3	411
1997 BZ ₁	1997 02 13.51707	09 00 41.11	+19 30 05.6	411	1997 BU ₂	1997 02 14.59211	09 46 39.04	+19 16 29.4	411
1997 BZ ₁	1997 02 26.57383	08 49 58.73	+20 10 27.9	411	1997 BU ₂	1997 02 14.60631	09 46 38.21	+19 16 36.9	411
1997 BZ ₁	1997 02 27.48158	08 49 21.55	+20 12 34.3	411	1997 BU ₂	1997 02 26.66092	09 36 22.74	+20 50 18.1	411
1997 BZ ₁	1997 02 27.48591	08 49 21.29	+20 12 35.0	411	1997 BU ₂	1997 02 26.67076	09 36 22.31	+20 50 22.4	411
1997 BZ ₁	1997 02 27.49102	08 49 21.17	+20 12 35.0	411	1997 BV ₂	1997 02 14.59392	09 46 41.48	+18 25 32.8	411
1997 BA ₂	1997 02 13.50239	09 02 26.99	+19 29 07.8	411	1997 BV ₂	1997 02 14.60813	09 46 40.71	+18 25 37.2	411
1997 BA ₂	1997 02 13.51852	09 02 26.23	+19 29 11.1	411	1997 BV ₂	1997 02 26.66273	09 36 33.28	+19 13 44.1	411
1997 BA ₂	1997 02 26.55918	08 52 44.62	+20 13 52.0	411	1997 BV ₂	1997 02 26.67256	09 36 32.75	+19 13 46.7	411
1997 BA ₂	1997 02 26.57529	08 52 43.92	+20 13 54.5	411	1997 BW ₂	1997 02 14.59573	09 46 44.03	+20 42 06.2	411
1997 BB ₂	1997 02 13.49802	08 56 50.38	+21 08 47.4	411	1997 BW ₂	1997 02 14.60994	09 46 43.36	+20 42 16.1	411
1997 BB ₂	1997 02 13.51414	08 56 49.28	+21 08 49.7	411	1997 BW ₂	1997 02 26.66454	09 36 56.17	+22 47 49.5	411
1997 BB ₂	1997 02 26.55185	08 43 54.22	+21 37 36.3	411	1997 BW ₂	1997 02 26.67438	09 36 55.78	+22 47 55.0	411
1997 BB ₂	1997 02 26.56796	08 43 53.42	+21 37 38.3	411	1997 BX ₂	1997 02 14.58901	09 46 24.26	+20 46 08.7	411
1997 BC ₂	1997 02 13.50385	09 03 18.94	+21 50 54.9	411	1997 BX ₂	1997 02 14.60321	09 46 23.45	+20 46 16.8	411
1997 BC ₂	1997 02 13.51998	09 03 18.13	+21 51 00.8	411	1997 BX ₂	1997 02 26.64785	09 35 32.52	+22 19 45.5	411
1997 BC ₂	1997 02 26.56064	08 53 59.51	+22 58 13.4	411	1997 BX ₂	1997 02 26.65764	09 35 31.95	+22 19 50.5	411
1997 BC ₂	1997 02 26.57675	08 53 58.83	+22 58 16.9	411	1997 BY ₂	1997 02 14.58608	09 45 31.80	+20 21 57.9	411
1997 BJ ₂	1997 02 13.49947	09 00 07.21	+20 13 05.6	411	1997 BY ₂	1997 02 14.60030	09 45 30.94	+20 22 02.5	411
1997 BJ ₂	1997 02 13.51561	09 00 06.12	+20 13 12.5	411	1997 BY ₂	1997 02 26.64442	09 34 33.57	+21 15 45.8	411
1997 BJ ₂	1997 02 27.46386	08 48 02.21	+21 36 13.3	411	1997 BY ₂	1997 02 26.65421	09 34 33.05	+21 15 47.8	411
1997 BJ ₂	1997 02 27.46893	08 48 02.02	+21 36 15.1	411	1997 BZ ₂	1997 02 14.56035	09 39 21.50	+13 24 25.1	411
1997 BK ₂	1997 02 14.56327	09 41 16.43	+16 35 44.7	411	1997 BZ ₂	1997 02 14.57251	09 39 20.71	+13 24 30.4	411
1997 BK ₂	1997 02 14.57543	09 41 15.70	+16 35 46.0	411	1997 BZ ₂	1997 02 26.61131	09 28 35.55	+14 40 02.1	411
1997 BL ₂	1997 02 13.53753	09 35 45.71	+14 09 08.0	411	1997 BZ ₂	1997 02 26.62609	09 28 34.79	+14 40 08.9	411
1997 BL ₂	1997 02 13.54934	09 35 45.17	+14 09 12.1	411	1997 BA ₃	1997 02 13.56227	09 39 40.42	+14 41 54.5	411
1997 BL ₂	1997 02 26.58723	09 26 37.88	+15 28 45.6	411	1997 BA ₃	1997 02 13.57228	09 39 39.79	+14 41 57.4	411
1997 BL ₂	1997 02 26.60227	09 26 37.28	+15 28 50.5	411	1997 BA ₃	1997 02 26.59031	09 27 24.59	+15 27 02.5	411
1997 BM ₂	1997 02 26.57824	09 19 03.48	+18 17 34.3	411	1997 BA ₃	1997 02 26.60535	09 27 23.81	+15 27 04.5	411
1997 BM ₂	1997 02 26.59328	09 19 02.31	+18 17 28.3	411	1997 BC ₃	1997 02 14.58462	09 44 52.48	+19 12 05.0	411
1997 BN ₂	1997 02 26.64278	09 34 22.29	+19 45 01.3	411	1997 BC ₃	1997 02 14.59884	09 44 51.49	+19 12 06.6	411
1997 BN ₂	1997 02 26.65258	09 34 21.68	+19 45 01.1	411	1997 BC ₃	1997 02 26.63969	09 32 04.76	+19 28 50.3	411
1997 BO ₂	1997 02 14.56622	09 42 24.67	+20 10 49.1	411	1997 BC ₃	1997 02 26.64948	09 32 04.13	+19 28 49.7	411
1997 BO ₂	1997 02 14.57839	09 42 23.93	+20 10 50.1	411	1997 BC ₃	1997 02 27.51600	09 31 14.06	+19 29 15.0	411
1997 BO ₂	1997 02 26.61568	09 30 04.80	+20 33 22.6	411	1997 BC ₃	1997 02 27.52694	09 31 13.44	+19 29 15.5	411
1997 BO ₂	1997 02 26.63046	09 30 03.93	+20 33 23.7	411	1997 BD ₃	1997 02 14.56473	09 42 21.05	+14 07 08.6	411
1997 BP ₂	1997 02 14.59047	09 46 44.52	+23 11 13.6	411	1997 BD ₃	1997 02 14.57689	09 42 20.23	+14 07 14.4	411
1997 BP ₂	1997 02 14.60467	09 46 43.84	+23 11 25.5	411	1997 BD ₃	1997 02 26.62163	09 31 06.73	+15 22 59.4	411
1997 BP ₂	1997 03 04.56208	09 33 39.19	+27 03 21.4	411	1997 BD ₃	1997 02 26.63641	09 31 05.93	+15 23 05.0	411
1997 BP ₂	1997 03 04.56411	09 33 39.13	+27 03 22.6	411	1997 BE ₃	1997 02 14.59737	09 49 27.13	+19 48 40.8	411
1997 BP ₂	1997 03 04.57229	09 33 38.76	+27 03 28.0	411	1997 BE ₃	1997 02 14.61157	09 49 26.42	+19 48 43.9	411
1997 BR ₂	1997 02 13.55675	09 38 05.46	+12 58 41.5	411	1997 BE ₃	1997 02 26.66766	09 40 19.66	+20 31 12.8	411
1997 BR ₂	1997 02 13.56674	09 38 04.92	+12 58 44.4	411	1997 BE ₃	1997 02 26.67749	09 40 19.14	+20 31 16.5	411
1997 BR ₂	1997 03 01.50427	09 25 16.05	+14 25 38.2	411	1997 BF ₃	1997 02 14.56181	09 40 50.34	+16 21 42.8	411
1997 BR ₂	1997 03 01.52583	09 25 15.14	+14 25 44.0	411	1997 BF ₃	1997 02 14.57396	09 40 49.56	+16 21 48.8	411
1997 BS ₂	1997 02 14.56918	09 44 20.12	+17 13 51.7	411	1997 BF ₃	1997 02 26.61277	09 29 24.41	+17 45 37.1	411
1997 BS ₂	1997 02 14.58135	09 44 19.41	+17 13 53.5	411	1997 BF ₃	1997 02 26.62755	09 29 23.75	+17 45 42.3	411
1997 BS ₂	1997 02 26.64115	09 33 14.39	+17 43 23.0	411	1997 BG ₃	1997 02 14.58754	09 46 19.10	+22 30 24.9	411

1997 BG ₃	1997 02 14.60175	09 46 18.20	+22 30 32.4	411	1997 CV	1997 03 04.51150	09 41 41.28	+13 49 18.8	411
1997 BG ₃	1997 02 26.64605	09 34 43.21	+23 56 02.4	411	1997 CW	1997 03 01.67195	10 25 17.81	+17 34 47.7	411
1997 BG ₃	1997 02 26.65584	09 34 42.62	+23 56 06.8	411	1997 CW	1997 03 01.68525	10 25 16.98	+17 34 51.0	411
1997 BM ₃	1997 02 12.54291	10 14 43.62	+14 23 19.4	411	1997 CX	1997 02 16.58494	10 41 35.64	+14 28 55.5	411
1997 BM ₃	1997 02 12.55551	10 14 42.88	+14 23 20.2	411	1997 CX	1997 02 16.59342	10 41 35.16	+14 28 59.5	411
1997 BM ₃	1997 03 01.64982	09 58 14.98	+14 49 32.3	411	1997 CX	1997 03 01.67781	10 29 28.42	+16 16 38.7	411
1997 BM ₃	1997 03 01.66016	09 58 14.40	+14 49 32.8	411	1997 CX	1997 03 01.69111	10 29 27.55	+16 16 44.0	411
1997 BN ₃	1997 03 01.65420	10 02 59.79	+15 55 43.7	411	1997 CY	1997 03 01.62928	09 45 59.89	+11 00 32.3	411
1997 BN ₃	1997 03 01.66453	10 02 59.26	+15 55 46.5	411	1997 CY	1997 03 01.64241	09 45 59.20	+11 00 37.4	411
1997 BO ₃	1997 03 01.65274	10 00 58.68	+18 19 51.0	411	1997 CZ	1997 03 01.67489	10 27 55.10	+17 08 41.8	411
1997 BO ₃	1997 03 01.66307	10 00 58.16	+18 19 53.5	411	1997 CZ	1997 03 01.68819	10 27 54.34	+17 08 47.0	411
1997 BP ₃	1997 02 12.60517	11 03 14.30	+09 55 30.0	411	1997 CA ₁	1997 03 01.62348	09 38 01.54	+12 31 20.5	411
1997 BP ₃	1997 02 12.61323	11 03 13.83	+09 55 34.0	411	1997 CA ₁	1997 03 01.63658	09 38 00.66	+12 31 21.5	411
1997 BP ₃	1997 03 01.73219	10 48 50.14	+12 42 15.1	411	1997 CB ₁	1997 03 04.52693	09 40 55.33	+11 55 07.9	411
1997 BP ₃	1997 03 01.74394	10 48 49.48	+12 42 22.0	411	1997 CB ₁	1997 03 04.53539	09 40 54.92	+11 55 11.1	411
1997 BR ₃	1997 02 12.60663	11 00 53.06	+10 33 04.9	411	1997 CC ₁	1997 03 01.63075	09 46 30.54	+14 53 49.2	411
1997 BR ₃	1997 02 12.61469	11 00 52.56	+10 33 05.9	411	1997 CC ₁	1997 03 01.64388	09 46 29.79	+14 53 55.4	411
1997 BR ₃	1997 03 01.72925	10 39 58.75	+10 18 43.8	411	1997 CE ₁	1997 03 01.67049	10 24 16.03	+16 57 47.0	411
1997 BR ₃	1997 03 01.74100	10 39 57.88	+10 18 42.1	411	1997 CE ₁	1997 03 01.68379	10 24 15.23	+16 57 48.9	411
1997 BS ₃	1997 03 01.66600	10 09 12.29	+19 03 54.8	411	1997 CG ₁	1997 03 01.69696	10 30 24.94	+18 29 26.6	411
1997 BS ₃	1997 03 01.67930	10 09 11.70	+19 04 01.5	411	1997 CG ₁	1997 03 01.71313	10 30 24.05	+18 29 31.0	411
1997 BT ₃	1997 02 12.61049	11 06 04.30	+09 28 25.9	411	1997 CH ₁	1997 03 01.64536	09 47 42.06	+09 58 00.2	411
1997 BT ₃	1997 02 12.62231	11 06 03.82	+09 28 29.8	411	1997 CH ₁	1997 03 01.65570	09 47 41.40	+09 58 00.7	411
1997 BT ₃	1997 02 12.62635	11 06 03.66	+09 28 31.6	411	1997 CJ ₁	1997 03 01.69550	10 29 50.48	+15 29 06.9	411
1997 BT ₃	1997 02 13.58560	11 05 24.98	+09 33 50.0	411	1997 CJ ₁	1997 03 01.71167	10 29 49.62	+15 29 12.5	411
1997 BT ₃	1997 02 13.59288	11 05 24.73	+09 33 52.4	411	1997 CK ₁	1997 03 01.70430	10 33 18.06	+16 40 41.8	411
1997 BT ₃	1997 02 16.64506	11 03 16.02	+09 51 07.3	411	1997 CK ₁	1997 03 01.72047	10 33 17.21	+16 40 47.2	411
1997 BT ₃	1997 02 16.66172	11 03 15.26	+09 51 13.3	411	1997 CL ₁	1997 03 01.69842	10 30 47.05	+16 06 09.5	411
1997 BT ₃	1997 03 01.74979	10 53 00.40	+11 07 15.4	411	1997 CL ₁	1997 03 01.71459	10 30 46.21	+16 06 13.4	411
1997 BT ₃	1997 03 01.76300	10 52 59.78	+11 07 20.6	411	1997 CM ₁	1997 03 05.57935	10 28 17.79	+15 40 26.0	411
1997 BU ₃	1997 02 12.63052	11 07 07.09	+09 17 26.3	411	1997 CM ₁	1997 03 05.59026	10 28 17.16	+15 40 29.1	411
1997 BU ₃	1997 02 12.63454	11 07 06.94	+09 17 27.6	411	1997 CN ₁	1997 03 05.57754	10 27 58.99	+17 38 13.0	411
1997 BU ₃	1997 02 12.63589	11 07 06.82	+09 17 28.1	411	1997 CN ₁	1997 03 05.58845	10 27 58.36	+17 38 14.0	411
1997 BU ₃	1997 03 01.75124	10 54 56.33	+10 44 49.8	411	1997 CO ₁	1997 03 01.64682	09 49 36.89	+11 56 39.8	411
1997 BU ₃	1997 03 01.76447	10 54 55.74	+10 44 54.2	411	1997 CO ₁	1997 03 01.65716	09 49 36.33	+11 56 42.9	411
1997 BV ₃	1997 02 12.61195	11 06 51.07	+11 53 39.1	411	1997 CX ₂	1997 03 01.69989	10 30 27.21	+12 14 15.2	411
1997 BV ₃	1997 02 12.62002	11 06 50.71	+11 53 42.8	411	1997 CX ₂	1997 03 01.71606	10 30 26.39	+12 14 19.3	411
1997 BV ₃	1997 03 01.74833	10 52 12.56	+14 14 20.7	411	1997 CY ₂	1997 03 01.70722	10 36 48.95	+12 45 41.7	411
1997 BV ₃	1997 03 01.76155	10 52 11.72	+14 14 27.5	411	1997 CY ₂	1997 03 01.72339	10 36 48.24	+12 45 46.4	411
1997 CO	1997 03 04.48606	09 34 35.43	+13 03 02.7	411	1997 CZ ₂	1997 03 01.70576	10 35 07.82	+14 26 14.7	411
1997 CO	1997 03 04.50606	09 34 34.63	+13 03 06.9	411	1997 CZ ₂	1997 03 01.72193	10 35 06.96	+14 26 21.4	411
1997 CP	1997 03 04.48425	09 31 51.80	+13 41 50.2	411	1997 CA ₃	1997 03 02.64902	10 39 28.82	+13 16 17.4	411
1997 CP	1997 03 04.50425	09 31 50.80	+13 41 55.8	411	1997 CA ₃	1997 03 02.65584	10 39 28.51	+13 16 18.6	411
1997 CQ	1997 03 01.62202	09 37 40.19	+15 13 05.1	411	1997 CA ₃	1997 03 02.66198	10 39 28.11	+13 16 21.7	411
1997 CQ	1997 03 01.63512	09 37 39.62	+15 13 11.9	411	1997 CH ₄	1997 02 11.71782	10 57 30.88	+10 14 39.7	411
1997 CR	1997 03 05.57389	10 26 21.16	+16 31 21.6	411	1997 CH ₄	1997 02 11.72804	10 57 30.36	+10 14 43.2	411
1997 CR	1997 03 05.58481	10 26 20.57	+16 31 26.9	411	1997 CH ₄	1997 03 01.72780	10 40 00.61	+12 14 58.2	411
1997 CS	1997 03 01.67342	10 25 48.30	+13 34 53.7	411	1997 CH ₄	1997 03 01.73954	10 39 59.92	+12 15 03.3	411
1997 CS	1997 03 01.68672	10 25 47.59	+13 34 55.5	411	1997 CJ ₄	1997 02 12.59519	10 57 58.61	+10 22 34.7	411
1997 CU	1997 03 04.51483	09 37 29.46	+12 58 08.9	411	1997 CJ ₄	1997 02 12.60196	10 57 58.25	+10 22 37.3	411
1997 CU	1997 03 04.51990	09 37 29.21	+12 58 11.0	411	1997 CJ ₄	1997 03 02.66862	10 42 27.84	+12 38 37.8	411
1997 CV	1997 03 04.49150	09 41 42.23	+13 49 07.7	411	1997 CJ ₄	1997 03 02.67202	10 42 27.65	+12 38 39.2	411

1997 CK ₄	1997 02 14.64786	10 28 51.24	+23 26 03.3	411	1997 CW ₁₉	1997 03 09.51707	10 45 04.08	+12 28 25.4	411
1997 CK ₄	1997 02 14.65324	10 28 50.91	+23 26 05.8	411	1997 CX ₁₉	1997 02 16.67987	11 19 15.87	+08 09 16.4	411
1997 CK ₄	1997 03 01.66749	10 13 13.27	+24 49 48.8	411	1997 CX ₁₉	1997 02 16.69165	11 19 15.32	+08 09 17.5	411
1997 CK ₄	1997 03 01.68079	10 13 12.39	+24 49 51.6	411	1997 CX ₁₉	1997 03 01.75857	11 07 00.96	+08 43 55.6	411
1997 CB ₁₇	1997 02 11.57995	09 46 56.89	+19 16 31.8	411	1997 CX ₁₉	1997 03 01.77180	11 07 00.06	+08 43 59.3	411
1997 CB ₁₇	1997 02 11.58674	09 46 56.40	+19 16 33.7	411	1997 CX ₁₉	1997 03 09.58659	10 58 57.84	+09 03 44.8	411
1997 CB ₁₇	1997 02 11.58843	09 46 56.33	+19 16 35.3	411	1997 CX ₁₉	1997 03 09.60276	10 58 56.85	+09 03 46.8	411
1997 CC ₁₇	1997 02 14.65746	10 53 49.43	+10 21 28.7	411	1997 CY ₁₉	1997 02 16.68282	11 20 02.31	+09 25 19.4	411
1997 CC ₁₇	1997 02 14.66149	10 53 49.23	+10 21 29.8	411	1997 CY ₁₉	1997 02 16.69460	11 20 01.74	+09 25 21.3	411
1997 CC ₁₇	1997 03 01.72484	10 38 18.19	+11 49 38.6	411	1997 CY ₁₉	1997 03 01.76006	11 08 00.32	+10 03 22.7	411
1997 CC ₁₇	1997 03 01.73659	10 38 17.45	+11 49 43.4	411	1997 CY ₁₉	1997 03 01.77329	11 07 59.54	+10 03 25.0	411
1997 CP ₁₉	1997 02 16.57027	10 11 36.50	+15 16 30.9	411	1997 CY ₁₉	1997 03 09.58950	11 00 24.05	+10 23 17.0	411
1997 CP ₁₉	1997 02 16.57425	10 11 36.31	+15 16 33.0	411	1997 CY ₁₉	1997 03 09.60568	11 00 23.11	+10 23 19.0	411
1997 CP ₁₉	1997 03 01.65128	10 00 44.04	+17 34 07.8	411	1997 CZ ₁₉	1997 02 16.64360	11 03 42.54	+09 57 47.6	411
1997 CP ₁₉	1997 03 01.66161	10 00 43.60	+17 34 13.8	411	1997 CZ ₁₉	1997 02 16.66027	11 03 41.63	+09 57 54.7	411
1997 CP ₁₉	1997 03 07.51216	09 56 27.64	+18 26 33.8	411	1997 CZ ₁₉	1997 03 01.73365	10 51 32.48	+11 34 38.0	411
1997 CP ₁₉	1997 03 07.51350	09 56 27.58	+18 26 34.9	411	1997 CZ ₁₉	1997 03 01.74540	10 51 31.74	+11 34 43.2	411
1997 CQ ₁₉	1997 02 16.57638	10 41 48.23	+17 55 59.0	411	1997 CZ ₁₉	1997 03 09.49955	10 44 07.28	+12 28 08.6	411
1997 CQ ₁₉	1997 02 16.58145	10 41 47.95	+17 56 01.0	411	1997 CZ ₁₉	1997 03 09.51561	10 44 06.33	+12 28 14.1	411
1997 CQ ₁₉	1997 03 01.69256	10 29 33.02	+19 19 26.6	411	1997 CA ₂₀	1997 02 16.70198	11 23 36.58	+08 38 00.7	411
1997 CQ ₁₉	1997 03 01.70873	10 29 31.99	+19 19 33.4	411	1997 CA ₂₀	1997 02 16.71233	11 23 36.26	+08 38 06.1	411
1997 CQ ₁₉	1997 03 07.52652	10 24 23.09	+19 47 32.5	411	1997 CA ₂₀	1997 02 26.73965	11 17 20.72	+09 53 51.8	411
1997 CQ ₁₉	1997 03 07.53329	10 24 22.73	+19 47 35.6	411	1997 CA ₂₀	1997 02 26.75587	11 17 20.04	+09 53 59.3	411
1997 CR ₁₉	1997 02 14.56542	11 16 40.79	+13 00 35.7	411	1997 CA ₂₀	1997 03 09.60131	11 09 47.50	+11 15 31.7	411
1997 CR ₁₉	1997 02 14.57890	11 16 40.17	+13 00 37.4	411	1997 CA ₂₀	1997 03 09.61748	11 09 46.83	+11 15 38.4	411
1997 CR ₁₉	1997 03 01.75271	11 03 27.22	+13 55 48.4	411	1997 CC ₂₀	1997 02 16.65012	11 09 35.40	+08 56 59.3	411
1997 CR ₁₉	1997 03 01.76594	11 03 26.43	+13 55 50.5	411	1997 CC ₂₀	1997 02 16.66679	11 09 34.70	+08 57 07.5	411
1997 CR ₁₉	1997 03 09.56000	10 56 08.29	+14 18 13.8	411	1997 CC ₂₀	1997 02 26.69830	11 01 56.12	+10 04 33.9	411
1997 CR ₁₉	1997 03 09.57326	10 56 07.54	+14 18 16.4	411	1997 CC ₂₀	1997 02 26.71001	11 01 55.53	+10 04 38.3	411
1997 CS ₁₉	1997 02 14.56987	11 16 36.02	+14 31 36.3	411	1997 CC ₂₀	1997 03 09.51270	10 52 55.47	+11 16 50.2	411
1997 CS ₁₉	1997 02 14.58336	11 16 35.45	+14 31 41.8	411	1997 CC ₂₀	1997 03 09.52877	10 52 54.60	+11 16 56.4	411
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1997 CS ₁₉	1997 03 09.56146	10 56 39.63	+17 00 44.0	411	1997 CD ₂₀	1997 02 26.69246	11 00 35.18	+10 42 38.5	411
1997 CS ₁₉	1997 03 09.57473	10 56 38.84	+17 00 47.8	411	1997 CD ₂₀	1997 02 26.70415	11 00 34.60	+10 42 43.3	411
1997 CU ₁₉	1997 02 16.67841	11 15 53.17	+10 39 57.4	411	1997 CD ₂₀	1997 03 09.51124	10 50 54.33	+11 57 54.0	411
1997 CU ₁₉	1997 02 16.69019	11 15 52.55	+10 40 03.3	411	1997 CD ₂₀	1997 03 09.52731	10 50 53.45	+11 57 58.8	411
1997 CU ₁₉	1997 03 01.75710	11 04 38.70	+12 22 34.0	411	1997 CE ₂₀	1997 02 16.70344	11 24 59.27	+11 04 21.2	411
1997 CU ₁₉	1997 03 01.77033	11 04 37.93	+12 22 40.4	411	1997 CE ₂₀	1997 02 16.71379	11 24 58.77	+11 04 25.2	411
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1997 CU ₁₉	1997 03 09.57766	10 57 26.03	+13 18 27.9	411	1997 CE ₂₀	1997 02 26.75442	11 17 00.88	+12 11 29.1	411
1997 CV ₁₉	1997 02 16.67695	11 14 47.81	+11 08 28.5	411	1997 CE ₂₀	1997 03 09.59833	11 07 34.60	+13 20 15.4	411
1997 CV ₁₉	1997 02 16.68873	11 14 47.24	+11 08 34.8	411	1997 CE ₂₀	1997 03 09.61450	11 07 33.59	+13 20 21.0	411
1997 CV ₁₉	1997 03 01.75417	11 03 55.30	+13 02 11.1	411	1997 CF ₂₀	1997 02 16.64849	11 09 32.57	+07 24 49.6	411
1997 CV ₁₉	1997 03 01.76740	11 03 54.61	+13 02 17.3	411	1997 CF ₂₀	1997 02 16.66517	11 09 31.57	+07 24 51.8	411
1997 CV ₁₉	1997 03 09.56292	10 56 49.28	+14 06 34.9	411	1997 CF ₂₀	1997 02 26.68807	10 59 39.06	+07 50 05.9	411
1997 CV ₁₉	1997 03 09.57619	10 56 48.54	+14 06 39.8	411	1997 CF ₂₀	1997 02 26.69976	10 59 38.25	+07 50 06.2	411
1997 CW ₁₉	1997 02 16.64506	11 02 59.66	+09 59 07.4	411	1997 CF ₂₀	1997 03 09.50394	10 48 18.14	+08 17 37.7	411
1997 CW ₁₉	1997 02 16.66172	11 02 58.80	+09 59 15.4	411	1997 CF ₂₀	1997 03 09.52000	10 48 17.19	+08 17 39.2	411
1997 CW ₁₉	1997 03 01.73511	10 51 59.52	+11 34 51.0	411	1997 CG ₂₀	1997 02 16.65503	11 10 41.98	+07 22 21.2	411
1997 CW ₁₉	1997 03 01.74686	10 51 58.78	+11 34 53.6	411	1997 CG ₂₀	1997 02 16.67171	11 10 41.02	+07 22 21.0	411
1997 CW ₁₉	1997 03 09.50101	10 45 05.01	+12 28 21.0	411	1997 CG ₂₀	1997 02 26.69393	11 00 49.11	+07 22 42.9	411

1997 CG ₂₀	1997 02 26.70562	11 00 48.30	+07 22 42.5	411	1997 CZ ₂₁	1997 03 09.60422	11 00 17.91	+08 39 30.5	411
1997 CG ₂₀	1997 03 09.50539	10 49 28.89	+07 23 36.3	411	1997 CA ₂₂	1997 02 16.70050	11 23 28.42	+04 06 34.8	411
1997 CG ₂₀	1997 03 09.52146	10 49 27.74	+07 23 36.9	411	1997 CA ₂₂	1997 02 16.71085	11 23 27.92	+04 06 38.1	411
1997 CH ₂₀	1997 02 16.65175	11 09 36.78	+09 58 03.8	411	1997 CA ₂₂	1997 02 26.73524	11 15 15.01	+05 10 45.9	411
1997 CH ₂₀	1997 02 16.66843	11 09 35.79	+09 58 12.6	411	1997 CA ₂₂	1997 02 26.75146	11 15 14.08	+05 10 52.2	411
1997 CH ₂₀	1997 02 26.69100	11 00 15.27	+11 19 53.7	411	1997 CA ₂₂	1997 03 09.59393	11 04 54.89	+06 28 32.3	411
1997 CH ₂₀	1997 02 26.70269	11 00 14.64	+11 19 58.3	411	1997 CA ₂₂	1997 03 09.61010	11 04 53.88	+06 28 38.8	411
1997 CH ₂₀	1997 03 09.50687	10 49 41.25	+12 42 52.4	411	1997 CB ₂₂	1997 02 16.68572	11 23 14.80	+05 13 26.2	411
1997 CH ₂₀	1997 03 09.52294	10 49 40.39	+12 42 59.8	411	1997 CB ₂₂	1997 02 16.69753	11 23 14.28	+05 13 28.3	411
1997 CJ ₂₀	1997 02 16.65683	11 10 50.74	+10 05 36.1	411	1997 CB ₂₂	1997 02 26.73378	11 15 10.81	+05 42 33.0	411
1997 CJ ₂₀	1997 02 16.67351	11 10 49.84	+10 05 43.0	411	1997 CB ₂₂	1997 02 26.74999	11 15 09.91	+05 42 35.7	411
1997 CJ ₂₀	1997 02 26.69685	11 01 26.48	+11 06 58.1	411	1997 CB ₂₂	1997 03 09.59539	11 05 30.20	+06 17 36.5	411
1997 CJ ₂₀	1997 02 26.70855	11 01 25.78	+11 07 02.3	411	1997 CB ₂₂	1997 03 09.61156	11 05 29.30	+06 17 39.8	411
1997 CJ ₂₀	1997 03 09.50978	10 50 20.92	+12 10 37.0	411	1997 CC ₂₂	1997 02 16.68724	11 23 20.80	+06 41 59.7	411
1997 CJ ₂₀	1997 03 09.52586	10 50 19.84	+12 10 42.6	411	1997 CC ₂₂	1997 02 16.69905	11 23 20.21	+06 42 02.9	411
1997 CK ₂₀	1997 02 16.65339	11 09 59.23	+10 34 07.9	411	1997 CC ₂₂	1997 02 26.73232	11 14 14.80	+07 16 08.4	411
1997 CK ₂₀	1997 02 16.67006	11 09 58.25	+10 34 12.4	411	1997 CC ₂₂	1997 02 26.74854	11 14 13.77	+07 16 11.4	411
1997 CK ₂₀	1997 02 26.68954	10 59 55.17	+11 20 38.2	411	1997 CC ₂₂	1997 03 09.59097	11 02 54.47	+07 56 09.8	411
1997 CK ₂₀	1997 02 26.70123	10 59 54.37	+11 20 41.8	411	1997 CC ₂₂	1997 03 09.60714	11 02 53.45	+07 56 12.9	411
1997 CK ₂₀	1997 03 09.50247	10 48 07.11	+12 06 03.2	411	1997 CD ₂₂	1997 02 16.70637	11 25 58.05	+07 13 29.9	411
1997 CK ₂₀	1997 03 09.51853	10 48 05.92	+12 06 06.8	411	1997 CD ₂₂	1997 02 16.71672	11 25 57.57	+07 13 35.3	411
1997 CL ₂₀	1997 02 16.65864	11 11 06.29	+10 33 56.2	411	1997 CD ₂₂	1997 02 26.74116	11 18 41.60	+08 26 04.6	411
1997 CL ₂₀	1997 02 16.67532	11 11 05.33	+10 34 01.9	411	1997 CD ₂₂	1997 02 26.75739	11 18 40.84	+08 26 11.6	411
1997 CL ₂₀	1997 02 26.69540	11 01 37.52	+11 36 55.9	411	1997 CD ₂₂	1997 03 09.59980	11 09 22.20	+09 46 54.4	411
1997 CL ₂₀	1997 02 26.70709	11 01 36.86	+11 37 01.1	411	1997 CD ₂₂	1997 03 09.61597	11 09 21.28	+09 47 00.9	411
1997 CL ₂₀	1997 03 09.50833	10 50 17.47	+12 42 38.4	411	1997 CE ₂₂	1997 02 16.70491	11 25 55.76	+07 22 23.8	411
1997 CL ₂₀	1997 03 09.52440	10 50 16.53	+12 42 44.1	411	1997 CE ₂₂	1997 02 16.71526	11 25 55.23	+07 22 25.5	411
1997 CM ₂₀	1997 02 16.70936	11 28 41.59	+09 49 05.8	411	1997 CE ₂₂	1997 02 26.73671	11 16 07.73	+07 36 48.9	411
1997 CM ₂₀	1997 02 16.71970	11 28 41.05	+09 49 09.2	411	1997 CE ₂₂	1997 02 26.75293	11 16 06.67	+07 36 50.3	411
1997 CM ₂₀	1997 03 02.67687	11 17 22.97	+11 14 02.4	411	1997 CE ₂₂	1997 03 09.59242	11 04 21.95	+07 53 06.6	411
1997 CM ₂₀	1997 03 02.68093	11 17 22.69	+11 14 03.5	411	1997 CE ₂₂	1997 03 09.60859	11 04 20.86	+07 53 08.4	411
1997 CM ₂₀	1997 03 09.61894	11 11 00.83	+11 53 05.3	411	1997 CZ ₂₅	1997 03 02.61697	09 30 40.97	+20 42 31.9	411
1997 CM ₂₀	1997 03 09.62482	11 11 00.52	+11 53 07.4	411	1997 CZ ₂₅	1997 03 02.63334	09 30 40.22	+20 42 34.2	411
1997 CN ₂₀	1997 02 14.71428	11 30 51.02	+11 26 37.9	411	1997 CZ ₂₅	1997 03 02.63947	09 30 39.90	+20 42 36.1	411
1997 CN ₂₀	1997 02 14.71766	11 30 50.69	+11 26 36.1	411	1997 CE ₂₆	1997 02 17.54285	11 17 31.70	+15 45 11.7	411
1997 CN ₂₀	1997 02 16.70784	11 28 07.05	+11 18 13.2	411	1997 CE ₂₆	1997 02 17.54626	11 17 31.48	+15 45 15.8	411
1997 CN ₂₀	1997 02 16.71819	11 28 06.07	+11 18 11.6	411	1997 CE ₂₆	1997 02 17.55472	11 17 31.09	+15 45 27.8	411
1997 CN ₂₀	1997 02 26.71451	11 12 39.84	+10 32 59.8	411	1997 CE ₂₆	1997 02 26.71156	11 09 58.58	+19 28 56.3	411
1997 CN ₂₀	1997 02 26.72339	11 12 38.81	+10 32 58.7	411	1997 CE ₂₆	1997 02 26.72043	11 09 58.01	+19 29 09.5	411
1997 CN ₂₀	1997 03 09.51416	10 54 25.47	+09 35 07.4	411	1997 CE ₂₆	1997 03 09.56591	10 59 33.60	+23 37 26.7	411
1997 CN ₂₀	1997 03 09.53023	10 54 23.80	+09 35 03.1	411	1997 CE ₂₆	1997 03 09.57920	10 59 32.83	+23 37 43.3	411
1997 CY ₂₁	1997 02 16.68134	11 20 00.27	+04 37 41.7	411	1997 CF ₂₆	1997 02 26.71303	11 10 59.40	+15 43 55.0	411
1997 CY ₂₁	1997 02 16.69312	11 19 59.84	+04 37 48.0	411	1997 CF ₂₆	1997 02 26.72190	11 10 58.92	+15 43 57.2	411
1997 CY ₂₁	1997 03 02.68578	11 10 53.63	+07 19 30.5	411	1997 CF ₂₆	1997 03 09.56742	11 00 58.17	+16 27 22.0	411
1997 CY ₂₁	1997 03 02.68918	11 10 53.50	+07 19 33.6	411	1997 CF ₂₆	1997 03 09.58070	11 00 57.41	+16 27 24.2	411
1997 CY ₂₁	1997 03 09.59685	11 05 50.28	+08 42 12.1	411	1997 CG ₂₆	1997 02 26.71751	11 13 14.61	+13 41 18.3	411
1997 CY ₂₁	1997 03 09.61302	11 05 49.53	+08 42 22.9	411	1997 CG ₂₆	1997 02 26.72638	11 13 14.07	+13 41 20.7	411
1997 CZ ₂₁	1997 02 16.68428	11 21 24.14	+06 57 37.1	411	1997 CG ₂₆	1997 03 09.56888	11 02 44.38	+14 31 35.2	411
1997 CZ ₂₁	1997 02 16.69606	11 21 23.47	+06 57 40.6	411	1997 CG ₂₆	1997 03 09.58216	11 02 43.57	+14 31 38.5	411
1997 CZ ₂₁	1997 02 26.72939	11 11 56.34	+07 45 21.4	411	1997 CH ₂₆	1997 02 26.71599	11 12 40.69	+15 09 53.4	411
1997 CZ ₂₁	1997 02 26.74561	11 11 55.22	+07 45 26.1	411	1997 CH ₂₆	1997 02 26.72487	11 12 40.14	+15 09 57.5	411
1997 CZ ₂₁	1997 03 09.58804	11 00 18.98	+08 39 26.7	411	1997 CK ₂₆	1997 02 26.71898	11 13 51.61	+17 13 49.4	411

1997 CK ₂₆	1997 02 26.72785	11 13 51.13	+17 13 52.9	411	1997 EL	1997 03 07.57218	11 35 52.77	+08 49 42.4	411
1997 CK ₂₆	1997 03 09.57035	11 03 09.61	+18 12 31.1	411	1997 EL	1997 03 12.56536	11 32 18.61	+09 25 13.6	411
1997 CK ₂₆	1997 03 09.58363	11 03 08.83	+18 12 33.9	411	1997 EL	1997 03 12.57562	11 32 18.15	+09 25 18.3	411
1997 CL ₂₆	1997 02 26.74409	11 21 25.90	+14 57 06.0	411	1997 EM	1997 03 07.57513	11 19 43.93	+10 40 09.5	411
1997 CL ₂₆	1997 02 26.76032	11 21 24.99	+14 57 12.2	411	1997 EM	1997 03 07.58361	11 19 43.35	+10 40 11.8	411
1997 CL ₂₆	1997 03 09.62041	11 11 36.55	+16 00 34.4	411	1997 EM	1997 03 08.49514	11 18 55.99	+10 45 07.9	411
1997 CL ₂₆	1997 03 09.62627	11 11 36.22	+16 00 36.8	411	1997 EM	1997 03 08.50531	11 18 55.53	+10 45 12.5	411
1997 EA	1997 03 07.53999	11 19 19.34	+10 00 46.2	411	1997 EM	1997 03 09.63067	11 17 56.60	+10 51 16.2	411
1997 EA	1997 03 07.54874	11 19 18.93	+10 00 52.5	411	1997 EM	1997 03 09.63744	11 17 56.29	+10 51 18.9	411
1997 EA	1997 03 12.53905	11 15 42.70	+10 48 01.7	411	1997 EM	1997 03 12.54050	11 15 25.02	+11 06 28.9	411
1997 EA	1997 03 12.55073	11 15 42.23	+10 48 07.5	411	1997 EM	1997 03 12.63013	11 15 20.17	+11 06 56.9	411
1997 EB	1997 03 07.53854	11 18 50.55	+09 58 06.8	411	1997 EN ₂	1997 03 09.66259	12 27 38.02	+01 30 09.1	411
1997 EB	1997 03 07.54729	11 18 50.04	+09 58 11.4	411	1997 EN ₂	1997 03 09.67894	12 27 37.48	+01 30 17.4	411
1997 EB	1997 03 12.53321	11 14 16.90	+10 33 02.9	411	1997 EN ₂	1997 03 12.59468	12 25 53.97	+01 54 22.4	411
1997 EB	1997 03 12.54488	11 14 16.20	+10 33 07.8	411	1997 EN ₂	1997 03 12.60790	12 25 53.44	+01 54 28.8	411
1997 EC	1997 03 07.59091	11 19 37.15	+10 47 28.2	411	1997 EO ₂	1997 03 09.64774	12 00 17.07	+06 32 40.9	411
1997 EC	1997 03 07.60108	11 19 36.52	+10 47 31.8	411	1997 EO ₂	1997 03 09.65505	12 00 16.61	+06 32 43.5	411
1997 EC	1997 03 08.49514	11 18 45.94	+10 54 58.4	411	1997 EP ₂	1997 03 09.66624	12 26 41.48	+04 17 22.6	411
1997 EC	1997 03 08.50531	11 18 45.27	+10 55 01.7	411	1997 EP ₂	1997 03 09.68260	12 26 40.70	+04 17 29.1	411
1997 ED	1997 03 07.54583	11 20 01.74	+10 07 50.1	411	1997 EQ ₂	1997 03 09.66442	12 25 33.47	+05 31 44.5	411
1997 ED	1997 03 07.55458	11 20 01.15	+10 07 53.4	411	1997 EQ ₂	1997 03 09.68077	12 25 32.59	+05 31 52.7	411
1997 ED	1997 03 12.54196	11 15 24.88	+10 31 19.7	411	1997 ER ₂	1997 03 09.64921	12 02 08.96	+07 14 36.9	411
1997 ED	1997 03 12.55364	11 15 24.26	+10 31 22.9	411	1997 ER ₂	1997 03 09.65651	12 02 08.52	+07 14 39.9	411
1997 EE	1997 03 07.54145	11 19 36.08	+11 09 52.7	411	1997 ER ₂	1997 03 12.57857	11 59 20.94	+07 30 56.5	411
1997 EE	1997 03 07.55020	11 19 35.57	+11 09 57.5	411	1997 ER ₂	1997 03 12.58587	11 59 20.42	+07 30 59.2	411
1997 EE	1997 03 12.53467	11 14 27.47	+11 32 51.4	411	1997 ES ₂	1997 03 09.66805	12 27 39.34	+01 47 10.8	411
1997 EE	1997 03 12.54635	11 14 26.72	+11 32 54.7	411	1997 ES ₂	1997 03 09.68442	12 27 38.46	+01 47 17.6	411
1997 EF	1997 03 07.55755	11 26 44.86	+11 25 58.4	411	1997 ES ₂	1997 03 12.59614	12 25 17.72	+02 07 05.2	411
1997 EF	1997 03 07.56634	11 26 44.36	+11 26 02.2	411	1997 ES ₂	1997 03 12.60936	12 25 17.01	+02 07 12.0	411
1997 EF	1997 03 12.55805	11 22 09.27	+11 54 04.4	411	1997 ET ₂	1997 03 09.67166	12 28 18.71	+02 34 55.1	411
1997 EF	1997 03 12.56829	11 22 08.70	+11 54 08.0	411	1997 ET ₂	1997 03 09.68802	12 28 18.12	+02 35 07.3	411
1997 EG	1997 03 07.55609	11 26 14.47	+08 42 20.3	411	1997 ET ₂	1997 03 12.59905	12 26 37.14	+03 12 18.4	411
1997 EG	1997 03 07.56488	11 26 13.93	+08 42 22.5	411	1997 ET ₂	1997 03 12.61227	12 26 36.58	+03 12 28.0	411
1997 EG	1997 03 12.55658	11 20 43.72	+08 51 58.8	411	1997 EU ₂	1997 03 09.66986	12 28 00.85	+02 50 37.3	411
1997 EG	1997 03 12.56683	11 20 43.02	+08 52 00.0	411	1997 EU ₂	1997 03 09.68621	12 28 00.07	+02 50 44.1	411
1997 EH	1997 03 07.55901	11 29 23.11	+10 24 46.8	411	1997 EU ₂	1997 03 12.59759	12 25 42.18	+03 09 33.7	411
1997 EH	1997 03 07.56780	11 29 22.64	+10 24 48.7	411	1997 EU ₂	1997 03 12.61082	12 25 41.36	+03 09 37.8	411
1997 EH	1997 03 12.55950	11 24 47.96	+10 53 33.5	411	1997 EV ₂	1997 03 09.67352	12 28 30.90	+04 04 07.7	411
1997 EH	1997 03 12.56975	11 24 47.37	+10 53 37.2	411	1997 EV ₂	1997 03 09.68988	12 28 30.35	+04 04 19.5	411
1997 EJ	1997 03 07.56194	11 30 57.59	+08 44 03.7	411	1997 EV ₂	1997 03 12.60056	12 26 51.35	+04 40 50.8	411
1997 EJ	1997 03 07.57071	11 30 57.13	+08 44 04.3	411	1997 EV ₂	1997 03 12.61379	12 26 50.84	+04 40 59.9	411
1997 EJ	1997 03 08.51165	11 30 07.64	+08 46 22.1	411	1997 EW ₂	1997 03 09.65067	12 05 37.16	+07 05 27.8	411
1997 EJ	1997 03 08.52182	11 30 07.12	+08 46 23.9	411	1997 EW ₂	1997 03 09.65797	12 05 36.80	+07 05 31.0	411
1997 EJ	1997 03 09.64044	11 29 07.80	+08 49 04.4	411	1997 EW ₂	1997 03 12.58003	12 03 21.23	+07 24 14.1	411
1997 EJ	1997 03 09.64447	11 29 07.58	+08 49 05.0	411	1997 EW ₂	1997 03 12.58733	12 03 20.85	+07 24 17.1	411
1997 EJ	1997 03 12.56241	11 26 33.01	+08 55 44.1	411	1997 EX ₂	1997 03 09.67714	12 29 07.56	+02 23 22.8	411
1997 EJ	1997 03 12.57267	11 26 32.45	+08 55 45.6	411	1997 EX ₂	1997 03 09.69349	12 29 06.83	+02 23 30.8	411
1997 EK	1997 03 07.56047	11 30 22.20	+11 30 43.7	411	1997 EY ₂	1997 03 09.65212	12 07 39.71	+04 42 40.4	411
1997 EK	1997 03 07.56925	11 30 21.71	+11 30 44.5	411	1997 EY ₂	1997 03 09.65943	12 07 39.33	+04 42 44.1	411
1997 EK	1997 03 12.56095	11 25 32.27	+11 36 23.8	411	1997 EY ₂	1997 03 12.58149	12 05 02.44	+05 05 19.6	411
1997 EK	1997 03 12.57121	11 25 31.64	+11 36 24.2	411	1997 EY ₂	1997 03 12.58879	12 05 02.13	+05 05 23.3	411
1997 EL	1997 03 07.56341	11 35 53.16	+08 49 38.1	411	1997 EZ ₂	1997 03 09.67533	12 28 54.23	+04 12 31.1	411

1997 EZ ₂	1997 03 09.69168	12 28 53.34	+04 12 34.4	411
1997 EZ ₂	1997 03 12.60202	12 26 17.19	+04 23 10.4	411
1997 EZ ₂	1997 03 12.61525	12 26 16.40	+04 23 12.4	411
1997 EA ₃	1997 03 12.58296	12 07 42.17	+08 40 57.0	411
1997 EA ₃	1997 03 12.59026	12 07 41.77	+08 41 00.2	411
1997 EB ₆	1997 03 09.63067	11 18 12.30	+10 58 38.5	411
1997 EB ₆	1997 03 09.63744	11 18 11.93	+10 58 40.7	411
1997 EB ₆	1997 03 12.54342	11 15 15.02	+11 13 43.1	411
1997 EB ₆	1997 03 12.55510	11 15 14.36	+11 13 45.6	411
1997 EC ₆	1997 03 09.63909	11 29 29.94	+08 57 04.3	411
1997 EC ₆	1997 03 09.64313	11 29 29.67	+08 57 06.4	411
1997 EC ₆	1997 03 12.56387	11 26 43.38	+09 11 23.0	411
1997 EC ₆	1997 03 12.57413	11 26 42.84	+09 11 25.3	411
1997 ED ₆	1997 03 09.62896	11 17 42.84	+10 52 51.0	411
1997 ED ₆	1997 03 09.63405	11 17 42.60	+10 52 52.6	411
1997 ED ₆	1997 03 09.63575	11 17 42.45	+10 52 53.3	411
(7535)	1997 02 11.60267	11 10 41.64	+14 51 47.7	411
(7535)	1997 02 11.61616	11 10 41.19	+14 51 50.5	411

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Observers K. S. Russell, R. H. McNaught

Measurers O. Hernius, R. H. McNaught

1.2-m U.K. Schmidt, 0.46-m Uppsala Schmidt

1990 QN ₅	1993 04 18.39929	12 30 35.81	-10 10 35.7	19.1	3 413
1993 HG ₈	* 1993 04 18.43884	12 55 57.83	+00 02 42.7	16.8	3 413
1996 YV ₁	1993 04 17.43889	12 03 31.74	-02 05 36.8	19.0	3 413
1997 CH ₂₂	1993 04 18.39929	12 14 55.09	-06 02 48.6	19.0	3 413
(413)	1994 07 17.61384	20 45 54.03	-29 32 33.6		413
(413)	1994 07 17.67634	20 45 51.68	-29 33 49.6		413

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0.25-m *f*/4.1 reflector + CCD

GSC

1996 RG ₃	1997 04 05.55682	14 17 05.05	-05 57 57.6	18.5	422
1996 RG ₃	1997 04 05.55849	14 17 04.79	-05 57 56.9	18.7	422
1996 RG ₃	1997 04 05.56013	14 17 04.55	-05 57 54.7	18.7	422
1997 CZ ₅	1997 04 05.52067	06 47 40.16	+03 06 44.0	16.3	422
1997 CZ ₅	1997 04 05.52145	06 47 40.29	+03 06 43.2	16.2	422
1997 CZ ₅	1997 04 05.52224	06 47 40.41	+03 06 42.8	16.0	422
1997 GH ₃	1997 04 10.49164	08 16 29.41	+19 22 52.1	16.3 R	422
1997 GH ₃	1997 04 10.49271	08 16 29.80	+19 22 51.4	16.3 R	422
1997 GH ₃	1997 04 10.49380	08 16 30.27	+19 22 50.9	16.5 R	422
1997 GL ₃	1997 04 09.76692	14 08 20.44	-06 24 16.8	15.3 R	422
1997 GL ₃	1997 04 09.76815	14 08 19.58	-06 24 10.9	15.3 R	422
1997 GL ₃	1997 04 09.76934	14 08 18.73	-06 24 04.9	15.3 R	422
1997 GL ₃	1997 04 09.78733	14 08 05.86	-06 22 35.7	15.2 R	422
1997 GL ₃	1997 04 09.78830	14 08 05.18	-06 22 31.2	15.0 R	422

1997 GL ₃	1997 04 09.78926	14 08 04.49	-06 22 26.4	15.5 R	422
1997 GL ₃	1997 04 10.51385	14 00 36.39	-05 28 44.0	15.4 R	422
1997 GL ₃	1997 04 10.51455	14 00 35.96	-05 28 41.3	15.3 R	422
1997 GL ₃	1997 04 10.52214	14 00 31.44	-05 28 10.6	15.4 R	422
1997 GL ₃	1997 04 10.58972	13 59 51.30	-05 23 41.2	15.5 R	422
1997 GL ₃	1997 04 10.60495	13 59 42.31	-05 22 40.8	15.5 R	422
1997 GL ₃	1997 04 10.61122	13 59 38.64	-05 22 16.3	15.5 R	422
1997 GL ₃	1997 04 12.53430	13 45 25.32	-03 40 48.1	15.9 R	422
1997 GL ₃	1997 04 12.53509	13 45 24.99	-03 40 45.8	16.0 R	422
1997 GL ₃	1997 04 12.53589	13 45 24.69	-03 40 44.4	15.8 R	422
1997 GL ₃	1997 04 13.48043	13 40 20.93	-03 04 38.1	15.8 R	422
1997 GL ₃	1997 04 13.48130	13 40 20.67	-03 04 36.0	15.8 R	422
1997 GL ₃	1997 04 13.48215	13 40 20.37	-03 04 34.2	15.9 R	422
1997 GO ₂₇	1997 04 16.56452	14 28 46.98	+05 37 22.0	18.2 R	422
1997 GO ₂₇	1997 04 16.56664	14 28 46.88	+05 37 25.9	18.2 R	422
1997 GO ₂₇	1997 04 16.56877	14 28 46.74	+05 37 31.5	18.3 R	422
(15)	1997 04 05.61100	18 10 31.55	-32 20 30.3	10.1 R	422
(15)	1997 04 05.61515	18 10 31.69	-32 20 30.6	10.2 R	422
(15)	1997 04 05.61581	18 10 31.71	-32 20 30.6	10.2 R	422
(15)	1997 04 07.77359	18 11 40.12	-32 22 18.2	10.3 R	422
(15)	1997 04 07.77469	18 11 40.13	-32 22 18.4	10.4 R	422
(15)	1997 04 07.77579	18 11 40.18	-32 22 18.3	10.3 R	422
(15)	1997 04 14.78906	18 14 37.15	-32 27 53.2	10.6 R	422
(15)	1997 04 14.79008	18 14 37.17	-32 27 53.2	10.6 R	422
(15)	1997 04 14.79109	18 14 37.19	-32 27 53.2	10.6 R	422
(15)	1997 04 18.77270	18 15 44.80	-32 30 51.9	10.2 R	422
(15)	1997 04 18.77360	18 15 44.81	-32 30 51.9	10.2 R	422
(15)	1997 04 18.77449	18 15 44.83	-32 30 52.2	10.3 R	422
(46)	1997 04 05.57819	16 35 17.36	-19 30 53.4	14.3 R	422
(46)	1997 04 05.57897	16 35 17.37	-19 30 53.2	14.3 R	422
(46)	1997 04 05.57974	16 35 17.36	-19 30 53.5	14.2 R	422
(46)	1997 04 07.76038	16 35 16.46	-19 28 03.1	13.9 R	422
(46)	1997 04 07.76151	16 35 16.45	-19 28 02.9	13.9 R	422
(46)	1997 04 07.76265	16 35 16.45	-19 28 03.0	13.8 R	422
(253)	1997 04 07.80036	23 07 30.27	-03 07 14.4	15.3 R	422
(253)	1997 04 07.80251	23 07 30.58	-03 07 13.1	15.4 R	422
(253)	1997 04 07.80313	23 07 30.66	-03 07 12.8	15.3 R	422
(253)	1997 04 09.80685	23 11 58.00	-02 42 26.2	15.3 R	422
(253)	1997 04 09.80815	23 11 58.10	-02 42 25.3	15.3 R	422
(253)	1997 04 18.81388	23 31 50.77	-00 51 02.8	15.3 R	F 422
(253)	1997 04 18.81456	23 31 50.88	-00 51 02.3	15.3 R	F 422

423 North Ryde

S. McAndrew, 2/32 Twin Rd, North Ryde, NSW 2113, Australia
[mcandrew@trinity.nsw.edu.au]

0.2-m *f*/4 hyperbolic astrograph + CCD

GSC

(1036)	1997 04 05.49023	12 34 24.81	-18 28 49.6	15.2 V	423
(1036)	1997 04 05.53773	12 34 22.36	-18 28 24.9	15.2 V	423
(1036)	1997 04 05.54836	12 34 21.78	-18 28 19.3	15.1 V	423
(1036)	1997 04 05.55644	12 34 21.37	-18 28 15.0	15.1 V	423
(1036)	1997 04 05.56277	12 34 21.03	-18 28 12.0	15.1 V	423
(1036)	1997 04 05.56903	12 34 20.73	-18 28 08.7	15.0 V	423

(1036)	1997 04 06.47412	12 33 35.21	-18 20 09.9	15.3 V	423
(1036)	1997 04 06.49398	12 33 34.18	-18 20 00.5	15.2 V	423
(1036)	1997 04 06.58450	12 33 29.49	-18 19 11.9	15.3 V	423
(1093)	1997 03 15.69431	14 41 22.56	+03 48 10.6	13.5 V	423
(1093)	1997 03 15.71497	14 41 22.10	+03 48 12.5	13.5 V	423
(1103)	1997 03 19.61892	12 12 37.77	-36 02 39.6	15.4 V	423
(1103)	1997 03 19.62403	12 12 37.40	-36 02 39.2	15.5 V	423
(1103)	1997 03 19.62920	12 12 36.98	-36 02 38.1	15.5 V	423
(1103)	1997 03 19.63414	12 12 36.60	-36 02 37.2	15.8 V	423
(1103)	1997 03 27.49619	12 02 58.36	-35 27 36.3	15.5 V	423
(1103)	1997 03 27.50457	12 02 57.74	-35 27 32.8	15.4 V	423
(1103)	1997 03 27.51726	12 02 56.72	-35 27 27.8	15.3 V	423
(1103)	1997 03 27.52444	12 02 56.18	-35 27 25.5	15.0 V	423
(1103)	1997 03 27.53689	12 02 55.25	-35 27 20.4	15.4 V	423
(1103)	1997 03 27.55608	12 02 53.77	-35 27 13.6	15.6 V	423
(1103)	1997 03 27.56402	12 02 53.16	-35 27 10.1	15.6 V	423
(1103)	1997 03 27.57831	12 02 52.04	-35 27 04.5	15.3 V	423
(1103)	1997 03 27.58472	12 02 51.55	-35 27 02.1	15.1 V	423
(1103)	1997 03 27.59906	12 02 50.45	-35 26 56.6	15.4 V	423
(1199)	1997 03 10.46700	10 47 58.55	-05 45 36.6	14.9 V	423
(1199)	1997 03 11.46786	10 47 14.29	-05 39 30.9	14.9 V	423
(1199)	1997 03 11.48705	10 47 13.43	-05 39 24.2	15.1 V	423
(1199)	1997 03 11.51412	10 47 12.20	-05 39 14.1	15.1 V	423
(1199)	1997 03 11.52938	10 47 11.50	-05 39 08.8	15.1 V	423
(1199)	1997 03 11.53579	10 47 11.23	-05 39 06.3	15.0 V	423
(1199)	1997 03 11.54310	10 47 10.84	-05 39 03.4	15.1 V	423
(1199)	1997 03 11.55034	10 47 10.54	-05 39 01.1	15.1 V	423
(1199)	1997 03 11.55800	10 47 10.17	-05 38 57.9	15.0 V	423
(1199)	1997 03 15.46024	10 44 22.52	-05 14 32.8	15.0 V	423
(1199)	1997 03 15.46524	10 44 22.28	-05 14 30.3	15.1 V	423
(1199)	1997 03 15.49971	10 44 20.80	-05 14 17.7	15.0 V	423
(1199)	1997 03 15.50529	10 44 20.57	-05 14 15.6	15.1 V	423
(1199)	1997 03 15.52685	10 44 19.61	-05 14 06.8	15.0 V	423
(1199)	1997 03 15.53676	10 44 19.19	-05 14 03.3	15.1 V	423
(1451)	1997 04 01.54218	12 55 23.15	-02 35 06.6	15.2 V	423
(1451)	1997 04 01.55994	12 55 22.19	-02 34 56.8	15.2 V	423
(1451)	1997 04 01.57105	12 55 21.58	-02 34 50.5	15.2 V	423
(1451)	1997 04 01.59536	12 55 20.28	-02 34 36.1	15.1 V	423
(1451)	1997 04 02.49359	12 54 34.60	-02 25 54.6	15.9 V	423
(1451)	1997 04 02.52865	12 54 32.74	-02 25 34.7	15.6 V	423
(1451)	1997 04 02.54694	12 54 31.72	-02 25 23.9	15.8 V	423
(1451)	1997 04 02.56303	12 54 30.83	-02 25 14.7	15.5 V	423
(1451)	1997 04 02.56949	12 54 30.50	-02 25 11.0	15.6 V	423
(1451)	1997 04 02.57453	12 54 30.21	-02 25 07.7	15.7 V	423
(1451)	1997 04 02.57940	12 54 29.99	-02 25 04.9	15.6 V	423
(1451)	1997 04 02.58456	12 54 29.70	-02 25 02.2	15.7 V	423
(1451)	1997 04 02.58939	12 54 29.40	-02 24 59.1	15.5 V	423
(1592)	1997 04 04.63994	16 57 20.72	-05 46 18.7	16.9 V	423
(1592)	1997 04 04.64670	16 57 20.93	-05 46 17.9	16.9 V	423
(1592)	1997 04 04.74340	16 57 24.34	-05 46 05.1	16.8 V	423
(1592)	1997 04 05.72730	16 58 00.33	-05 43 54.4	16.6 V	423
(1592)	1997 04 05.74278	16 58 00.86	-05 43 52.6	16.6 V	423

(1592)	1997 04 05.74851	16 58 01.04	-05 43 51.5	16.6 V	423
(1592)	1997 04 05.75488	16 58 01.26	-05 43 50.5	16.7 V	423
(1592)	1997 04 05.76458	16 58 01.60	-05 43 49.4	16.5 V	423
(1592)	1997 04 05.77381	16 58 01.89	-05 43 48.3	16.5 V	423
(1592)	1997 04 05.78330	16 58 02.21	-05 43 46.7	16.4 V	423
(2609)	1997 03 15.57057	12 24 02.22	-12 51 56.8	15.6 V	423
(2609)	1997 03 15.64713	12 23 57.68	-12 51 48.3	15.2 V	423
(2609)	1997 03 15.66278	12 23 56.74	-12 51 46.8	15.5 V	423
(2609)	1997 03 18.50788	12 21 13.14	-12 45 35.9	15.3 V	423
(2609)	1997 03 18.54374	12 21 10.90	-12 45 31.2	15.5 V	423
(2609)	1997 03 18.61398	12 21 06.58	-12 45 20.5	15.0 V	423
(3309)	1997 04 02.61094	14 04 58.24	-04 00 49.6	15.6 V	423
(3309)	1997 04 02.62170	14 04 57.20	-04 00 56.6	15.7 V	423
(3309)	1997 04 02.62950	14 04 56.43	-04 01 01.8	15.7 V	423
(3309)	1997 04 02.63455	14 04 55.93	-04 01 05.6	15.7 V	423
(3309)	1997 04 02.64007	14 04 55.40	-04 01 08.6	15.6 V	423
(3309)	1997 04 02.65545	14 04 53.90	-04 01 19.3	15.8 V	423
(3309)	1997 04 03.63220	14 03 20.87	-04 12 17.3	15.7 V	423
(3309)	1997 04 03.63853	14 03 20.26	-04 12 21.6	15.8 V	423
(3309)	1997 04 03.64375	14 03 19.72	-04 12 24.9	15.6 V	423
(3309)	1997 04 03.65343	14 03 18.75	-04 12 31.6	15.7 V	423
(3309)	1997 04 05.60035	14 00 06.63	-04 34 45.4	15.6 V	423
(3309)	1997 04 05.61557	14 00 05.04	-04 34 55.8	15.6 V	423
(3309)	1997 04 05.63366	14 00 03.16	-04 35 08.3	15.7 V	423
(3480)	1997 04 08.63365	14 21 28.81	-11 36 57.8	16.5 V	423
(3480)	1997 04 08.64979	14 21 28.29	-11 36 52.6	16.5 V	423
(3480)	1997 04 08.67774	14 21 27.32	-11 36 43.0	16.4 V	423
(3480)	1997 04 11.59924	14 19 50.51	-11 20 05.6	16.5 V	423
(3480)	1997 04 11.62678	14 19 49.48	-11 19 56.2	16.5 V	423
(3480)	1997 04 11.64984	14 19 48.60	-11 19 47.9	16.5 V	423
(7514)	1997 04 03.58447	12 56 39.62	-01 37 48.5	15.7 V	423
(7514)	1997 04 03.61185	12 56 37.98	-01 37 43.4	15.7 V	423
(7514)	1997 04 04.48602	12 55 49.93	-01 35 10.2	16.1 V	423
(7514)	1997 04 04.49939	12 55 49.16	-01 35 07.8	16.1 V	423
(7514)	1997 04 04.57421	12 55 44.74	-01 34 54.7	15.8 V	423
(7514)	1997 04 04.60392	12 55 43.01	-01 34 49.3	16.1 V	423
(7514)	1997 04 04.60891	12 55 42.74	-01 34 48.8	16.0 V	423

476 Grange Observatory

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0.30-m $f/4.0$ reflector + CCD

GSC

(2204)	1997 03 02.86076	06 53 49.14	+05 50 12.2	476
(2204)	1997 03 02.86910	06 53 49.79	+05 50 23.7	476
(2204)	1997 03 02.87674	06 53 50.42	+05 50 35.7	476

491 Yebes

J. F. Lahulla, Centro Astronómico de Yebes, Apartado 148, E-19080 Guadalajara,

Spain [lahulla@cay.es]

Observers J. F. Lahulla, J. García

0.40-m $f/5$ astrograph + CCD

GSC

(58)	1997 02 12.93604	07 40 04.36	+16 48 07.3	12.8 R	491
(58)	1997 02 13.00417	07 40 01.79	+16 48 22.7	12.7 R	491
(159)	1997 02 12.91181	07 18 19.75	+20 03 06.9	12.2 R	491
(159)	1997 02 12.98686	07 18 17.68	+20 03 22.4	12.2 R	491
(352)	1997 02 12.93969	07 43 31.39	+16 10 51.5		491
(352)	1997 02 13.00900	07 43 28.47	+16 11 00.4	13.1 R	491
(451)	1997 02 12.90199	07 46 33.56	+33 36 19.0	10.6 R	491
(451)	1997 02 12.97421	07 46 30.61	+33 36 30.5	10.5 R	491

494 Stakenbridge

B. G. W. Manning, Moonrakers, Stakenbridge, Churchill, Kidderminster, Worcs.

DY10 3LS, England [bgwm@star.sr.bham.ac.uk]

0.26-m $f/7.3$ reflector + CCD

PPM

1989 VX	1997 03 19.93041	11 53 27.34	+04 35 03.2		494
1989 VX	1997 03 19.93920	11 53 27.08	+04 35 05.3	18.2 R	494
1989 VX	1997 03 30.94530	11 45 36.58	+05 23 59.8		494
1989 VX	1997 03 30.95310	11 45 36.20	+05 24 01.6		494
1989 VX	1997 04 09.88318	11 39 20.09	+06 00 02.5		494
1989 VX	1997 04 09.89699	11 39 19.58	+06 00 05.0		494
1989 VX	1997 04 12.92228	11 37 39.40	+06 09 04.4		494
1989 VX	1997 04 12.93676	11 37 39.07	+06 09 06.0		494

511 Haute Provence

E. W. Elst, Royal Observatory, B-1180 Brussels, Belgium [elst@atmos.oma.be]

0.6-m Schmidt

1991 EA ₂	1991 02 11.92222	08 48 28.71	+15 13 02.4	18.0	511
1991 EA ₂	1991 02 11.95625	08 48 27.35	+15 13 15.7		511

540 Linz

E. Meyer, F. Marklstrasse 1/62, A-4040 Linz, Austria [k3032e0@c210.edvz.uni-linz.ac.at]

Observers E. Meyer, E. Obermair, H. Raab

0.30-m $f/5.2$ Schmidt Cassegrain + CCD

GSC

1996 AU ₁	1997 04 02.90086	13 36 52.81	-06 45 56.6	17.6 R	540
1996 AU ₁	1997 04 02.90633	13 36 52.54	-06 45 55.0		540
1996 AU ₁	1997 04 02.91142	13 36 52.33	-06 45 53.3		540
1996 AU ₁	1997 04 07.87289	13 33 19.45	-06 22 56.7	17.6 R	540
1996 AU ₁	1997 04 07.88598	13 33 18.84	-06 22 52.8		540
1996 AU ₁	1997 04 07.89873	13 33 18.32	-06 22 49.7		540
1997 EV ₃₂	* 1997 03 12.87153	11 29 18.44	+04 33 37.3	17.2 R	540
1997 EV ₃₂	1997 03 12.87795	11 29 18.15	+04 33 41.0		540
1997 EV ₃₂	1997 04 02.87960	11 13 44.21	+07 33 16.0	17.8 R	540
1997 EV ₃₂	1997 04 02.88792	11 13 43.92	+07 33 22.1		F 540
1997 GJ ₃	* 1997 04 07.87289	13 33 03.24	-06 29 24.3	17.9 R	540
1997 GJ ₃	1997 04 07.89873	13 33 02.05	-06 29 16.1		540
1997 GJ ₃	1997 04 08.86672	13 32 17.38	-06 24 15.1	17.5 R	540
1997 GJ ₃	1997 04 08.87416	13 32 17.02	-06 24 12.7		540

552 San Vittore

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0.45-m $f/3.3$ reflector + CCD

GSC

1978 VN ₂	1997 03 10.98647	11 20 45.90	+04 39 11.9	19.0 V	552
1978 VN ₂	1997 03 10.99654	11 20 45.44	+04 39 14.0		552
1978 VN ₂	1997 03 11.01035	11 20 44.87	+04 39 17.8		552
1978 VN ₂	1997 03 11.95148	11 20 03.31	+04 43 26.5	18.6 V	552
1978 VN ₂	1997 03 11.98170	11 20 02.07	+04 43 34.9		552
1978 VN ₂	1997 03 15.93881	11 17 08.87	+05 00 52.7	18.9 V	552
1978 VN ₂	1997 03 15.94860	11 17 08.41	+05 00 54.1		552
1978 VN ₂	1997 03 15.96941	11 17 07.39	+05 00 59.9		552
1995 SC ₂	1997 03 10.83247	08 40 17.80	+15 12 13.3	17.8 V	552
1995 SC ₂	1997 03 10.85407	08 40 17.43	+15 12 18.5		552
1995 SC ₂	1997 03 10.86934	08 40 17.05	+15 12 23.0		552
1995 SC ₂	1997 03 11.81354	08 40 00.82	+15 16 40.7	18.0 V	552
1995 SC ₂	1997 03 11.83731	08 40 00.38	+15 16 47.6		552
1995 SC ₂	1997 03 11.85539	08 40 00.06	+15 16 53.3		552
1995 UY ₁	1997 04 02.84479	10 01 01.59	+09 16 03.3	18.4 V	552
1995 UY ₁	1997 04 02.87854	10 01 01.05	+09 16 03.6		552
1995 UY ₁	1997 04 03.81086	10 00 47.80	+09 16 27.0	18.4 V	552
1995 UY ₁	1997 04 03.85228	10 00 47.20	+09 16 27.6		552
1997 DO	1997 03 04.87743	08 42 55.43	+14 48 44.3	18.5 V	552
1997 DO	1997 03 09.77829	08 41 20.96	+15 18 29.6	18.6 V	552
1997 DO	1997 03 09.82642	08 41 20.25	+15 18 46.0		552
1997 DO	1997 03 09.83697	08 41 20.10	+15 18 49.4		552
1997 DO	1997 03 10.84397	08 41 06.70	+15 24 27.5	19.1 V	552
1997 DO	1997 03 10.88222	08 41 06.18	+15 24 40.5		552
1997 DO	1997 03 11.80084	08 40 56.05	+15 29 39.5	19.5 V	552
1997 DO	1997 03 11.82598	08 40 55.64	+15 29 48.4		552
1997 DO	1997 03 11.84564	08 40 55.36	+15 29 54.7		552
1997 EL ₇	1997 03 10.95036	11 18 58.08	+05 00 59.5	18.0 V	552
1997 EL ₇	1997 03 10.97074	11 18 57.21	+05 01 16.9		552
1997 EL ₇	1997 03 12.01115	11 18 16.84	+05 16 21.5	18.1 V	552
1997 EL ₇	1997 03 12.02042	11 18 16.45	+05 16 27.2		552
1997 EL ₇	1997 03 12.03014	11 18 16.12	+05 16 36.0		552
1997 EL ₇	1997 03 15.91522	11 15 47.88	+06 12 25.2	18.2 V	552
1997 EL ₇	1997 03 15.92678	11 15 47.43	+06 12 35.5		552
1997 EL ₇	1997 04 03.83016	11 06 31.79	+10 10 40.1	17.9 V	552
1997 EL ₇	1997 04 03.87137	11 06 30.91	+10 11 05.8		552
1997 EL ₇	1997 04 09.84233	11 05 12.60	+11 07 26.9	18.7 V	552
1997 EL ₇	1997 04 09.90894	11 05 11.93	+11 08 02.0		552
1997 ER ₇	1997 03 09.77829	08 40 51.41	+15 16 48.8	18.1 V	552
1997 ER ₇	1997 03 09.80507	08 40 50.69	+15 16 51.4		552
1997 ER ₇	1997 03 09.82642	08 40 50.13	+15 16 52.0		552
1997 ER ₇	1997 03 09.83697	08 40 49.86	+15 16 54.0		552
1997 ER ₇	1997 03 10.83247	08 40 26.83	+15 18 05.2	18.5 V	552
1997 ER ₇	1997 03 10.85407	08 40 26.29	+15 18 07.9		552
1997 ER ₇	1997 03 10.86934	08 40 25.95	+15 18 08.6		552
1997 ER ₇	1997 03 11.81354	08 40 06.11	+15 19 09.9	18.2 V	552
1997 ER ₇	1997 03 11.83731	08 40 05.56	+15 19 10.7		552
1997 ER ₇	1997 03 11.85539	08 40 05.19	+15 19 12.6		552
1997 ES ₇	1997 03 10.89374	11 16 42.55	+04 43 48.3	18.2 V	552
1997 ES ₇	1997 03 10.91093	11 16 41.64	+04 43 58.4		552

1997 ES ₇	1997 03 11.87867	11 15 51.14	+04 53 13.0	18.4 V	552	1997 EQ ₁₇	1997 04 02.89653	10 59 54.93	+11 47 35.2		552
1997 ES ₇	1997 03 11.90260	11 15 49.85	+04 53 28.1		552	1997 EQ ₁₇	1997 04 03.82053	10 59 33.67	+11 57 09.4	17.0 V	552
1997 ES ₇	1997 03 15.85615	11 12 25.88	+05 30 56.2	19.0 V	552	1997 EQ ₁₇	1997 04 03.86324	10 59 32.65	+11 57 35.6		552
1997 ES ₇	1997 03 15.86568	11 12 25.26	+05 31 02.1		552	1997 ES ₃₀	* 1997 03 10.90274	11 16 41.42	+04 34 36.0	18.5 V	552
1997 ES ₇	1997 03 15.87431	11 12 24.82	+05 31 07.4		552	1997 ES ₃₀	1997 03 10.92014	11 16 40.29	+04 34 57.3		552
1997 ET ₇	1997 03 10.90274	11 17 04.99	+04 30 57.9	17.6 V	552	1997 ES ₃₀	1997 03 10.93247	11 16 39.65	+04 35 12.5		552
1997 ET ₇	1997 03 10.92014	11 17 04.00	+04 30 58.3		552	1997 ES ₃₀	1997 03 11.87867	11 15 46.76	+04 54 55.0	18.8 V	552
1997 ET ₇	1997 03 10.93247	11 17 03.25	+04 30 58.6		552	1997 ES ₃₀	1997 03 11.90260	11 15 45.31	+04 55 25.4		552
1997 ET ₇	1997 03 11.89146	11 16 07.33	+04 31 24.4	18.0 V	552	1997 EC ₄₆	* 1997 03 10.89374	11 16 25.73	+04 47 10.6	18.6 V	552
1997 ET ₇	1997 03 11.91470	11 16 05.96	+04 31 25.2		552	1997 EC ₄₆	1997 03 10.91093	11 16 24.92	+04 47 12.8		552
1997 ET ₇	1997 03 11.92848	11 16 05.13	+04 31 25.5		552	1997 EC ₄₆	1997 03 11.87867	11 15 36.44	+04 49 41.8	18.5 V	552
1997 ET ₇	1997 03 15.82536	11 12 18.66	+04 33 00.0	17.7 V	552	1997 EC ₄₆	1997 03 11.90260	11 15 35.19	+04 49 46.1		552
1997 ET ₇	1997 03 15.83807	11 12 17.85	+04 33 00.3		552	1997 EJ ₄₆	* 1997 03 10.95036	11 18 54.66	+05 02 02.5	20.0 V	552
1997 ET ₇	1997 03 15.84852	11 12 17.24	+04 33 00.6		552	1997 EJ ₄₆	1997 03 10.97074	11 18 53.39	+05 02 11.1		552
1997 ET ₇	1997 04 03.83759	10 55 34.07	+04 31 55.5	18.1 V	552	1997 EJ ₄₆	1997 03 12.01115	11 17 50.46	+05 09 15.5	19.9 V	552
1997 ET ₇	1997 04 03.87767	10 55 32.18	+04 31 53.9		552	1997 EJ ₄₆	1997 03 12.02042	11 17 49.84	+05 09 17.7		552
1997 ET ₇	1997 04 09.85104	10 51 22.12	+04 26 50.7	18.3 V	552	1997 EJ ₄₆	1997 03 12.03014	11 17 49.32	+05 09 22.5		552
1997 ET ₇	1997 04 09.88556	10 51 20.73	+04 26 48.9		552	1266 T-2	1997 03 10.98647	11 21 22.61	+04 44 21.6	17.7 V	552
1997 EU ₇	1997 03 10.94449	11 18 17.63	+04 40 54.2	18.9 V	552	1266 T-2	1997 03 10.99654	11 21 21.97	+04 44 23.7		552
1997 EU ₇	1997 03 10.96218	11 18 16.81	+04 40 59.6		552	1266 T-2	1997 03 11.01035	11 21 21.11	+04 44 26.5		552
1997 EU ₇	1997 03 11.94331	11 17 32.32	+04 45 21.8	19.2 V	552	1266 T-2	1997 03 11.95148	11 20 22.87	+04 47 50.9	17.7 V	552
1997 EU ₇	1997 03 11.96961	11 17 31.34	+04 45 25.3		552	1266 T-2	1997 03 11.98170	11 20 20.94	+04 47 57.3		552
1997 EU ₇	1997 03 12.00175	11 17 29.52	+04 45 35.4		552	1266 T-2	1997 03 15.93881	11 16 17.14	+05 02 00.7	17.9 V	552
1997 EU ₇	1997 03 15.88763	11 14 34.17	+05 02 43.9	19.1 V	552	1266 T-2	1997 03 15.94218	11 16 16.95	+05 02 01.5		552
1997 EU ₇	1997 03 15.89888	11 14 33.71	+05 02 46.5		552	1266 T-2	1997 03 15.94860	11 16 16.55	+05 02 02.6		552
1997 EU ₇	1997 03 15.90513	11 14 33.33	+05 02 49.7		552	1266 T-2	1997 03 15.95247	11 16 16.30	+05 02 03.5		552
1997 EV ₇	1997 03 10.94449	11 18 24.20	+04 40 07.3	19.0 V	552	1266 T-2	1997 03 15.96462	11 16 15.54	+05 02 06.0		552
1997 EV ₇	1997 03 10.96218	11 18 23.35	+04 40 12.3		552	1266 T-2	1997 03 15.96941	11 16 15.23	+05 02 07.5		552
1997 EV ₇	1997 03 11.94331	11 17 39.69	+04 45 09.8	19.5 V	552	(4167)	1997 04 03.86324	11 00 01.53	+11 57 47.1	16.1 V	552
1997 EV ₇	1997 03 11.96961	11 17 38.65	+04 45 18.4		552	(6540)	1997 04 03.83759	10 55 23.12	+04 25 59.0	17.6 V	552
1997 EV ₇	1997 03 12.00175	11 17 36.99	+04 45 27.2		552	(6540)	1997 04 03.87767	10 55 21.57	+04 26 13.4		552
1997 EV ₇	1997 03 15.88763	11 14 44.82	+05 04 50.9	19.5 V	552	557 Ondřejov					
1997 EV ₇	1997 03 15.89888	11 14 44.35	+05 04 52.0		552	P. Pravec, Astronomical Institute, Czech Academy of Sciences, CZ-25165 Ondřejov,					
1997 EV ₇	1997 03 15.90513	11 14 44.04	+05 04 55.4		552	Czech Republic [ppravec@asu.cas.cz]					
1997 EX ₇	1997 03 10.98647	11 20 45.13	+04 35 19.3	18.3 V	552	Observers P. Pravec, L. Šarounová, M. Wolf, J. Ďurech					
1997 EX ₇	1997 03 10.99654	11 20 44.61	+04 35 22.3		552	0.65-m <i>f</i> /3.6 reflector + CCD					
1997 EX ₇	1997 03 11.01035	11 20 43.79	+04 35 25.7		552	GSC					
1997 EX ₇	1997 03 11.95148	11 19 51.18	+04 39 36.9	18.6 V	552	1991 VH	1997 03 12.79688	11 41 46.32	+33 04 20.5	16.1 V	557
1997 EX ₇	1997 03 11.98170	11 19 49.45	+04 39 45.3		552	1991 VH	1997 03 12.85155	11 41 40.25	+33 06 24.3		557
1997 EX ₇	1997 03 15.94218	11 16 10.35	+04 57 06.2	18.1 V	552	1991 VH	1997 03 12.90162	11 41 34.59	+33 08 17.0		557
1997 EX ₇	1997 03 15.95247	11 16 09.75	+04 57 09.7		552	1991 VH	1997 03 12.98701	11 41 24.84	+33 11 26.6		557
1997 EX ₇	1997 03 15.96462	11 16 09.13	+04 57 12.5		552	1991 VH	1997 03 13.06326	11 41 16.17	+33 14 13.4		557
1997 EX ₇	1997 04 07.82873	10 58 55.59	+06 13 18.5	19.1 V	552	1991 VH	1997 04 09.81830	11 03 23.52	+41 34 38.9		557
1997 EX ₇	1997 04 07.83233	10 58 55.41	+06 13 21.3		552	1991 VH	1997 04 09.83396	11 03 22.85	+41 34 41.3		557
1997 EX ₇	1997 04 07.86852	10 58 54.25	+06 13 24.4		552	1991 VH	1997 04 09.85720	11 03 21.87	+41 34 43.9		557
1997 EY ₇	1997 03 10.90274	11 17 05.17	+04 29 50.5	19.5 V	552	1991 VH	1997 04 09.88411	11 03 20.73	+41 34 47.1		557
1997 EY ₇	1997 03 10.92014	11 17 04.16	+04 29 55.8		552	1991 VH	1997 04 09.90749	11 03 19.76	+41 34 50.0		557
1997 EY ₇	1997 03 10.93247	11 17 03.39	+04 30 00.3		552	1991 VH	1997 04 09.92580	11 03 18.99	+41 34 51.6		557
1997 EY ₇	1997 03 11.89146	11 16 07.56	+04 35 15.8	20.0 V	552	1991 VH	1997 04 13.81491	11 01 37.01	+41 36 08.9		557
1997 EY ₇	1997 03 11.91470	11 16 06.21	+04 35 25.9		552	1991 VH	1997 04 13.86470	11 01 35.76	+41 36 05.6		557
1997 EY ₇	1997 03 11.92848	11 16 05.29	+04 35 27.5		552	1991 VH	1997 04 13.91653	11 01 34.47	+41 36 01.0		557
1997 EQ ₁₇	1997 04 02.85912	10 59 55.88	+11 47 11.8	17.5 V	552	1991 VH	1997 04 13.98383	11 01 32.86	+41 35 54.2	17.5 V	557

1992 CC ₁	1997 04 01.80612	10 32 41.32	-02 49 50.8		557	1997 FD	1997 02 08.06509	10 26 42.07	+07 26 48.3		557
1992 CC ₁	1997 04 02.00086	10 32 18.32	-02 50 56.0		557	1997 FD	1997 02 08.08242	10 26 41.26	+07 26 56.3	18.7 V	557
1995 QJ	1997 03 09.79528	10 54 32.74	+08 27 41.9	18.9 V	557	1997 FD	1997 02 08.08840	10 26 40.95	+07 26 58.7		557
1995 QJ	1997 03 09.79839	10 54 32.54	+08 27 42.8		557	1997 GC	* 1997 04 02.03147	14 18 40.16	-16 29 26.1		557
1995 QJ	1997 03 09.80439	10 54 32.20	+08 27 45.0		557	1997 GC	1997 04 02.03469	14 18 40.03	-16 29 26.3	18.1 V	557
1995 QJ	1997 04 01.95348	10 37 45.03	+10 29 21.9		557	1997 GC	1997 04 02.03782	14 18 39.92	-16 29 26.7		557
1995 QJ	1997 04 01.95751	10 37 44.91	+10 29 22.6		557	1997 GC	1997 04 03.02593	14 18 06.76	-16 30 43.5		557
1995 QJ	1997 04 01.96071	10 37 44.79	+10 29 23.2		557	1997 GC	1997 04 07.00810	14 15 36.89	-16 34 28.3		557
1995 QP	1997 04 02.83396	09 26 42.56	+17 39 53.8		557	1997 GC	1997 04 07.01120	14 15 36.75	-16 34 28.3		557
1995 QP	1997 04 02.83715	09 26 42.54	+17 39 53.2		557	1997 GC	1997 04 07.01617	14 15 36.54	-16 34 28.7		557
1995 QP	1997 04 02.85375	09 26 42.37	+17 39 51.3		557	1997 GC	1997 04 13.01387	14 11 09.30	-16 36 01.8		557
1995 QP	1997 04 02.85716	09 26 42.27	+17 39 51.4		557	1997 GC	1997 04 13.01616	14 11 09.17	-16 36 01.9		557
1995 SG	1997 03 09.85228	10 00 01.60	+10 01 17.7	19.3 V	557	1997 GC	1997 04 13.02529	14 11 08.75	-16 36 01.8		557
1995 SG	1997 03 09.85556	10 00 01.46	+10 01 18.9		557	1997 GC	1997 04 13.02706	14 11 08.67	-16 36 01.7	18.0 V	557
1995 SG	1997 03 09.85855	10 00 01.34	+10 01 19.6		557	1997 GN	1997 04 07.03230	13 04 03.39	-06 39 46.4	17.4 V	557
1995 SG	1997 03 11.82226	09 58 34.67	+10 10 07.5		557	1997 GN	1997 04 07.03809	13 04 03.13	-06 39 39.4		557
1995 SG	1997 03 11.82566	09 58 34.53	+10 10 08.6	19.3 V	557	1997 GN	1997 04 07.05341	13 04 02.35	-06 39 20.5		557
1995 SP	1997 04 02.05275	12 56 35.60	-06 18 37.4		557	1997 GM ₁	1997 04 08.84606	11 26 01.30	+02 30 09.0	19.4 V	r 557
1995 SP	1997 04 02.05951	12 56 35.14	-06 18 36.1		557	1997 GN ₁	* 1997 04 08.01753	12 46 33.59	-08 02 31.9		557
1995 SP	1997 04 02.06611	12 56 34.72	-06 18 34.9		557	1997 GN ₁	1997 04 08.02066	12 46 33.43	-08 02 30.9		557
1995 SJ ₁	1997 02 03.14163	12 15 40.81	-01 10 50.3		557	1997 GN ₁	1997 04 08.02369	12 46 33.25	-08 02 30.6		557
1995 SJ ₁	1997 02 03.14500	12 15 40.73	-01 10 50.3		557	1997 GN ₁	1997 04 08.02674	12 46 33.10	-08 02 29.7		557
1995 SJ ₁	1997 02 03.15877	12 15 40.50	-01 10 49.9		557	1997 GN ₁	1997 04 08.02988	12 46 32.92	-08 02 29.3	19.4 V	557
1995 SJ ₁	1997 04 02.84705	11 30 29.88	+02 13 01.7	r	557	1997 GN ₁	1997 04 08.90397	12 45 46.84	-07 59 23.1		557
1995 SJ ₁	1997 04 02.85029	11 30 29.71	+02 13 02.6	r	557	1997 GN ₁	1997 04 08.92839	12 45 45.52	-07 59 19.4		557
1995 SJ ₁	1997 04 04.84036	11 28 58.13	+02 20 16.6	b	557	1997 GN ₁	1997 04 08.93149	12 45 45.37	-07 59 18.6		557
1995 SJ ₁	1997 04 04.84431	11 28 57.93	+02 20 17.2	b	557	1997 GN ₁	1997 04 08.93461	12 45 45.22	-07 59 17.7		557
1995 SJ ₁	1997 04 04.84803	11 28 57.70	+02 20 18.1	b	557	1997 GO ₁	1997 04 08.01753	12 46 47.86	-08 03 22.6		557
1995 SJ ₁	1997 04 08.84606	11 26 07.96	+02 33 29.6	19.3 V	r 557	1997 GO ₁	1997 04 08.02066	12 46 47.68	-08 03 21.5		557
1996 AY ₁	1997 04 02.01810	12 20 37.10	+19 57 16.4	19.5 V	557	1997 GO ₁	1997 04 08.02369	12 46 47.50	-08 03 20.7		557
1996 AY ₁	1997 04 02.02112	12 20 36.95	+19 57 17.1		557	1997 GO ₁	1997 04 08.02674	12 46 47.33	-08 03 19.5		557
1996 AY ₁	1997 04 02.02398	12 20 36.84	+19 57 18.1		557	1997 GO ₁	1997 04 08.02988	12 46 47.15	-08 03 18.5	18.8 V	557
1996 YU ₂	1997 04 02.79178	05 44 33.81	+10 33 55.6		557	1997 GO ₁	1997 04 08.92839	12 45 58.29	-07 58 17.4		557
1996 YU ₂	1997 04 02.80465	05 44 34.70	+10 33 58.3		557	1997 GO ₁	1997 04 08.93149	12 45 58.12	-07 58 16.2		557
1997 AE ₁₈	1997 04 01.78476	07 55 16.76	+18 42 41.0		557	1997 GO ₁	1997 04 08.93461	12 45 57.95	-07 58 15.4		557
1997 AE ₁₈	1997 04 01.82752	07 55 18.19	+18 42 33.6		557	1997 GF ₃	1997 04 07.87666	13 24 02.50	-01 22 20.9		r 557
1997 CB	1997 04 01.83441	10 38 23.80	+11 59 12.3		557	1997 GF ₃	1997 04 07.87968	13 24 02.40	-01 22 11.6	18.7 V	r 557
1997 CB	1997 04 01.93109	10 38 20.41	+11 59 43.4	18.6 V	557	1997 GG ₃	1997 04 07.03230	13 04 18.58	-06 38 05.7	18.9 V	557
1997 CB	1997 04 13.86815	10 33 05.09	+12 52 10.8		557	1997 GG ₃	1997 04 07.03809	13 04 18.16	-06 38 03.8		557
1997 CB	1997 04 13.88623	10 33 04.78	+12 52 14.5		557	1997 GH ₃	1997 04 08.79330	08 04 59.32	+19 37 00.3		557
1997 DF	1997 04 01.85954	08 59 49.89	+28 17 46.4	19.9 V	557	1997 GH ₃	1997 04 08.79457	08 04 59.82	+19 36 59.6		557
1997 DF	1997 04 02.81311	09 00 55.69	+28 22 51.4		557	1997 GH ₃	1997 04 08.79583	08 05 00.35	+19 36 59.0	16.8 V	557
1997 DF	1997 04 02.81648	09 00 55.95	+28 22 52.0		557	1997 GH ₃	1997 04 11.89473	08 26 05.34	+19 07 38.2		557
1997 DF	1997 04 02.81985	09 00 56.12	+28 22 53.1		557	1997 GH ₃	1997 04 11.89852	08 26 06.87	+19 07 35.0		557
1997 DF	1997 04 02.82323	09 00 56.33	+28 22 54.6	19.9 V	557	1997 GH ₃	1997 04 11.89978	08 26 07.39	+19 07 34.0	16.6 V	557
1997 EN	1997 04 01.77869	08 42 49.66	+21 16 47.8		557	1997 GH ₃	1997 04 13.78773	08 39 06.85	+18 44 28.1		557
1997 EN	1997 04 01.83035	08 42 51.14	+21 16 43.8		557	1997 GH ₃	1997 04 13.78900	08 39 07.38	+18 44 27.0		557
1997 EL ₁₁	1997 03 31.77493	12 15 57.12	+18 50 44.8		557	1997 GH ₃	1997 04 13.79028	08 39 07.92	+18 44 26.0		557
1997 EL ₁₁	1997 03 31.85341	12 15 52.61	+18 50 52.3		557	1997 GH ₃	1997 04 13.79154	08 39 08.42	+18 44 25.0		557
1997 EL ₁₁	1997 04 04.86105	12 12 05.65	+18 55 17.6		557	1997 GH ₃	1997 04 13.79280	08 39 08.94	+18 44 23.9		557
1997 EL ₁₁	1997 04 04.86500	12 12 05.44	+18 55 17.9		557	1997 GH ₃	1997 04 13.79407	08 39 09.44	+18 44 22.7	16.9 V	557
1997 EL ₁₁	1997 04 04.86911	12 12 05.20	+18 55 17.8		557	1997 GK ₃	1997 04 07.90912	14 46 49.26	+02 08 15.8		557

1997 GK ₃	1997 04 07.91015	14 46 48.84	+02 08 05.1	557
1997 GK ₃	1997 04 07.91222	14 46 48.00	+02 07 40.8	557
1997 GK ₃	1997 04 07.91324	14 46 47.52	+02 07 27.8	557
1997 GK ₃	1997 04 07.91534	14 46 46.75	+02 07 03.9	557
1997 GK ₃	1997 04 07.91637	14 46 46.33	+02 06 53.1	19.2 V 557
1997 GL ₃	1997 04 10.00682	14 05 42.57	-06 07 15.5	557
1997 GL ₃	1997 04 10.03075	14 05 26.37	-06 05 24.5	557
1997 GL ₃	1997 04 10.04669	14 05 15.68	-06 04 11.3	557
1997 GL ₃	1997 04 10.06844	14 05 01.14	-06 02 31.5	557
1997 GL ₃	1997 04 10.07959	14 04 53.74	-06 01 40.7	557
1997 GL ₃	1997 04 10.09495	14 04 43.58	-06 00 30.8	557
1997 GL ₃	1997 04 10.11676	14 04 29.33	-05 58 52.2	15.0 V 557
1997 GL ₃	1997 04 11.95598	13 49 02.81	-04 08 19.3	557
1997 GL ₃	1997 04 11.98388	13 48 51.06	-04 06 59.4	557
1997 GL ₃	1997 04 12.01475	13 48 38.16	-04 05 31.5	557
1997 GL ₃	1997 04 12.06390	13 48 17.82	-04 03 12.1	557
1997 GL ₃	1997 04 12.08450	13 48 09.41	-04 02 13.9	557
1997 GL ₃	1997 04 12.11414	13 47 57.42	-04 00 50.6	14.9 V 557
1997 GL ₃	1997 04 12.99101	13 42 48.82	-03 23 51.7	557
1997 GL ₃	1997 04 13.02370	13 42 37.72	-03 22 36.5	557
1997 GL ₃	1997 04 13.04731	13 42 29.77	-03 21 42.4	557
1997 GL ₃	1997 04 13.06432	13 42 24.09	-03 21 03.7	557
1997 GL ₃	1997 04 13.08765	13 42 16.37	-03 20 10.7	557
1997 GL ₃	1997 04 13.10719	13 42 09.96	-03 19 26.7	15.3 V 557
1997 GX ₂₅	* 1997 04 11.95291	13 49 10.90	-04 11 21.4	18.0 V 557
1997 GX ₂₅	1997 04 11.95442	13 49 10.74	-04 11 22.4	17.9 V 557
1997 GX ₂₅	1997 04 11.99843	13 49 06.06	-04 11 56.7	557
1997 GX ₂₅	1997 04 12.05306	13 49 00.24	-04 12 40.3	557
1997 GX ₂₅	1997 04 12.05559	13 48 59.97	-04 12 42.1	17.9 V 557
1997 GX ₂₅	1997 04 12.10368	13 48 54.87	-04 13 20.0	557
1997 GX ₂₅	1997 04 12.10550	13 48 54.67	-04 13 21.2	557
1997 GX ₂₅	1997 04 13.00218	13 47 21.47	-04 25 08.0	557
1997 GX ₂₅	1997 04 13.00377	13 47 21.30	-04 25 09.0	557
1997 GX ₂₅	1997 04 13.00535	13 47 21.15	-04 25 10.5	18.1 V 557
1997 GX ₂₅	1997 04 14.00490	13 45 36.82	-04 38 20.4	S 557
1997 GX ₂₅	1997 04 14.01100	13 45 36.15	-04 38 24.5	S 557
6614 P-L	1997 04 01.83441	10 38 39.26	+11 57 37.0	19.0 V 557
6614 P-L	1997 04 01.93109	10 38 36.13	+11 57 53.7	557
(3671)	1997 04 07.96330	14 28 41.03	+21 30 33.9	557
(3671)	1997 04 07.96860	14 28 40.86	+21 30 39.2	557
(5587)	1997 04 07.83594	09 09 03.19	+02 58 17.0	557
(5587)	1997 04 07.84894	09 09 03.07	+02 58 26.4	557
(5587)	1997 04 07.89455	09 09 02.61	+02 58 59.0	557
(5587)	1997 04 07.92986	09 09 02.26	+02 59 24.2	557
(5587)	1997 04 08.80336	09 08 56.06	+03 09 50.5	557
(5587)	1997 04 08.82186	09 08 55.92	+03 10 03.6	557
(7482)	1997 03 11.09711	20 26 16.98	+49 47 35.4	557
(7482)	1997 03 11.10481	20 26 16.84	+49 47 30.4	17.3 V 557
(7482)	1997 03 11.16279	20 26 15.58	+49 46 55.4	557
(7482)	1997 03 11.17050	20 26 15.39	+49 46 50.3	557

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0.40-m *f*/3.5 reflector + CCD

GSC

1997 GL ₁	* 1997 04 04.90286	11 22 31.07	+02 07 47.5	16.7 V	560
1997 GL ₁	1997 04 04.91266	11 22 30.70	+02 07 53.0		560
1997 GL ₁	1997 04 04.92677	11 22 30.10	+02 07 58.1		560
1997 GL ₁	1997 04 05.88803	11 21 58.62	+02 14 23.4	16.7 V	560
1997 GL ₁	1997 04 05.89492	11 21 58.30	+02 14 25.3		560
1997 GL ₁	1997 04 05.90098	11 21 58.13	+02 14 28.2		560
2189 T-2	1997 04 04.90286	11 22 47.26	+02 04 24.5	17.3 V	560
2189 T-2	1997 04 04.91266	11 22 46.84	+02 04 28.8		560
2189 T-2	1997 04 04.92677	11 22 46.12	+02 04 32.8		560
2189 T-2	1997 04 05.88803	11 22 06.93	+02 08 59.4	17.5 V	560
2189 T-2	1997 04 05.89492	11 22 06.73	+02 09 02.1		560
2189 T-2	1997 04 05.90098	11 22 06.42	+02 09 03.3		560
2189 T-2	1997 04 07.88095	11 20 49.13	+02 17 56.1	17.5 V	560
2189 T-2	1997 04 07.89009	11 20 48.67	+02 17 58.1		560
2189 T-2	1997 04 07.89559	11 20 48.50	+02 17 58.3		560
(5522)	1997 04 04.90814	11 22 41.26	+01 50 29.5	17.2 V	560
(5522)	1997 04 04.91743	11 22 40.84	+01 50 31.7		560
(5522)	1997 04 04.93117	11 22 40.23	+01 50 35.3		560

563 Seewalchen

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0.25-m *f*/6 reflector + CCD

GSC

1986 WO ₉	1997 02 02.91321	09 03 21.63	+12 08 39.2	15.8 V	563
1986 WO ₉	1997 02 02.91946	09 03 21.19	+12 08 41.9	16.2 V	563
1986 WO ₉	1997 02 02.92571	09 03 20.84	+12 08 44.8	16.2 V	563
1986 WO ₉	1997 02 02.93126	09 03 20.56	+12 08 45.7	16.2 V	563
1989 BE ₁	1997 03 12.93862	11 15 36.69	+11 18 44.2	15.8 V	563
1989 BE ₁	1997 03 12.94415	11 15 36.38	+11 18 47.5	15.7 V	563
1989 BE ₁	1997 03 12.94898	11 15 36.07	+11 18 48.6	15.8 V	563
1989 BE ₁	1997 03 12.95389	11 15 35.93	+11 18 51.5	15.8 V	563
1989 YK	1997 02 10.89787	08 55 24.14	+12 44 44.3	16.1 V	563
1989 YK	1997 02 10.90361	08 55 23.82	+12 44 46.3	16.0 V	563
1989 YK	1997 02 10.90911	08 55 23.45	+12 44 48.1	16.0 V	563
1993 HM ₁	1997 03 12.97260	11 16 40.59	+21 27 47.9	16.5 V	563
1993 HM ₁	1997 03 12.97819	11 16 40.35	+21 27 50.7	16.3 V	563
1993 HM ₁	1997 03 12.98370	11 16 40.23	+21 27 55.7	15.6 V	563
1993 HM ₁	1997 03 12.98856	11 16 39.92	+21 27 57.4	15.8 V	563
(7338)	1997 02 02.96241	09 04 56.61	+05 54 32.6	16.5 V	563
(7338)	1997 02 02.96796	09 04 56.29	+05 54 33.3	16.3 V	563
(7338)	1997 02 02.97352	09 04 56.01	+05 54 34.3	16.4 V	563
(7338)	1997 02 02.97905	09 04 55.70	+05 54 34.6	16.5 V	563
(7374)	1997 02 02.84777	08 57 18.85	+20 02 47.5	15.7 V	563
(7374)	1997 02 02.86037	08 57 18.09	+20 02 48.1	15.5 V	563
(7374)	1997 02 02.86582	08 57 17.77	+20 02 48.3	15.8 V	563
(7374)	1997 02 02.87207	08 57 17.41	+20 02 48.4	15.9 V	563

(7516)	1997 03 12.83179	11 16 34.34	+04 25 40.0	16.1 V	563	1991 PY ₂	1997 04 05.25249	07 57 44.83	+20 27 41.7	19.3 V	566
(7516)	1997 03 12.83789	11 16 33.89	+04 25 41.5	16.1 V	563	1991 PY ₂	1997 04 07.35777	07 59 54.15	+20 12 38.1	18.7 V	566
(7516)	1997 03 12.85040	11 16 33.43	+04 25 51.3	16.1 V	563	1991 PY ₂	1997 04 07.37647	07 59 55.22	+20 12 30.3	18.9 V	566
(7516)	1997 03 12.85596	11 16 32.94	+04 25 52.9	16.2 V	563	1991 PY ₂	1997 04 07.38491	07 59 55.80	+20 12 26.4	18.7 V	566
566 Haleakala-NEAT/GEODSS						1991 PG ₁₁	1997 04 07.34074	10 46 08.73	+06 43 22.8	19.5 V	566
E. F. Helin, MS 183-501, Jet Propulsion Laboratory, Pasadena, CA 91109, U.S.A.						1991 PG ₁₁	1997 04 07.34927	10 46 08.46	+06 43 26.5	19.3 V	566
[efh@ipl.jpl.nasa.gov]						1991 PG ₁₁	1997 04 07.35982	10 46 08.10	+06 43 30.3	20.3 V	566
Observers E. F. Helin, S. H. Pravdo, K. J. Lawrence, D. L. Rabinowitz, S. Groom,						1992 HX	1997 04 07.58549	12 53 34.96	-04 23 44.4	19.5 V	566
C. Clark, R. Bamberg, S. Levin, J. Lorre, S. Shaklan, R. Byrd, A. Esquibel,						1992 HX	1997 04 07.59390	12 53 34.56	-04 23 42.1	19.1 V	566
C. Cotton, D. Bascon						1992 HX	1997 04 07.60229	12 53 34.16	-04 23 39.8	19.1 V	566
1-m <i>f</i> /2.2 Ritchey-Chrétien + CCD						1992 JQ	1996 03 17.44641	12 36 17.40	-04 02 36.1	16.6 V	566
1973 SG ₅	1997 04 07.45232	11 31 30.62	+06 35 58.6	19.1 V	566	1992 JQ	1996 03 17.46893	12 36 16.46	-04 02 20.8	16.9 V	566
1973 SG ₅	1997 04 07.46072	11 31 30.20	+06 36 01.1	19.2 V	566	1992 JQ	1996 03 17.48905	12 36 15.65	-04 02 07.2	16.9 V	566
1973 SG ₅	1997 04 07.46914	11 31 29.77	+06 36 02.6	20.0 V	566	1992 UH ₃	1997 04 06.40344	11 23 15.63	+06 18 14.5	17.3 V	566
1978 ST ₇	1997 04 05.23559	07 56 01.02	+20 23 21.2	19.4 V	566	1992 UH ₃	1997 04 06.41372	11 23 15.13	+06 18 15.5	17.8 V	566
1978 ST ₇	1997 04 05.24411	07 56 01.71	+20 23 18.3	20.0 V	566	1992 UH ₃	1997 04 06.42306	11 23 14.66	+06 18 16.3	17.3 V	566
1978 ST ₇	1997 04 05.25249	07 56 02.26	+20 23 16.6	19.8 V	566	1992 YB	1997 02 03.63450	10 53 24.58	+08 31 33.1	18.5 V	566
1979 QV ₁	1996 08 15.43088	21 03 32.08	-16 17 09.3	18.3 V	566	1992 YB	1997 02 03.64295	10 53 24.22	+08 31 36.6	18.6 V	566
1979 QV ₁	1996 08 15.44020	21 03 31.51	-16 17 10.1	18.3 V	566	1992 YB	1997 02 03.65181	10 53 23.81	+08 31 40.8	18.6 V	566
1979 QV ₁	1996 08 15.45168	21 03 30.69	-16 17 10.7	18.2 V	566	1993 BN ₃	1997 04 05.56151	13 22 36.29	-05 37 31.4	18.3 V	566
1982 KK ₁	1996 06 16.53051	19 38 59.25	-22 00 53.5	18.1 V	566	1993 BN ₃	1997 04 05.56994	13 22 35.75	-05 37 30.1	18.4 V	566
1982 KK ₁	1996 06 16.54894	19 38 58.59	-22 00 59.1	18.7 V	566	1993 BN ₃	1997 04 05.57837	13 22 35.22	-05 37 28.5	18.4 V	566
1982 KK ₁	1996 06 16.57119	19 38 57.75	-22 01 05.9	18.1 V	566	1993 FB ₁₀	1997 04 05.56367	13 25 05.50	-03 17 58.0	19.7 V	566
1982 RR	1997 04 07.44626	11 29 55.89	+05 01 16.3	19.8 V	566	1993 FB ₁₀	1997 04 05.57246	13 25 04.95	-03 17 55.1	19.6 V	566
1982 RR	1997 04 07.45464	11 29 55.48	+05 01 20.4	19.3 V	566	1993 FB ₁₀	1997 04 05.58084	13 25 04.54	-03 17 52.4	19.9 V	566
1982 RR	1997 04 07.46307	11 29 55.28	+05 01 24.4	19.8 V	566	1994 WQ ₁₂	1997 04 06.58308	12 45 38.06	-04 00 29.2	20.2 V	566
1983 CQ ₂	1996 09 10.44568	22 52 34.78	-07 06 13.3	18.2 V	566	1994 WQ ₁₂	1997 04 06.59605	12 45 37.32	-04 00 26.5	19.9 V	566
1983 CQ ₂	1996 09 10.45411	22 52 34.40	-07 06 15.2	18.5 V	566	1996 BN ₆	1997 04 04.56643	12 34 55.53	+01 55 24.3	19.1 V	566
1983 CQ ₂	1996 09 10.46250	22 52 34.04	-07 06 18.0	18.3 V	566	1996 BN ₆	1997 04 04.57484	12 34 55.16	+01 55 26.3	19.2 V	566
1983 TE ₁	1997 04 06.57902	12 39 10.06	-07 02 11.1	18.8 V	566	1996 BN ₆	1997 04 04.58324	12 34 54.76	+01 55 28.7	19.3 V	566
1983 TE ₁	1997 04 06.58746	12 39 09.59	-07 02 07.3	18.6 V	566	1996 QE ₂	* 1996 08 20.31575	21 36 53.27	-31 16 56.8	17.2 V	566
1983 TE ₁	1997 04 06.60005	12 39 08.99	-07 02 01.5	18.6 V	566	1996 QE ₂	1996 08 20.32615	21 36 52.71	-31 16 58.0	17.2 V	566
1987 UV ₁	1997 04 07.61474	13 30 26.55	-11 58 03.3	18.7 V	566	1996 QE ₂	1996 08 20.33749	21 36 52.07	-31 16 59.5	17.1 V	566
1987 UV ₁	1997 04 07.62320	13 30 26.02	-11 58 00.9	18.6 V	566	1996 TP ₃₉	1996 09 10.50122	00 19 30.24	-00 56 55.8	18.4 V	566
1987 UV ₁	1997 04 07.63157	13 30 25.56	-11 57 58.4	18.6 V	566	1996 TP ₃₉	1996 09 10.50965	00 19 29.87	-00 56 59.1	18.5 V	566
1988 BC ₄	1997 04 05.48964	12 36 22.63	-02 33 44.0	18.6 V	566	1996 TP ₃₉	1996 09 10.51806	00 19 29.54	-00 57 02.6	18.8 V	566
1988 BC ₄	1997 04 05.49802	12 36 22.22	-02 33 40.7	18.5 V	566	1996 TD ₄₀	1996 09 10.50122	00 20 03.51	-01 23 11.4	17.7 V	566
1988 BC ₄	1997 04 05.50640	12 36 21.78	-02 33 37.8	18.6 V	566	1996 TD ₄₀	1996 09 10.50965	00 20 03.15	-01 23 13.8	17.4 V	566
1988 RG ₉	1997 04 05.56367	13 22 06.87	-03 17 06.8	19.4 V	566	1996 TD ₄₀	1996 09 10.51806	00 20 02.82	-01 23 16.3	17.5 V	566
1988 RG ₉	1997 04 05.57246	13 22 06.23	-03 17 03.3	19.2 V	566	1997 AW ₁₈	1997 04 07.37836	08 05 57.59	+19 59 08.8	20.1 V	566
1988 RG ₉	1997 04 05.58084	13 22 05.78	-03 17 00.0	19.2 V	566	1997 AW ₁₈	1997 04 07.38687	08 05 58.02	+19 59 06.5	19.8 V	566
1990 RT ₂	1997 04 07.43143	11 28 10.96	+02 29 15.0	19.0 V	566	1997 AW ₁₈	1997 04 07.39967	08 05 58.73	+19 59 02.5	19.3 V	566
1990 RT ₂	1997 04 07.44199	11 28 10.45	+02 29 16.0	18.9 V	566	1997 AM ₂₂	1997 04 04.24931	08 11 07.97	+21 14 52.0	20.0 V	566
1990 RT ₂	1997 04 07.45040	11 28 10.07	+02 29 16.9	19.2 V	566	1997 AM ₂₂	1997 04 04.25780	08 11 08.60	+21 14 50.9	19.9 V	566
1990 SL ₂₈	1997 04 04.44363	11 01 29.81	+05 11 34.0	19.5 V	566	1997 AM ₂₂	1997 04 04.26660	08 11 09.11	+21 14 49.5	19.1 V	566
1990 SL ₂₈	1997 04 04.45234	11 01 29.43	+05 11 35.9	19.4 V	566	1997 AO ₂₄	* 1997 01 14.63205	10 16 07.00	+15 38 05.0	19.8 V	566
1990 SL ₂₈	1997 04 04.46074	11 01 29.13	+05 11 37.8	19.6 V	566	1997 AO ₂₄	1997 01 14.64050	10 16 06.72	+15 38 07.5	19.6 V	566
1991 BK	1996 05 21.52745	15 34 07.17	-17 34 06.1	19.8 V	566	1997 AO ₂₄	1997 01 14.64890	10 16 06.50	+15 38 11.0	20.6 V	566
1991 BK	1996 05 21.54960	15 34 05.86	-17 34 03.3	19.8 V	566	1997 BR	1997 04 06.25558	08 20 01.68	+67 31 17.0	18.9 V	566
1991 BK	1996 05 21.56823	15 34 04.72	-17 34 01.5	19.4 V	566	1997 BR	1997 04 06.26434	08 20 01.49	+67 31 22.5	18.7 V	566
1991 PY ₂	1997 04 05.23559	07 57 43.69	+20 27 49.0	19.3 V	566	1997 BR	1997 04 06.27304	08 20 01.29	+67 31 28.0	19.0 V	566
1991 PY ₂	1997 04 05.24411	07 57 44.29	+20 27 45.4	19.5 V	566						

1997 BJ ₂	1997 01 14.52546	09 28 25.94	+16 26 30.2	19.3 V	566	1997 FH ₄	1997 04 07.57281	12 51 43.24	-07 48 36.3	18.9 V	566
1997 BJ ₂	1997 01 14.53386	09 28 25.52	+16 26 33.8	19.1 V	566	1997 FH ₄	1997 04 07.58119	12 51 42.76	-07 48 35.6	18.1 V	566
1997 BJ ₂	1997 01 14.54227	09 28 25.19	+16 26 37.1	19.0 V	566	1997 GE	* 1997 04 04.49424	11 43 28.08	+01 35 50.2	18.3 V	566
1997 CT ₅	1997 04 07.37836	08 04 36.94	+20 16 28.5	19.2 V	566	1997 GE	1997 04 04.50292	11 43 27.25	+01 35 45.0	18.1 V	566
1997 CT ₅	1997 04 07.38687	08 04 37.39	+20 16 25.6	18.9 V	566	1997 GE	1997 04 04.51133	11 43 26.44	+01 35 40.2	18.2 V	566
1997 CT ₅	1997 04 07.39967	08 04 38.06	+20 16 21.0	19.2 V	566	1997 GE	1997 04 05.40053	11 42 02.54	+01 26 39.0	19.0 V	566
1997 CF ₂₀	1997 02 06.63151	11 17 26.96	+07 06 46.3	19.4 V	566	1997 GE	1997 04 05.40894	11 42 01.69	+01 26 33.4	18.8 V	566
1997 CF ₂₀	1997 02 06.64002	11 17 26.61	+07 06 46.8	19.4 V	566	1997 GE	1997 04 05.41738	11 42 00.87	+01 26 28.1	19.1 V	566
1997 CF ₂₀	1997 02 06.64841	11 17 26.26	+07 06 47.7	19.9 V	566	1997 GF	* 1997 04 04.49630	11 46 01.50	+02 48 26.5	19.3 V	566
1997 EA ₆	1997 04 07.44626	11 31 33.70	+04 51 53.4	19.4 V	566	1997 GF	1997 04 04.50487	11 46 01.21	+02 48 31.5	19.5 V	566
1997 EA ₆	1997 04 07.45464	11 31 33.30	+04 51 57.2	19.1 V	566	1997 GF	1997 04 04.51403	11 46 00.70	+02 48 36.9	19.9 V	566
1997 EA ₆	1997 04 07.46307	11 31 32.89	+04 52 00.8	19.8 V	566	1997 GF	1997 04 05.41087	11 45 28.12	+02 57 23.7	19.0 V	566
1997 EG ₃₄	1997 02 04.43134	09 35 59.47	+18 15 13.5	18.8 V	566	1997 GF	1997 04 05.41939	11 45 27.64	+02 57 28.5	19.1 V	566
1997 EG ₃₄	1997 02 04.43975	09 35 59.05	+18 15 16.6	18.7 V	566	1997 GF	1997 04 05.42780	11 45 27.41	+02 57 33.5	18.9 V	566
1997 EG ₃₄	1997 02 04.44818	09 35 58.64	+18 15 19.4	18.6 V	566	1997 GG	* 1997 04 04.54318	12 27 42.64	-01 00 17.1	18.4 V	566
1997 EV ₃₄	1997 02 03.47550	09 24 13.60	+16 10 17.7	19.8 V	566	1997 GG	1997 04 04.55156	12 27 42.13	-01 00 13.7	18.5 V	566
1997 EV ₃₄	1997 02 03.48835	09 24 12.93	+16 10 23.6	19.3 V	566	1997 GG	1997 04 04.56213	12 27 41.52	-01 00 09.6	18.6 V	566
1997 EV ₃₄	1997 02 03.49673	09 24 12.39	+16 10 26.8	19.4 V	566	1997 GG	1997 04 05.45274	12 26 50.11	-00 54 21.5	18.3 V	566
1997 EY ₃₄	1997 02 04.43134	09 34 11.90	+16 49 50.3	19.0 V	566	1997 GG	1997 04 05.46395	12 26 49.47	-00 54 16.8	18.7 V	566
1997 EY ₃₄	1997 02 04.43975	09 34 11.45	+16 49 53.2	19.3 V	566	1997 GG	1997 04 05.47239	12 26 48.95	-00 54 14.1	19.0 V	566
1997 EY ₃₄	1997 02 04.44818	09 34 11.04	+16 49 55.3	19.1 V	566	1997 GH	* 1997 04 04.54318	12 28 09.20	-01 07 38.1	18.9 V	566
1997 EL ₃₅	1997 02 08.42634	09 26 06.51	+17 21 54.8	18.9 V	566	1997 GH	1997 04 04.55156	12 28 08.67	-01 07 37.5	18.9 V	566
1997 EL ₃₅	1997 02 08.43479	09 26 06.02	+17 21 56.7	19.1 V	566	1997 GH	1997 04 04.56213	12 28 07.99	-01 07 36.3	19.1 V	566
1997 EL ₃₅	1997 02 08.44325	09 26 05.51	+17 21 58.2	19.0 V	566	1997 GH	1997 04 05.45274	12 27 14.72	-01 06 19.5	19.2 V	566
1997 EQ ₃₅	1997 02 04.40675	09 31 29.40	+14 45 17.5	18.6 V	566	1997 GH	1997 04 05.46395	12 27 14.05	-01 06 18.8	19.0 V	566
1997 EQ ₃₅	1997 02 04.41702	09 31 28.88	+14 45 21.6	18.5 V	566	1997 GH	1997 04 05.47239	12 27 13.50	-01 06 18.1	19.3 V	566
1997 EQ ₃₅	1997 02 04.42706	09 31 28.26	+14 45 25.7	18.4 V	566	1997 GJ	* 1997 04 04.54318	12 29 34.21	-00 51 43.5	18.8 V	566
1997 ET ₃₅	1997 02 04.43134	09 34 14.61	+16 58 44.0	18.8 V	566	1997 GJ	1997 04 04.55156	12 29 33.72	-00 51 41.5	19.2 V	566
1997 ET ₃₅	1997 02 04.43975	09 34 14.17	+16 58 45.2	19.0 V	566	1997 GJ	1997 04 04.55353	12 29 33.67	-00 51 40.2	19.8 V	566
1997 ET ₃₅	1997 02 04.44818	09 34 13.73	+16 58 46.3	18.9 V	566	1997 GJ	1997 04 04.56213	12 29 33.15	-00 51 38.1	19.0 V	566
1997 EV ₃₇	1997 02 03.47750	09 30 07.36	+17 55 46.8	18.7 V	566	1997 GJ	1997 04 04.56429	12 29 33.03	-00 51 37.0	19.9 V	566
1997 EV ₃₇	1997 02 03.49242	09 30 06.34	+17 55 50.5	18.6 V	566	1997 GJ	1997 04 04.57272	12 29 32.59	-00 51 35.0	19.9 V	566
1997 EV ₃₇	1997 02 03.50078	09 30 05.82	+17 55 52.5	18.7 V	566	1997 GJ	1997 04 05.45274	12 28 46.60	-00 47 34.2	19.0 V	566
1997 FD ₁	1997 04 04.37762	09 38 54.33	+15 09 39.1	19.1 V	566	1997 GJ	1997 04 05.46395	12 28 46.01	-00 47 30.9	18.9 V	566
1997 FD ₁	1997 04 04.38618	09 38 54.21	+15 09 28.8	19.7 V	566	1997 GJ	1997 04 05.47239	12 28 45.53	-00 47 28.8	19.0 V	566
1997 FD ₁	1997 04 04.39457	09 38 54.05	+15 09 18.9	19.4 V	566	1997 GK	* 1997 04 04.54318	12 30 47.64	-01 02 44.6	19.8 V	566
1997 FJ ₃	1997 04 06.58308	12 46 24.83	-03 49 51.0	17.9 V	566	1997 GK	1997 04 04.55156	12 30 47.13	-01 02 45.3	19.5 V	566
1997 FJ ₃	1997 04 06.59605	12 46 23.96	-03 49 48.2	17.9 V	566	1997 GK	1997 04 04.56213	12 30 46.49	-01 02 46.0	19.5 V	566
1997 FJ ₃	1997 04 06.60649	12 46 23.28	-03 49 45.9	17.9 V	566	1997 GK	1997 04 05.45274	12 29 54.64	-01 03 57.7	18.7 V	566
1997 FL ₃	1997 04 06.58308	12 46 35.14	-03 18 06.3	18.7 V	566	1997 GK	1997 04 05.46395	12 29 54.01	-01 03 58.5	19.3 V	566
1997 FL ₃	1997 04 06.59605	12 46 34.32	-03 18 04.4	18.8 V	566	1997 GK	1997 04 05.47239	12 29 53.46	-01 03 59.3	19.0 V	566
1997 FL ₃	1997 04 06.60649	12 46 33.70	-03 18 02.0	18.8 V	566	1997 GL	* 1997 04 04.59421	13 07 48.27	-06 46 13.4	19.4 V	566
1997 FN ₃	1997 04 06.58308	12 46 25.76	-02 35 08.7	18.3 V	566	1997 GL	1997 04 04.60259	13 07 47.84	-06 46 10.4	19.6 V	566
1997 FN ₃	1997 04 06.58510	12 46 25.58	-02 35 07.7	18.8 V	566	1997 GL	1997 04 04.61099	13 07 47.50	-06 46 07.2	19.7 V	566
1997 FN ₃	1997 04 06.59605	12 46 24.90	-02 35 05.3	18.0 V	566	1997 GL	1997 04 05.51278	13 07 00.36	-06 41 05.5	19.6 V	566
1997 FN ₃	1997 04 06.59812	12 46 24.79	-02 35 04.5	18.4 V	566	1997 GL	1997 04 05.52153	13 06 59.87	-06 41 02.8	19.2 V	566
1997 FN ₃	1997 04 06.60649	12 46 24.24	-02 35 02.8	18.0 V	566	1997 GL	1997 04 05.52997	13 06 59.39	-06 40 59.4	19.1 V	566
1997 FN ₃	1997 04 06.60858	12 46 24.09	-02 35 01.2	18.7 V	566	1997 GN	* 1997 04 04.59421	13 05 57.15	-07 29 08.6	17.7 V	566
1997 FO ₃	1997 04 06.58510	12 47 57.02	-02 22 21.1	18.6 V	566	1997 GN	1997 04 04.60259	13 05 56.77	-07 28 58.7	17.7 V	566
1997 FO ₃	1997 04 06.59812	12 47 56.41	-02 22 16.3	18.6 V	566	1997 GN	1997 04 04.61099	13 05 56.38	-07 28 48.3	17.8 V	566
1997 FO ₃	1997 04 06.60858	12 47 55.83	-02 22 12.3	18.8 V	566	1997 GN	1997 04 06.61491	13 04 22.74	-06 48 14.5	17.7 V	566
1997 FH ₄	1997 04 07.56441	12 51 43.80	-07 48 37.1	18.1 V	566	1997 GN	1997 04 06.62355	13 04 22.31	-06 48 03.9	17.7 V	566

1997 GN	1997 04 06.63393	13 04 21.75	-06 47 51.2	17.6 V	566	1997 GM ₁	* 1997 04 07.41861	11 26 56.39	+02 20 40.1	19.8 V	566
1997 GN	1997 04 07.52374	13 03 40.04	-06 29 38.8	18.0 V	566	1997 GM ₁	1997 04 07.42723	11 26 55.87	+02 20 43.9	19.2 V	566
1997 GN	1997 04 07.53452	13 03 39.49	-06 29 25.4	18.3 V	566	1997 GM ₁	1997 04 07.43998	11 26 55.33	+02 20 49.1	19.6 V	566
1997 GN	1997 04 07.54299	13 03 39.05	-06 29 15.1	18.1 V	566	1997 GO ₁	* 1997 04 07.56017	12 47 12.98	-08 05 53.4	20.4 V	566
1997 GO	* 1997 04 05.56367	13 23 28.94	-03 14 51.0	18.6 V	566	1997 GO ₁	1997 04 07.56856	12 47 12.27	-08 05 50.8	19.6 V	566
1997 GO	1997 04 05.57246	13 23 28.39	-03 14 47.8	18.7 V	566	1997 GO ₁	1997 04 07.57694	12 47 11.68	-08 05 48.3	19.2 V	566
1997 GO	1997 04 05.58084	13 23 27.87	-03 14 44.8	19.6 V	566	1997 GF ₃	* 1997 04 05.56367	13 25 05.62	-03 19 29.3	19.1 V	566
1997 GO	1997 04 06.61711	13 22 26.75	-03 08 24.5	18.7 V	566	1997 GF ₃	1997 04 05.57246	13 25 05.28	-03 19 02.6	19.0 V	566
1997 GO	1997 04 06.62551	13 22 26.22	-03 08 21.5	18.8 V	566	1997 GF ₃	1997 04 05.58084	13 25 05.02	-03 18 37.0	19.0 V	566
1997 GO	1997 04 06.63610	13 22 25.60	-03 08 17.3	19.3 V	566	1997 GF ₃	1997 04 06.61711	13 24 36.56	-02 25 59.6	19.0 V	566
1997 GP	* 1997 04 04.46878	11 21 17.46	+26 08 05.9	18.6 V	566	1997 GF ₃	1997 04 06.62551	13 24 36.32	-02 25 33.9	19.0 V	566
1997 GP	1997 04 04.47735	11 21 16.83	+26 07 59.4	18.9 V	566	1997 GF ₃	1997 04 06.63610	13 24 36.01	-02 25 01.5	19.2 V	566
1997 GP	1997 04 04.48587	11 21 16.09	+26 07 52.9	19.0 V	566	1997 GF ₃	1997 04 07.52147	13 24 11.79	-01 40 12.3	18.8 V	566
1997 GP	1997 04 07.40781	11 17 46.65	+25 30 54.7	19.7 V	566	1997 GF ₃	1997 04 07.53244	13 24 11.46	-01 39 39.5	18.6 V	566
1997 GP	1997 04 07.41653	11 17 45.99	+25 30 47.9	19.9 V	566	1997 GF ₃	1997 04 07.54083	13 24 11.17	-01 39 14.0	19.3 V	566
1997 GP	1997 04 07.42505	11 17 45.40	+25 30 41.5	19.9 V	566	1997 GG ₃	* 1997 04 05.51278	13 06 09.73	-06 46 43.3	20.1 V	566
1997 GQ	* 1997 04 05.44031	12 00 49.60	+04 18 04.7	18.7 V	566	1997 GG ₃	1997 04 05.52153	13 06 08.92	-06 46 40.2	19.1 V	566
1997 GQ	1997 04 05.44872	12 00 48.78	+04 18 00.4	18.7 V	566	1997 GG ₃	1997 04 05.52997	13 06 08.26	-06 46 37.0	19.5 V	566
1997 GQ	1997 04 05.45717	12 00 47.93	+04 17 56.6	18.8 V	566	1997 GH ₃	* 1997 04 06.24971	07 48 01.89	+19 53 20.3	16.8 V	566
1997 GQ	1997 04 07.53857	11 57 25.96	+04 00 54.8	20.0 V	566	1997 GH ₃	1997 04 06.25816	07 48 05.13	+19 53 17.4	16.8 V	566
1997 GQ	1997 04 07.54733	11 57 25.15	+04 00 50.3	19.7 V	566	1997 GH ₃	1997 04 06.26663	07 48 08.38	+19 53 14.9	16.6 V	566
1997 GQ	1997 04 07.55595	11 57 24.34	+04 00 46.0	19.2 V	566	1997 GH ₃	1997 04 07.23952	07 54 35.06	+19 47 54.6	16.9 V	566
1997 GR	* 1997 04 05.44031	12 01 39.10	+05 10 39.6	17.9 V	566	1997 GH ₃	1997 04 07.24791	07 54 38.31	+19 47 51.5	17.0 V	566
1997 GR	1997 04 05.44872	12 01 38.71	+05 10 50.1	17.7 V	566	1997 GH ₃	1997 04 07.33264	07 55 11.23	+19 47 18.5	17.2 V	566
1997 GR	1997 04 05.45717	12 01 38.27	+05 11 00.7	17.9 V	566	1997 GF ₉	1997 04 07.56017	12 46 19.76	-08 20 56.0	18.8 V	566
1997 GR	1997 04 07.55188	12 00 00.69	+05 54 00.4	18.6 V	566	1997 GF ₉	1997 04 07.56856	12 46 19.39	-08 20 50.7	18.5 V	566
1997 GR	1997 04 07.56216	12 00 00.23	+05 54 12.7	19.3 V	566	1997 GF ₉	1997 04 07.57694	12 46 18.94	-08 20 44.9	18.4 V	566
1997 GR	1997 04 07.57062	11 59 59.81	+05 54 22.6	18.3 V	566	1997 GL ₁₁	1997 04 07.56017	12 49 58.43	-08 19 43.6	20.2 V	566
1997 GS	* 1997 04 05.51278	13 04 55.09	-06 37 44.6	19.4 V	566	1997 GL ₁₁	1997 04 07.56856	12 49 57.80	-08 19 43.7	20.0 V	566
1997 GS	1997 04 05.52153	13 04 54.49	-06 37 40.3	18.7 V	566	1997 GL ₁₁	1997 04 07.57694	12 49 57.21	-08 19 40.6	19.2 V	566
1997 GS	1997 04 05.52997	13 04 54.13	-06 37 36.2	18.9 V	566	1997 GM ₁₂	1997 04 07.58549	12 53 30.14	-03 26 37.5	19.1 V	566
1997 GS	1997 04 07.52374	13 03 17.14	-06 21 33.8	19.1 V	566	1997 GM ₁₂	1997 04 07.59390	12 53 29.60	-03 26 34.7	19.2 V	566
1997 GS	1997 04 07.53452	13 03 16.52	-06 21 28.4	18.8 V	566	1997 GM ₁₂	1997 04 07.60229	12 53 29.05	-03 26 32.9	19.0 V	566
1997 GS	1997 04 07.54299	13 03 16.06	-06 21 24.6	19.0 V	566	1997 GZ ₁₂	1997 04 07.58549	12 57 33.02	-04 29 20.9	18.6 V	566
1997 GT	* 1997 04 06.56003	12 36 28.05	-07 15 32.2	17.8 V	566	1997 GZ ₁₂	1997 04 07.59390	12 57 32.56	-04 29 16.9	18.2 V	566
1997 GT	1997 04 06.56847	12 36 27.12	-07 15 37.7	17.8 V	566	1997 GZ ₁₂	1997 04 07.60229	12 57 32.10	-04 29 13.7	18.7 V	566
1997 GT	1997 04 06.57698	12 36 26.20	-07 15 44.0	17.7 V	566	1997 GO ₁₅	1997 04 07.52374	13 00 01.58	-06 27 50.1	19.2 V	566
1997 GT	1997 04 07.53650	12 34 42.83	-07 27 16.6	18.0 V	566	1997 GO ₁₅	1997 04 07.53452	13 00 01.00	-06 27 46.0	19.4 V	566
1997 GT	1997 04 07.54497	12 34 41.91	-07 27 22.7	18.4 V	566	1997 GO ₁₅	1997 04 07.54299	13 00 00.63	-06 27 44.2	19.2 V	566
1997 GT	1997 04 07.55393	12 34 40.89	-07 27 28.7	18.2 V	566	1997 GY ₁₅	1997 04 07.58974	12 57 50.98	-03 01 11.5	18.2 V	566
1997 GU	* 1997 04 06.61491	13 02 17.97	-06 55 09.7	19.1 V	566	1997 GY ₁₅	1997 04 07.59832	12 57 50.43	-03 01 08.7	17.9 V	566
1997 GU	1997 04 06.62355	13 02 17.43	-06 55 07.3	19.6 V	566	1997 GY ₁₅	1997 04 07.60673	12 57 49.85	-03 01 05.9	18.0 V	566
1997 GU	1997 04 06.63393	13 02 16.86	-06 55 03.6	19.2 V	566	1997 GA ₁₆	1997 04 07.58974	12 58 38.25	-03 05 29.4	19.5 V	566
1997 GU	1997 04 07.52374	13 01 27.53	-06 51 15.5	19.1 V	566	1997 GA ₁₆	1997 04 07.59832	12 58 37.75	-03 05 27.5	19.2 V	566
1997 GU	1997 04 07.53452	13 01 26.85	-06 51 12.2	18.5 V	566	1997 GA ₁₆	1997 04 07.60673	12 58 37.27	-03 05 26.2	19.5 V	566
1997 GU	1997 04 07.54299	13 01 26.37	-06 51 10.2	18.8 V	566	1997 GV ₁₆	1997 04 06.61491	13 03 03.20	-06 02 50.5	18.7 V	566
1997 GV	* 1997 04 06.61711	13 21 43.28	-01 54 15.8	18.8 V	566	1997 GV ₁₆	1997 04 06.62355	13 03 02.77	-06 02 46.5	18.8 V	566
1997 GV	1997 04 06.62551	13 21 42.83	-01 54 11.3	19.0 V	566	1997 GV ₁₆	1997 04 06.63393	13 03 02.35	-06 02 41.7	19.2 V	566
1997 GV	1997 04 06.63610	13 21 42.38	-01 54 06.1	19.8 V	566	1997 GZ ₁₆	1997 04 04.57956	13 03 33.01	-08 50 47.8	18.4 V	566
1997 GV	1997 04 07.52147	13 20 58.36	-01 46 22.9	19.3 V	566	1997 GZ ₁₆	1997 04 04.59215	13 03 32.31	-08 50 41.5	18.7 V	566
1997 GV	1997 04 07.53244	13 20 57.76	-01 46 17.3	19.5 V	566	1997 GZ ₁₆	1997 04 04.60057	13 03 31.75	-08 50 36.3	18.8 V	566
1997 GV	1997 04 07.54083	13 20 57.33	-01 46 12.8	19.2 V	566	1997 GA ₁₇	1997 04 04.57956	13 03 33.78	-08 31 36.6	19.8 V	566

1997 GA ₁₇	1997 04 04.59215	13 03 33.03	-08 31 32.4	19.9 V	566	(4924)	1997 04 05.55723	13 20 11.46	-07 25 39.4	18.4 V	566
1997 GA ₁₇	1997 04 04.60057	13 03 32.46	-08 31 29.7	20.1 V	566	(4927)	1996 08 20.31768	21 32 53.15	-14 46 12.2	17.7 V	566
1997 GB ₁₇	1997 04 04.57956	13 04 48.64	-08 27 59.3	19.1 V	566	(4927)	1996 08 20.32799	21 32 52.61	-14 46 14.7	17.6 V	566
1997 GB ₁₇	1997 04 04.59215	13 04 48.02	-08 27 53.5	18.7 V	566	(4927)	1996 08 20.33928	21 32 52.02	-14 46 17.0	17.5 V	566
1997 GB ₁₇	1997 04 04.60057	13 04 47.58	-08 27 50.0	18.8 V	566	(4969)	1997 04 04.47073	11 09 41.15	-02 48 46.9	16.8 V	566
1997 GD ₁₇	1997 04 04.56888	13 02 55.99	-09 40 15.3	19.2 V	566	(4969)	1997 04 04.47969	11 09 40.87	-02 48 38.1	16.8 V	566
1997 GD ₁₇	1997 04 04.57732	13 02 55.33	-09 40 12.1	19.3 V	566	(4969)	1997 04 04.48810	11 09 40.62	-02 48 29.8	16.9 V	566
1997 GD ₁₇	1997 04 04.59010	13 02 54.60	-09 40 07.6	19.3 V	566	(5063)	1997 04 06.57902	12 40 56.51	-06 15 33.0	18.9 V	566
1997 GT ₁₇	1997 04 07.52374	13 01 58.69	-06 51 13.5	19.1 V	566	(5063)	1997 04 06.58746	12 40 55.99	-06 15 30.0	19.0 V	566
1997 GT ₁₇	1997 04 07.53452	13 01 57.99	-06 51 13.0	18.9 V	566	(5063)	1997 04 06.60005	12 40 55.39	-06 15 26.3	18.3 V	566
1997 GT ₁₇	1997 04 07.54299	13 01 57.44	-06 51 11.7	18.8 V	566	(6032)	1997 04 05.32418	10 26 07.27	+05 56 41.0	19.1 V	566
1997 GV ₁₇	1997 04 07.52374	13 02 25.94	-06 52 59.0	16.5 V	566	(6032)	1997 04 05.33545	10 26 06.91	+05 56 44.7	19.0 V	566
1997 GV ₁₇	1997 04 07.53452	13 02 25.21	-06 52 57.9	16.7 V	566	(6032)	1997 04 05.34388	10 26 06.69	+05 56 47.9	19.2 V	566
1997 GV ₁₇	1997 04 07.54299	13 02 24.62	-06 52 55.6	16.3 V	566	(6304)	1996 05 15.43351	15 41 47.75	-20 23 29.1	17.1 V	566
1997 GS ₁₈	1997 04 05.51278	13 07 02.38	-06 20 52.2	20.2 V	566	(6304)	1996 05 15.45171	15 41 46.46	-20 23 24.2	17.3 V	566
1997 GS ₁₈	1997 04 05.52153	13 07 01.71	-06 20 51.2	19.5 V	566	(6304)	1996 05 15.45349	15 41 46.41	-20 23 24.3	17.2 V	566
1997 GS ₁₈	1997 04 05.52997	13 07 01.17	-06 20 50.5	19.7 V	566	(6304)	1996 05 15.47429	15 41 44.97	-20 23 18.9	17.0 V	566
3107 P-L	1997 04 05.56598	13 52 57.68	-14 41 04.1	19.2 V	566	(6304)	1996 05 15.49020	15 41 43.89	-20 23 15.8	16.8 V	566
3107 P-L	1997 04 05.57453	13 52 57.27	-14 41 00.6	19.1 V	566	(6304)	1996 05 15.50059	15 41 43.15	-20 23 12.7	16.9 V	566
3107 P-L	1997 04 05.58393	13 52 56.70	-14 40 56.7	19.8 V	566	(6711)	1997 04 05.48744	12 32 41.42	-03 24 27.4	16.3 V	566
4077 P-L	1996 05 15.27364	13 36 58.09	-12 40 59.5	18.2 V	566	(6711)	1997 04 05.49584	12 32 41.03	-03 24 20.3	16.3 V	566
4077 P-L	1996 05 15.29740	13 36 57.26	-12 40 54.4	18.6 V	566	(6711)	1997 04 05.50423	12 32 40.70	-03 24 13.9	16.2 V	566
4077 P-L	1996 05 15.32874	13 36 56.22	-12 40 48.1	18.5 V	566	(6840)	1997 04 04.61960	13 16 23.11	-02 34 14.0	18.6 V	566
2281 T-1	1996 08 09.59363	23 02 51.81	-04 54 45.6	18.3 V	566	(6840)	1997 04 04.62797	13 16 22.63	-02 34 11.0	18.6 V	566
2281 T-1	1996 08 09.60696	23 02 51.39	-04 54 49.5	18.2 V	566	(6840)	1997 04 04.63636	13 16 22.14	-02 34 07.6	18.7 V	566
2281 T-1	1996 08 09.61968	23 02 50.94	-04 54 52.7	18.7 V	566	(7407)	1997 04 07.23952	07 52 14.58	+20 06 49.0	19.4 V	566
1503 T-2	1997 02 03.61138	10 45 17.97	+04 12 40.7	19.9 V	566	(7407)	1997 04 07.24791	07 52 15.11	+20 06 46.8	19.5 V	566
1503 T-2	1997 02 03.61995	10 45 17.63	+04 12 42.3	19.5 V	566	(7407)	1997 04 07.25729	07 52 15.91	+20 06 45.6	20.2 V	566
1503 T-2	1997 02 03.62836	10 45 17.29	+04 12 44.4	20.3 V	566	(7437)	1997 04 06.25365	07 52 05.95	+22 53 08.2	19.9 V	566
4210 T-2	1997 04 07.37836	08 07 10.94	+19 59 50.1	20.1 V	566	(7437)	1997 04 06.26212	07 52 06.34	+22 53 07.2	20.2 V	566
4210 T-2	1997 04 07.38687	08 07 11.27	+19 59 50.4	19.8 V	566	(7437)	1997 04 06.27071	07 52 06.95	+22 53 07.7	19.2 V	566
4210 T-2	1997 04 07.39967	08 07 11.83	+19 59 49.7	19.9 V	566						
(1205)	1996 07 21.60593	04 38 38.50	+25 08 36.7	18.3 V	566						
(1205)	1996 07 21.61430	04 38 39.64	+25 08 40.8	18.1 V	566						
(1205)	1996 07 21.62476	04 38 41.11	+25 08 45.8	18.1 V	566						
(1917)	1997 04 05.41296	11 48 40.04	-02 00 56.2	19.3 V	566						
(1917)	1997 04 05.42359	11 48 39.52	-02 00 49.4	19.8 V	566						
(1917)	1997 04 05.43199	11 48 39.04	-02 00 43.5	19.1 V	566						
(2335)	1997 04 05.56151	13 21 34.45	-05 41 45.5	15.3 V	566						
(2335)	1997 04 05.56994	13 21 33.26	-05 41 52.5	15.4 V	566						
(2335)	1997 04 05.57837	13 21 32.01	-05 41 59.2	15.4 V	566						
(3203)	1997 04 06.55781	12 14 18.79	+05 49 33.7	19.7 V	566						
(3203)	1997 04 06.56639	12 14 18.39	+05 49 36.1	19.2 V	566						
(3203)	1997 04 06.57480	12 14 17.92	+05 49 38.2	19.0 V	566						
(3740)	1997 04 07.60876	13 28 34.49	-13 39 25.0	19.3 V	566						
(3740)	1997 04 07.61716	13 28 34.03	-13 39 22.8	19.4 V	566						
(3740)	1997 04 07.62553	13 28 33.39	-13 39 20.7	19.4 V	566						
(3745)	1997 04 06.32751	10 41 39.36	+09 46 02.3	19.8 V	566						
(3745)	1997 04 06.33593	10 41 39.03	+09 46 03.1	19.4 V	566						
(3745)	1997 04 06.34432	10 41 38.76	+09 46 03.4	20.0 V	566						
(4924)	1997 04 05.54038	13 20 12.52	-07 25 46.5	18.6 V	566						
(4924)	1997 04 05.54879	13 20 12.01	-07 25 43.0	18.6 V	566						

568 Mauna Kea Observatory

C. Veillet, Canada-France-Hawaii Telescope Corporation, P.O. Box 1597, Kamuela, HI 96743, U.S.A. [veillet@cfht.hawaii.edu]

Observer C. Veillet

Measurer D. D. Balam

3.6-m telescope + CCD

1992 EQ ₈	1997 04 05.25669	10 48 39.18	+12 27 05.6	568
1997 GP ₁	* 1997 04 05.25669	10 47 05.98	+12 41 17.1	568
1997 GP ₁	1997 04 05.27758	10 47 05.46	+12 41 25.8	568
1997 GQ ₁	* 1997 04 05.25669	10 47 58.69	+12 28 15.3	568
1997 GQ ₁	1997 04 05.27758	10 47 58.26	+12 28 18.0	568
1997 GR ₁	* 1997 04 05.25669	10 48 05.10	+12 21 23.0	568
1997 GR ₁	1997 04 05.27758	10 48 04.57	+12 21 29.3	568
1997 GY ₂₅	* 1997 04 05.25669	10 47 08.45	+12 43 02.2	568
1997 GY ₂₅	1997 04 05.27758	10 47 07.98	+12 43 05.0	568

573 Eldagsen

W. Bonk, Nordstrasse 33, D-31832 Springe, Germany [we.bonk@t-online.de]

0.20-m $f/3.5$ FFC + CCD

GSC

(1103)	1995 08 04.86707	23 01 55.20	+27 48 20.9	573	1997 CL ₁₃	1997 04 12.82980	11 14 32.45	+14 11 13.4	587
(1103)	1995 08 04.87142	23 01 55.09	+27 48 26.5	573	1997 CL ₁₃	1997 04 12.86560	11 14 31.69	+14 11 17.4	587
587 Sormano					1997 CU ₂₆	1997 03 16.85840	08 25 22.77	+15 42 47.1	587
P. Sicoli, Via Valli 9, I-22040 Garbagnate Monastero (Lecco), Italy					1997 CU ₂₆	1997 03 16.93524	08 25 22.19	+15 42 47.3	587
[sormano@icil64.cilea.it]					1997 CU ₂₆	1997 04 07.90282	08 23 51.66	+15 42 13.8	587
Observers P. Sicoli, M. Cavagna, F. Manca, A. Testa, V. Giuliani, P. Chiavenna					1997 CU ₂₆	1997 04 08.83125	08 23 50.91	+15 42 03.0	587
0.5-m reflector + CCD					1997 DG	1997 03 16.86435	08 36 46.97	+11 52 32.9	587
GSC					1997 DG	1997 03 16.91481	08 36 46.25	+11 52 39.0	587
1991 VH	1997 03 31.96234	11 11 15.46	+40 38 52.2	587	1997 FM ₁	1997 04 01.84670	12 03 11.54	-00 43 00.1	17.5 V 587
1991 VH	1997 03 31.97037	11 11 14.78	+40 38 57.2	587	1997 FM ₁	1997 04 01.85312	12 03 11.27	-00 42 49.6	587
1993 FZ ₄₁	1997 03 16.88268	10 55 51.47	+16 04 50.7	587	1997 FM ₁	1997 04 02.89481	12 02 31.80	-00 14 18.8	587
1993 FZ ₄₁	1997 03 16.88754	10 55 51.16	+16 04 49.8	587	1997 FM ₁	1997 04 02.90272	12 02 31.51	-00 14 06.0	I 587
1993 FZ ₄₁	1997 03 16.89171	10 55 50.89	+16 04 49.5	587	1997 FM ₁	1997 04 02.90731	12 02 31.32	-00 13 57.7	587
1994 TD	1997 04 09.89074	13 43 45.12	-07 56 05.1	587	1997 FN ₁	* 1997 03 31.97581	12 15 28.75	-08 04 17.3	17.0 V 587
1994 TD	1997 04 12.90578	13 41 31.55	-07 39 45.1	587	1997 FN ₁	1997 03 31.98383	12 15 28.31	-08 04 12.4	587
1994 TD	1997 04 12.94641	13 41 29.69	-07 39 31.9	587	1997 FN ₁	1997 03 31.99579	12 15 27.68	-08 04 07.3	587
1995 SM ₃	1997 03 31.97581	12 16 03.79	-08 06 46.8	587	1997 FN ₁	1997 04 01.86828	12 14 43.38	-07 56 58.7	587
1995 SM ₃	1997 03 31.98383	12 16 03.28	-08 06 45.0	587	1997 FN ₁	1997 04 01.87077	12 14 43.28	-07 56 57.3	16.7 V 587
1995 SM ₃	1997 03 31.99579	12 16 02.50	-08 06 43.6	587	1997 FN ₁	1997 04 01.88125	12 14 42.70	-07 56 52.3	587
1995 UE	1997 03 31.93766	11 08 49.27	+02 35 19.3	587	1997 FN ₁	1997 04 02.91963	12 13 49.91	-07 48 17.0	587
1995 UE	1997 03 31.95544	11 08 48.39	+02 35 21.1	587	1997 FN ₁	1997 04 02.92797	12 13 49.46	-07 48 13.6	587
1996 VS ₁	1997 03 30.79942	05 17 43.90	+44 21 29.3	587	1997 FN ₁	1997 04 07.88342	12 09 46.74	-07 06 27.2	587
1996 VS ₁	1997 03 30.80566	05 17 44.99	+44 21 29.7	I 587	1997 FN ₁	1997 04 07.89547	12 09 46.17	-07 06 21.0	587
1997 AW ₁₃	1997 03 31.87234	08 19 34.97	+22 59 29.9	587	1997 FN ₁	1997 04 09.83165	12 08 17.11	-06 49 55.9	587
1997 AW ₁₃	1997 03 31.90948	08 19 35.47	+22 59 17.8	587	1997 FN ₁	1997 04 12.89091	12 06 04.99	-06 24 12.9	587
1997 BR	1997 03 31.89305	08 21 02.36	+66 30 25.4	587	1997 FN ₁	1997 04 12.90966	12 06 04.17	-06 24 03.8	587
1997 BR	1997 03 31.90208	08 21 01.96	+66 30 31.3	587	1997 FO ₁	* 1997 03 31.93408	11 21 51.78	+08 37 54.3	18.0 V 587
1997 CC ₇	1997 04 07.86787	09 09 02.47	+21 54 43.4	587	1997 FO ₁	1997 03 31.94922	11 21 51.07	+08 37 57.2	587
1997 CC ₇	1997 04 07.92027	09 09 02.89	+21 54 41.8	587	1997 FO ₁	1997 03 31.97962	11 21 49.96	+08 38 04.9	587
1997 CD ₇	1997 03 31.88368	09 06 55.93	+17 50 56.1	587	1997 FO ₁	1997 04 01.86070	11 21 17.86	+08 41 41.2	587
1997 CD ₇	1997 03 31.91824	09 06 56.47	+17 50 48.3	587	1997 FO ₁	1997 04 01.87442	11 21 17.39	+08 41 44.0	18.0 V 587
1997 CK ₁₃	1997 03 16.91076	11 32 16.09	+07 35 02.2	587	1997 FO ₁	1997 04 02.91580	11 20 40.18	+08 45 50.3	587
1997 CK ₁₃	1997 03 16.94004	11 32 14.73	+07 35 11.1	587	1997 FO ₁	1997 04 02.93313	11 20 39.47	+08 45 55.4	587
1997 CK ₁₃	1997 03 31.93408	11 21 35.79	+08 41 31.2	587	1997 FO ₁	1997 04 02.94336	11 20 39.18	+08 45 55.6	587
1997 CK ₁₃	1997 03 31.94922	11 21 35.21	+08 41 33.8	587	1997 FO ₁	1997 04 07.87685	11 17 56.94	+09 03 25.2	587
1997 CK ₁₃	1997 03 31.97962	11 21 34.04	+08 41 41.4	587	1997 FO ₁	1997 04 07.91226	11 17 55.77	+09 03 32.2	587
1997 CK ₁₃	1997 04 01.86070	11 21 01.22	+08 44 46.6	587	1997 FO ₁	1997 04 09.83970	11 16 59.25	+09 09 24.4	587
1997 CK ₁₃	1997 04 01.87442	11 21 00.69	+08 44 49.4	587	1997 FO ₁	1997 04 12.83594	11 15 39.57	+09 17 26.5	587
1997 CK ₁₃	1997 04 02.91580	11 20 22.62	+08 48 21.2	587	1997 FO ₁	1997 04 12.95226	11 15 36.50	+09 17 42.9	587
1997 CK ₁₃	1997 04 02.93313	11 20 21.97	+08 48 24.4	587	1997 GL ₃	1997 04 12.92384	13 43 12.19	-03 26 24.2	587
1997 CK ₁₃	1997 04 02.94336	11 20 21.57	+08 48 26.3	587	1997 GL ₃	1997 04 12.92662	13 43 11.27	-03 26 18.6	587
1997 CK ₁₃	1997 04 07.87685	11 17 36.20	+09 03 00.8	587	1997 GL ₃	1997 04 12.93009	13 43 10.07	-03 26 09.9	587
1997 CK ₁₃	1997 04 07.91226	11 17 35.06	+09 03 06.3	587	1997 GL ₃	1997 04 17.90376	13 25 18.63	-01 20 50.4	16.5 V 587
1997 CK ₁₃	1997 04 09.83970	11 16 37.79	+09 07 48.3	587	1997 GL ₃	1997 04 17.90926	13 25 17.80	-01 20 45.2	587
1997 CK ₁₃	1997 04 12.83594	11 15 17.38	+09 13 57.7	587	1997 GL ₃	1997 04 17.91794	13 25 16.48	-01 20 36.6	587
1997 CK ₁₃	1997 04 12.87477	11 15 16.34	+09 14 02.3	587	1997 GC ₄	* 1997 04 08.89306	12 07 33.09	+01 12 54.7	18.0 V 587
1997 CK ₁₃	1997 04 12.95226	11 15 14.29	+09 14 11.0	587	1997 GC ₄	1997 04 08.90058	12 07 32.56	+01 12 54.5	587
1997 CL ₁₃	1997 03 16.89618	11 31 05.70	+11 47 23.9	587	1997 GC ₄	1997 04 09.86227	12 06 35.60	+01 15 03.3	587
1997 CL ₁₃	1997 03 16.90110	11 31 05.51	+11 47 25.8	587	1997 GC ₄	1997 04 09.86921	12 06 35.16	+01 15 04.0	587
1997 CL ₁₃	1997 03 16.90422	11 31 05.26	+11 47 28.7	587	1997 GC ₄	1997 04 12.94236	12 03 40.10	+01 21 04.0	587
1997 CL ₁₃	1997 03 31.92974	11 20 09.64	+13 28 24.5	587	1997 GC ₄	1997 04 12.95990	12 03 39.11	+01 21 05.9	587
1997 CL ₁₃	1997 03 31.94115	11 20 09.24	+13 28 27.5	587	(1287)	1996 12 08.75896	00 42 22.33	+03 15 31.8	S 587

(1287)	1996 12 14.79913	00 44 11.00	+03 14 28.5		587	1994 TK ₃	1997 03 29.96639	14 22 33.58	-09 13 31.4		596
(1287)	1996 12 14.87175	00 44 12.50	+03 14 29.7		587	1994 TK ₃	1997 04 09.89850	14 15 26.20	-08 29 21.1		596
589 Santa Lucia Stroncone						1994 TK ₃	1997 04 09.93927	14 15 24.43	-08 29 09.2		596
A. Vagnozzi, Via Santa Lucia 68, I-05039 Stroncone (Terni), Italy						1997 DC	1997 03 14.85828	11 30 24.25	+04 25 27.2	17.0 V	596
[vagnozzi@free.net.hut.fi]						1997 DC	1997 03 14.87287	11 30 23.20	+04 25 33.0		596
Observers A. Vagnozzi, G. Bernabei, V. Risoldi, E. Gregori, F. Lombardi						1997 DC	1997 03 16.85447	11 28 34.92	+04 40 15.1		596
0.50-m <i>f</i> /2.8 Ritchey-Chrétien + CCD						1997 DC	1997 03 16.86477	11 28 34.30	+04 40 19.7		596
GSC						1997 DC	1997 03 16.87899	11 28 33.43	+04 40 25.9		596
1997 AO ₁₇	1997 03 14.81052	07 50 20.57	+31 37 01.2	19.3 V	589	1997 DC	1997 03 27.80132	11 19 04.36	+05 56 51.8	16.8 V	596
1997 AO ₁₇	1997 03 14.84517	07 50 21.57	+31 36 57.8		589	1997 DC	1997 03 27.81162	11 19 03.82	+05 56 56.2		596
1997 BH ₃	1997 03 04.81002	07 41 59.33	+14 18 30.8	18.3 V	589	1997 DC	1997 03 27.82191	11 19 03.34	+05 57 00.8		596
1997 BH ₃	1997 03 04.93012	07 41 59.97	+14 19 09.0		589	1997 EM ₁₅	1997 03 27.84723	12 07 04.54	-01 28 27.3	18.2 V	596
1997 BH ₃	1997 03 11.90815	07 43 37.90	+14 53 57.6	18.5 V	589	1997 EM ₁₅	1997 03 27.85669	12 07 03.85	-01 28 26.5		596
1997 BH ₃	1997 03 11.92150	07 43 38.03	+14 54 01.4		589	1997 EM ₁₅	1997 03 27.87334	12 07 02.65	-01 28 22.9		596
1997 BH ₃	1997 03 11.93180	07 43 38.24	+14 54 03.7		589	1997 EM ₁₅	1997 03 27.88858	12 07 01.68	-01 28 20.1		596
1997 BH ₃	1997 03 11.94211	07 43 38.49	+14 54 07.8		589	1997 EM ₁₅	1997 03 29.86392	12 04 50.99	-01 22 44.8		596
595 Farra d'Isonzo						1997 EM ₁₅	1997 03 29.87414	12 04 50.28	-01 22 42.6		596
L. Bittesini, Via dei Conventi 10, I-34070 Farra D'Isonzo (GO), Italy						1997 EM ₁₅	1997 03 29.88149	12 04 49.80	-01 22 42.0		596
[ccaf@quark.it]						1997 EM ₁₅	1997 03 30.84238	12 03 46.64	-01 20 01.5		596
Observers A. Toso, W. Boschin, L. Drigo, G. Lombardi, E. Pettarin F. Piani						1997 ED ₂₃	1997 03 30.87631	12 03 44.39	-01 19 55.0		596
Measurers L. Drigo, E. Pettarin, G. Lombardi, A. Toso						1997 ED ₂₃	1997 03 12.90788	12 20 38.39	-02 24 07.8	18.2 V	596
0.4-m <i>f</i> /4.5 reflector + CCD						1997 ED ₂₃	1997 03 12.92517	12 20 37.54	-02 24 04.5		596
GSC						1997 ED ₂₃	1997 03 27.84723	12 07 28.66	-01 29 06.2		596
1994 NC	1997 03 09.97729	13 20 31.94	-01 01 03.6		595	1997 ED ₂₃	1997 03 27.85669	12 07 28.08	-01 29 03.7		596
1994 NC	1997 03 09.99785	13 20 31.25	-01 00 52.8		595	1997 ED ₂₃	1997 03 27.87334	12 07 27.17	-01 28 59.2		596
1994 NC	1997 03 11.00221	13 19 59.51	-00 53 14.5		595	1997 ED ₂₃	1997 03 27.88858	12 07 26.22	-01 28 56.8		596
1994 NC	1997 03 11.01602	13 19 59.05	-00 53 10.1		595	1997 ED ₂₃	1997 03 29.86392	12 05 39.30	-01 21 17.8	18.4	596
1997 EK ₄₆	* 1997 03 09.88332	07 01 01.01	+20 48 20.6		595	1997 ED ₂₃	1997 03 29.87414	12 05 38.77	-01 21 15.9		596
1997 EK ₄₆	1997 03 09.92192	07 01 01.67	+20 48 20.1		595	1997 ED ₂₃	1997 03 29.88149	12 05 38.31	-01 21 14.4		596
1997 EK ₄₆	1997 03 09.94225	07 01 02.00	+20 48 18.8		595	1997 ED ₂₃	1997 03 30.81229	12 04 48.47	-01 17 40.6	18.9 V	596
1997 EK ₄₆	1997 03 10.84634	07 01 17.83	+20 47 48.2		595	1997 ED ₂₃	1997 03 30.82417	12 04 47.72	-01 17 39.9		596
1997 EK ₄₆	1997 03 10.91609	07 01 18.86	+20 47 43.5		595	1997 ED ₂₃	1997 03 30.87631	12 04 45.01	-01 17 27.1		596
596 Colleverde di Guidonia						1997 ED ₂₃	1997 03 31.81623	12 03 55.06	-01 13 55.0	18.8 V	596
V. S. Casulli, Via M. Rosa 1, I-00010 Colleverde di Guidonia (RM), Italy						1997 ED ₂₃	1997 03 31.82632	12 03 54.45	-01 13 51.1		596
[casulli@astrom.astro.it]						1997 ED ₂₃	1997 03 31.84403	12 03 53.46	-01 13 47.0		596
0.40-m <i>f</i> /2.95 reflector + CCD						1997 ED ₂₃	1997 03 31.86252	12 03 52.41	-01 13 42.9		596
GSC						1997 ED ₂₃	1997 04 06.81888	11 58 49.85	-00 52 24.7	18.7 V	596
1994 QC	1997 03 30.91950	16 09 40.91	+12 14 34.9	18.2 V	596	1997 ED ₂₃	1997 04 06.83062	11 58 49.26	-00 52 21.9		596
1994 QC	1997 03 30.92637	16 09 41.60	+12 14 50.8		596	1997 ED ₂₃	1997 04 07.79752	11 58 03.12	-00 49 12.3		596
1994 QC	1997 03 30.93323	16 09 42.54	+12 15 08.1		596	1997 ED ₂₃	1997 04 07.83873	11 58 01.14	-00 49 03.7		596
1994 RB ₁	1997 03 20.93712	13 55 36.64	-16 20 37.3	17.5 V	596	1997 FR	* 1997 03 27.84723	12 07 56.70	-01 28 17.1	18.4 V	596
1994 RB ₁	1997 03 20.95428	13 55 36.08	-16 20 34.0		596	1997 FR	1997 03 27.85669	12 07 56.11	-01 28 15.1		596
1994 RB ₁	1997 03 20.97562	13 55 35.43	-16 20 26.8		596	1997 FR	1997 03 27.87334	12 07 55.21	-01 28 12.3		596
1994 RB ₁	1997 03 29.90545	13 50 19.23	-15 34 23.7		596	1997 FR	1997 03 27.88858	12 07 54.22	-01 28 08.8		596
1994 RB ₁	1997 03 29.91575	13 50 18.78	-15 34 19.8		596	1997 FR	1997 03 29.86392	12 05 56.38	-01 21 14.7		596
1994 RB ₁	1997 03 29.92847	13 50 18.30	-15 34 14.4		596	1997 FR	1997 03 29.87414	12 05 55.69	-01 21 12.3		596
1994 RB ₁	1997 04 07.87019	13 43 48.69	-14 36 41.1	18.0 V	596	1997 FR	1997 03 29.88149	12 05 55.35	-01 21 11.1		596
1994 RB ₁	1997 04 07.88457	13 43 47.94	-14 36 34.7		596	1997 FR	1997 03 30.81229	12 05 00.51	-01 17 59.4	19.0 V	596
1994 TK ₃	1997 03 29.94580	14 22 34.37	-09 13 36.3	18.0 V	596	1997 FR	1997 03 30.82417	12 04 59.81	-01 17 56.0		596
1994 TK ₃	1997 03 29.95610	14 22 34.03	-09 13 33.4		596	1997 FR	1997 03 30.84238	12 04 58.72	-01 17 53.3		596
						1997 FR	1997 03 31.82632	12 04 01.28	-01 14 31.3		596
						1997 FR	1997 03 31.84403	12 04 00.11	-01 14 29.9		596

1997 FR	1997 03 31.86252	12 03 59.01	-01 14 25.3		596	1997 AP ₁₀	1997 01 17.82326	07 55 41.71	+19 56 23.8		599
1997 FR	1997 04 07.79752	11 57 36.78	-00 52 44.1	19.0 V	596	1997 AA ₁₆	1997 01 16.88027	07 57 45.15	+19 45 15.8	18.4 V	599
1997 FR	1997 04 07.83873	11 57 34.62	-00 52 37.6		596	1997 AA ₁₆	1997 01 16.89086	07 57 44.57	+19 45 17.4		599
1997 FU	1997 04 03.78392	11 18 28.56	+23 10 01.0	17.0 V	596	1997 AC ₁₆	1997 01 16.88027	07 58 22.53	+20 10 24.2	18.7 V	599
1997 FU	1997 04 03.79495	11 18 28.05	+23 09 58.1		596	1997 AC ₁₆	1997 01 16.89086	07 58 21.81	+20 10 29.0		599
1997 FU	1997 04 03.80558	11 18 27.56	+23 09 57.3		596	1997 AF ₁₆	1997 01 15.91678	09 28 51.51	+17 57 43.2	19.0 V	599
1997 FJ ₁	* 1997 03 30.81229	12 04 44.51	-01 23 17.1	19.2 V	596	1997 AF ₁₆	1997 01 15.94884	09 28 49.75	+17 57 46.9		599
1997 FJ ₁	1997 03 30.82417	12 04 44.03	-01 23 09.8		596	1997 AF ₁₆	1997 01 15.96544	09 28 48.88	+17 57 47.3		599
1997 FJ ₁	1997 03 30.84238	12 04 43.15	-01 23 00.3		596	1997 AB ₁₇	1997 01 15.91678	09 27 17.08	+18 42 33.4	18.8 V	599
1997 FJ ₁	1997 03 30.87631	12 04 41.57	-01 22 38.5		596	1997 AB ₁₇	1997 01 15.94884	09 27 15.31	+18 42 48.0		599
1997 FJ ₁	1997 03 31.81623	12 04 01.09	-01 13 01.4		596	1997 AB ₁₇	1997 01 15.96544	09 27 14.56	+18 42 54.9		599
1997 FJ ₁	1997 03 31.82632	12 04 00.75	-01 12 56.2		596	1997 AQ ₁₇	1997 01 16.88027	07 58 43.21	+20 11 26.5	18.1 V	599
1997 FJ ₁	1997 03 31.84403	12 03 59.95	-01 12 43.9		596	1997 AQ ₁₇	1997 01 16.89086	07 58 42.59	+20 11 27.6		599
1997 FJ ₁	1997 03 31.86252	12 03 59.07	-01 12 32.5		596	1997 AV ₁₇	1997 01 15.87269	08 00 46.02	+20 03 08.8	19.4 V	599
1997 FJ ₁	1997 04 03.85020	12 01 52.86	-00 42 23.1	18.5 V	596	1997 AV ₁₇	1997 01 15.88889	08 00 44.81	+20 03 22.1		599
1997 FJ ₁	1997 04 03.85836	12 01 52.64	-00 42 14.0		596	1997 AV ₁₇	1997 01 16.88027	07 59 47.10	+20 16 03.4	19.6 V	599
1997 FM ₁	* 1997 03 31.81623	12 03 51.60	-01 11 25.2	17.6 V	596	1997 AV ₁₇	1997 01 16.89086	07 59 46.45	+20 16 13.3		599
1997 FM ₁	1997 03 31.82632	12 03 51.12	-01 11 08.6		596	1997 AY ₂₁	1997 01 16.88027	07 59 04.34	+19 47 22.9	18.5 V	599
1997 FM ₁	1997 03 31.84403	12 03 50.42	-01 10 38.3		596	1997 AY ₂₁	1997 01 16.89086	07 59 03.66	+19 47 26.0		599
1997 FM ₁	1997 03 31.86252	12 03 49.63	-01 10 08.4		596	1997 AK ₂₂	1997 01 16.88027	07 59 48.53	+19 48 11.6	18.5 V	599
1997 FM ₁	1997 04 01.83292	12 03 12.09	-00 43 21.7	17.3 V	596	1997 AK ₂₂	1997 01 16.89086	07 59 47.95	+19 48 15.9		599
1997 FM ₁	1997 04 01.84374	12 03 11.63	-00 43 03.9		596	1997 AR ₂₃	* 1997 01 15.89711	07 44 32.97	+15 49 14.5	20.4 V	599
1997 FM ₁	1997 04 01.85363	12 03 11.21	-00 42 47.0		596	1997 AR ₂₃	1997 01 15.90660	07 44 32.38	+15 49 15.3		599
1997 FM ₁	1997 04 03.81706	12 01 58.10	+00 10 41.6		596	1997 AR ₂₃	1997 01 16.91060	07 43 40.19	+15 51 29.0	20.2 V	599
1997 FM ₁	1997 04 03.82429	12 01 57.80	+00 10 52.8		596	1997 AR ₂₃	1997 01 16.93588	07 43 38.79	+15 51 31.5		599
1997 FM ₁	1997 04 03.83782	12 01 57.26	+00 11 14.7		596	1997 AS ₂₃	* 1997 01 15.89711	07 45 28.02	+15 35 01.8	20.7 V	599
1997 FM ₁	1997 04 06.79875	12 00 15.42	+01 29 40.3		596	1997 AS ₂₃	1997 01 15.90660	07 45 27.45	+15 35 04.7		599
1997 FM ₁	1997 04 06.80531	12 00 15.20	+01 29 51.5		596	1997 AS ₂₃	1997 01 16.91060	07 44 29.74	+15 39 03.4	20.8 V	599
1997 FM ₁	1997 04 10.79138	11 58 17.17	+03 10 13.6		596	1997 AS ₂₃	1997 01 16.93588	07 44 28.25	+15 39 08.6		599
1997 FM ₁	1997 04 10.80384	11 58 16.84	+03 10 31.6		596	1997 AT ₂₃	* 1997 01 15.89711	07 45 40.86	+15 55 32.1	19.8 V	599
						1997 AT ₂₃	1997 01 15.90660	07 45 40.28	+15 55 35.3		599
						1997 AT ₂₃	1997 01 16.91060	07 44 43.51	+16 01 34.6	20.0 V	599
						1997 AT ₂₃	1997 01 16.93588	07 44 42.00	+16 01 44.6		599
						1997 AU ₂₃	* 1997 01 15.89711	07 46 02.25	+16 03 34.0	19.9 V	599
						1997 AU ₂₃	1997 01 15.90660	07 46 01.61	+16 03 38.3		599
						1997 AU ₂₃	1997 01 16.91060	07 44 55.96	+16 09 53.2	19.8 V	599
						1997 AU ₂₃	1997 01 16.93588	07 44 54.31	+16 10 01.5		599
						1997 AV ₂₃	* 1997 01 15.89711	07 46 49.99	+16 19 16.1	20.3 V	599
						1997 AV ₂₃	1997 01 15.90660	07 46 49.48	+16 19 17.4		599
						1997 AV ₂₃	1997 01 16.91060	07 45 56.74	+16 20 30.0	20.0 V	599
						1997 AV ₂₃	1997 01 16.93588	07 45 55.42	+16 20 34.4		599
						1997 AW ₂₃	* 1997 01 15.89711	07 47 41.77	+16 03 40.8	20.0 V	599
						1997 AW ₂₃	1997 01 15.90660	07 47 41.27	+16 03 43.9		599
						1997 AW ₂₃	1997 01 16.91060	07 46 42.14	+16 07 31.0	20.7 V	599
						1997 AW ₂₃	1997 01 16.93588	07 46 40.65	+16 07 37.9		599
						1997 AX ₂₃	* 1997 01 14.75382	05 56 38.52	+24 21 48.7	18.8 V	599
						1997 AX ₂₃	1997 01 14.76620	05 56 37.79	+24 21 48.8		599
						1997 AX ₂₃	1997 01 15.83547	05 55 39.39	+24 19 48.9	18.8 V	599
						1997 AX ₂₃	1997 01 15.84770	05 55 38.68	+24 19 47.8		599
						1997 AY ₂₃	* 1997 01 14.75382	05 59 45.99	+24 35 06.4	19.7 V	599
						1997 AY ₂₃	1997 01 14.76620	05 59 45.30	+24 35 08.7		599
						1997 AY ₂₃	1997 01 15.83547	05 58 48.95	+24 39 03.6	19.7 V	599

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Observers A. Boattini, A. Di Paola, F. Pedichini, A. Di Muzio, V. S. Casulli,

A. Vagnozzi, T. Scacciafrotte, V. Risoldi, A. Di Clemente

Measurers A. Boattini, A. Di Paola, F. Pedichini, G. Forti

0.60-m *f*/3 Schmidt + CCD

1982 RR	1997 03 18.12532	11 44 42.19	+02 27 09.2	18.8 V	599	1997 AV ₂₃	* 1997 01 15.89711	07 46 49.99	+16 19 16.1	20.3 V	599
1982 RR	1997 03 18.13542	11 44 41.77	+02 27 14.1		599	1997 AV ₂₃	1997 01 15.90660	07 46 49.48	+16 19 17.4		599
1994 PB	1997 03 17.97639	11 58 05.75	-08 58 18.3	17.8 V	599	1997 AV ₂₃	1997 01 16.91060	07 45 56.74	+16 20 30.0	20.0 V	599
1994 PB	1997 03 17.99671	11 58 04.81	-08 58 11.0		599	1997 AV ₂₃	1997 01 16.93588	07 45 55.42	+16 20 34.4		599
1995 XL ₁	1997 03 17.97639	11 58 28.48	-08 54 23.7	18.0 V	599	1997 AW ₂₃	* 1997 01 15.89711	07 47 41.77	+16 03 40.8	20.0 V	599
1995 XL ₁	1997 03 17.99671	11 58 27.30	-08 54 17.8		599	1997 AW ₂₃	1997 01 15.90660	07 47 41.27	+16 03 43.9		599
1996 AY ₃	1997 03 18.99539	13 28 03.00	+11 07 21.2	18.2 V	599	1997 AW ₂₃	1997 01 16.91060	07 46 42.14	+16 07 31.0	20.7 V	599
1996 AY ₃	1997 03 19.00521	13 28 02.67	+11 07 25.3		599	1997 AW ₂₃	1997 01 16.93588	07 46 40.65	+16 07 37.9		599
1997 AC ₂	1997 01 16.97462	08 17 36.82	+27 07 30.7	17.5 V	599	1997 AX ₂₃	* 1997 01 14.75382	05 56 38.52	+24 21 48.7	18.8 V	599
1997 AC ₂	1997 01 16.99811	08 17 35.40	+27 07 31.3		599	1997 AX ₂₃	1997 01 14.76620	05 56 37.79	+24 21 48.8		599
1997 AP ₁₀	1997 01 15.87269	07 59 27.89	+19 49 48.5	19.5 V	599	1997 AX ₂₃	1997 01 15.83547	05 55 39.39	+24 19 48.9	18.8 V	599
1997 AP ₁₀	1997 01 15.88889	07 59 25.93	+19 49 53.9		599	1997 AX ₂₃	1997 01 15.84770	05 55 38.68	+24 19 47.8		599
1997 AP ₁₀	1997 01 16.88027	07 57 31.29	+19 53 15.3	20.0 V	599	1997 AY ₂₃	* 1997 01 14.75382	05 59 45.99	+24 35 06.4	19.7 V	599
1997 AP ₁₀	1997 01 16.89086	07 57 29.93	+19 53 18.3		599	1997 AY ₂₃	1997 01 14.76620	05 59 45.30	+24 35 08.7		599
1997 AP ₁₀	1997 01 17.80804	07 55 43.44	+19 56 19.6	20.5 V	599	1997 AY ₂₃	1997 01 15.83547	05 58 48.95	+24 39 03.6	19.7 V	599

1997 AY ₂₃	1997 01 15.84770	05 58 48.30	+24 39 07.8		599	1997 AM ₂₄	1997 01 15.88889	08 01 23.70	+20 06 18.9		599
1997 AZ ₂₃	* 1997 01 14.75382	05 59 52.06	+25 00 33.3	18.5 V	599	1997 AM ₂₄	1997 01 16.88027	08 00 31.65	+20 08 34.4	19.8 V	599
1997 AZ ₂₃	1997 01 14.76620	05 59 51.41	+25 00 34.6		599	1997 AM ₂₄	1997 01 16.89086	08 00 31.07	+20 08 37.5		599
1997 AZ ₂₃	1997 01 15.83547	05 59 00.79	+25 02 05.7	18.2 V	599	1997 AN ₂₄	* 1997 01 15.89711	07 46 06.00	+16 04 09.0	20.0 V	599
1997 AZ ₂₃	1997 01 15.84770	05 59 00.21	+25 02 06.6		599	1997 AN ₂₄	1997 01 15.90660	07 46 05.47	+16 04 09.8		599
1997 AA ₂₄	* 1997 01 14.84340	08 00 51.05	+20 08 43.7	20.0 V	599	1997 AN ₂₄	1997 01 16.91060	07 45 12.60	+16 06 16.5	19.6 V	599
1997 AA ₂₄	1997 01 14.85278	08 00 50.44	+20 08 46.5		599	1997 AN ₂₄	1997 01 16.93588	07 45 11.21	+16 06 20.1		599
1997 AA ₂₄	1997 01 16.88027	07 58 44.71	+20 15 09.8	19.7 V	599	1997 BE	1997 01 15.91678	09 28 17.40	+18 13 30.9	19.8 V	599
1997 AA ₂₄	1997 01 16.89086	07 58 44.09	+20 15 11.6		599	1997 BE	1997 01 15.94884	09 28 15.87	+18 13 34.8		599
1997 AB ₂₄	* 1997 01 15.87269	07 59 26.87	+19 19 16.4	19.0 V	599	1997 BE	1997 01 15.96544	09 28 15.18	+18 13 35.8	19.4 V	599
1997 AB ₂₄	1997 01 15.88889	07 59 25.64	+19 19 19.4		599	1997 BH ₃	1997 01 17.83206	08 04 44.16	+09 26 53.2	17.5 V	599
1997 AB ₂₄	1997 01 16.88027	07 58 17.93	+19 22 13.9	20.1 V	599	1997 BH ₃	1997 01 17.85428	08 04 42.98	+09 27 00.2	17.3 V	599
1997 AB ₂₄	1997 01 16.89086	07 58 17.20	+19 22 16.7		599	1997 BK ₉	* 1997 01 17.07595	11 13 22.73	+03 48 35.2	19.3 V	599
1997 AC ₂₄	* 1997 01 15.87269	07 59 42.49	+19 32 54.5	18.9 V	599	1997 BK ₉	1997 01 17.09248	11 13 22.60	+03 48 38.9		599
1997 AC ₂₄	1997 01 15.88889	07 59 41.36	+19 32 58.5		599	1997 BK ₉	1997 01 18.10139	11 13 16.45	+03 51 30.2	19.0 V	599
1997 AC ₂₄	1997 01 16.88027	07 58 33.01	+19 37 13.6	19.1 V	599	1997 BK ₉	1997 01 18.11343	11 13 16.32	+03 51 32.2		599
1997 AC ₂₄	1997 01 16.89086	07 58 32.24	+19 37 17.1		599	1997 BL ₉	* 1997 01 17.07595	11 15 28.86	+03 56 29.4	20.6 V	599
1997 AD ₂₄	* 1997 01 15.89711	07 45 20.88	+15 46 03.2	18.6 V	599	1997 BL ₉	1997 01 17.09248	11 15 28.61	+03 56 29.4		599
1997 AD ₂₄	1997 01 15.90660	07 45 20.53	+15 46 06.1		599	1997 BL ₉	1997 01 18.10139	11 15 12.00	+03 56 58.8	18.9 V	599
1997 AD ₂₄	1997 01 16.91060	07 44 28.19	+15 54 43.6	19.0 V	599	1997 BL ₉	1997 01 18.11343	11 15 11.72	+03 56 59.3		599
1997 AD ₂₄	1997 01 16.93588	07 44 26.83	+15 54 57.1		599	1997 BM ₉	* 1997 01 17.10208	12 59 25.35	-11 22 52.2	20.4 V	599
1997 AE ₂₄	* 1997 01 15.89711	07 46 13.54	+15 27 44.9	20.4 V	599	1997 BM ₉	1997 01 17.11227	12 59 25.74	-11 22 54.1		599
1997 AE ₂₄	1997 01 15.90660	07 46 13.05	+15 27 47.3		599	1997 BM ₉	1997 01 18.13125	12 59 54.00	-11 25 41.2	21.0 V	599
1997 AE ₂₄	1997 01 16.91060	07 45 14.17	+15 31 15.5	20.5 V	599	1997 BM ₉	1997 01 18.15347	12 59 54.59	-11 25 43.3		599
1997 AE ₂₄	1997 01 16.93588	07 45 12.61	+15 31 20.6		599	1997 BN ₉	* 1997 01 17.10208	13 00 31.56	-10 52 26.6	19.8 V	599
1997 AF ₂₄	* 1997 01 15.89711	07 47 40.87	+15 48 11.8	19.0 V	599	1997 BN ₉	1997 01 17.11227	13 00 31.87	-10 52 28.5		599
1997 AF ₂₄	1997 01 15.90660	07 47 40.39	+15 48 13.1		599	1997 BN ₉	1997 01 18.13125	13 01 01.12	-10 54 47.4	20.0 V	599
1997 AF ₂₄	1997 01 16.91060	07 46 49.72	+15 50 03.1	19.2 V	599	1997 BN ₉	1997 01 18.15347	13 01 01.64	-10 54 50.1		599
1997 AF ₂₄	1997 01 16.93588	07 46 48.42	+15 50 06.2		599	1997 BQ ₉	* 1997 01 17.10208	12 58 58.01	-10 56 51.0	18.9 V	599
1997 AG ₂₄	* 1997 01 14.83549	08 00 29.86	+19 41 30.9	19.8 V	599	1997 BQ ₉	1997 01 17.11227	12 58 58.50	-10 56 56.6		599
1997 AG ₂₄	1997 01 14.85278	08 00 28.75	+19 41 36.4		599	1997 BQ ₉	1997 01 18.13125	12 59 50.29	-11 06 15.1	18.0 V	599
1997 AG ₂₄	1997 01 15.87269	07 59 19.35	+19 47 39.7	19.1 V	599	1997 BQ ₉	1997 01 18.15347	12 59 51.40	-11 06 26.7		599
1997 AG ₂₄	1997 01 15.88889	07 59 18.24	+19 47 45.4		599	1997 BR ₉	* 1997 01 17.10208	13 00 03.35	-11 00 35.1	18.6 V	599
1997 AG ₂₄	1997 01 16.88027	07 58 10.76	+19 53 35.6	19.5 V	599	1997 BR ₉	1997 01 17.11227	13 00 03.52	-11 00 39.7		599
1997 AG ₂₄	1997 01 16.89086	07 58 10.03	+19 53 39.2		599	1997 BR ₉	1997 01 18.13125	13 00 19.97	-11 08 12.4	18.5 V	599
1997 AH ₂₄	* 1997 01 15.87269	07 59 05.52	+19 53 53.6	19.9 V	599	1997 BR ₉	1997 01 18.15347	13 00 20.28	-11 08 22.9		599
1997 AH ₂₄	1997 01 15.88889	07 59 04.46	+19 53 54.3		599	1997 CK ₁	1996 11 14.12639	10 07 59.75	+13 54 01.4	19.2 V	599
1997 AH ₂₄	1997 01 16.88027	07 58 02.59	+19 53 03.7	18.8 V	599	1997 CK ₁	1996 11 14.13542	10 08 00.54	+13 53 59.3		599
1997 AH ₂₄	1997 01 16.89086	07 58 01.92	+19 53 02.4		599	1997 EA ₆	1997 03 18.12532	11 47 18.64	+02 22 22.7	18.4 V	599
1997 AJ ₂₄	* 1997 01 15.87269	07 59 14.46	+19 28 04.4	19.6 V	599	1997 EA ₆	1997 03 18.13542	11 47 18.11	+02 22 27.7		599
1997 AJ ₂₄	1997 01 15.88889	07 59 13.41	+19 28 08.4		599	1997 EO ₁₇	1997 03 18.97613	12 26 07.80	+08 49 58.9	18.4 V	599
1997 AJ ₂₄	1997 01 16.88027	07 58 11.64	+19 32 05.4	20.2 V	599	1997 EO ₁₇	1997 03 18.98574	12 26 07.18	+08 50 02.3		599
1997 AJ ₂₄	1997 01 16.89086	07 58 10.93	+19 32 06.7		599	1997 EH ₂₉	1997 03 18.12532	11 45 51.43	+02 22 12.3	20.3 V	599
1997 AK ₂₄	* 1997 01 15.87269	07 59 25.52	+19 52 41.0	20.6 V	599	1997 EH ₂₉	1997 03 18.12991	11 45 50.68	+02 22 19.1	20.4 V	599
1997 AK ₂₄	1997 01 15.88889	07 59 24.50	+19 52 46.1		599	1997 EH ₂₉	1997 03 18.13542	11 45 49.91	+02 22 26.0	20.6 V	599
1997 AK ₂₄	1997 01 16.88027	07 58 27.19	+19 58 14.2	20.4 V	599	1997 ET ₃₀	1997 03 18.10252	10 30 55.33	+17 29 09.1	20.3 V	599
1997 AK ₂₄	1997 01 16.89086	07 58 26.53	+19 58 17.0		599	1997 ET ₃₀	1997 03 18.10718	10 30 54.90	+17 29 10.8	20.2 V	599
1997 AL ₂₄	* 1997 01 15.87269	08 00 42.03	+20 03 24.4	19.2 V	599	1997 ET ₃₀	1997 03 18.11339	10 30 54.42	+17 29 13.0	20.2 V	599
1997 AL ₂₄	1997 01 15.88889	08 00 40.98	+20 03 26.7		599	(469)	1997 03 17.97639	12 00 24.75	-09 22 46.2	11.5 V	599
1997 AL ₂₄	1997 01 16.88027	07 59 38.09	+20 05 49.9	19.3 V	599	(469)	1997 03 17.99671	12 00 23.63	-09 22 45.1		599
1997 AL ₂₄	1997 01 16.89086	07 59 37.43	+20 05 51.5		599	(1649)	1997 02 20.76098	03 11 40.89	+07 07 36.7	19.0 V	T 599
1997 AM ₂₄	* 1997 01 15.87269	08 01 24.62	+20 06 16.7	20.0 V	599	(1649)	1997 02 20.77215	03 11 41.47	+07 07 40.5		T 599

(1711)	1997 02 20.76098	03 10 07.29	+07 24 15.7	16.1 V	T 599	1995 SW ₂₉	1997 03 19.45382	09 34 05.16	+01 49 43.3	17.6 R	608
(1711)	1997 02 20.77215	03 10 07.99	+07 24 21.7		T 599	1995 SW ₂₉	1997 03 19.49250	09 34 03.56	+01 49 44.5	17.6 R	608
(1817)	1997 03 18.83443	11 41 32.66	+49 41 34.1	14.8 V	599	1995 WF	1997 03 19.46397	13 33 39.03	-22 12 21.5	20.2 R	608
(1817)	1997 03 18.85313	11 41 31.40	+49 41 37.1		599	1995 WF	1997 03 19.50869	13 33 37.02	-22 12 12.4	19.7 R	608
(3702)	1997 02 19.82773	03 54 46.64	+10 06 00.2	17.0 V	599	1995 WF	1997 04 04.48214	13 20 12.78	-20 49 14.0	19.9 R	608
(3702)	1997 02 19.83428	03 54 47.30	+10 06 05.6		599	1995 WF	1997 04 04.52813	13 20 10.16	-20 48 55.1	19.8 R	608
(3702)	1997 02 20.80168	03 55 57.98	+10 17 25.1	17.0 V	T 599	1996 RG ₃	1997 03 15.46624	15 06 15.43	-11 27 17.5	18.8 R	608
(3702)	1997 02 20.82252	03 55 59.49	+10 17 39.8		T 599	1996 RG ₃	1997 03 15.51382	15 06 08.93	-11 26 34.2	17.8 R	608
(5962)	1997 02 20.76098	03 08 57.90	+07 24 41.2	19.6 V	T 599	1996 RG ₃	1997 03 19.48237	14 57 25.38	-10 21 57.8	19.1 R	608
(5962)	1997 02 20.77215	03 08 58.55	+07 24 44.7		T 599	1996 RG ₃	1997 03 19.52682	14 57 19.04	-10 21 15.4	19.0 R	608
(6687)	1997 03 18.12532	11 46 26.13	+02 29 34.6	16.5 V	599	1997 ET ₃₀	1997 03 13.42889	10 37 01.43	+17 10 06.7	18.8 R	608
(6687)	1997 03 18.13542	11 46 25.53	+02 29 38.5		599	1997 ET ₃₀	1997 03 13.47550	10 36 57.57	+17 10 18.7	18.7 R	608
604 Archenhold Sternwarte, Berlin-Treptow						(916)	1997 03 01.44707	10 07 45.27	+10 10 48.9	15.1 R	608
A. Doppler, c/o Archenhold-Sternwarte, Alt-Treptow 1, D-12435 Berlin, Germany						(916)	1997 03 01.46708	10 07 43.98	+10 10 51.6	15.2 R	608
Observer D. Przewozny						(916)	1997 03 12.47848	09 57 06.70	+10 31 28.9	15.5 R	608
Measurer A. Gnädig						(916)	1997 03 12.51376	09 57 04.85	+10 31 31.7	15.5 R	608
0.15-m <i>f</i> /15 Schmidt-Cassegrain						(2060)	1997 03 29.49713	13 53 11.34	-11 48 43.6	16.3 R	608
GSC						(2060)	1997 03 29.51030	13 53 11.13	-11 48 41.3	16.3 R	608
(7124)	1996 08 06.99118	22 41 00.82	+16 18 04.0		604	(2060)	1997 04 01.44376	13 52 25.69	-11 43 23.6	16.4 R	608
(7124)	1996 08 07.00310	22 41 00.42	+16 18 07.2		604	(2060)	1997 04 01.51103	13 52 24.59	-11 43 16.2	16.4 R	608
605 Marl						(3067)	1997 03 01.45628	10 51 00.21	+08 54 04.4	14.9 R	608
E. Jung, Havellandstrasse 3, D-45770 Marl, Germany						(3067)	1997 03 01.47254	10 50 59.10	+08 54 08.1	14.9 R	608
0.2-m <i>f</i> /10 Schmidt-Cassegrain + CCD						(3067)	1997 03 12.48828	10 39 25.74	+09 29 04.7	15.7 R	608
GSC						(3067)	1997 03 12.52468	10 39 23.50	+09 29 07.8	15.4 R	608
(1738)	1997 03 31.94285	12 35 25.46	+01 18 56.7	16.0 R	605	(3309)	1997 03 22.43022	14 19 34.62	-02 04 42.2	15.4 R	608
(1738)	1997 03 31.95068	12 35 24.96	+01 18 59.3	15.8 R	605	(3309)	1997 03 22.44483	14 19 33.69	-02 04 51.0	15.9 R	608
(1738)	1997 03 31.95652	12 35 24.52	+01 19 00.5	16.0 R	605	(3309)	1997 03 29.50161	14 11 02.20	-03 16 14.1	15.5 R	608
608 Haleakala-AMOS						(3309)	1997 03 29.51475	14 11 01.00	-03 16 23.1	15.5 R	608
P. Kervin, Air Force Maui Optical Station, 535 Lipoa Parkway, Suite 200, Kihei, Maui, HI 96753, U.S.A. [paul@ulua.mhpsc.af.mil]						(3309)	1997 04 01.46695	14 06 44.08	-03 48 18.2	15.7 R	608
E. F. Helin, MS 183-501, Jet Propulsion Laboratory, Pasadena, CA 91109, U.S.A. [efh@temblor.jpl.nasa.gov]						(3309)	1997 04 01.50979	14 06 39.97	-03 48 46.8	15.5 R	608
Observers A. Alday, K. Moore, M. Tranilla, T. Goggia, A. Sylva						(3480)	1997 03 22.42394	14 27 04.80	-12 55 27.0	16.8 R	608
Measurers J. Africano, P. Sydney, D. Nishimoto, A. Angara, B. McCartney, D. O'Connell, P. Kervin, B. Kraszewski, V. Soo Hoo						(3480)	1997 03 22.45213	14 27 04.57	-12 55 22.5	16.6 R	608
1.2-m reflector + CCD						(3480)	1997 03 29.50304	14 25 41.77	-12 28 00.4	17.0 R	608
1981 EO ₁₉	1997 03 15.46624	15 06 41.80	-11 24 08.1	19.1 R	608	(3480)	1997 03 29.51618	14 25 41.44	-12 27 52.6	17.5 R	608
1981 EO ₁₉	1997 03 15.51382	15 06 41.51	-11 23 57.5	19.3 R	608	(3480)	1997 04 01.46822	14 24 42.93	-12 14 21.2	16.8 R	608
1991 VH	1997 03 22.43173	11 24 57.17	+37 56 41.5	16.1 R	608	(3480)	1997 04 01.51235	14 24 41.81	-12 14 08.4	16.9 R	608
1991 VH	1997 03 22.44321	11 24 55.99	+37 56 57.6	16.1 R	608	(3622)	1997 03 29.50477	14 46 15.98	-20 23 53.7	18.3 R	608
1993 HM ₁	1997 03 19.47919	11 11 48.59	+22 31 28.8	16.7 R	608	(3622)	1997 03 29.51778	14 46 15.57	-20 23 49.9	18.6 R	608
1993 HM ₁	1997 03 19.51937	11 11 46.76	+22 31 49.9	16.6 R	608	(3622)	1997 04 01.47231	14 44 55.65	-20 18 01.7	18.5 R	608
1993 HM ₁	1997 03 20.48233	11 11 05.63	+22 40 12.1	17.2 R	608	(3622)	1997 04 01.52023	14 44 54.21	-20 17 55.6	17.9 R	608
1993 HM ₁	1997 03 20.50047	11 11 04.81	+22 40 21.3	17.0 R	608	(4114)	1997 03 19.46049	13 31 18.74	-18 51 47.2	19.2 R	608
1993 HM ₁	1997 04 01.46209	11 03 45.92	+23 59 48.9	17.0 R	608	(4114)	1997 03 19.50523	13 31 16.73	-18 51 44.4	19.3 R	608
1993 HM ₁	1997 04 01.49993	11 03 44.72	+23 59 59.3	17.7 R	608	(4768)	1997 03 01.45231	10 25 50.21	+00 41 06.4	16.8 R	608
1995 GO	1997 03 19.44347	13 23 37.01	-14 50 44.5	20.2 R	608	(4768)	1997 03 01.46864	10 25 49.40	+00 41 08.1	16.7 R	608
1995 GO	1997 03 19.52214	13 23 35.87	-14 50 41.9	20.6 R	608	(4768)	1997 03 12.48657	10 17 15.48	+01 02 14.1	17.5 R	608
1995 GO	1997 03 20.46464	13 23 22.35	-14 50 07.2	20.8 R	608	(4768)	1997 03 12.52278	10 17 13.85	+01 02 18.4	17.1 R	608
1995 GO	1997 03 20.49648	13 23 21.85	-14 50 05.6	20.5 R	608	(4992)	1997 03 15.46884	12 58 09.13	-22 31 51.0	16.8 R	608
						(4992)	1997 03 15.51627	12 58 07.06	-22 31 40.0	17.5 R	608
						(4992)	1997 03 19.45162	12 55 26.47	-22 12 20.1	17.0 R	608
						(4992)	1997 03 19.50287	12 55 24.15	-22 12 03.2	16.9 R	608
						(5324)	1997 03 19.47221	13 46 17.81	-26 26 30.1	19.5 R	608
						(5324)	1997 03 19.51668	13 46 15.53	-26 26 54.3	19.6 R	608

(6042)	1997 03 01.44509	09 59 41.17	+31 54 05.5	18.0 R	608	(1438)	1997 03 09.00848	12 13 23.79	-03 56 55.2		610
(6042)	1997 03 01.46519	09 59 40.09	+31 54 09.2	18.0 R	608	(1731)	1997 03 08.91173	11 43 01.49	+04 50 38.4	15.0 V	610
(6042)	1997 03 15.42703	09 49 06.47	+32 18 56.8	17.6 R	608	(1731)	1997 03 08.92813	11 43 00.79	+04 50 44.5		610
(6042)	1997 03 15.47721	09 49 04.56	+32 18 57.0	17.9 R	608	(1731)	1997 03 08.94122	11 43 00.23	+04 50 49.4		610
610 Pianoro						(1769)	1997 03 07.91699	10 57 47.78	+05 23 32.7	16.8 V	610
V. Goretti, Via Resistenza 93, I-40065 Pianoro (BO), Italy						(1769)	1997 03 07.93682	10 57 46.44	+05 23 40.2		610
[astrofil@astbo1.bo.cnr.it]						(1769)	1997 03 07.95655	10 57 45.11	+05 23 47.6		610
0.25-m <i>f</i> /4 Schmidt-Cassegrain + CCD						(1830)	1997 03 07.97170	11 25 31.68	+06 37 53.4	14.5 V	610
GSC						(1830)	1997 03 07.99317	11 25 30.41	+06 38 04.5		610
1997 FA	* 1997 03 16.00551	11 38 51.00	+02 13 53.3		610	(1830)	1997 03 08.01738	11 25 28.98	+06 38 17.0		610
1997 FA	1997 03 16.01703	11 38 50.39	+02 13 57.9		610	(2016)	1997 03 08.95897	12 12 58.69	-00 59 12.4	16.8 V	610
1997 FA	1997 03 16.02799	11 38 49.81	+02 14 02.2		610	(2016)	1997 03 08.97869	12 12 57.79	-00 59 06.1		610
1997 FA	1997 03 17.95097	11 37 07.75	+02 26 45.6		610	(2016)	1997 03 09.00006	12 12 56.82	-00 58 59.2		610
1997 FA	1997 03 17.95976	11 37 07.25	+02 26 49.3	17.8 V	610	(2095)	1997 03 08.97166	12 13 13.25	-04 06 58.9	16.1 V	610
1997 FA	1997 03 17.97432	11 37 06.42	+02 26 55.5		610	(2095)	1997 03 08.99185	12 13 12.23	-04 06 54.4		610
1997 FA	1997 03 17.97885	11 37 06.16	+02 26 57.5		610	(2095)	1997 03 09.01142	12 13 11.24	-04 06 49.9		610
1997 GD	* 1997 04 02.94460	12 08 45.53	+12 30 26.4	16.8 V	610	(2217)	1997 03 02.93843	10 43 38.10	+09 49 44.9	15.7 V	610
1997 GD	1997 04 02.95432	12 08 44.75	+12 30 20.3	17.2 V	610	(2217)	1997 03 02.95427	10 43 37.41	+09 49 49.4		610
1997 GD	1997 04 02.96402	12 08 43.97	+12 30 14.3	17.3 V	610	(2217)	1997 03 02.96916	10 43 36.76	+09 49 53.7		610
1997 GD	1997 04 02.97373	12 08 43.19	+12 30 08.2	17.1 V	610	(2237)	1997 03 08.91173	11 43 20.38	+04 42 17.8	16.5 V	610
1997 GD	1997 04 02.98345	12 08 42.41	+12 30 02.1	17.0 V	610	(2237)	1997 03 08.92813	11 43 19.73	+04 42 23.4		610
1997 GD	1997 04 03.85302	12 07 36.47	+12 20 37.4		610	(2237)	1997 03 08.94122	11 43 19.21	+04 42 27.8		610
1997 GD	1997 04 03.85997	12 07 35.90	+12 20 33.0		610	(2252)	1997 03 10.01558	11 38 52.74	+03 04 39.6	15.6 V	610
1997 GD	1997 04 03.86691	12 07 35.33	+12 20 28.7		610	(2252)	1997 03 10.02325	11 38 52.31	+03 04 41.6		610
1997 GD	1997 04 03.87384	12 07 34.76	+12 20 24.3		610	(2252)	1997 03 10.03115	11 38 51.87	+03 04 43.6		610
1997 GD	1997 04 03.88079	12 07 34.19	+12 20 19.9		610	(2628)	1997 03 07.86719	10 21 27.99	+08 43 09.8	17.5 V	610
(18)	1997 03 07.96035	11 28 59.75	+08 48 36.8	10.0 V	610	(2628)	1997 03 07.87867	10 21 27.51	+08 43 12.8		610
(18)	1997 03 07.97839	11 28 58.75	+08 48 47.1		610	(2628)	1997 03 07.89005	10 21 27.03	+08 43 15.8		610
(18)	1997 03 08.00384	11 28 57.33	+08 49 01.5		610	(2864)	1997 03 07.96765	11 26 24.68	+06 51 21.7	15.2 V	610
(122)	1997 03 08.96392	12 12 51.54	-01 23 47.4	12.3 V	610	(2864)	1997 03 07.98807	11 26 23.64	+06 51 29.7		610
(122)	1997 03 08.98237	12 12 50.79	-01 23 42.2		610	(2864)	1997 03 08.01324	11 26 22.36	+06 51 39.6		610
(122)	1997 03 09.00466	12 12 49.89	-01 23 35.9		610	(3485)	1997 03 02.87890	09 00 31.75	+16 39 39.8	17.1 V	610
(811)	1997 03 07.90252	11 00 19.06	+09 06 30.4	15.0 V	610	(3485)	1997 03 02.88705	09 00 31.35	+16 39 41.1		610
(811)	1997 03 07.92088	11 00 18.14	+09 06 36.2		610	(3485)	1997 03 02.89306	09 00 31.06	+16 39 42.1		610
(811)	1997 03 07.94026	11 00 17.18	+09 06 42.3		610	(3727)	1997 03 07.87097	10 21 41.41	+09 25 32.1	16.7 V	610
(1084)	1997 03 08.92256	11 42 32.79	+00 18 49.0	14.7 V	610	(3727)	1997 03 07.88242	10 21 40.95	+09 25 35.2		610
(1084)	1997 03 08.93610	11 42 32.15	+00 18 54.4		610	(3727)	1997 03 07.89370	10 21 40.50	+09 25 38.2		610
(1084)	1997 03 08.94884	11 42 31.55	+00 18 59.4		610	(4149)	1997 03 07.96035	11 28 39.57	+08 53 44.2	15.5 V	610
(1160)	1997 03 08.95369	12 13 26.48	+01 17 48.5	15.2 V	610	(4149)	1997 03 07.97839	11 28 38.75	+08 53 56.2		610
(1160)	1997 03 08.97551	12 13 25.20	+01 17 50.8		610	(4149)	1997 03 08.00384	11 28 37.59	+08 54 13.1		610
(1160)	1997 03 08.99668	12 13 23.95	+01 17 53.1		610	(4376)	1997 03 08.87216	11 11 55.89	+03 48 25.0	16.1 V	610
(1331)	1997 03 07.96394	11 26 25.48	+07 04 12.9	15.0 V	610	(4376)	1997 03 08.88483	11 11 55.08	+03 48 29.9		610
(1331)	1997 03 07.98491	11 26 24.52	+07 04 19.1		610	(4376)	1997 03 08.90148	11 11 54.02	+03 48 36.4		610
(1331)	1997 03 08.01030	11 26 23.36	+07 04 26.6		610	(4385)	1997 03 07.90943	10 59 57.96	+07 15 01.5	17.5 V	610
(1376)	1997 03 07.91233	10 59 43.11	+06 34 54.1	15.6 V	610	(4385)	1997 03 07.92760	10 59 57.13	+07 15 06.2		610
(1376)	1997 03 07.93060	10 59 41.99	+06 35 01.9		610	(4385)	1997 03 07.94737	10 59 56.22	+07 15 11.3		610
(1376)	1997 03 07.95043	10 59 40.79	+06 35 10.4		610	(4831)	1997 03 08.91705	11 42 33.98	+02 20 18.2	16.1 V	610
(1403)	1997 03 07.90640	10 59 58.04	+08 16 46.4	16.2 V	610	(4831)	1997 03 08.93203	11 42 33.27	+02 20 22.4		610
(1403)	1997 03 07.92472	10 59 57.19	+08 16 53.7		610	(4831)	1997 03 08.94513	11 42 32.65	+02 20 26.1		610
(1403)	1997 03 07.94434	10 59 56.28	+08 17 01.5		610	(4977)	1997 03 08.85901	11 12 08.47	+05 37 47.6	16.3 V	610
(1438)	1997 03 08.96773	12 13 25.38	-03 57 05.4	17.0 V	610	(4977)	1997 03 08.87649	11 12 07.36	+05 37 51.5		610
(1438)	1997 03 08.98605	12 13 24.67	-03 57 00.8		610	(4977)	1997 03 08.89541	11 12 06.16	+05 37 55.6		610

(5444)	1997 03 02.94236	10 46 41.56	+08 14 41.9	15.2 V	610	1995 WB	1997 04 02.91910	12 36 56.26	+00 09 47.6	17.4 R	611
(5444)	1997 03 02.95807	10 46 40.65	+08 14 47.4		610	1995 WB	1997 04 02.94410	12 36 55.02	+00 09 55.5	16.7 R	611
(5444)	1997 03 02.97368	10 46 39.75	+08 14 52.9		610	1995 WB	1997 04 06.85347	12 33 37.79	+00 30 33.6	18.1 R	611
(5636)	1997 03 02.93446	10 43 31.52	+10 12 37.9	17.0 V	610	1995 WB	1997 04 06.87257	12 33 37.01	+00 30 37.2	18.5 R	611
(5636)	1997 03 02.95056	10 43 30.68	+10 12 43.8		610	1997 GB	* 1997 04 01.91215	12 38 33.03	+00 02 08.5	17.1 R	611
(5636)	1997 03 02.96546	10 43 29.91	+10 12 49.3		610	1997 GB	1997 04 01.92951	12 38 31.95	+00 02 11.3	17.4 R	611
(5697)	1997 03 08.95369	12 12 53.59	+01 14 41.2	16.6 V	610	1997 GB	1997 04 01.95729	12 38 30.12	+00 02 15.0	17.5 R	611
(5697)	1997 03 08.97551	12 12 52.78	+01 14 51.5		610	1997 GB	1997 04 02.00590	12 38 27.11	+00 02 22.5	17.4 R	611
(5697)	1997 03 08.99668	12 12 51.99	+01 15 01.6		610	1997 GB	1997 04 02.90486	12 37 32.15	+00 04 29.7	17.1 R	611
(5841)	1997 03 07.91699	10 57 31.22	+05 19 19.5	15.9 V	610	1997 GB	1997 04 02.91910	12 37 31.26	+00 04 31.8	17.0 R	611
(5841)	1997 03 07.93682	10 57 29.19	+05 19 14.3		610	1997 GB	1997 04 02.94410	12 37 29.71	+00 04 35.3	16.8 R	611
(5841)	1997 03 07.95655	10 57 27.18	+05 19 09.1		610	1997 GB	1997 04 06.84097	12 33 34.26	+00 13 03.3	17.2 R	611
(5993)	1997 03 08.86352	11 11 42.96	+04 37 10.7	15.6 V	610	1997 GB	1997 04 06.86215	12 33 33.09	+00 13 05.5	16.4 R	611
(5993)	1997 03 08.88069	11 11 41.86	+04 37 15.8		610	1997 GB	1997 04 07.88507	12 32 32.40	+00 15 04.4	16.9 R	611
(5993)	1997 03 08.89845	11 11 40.73	+04 37 21.0		610	1997 GB	1997 04 07.91215	12 32 30.76	+00 15 07.3	18.4 R	611
(6143)	1997 03 16.00551	11 39 01.27	+02 18 01.0	16.6 V	610	1997 GB	1997 04 08.89826	12 31 33.17	+00 16 55.6	17.4 R	611
(6143)	1997 03 16.01703	11 39 00.71	+02 18 04.0		610	1997 GB	1997 04 08.95694	12 31 29.58	+00 17 01.4	16.9 R	611
(6143)	1997 03 16.02799	11 39 00.17	+02 18 06.9		610	1997 GB	1997 04 13.86007	12 26 56.15	+00 24 15.0	17.8 R	611
(6143)	1997 03 17.95097	11 37 26.89	+02 27 15.3		610	1997 GB	1997 04 15.91719	12 25 08.89	+00 26 21.0	17.9 R	611
(6143)	1997 03 17.95976	11 37 26.43	+02 27 18.0		610	1997 GB	1997 04 16.93206	12 24 17.98	+00 27 08.7	17.2 R	611
(6143)	1997 03 17.97432	11 37 25.67	+02 27 22.3		610	1997 GB	1997 04 16.94618	12 24 17.21	+00 27 10.5	17.4 R	611
(6206)	1997 03 08.92256	11 42 15.91	+00 15 10.5	16.4 V	610	1997 GB	1997 04 16.98646	12 24 15.19	+00 27 12.3	17.7 R	611
(6206)	1997 03 08.93610	11 42 15.29	+00 15 14.5		610						
(6206)	1997 03 08.94884	11 42 14.70	+00 15 18.4		610						
(6581)	1997 03 02.93066	10 42 29.20	+10 11 00.9	16.8 V	610						
(6581)	1997 03 02.94659	10 42 28.21	+10 11 03.8		610						
(6581)	1997 03 02.96193	10 42 27.26	+10 11 06.6		610						
(6686)	1997 03 07.86002	10 21 38.81	+10 01 09.9	16.9 V	610						
(6686)	1997 03 07.87504	10 21 38.20	+10 01 15.4		610						
(6686)	1997 03 07.88603	10 21 37.75	+10 01 19.4		610						
(6836)	1997 03 07.86719	10 21 47.46	+08 44 34.0	17.2 V	610						
(6836)	1997 03 07.87867	10 21 46.96	+08 44 36.2		610						
(6836)	1997 03 07.89005	10 21 46.47	+08 44 38.3		610						

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Observers M. Busch, W. Ernst, L. Kurtze, R. Stoss, F. Hormuth, J. Rothermel

Measurer M. Busch, L. Kurtze, F. Hormuth

0.2-m *f*/6 reflector + CCD

GSC

1990 TM ₇	1997 04 06.94028	13 20 23.65	-06 29 01.0	16.5 R	611
1990 TM ₇	1997 04 06.96354	13 20 22.27	-06 28 56.7	17.1 R	611
1991 RH ₄₁	1997 04 01.91215	12 37 47.68	+00 01 37.5	17.6 R	611
1991 RH ₄₁	1997 04 01.92951	12 37 46.73	+00 01 43.5	17.5 R	611
1991 RH ₄₁	1997 04 01.95729	12 37 45.15	+00 01 54.3	17.7 R	611
1991 RH ₄₁	1997 04 02.00590	12 37 42.43	+00 02 12.8	17.5 R	611
1991 RH ₄₁	1997 04 02.94410	12 36 51.73	+00 08 09.5	17.2 R	611
1991 RH ₄₁	1997 04 06.85347	12 33 22.59	+00 32 10.0	17.3 R	611
1991 RH ₄₁	1997 04 06.87257	12 33 21.58	+00 32 16.6	17.5 R	611
1995 WB	1997 04 01.91215	12 37 47.81	+00 04 18.3	17.1 R	611
1995 WB	1997 04 01.92951	12 37 46.97	+00 04 23.6	17.5 R	611
1995 WB	1997 04 02.00590	12 37 42.89	+00 04 48.5	18.6 R	611
1995 WB	1997 04 02.90486	12 36 57.13	+00 09 43.4	17.5 R	611

615 St. Véran

J. C. Merlin, 18 rue P. Mendes-France, F-71200 Le Creusot, France

[merlin@obspm.fr]

Observers J. Boussuge, S. Garro, A. Jacqmin, O. Lardiere, J. C. Merlin,

J. P. Sareyan

Measurer J. C. Merlin

0.62-m reflector + CCD

GSC

(282)	1997 04 06.97035	15 47 07.99	-06 13 20.7		615
(282)	1997 04 06.97135	15 47 07.96	-06 13 20.1		615
(282)	1997 04 06.97223	15 47 07.94	-06 13 20.0		615
(282)	1997 04 06.97273	15 47 07.93	-06 13 19.6		615
(282)	1997 04 06.97507	15 47 07.88	-06 13 18.9		615
(282)	1997 04 06.97594	15 47 07.85	-06 13 18.5		615

617 Arbonne la Forêt

M. Meunier, 385 rue Saint Sebatiën, F-77630 Arbonne la Forêt, France

0.20-m *f*/6 reflector + CCD

GSC

1997 EG ₁₈	1997 03 14.85766	11 17 04.60	+13 27 44.4		617
1997 EG ₁₈	1997 03 14.86524	11 17 04.31	+13 27 48.9		617
1997 EG ₁₈	1997 03 14.87860	11 17 03.44	+13 27 56.1		617
1997 EG ₁₈	1997 03 28.83265	11 06 21.52	+14 57 33.7	17.4	617
1997 EG ₁₈	1997 03 28.85008	11 06 20.79	+14 57 38.2	17.2	617
1997 EG ₁₈	1997 03 28.85720	11 06 20.46	+14 57 41.6	17.6	617
1997 EG ₁₈	1997 03 28.86433	11 06 20.36	+14 57 43.2	17.0	617
1997 EG ₁₈	1997 03 28.87061	11 06 19.89	+14 57 43.7	17.4	617
1997 EG ₁₈	1997 03 28.87440	11 06 19.82	+14 57 44.4	17.6	617
1997 EG ₁₈	1997 03 28.88023	11 06 19.58	+14 57 46.7	17.0	617
1997 EG ₁₈	1997 03 30.88199	11 05 05.13	+15 06 47.2	17.4	617

1997 EG₁₈ 1997 03 30.90031 11 05 04.39 +15 06 52.6 17.5 617
 1997 EG₁₈ 1997 03 30.90549 11 05 04.14 +15 06 53.6 17.0 617

618 Martigues

D. Morata, 15 lot Floria, Qu St.-Jean, F-13500 Martigues, France

[sdmorata@aix.pacwan.net]

Observers D. Morata, S. Morata

0.30-m $f/5.77$ reflector + CCD

GSC

1997 FR₁ * 1997 03 27.94981 12 21 03.01 +18 26 48.8 15.4 618
 1997 FR₁ 1997 03 27.95975 12 21 02.41 +18 26 50.2 15.5 618
 1997 FR₁ 1997 03 27.97435 12 21 01.58 +18 26 53.0 15.3 618
 1997 FR₁ 1997 03 30.97291 12 18 18.60 +18 35 38.8 15.6 618
 1997 FR₁ 1997 04 01.94240 12 16 34.22 +18 39 45.8 15.7 618
 1997 FR₁ 1997 04 01.95494 12 16 33.53 +18 39 47.4 15.8 618
 1997 FR₁ 1997 04 01.96122 12 16 33.19 +18 39 48.1 15.8 618
 1997 FR₁ 1997 04 01.96399 12 16 32.98 +18 39 48.9 16.0 618
 1997 FR₁ 1997 04 01.97263 12 16 32.54 +18 39 49.6 15.8 618
 1997 FR₁ 1997 04 03.84896 12 14 55.98 +18 42 31.1 15.9 618
 1997 FR₁ 1997 04 03.85419 12 14 55.66 +18 42 32.3 15.9 618
 1997 FR₁ 1997 04 03.86539 12 14 55.08 +18 42 33.1 15.7 618
 1997 FR₁ 1997 04 03.89267 12 14 53.68 +18 42 34.6 15.6 618
 1997 FR₁ 1997 04 03.89609 12 14 53.49 +18 42 34.8 15.5 618
 1997 FR₁ 1997 04 06.92839 12 12 23.84 +18 44 23.3 15.1 618
 1997 FR₁ 1997 04 06.94943 12 12 22.72 +18 44 23.6 15.8 618
 1997 FR₁ 1997 04 06.95777 12 12 22.28 +18 44 23.8 15.9 618
 1997 FR₁ 1997 04 06.98713 12 12 20.89 +18 44 23.9 15.9 618
 1997 FR₁ 1997 04 06.99051 12 12 20.73 +18 44 24.1 15.6 618
 1997 FR₁ 1997 04 10.90213 12 09 23.88 +18 42 04.4 16.0 618
 1997 FR₁ 1997 04 10.91149 12 09 23.45 +18 42 03.8 16.1 618
 1997 FR₁ 1997 04 10.93279 12 09 22.51 +18 42 02.0 16.2 618
 1997 FR₁ 1997 04 10.96545 12 09 21.08 +18 41 59.9 16.1 618
 1997 FR₁ 1997 04 10.97190 12 09 20.79 +18 41 59.6 16.0 618
 1997 FR₁ 1997 04 13.85124 12 07 24.11 +18 36 59.5 15.9 618
 1997 FR₁ 1997 04 13.87854 12 07 23.01 +18 36 56.0 16.2 618
 1997 FR₁ 1997 04 13.92474 12 07 21.15 +18 36 50.3 15.9 618
 1997 FR₁ 1997 04 13.96343 12 07 19.56 +18 36 44.9 15.9 618
 1997 FR₁ 1997 04 13.97662 12 07 19.01 +18 36 43.4 15.9 618

620 Observatorio Astronómico de Mallorca

M. Blasco, Afueras s/n, E-07144 Costitx, Baleares, Spain

[astroam@dinky.bitel.es]

Observers A. Lopez, R. Pacheco, M. Blasco

0.20-m $f/6.3$ Schmidt-Cassegrain + CCD, 0.30-m $f/3.3$ Schmidt-Cassegrain + CCD

1980 UL 1997 03 10.93684 11 47 01.59 +14 57 43.2 17.7 620
 1980 UL 1997 03 10.96215 11 47 00.23 +14 58 01.7 17.7 620
 1980 UL 1997 03 10.97998 11 46 59.30 +14 58 15.0 17.7 620
 1980 UL 1997 03 13.89809 11 44 30.19 +15 33 18.3 620
 1980 UL 1997 03 13.92778 11 44 28.65 +15 33 39.4 17.5 620
 1980 UL 1997 03 13.94219 11 44 27.90 +15 33 49.6 17.5 620
 1980 UL 1997 03 13.95284 11 44 27.35 +15 33 57.2 17.5 620
 1980 UL 1997 03 26.98976 11 33 29.22 +17 52 49.7 620

1980 UL 1997 03 27.00243 11 33 28.60 +17 52 56.7 620
 1980 UL 1997 03 27.03027 11 33 27.23 +17 53 12.1 620
 1980 UL 1997 03 27.12078 11 33 22.78 +17 54 02.1 620
 1980 UL 1997 03 27.13003 11 33 22.33 +17 54 07.2 620
 1997 ER₃₀ * 1997 03 10.94890 11 47 17.53 +14 37 03.7 620
 1997 ER₃₀ 1997 03 10.96991 11 47 16.25 +14 37 04.5 18.6 620
 1997 ER₃₀ 1997 03 10.98657 11 47 15.23 +14 37 05.2 18.5 620
 1997 ER₃₀ 1997 03 14.97263 11 43 13.46 +14 34 23.2 620
 1997 ER₃₀ 1997 03 14.98686 11 43 12.61 +14 34 22.5 18.7 620
 1997 ER₃₀ 1997 03 15.00579 11 43 11.48 +14 34 21.6 18.5 620
 1997 ER₃₀ 1997 03 15.02494 11 43 10.34 +14 34 20.7 620
 (346) 1997 03 23.88154 11 17 39.74 +18 06 28.7 620
 (346) 1997 03 23.88762 11 17 39.45 +18 06 29.9 620
 (346) 1997 03 23.90116 11 17 38.81 +18 06 32.7 620
 (346) 1997 03 23.91013 11 17 38.39 +18 06 34.5 620
 (346) 1997 03 23.91834 11 17 38.00 +18 06 36.2 620
 (346) 1997 03 23.92917 11 17 37.49 +18 06 38.4 620
 (346) 1997 03 23.96042 11 17 36.02 +18 06 44.8 620
 (346) 1997 03 24.86591 11 16 55.37 +18 09 45.8 620
 (346) 1997 03 24.86829 11 16 55.26 +18 09 46.2 620
 (346) 1997 03 24.90625 11 16 53.51 +18 09 53.6 620
 (346) 1997 03 24.91163 11 16 53.27 +18 09 54.6 620
 (346) 1997 03 24.91811 11 16 52.97 +18 09 55.9 620
 (346) 1997 03 24.92795 11 16 52.52 +18 09 57.8 620
 (346) 1997 03 24.93576 11 16 52.16 +18 09 59.3 620
 (704) 1996 12 13.98600 03 25 59.68 +34 10 49.8 620
 (704) 1996 12 13.99395 03 25 59.38 +34 10 44.8 620
 (704) 1996 12 13.99853 03 25 59.21 +34 10 42.0 620
 (704) 1996 12 14.00854 03 25 58.84 +34 10 35.8 620
 (704) 1996 12 14.01515 03 25 58.59 +34 10 31.7 620
 (704) 1996 12 14.02394 03 25 58.27 +34 10 26.3 620
 (704) 1996 12 14.04382 03 25 57.53 +34 10 13.9 620
 (4114) 1997 04 03.92556 13 18 23.26 -18 16 53.1 620
 (4114) 1997 04 03.94086 13 18 22.43 -18 16 50.4 620
 (4114) 1997 04 03.95581 13 18 21.58 -18 16 47.1 620
 (4114) 1997 04 03.97043 13 18 20.65 -18 16 44.2 620
 (4396) 1997 03 30.04969 09 39 01.38 +19 24 07.2 620
 (4396) 1997 03 30.05564 09 39 01.23 +19 24 06.9 620
 (4396) 1997 03 30.07782 09 39 00.73 +19 24 06.2 620
 (5324) 1997 03 16.08688 13 48 50.00 -25 55 19.6 620
 (5324) 1997 03 16.14061 13 48 47.71 -25 55 49.7 620
 (5324) 1997 03 16.16367 13 48 46.67 -25 56 03.4 620

621 Bergisch Gladbach

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0.60-m $f/5$ reflector + CCD

GSC, PPM

1997 EH₄₆ * 1997 03 07.88896 09 48 33.70 +11 27 23.4 19.1 V 621
 1997 EH₄₆ 1997 03 07.89275 09 48 33.52 +11 27 24.1 19.2 V 621
 1997 EH₄₆ 1997 03 07.94697 09 48 30.79 +11 27 30.5 19.5 V 621
 1997 EH₄₆ 1997 03 07.96106 09 48 30.08 +11 27 31.5 19.2 V 621
 1997 EH₄₆ 1997 03 08.96806 09 47 40.87 +11 29 27.8 19.3 V 621

1997 EH ₄₆	1997 03 08.97189	09 47 40.69	+11 29 28.6	19.4 V	621
1997 EH ₄₆	1997 03 08.97572	09 47 40.50	+11 29 28.9	19.1 V	621
1997 EH ₄₆	1997 03 09.82929	09 46 59.64	+11 31 03.8	19.6 V	621
1997 EH ₄₆	1997 03 09.83300	09 46 59.50	+11 31 03.9	19.9 V	621
1997 EH ₄₆	1997 03 09.83670	09 46 59.35	+11 31 04.6	19.3 V	621
1997 EH ₄₆	1997 03 12.89863	09 44 38.16	+11 36 22.7	19.0 V	621
1997 EH ₄₆	1997 03 12.90818	09 44 37.69	+11 36 22.6	21.4 V	621
1997 EH ₄₆	1997 03 12.91189	09 44 37.50	+11 36 24.3	19.8 V	621
1997 EH ₄₆	1997 03 31.88762	09 34 05.27	+11 53 10.4	19.6 V	621
1997 EH ₄₆	1997 03 31.89641	09 34 05.12	+11 53 10.1	19.7 V	621
1997 EH ₄₆	1997 03 31.90856	09 34 04.80	+11 53 10.6	19.7 V	621
1997 EH ₄₆	1997 04 01.84780	09 33 45.46	+11 53 14.3	20.0 V	621
1997 EH ₄₆	1997 04 01.85221	09 33 45.34	+11 53 14.4	20.3 V	621
1997 EH ₄₆	1997 04 01.85662	09 33 45.28	+11 53 14.2	19.9 V	621
1997 EH ₄₆	1997 04 01.86103	09 33 45.12	+11 53 13.5	19.9 V	621

626 Geel

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0.20-m *f*/10 Schmidt-Cassegrain + CCD

GSC

(3925)	1997 04 09.92216	12 10 49.79	+07 12 07.8	16.2 R	626
(3925)	1997 04 09.96049	12 10 48.38	+07 12 21.2	16.3 R	626

627 Blauvac

A. Klotz, 82 Rue Maroulet, F-81100 Castres, France [klotz@irsamc1.ups-tlse.fr]

Observer R. Roy

Measurer A. Klotz

0.26-m *f*/4.7 reflector + CCD

GSC

1991 CS	1997 03 02.89846	12 42 17.82	+30 02 08.7	15.6	627
1991 CS	1997 03 02.90016	12 42 17.66	+30 02 23.2	15.6	627
1991 CS	1997 03 02.90167	12 42 17.60	+30 02 36.3	15.7	627
1991 VH	1997 03 05.94667	11 53 19.64	+28 22 14.0	16.0	627
1991 VH	1997 03 05.94805	11 53 19.48	+28 22 17.6	16.0	627
1991 VH	1997 03 05.95098	11 53 19.19	+28 22 25.7	16.1	627
1997 CZ ₅	1997 02 28.89210	05 21 19.50	+11 17 46.1	16.1	627
1997 CZ ₅	1997 02 28.89908	05 21 20.53	+11 17 38.2	16.2	627
1997 CZ ₅	1997 02 28.90352	05 21 21.18	+11 17 33.0	16.1	627
1997 CZ ₅	1997 03 02.83789	05 26 06.91	+10 42 18.2	15.6	627
1997 CZ ₅	1997 03 02.85446	05 26 09.31	+10 42 00.5	15.5	627
1997 CZ ₅	1997 03 02.87171	05 26 11.80	+10 41 42.0	15.5	627
1997 CZ ₅	1997 03 05.86895	05 33 33.29	+09 49 45.3	15.7	627
1997 CZ ₅	1997 03 05.88025	05 33 34.89	+09 49 34.0	15.7	627
1997 CZ ₅	1997 03 05.88297	05 33 35.31	+09 49 31.0	15.7	627
1997 DQ	1997 03 06.86147	10 42 29.61	+14 13 16.5	17.5	627
1997 FK ₁	1997 03 31.91328	11 12 22.06	+17 48 25.9	17.3	627
1997 FK ₁	1997 03 31.91864	11 12 21.88	+17 48 25.8	17.5	627
1997 FK ₁	1997 03 31.92387	11 12 21.60	+17 48 25.7	17.7	627
1997 FR ₁	1997 03 31.98640	12 17 24.43	+18 37 55.5	15.8	627
1997 FR ₁	1997 03 31.99011	12 17 24.21	+18 37 56.2	16.0	627
1997 FR ₁	1997 03 31.99433	12 17 23.96	+18 37 56.7	15.8	627
(1565)	1997 02 07.77129	03 37 14.92	+16 29 00.9	16.0	627

(1565)	1997 02 07.78308	03 37 16.15	+16 28 57.8	16.0	627
(1565)	1997 02 07.78587	03 37 16.41	+16 28 57.4	16.1	627
(4137)	1997 02 04.92201	08 13 06.93	+24 42 08.5	15.8	627
(4137)	1997 02 04.92953	08 13 06.46	+24 42 09.3	15.9	627
(4137)	1997 02 04.93677	08 13 06.03	+24 42 10.1	15.8	627
(4179)	1997 02 04.87809	07 58 45.57	+20 40 56.4	14.6	627
(4179)	1997 02 04.88750	07 58 45.38	+20 40 56.9	14.7	627
(4179)	1997 02 04.89131	07 58 45.28	+20 40 57.5	14.7	627

628 Mülheim-Ruhr

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0.2-m Schmidt-Cassegrain + CCD

GSC

(1385)	1997 03 30.88567	07 57 08.67	+23 43 18.9	16.2 V	628
(1385)	1997 03 30.91762	07 57 09.52	+23 43 18.2	16.1 V	628
(1664)	1997 04 01.86020	11 15 33.58	+14 25 46.9	13.9 V	628
(1664)	1997 04 01.90395	11 15 31.98	+14 25 37.2	13.8 V	628

631 Hamburg-Georgswerder

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[th.buck@hamburg.netsurf.de]

0.15-m *f*/8 refractor + CCD

GSC

(541)	1997 03 30.86105	10 51 43.43	-02 25 37.5	15.0 R	631
(541)	1997 03 31.82542	10 51 09.15	-02 20 35.0	15.1 R	631
(541)	1997 03 31.87678	10 51 07.27	-02 20 19.1	15.2 R	631
(916)	1997 03 30.85147	09 45 16.77	+10 43 23.0	16.0 R	631
(916)	1997 03 31.81124	09 44 54.08	+10 43 07.5	15.9 R	631
(1093)	1997 03 21.93683	14 38 39.32	+03 59 06.0	14.0 R	631
(1093)	1997 03 22.01192	14 38 36.97	+03 59 13.8	13.3 R	631
(1093)	1997 03 30.89049	14 33 13.85	+04 13 47.4	13.5 R	631
(1093)	1997 03 31.89582	14 32 31.00	+04 15 14.6	13.3 R	631
(1738)	1997 03 30.87145	12 36 34.25	+01 13 25.2	16.2 R	631
(1738)	1997 03 31.85438	12 35 31.26	+01 18 29.5	16.0 R	631
(1738)	1997 03 31.90883	12 35 27.66	+01 18 46.3	16.3 R	631
(1738)	1997 04 06.82101	12 29 10.44	+01 47 51.0	16.1 R	631
(1738)	1997 04 06.84987	12 29 08.55	+01 47 58.2	16.1 R	631
(3309)	1997 04 11.88501	13 48 56.35	-05 49 47.8	15.2 R	631
(3309)	1997 04 11.91874	13 48 52.46	-05 50 13.1	15.2 R	631

658 Dominion Astrophysical Observatory, Victoria

J. B. Tatum, Dept. of Physics, University of Victoria, P.O. Box 3055, Victoria, BC V8W 3P6, Canada [universe@uvvm.uvic.ca]

Observer D. D. Balam, G. C. L. Aikman

Measurers D. D. Balam, T. B. Spahr, G. C. L. Aikman

1.82-m Plaskett telescope + CCD

GSC, USNO-A1.0

1984 BC	1997 04 03.20609	10 53 01.39	+41 54 01.7	17.5 R	658
1984 BC	1997 04 03.20713	10 53 01.45	+41 54 01.2	17.5 R	658
1984 BC	1997 04 03.20816	10 53 01.47	+41 54 01.0	17.6 R	658
1984 BC	1997 04 03.20920	10 53 01.54	+41 54 01.4	17.5 R	658
1984 BC	1997 04 03.21024	10 53 01.57	+41 54 00.9	17.5 R	658

1992 EQ ₈	1997 04 10.32670	10 46 29.04	+12 35 14.0	17.5 R	658	1997 CZ ₅	1997 03 21.28762	06 11 05.66	+06 03 44.2	658
1992 EQ ₈	1997 04 10.33608	10 46 28.83	+12 35 14.7	17.5 R	658	1997 CZ ₅	1997 03 21.29323	06 11 06.45	+06 03 40.1	658
1992 EQ ₈	1997 04 10.34251	10 46 28.69	+12 35 15.1	17.5 R	658	1997 CZ ₅	1997 03 21.29773	06 11 07.10	+06 03 37.5	658
1993 KH	1997 03 28.35395	13 18 14.17	+18 15 39.7		658	1997 CZ ₅	1997 03 24.19965	06 18 07.65	+05 27 07.6	16.0 R 658
1993 KH	1997 03 28.35841	13 18 13.63	+18 15 44.6		658	1997 CZ ₅	1997 03 24.20145	06 18 07.91	+05 27 06.4	658
1993 KH	1997 03 28.36229	13 18 12.97	+18 15 45.6		658	1997 CZ ₅	1997 03 24.20368	06 18 08.24	+05 27 04.8	658
1993 OZ ₂	1997 04 10.47578	15 02 16.62	+12 23 47.8	20.0 R	658	1997 CU ₂₆	1997 03 27.30947	08 24 22.48	+15 43 21.0	17.5 R 658
1993 OZ ₂	1997 04 10.48123	15 02 16.43	+12 23 49.0	20.0 R	658	1997 CU ₂₆	1997 03 27.32187	08 24 22.43	+15 43 21.3	17.5 R 658
1993 OZ ₂	1997 04 10.49032	15 02 16.14	+12 23 52.7	20.0 R	658	1997 CU ₂₆	1997 03 27.33598	08 24 22.32	+15 43 20.5	17.5 R 658
1994 ND	1997 04 07.39278	15 37 16.59	+25 37 00.3	21.1 R	658	1997 EV	1997 03 27.29529	11 25 34.75	+23 38 50.3	18.2 R 658
1994 ND	1997 04 07.40041	15 37 16.38	+25 37 05.6	21.0 R	658	1997 EV	1997 03 27.29999	11 25 34.39	+23 38 47.4	18.1 R 658
1994 ND	1997 04 07.40421	15 37 16.21	+25 37 09.0	21.0 R	658	1997 EV	1997 03 27.30406	11 25 34.02	+23 38 45.3	18.3 R 658
1994 ND	1997 04 09.50075	15 35 59.67	+26 05 16.7	20.6 R	658	1997 EN ₂₃	1997 03 27.37997	11 24 44.65	+07 44 41.5	658
1994 ND	1997 04 09.50627	15 35 59.42	+26 05 21.4	20.7 R	658	1997 EN ₂₃	1997 03 27.38826	11 24 46.75	+07 44 49.8	658
1994 QC	1997 03 27.46356	16 01 43.61	+09 44 28.9	18.5 R	658	1997 EN ₂₃	1997 03 27.39655	11 24 48.92	+07 44 56.7	658
1994 QC	1997 03 27.46662	16 01 44.02	+09 44 36.6		658	1997 EH ₂₉	1997 03 27.41104	11 26 40.19	+05 28 26.7	658
1994 QC	1997 03 27.46892	16 01 44.34	+09 44 42.6		658	1997 EH ₂₉	1997 03 27.41450	11 26 39.85	+05 28 30.1	658
1994 QC	1997 04 10.49847	16 31 37.49	+20 10 27.9	18.2 R	658	1997 EH ₂₉	1997 03 27.41623	11 26 39.62	+05 28 31.7	658
1994 QC	1997 04 10.50182	16 31 37.87	+20 10 36.4	18.3 R	658	1997 ET ₃₀	1997 03 27.22903	10 20 11.67	+17 52 21.3	19.8 R 658
1994 QC	1997 04 11.50872	16 33 30.78	+20 55 50.6	18.2 R	658	1997 ET ₃₀	1997 03 27.23214	10 20 11.43	+17 52 22.0	19.9 R 658
1994 QC	1997 04 11.50976	16 33 30.90	+20 55 53.3	18.2 R	658	1997 ET ₃₀	1997 03 27.23527	10 20 11.20	+17 52 21.0	19.8 R 658
1994 QC	1997 04 11.51080	16 33 31.02	+20 55 56.1	18.1 R	658	1997 ET ₃₀	1997 03 27.23881	10 20 10.99	+17 52 21.6	19.9 R 658
1994 SE	1997 04 10.44906	13 02 44.28	+02 59 44.0	20.1 R	658	1997 ET ₃₀	1997 03 27.24192	10 20 10.87	+17 52 23.3	19.8 R 658
1994 SE	1997 04 10.45917	13 02 43.77	+02 59 47.6	20.2 R	658	1997 GN	1997 04 10.42610	13 01 22.44	-05 29 35.5	17.7 R 658
1994 SE	1997 04 10.46465	13 02 43.26	+02 59 48.4	20.2 R	658	1997 GN	1997 04 10.42714	13 01 22.36	-05 29 34.2	17.7 R 658
1994 VR ₆	1997 03 27.44920	12 22 39.39	+35 50 45.1	19.0 R	658	1997 GN	1997 04 10.42826	13 01 22.32	-05 29 32.9	17.7 R 658
1994 VR ₆	1997 03 27.45454	12 22 39.16	+35 50 45.4	19.0 R	658	1997 GN	1997 04 11.30697	13 00 40.72	-05 11 16.7	17.5 R 658
1994 VR ₆	1997 03 27.45880	12 22 38.96	+35 50 46.1	19.0 R	658	1997 GN	1997 04 11.31056	13 00 40.53	-05 11 12.0	17.6 R 658
1995 QY ₂	1997 03 28.34012	13 15 01.39	+13 14 38.3		658	1997 GN	1997 04 11.31690	13 00 40.23	-05 11 04.0	17.6 R 658
1995 QY ₂	1997 03 28.34374	13 15 01.22	+13 14 40.1		658	1997 GN ₁	1997 04 08.40556	12 46 12.95	-08 01 06.9	19.6 R 658
1995 QY ₂	1997 03 28.34759	13 15 01.05	+13 14 40.5		658	1997 GN ₁	1997 04 08.40728	12 46 12.85	-08 01 06.3	19.6 R 658
1995 SJ ₁	1997 04 09.33619	11 25 48.31	+02 35 01.1	20.1 R	658	1997 GN ₁	1997 04 08.41074	12 46 12.63	-08 01 05.7	19.5 R 658
1995 SJ ₁	1997 04 09.33944	11 25 48.19	+02 35 01.7	20.1 R	658	1997 GP ₁	1997 04 07.27760	10 46 24.60	+12 54 13.4	658
1995 SJ ₁	1997 04 09.34330	11 25 48.05	+02 35 02.5	20.1 R	658	1997 GP ₁	1997 04 07.33508	10 46 23.45	+12 54 34.6	658
1996 VC	1997 03 22.24529	05 44 45.35	+45 06 12.9	17.0 R	658	1997 GP ₁	1997 04 09.27733	10 45 48.77	+13 06 18.5	19.5 R 658
1996 VC	1997 03 22.24667	05 44 45.70	+45 06 10.9		658	1997 GP ₁	1997 04 09.28282	10 45 48.69	+13 06 20.4	19.5 R 658
1996 VC	1997 03 22.25227	05 44 46.69	+45 06 06.9		658	1997 GP ₁	1997 04 09.28649	10 45 48.63	+13 06 21.7	19.5 R 658
1996 XS ₂₃	1997 03 22.29441	06 13 08.81	+53 48 27.4	18.3 R	658	1997 GP ₁	1997 04 10.27316	10 45 32.78	+13 12 01.1	19.7 R 658
1996 XS ₂₃	1997 03 22.29678	06 13 09.14	+53 48 26.3		658	1997 GP ₁	1997 04 10.27780	10 45 32.69	+13 12 02.3	19.6 R 658
1996 XS ₂₃	1997 03 22.29895	06 13 09.44	+53 48 25.0		658	1997 GP ₁	1997 04 10.28300	10 45 32.60	+13 12 04.1	19.6 R 658
1996 YF ₁	1997 03 22.23537	08 17 11.38	+38 46 04.9	18.5 R	658	1997 GP ₁	1997 04 12.23610	10 45 04.75	+13 22 46.7	19.5 R 658
1996 YF ₁	1997 03 22.23677	08 17 11.54	+38 46 03.5		658	1997 GP ₁	1997 04 12.24501	10 45 04.63	+13 22 50.9	19.5 R 658
1996 YF ₁	1997 03 22.23816	08 17 11.70	+38 46 02.5		658	1997 GQ ₁	1997 04 07.25571	10 47 23.91	+12 31 29.9	20.0 R 658
1997 AH ₅	1997 03 24.35438	09 56 47.85	+11 56 46.7	16.5 R	658	1997 GQ ₁	1997 04 07.31306	10 47 23.14	+12 31 35.3	20.0 R 658
1997 AH ₅	1997 03 24.35899	09 56 47.71	+11 56 47.1		658	1997 GR ₁	1997 04 07.25571	10 47 24.07	+12 30 45.7	20.3 R 658
1997 AH ₅	1997 03 24.36528	09 56 47.53	+11 56 47.2		658	1997 GR ₁	1997 04 07.31306	10 47 23.21	+12 31 01.8	20.3 R 658
1997 CW	1997 03 24.38244	10 07 10.81	+18 09 23.8	15.3 R	658	1997 GR ₁	1997 04 10.31301	10 46 33.81	+12 43 31.9	20.5 R 658
1997 CW	1997 03 24.38770	10 07 10.65	+18 09 23.6		658	1997 GR ₁	1997 04 10.32024	10 46 33.64	+12 43 33.0	20.5 R 658
1997 CW	1997 03 24.39389	10 07 10.45	+18 09 23.1		658	1997 GF ₃	1997 04 07.36610	13 24 16.33	-01 48 06.8	18.5 R 658
1997 CZ ₅	1997 03 11.23458	05 46 40.46	+08 23 57.9		658	1997 GF ₃	1997 04 07.36906	13 24 16.32	-01 47 59.3	18.6 R 658
1997 CZ ₅	1997 03 11.23884	05 46 41.03	+08 23 54.8		658	1997 GF ₃	1997 04 07.37207	13 24 16.24	-01 47 50.4	18.4 R 658
1997 CZ ₅	1997 03 11.25007	05 46 42.73	+08 23 44.3		658	1997 GF ₃	1997 04 07.47689	13 24 13.02	-01 42 32.4	658

1997 GF ₃	1997 04 07.47838	13 24 12.97	-01 42 27.9		658	1997 GA ₂₅	1997 04 12.26082	11 03 29.00	+03 02 48.2	19.5 R	658
1997 GF ₃	1997 04 07.47988	13 24 12.93	-01 42 23.2	17.9 R	658	1997 GA ₂₅	1997 04 12.26477	11 03 28.55	+03 02 40.8		658
1997 GF ₃	1997 04 08.43581	13 23 46.31	-00 54 10.6	18.6 R	658	1997 GA ₂₅	1997 04 12.26674	11 03 28.34	+03 02 37.9		658
1997 GF ₃	1997 04 08.43720	13 23 46.25	-00 54 06.6	18.7 R	658	1997 GA ₂₅	1997 04 12.26906	11 03 28.09	+03 02 32.2	20.0 R	658
1997 GF ₃	1997 04 08.43859	13 23 46.22	-00 54 03.3	18.6 R	658	1997 GY ₂₅	1997 04 11.22600	10 45 21.11	+12 57 13.9	19.6 R	658
1997 GF ₃	1997 04 09.45242	13 23 17.71	-00 03 10.1	19.0 R	658	1997 GY ₂₅	1997 04 11.22917	10 45 21.01	+12 57 13.8	19.6 R	658
1997 GF ₃	1997 04 09.45561	13 23 17.58	-00 03 01.3	19.0 R	658	1997 GY ₂₅	1997 04 11.23311	10 45 20.89	+12 57 13.5	19.6 R	658
1997 GF ₃	1997 04 09.45712	13 23 17.58	-00 02 56.0	19.0 R	658	(168)	1997 03 24.30610	09 37 38.18	+09 05 11.2		658
1997 GF ₃	1997 04 11.46759	13 22 20.95	+01 36 46.6	18.9 R	658	(168)	1997 03 24.30981	09 37 38.10	+09 05 12.0		658
1997 GF ₃	1997 04 11.46932	13 22 20.91	+01 36 51.7	18.9 R	658	(168)	1997 03 24.31589	09 37 37.98	+09 05 13.2		658
1997 GF ₃	1997 04 11.47105	13 22 20.85	+01 36 56.9	18.9 R	658	(3671)	1997 03 28.37234	14 31 20.22	+18 34 12.5		658
1997 GF ₃	1997 04 12.42550	13 21 54.30	+02 23 37.2	18.3 R	658	(3671)	1997 03 28.37903	14 31 20.27	+18 34 19.4		658
1997 GF ₃	1997 04 12.42897	13 21 54.22	+02 23 48.2		658	(7267)	1997 03 21.30574	06 53 55.00	+44 45 08.8		658
1997 GF ₃	1997 04 12.43243	13 21 54.08	+02 23 58.4	18.3 R	658	(7267)	1997 03 21.31042	06 53 55.77	+44 45 01.5		658
1997 GG ₃	1997 04 07.35052	13 03 55.31	-06 36 15.5	19.4 R	658	(7267)	1997 03 21.31319	06 53 56.20	+44 44 56.7		658
1997 GG ₃	1997 04 07.35574	13 03 55.02	-06 36 13.9	19.4 R	658						
1997 GG ₃	1997 04 07.36005	13 03 54.61	-06 36 12.1	19.5 R	658	670 Camarillo					
1997 GH ₃	1997 04 09.15612	08 07 26.42	+19 34 08.7	16.5 R	658	J. E. Rogers, 441 Rowland Avenue, Camarillo, CA 93010, U.S.A.					
1997 GH ₃	1997 04 09.15693	08 07 26.74	+19 34 08.4	16.5 R	658	[72401.3174@compuserve.com]					
1997 GH ₃	1997 04 09.15775	08 07 27.05	+19 34 08.0	16.6 R	658	0.25-m Schmidt-Cassegrain + CCD					
1997 GH ₃	1997 04 09.16715	08 07 30.81	+19 34 03.5	16.7 R	658	GSC					
1997 GH ₃	1997 04 09.16795	08 07 31.10	+19 34 02.9	16.6 R	658	1997 GH ₃	1997 04 09.14635	08 07 22.42	+19 34 19.6		670
1997 GH ₃	1997 04 10.20310	08 14 32.07	+19 24 59.9	16.7 R	658	1997 GH ₃	1997 04 09.15642	08 07 26.39	+19 34 15.3	17.3 V	670
1997 GH ₃	1997 04 10.20422	08 14 32.60	+19 24 59.1	16.7 R	658	1997 GH ₃	1997 04 09.17257	08 07 32.77	+19 34 07.0		670
1997 GH ₃	1997 04 11.18171	08 21 12.92	+19 15 22.7	16.5 R	658	1997 GH ₃	1997 04 09.20503	08 07 45.67	+19 33 52.5		670
1997 GH ₃	1997 04 11.18332	08 21 13.57	+19 15 21.7	16.5 R	658	1997 GH ₃	1997 04 10.15260	08 14 11.75	+19 25 36.0		670
1997 GH ₃	1997 04 11.18494	08 21 14.22	+19 15 19.6	16.5 R	658	1997 GH ₃	1997 04 10.16128	08 14 15.29	+19 25 30.7	16.3 V	670
1997 GH ₃	1997 04 12.20644	08 28 14.06	+19 04 07.5	17.0 R	658	1997 GH ₃	1997 04 10.17795	08 14 21.91	+19 25 21.3		670
1997 GH ₃	1997 04 12.20850	08 28 14.80	+19 04 05.9	17.0 R	658	1997 GH ₃	1997 04 10.19253	08 14 27.67	+19 25 13.1		670
1997 GH ₃	1997 04 12.21057	08 28 15.74	+19 04 04.5	17.0 R	658	1997 GH ₃	1997 04 11.16233	08 21 05.07	+19 15 41.6	17.9 V	670
1997 GK ₃	1997 04 09.40017	14 37 20.83	-02 36 26.6	19.2 R	658	1997 GH ₃	1997 04 11.18021	08 21 12.23	+19 15 30.7	17.6 V	670
1997 GK ₃	1997 04 09.40097	14 37 20.47	-02 36 36.1	19.2 R	658	1997 GH ₃	1997 04 11.20382	08 21 21.67	+19 15 15.3	18.2 V	F 670
1997 GK ₃	1997 04 09.40178	14 37 20.16	-02 36 42.8	19.1 R	658	1997 GH ₃	1997 04 13.15312	08 34 44.82	+18 52 48.6	17.4 V	670
1997 GK ₃	1997 04 10.41507	14 31 00.44	-05 44 39.3	19.0 R	658	1997 GH ₃	1997 04 13.16632	08 34 50.07	+18 52 38.6		670
1997 GK ₃	1997 04 10.41692	14 30 59.72	-05 45 02.2	19.0 R	658	1997 GH ₃	1997 04 13.17882	08 34 55.13	+18 52 29.5		670
1997 GK ₃	1997 04 10.41875	14 30 59.00	-05 45 21.6	19.0 R	658	1997 GH ₃	1997 04 13.19219	08 35 00.49	+18 52 19.3		670
1997 GK ₃	1997 04 11.47495	14 24 28.25	-08 54 25.9	19.0 R	658	1997 GL ₃	1997 04 09.24427	14 15 03.93	-07 12 19.2		670
1997 GK ₃	1997 04 11.47633	14 24 27.70	-08 54 39.9	19.0 R	658	1997 GL ₃	1997 04 09.24948	14 14 59.63	-07 11 49.4	15.3 V	670
1997 GL ₃	1997 04 09.39204	14 13 01.52	-06 58 52.5	17.0 R	658	1997 GL ₃	1997 04 09.25764	14 14 52.79	-07 11 03.6		670
1997 GL ₃	1997 04 09.39265	14 13 00.99	-06 58 49.2	17.0 R	658	1997 GL ₃	1997 04 09.26580	14 14 45.93	-07 10 17.7		670
1997 GL ₃	1997 04 09.39328	14 13 00.53	-06 58 45.8	17.0 R	658	1997 GL ₃	1997 04 10.22569	14 03 28.01	-05 50 30.9		670
1997 GL ₃	1997 04 11.46182	13 52 30.87	-04 33 22.8	16.9 R	658	1997 GL ₃	1997 04 10.24531	14 03 15.52	-05 49 06.1	15.7 V	670
1997 GL ₃	1997 04 11.46249	13 52 30.55	-04 33 20.7	16.9 R	658	1997 GL ₃	1997 04 10.26927	14 03 00.28	-05 47 22.7		670
1997 GL ₃	1997 04 11.46317	13 52 30.23	-04 33 18.4	16.9 R	658	1997 GL ₃	1997 04 10.28802	14 02 48.39	-05 46 02.4		670
1997 GA ₅	1997 04 12.43826	14 30 02.44	+02 40 51.6	19.9 R	658	1997 GL ₃	1997 04 11.23142	13 54 22.75	-04 45 51.8	16.6 V	670
1997 GA ₅	1997 04 12.44451	14 30 01.82	+02 40 50.1	19.9 R	658	1997 GL ₃	1997 04 11.24219	13 54 17.38	-04 45 15.4	15.6 V	670
1997 GA ₅	1997 04 12.44762	14 30 01.50	+02 40 49.4	19.9 R	658	1997 GL ₃	1997 04 11.25868	13 54 09.23	-04 44 19.6	16.7 V	670
1997 GR ₁₈	1997 04 11.30697	13 00 22.95	-05 09 19.6	19.7 R	658	1997 GL ₃	1997 04 11.27274	13 54 02.23	-04 43 32.1	15.9 V	670
1997 GR ₁₈	1997 04 11.31056	13 00 22.73	-05 09 19.6	19.7 R	658	1997 GL ₃	1997 04 11.29306	13 53 52.16	-04 42 24.3	15.9 V	670
1997 GR ₁₈	1997 04 11.31690	13 00 22.33	-05 09 20.0	19.6 R	658	1997 GL ₃	1997 04 13.22066	13 41 39.21	-03 15 01.6		670
1997 GA ₂₅	1997 04 11.24490	11 05 20.38	+03 35 44.5	19.6 R	658	1997 GL ₃	1997 04 13.23090	13 41 35.92	-03 14 39.5		670
1997 GA ₂₅	1997 04 11.24663	11 05 20.20	+03 35 42.0	19.7 R	658	1997 GL ₃	1997 04 13.25104	13 41 29.32	-03 13 55.4	16.3 V	670
						1997 GL ₃	1997 04 13.27066	13 41 22.95	-03 13 13.9		670

1997 GL ₃	1997 04 15.24740	13 32 58.80	-02 13 42.6	17.1 V	670	1975 RA ₂	1989 05 09.17326	12 06 35.27	+06 21 47.1		9 675
1997 GL ₃	1997 04 15.25712	13 32 56.59	-02 13 27.9	17.3 V	670	1975 RA ₂	1989 05 09.20382	12 06 34.17	+06 21 38.9	18.8	9 675
1997 GL ₃	1997 04 15.26910	13 32 53.81	-02 13 09.2	17.4 V	670	1975 SK	1992 10 21.41493	03 11 19.38	+15 54 48.0	17.8	9 675
(324)	1997 04 15.14161	07 52 08.00	+23 34 23.0	12.2 V	670	1975 SK	1992 10 21.44306	03 11 18.19	+15 54 43.5		9 675
(324)	1997 04 15.15411	07 52 08.56	+23 34 19.1	12.2 V	670	1975 SK	1992 11 27.21007	02 42 45.92	+14 30 29.8		9 675
675 Palomar						1975 SK	1992 11 27.24115	02 42 44.65	+14 30 28.3	17.5	9 675
E. F. Helin, MS 183-501, Jet Propulsion Laboratory, Pasadena, CA 91109, U.S.A. [efh@alps.jpl.nasa.gov] (2)						1975 TQ ₃	1988 11 09.42743	04 22 21.62	+30 47 20.6	16.5	9 675
C. S. Shoemaker, P.O. Box 984, Flagstaff, AZ 86002, U.S.A. [gshoemaker@iflag2.wr.usgs.gov] (3)						1975 TQ ₃	1988 11 09.45833	04 22 19.54	+30 47 28.6		9 675
C. J. van Houten, Sterrewacht Leiden, Postbus 9513, NL-2300 RA Leiden, The Netherlands [vanhouten@rulh11.leidenuniv.nl] (4)						1975 UE	1993 05 21.21979	13 50 08.75	-08 51 16.6	17.8	9 675
E. Bowell, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001, U.S.A. [elgb@lowell.edu] (6)						1975 UE	1993 05 21.25347	13 50 07.39	-08 51 09.4		9 675
9 = 6 + 3						1975 UF	1992 10 21.41493	03 22 45.12	+15 04 25.3		9 675
Observers P. Bendjoya (3, S), D. J. Chadwick (3, S), B. D. Cudnik (3, S), S. J. Edberg (3, S), T. Gehrels (3, S), E. F. Helin (2, S), H. E. Holt (3, S), K. A. Lawler (3, S), K. J. Lawrence (2, S), G. J. Leonard (3, S), D. H. Levy (3, S), T. Melis (3, S), F. J. Mendez (3, S), C. M. Olmstead (3, S), V. C. Rubin (3, S), C. S. Shoemaker (3, S), E. M. Shoemaker (3, S), J. Stiffler (3, S), N. G. Thomas (3, S), D. K. Williams (3, S), L. A. Zimmerman (3, S)						1975 UF	1992 10 21.42847	03 22 44.61	+15 04 19.9	17.5	9 675
Measurers J. Hlavac (6), K. J. Lawrence (2), B. A. Skiff (6), C. J. van Houten (4), I. van Houten-Groeneveld (4), A. Wisse (4)						1975 UF	1992 10 21.44306	03 22 43.99	+15 04 20.5		9 675
1.2-m Oschin Schmidt (L), 0.46-m Schmidt (S)						1975 UF	1992 10 21.45729	03 22 43.51	+15 04 16.7		9 675
1931 TD ₃	1990 01 29.47708	10 18 13.41	+24 02 05.4		9 675	1975 UF	1992 11 27.21007	02 54 29.17	+13 23 10.6	17.5	9 675
1931 TD ₃	1990 01 29.52431	10 18 10.84	+24 02 22.8	18.2	9 675	1975 UF	1992 11 27.24115	02 54 27.91	+13 23 06.8	17.8	9 675
1955 UN ₁	1990 04 01.38160	13 07 38.29	-05 25 15.3	18.2	9 675	1975 UF	1992 11 28.27604	02 53 46.95	+13 21 11.4	17.8	9 675
1955 UN ₁	1990 04 01.40660	13 07 36.74	-05 25 12.6		9 675	1975 UF	1992 11 28.30990	02 53 45.65	+13 21 08.4		9 675
1957 JP	1988 10 09.37135	01 40 12.66	-03 21 10.5		9 675	1976 QL ₂	1993 07 21.38976	22 33 05.32	-23 39 56.1	17.5	9 675
1957 JP	1988 10 09.40260	01 40 10.77	-03 21 13.1	15.8	9 675	1976 QL ₂	1993 07 21.42465	22 33 04.35	-23 40 06.9		9 675
1957 JP	1988 11 04.25017	01 15 45.30	-03 25 28.3	16.8	9 675	1976 SR ₅	1989 05 07.29948	14 13 09.82	-14 42 51.4	17.8	9 675
1957 JP	1988 11 04.28073	01 15 43.81	-03 25 24.1		9 675	1976 SR ₅	1989 05 07.33403	14 13 07.68	-14 42 45.6		9 675
1969 TM ₁	1993 03 23.27813	12 05 59.62	+07 51 15.1	18.2	9 675	1976 UB ₂	1989 04 01.41354	14 06 05.83	-14 14 07.2	17.8	9 675
1969 TM ₁	1993 03 23.31516	12 05 57.20	+07 51 24.8		9 675	1976 UB ₂	1989 04 01.45399	14 06 04.21	-14 13 59.4		9 675
1969 TM ₁	1993 04 14.17240	11 46 27.98	+08 42 22.5		9 675	1977 QD ₃	1992 02 05.23038	07 12 22.13	+36 14 32.1	19.0	9 675
1969 TM ₁	1993 04 14.20729	11 46 26.46	+08 42 23.7	18.5	9 675	1977 QD ₃	1992 02 05.26806	07 12 20.21	+36 14 25.4		9 675
1969 TQ ₁	1994 03 14.41024	12 25 27.94	+01 22 58.8	19.0	9 675	1977 QY ₃	1994 09 10.33056	00 15 55.64	-11 49 00.8	16.2	9 675
1969 TT ₁	1990 04 01.38160	13 10 50.07	-06 48 38.4	18.2	9 675	1977 QY ₃	1994 09 10.35990	00 15 54.06	-11 49 14.4		9 675
1969 TT ₁	1990 04 01.40660	13 10 48.55	-06 48 31.1		9 675	1978 OB	1992 10 26.47708	03 49 13.86	+08 57 31.5		9 675
1971 UN	1989 03 07.46701	12 55 39.01	+00 51 54.4		9 675	1978 OB	1992 10 26.51059	03 49 11.96	+08 57 23.2	18.2	9 675
1971 UN	1989 03 07.49540	12 55 37.75	+00 52 02.7		9 675	1978 OB	1992 11 27.28142	03 15 05.10	+07 53 32.4	17.8	9 675
1971 UN	1989 03 29.31615	12 36 40.03	+02 26 08.5	17.8	9 675	1978 OB	1992 11 27.31597	03 15 02.94	+07 53 33.8		9 675
1971 UN	1989 03 29.34497	12 36 38.28	+02 26 16.1		9 675	1978 OB	1992 11 28.27604	03 14 07.91	+07 53 48.3	17.8	9 675
1971 UD ₁	1993 05 21.21979	14 03 41.30	-10 18 18.0	18.8	9 675	1978 PE	1992 06 28.44340	21 56 25.29	-10 41 43.0		9 675
1971 UD ₁	1993 05 21.25347	14 03 39.74	-10 18 13.8		9 675	1978 QA ₂	1988 05 10.37569	16 15 47.72	-16 16 37.7		9 675
1973 AW ₃	1994 09 10.33056	00 10 50.17	-10 49 49.5	17.2	9 675	1978 QA ₂	1988 05 10.40608	16 15 45.99	-16 16 28.6		9 675
1973 AW ₃	1994 09 10.35990	00 10 48.79	-10 49 58.7		9 675	1978 RR ₁	1992 11 28.27604	03 19 22.93	+12 20 10.0	18.5	9 675
1974 QM ₂	1988 11 09.42743	04 10 47.62	+30 24 44.3	17.5	9 675	1978 RR ₁	1992 11 28.30990	03 19 20.90	+12 20 04.6		9 675
1974 QM ₂	1988 11 09.45833	04 10 45.36	+30 24 43.8		9 675	1978 RD ₁₀	1988 09 10.24705	22 09 03.87	-10 41 22.6	17.8	9 675
1974 RY ₁	1988 05 10.37569	15 54 31.82	-16 16 01.6	17.8	9 675	1978 RD ₁₀	1988 09 10.28420	22 09 02.23	-10 41 32.9		9 675
1974 RY ₁	1988 05 10.40608	15 54 29.98	-16 15 52.8		9 675	1978 SE ₅	1993 05 21.21979	13 50 15.89	-07 23 11.2	18.0	9 675
						1978 SE ₅	1993 05 21.25347	13 50 14.57	-07 22 59.7		9 675
						1978 SP ₅	1992 11 30.32760	02 34 17.93	+10 35 41.8	17.5	9 675
						1978 SP ₅	1992 11 30.36007	02 34 16.79	+10 35 35.1		9 675
						1978 SV ₇	1988 11 09.42743	04 07 23.61	+31 17 09.0		9 675
						1978 SV ₇	1988 11 09.45833	04 07 21.76	+31 17 08.3	18.0	9 675
						1978 UG	1993 09 21.23420	22 55 53.15	-12 47 19.4	17.5	9 675
						1978 UG	1993 09 21.27031	22 55 51.40	-12 47 23.0		9 675
						1978 UV	1993 03 23.31516	12 13 11.85	+05 52 55.7		9 675
						1978 VP ₁	1989 11 04.42274	03 45 54.19	+21 41 31.1		9 675
						1978 VP ₁	1989 11 04.45694	03 45 52.52	+21 41 24.6		9 675
						1978 VX ₄	1992 10 25.33490	01 59 32.91	+07 15 37.9		9 675

1978 VX ₄	1992 10 25.37014	01 59 30.79	+07 15 31.6	18.2	9 675	1981 EV ₈	1989 08 30.27656	22 02 52.29	-01 05 29.4		9 675
1978 VD ₇	1992 10 25.33490	02 09 57.33	+09 34 03.0	18.5	9 675	1981 EV ₈	1989 08 30.31233	22 02 50.57	-01 05 46.3	17.0	9 675
1978 VD ₇	1992 10 25.37014	02 09 55.43	+09 33 54.0		9 675	1981 EV ₁₄	1979 12 20.36250	06 37 19.71	+26 00 38.6		6 675
1978 VZ ₇	1988 09 10.28420	22 12 30.60	-12 27 47.1		9 675	1981 EV ₁₄	1979 12 20.41458	06 37 16.60	+26 00 34.8		6 675
1978 VK ₈	1992 10 21.41493	03 19 15.88	+15 39 41.7	18.0	9 675	1981 EZ ₁₈	1990 04 01.38160	12 41 52.95	-07 15 33.9	18.2	9 675
1978 VK ₈	1992 10 21.42847	03 19 15.37	+15 39 38.9	18.0	9 675	1981 EZ ₁₈	1990 04 01.40660	12 41 51.66	-07 15 26.5		9 675
1978 VK ₈	1992 10 21.44306	03 19 14.75	+15 39 38.8		9 675	1981 EZ ₁₈	1992 10 25.42760	03 51 51.04	+22 14 06.7	19.0	9 675
1978 VK ₈	1992 10 21.45729	03 19 14.12	+15 39 36.2		9 675	1981 EO ₁₉	1953 10 10.47674	03 58 16.37	+11 48 42.1		6 675
1978 VK ₈	1992 11 27.21007	02 48 49.49	+14 06 44.7	17.5	9 675	1981 EO ₁₉	1953 10 10.50000	03 58 15.98	+11 48 34.3		6 675
1978 VK ₈	1992 11 27.24115	02 48 48.16	+14 06 41.7		9 675	1981 EL ₂₁	1992 10 21.41493	03 10 54.08	+17 09 11.6	17.8	9 675
1978 VO ₈	1993 09 21.30747	00 00 31.08	-03 32 56.9		9 675	1981 EL ₂₁	1992 10 21.44306	03 10 52.73	+17 09 05.2		9 675
1978 VO ₈	1993 09 21.34497	00 00 29.26	-03 33 08.8		9 675	1981 EL ₂₁	1992 11 27.21007	02 39 56.12	+14 25 08.7	18.2	9 675
1978 VE ₁₀	1989 11 04.42274	03 50 22.67	+19 47 54.2		9 675	1981 EL ₂₁	1992 11 27.24115	02 39 54.75	+14 25 02.6		9 675
1978 VE ₁₀	1989 11 04.45694	03 50 21.12	+19 47 51.5		9 675	1981 ER ₂₅	1991 08 08.42483	23 32 28.43	-00 45 13.7	18.8	9 675
1978 VE ₁₁	1951 09 09.28125	22 22 55.41	+01 19 12.3	18.2	6 675	1981 ER ₂₅	1991 08 08.45660	23 32 27.77	-00 45 18.6		9 675
1978 VE ₁₁	1951 09 09.30833	22 22 53.83	+01 19 00.7		6 675	1981 EC ₂₇	1992 10 25.33490	02 04 27.54	+10 04 30.1	18.5	9 675
1979 FD ₃	1989 05 09.17326	11 43 47.90	+06 41 12.3		9 675	1981 EC ₂₇	1992 10 25.37014	02 04 25.52	+10 04 18.1		9 675
1979 FD ₃	1989 05 09.20382	11 43 48.10	+06 41 08.3	18.5	9 675	1981 ER ₂₇	1993 07 26.43611	23 59 23.07	-05 30 36.0	19.0	9 675
1979 KD	1988 09 10.38542	00 25 02.59	-03 37 29.4	17.0	9 675	1981 ER ₂₇	1993 07 26.47865	23 59 23.64	-05 30 29.4		9 675
1979 KD	1988 09 10.41528	00 25 01.23	-03 37 43.9		9 675	1981 EZ ₂₇	1994 11 28.27708	03 29 53.09	+18 57 18.0		9 675
1979 MB ₄	1989 03 29.31615	12 35 23.07	+00 55 26.0		9 675	1981 EZ ₂₇	1994 11 28.31979	03 29 50.42	+18 57 10.6		9 675
1979 MB ₄	1989 03 29.34497	12 35 21.51	+00 55 42.9		9 675	1981 EQ ₂₈	1992 06 28.44340	21 38 58.59	-11 33 50.8	18.8	9 675
1979 SG ₂	1992 06 28.44340	21 43 53.35	-13 41 38.8		9 675	1981 EQ ₂₈	1992 06 28.47014	21 38 58.18	-11 33 53.9		9 675
1979 SG ₂	1992 06 28.47014	21 43 53.66	-13 41 31.6		9 675	1981 EK ₃₅	1994 11 05.36597	03 38 59.01	+20 28 10.1		9 675
1979 XJ	1992 10 26.47708	03 59 13.97	+09 05 26.9	17.5	9 675	1981 EK ₃₅	1994 11 05.39687	03 38 57.49	+20 28 04.4		9 675
1979 XJ	1992 10 26.51059	03 59 12.31	+09 05 23.0		9 675	1981 EP ₃₈	1951 09 09.28125	22 30 09.24	-00 00 01.5	18.2	6 675
1979 XJ	1992 11 27.28142	03 26 23.02	+09 04 12.7	16.5	9 675	1981 EP ₃₈	1951 09 09.32916	22 30 07.29	-00 00 24.7		6 675
1979 XJ	1992 11 27.31597	03 26 20.89	+09 04 17.0		9 675	1981 EX ₃₈	1994 10 01.37378	02 12 35.62	+24 53 33.9		9 675
1980 FS ₃	1988 11 09.34132	02 55 35.62	+28 45 49.6	17.8	9 675	1981 EX ₃₈	1994 10 01.40191	02 12 34.27	+24 53 29.8		9 675
1980 FS ₃	1988 11 09.38924	02 55 32.76	+28 45 41.1		9 675	1981 FG	1994 11 05.36597	03 59 21.28	+18 37 48.5		9 675
1980 GB	1988 10 09.37135	01 45 51.66	-03 39 00.0	18.2	9 675	1981 FG	1994 11 05.39687	03 59 19.62	+18 37 45.5		9 675
1980 GB	1988 10 09.40260	01 45 49.86	-03 39 09.0		9 675	1981 FG	1994 11 28.27708	03 35 19.84	+17 50 06.3	18.2	9 675
1980 GB	1988 11 04.25017	01 21 19.78	-05 17 54.7	18.5	9 675	1981 FG	1994 11 28.31979	03 35 17.05	+17 50 00.7		9 675
1980 GB	1988 11 04.28073	01 21 18.31	-05 17 55.9		9 675	1981 GO	1993 09 21.30747	23 49 04.05	-02 52 16.4	17.5	9 675
1980 GB	1991 08 06.34201	22 43 17.84	-18 23 09.7		9 675	1981 GO	1993 09 21.34497	23 49 01.92	-02 52 34.7		9 675
1980 GB	1991 08 06.37951	22 43 16.09	-18 23 30.3		9 675	1981 GO ₁	1994 11 05.36597	03 46 25.37	+22 40 23.4		9 675
1980 PB ₂	1992 11 30.32760	02 41 12.31	+06 11 44.8	18.0	9 675	1981 GO ₁	1994 11 05.39687	03 46 23.45	+22 40 20.2		9 675
1980 PB ₂	1992 11 30.36007	02 41 11.21	+06 11 38.8		9 675	1981 JE ₃	1989 01 08.42361	08 50 57.00	+15 28 49.5	18.8	9 675
1980 RB ₈	1951 09 09.28125	22 22 06.77	-00 24 38.5	17.5	6 675	1981 JE ₃	1989 01 08.45990	08 50 55.27	+15 28 55.6		9 675
1980 RB ₈	1951 09 09.30833	22 22 05.37	-00 24 49.0		6 675	1981 SL	1992 10 25.33490	02 05 21.77	+08 29 40.6	17.2	9 675
1980 UL ₁	1994 11 28.27708	04 01 02.87	+19 14 02.4		9 675	1981 SL	1992 10 25.37014	02 05 19.91	+08 29 19.1		9 675
1980 UL ₁	1994 11 28.31979	04 01 00.63	+19 13 49.3		9 675	1981 UT ₇	1992 10 21.41493	03 15 50.73	+15 20 59.1	17.5	9 675
1980 VG	1994 10 01.37378	01 57 35.39	+25 41 05.6	16.5	9 675	1981 UT ₇	1992 10 21.42847	03 15 50.24	+15 20 55.9	17.5	9 675
1980 VG	1994 10 01.40191	01 57 34.14	+25 41 08.4		9 675	1981 UT ₇	1992 10 21.44306	03 15 49.59	+15 20 53.8		9 675
1981 DK	1989 08 30.27656	22 14 35.50	+02 07 59.8	17.0	9 675	1981 UT ₇	1992 10 21.45729	03 15 48.98	+15 20 51.1		9 675
1981 DK	1989 08 30.31233	22 14 33.78	+02 07 53.5		9 675	1981 UT ₇	1992 11 27.21007	02 46 56.26	+13 21 07.4	17.2	9 675
1981 EQ	1954 08 08.36667	22 29 59.33	-22 03 12.6	17.8	6 675	1981 UT ₇	1992 11 27.24115	02 46 54.89	+13 21 04.1		9 675
1981 EQ	1954 08 08.39167	22 29 58.17	-22 03 17.4		6 675	1981 UU ₂₉	1991 08 08.42483	23 35 31.41	+00 07 06.7	18.5	9 675
1981 EF ₂	1994 10 01.37378	01 52 49.74	+22 42 03.6	17.5	9 675	1981 UU ₂₉	1991 08 08.45660	23 35 31.29	+00 07 10.4		9 675
1981 EF ₂	1994 10 01.40191	01 52 48.29	+22 42 01.3		9 675	1981 VF	1992 10 25.42760	03 40 21.65	+21 44 21.6	16.5	9 675
1981 EM ₃	1989 08 30.27656	22 12 20.27	+00 08 28.1		9 675	1981 VF	1992 10 25.46094	03 40 19.80	+21 44 24.7		9 675
1981 EM ₃	1989 08 30.31233	22 12 18.08	+00 08 17.9	18.8	9 675	1981 WH	1992 10 21.42847	03 37 47.35	+10 12 19.5	16.8	9 675

1981 WH	1992 10 21.45729	03 37 46.79	+10 12 12.4		9 675	1983 TU ₁	1993 05 21.21979	13 40 02.93	-07 52 25.2	18.2	9 675
1981 WH	1992 11 28.27604	03 13 18.86	+08 35 21.6	16.5	9 675	1983 TU ₁	1994 09 10.33056	00 23 50.68	-11 16 41.9	15.8	9 675
1981 WH	1992 11 28.30990	03 13 17.50	+08 35 22.9		9 675	1983 TU ₁	1994 09 10.35990	00 23 49.10	-11 16 49.0		9 675
1981 WO	1989 04 01.41354	14 02 07.27	-12 59 14.3	18.0	9 675	1983 WG	1989 03 07.20052	07 53 50.25	+35 18 21.3	17.2	9 675
1981 WO	1989 04 01.45399	14 02 05.34	-12 59 11.7		9 675	1983 WG	1989 03 07.24132	07 53 50.68	+35 18 14.6		9 675
1982 DP ₁	1989 03 07.46701	12 52 44.93	+02 22 46.9		9 675	1983 XC	1993 07 21.38976	22 45 35.08	-19 30 37.3		9 675
1982 DP ₁	1989 03 07.49540	12 52 43.62	+02 22 54.3		9 675	1983 XC	1993 07 21.42465	22 45 34.89	-19 30 52.5	18.2	9 675
1982 DP ₁	1989 03 29.31615	12 31 36.21	+03 49 07.5	17.5	9 675	1983 XC	1993 10 10.13420	21 58 15.70	-25 24 05.6	18.5	9 675
1982 DP ₁	1989 03 29.34497	12 31 34.32	+03 49 12.8		9 675	1983 XC	1993 10 10.17373	21 58 15.94	-25 23 53.5		9 675
1982 DP ₁	1989 05 09.17326	12 04 04.21	+03 48 08.5		9 675	1983 XN ₁	1992 06 28.47014	21 54 23.57	-13 10 56.2	18.8	9 675
1982 DP ₁	1989 05 09.20382	12 04 04.09	+03 48 02.5		9 675	1984 BS	1988 05 10.37569	16 01 38.22	-11 37 46.3		9 675
1982 DW ₃	1953 10 10.47674	04 02 46.74	+14 17 55.3		6 675	1984 BS	1988 05 10.40608	16 01 36.30	-11 37 40.5		9 675
1982 DW ₃	1953 10 10.50000	04 02 46.48	+14 17 51.8	18.2	6 675	1984 CP	1993 07 26.47865	00 11 58.06	-05 14 03.1		9 675
1982 FK ₃	1992 11 28.27604	03 19 24.69	+12 05 06.5	17.2	9 675	1984 HM ₁	1989 11 04.45694	03 31 45.28	+20 55 49.2		9 675
1982 FK ₃	1992 11 28.30990	03 19 22.75	+12 04 56.9		9 675	1984 MR	1988 10 09.37135	01 53 20.95	-01 05 36.2		9 675
1982 SA ₄	1989 11 04.42274	03 39 24.97	+22 11 29.6		9 675	1984 MR	1988 10 09.40260	01 53 19.28	-01 05 52.5		9 675
1982 SA ₄	1989 11 04.45694	03 39 22.55	+22 11 29.5		9 675	1984 SJ ₇	1989 01 08.42361	08 46 40.73	+17 52 38.3	17.8	9 675
1982 SM ₆	1993 07 26.43611	00 13 46.41	-03 57 05.5	17.8	9 675	1984 SJ ₇	1989 01 08.45990	08 46 38.35	+17 52 39.3		9 675
1982 SM ₆	1993 07 26.47865	00 13 47.18	-03 56 57.5		9 675	1985 JM	1989 05 07.33403	14 29 00.49	-11 15 18.6		9 675
1982 SM ₆	1993 09 21.30747	23 46 41.27	-03 52 28.1	16.5	9 675	1985 PO	1993 08 13.22865	20 44 51.13	-16 48 17.3	17.0	9 675
1982 SM ₆	1993 09 21.34497	23 46 38.89	-03 52 31.5		9 675	1985 PO	1993 08 13.25729	20 44 49.60	-16 48 26.8		9 675
1982 SP ₆	1992 08 24.27813	22 17 17.89	-19 23 20.7	17.0	9 675	1985 PX	1953 10 10.47674	04 05 12.25	+12 47 59.8		6 675
1982 SP ₆	1992 08 24.31389	22 17 15.79	-19 23 25.2		9 675	1985 QL ₄	1989 05 09.17326	11 51 05.07	+10 05 22.8		9 675
1982 UR ₆	1993 09 21.30747	00 07 56.26	-04 27 23.1	15.8	9 675	1985 QL ₄	1989 05 09.20382	11 51 04.77	+10 05 18.7		9 675
1982 UR ₆	1993 09 21.34497	00 07 54.27	-04 27 31.0		9 675	1985 RD	1989 04 01.41354	14 05 48.16	-13 42 37.3	18.8	9 675
1982 UY ₆	1989 03 29.31615	12 11 03.91	+04 11 10.9	18.0	9 675	1985 RD	1989 04 01.45399	14 05 46.53	-13 42 31.3		9 675
1982 UY ₆	1989 03 29.34497	12 11 02.43	+04 11 16.5		9 675	1985 RG	1989 11 04.42274	03 27 43.61	+20 05 54.1		9 675
1982 UD ₇	1989 05 07.29948	14 12 33.80	-10 26 20.7	18.0	9 675	1985 TY ₁	1989 08 30.27656	21 59 06.58	+02 05 55.7		9 675
1982 UD ₇	1989 05 07.33403	14 12 31.91	-10 26 06.3		9 675	1985 TY ₁	1989 08 30.31233	21 59 04.75	+02 05 45.8		9 675
1982 UE ₇	1989 01 08.42361	08 37 01.44	+16 57 48.1	18.5	9 675	1985 UC	1993 10 10.13420	22 03 55.71	-23 38 44.2		9 675
1982 UE ₇	1989 01 08.45990	08 36 59.74	+16 57 54.3		9 675	1985 UC	1993 10 10.17373	22 03 55.66	-23 38 09.4	17.5	9 675
1982 UJ ₇	1989 01 08.42361	08 53 07.54	+18 17 30.7	17.5	9 675	1985 US	1988 05 10.37569	15 54 53.89	-14 20 36.5	18.8	9 675
1982 UJ ₇	1989 01 08.45990	08 53 05.90	+18 17 38.6		9 675	1985 US	1988 05 10.40608	15 54 52.29	-14 20 32.3		9 675
1982 VY ₂	1992 10 21.42847	03 28 30.66	+14 23 22.1	18.2	9 675	1985 UG ₂	1988 09 10.24705	22 11 12.17	-11 48 49.4	17.5	9 675
1982 VY ₂	1992 10 21.45729	03 28 29.43	+14 23 16.5		9 675	1985 UG ₂	1988 09 10.28420	22 11 10.24	-11 49 02.2		9 675
1982 VY ₂	1992 11 28.27604	02 58 04.95	+12 29 04.1	18.2	9 675	1985 VE	1992 10 25.33490	02 22 37.95	+07 31 20.6	17.2	9 675
1982 VY ₂	1992 11 28.30990	02 58 03.34	+12 28 58.7		9 675	1985 VE	1992 10 25.37014	02 22 35.93	+07 31 06.2		9 675
1982 XQ ₁	1991 05 18.33056	15 14 17.32	-15 16 31.1		9 675	1985 VF	1988 05 10.37569	15 54 05.30	-13 10 39.5		9 675
1982 XQ ₁	1991 05 18.36024	15 14 15.92	-15 16 25.8		9 675	1985 VF	1988 05 10.40608	15 54 03.56	-13 10 39.0	16.2	9 675
1982 XQ ₁	1992 06 28.44340	21 48 42.70	-12 28 21.0		9 675	1985 VG	1991 05 18.33056	15 15 07.32	-13 24 32.0		9 675
1983 CQ ₂	1994 03 14.41024	12 19 39.51	-02 11 02.3	16.8	9 675	1985 VG	1991 05 18.36024	15 15 05.44	-13 24 26.9		9 675
1983 CQ ₂	1994 03 14.46406	12 19 36.98	-02 10 47.5		9 675	1985 VK	1988 05 10.37569	15 50 27.24	-14 09 22.0	17.8	9 675
1983 CQ ₂	1994 04 03.27242	12 04 46.74	-00 34 19.6	16.8	9 675	1985 VK	1988 05 10.40608	15 50 25.65	-14 09 19.0		9 675
1983 CQ ₂	1994 04 03.31215	12 04 44.92	-00 34 08.3		9 675	1985 VK	1994 09 10.33056	00 32 07.03	-09 09 35.2	17.0	9 675
1983 SF	1994 10 01.37378	02 02 33.13	+29 02 35.1		9 675	1985 VK	1994 09 10.35990	00 32 05.80	-09 09 47.7		9 675
1983 SF	1994 10 01.40191	02 02 31.88	+29 02 34.4		9 675	1986 CS ₁	1992 10 25.33490	02 03 06.62	+08 34 52.4	18.0	9 675
1983 TU ₁	1989 03 29.31615	12 23 57.97	+07 31 16.7	17.5	9 675	1986 CS ₁	1992 10 25.37014	02 03 04.61	+08 34 38.3		9 675
1983 TU ₁	1989 03 29.34497	12 23 56.21	+07 31 23.7		9 675	1986 PW ₄	1953 09 07.25451	21 16 26.99	-14 32 10.2		6 675
1983 TU ₁	1989 05 09.17326	11 55 36.05	+07 49 37.9	18.5	9 675	1986 PW ₄	1953 09 07.27778	21 16 26.25	-14 32 15.3	17.5	6 675
1983 TU ₁	1989 05 09.20382	11 55 35.50	+07 49 32.2		9 675	1986 PW ₄	1989 01 08.42361	08 51 03.24	+16 10 23.4	18.8	9 675
1983 TU ₁	1992 02 05.23038	07 00 41.24	+34 26 24.5	18.0	9 675	1986 PW ₄	1989 01 08.45990	08 51 01.64	+16 10 30.0		9 675
1983 TU ₁	1992 02 05.26806	07 00 39.35	+34 26 22.1		9 675	1986 QQ	1993 07 26.43611	23 51 31.67	-03 38 25.6	18.5	9 675

1986 QQ	1993 07 26.47865	23 51 31.72	-03 38 23.4		9 675	1988 PK	1992 10 25.37014	02 19 59.84	+07 21 45.2		9 675
1986 QM ₁	1993 09 21.23420	23 01 47.20	-11 00 21.3	18.2	9 675	1988 RZ ₂	1992 08 24.27813	22 20 54.79	-16 47 27.9		9 675
1986 QM ₁	1993 09 21.27031	23 01 45.56	-11 00 26.7		9 675	1988 RZ ₂	1992 08 24.31389	22 20 52.70	-16 47 33.6	17.5	9 675
1986 QS ₃	1992 10 22.37257	03 56 09.28	+04 11 11.5	18.2	9 675	1988 RF ₄	1988 09 10.24705	21 59 01.80	-13 03 24.5	18.2	9 675
1986 QS ₃	1992 10 22.40521	03 56 08.21	+04 11 03.2		9 675	1988 RF ₄	1988 09 10.28420	21 59 00.10	-13 03 24.0		9 675
1986 QS ₃	1992 11 27.28142	03 29 12.69	+02 15 45.3	18.2	9 675	1988 RY ₅	1988 09 10.24705	22 09 11.65	-09 47 04.0	17.5	9 675
1986 QS ₃	1992 11 27.31597	03 29 11.06	+02 15 43.2		9 675	1988 RY ₅	1988 09 10.28420	22 09 10.08	-09 47 13.3		9 675
1986 RN ₅	1993 07 26.43611	00 12 36.14	-04 20 06.5	17.8	9 675	1988 RZ ₅	1988 09 10.24705	22 09 17.01	-09 58 14.6	17.2	9 675
1986 RN ₅	1993 07 26.47865	00 12 37.66	-04 19 49.6		9 675	1988 RZ ₅	1988 09 10.28420	22 09 15.35	-09 58 29.2		9 675
1986 TC	1993 07 26.43611	23 47 51.08	-04 33 51.2	18.0	9 675	1988 RA ₆	1988 09 10.24705	22 08 55.69	-10 11 31.9	17.0	9 675
1986 TC	1993 07 26.47865	23 47 51.60	-04 33 41.9		9 675	1988 RA ₆	1988 09 10.28420	22 08 53.58	-10 11 25.0		9 675
1986 TR ₃	1992 10 25.42760	03 59 02.06	+21 12 52.5	18.8	9 675	1988 RE ₆	1992 10 25.42760	03 48 07.98	+17 48 38.0	17.2	9 675
1986 TR ₃	1992 10 25.46094	03 59 00.63	+21 12 47.6		9 675	1988 RE ₆	1992 10 25.46094	03 48 06.85	+17 48 36.1		9 675
1986 TT ₁₁	1994 09 12.33455	23 20 17.86	-13 08 06.4	16.2	9 675	1988 RG ₆	1988 09 10.24705	21 57 16.08	-12 43 23.3	17.8	9 675
1986 TT ₁₁	1994 09 12.36667	23 20 15.57	-13 07 59.5		9 675	1988 RG ₆	1988 09 10.28420	21 57 14.57	-12 43 29.8		9 675
1986 VX ₅	1993 03 23.27813	12 15 32.32	+06 35 38.6	18.2	9 675	1988 RU ₆	1992 06 28.44340	21 37 50.51	-11 26 45.6	18.5	9 675
1986 VX ₅	1993 03 23.31516	12 15 30.49	+06 35 51.2		9 675	1988 RU ₆	1992 06 28.47014	21 37 50.10	-11 26 47.0		9 675
1986 WM ₅	1989 01 08.42361	08 36 21.13	+16 08 03.8		9 675	1988 RC ₇	1994 03 14.41024	12 27 46.69	-01 23 23.7	17.8	9 675
1986 WM ₅	1989 01 08.45990	08 36 19.41	+16 08 05.4		9 675	1988 RC ₇	1994 03 14.46406	12 27 43.90	-01 22 56.2		9 675
1987 DM ₆	1994 03 14.41024	12 31 12.12	-04 49 10.3	18.0	9 675	1988 RC ₇	1994 04 03.27242	12 11 10.51	+01 30 03.0		9 675
1987 DM ₆	1994 03 14.46406	12 31 09.25	-04 48 43.8		9 675	1988 RC ₇	1994 04 03.31215	12 11 08.47	+01 30 21.1		9 675
1987 DM ₆	1994 04 03.27242	12 13 48.91	-02 02 43.0	17.5	9 675	1988 RM ₈	1988 09 10.38542	00 16 10.64	-00 58 23.7	17.8	9 675
1987 DM ₆	1994 04 03.31215	12 13 46.87	-02 02 24.6		9 675	1988 RM ₈	1988 09 10.41528	00 16 09.21	-00 58 24.9		9 675
1987 QW ₂	1993 07 26.43611	23 55 11.41	-02 14 37.3	18.2	9 675	1988 RF ₉	1988 09 10.24705	22 18 35.34	-14 46 22.0	17.8	9 675
1987 QW ₂	1993 07 26.47865	23 55 11.45	-02 14 38.3		9 675	1988 RF ₉	1992 11 28.27604	02 58 20.05	+14 03 16.4	18.8	9 675
1987 SG ₃	1990 04 01.40660	13 01 28.50	-02 00 16.6		9 675	1988 RF ₉	1992 11 28.30990	02 58 18.19	+14 03 11.1		9 675
1987 SH ₄	1990 04 01.38160	13 02 55.16	-05 18 09.5	18.2	9 675	1988 RG ₉	1988 09 10.24705	22 08 33.21	-15 17 17.6	18.0	9 675
1987 SH ₄	1990 04 01.40660	13 02 53.61	-05 18 08.4		9 675	1988 RG ₉	1988 09 10.28420	22 08 31.45	-15 17 30.1		9 675
1987 SS ₉	1989 01 08.42361	08 48 06.31	+18 28 25.4	18.2	9 675	1988 RE ₁₀	1988 09 10.24705	22 28 11.70	-09 30 13.5	17.5	9 675
1987 SQ ₁₀	1992 10 21.42847	03 35 47.48	+11 19 21.3		9 675	1988 RE ₁₀	1988 09 10.28420	22 28 10.22	-09 30 26.8		9 675
1987 SQ ₁₀	1992 10 21.45729	03 35 46.29	+11 19 16.1		9 675	1988 RE ₁₀	1992 06 28.47014	21 51 48.77	-09 45 17.8		9 675
1987 SQ ₁₀	1992 11 28.27604	03 04 17.98	+09 25 31.8	18.5	9 675	1988 RO ₁₁	1993 08 13.22865	20 44 52.50	-20 01 41.4	18.0	9 675
1987 SQ ₁₀	1992 11 28.30990	03 04 16.36	+09 25 29.4		9 675	1988 RO ₁₁	1993 08 13.25729	20 44 51.04	-20 01 45.5		9 675
1987 WT ₁	1989 03 07.46701	12 41 49.68	+02 47 21.3	18.2	9 675	1988 RV ₁₁	1994 03 14.41024	12 21 38.49	-00 53 33.1	18.2	9 675
1987 WT ₁	1989 03 07.49540	12 41 48.66	+02 47 28.1		9 675	1988 RV ₁₁	1994 03 14.46406	12 21 35.59	-00 53 09.2		9 675
1987 WT ₁	1989 03 29.31615	12 26 44.76	+04 35 25.7	17.0	9 675	1988 RV ₁₁	1994 04 03.27242	12 03 28.70	+01 43 49.8	18.2	9 675
1987 WT ₁	1989 03 29.34497	12 26 43.51	+04 35 33.2		9 675	1988 RV ₁₁	1994 04 03.31215	12 03 26.54	+01 44 07.1		9 675
1987 WT ₁	1992 10 25.33490	02 05 07.46	+06 24 11.5	18.5	9 675	1988 RB ₁₂	1992 08 24.27813	22 07 40.40	-15 56 59.7	16.8	9 675
1987 WT ₁	1992 10 25.37014	02 05 05.78	+06 24 02.9		9 675	1988 RB ₁₂	1992 08 24.31389	22 07 38.40	-15 57 00.4		9 675
1987 WU ₂	1989 01 08.42361	09 02 12.15	+17 21 36.0	18.5	9 675	1988 SD	1992 10 21.44306	03 13 00.26	+22 23 44.7	17.2	9 675
1987 WU ₂	1989 01 08.45990	09 02 10.19	+17 21 38.8		9 675	1988 SH ₂	1993 07 21.38976	22 28 19.17	-19 05 23.6	17.2	9 675
1987 YA	1994 11 28.27708	03 53 25.59	+18 13 34.7	16.0	9 675	1988 ST ₂	1988 09 10.38542	00 15 21.75	-02 02 05.2	18.0	9 675
1987 YA	1994 11 28.31979	03 53 23.43	+18 13 23.1		9 675	1988 ST ₂	1988 09 10.41528	00 15 20.51	-02 02 14.2		9 675
1988 BY ₂	1992 02 05.23038	06 56 44.87	+31 53 18.6	18.0	9 675	1988 SU ₂	1988 09 10.38542	00 16 36.22	-02 07 15.0	18.0	9 675
1988 BY ₂	1992 02 05.26806	06 56 43.18	+31 53 08.2		9 675	1988 SU ₂	1988 09 10.41528	00 16 34.84	-02 07 25.5		9 675
1988 CA	1953 09 07.25451	21 28 20.51	-12 03 47.4		6 675	1988 SZ ₂	1988 09 10.38542	00 16 10.33	-01 44 56.2	19.5	9 675
1988 CA	1953 09 07.27778	21 28 19.69	-12 03 54.8	18.5	6 675	1988 SZ ₂	1988 09 10.41528	00 16 09.32	-01 45 05.1		9 675
1988 EB ₁	1993 07 26.43611	23 42 23.19	-06 30 21.1	19.2	9 675	1988 TN	1994 03 14.46406	12 22 32.71	-00 29 16.1		9 675
1988 EB ₁	1993 07 26.47865	23 42 22.76	-06 30 26.6		9 675	1988 TN	1994 04 03.27242	12 03 36.73	+00 48 54.7	17.2	9 675
1988 PK	1988 09 10.24705	21 57 44.33	-11 32 50.5	16.8	9 675	1988 TN	1994 04 03.31215	12 03 34.40	+00 49 04.3		9 675
1988 PK	1988 09 10.28420	21 57 43.21	-11 33 06.0		9 675	1988 TT	1993 09 21.30747	23 50 52.24	-03 19 10.5	16.8	9 675
1988 PK	1992 10 25.33490	02 20 01.82	+07 21 59.1	17.5	9 675	1988 TT	1993 09 21.34497	23 50 50.19	-03 19 14.4		9 675

1988 TC ₁	1990 04 01.40660	12 49 16.14	-05 18 35.3	17.8	9 675	1989 CO ₆	1989 03 07.46701	12 45 52.51	+00 49 13.9	17.2	9 675
1988 TO ₁	1993 09 21.23420	22 53 35.22	-10 59 21.4	18.2	9 675	1989 CO ₆	1989 03 07.49540	12 45 51.33	+00 49 20.2		9 675
1988 TO ₁	1993 09 21.27031	22 53 33.57	-10 59 30.4		9 675	1989 CO ₆	1989 03 29.31615	12 27 20.55	+02 22 02.3	16.5	9 675
1988 TQ ₄	1991 05 18.33056	15 11 23.70	-15 46 38.2		9 675	1989 CO ₆	1989 03 29.34497	12 27 18.80	+02 22 08.8		9 675
1988 TQ ₄	1991 05 18.36024	15 11 22.12	-15 46 32.8		9 675	1989 EX	1993 03 23.27813	12 28 16.24	+13 39 02.2	16.5	9 675
1988 VP	1992 10 21.42847	03 33 21.41	+14 33 03.8		9 675	1989 EX	1993 03 23.31516	12 28 14.41	+13 39 26.3		9 675
1988 VP	1992 10 21.45729	03 33 19.90	+14 33 09.5	17.0	9 675	1989 EH ₆	1992 11 28.27604	03 12 49.13	+15 07 11.9	19.0	9 675
1988 VP	1992 11 27.21007	02 53 52.92	+16 16 51.5	17.0	9 675	1989 EK ₇	1989 03 07.46701	12 41 18.50	+02 01 25.7		9 675
1988 VP	1992 11 27.24115	02 53 50.97	+16 16 57.0		9 675	1989 EK ₇	1989 03 07.49540	12 41 17.33	+02 01 33.6	18.8	9 675
1988 VQ ₁	1991 08 06.34201	22 25 11.61	-20 59 46.2		9 675	1989 EK ₇	1989 03 29.31615	12 21 08.15	+03 43 42.1		9 675
1988 VQ ₁	1991 08 06.37951	22 25 09.55	-21 00 02.7	18.5	9 675	1989 EK ₇	1989 03 29.34497	12 21 06.36	+03 43 48.5	18.2	9 675
1988 VJ ₂	1992 10 21.41493	03 25 05.13	+17 15 24.5	16.8	9 675	1989 FQ	1989 03 07.46701	12 49 19.19	-01 25 00.5		9 675
1988 VJ ₂	1992 10 21.44306	03 25 04.74	+17 15 11.9		9 675	1989 FQ	1989 03 29.31615	12 30 26.33	+00 04 33.6	17.2	9 675
1988 VJ ₂	1992 11 28.27604	03 07 16.10	+11 55 47.3	17.0	9 675	1989 FQ	1989 03 29.34497	12 30 24.55	+00 04 40.8		9 675
1988 VJ ₂	1992 11 28.30990	03 07 15.21	+11 55 35.3		9 675	1989 GE	1993 08 14.40139	23 34 03.94	-18 18 22.8	17.0	9 675
1988 VK ₂	1992 10 21.42847	03 25 05.66	+11 04 55.7	17.0	9 675	1989 GE	1993 08 14.42899	23 34 02.64	-18 18 32.7		9 675
1988 VK ₂	1992 10 21.45729	03 25 04.33	+11 04 55.2		9 675	1989 GL	1989 03 29.31615	12 26 42.94	+07 19 57.5	16.8	9 675
1988 VK ₂	1992 11 27.21007	02 50 31.73	+11 06 27.1		9 675	1989 GL	1989 03 29.34497	12 26 40.06	+07 19 36.6		9 675
1988 VK ₂	1992 11 27.24115	02 50 30.18	+11 06 30.9		9 675	1989 GB ₁	1992 10 25.42760	03 40 31.48	+18 41 34.0	17.8	9 675
1988 VK ₂	1992 11 30.32760	02 48 07.81	+11 11 54.5		9 675	1989 GB ₁	1992 10 25.46094	03 40 30.18	+18 41 25.3		9 675
1988 VK ₂	1992 11 30.36007	02 48 06.34	+11 11 59.6	17.2	9 675	1989 GC ₄	1994 03 14.41024	12 27 02.18	-04 43 21.9	18.2	9 675
1988 VS ₂	1992 11 30.32760	02 30 08.54	+06 54 24.2	16.8	9 675	1989 GC ₄	1994 03 14.46406	12 26 59.80	-04 43 07.0		9 675
1988 VS ₂	1992 11 30.36007	02 30 07.73	+06 54 11.9		9 675	1989 GC ₄	1994 04 03.27242	12 11 44.94	-03 05 40.6	17.8	9 675
1988 XB ₅	1993 03 23.27813	12 15 26.66	+07 23 59.3	16.5	9 675	1989 GH ₈	1989 03 07.46701	13 02 40.59	+00 16 25.2		9 675
1988 XB ₅	1993 03 23.31516	12 15 24.30	+07 24 09.6		9 675	1989 GH ₈	1989 03 07.49540	13 02 39.41	+00 16 34.8		9 675
1989 AG	1991 08 06.34201	22 41 04.87	-24 15 15.2		9 675	1989 LT	1994 11 28.27708	03 49 55.63	+22 27 00.3		9 675
1989 AG	1991 08 06.37951	22 41 03.27	-24 15 33.4	18.0	9 675	1989 LT	1994 11 28.31979	03 49 52.97	+22 26 52.7	17.8	9 675
1989 AB ₃	1989 01 08.42361	08 50 08.98	+20 17 04.6	17.8	9 675	1989 OM	1993 03 23.27813	12 16 22.14	+09 50 29.9	18.8	9 675
1989 AB ₃	1989 01 08.45990	08 50 07.32	+20 17 19.6		9 675	1989 OM	1993 03 23.31516	12 16 20.07	+09 50 36.8		9 675
1989 AF ₃	1989 01 08.42361	08 54 35.70	+19 27 57.2	17.2	9 675	1989 RJ	1988 05 10.40608	15 55 18.21	-17 25 09.7		9 675
1989 AF ₃	1989 01 08.45990	08 54 34.31	+19 28 16.9		9 675	1989 RW	1989 08 30.27656	21 58 56.55	+01 57 08.6		9 675
1989 AH ₃	1989 01 08.42361	08 56 08.50	+18 54 47.9	18.8	9 675	1989 RW	1989 08 30.31233	21 58 54.96	+01 56 55.1		9 675
1989 AH ₃	1989 01 08.45990	08 56 07.05	+18 55 05.2		9 675	1989 RX	1989 08 30.27656	22 04 08.42	+01 56 45.0		9 675
1989 AL ₃	1989 01 08.42361	08 58 48.68	+16 08 15.6	17.5	9 675	1989 RX	1989 08 30.31233	22 04 06.66	+01 56 34.0		9 675
1989 AL ₃	1989 01 08.45990	08 58 46.97	+16 08 29.2		9 675	1989 RY	1989 08 30.27656	22 06 13.81	+01 19 03.7		9 675
1989 AM ₃	1989 01 08.42361	08 58 32.12	+16 09 45.5	17.2	9 675	1989 RY	1989 08 30.31233	22 06 12.16	+01 18 53.4	17.5	9 675
1989 AM ₃	1989 01 08.45990	08 58 30.18	+16 09 40.1		9 675	1989 SE	1993 08 14.40139	23 33 58.44	-12 30 35.7		9 675
1989 AN ₃	1989 01 08.42361	08 59 44.75	+17 41 43.3	17.5	9 675	1989 SE	1993 08 14.42899	23 33 57.73	-12 30 31.3		9 675
1989 AN ₃	1989 01 08.45990	08 59 42.94	+17 41 59.8		9 675	1989 SE	1993 09 21.23420	23 04 44.47	-11 10 35.5	16.8	9 675
1989 AZ ₅	1989 01 08.42361	09 07 05.13	+18 19 17.5	18.8	9 675	1989 SE	1993 09 21.27031	23 04 42.55	-11 10 25.5		9 675
1989 AJ ₆	1989 01 08.42361	09 04 33.70	+19 08 23.0		9 675	1989 SJ ₂	1993 09 21.30747	23 59 34.14	-02 52 42.5	17.5	9 675
1989 AJ ₆	1989 01 08.45990	09 04 31.81	+19 08 28.5		9 675	1989 SJ ₂	1993 09 21.34497	23 59 32.42	-02 53 09.1		9 675
1989 AL ₆	1989 01 08.42361	09 06 28.95	+17 08 50.2	18.8	9 675	1989 TT	1993 09 21.30747	23 47 16.55	-03 48 12.7	16.0	9 675
1989 AL ₆	1989 01 08.45990	09 06 27.03	+17 09 02.5		9 675	1989 TT	1993 09 21.34497	23 47 15.24	-03 48 56.0		9 675
1989 BA	1989 03 07.20052	08 11 18.58	+36 22 00.4	16.2	9 675	1989 TB ₁	1994 03 14.41024	12 39 58.76	-03 30 20.1	17.8	9 675
1989 BA	1989 03 07.24132	08 11 18.32	+36 20 50.4		9 675	1989 TB ₁	1994 03 14.46406	12 39 55.51	-03 30 04.8		9 675
1989 BK	1955 10 23.35278	03 00 36.09	+00 16 47.8		6 675	1989 TF ₁₄	1993 09 21.23420	22 54 30.29	-12 52 05.2	17.8	9 675
1989 BK	1955 10 23.37778	03 00 34.99	+00 16 46.5	15.8	6 675	1989 TF ₁₄	1993 09 21.27031	22 54 28.49	-12 52 12.9		9 675
1989 BA ₁	1988 11 09.42743	04 19 51.78	+30 37 19.3		9 675	1989 UG ₃	1993 09 21.30747	00 12 25.22	-08 09 48.3	16.8	9 675
1989 BC ₁	1989 01 08.45990	08 50 13.34	+18 49 09.8		9 675	1989 UG ₃	1993 09 21.34497	00 12 23.25	-08 10 01.2	17.0	9 675
1989 BC ₁	1989 03 07.20052	08 05 19.06	+32 08 00.0	18.0	9 675	1989 UW ₃	1989 11 04.45694	03 28 06.14	+21 14 20.6		9 675
1989 BC ₁	1989 03 07.24132	08 05 18.74	+32 08 16.2		9 675	1989 VA	1989 11 04.42274	03 48 14.55	+23 24 03.2		9 675

1989 VA	1989 11 04.45694	03 47 53.22	+23 19 39.8		9 675	1990 QX ₁₇	1994 11 28.27708	03 35 25.75	+19 38 47.6	16.8	9 675
1989 WF ₁	1949 11 19.25833	03 23 32.43	+15 33 11.3	16.5	6 675	1990 QX ₁₇	1994 11 28.31979	03 35 23.16	+19 38 36.9		9 675
1989 WF ₁	1949 11 19.28646	03 23 30.41	+15 33 20.2		6 675	1990 RT ₂	1993 04 15.28872	13 24 34.38	-18 15 35.1	18.4	3 675
1989 YK	1994 03 14.41024	12 30 34.00	-05 42 43.0	18.0	9 675	1990 RT ₂	1993 04 15.32153	13 24 32.40	-18 15 28.8		3 675
1989 YK	1994 03 14.46406	12 30 31.02	-05 42 21.0		9 675	1990 RK ₇	1993 05 21.25347	13 42 56.59	-07 41 35.0		9 675
1989 YK	1994 04 03.27242	12 11 53.92	-03 24 49.8		9 675	1990 SB ₁	1992 02 05.23038	07 03 57.61	+38 05 22.3	17.5	9 675
1989 YK	1994 04 03.31215	12 11 51.66	-03 24 32.1	17.8	9 675	1990 SB ₁	1992 02 05.26806	07 03 55.55	+38 05 09.2		9 675
1989 YO ₅	1993 07 26.43611	00 04 42.88	-02 50 38.8	18.5	9 675	1990 SH ₁	1993 05 21.21979	13 46 15.47	-08 46 04.5	19.2	9 675
1989 YO ₅	1993 07 26.47865	00 04 42.74	-02 50 42.7		9 675	1990 SA ₂	1989 05 07.29948	14 12 25.54	-14 58 26.7	18.5	9 675
1989 YO ₅	1994 11 05.36597	03 41 42.45	+17 13 35.5		9 675	1990 SA ₂	1989 05 07.33403	14 12 23.43	-14 58 14.4		9 675
1989 YX ₆	1992 08 24.27813	22 03 14.15	-17 23 03.5	18.0	9 675	1990 SL ₂	1989 03 07.46701	12 55 06.48	+04 11 56.3		9 675
1989 YX ₆	1992 08 24.31389	22 03 12.16	-17 23 19.8		9 675	1990 SL ₂	1989 03 07.49540	12 55 05.28	+04 12 07.7		9 675
1990 BN	1988 10 09.37135	01 30 31.66	-02 10 45.8		9 675	1990 SL ₂	1989 03 29.31615	12 35 54.00	+06 23 14.6	17.5	9 675
1990 BN	1988 10 09.40260	01 30 30.17	-02 10 58.0	17.2	9 675	1990 SL ₂	1989 03 29.34497	12 35 52.28	+06 23 24.2		9 675
1990 BN	1988 11 04.25017	01 11 26.06	-04 37 50.6	17.8	9 675	1990 SL ₂	1989 05 09.17326	12 04 49.09	+07 52 04.1		9 675
1990 BN	1988 11 04.28073	01 11 24.87	-04 37 57.6		9 675	1990 SL ₂	1989 05 09.20382	12 04 48.36	+07 52 01.8		9 675
1990 BN	1993 11 16.38785	03 38 29.15	+03 47 57.8	17.2	9 675	1990 SD ₅	1989 03 07.46701	12 42 37.43	-00 56 09.9	18.5	9 675
1990 BN	1993 11 16.41632	03 38 27.57	+03 47 51.2		9 675	1990 SD ₅	1989 03 07.49540	12 42 36.27	-00 56 03.0		9 675
1990 EA ₅	1991 08 08.42483	23 17 05.46	-02 48 38.9	17.8	9 675	1990 SD ₅	1989 03 29.31615	12 23 50.09	+00 37 48.5		9 675
1990 EA ₅	1991 08 08.45660	23 17 04.56	-02 48 40.9		9 675	1990 SD ₅	1989 03 29.34497	12 23 48.41	+00 37 55.6	18.0	9 675
1990 FH ₁	1990 04 01.38160	13 04 43.80	-03 34 33.3	16.8	9 675	1990 SL ₂₈	1989 05 07.29948	14 22 13.26	-16 16 30.5	18.0	9 675
1990 FH ₁	1990 04 01.40660	13 04 42.65	-03 34 26.0		9 675	1990 SL ₂₈	1989 05 07.33403	14 22 11.22	-16 16 20.7		9 675
1990 FR ₁	1993 11 16.38785	03 47 40.29	-00 10 14.4	17.8	9 675	1990 TX	1989 05 07.29948	14 20 30.39	-09 42 35.5	18.8	9 675
1990 FR ₁	1993 11 16.41632	03 47 38.71	-00 10 14.5		9 675	1990 TM ₁	1993 04 14.17240	11 40 33.37	+11 48 52.0	17.2	9 675
1990 HP	1988 10 09.37135	01 31 28.19	-01 46 54.6		9 675	1990 TM ₁	1993 04 14.20729	11 40 32.19	+11 48 54.9		9 675
1990 HP	1988 10 09.40260	01 31 25.03	-01 46 43.5		9 675	1990 TO ₃	1993 05 21.21979	13 39 28.09	-10 16 51.9	18.8	9 675
1990 HO ₃	1989 04 01.41354	14 35 27.99	-12 55 57.7	19.8	9 675	1990 TO ₃	1993 05 21.25347	13 39 27.14	-10 16 47.4		9 675
1990 HO ₃	1989 05 07.29948	14 09 46.67	-10 59 35.9	19.5	9 675	1990 TM ₇	1989 05 07.29948	14 06 15.93	-14 42 18.7	17.2	9 675
1990 HO ₃	1989 05 07.33403	14 09 45.11	-10 59 27.9		9 675	1990 TM ₇	1989 05 07.33403	14 06 13.74	-14 42 12.8		9 675
1990 KY ₃	* 1990 05 22.23576	15 03 39.08	-19 18 47.9	16.5	2 675	1990 TG ₁₃	1994 11 28.27708	03 54 56.55	+19 31 36.4		9 675
1990 KY ₃	1990 05 22.25938	15 03 37.67	-19 18 43.4		2 675	1990 TG ₁₃	1994 11 28.31979	03 54 53.33	+19 31 53.2	17.0	9 675
1990 KY ₃	1990 05 23.30347	15 02 36.03	-19 15 24.2		2 675	1990 UF ₁	1993 07 21.38976	22 40 28.07	-17 24 00.8	17.0	9 675
1990 KY ₃	1990 05 23.33455	15 02 33.86	-19 15 16.4		2 675	1990 UF ₁	1993 07 21.42465	22 40 27.78	-17 24 10.0		9 675
1990 OW ₂	1955 10 23.35278	02 48 05.29	+03 42 00.6		6 675	1990 UF ₁	1993 08 17.34687	22 26 11.10	-20 00 48.6	16.2	9 675
1990 OW ₂	1955 10 23.37778	02 48 03.84	+03 41 59.4	17.0	6 675	1990 UF ₁	1993 08 17.37413	22 26 09.58	-20 00 58.4		9 675
1990 OY ₃	1994 10 01.37378	02 03 17.88	+22 06 31.4	17.5	9 675	1990 UL ₁	1993 08 13.22865	20 56 51.85	-21 36 10.0	17.5	9 675
1990 OY ₃	1994 10 01.40191	02 03 16.42	+22 06 30.3		9 675	1990 UL ₁	1993 08 13.25729	20 56 50.06	-21 36 20.0		9 675
1990 QY	1989 04 01.41354	14 07 02.99	-11 03 12.5	17.5	9 675	1990 UL ₂	1993 07 26.43611	00 00 45.09	-09 10 18.8	18.2	9 675
1990 QY	1989 04 01.45399	14 07 01.59	-11 02 55.6		9 675	1990 UL ₂	1993 07 26.47865	00 00 45.77	-09 10 24.5		9 675
1990 QY	1994 03 14.41024	12 21 44.32	-05 47 14.9	17.5	9 675	1990 UG ₃	1994 09 10.33056	00 19 38.03	-10 11 08.0	16.5	9 675
1990 QY	1994 03 14.46406	12 21 42.15	-05 46 54.5		9 675	1990 UG ₃	1994 09 10.35990	00 19 36.68	-10 11 16.9		9 675
1990 QY	1994 04 03.27242	12 07 21.59	-03 24 53.4	17.2	9 675	1990 UO ₃	1993 07 26.47865	23 55 03.29	-06 40 20.1		9 675
1990 QY	1994 04 03.31215	12 07 19.83	-03 24 35.8		9 675	1990 UO ₃	1993 09 21.23420	23 19 36.66	-12 18 56.0		9 675
1990 QB ₂	1994 11 05.36597	03 33 02.46	+15 56 53.3		9 675	1990 UO ₃	1993 09 21.27031	23 19 34.48	-12 19 10.3		9 675
1990 QB ₂	1994 11 05.39687	03 33 00.42	+15 56 44.9		9 675	1990 UY ₃	1993 03 23.27813	12 28 54.16	+10 12 13.9	19.0	9 675
1990 QD ₂	1993 05 21.21979	13 44 20.33	-07 45 23.8	18.0	9 675	1990 VX ₃	1993 07 26.43611	23 57 09.85	-04 20 10.1	19.0	9 675
1990 QD ₂	1993 05 21.25347	13 44 18.94	-07 45 16.6		9 675	1990 VX ₃	1993 07 26.47865	23 57 09.58	-04 20 13.9		9 675
1990 QD ₂	1994 11 28.27708	03 39 26.67	+16 55 30.9	17.5	9 675	1990 VZ ₄	1989 08 02.37951	22 14 30.00	+00 17 46.6	17.8	9 675
1990 QD ₂	1994 11 28.31979	03 39 23.86	+16 55 23.6		9 675	1990 VZ ₄	1989 08 02.40955	22 14 28.89	+00 17 39.1		9 675
1990 QW ₃	1993 08 13.22865	20 32 37.32	-19 07 09.1	17.8	9 675	1990 VZ ₄	1989 08 30.27656	21 55 22.10	-02 41 17.1	17.2	9 675
1990 QW ₃	1993 08 13.25729	20 32 35.83	-19 07 10.2		9 675	1990 VZ ₄	1989 08 30.31233	21 55 20.56	-02 41 33.4		9 675
1990 QX ₁₇	1994 11 05.36597	03 58 39.73	+21 13 21.6		9 675	1990 VK ₅	1993 08 13.22865	21 06 31.42	-17 27 42.8	17.2	9 675

1990 VK ₅	1993 08 13.25729	21 06 29.95	-17 27 57.3		9 675	1991 PO ₂	1989 03 29.34497	12 16 33.89	+01 30 03.1	18.8	9 675
1990 WB ₂	1993 07 26.43611	00 10 08.64	-07 15 30.7	18.8	9 675	1991 PJ ₃	1990 04 01.38160	12 42 38.81	-08 07 29.7	17.8	9 675
1990 WS ₂	1993 08 13.22865	20 47 21.00	-16 38 27.5	18.2	9 675	1991 PJ ₃	1990 04 01.40660	12 42 37.17	-08 07 23.4		9 675
1990 WS ₂	1993 08 13.25729	20 47 19.22	-16 38 34.5		9 675	1991 PE ₅	1992 10 21.41493	03 20 04.56	+19 02 41.1	17.8	9 675
1990 WP ₄	1988 05 10.37569	16 21 07.82	-13 07 51.1		9 675	1991 PE ₅	1992 10 21.44306	03 20 03.43	+19 02 36.1		9 675
1990 WP ₄	1988 05 10.40608	16 21 06.27	-13 07 52.4	16.5	9 675	1991 PE ₅	1992 11 27.21007	02 49 46.86	+16 45 15.7	18.0	9 675
1991 AD	1989 08 02.37951	21 55 50.32	-00 50 47.9	16.5	9 675	1991 PE ₅	1992 11 27.24115	02 49 45.44	+16 45 08.6		9 675
1991 AD	1989 08 02.40955	21 55 48.92	-00 50 48.2		9 675	1991 PA ₇	1994 03 14.41024	12 36 15.86	-05 04 45.3	18.8	9 675
1991 BD ₁	1993 07 26.43611	00 13 26.08	-05 32 21.3	19.2	9 675	1991 PT ₇	1994 04 03.27242	11 50 37.92	+01 30 40.4	18.5	9 675
1991 BD ₁	1993 07 26.47865	00 13 26.26	-05 32 29.4		9 675	1991 PT ₇	1994 04 03.31215	11 50 35.63	+01 30 54.6		9 675
1991 BA ₃	1993 08 13.25729	20 52 43.78	-15 47 59.8		9 675	1991 PK ₈	1992 10 22.37257	03 46 15.35	+01 09 09.6	18.2	9 675
1991 CU	1993 09 21.23420	23 15 27.49	-14 05 52.3	16.5	9 675	1991 PK ₈	1992 10 22.40521	03 46 14.22	+01 08 59.6		9 675
1991 CU	1993 09 21.27031	23 15 25.83	-14 06 09.9		9 675	1991 PT ₈	1992 10 22.40521	03 52 39.78	+02 49 28.2		9 675
1991 CR ₁	1994 09 10.33056	00 20 40.77	-09 18 31.5	17.2	9 675	1991 PW ₉	1992 10 26.43003	03 11 51.61	+03 50 30.9	18.8	9 675
1991 CR ₁	1994 09 10.35990	00 20 39.58	-09 18 43.6		9 675	1991 PV ₁₁	1991 09 14.31493	23 12 11.30	-13 13 26.3	17.8	9 675
1991 DU	1989 11 04.42274	03 40 38.04	+20 51 06.6		9 675	1991 PV ₁₁	1991 09 14.36765	23 12 08.59	-13 13 58.1		9 675
1991 DU	1989 11 04.45694	03 40 36.28	+20 51 02.6		9 675	1991 PQ ₁₂	1992 10 21.41493	03 12 07.67	+16 40 22.5		9 675
1991 EM ₁	1950 05 10.24444	13 03 12.05	+03 12 38.8	18.5	6 675	1991 PQ ₁₂	1992 10 21.44306	03 12 06.49	+16 40 17.4		9 675
1991 EM ₁	1950 05 10.27257	13 03 11.32	+03 12 44.9		6 675	1991 PQ ₁₂	1992 11 27.21007	02 44 25.07	+14 37 20.9	18.2	9 675
1991 EM ₁	1988 10 09.37135	01 47 37.87	-00 02 38.5	16.8	9 675	1991 PQ ₁₂	1992 11 27.24115	02 44 23.83	+14 37 15.0		9 675
1991 EM ₁	1988 10 09.40260	01 47 36.54	-00 02 53.7		9 675	1991 PX ₁₄	1951 09 09.28125	22 33 21.45	+02 26 45.9	17.5	6 675
1991 FJ ₂	1949 11 19.25833	03 31 57.18	+15 10 09.7	18.0	6 675	1991 PX ₁₄	1951 09 09.30833	22 33 20.08	+02 26 37.8		6 675
1991 FJ ₂	1949 11 19.28646	03 31 55.29	+15 10 01.8		6 675	1991 PZ ₁₇	1991 09 14.31493	23 10 05.63	-15 36 58.5	17.2	9 675
1991 FJ ₂	1988 05 10.37569	16 03 05.22	-16 20 41.8	17.5	9 675	1991 PZ ₁₇	1991 09 14.36765	23 10 02.69	-15 37 22.1		9 675
1991 FJ ₂	1988 05 10.40608	16 03 03.37	-16 20 34.0		9 675	1991 PZ ₁₇	1993 04 14.17240	11 28 32.29	+13 03 12.0		9 675
1991 GR ₁	1988 09 10.24705	22 25 41.79	-13 31 35.0	18.0	9 675	1991 PZ ₁₇	1993 04 14.20729	11 28 31.33	+13 03 14.7	18.0	9 675
1991 GR ₁	1988 09 10.28420	22 25 39.88	-13 31 51.5		9 675	1991 RE	1991 08 08.42483	23 28 11.45	+00 06 46.4	18.5	9 675
1991 GE ₂	1992 10 22.37257	03 41 57.88	+00 26 25.4	17.8	9 675	1991 RE	1991 08 08.45660	23 28 11.00	+00 06 49.7		9 675
1991 GE ₂	1992 10 22.40521	03 41 56.23	+00 26 17.3		9 675	1991 RJ	1991 08 08.42483	23 44 37.46	-01 23 31.4		9 675
1991 GT ₂	1992 10 25.33490	02 24 37.64	+09 06 01.8		9 675	1991 RJ	1991 08 08.45660	23 44 36.48	-01 23 22.6		9 675
1991 GT ₂	1992 10 25.37014	02 24 35.56	+09 05 42.6	17.8	9 675	1991 RF ₁	1991 08 08.42483	23 41 59.63	-02 44 19.8	18.2	9 675
1991 GH ₃	1989 11 04.42274	03 40 27.87	+20 17 14.2		9 675	1991 RF ₁	1991 08 08.45660	23 41 59.16	-02 44 29.4		9 675
1991 GH ₃	1989 11 04.45694	03 40 26.03	+20 17 09.3		9 675	1991 RG ₁	1991 08 08.42483	23 41 18.80	-05 03 58.4	18.5	9 675
1991 GP ₆	1988 09 10.28420	22 15 22.51	-08 47 25.9		9 675	1991 RG ₁	1991 08 08.45660	23 41 18.49	-05 04 00.0		9 675
1991 GH ₁₀	1989 11 04.45694	03 31 39.48	+18 29 25.9		9 675	1991 RH ₁	1991 08 08.42483	23 44 50.21	-06 13 59.8		9 675
1991 GK ₁₀	1993 09 21.30747	00 13 18.58	-03 45 15.6	17.8	9 675	1991 RH ₁	1991 08 08.45660	23 44 49.80	-06 13 56.4		9 675
1991 GK ₁₀	1993 09 21.34497	00 13 16.80	-03 45 29.3		9 675	1991 RH ₂	1991 08 08.42483	23 47 40.13	-05 18 59.3		9 675
1991 JJ	1988 11 04.25017	01 06 20.24	-07 34 35.4	17.5	9 675	1991 RH ₂	1991 08 08.45660	23 47 39.39	-05 19 00.3		9 675
1991 JJ	1988 11 04.28073	01 06 18.81	-07 34 31.3		9 675	1991 RN ₄	1991 08 08.42483	23 20 41.92	-02 49 37.1	17.5	9 675
1991 JJ	1991 05 18.33056	15 18 51.70	-14 03 58.6		9 675	1991 RN ₄	1991 08 08.45660	23 20 41.61	-02 49 46.9		9 675
1991 JJ	1991 05 18.36024	15 18 49.69	-14 04 05.4		9 675	1991 RK ₁₁	1955 10 23.35278	02 55 00.51	-00 52 09.8		6 675
1991 LY	1990 01 29.47708	10 19 44.48	+21 00 30.9		9 675	1991 RK ₁₁	1955 10 23.37778	02 54 59.36	-00 52 17.6	18.8	6 675
1991 LY	1990 01 29.52431	10 19 42.46	+21 00 56.9	18.5	9 675	1991 RP ₁₅	1989 05 07.29948	14 14 37.30	-13 10 32.3	19.5	9 675
1991 LH ₁	1992 10 21.45729	03 36 17.87	+15 47 05.1		9 675	1991 RP ₁₅	1989 05 07.33403	14 14 35.61	-13 10 23.7		9 675
1991 LH ₁	1992 11 28.27604	02 59 24.10	+13 44 12.8	18.5	9 675	1991 RV ₁₆	1954 08 08.36667	22 30 25.03	-21 30 20.4	17.8	6 675
1991 NS ₁	1994 04 03.27242	11 50 15.59	+03 03 29.1		9 675	1991 RV ₁₆	1954 08 08.39167	22 30 23.55	-21 30 28.0		6 675
1991 NS ₁	1994 04 03.31215	11 50 13.67	+03 03 50.3		9 675	1991 RT ₁₇	1991 08 08.42483	23 38 20.44	+00 05 40.2	17.2	9 675
1991 NA ₂	1992 10 26.43003	03 42 22.42	+06 29 48.6	18.8	9 675	1991 RT ₁₇	1991 08 08.45660	23 38 19.83	+00 05 38.8		9 675
1991 NA ₂	1992 11 27.31597	03 14 52.73	+04 57 47.7		9 675	1991 RV ₁₇	1991 08 08.42483	23 40 56.08	-01 26 30.1		9 675
1991 NP ₂	1988 11 09.34132	02 58 50.95	+29 18 17.6	17.5	9 675	1991 RV ₁₇	1991 08 08.45660	23 40 55.88	-01 26 26.9	17.5	9 675
1991 NP ₂	1988 11 09.38924	02 58 47.51	+29 18 03.3		9 675	1991 RX ₂₁	1991 08 08.42483	23 42 14.72	-03 13 19.8	18.5	9 675
1991 PO ₂	1989 03 29.31615	12 16 35.25	+01 29 55.0		9 675	1991 RX ₂₁	1991 08 08.45660	23 42 14.10	-03 13 31.3		9 675

1991 RY ₂₁	1991 08 08.42483	23 43 12.35	-06 29 06.6	9 675	1991 UP ₂	1993 04 14.17240	11 36 28.69	+10 01 30.3	9 675
1991 RY ₂₁	1991 08 08.45660	23 43 11.49	-06 29 16.1	9 675	1991 UP ₂	1993 04 14.20729	11 36 27.28	+10 01 34.8	9 675
1991 RC ₂₂	1991 09 14.31493	23 23 12.69	-11 08 06.7	9 675	1991 UK ₃	1988 05 10.37569	16 04 36.49	-15 25 03.6	17.2 9 675
1991 RC ₂₂	1991 09 14.36765	23 23 09.38	-11 08 17.8	9 675	1991 UK ₃	1988 05 10.40608	16 04 35.01	-15 24 52.8	9 675
1991 RD ₂₂	1991 09 14.31493	23 23 39.48	-12 04 00.6	18.2 9 675	1991 VL ₁	1994 09 12.33455	23 29 52.00	-15 43 58.8	16.8 9 675
1991 RD ₂₂	1991 09 14.36765	23 23 36.80	-12 04 14.7	9 675	1991 VL ₁	1994 09 12.36667	23 29 50.25	-15 44 13.3	9 675
1991 RJ ₂₂	1991 09 14.31493	23 26 48.78	-12 33 08.7	15.5 9 675	1991 VP ₁	1989 01 08.42361	08 34 52.27	+17 45 38.3	9 675
1991 RJ ₂₂	1991 09 14.36765	23 26 46.29	-12 33 33.1	9 675	1991 VP ₁	1989 01 08.45990	08 34 50.29	+17 45 54.3	17.2 9 675
1991 RL ₂₂	1991 09 14.31493	23 27 14.96	-12 17 40.2	17.2 9 675	1991 VQ ₁	1993 03 23.27813	12 06 59.00	+11 12 41.6	18.0 9 675
1991 RL ₂₂	1991 09 14.36765	23 27 12.36	-12 18 00.9	9 675	1991 VQ ₁	1993 03 23.31516	12 06 56.68	+11 12 53.6	9 675
1991 RA ₂₄	1991 08 08.42483	23 30 27.11	-05 58 47.5	9 675	1991 VQ ₁	1993 04 14.17240	11 47 23.16	+12 26 06.0	9 675
1991 RA ₂₄	1991 08 08.45660	23 30 26.65	-05 58 48.7	18.2 9 675	1991 VQ ₁	1993 04 14.20729	11 47 21.56	+12 26 06.9	9 675
1991 RB ₂₄	1991 08 08.42483	23 32 18.72	-04 42 13.8	17.5 9 675	1992 AQ	1992 02 05.23038	07 04 12.40	+36 26 16.9	17.5 9 675
1991 RB ₂₄	1991 08 08.45660	23 32 18.08	-04 42 23.6	9 675	1992 AQ	1992 02 05.26806	07 04 10.75	+36 26 58.4	9 675
1991 RO ₂₄	1991 08 08.42483	23 21 30.58	-03 21 58.7	17.5 9 675	1992 AV ₁	1992 02 05.23038	06 53 06.51	+30 31 49.2	17.0 9 675
1991 RO ₂₄	1991 08 08.45660	23 21 31.18	-03 22 20.2	9 675	1992 AV ₁	1992 02 05.26806	06 53 04.62	+30 32 28.2	9 675
1991 RO ₂₄	1991 09 14.31493	23 19 17.63	-13 01 01.8	17.0 9 675	1992 BR	1992 02 02.44878	10 02 07.94	+09 53 57.5	2 675
1991 RO ₂₄	1991 09 14.36765	23 19 16.44	-13 01 48.9	9 675	1992 BR	1992 02 03.38941	10 01 19.78	+09 54 34.6	16.5 2 675
1991 RR ₃₀	1991 08 06.34201	22 26 06.37	-19 00 03.7	17.5 9 675	1992 BR	1992 02 03.40747	10 01 18.69	+09 54 34.8	2 675
1991 RR ₃₀	1991 08 06.37951	22 26 04.82	-19 00 12.8	9 675	1992 BF ₄	1993 05 21.21979	13 59 51.18	-12 22 36.2	19.2 9 675
1991 RE ₃₅	1991 09 14.31493	23 16 51.63	-13 07 14.6	17.0 9 675	1992 BF ₄	1993 05 21.25347	13 59 49.89	-12 22 30.6	9 675
1991 RE ₃₅	1991 09 14.36765	23 16 48.41	-13 07 32.6	17.8 9 675	1992 BB ₅	1988 05 10.37569	16 16 37.62	-15 07 41.4	18.2 9 675
1991 SG	1991 08 08.42483	23 29 24.93	-03 45 44.5	17.8 9 675	1992 CF ₃	1989 05 09.17326	11 52 41.32	+04 09 44.4	18.2 9 675
1991 SG	1991 08 08.45660	23 29 24.36	-03 45 54.8	9 675	1992 CF ₃	1989 05 09.20382	11 52 41.52	+04 09 47.4	9 675
1991 ST	1990 01 29.47708	10 39 09.84	+18 50 12.9	9 675	1992 CJ ₈	* 1992 02 02.44878	10 03 41.29	+09 47 44.8	2 675
1991 ST	1990 01 29.52431	10 39 07.58	+18 50 33.6	9 675	1992 CJ ₈	1992 02 03.38941	10 02 46.34	+09 50 10.6	16.5 2 675
1991 SU	1991 09 14.31493	23 17 23.28	-18 41 22.0	18.2 9 675	1992 CJ ₈	1992 02 03.40747	10 02 45.14	+09 50 12.7	2 675
1991 SU	1991 09 14.36765	23 17 20.51	-18 41 46.7	9 675	1992 CK ₈	* 1992 02 02.44878	10 05 03.29	+09 44 54.9	2 675
1991 SW	1991 09 14.31493	23 20 39.76	-17 58 35.3	18.5 9 675	1992 CK ₈	1992 02 03.38941	10 04 13.84	+09 48 20.6	17.0 2 675
1991 SW	1991 09 14.36765	23 20 37.51	-17 58 55.4	9 675	1992 CK ₈	1992 02 03.40747	10 04 12.70	+09 48 24.4	2 675
1991 SX	1991 09 14.31493	23 20 32.62	-16 27 49.3	18.2 9 675	1992 CL ₈	* 1992 02 02.44878	10 05 26.74	+09 41 20.7	2 675
1991 SX	1991 09 14.36765	23 20 30.13	-16 28 14.4	9 675	1992 CL ₈	1992 02 03.38941	10 04 42.31	+09 46 24.4	16.5 2 675
1991 SY	1991 09 14.36765	23 27 10.41	-19 18 05.0	17.5 9 675	1992 CL ₈	1992 02 03.40747	10 04 41.30	+09 46 29.8	2 675
1991 SZ	1991 09 14.31493	23 27 48.64	-17 09 52.5	17.2 9 675	1992 EE	1993 07 26.43611	23 42 27.89	-04 47 46.5	19.2 9 675
1991 SZ	1991 09 14.36765	23 27 45.45	-17 10 01.2	9 675	1992 EF ₂	1993 09 21.23420	23 03 24.75	-10 44 57.6	18.5 9 675
1991 SA ₁	1991 09 14.31493	23 24 42.50	-15 24 02.7	18.0 9 675	1992 EF ₂	1993 09 21.27031	23 03 23.03	-10 45 16.6	9 675
1991 SA ₁	1991 09 14.36765	23 24 40.28	-15 24 36.1	9 675	1992 ER ₆	1994 09 12.33455	23 32 15.09	-11 49 51.1	18.0 9 675
1991 SB ₁	1991 09 14.31493	23 29 36.69	-18 43 16.7	18.2 9 675	1992 ER ₆	1994 09 12.36667	23 32 13.48	-11 49 58.5	9 675
1991 SB ₁	1991 09 14.36765	23 29 33.73	-18 43 35.2	9 675	1992 EA ₇	1993 08 14.40139	23 32 26.87	-14 17 07.8	17.5 9 675
1991 SC ₁	1991 09 14.31493	23 29 36.95	-17 57 42.1	17.5 9 675	1992 EA ₇	1993 08 14.42899	23 32 25.70	-14 17 12.5	9 675
1991 SC ₁	1991 09 14.36765	23 29 34.17	-17 57 49.2	9 675	1992 FS	1993 07 21.38976	22 16 12.80	-20 37 40.7	17.0 9 675
1991 SD ₁	1991 09 14.36765	23 30 23.55	-17 07 20.1	18.2 9 675	1992 FS	1993 07 21.42465	22 16 11.67	-20 37 49.0	9 675
1991 SJ ₂	1991 08 08.42483	23 19 29.83	-00 27 16.9	9 675	1992 FV ₁	1993 08 14.40139	23 39 16.47	-15 15 52.3	17.2 9 675
1991 SJ ₂	1991 08 08.45660	23 19 28.98	-00 27 05.2	9 675	1992 FV ₁	1993 08 14.42899	23 39 15.38	-15 15 59.4	9 675
1991 SK ₂	1991 08 08.42483	23 20 52.36	-01 49 10.7	18.0 9 675	1992 FO ₃	1989 04 01.41354	14 20 27.64	-13 11 56.9	19.2 9 675
1991 SK ₂	1991 08 08.45660	23 20 51.36	-01 49 09.5	9 675	1992 FO ₃	1989 04 01.45399	14 20 25.56	-13 11 45.2	9 675
1991 TB	1991 08 06.34201	22 43 28.05	-22 17 03.3	18.2 9 675	1992 HA ₅	1994 11 28.27708	03 43 49.10	+18 16 12.2	9 675
1991 TB	1991 08 06.37951	22 43 26.23	-22 17 15.9	9 675	1992 HA ₅	1994 11 28.31979	03 43 46.85	+18 16 09.7	17.5 9 675
1991 UQ	1990 04 01.38160	13 08 37.02	-06 50 40.1	17.8 9 675	1992 OO ₁	1992 06 28.47014	21 39 15.17	-09 29 51.0	9 675
1991 UQ	1990 04 01.40660	13 08 35.46	-06 50 34.8	9 675	1992 OQ ₁	1992 06 28.44340	21 34 04.57	-14 45 13.6	9 675
1991 UV	1990 04 01.38160	12 58 27.17	-07 42 48.7	17.0 9 675	1992 OQ ₁	1992 06 28.47014	21 34 04.47	-14 45 07.6	19.0 9 675
1991 UV	1990 04 01.40660	12 58 25.67	-07 42 39.3	9 675	1992 OX ₁	1992 06 28.44340	21 36 05.27	-11 27 48.3	9 675

1992 OX ₁	1992 06 28.47014	21 36 05.08	-11 27 52.9	18.2	9 675	1992 UT ₁	1992 10 25.33490	02 19 47.18	+07 53 40.7	17.5	9 675
1992 OG ₂	1991 05 18.33056	15 00 58.47	-09 01 55.8		9 675	1992 UT ₁	1992 10 25.37014	02 19 45.06	+07 53 33.5		9 675
1992 OG ₂	1991 05 18.36024	15 00 56.87	-09 01 49.5		9 675	1992 UW ₁	1992 10 25.33490	02 14 52.05	+07 49 59.9		9 675
1992 OG ₂	1992 06 28.44340	21 39 38.83	-13 29 15.4	18.2	9 675	1992 UW ₁	1992 10 25.37014	02 14 49.87	+07 49 52.3	17.5	9 675
1992 OY ₂	1992 06 28.44340	21 40 42.78	-12 23 43.6		9 675	1992 UE ₂	1989 01 08.42361	08 51 32.62	+16 11 07.5		9 675
1992 OY ₂	1992 06 28.47014	21 40 42.92	-12 23 46.9	18.0	9 675	1992 UE ₂	1989 01 08.45990	08 51 30.81	+16 11 12.7		9 675
1992 OF ₃	1992 06 28.44340	21 45 54.57	-15 59 48.6		9 675	1992 UM ₂	1949 11 19.25833	03 16 06.70	+15 21 39.5	17.2	6 675
1992 OF ₃	1992 06 28.47014	21 45 54.58	-15 59 47.5	18.8	9 675	1992 UM ₂	1949 11 19.28646	03 16 04.66	+15 21 39.0		6 675
1992 OB ₉	1950 04 22.32153	14 01 30.34	+08 17 37.9	17.8	6 675	1992 UM ₂	1992 10 25.33490	02 21 41.37	+08 05 27.2	17.8	9 675
1992 OB ₉	1950 04 22.35035	14 01 28.90	+08 17 44.5		6 675	1992 UM ₂	1992 10 25.37014	02 21 39.16	+08 05 23.2	17.8	9 675
1992 PJ	1992 06 28.44340	21 48 56.73	-10 23 41.1	18.2	9 675	1992 UN ₂	1992 10 21.41493	03 05 06.60	+16 03 01.0	17.0	9 675
1992 PJ	1992 06 28.47014	21 48 56.48	-10 23 36.8		9 675	1992 UN ₂	1992 10 21.44306	03 05 05.28	+16 02 59.7		9 675
1992 PX	1992 06 28.47014	21 47 06.05	-08 52 35.6		9 675	1992 UN ₂	1992 11 27.21007	02 32 46.72	+15 18 28.4	17.2	9 675
1992 PO ₁	1992 06 28.44340	21 46 59.68	-13 18 26.4	18.8	9 675	1992 UN ₂	1992 11 27.24115	02 32 45.46	+15 18 28.5		9 675
1992 PO ₁	1992 06 28.47014	21 47 00.15	-13 18 19.0		9 675	1992 UU ₂	1991 05 18.33056	15 08 04.61	-13 35 53.0		9 675
1992 PV ₁	1992 06 28.44340	21 49 13.90	-09 04 50.5	17.5	9 675	1992 UU ₂	1991 05 18.36024	15 08 02.67	-13 35 50.1		9 675
1992 PV ₁	1992 06 28.47014	21 49 14.42	-09 04 49.6		9 675	1992 UX ₂	1992 10 21.41493	03 01 25.37	+15 46 15.8	17.2	9 675
1992 PY ₁	1992 06 28.44340	21 59 14.58	-12 17 36.6	18.5	9 675	1992 UX ₂	1992 10 21.44306	03 01 23.68	+15 46 00.0		9 675
1992 PY ₁	1992 06 28.47014	21 59 14.62	-12 17 26.5		9 675	1992 UY ₂	1988 08 16.31441	21 13 46.17	-07 39 46.3	18.5	9 675
1992 PA ₂	1992 06 28.44340	21 40 34.04	-15 21 27.5		9 675	1992 UY ₂	1988 08 16.34878	21 13 44.35	-07 39 55.8		9 675
1992 PA ₂	1992 06 28.47014	21 40 34.28	-15 21 21.9		9 675	1992 UY ₂	1992 10 21.41493	03 08 49.06	+15 21 17.1	18.0	9 675
1992 PT ₃	1992 06 28.44340	22 03 38.14	-15 00 11.7		9 675	1992 UY ₂	1992 10 21.44306	03 08 47.78	+15 21 06.0		9 675
1992 PT ₃	1992 06 28.47014	22 03 39.51	-15 00 08.8	17.5	9 675	1992 UY ₂	1992 11 30.32760	02 34 27.91	+10 55 42.6	17.5	9 675
1992 PT ₃	1992 08 24.27813	21 58 30.21	-18 17 26.7	16.2	9 675	1992 UZ ₂	1992 10 21.41493	03 08 49.68	+15 13 24.1	17.8	9 675
1992 PT ₃	1992 08 24.31389	21 58 28.70	-18 17 35.7		9 675	1992 UZ ₂	1992 10 21.44306	03 08 48.37	+15 13 20.3		9 675
1992 PU ₃	1992 08 24.27813	21 55 52.77	-16 55 58.4	17.0	9 675	1992 UZ ₂	1992 11 27.21007	02 38 19.69	+13 41 58.0		9 675
1992 PU ₃	1992 08 24.31389	21 55 50.73	-16 56 09.7		9 675	1992 UZ ₂	1992 11 27.24115	02 38 18.40	+13 41 55.1	17.8	9 675
1992 PT ₄	1992 08 24.27813	22 09 27.39	-16 28 08.7	17.0	9 675	1992 UA ₃	1992 10 21.41493	03 16 54.14	+17 52 43.6	17.5	9 675
1992 PT ₄	1992 08 24.31389	22 09 25.59	-16 28 33.0	17.0	9 675	1992 UA ₃	1992 10 21.44306	03 16 52.83	+17 52 43.0		9 675
1992 QW	1992 08 24.27813	22 05 17.87	-20 21 44.1	17.8	9 675	1992 UA ₃	1992 11 27.21007	02 43 32.71	+16 45 40.5	17.5	9 675
1992 QW	1992 08 24.31389	22 05 15.51	-20 21 43.6		9 675	1992 UA ₃	1992 11 27.24115	02 43 31.22	+16 45 37.7		9 675
1992 RX ₆	1990 04 01.40660	13 03 02.19	-08 36 08.8		9 675	1992 UB ₃	1992 10 21.41493	03 28 47.74	+18 56 58.4	16.8	9 675
1992 ST	1988 11 09.42743	03 59 45.38	+29 09 13.8	15.5	9 675	1992 UB ₃	1992 10 21.44306	03 28 46.23	+18 57 03.8		9 675
1992 ST	1988 11 09.45833	03 59 44.10	+29 09 36.8		9 675	1992 UB ₃	1992 10 25.42760	03 25 08.15	+19 09 21.7	16.2	9 675
1992 SU	1989 03 07.46701	12 44 17.98	-01 54 01.4	17.2	9 675	1992 UB ₃	1992 10 25.46094	03 25 06.27	+19 09 26.8		9 675
1992 SU	1989 03 07.49540	12 44 16.95	-01 53 44.3		9 675	1992 UE ₃	1989 01 08.42361	08 38 02.37	+21 05 09.4	18.0	9 675
1992 SU	1989 03 29.31615	12 29 15.37	+01 43 14.3	16.8	9 675	1992 UE ₃	1989 01 08.45990	08 38 00.51	+21 05 19.2		9 675
1992 SU	1989 03 29.34497	12 29 14.09	+01 43 30.7		9 675	1992 UE ₃	1992 10 25.33490	02 15 11.84	+09 19 09.1		9 675
1992 SU	1989 05 09.17326	12 08 56.61	+06 20 56.2	17.8	9 675	1992 UE ₃	1992 10 25.37014	02 15 10.01	+09 19 01.6	17.8	9 675
1992 SU	1989 05 09.20382	12 08 56.16	+06 21 00.8		9 675	1992 UG ₃	1992 10 25.33490	02 18 55.16	+10 04 26.1	17.2	9 675
1992 SU ₁₄	1989 03 07.20052	07 44 38.79	+35 34 05.8	17.5	9 675	1992 UG ₃	1992 10 25.37014	02 18 53.41	+10 04 17.0		9 675
1992 SU ₁₄	1989 03 07.24132	07 44 38.70	+35 33 43.6		9 675	1992 UM ₃	1992 10 21.41493	02 57 58.25	+21 18 48.6		9 675
1992 SK ₂₆	1992 10 25.33490	02 02 25.74	+06 11 13.7		9 675	1992 UM ₃	1992 11 27.21007	02 30 07.45	+17 28 11.0	17.0	9 675
1992 SK ₂₆	1992 10 25.37014	02 02 23.89	+06 11 00.0	17.5	9 675	1992 UM ₃	1992 11 27.24115	02 30 06.34	+17 27 58.2		9 675
1992 SP ₂₆	1992 10 25.33490	02 07 11.65	+06 08 13.1	17.5	9 675	1992 UN ₃	1992 10 21.41493	03 04 16.72	+22 19 10.8	17.0	9 675
1992 SP ₂₆	1992 10 25.37014	02 07 09.50	+06 08 07.6		9 675	1992 UN ₃	1992 10 21.44306	03 04 15.46	+22 18 58.9		9 675
1992 SQ ₂₆	1992 10 25.33490	02 08 53.42	+05 29 24.0	17.8	9 675	1992 UN ₃	1992 11 27.21007	02 34 31.15	+16 46 53.9	17.5	9 675
1992 SQ ₂₆	1992 10 25.37014	02 08 51.46	+05 29 15.1		9 675	1992 UN ₃	1992 11 27.24115	02 34 29.98	+16 46 36.2		9 675
1992 UQ	1991 05 18.33056	14 54 59.01	-09 42 16.6		9 675	1992 UO ₃	1988 11 09.42743	04 10 56.43	+31 00 54.0	17.2	9 675
1992 UQ	1991 05 18.36024	14 54 57.42	-09 42 07.6		9 675	1992 UO ₃	1988 11 09.45833	04 10 54.28	+31 00 59.8		9 675
1992 UT ₁	1991 05 18.33056	15 19 37.48	-14 11 59.1		9 675	1992 UO ₃	1992 10 21.41493	03 07 23.87	+21 48 41.8	17.0	9 675
1992 UT ₁	1991 05 18.36024	15 19 35.61	-14 11 52.9		9 675	1992 UO ₃	1992 10 21.44306	03 07 22.16	+21 48 46.2		9 675

1992 UP ₃	1992 10 21.41493	03 06 58.59	+18 48 39.9	17.2	9 675	1992 UL ₆	1992 10 21.45729	03 27 26.50	+12 55 20.6		9 675
1992 UP ₃	1992 10 21.44306	03 06 57.25	+18 48 41.5		9 675	1992 UL ₆	1992 11 27.21007	02 55 04.70	+12 34 06.0	17.2	9 675
1992 UP ₃	1992 11 27.21007	02 33 56.59	+18 13 13.8	17.2	9 675	1992 UL ₆	1992 11 27.24115	02 55 03.13	+12 34 06.6		9 675
1992 UP ₃	1992 11 27.24115	02 33 55.20	+18 13 11.4		9 675	1992 UL ₆	1992 11 28.27604	02 54 13.36	+12 34 45.9	17.8	9 675
1992 UT ₃	1990 01 29.47708	10 43 34.48	+19 51 42.6		9 675	1992 UO ₆	1992 10 26.43003	03 24 12.34	+05 25 43.7	17.0	9 675
1992 UT ₃	1990 01 29.52431	10 43 32.43	+19 52 02.6		9 675	1992 UO ₆	1992 10 26.47153	03 24 10.32	+05 25 41.0		9 675
1992 UT ₃	1992 10 21.42847	03 39 53.09	+16 23 29.2	17.2	9 675	1992 UO ₆	1992 11 30.32760	02 54 26.98	+06 00 35.0	17.0	9 675
1992 UT ₃	1992 10 21.45729	03 39 51.97	+16 23 32.5		9 675	1992 UO ₆	1992 11 30.36007	02 54 25.62	+06 00 42.7		9 675
1992 UT ₃	1992 10 25.42760	03 36 59.69	+16 27 42.1	16.8	9 675	1992 UP ₆	1992 10 21.41493	03 17 32.53	+16 48 27.9	16.5	9 675
1992 UT ₃	1992 10 25.46094	03 36 58.10	+16 27 44.4		9 675	1992 UP ₆	1992 10 21.44306	03 17 31.45	+16 48 14.3		9 675
1992 UY ₃	1992 10 21.41493	03 09 45.51	+19 33 41.4	17.0	9 675	1992 UP ₆	1992 11 27.21007	02 50 36.43	+11 30 19.3	16.8	9 675
1992 UY ₃	1992 10 21.44306	03 09 43.84	+19 33 42.7		9 675	1992 UP ₆	1992 11 27.24115	02 50 35.25	+11 30 06.2		9 675
1992 UZ ₃	1992 10 21.41493	03 10 44.13	+19 47 14.9	17.2	9 675	1992 UP ₆	1992 11 30.32760	02 48 49.41	+11 08 34.9	16.5	9 675
1992 UZ ₃	1992 10 21.44306	03 10 42.89	+19 47 12.5		9 675	1992 UP ₆	1992 11 30.36007	02 48 48.31	+11 08 22.8		9 675
1992 UZ ₃	1992 11 27.21007	02 40 38.80	+18 12 39.5	17.2	9 675	1992 UP ₁₀	1992 10 21.42847	03 22 17.32	+12 10 42.4	17.2	9 675
1992 UZ ₃	1992 11 27.24115	02 40 37.48	+18 12 34.6		9 675	1992 UP ₁₀	1992 10 21.45729	03 22 16.02	+12 10 41.0		9 675
1992 UE ₄	1992 11 30.32760	02 33 32.00	+10 19 04.9	17.2	9 675	1992 UP ₁₀	* 1992 10 22.36667	03 21 37.26	+12 09 53.2	17.0	9 675
1992 UE ₄	1992 11 30.36007	02 33 31.10	+10 19 11.0		9 675	1992 UP ₁₀	1992 10 22.39861	03 21 35.70	+12 09 52.4		9 675
1992 UR ₄	1992 10 21.41493	02 56 17.04	+20 16 15.3		9 675	1992 UP ₁₀	1992 11 27.21007	02 49 35.31	+12 09 59.5		9 675
1992 UR ₄	1992 10 21.44306	02 56 15.85	+20 16 11.6		9 675	1992 UP ₁₀	1992 11 27.24115	02 49 33.91	+12 10 01.9	17.8	9 675
1992 UJ ₅	1992 10 21.41493	03 13 56.49	+18 17 48.5		9 675	1992 UP ₁₀	1992 11 30.32760	02 47 40.82	+12 16 23.9	18.0	9 675
1992 UJ ₅	1992 10 21.44306	03 13 55.32	+18 17 43.2		9 675	1992 UP ₁₀	1992 11 30.36007	02 47 39.62	+12 16 27.6		9 675
1992 UJ ₅	1992 11 27.21007	02 43 01.83	+15 48 03.5	17.2	9 675	1992 UQ ₁₀	1992 10 25.33490	02 13 23.92	+06 08 48.5	18.5	9 675
1992 UJ ₅	1992 11 27.24115	02 43 00.40	+15 47 58.0		9 675	1992 UQ ₁₀	1992 10 25.37014	02 13 21.83	+06 08 38.7		9 675
1992 UK ₅	1992 10 25.42760	03 36 32.68	+18 12 08.1	17.0	9 675	1992 VH	1992 10 21.41493	03 26 59.22	+17 56 01.1	17.8	9 675
1992 UK ₅	1992 10 25.46094	03 36 30.62	+18 12 05.7		9 675	1992 VH	1992 10 21.44306	03 26 58.00	+17 55 56.2		9 675
1992 UK ₅	1992 11 27.21007	02 59 45.70	+17 13 56.2		9 675	1992 VH	1992 11 27.21007	02 56 25.45	+15 31 24.5		9 675
1992 UK ₅	1992 11 27.24115	02 59 43.91	+17 13 53.5		9 675	1992 VH	1992 11 27.24115	02 56 24.19	+15 31 19.1		9 675
1992 UO ₅	1992 11 30.32760	02 29 27.84	+07 12 46.0	17.8	9 675	1992 VL	1992 10 26.43003	03 20 55.97	+02 15 19.2	16.8	9 675
1992 UO ₅	1992 11 30.36007	02 29 26.52	+07 12 50.4		9 675	1992 VL	1992 10 26.47153	03 20 53.94	+02 15 13.0		9 675
1992 UU ₅	1992 10 21.42847	03 31 58.37	+15 29 01.5	17.0	9 675	1992 VQ	1992 10 21.41493	03 21 44.06	+15 47 31.8	17.2	9 675
1992 UU ₅	1992 10 21.45729	03 31 57.48	+15 29 01.0		9 675	1992 VQ	1992 10 21.42847	03 21 43.57	+15 47 29.6	17.8	9 675
1992 UU ₅	1992 11 27.21007	03 01 02.93	+15 18 16.9	16.5	9 675	1992 VQ	1992 10 21.44306	03 21 42.96	+15 47 26.6		9 675
1992 UU ₅	1992 11 27.24115	03 01 01.37	+15 18 17.8		9 675	1992 VQ	1992 10 21.45729	03 21 42.48	+15 47 24.8		9 675
1992 UU ₅	1992 11 28.27604	03 00 14.68	+15 18 56.5	17.0	9 675	1992 VQ	1992 11 27.21007	02 53 28.51	+13 57 52.8	17.2	9 675
1992 UU ₅	1992 11 28.30990	03 00 13.09	+15 18 56.5		9 675	1992 VQ	1992 11 27.24115	02 53 27.18	+13 57 48.9		9 675
1992 UZ ₅	1992 10 21.42847	03 29 16.41	+10 23 53.8	17.8	9 675	1992 VR	1992 10 21.41493	03 28 22.89	+16 39 36.0		9 675
1992 UZ ₅	1992 10 21.45729	03 29 15.14	+10 23 54.7		9 675	1992 VR	1992 10 21.42847	03 28 22.47	+16 39 33.3	18.0	9 675
1992 UZ ₅	1992 11 28.27604	02 56 11.85	+11 05 20.8	17.8	9 675	1992 VR	1992 10 21.44306	03 28 21.82	+16 39 30.3		9 675
1992 UZ ₅	1992 11 28.30990	02 56 10.08	+11 05 25.4		9 675	1992 VR	1992 10 21.45729	03 28 21.40	+16 39 25.3		9 675
1992 UZ ₅	1992 11 30.32760	02 54 34.31	+11 10 06.1		9 675	1992 VR	1992 11 27.21007	02 57 09.29	+14 04 13.2	17.8	9 675
1992 UZ ₅	1992 11 30.36007	02 54 32.83	+11 10 11.7		9 675	1992 VR	1992 11 27.24115	02 57 07.83	+14 04 06.5		9 675
1992 UA ₆	1992 10 25.42760	03 42 29.74	+23 54 30.2	17.2	9 675	1992 VR	1992 11 28.27604	02 56 22.86	+14 00 47.2	18.0	9 675
1992 UC ₆	1992 10 25.42760	03 45 40.91	+23 06 18.7	17.8	9 675	1992 VR	1992 11 28.30990	02 56 21.40	+14 00 40.9		9 675
1992 UC ₆	1992 10 25.46094	03 45 39.33	+23 06 06.7		9 675	1992 WG	1992 10 25.42760	03 37 58.06	+17 05 25.4	18.2	9 675
1992 UG ₆	1992 10 21.42847	03 32 41.70	+15 31 50.7	16.5	9 675	1992 WG	1992 10 25.46094	03 37 56.51	+17 05 30.1		9 675
1992 UG ₆	1992 10 21.45729	03 32 40.65	+15 32 00.4		9 675	1992 WH	1992 10 25.42760	03 41 26.66	+20 43 16.9	17.8	9 675
1992 UH ₆	1992 10 25.42760	03 46 31.87	+15 29 16.0	16.8	9 675	1992 WH	1992 10 25.46094	03 41 24.94	+20 43 04.6		9 675
1992 UH ₆	1992 10 25.46094	03 46 30.11	+15 29 18.8		9 675	1992 WJ	1992 10 25.42760	03 41 11.28	+21 13 22.5	18.0	9 675
1992 UH ₆	1992 11 28.27604	03 09 49.19	+16 10 22.5	16.5	9 675	1992 WJ	1992 10 25.46094	03 41 09.77	+21 13 20.3		9 675
1992 UH ₆	1992 11 28.30990	03 09 47.07	+16 10 26.0		9 675	1992 WL	1992 10 25.42760	03 42 15.79	+20 30 22.9	17.0	9 675
1992 UL ₆	1992 10 21.42847	03 27 27.68	+12 55 21.0	17.5	9 675	1992 WL	1992 10 25.46094	03 42 14.33	+20 30 25.0		9 675

1992 WM	1992 10 25.42760	03 49 53.20	+19 17 40.1	18.2	9 675	1993 DD ₂	1993 04 14.17240	11 34 24.24	+07 31 58.0		9 675
1992 WM	1992 10 25.46094	03 49 51.62	+19 17 43.9		9 675	1993 DD ₂	1993 04 14.20729	11 34 22.67	+07 31 53.3	17.2	9 675
1992 WP	1992 10 25.42760	03 54 40.96	+16 08 16.1	17.2	9 675	1993 EE	1993 04 14.17240	11 31 47.22	+09 13 07.5	17.5	9 675
1992 WP	1992 10 25.46094	03 54 39.26	+16 08 25.6		9 675	1993 EE	1993 04 14.20729	11 31 46.35	+09 13 11.6		9 675
1992 WR	1992 10 25.42760	03 55 36.66	+18 47 30.7	17.5	9 675	1993 FB ₁	1994 09 12.33455	23 19 46.78	-18 58 34.0	17.8	9 675
1992 WR	1992 10 25.46094	03 55 35.22	+18 47 33.3		9 675	1993 FB ₁	1994 09 12.36667	23 19 44.87	-18 58 42.4		9 675
1992 WF ₁	1992 10 26.47708	03 48 47.02	+06 12 54.3	17.0	9 675	1993 FL ₁	1993 03 23.27813	12 10 56.69	+07 39 35.6	16.8	9 675
1992 WF ₁	1992 10 26.51059	03 48 45.59	+06 12 49.5		9 675	1993 FL ₁	1993 03 23.31516	12 10 54.24	+07 39 43.2		9 675
1992 WF ₁	1992 11 27.28142	03 22 22.00	+05 49 39.6	17.0	9 675	1993 FL ₁	1993 04 14.17240	11 50 33.05	+08 08 05.5		9 675
1992 WF ₁	1992 11 27.31597	03 22 20.32	+05 49 41.6		9 675	1993 FM ₁	1993 03 23.27813	12 12 15.71	+06 29 33.3	16.8	9 675
1992 WH ₁	1988 09 10.38542	00 27 35.39	-07 51 58.2	16.6	9 675	1993 FM ₁	1993 03 23.31516	12 12 13.60	+06 29 52.8		9 675
1992 WH ₁	1988 09 10.41528	00 27 34.21	-07 52 15.4		9 675	1993 FN ₁	1993 03 23.27813	12 14 23.50	+07 04 27.4	17.0	9 675
1992 WH ₁	1992 10 26.47708	04 04 35.91	+08 18 33.2	16.2	9 675	1993 FN ₁	1993 03 23.31516	12 14 21.58	+07 04 46.2		9 675
1992 WH ₁	1992 10 26.51059	04 04 34.54	+08 18 25.5		9 675	1993 FO ₁	1993 03 23.27813	12 15 07.53	+08 31 35.8	16.8	9 675
1992 WH ₁	1992 11 27.28142	03 35 26.99	+07 05 10.0	16.8	9 675	1993 FO ₁	1993 03 23.31516	12 15 05.21	+08 31 46.0		9 675
1992 WH ₁	1992 11 27.31597	03 35 24.97	+07 05 09.6		9 675	1993 FQ ₁	1993 03 23.27813	12 20 21.59	+06 48 52.4	16.8	9 675
1992 WV ₁	1992 10 25.42760	03 46 04.71	+18 17 19.2	18.0	9 675	1993 FQ ₁	1993 03 23.31516	12 20 19.60	+06 49 13.1		9 675
1992 WV ₁	1992 10 25.46094	03 46 03.46	+18 17 20.2		9 675	1993 FR ₁	1993 03 23.27813	12 21 34.59	+06 34 37.5	17.2	9 675
1992 WZ ₁	1992 10 25.42760	03 43 27.84	+23 23 02.4	18.0	9 675	1993 FR ₁	1993 03 23.31516	12 21 32.82	+06 34 49.6		9 675
1992 WZ ₁	1992 10 25.46094	03 43 26.38	+23 23 07.3		9 675	1993 FV ₇	1989 03 07.20052	07 56 12.05	+31 24 09.9	18.5	9 675
1992 WC ₂	1992 10 25.42760	03 57 29.73	+20 12 21.9	17.5	9 675	1993 FV ₇	1989 03 07.24132	07 56 11.55	+31 23 59.6		9 675
1992 WC ₂	1992 10 25.46094	03 57 28.56	+20 12 17.9		9 675	1993 FV ₇	1994 09 10.33056	00 14 11.43	-08 44 15.9	17.2	9 675
1992 WX ₂	1992 10 25.42760	03 54 17.48	+18 09 54.6	17.8	9 675	1993 FV ₇	1994 09 10.35990	00 14 09.64	-08 44 21.1		9 675
1992 WX ₂	1992 10 25.46094	03 54 16.18	+18 09 47.4		9 675	1993 FX ₉	1989 03 07.46701	12 46 07.99	+01 37 08.3	17.5	9 675
1992 WG ₃	1990 04 01.38160	12 59 20.58	-06 56 17.0	18.2	9 675	1993 FX ₉	1989 03 07.49540	12 46 06.80	+01 37 16.9		9 675
1992 WG ₃	1990 04 01.40660	12 59 19.12	-06 56 09.1		9 675	1993 FX ₉	1989 03 29.31615	12 28 24.59	+03 35 58.5	16.5	9 675
1992 WR ₃	1989 03 07.20052	07 56 39.14	+34 28 07.8	17.0	9 675	1993 FX ₉	1989 03 29.34497	12 28 22.98	+03 36 07.2		9 675
1992 WR ₃	1989 03 07.24132	07 56 39.11	+34 28 06.9		9 675	1993 FJ ₁₆	1994 09 11.44219	01 14 08.84	-01 01 46.9		9 675
1992 WT ₃	1988 10 09.37135	01 42 21.76	-04 24 31.6	18.2	9 675	1993 FJ ₁₆	1994 09 11.47153	01 14 07.95	-01 01 54.3	16.2	9 675
1992 WT ₃	1988 10 09.40260	01 42 20.01	-04 24 40.5		9 675	1993 FJ ₁₆	1994 11 04.16684	00 35 49.43	-02 52 54.4	17.2	9 675
1992 WT ₃	1988 11 04.25017	01 19 35.55	-05 24 01.1	18.0	9 675	1993 FJ ₁₆	1994 11 04.21510	00 35 48.41	-02 52 45.7		9 675
1992 WT ₃	1988 11 04.28073	01 19 34.20	-05 23 58.3		9 675	1993 FB ₁₈	1989 01 08.42361	08 53 59.39	+20 42 01.7	18.5	9 675
1992 WO ₅	1988 09 10.38542	00 12 22.12	-06 26 51.3	17.8	9 675	1993 FB ₁₈	1989 01 08.45990	08 53 57.48	+20 42 14.5		9 675
1992 WO ₅	1988 09 10.41528	00 12 20.58	-06 27 03.6		9 675	1993 FG ₂₄	1953 10 10.47674	04 02 15.21	+13 19 52.6		6 675
1992 WH ₈	1992 10 25.42760	03 32 46.70	+20 26 00.2	17.5	9 675	1993 FG ₂₄	1953 10 10.50000	04 02 14.66	+13 19 46.3	17.8	6 675
1992 WH ₈	1992 10 25.46094	03 32 44.78	+20 25 55.3		9 675	1993 FF ₂₆	1988 11 09.42743	04 10 58.19	+29 34 21.8		9 675
1992 YB	1988 10 09.37135	01 25 24.46	-01 36 51.4		9 675	1993 FF ₂₆	1988 11 09.45833	04 10 56.18	+29 34 24.4	17.8	9 675
1992 YB	1988 10 09.40260	01 25 22.75	-01 37 07.3		9 675	1993 FT ₃₂	1990 09 28.35312	00 50 48.19	+00 06 03.1	16.8	9 675
1992 YB	1988 11 04.25017	01 05 11.13	-04 03 24.9	18.0	9 675	1993 HH ₁	1993 05 21.21979	13 53 54.47	-13 09 42.4	17.2	9 675
1992 YB	1988 11 04.28073	01 05 10.06	-04 03 28.1		9 675	1993 HH ₁	1993 05 21.25347	13 53 53.59	-13 09 35.8		9 675
1992 YH	1989 03 07.20052	07 54 29.92	+38 34 40.4	17.5	9 675	1993 HS ₁	1993 05 21.21979	13 37 23.83	-14 06 27.1	17.2	9 675
1992 YH	1989 03 07.24132	07 54 29.92	+38 34 29.6		9 675	1993 HS ₁	1993 05 21.25347	13 37 22.60	-14 06 29.6		9 675
1992 YC ₂	1989 01 08.42361	08 57 22.12	+16 30 40.0		9 675	1993 HW ₁	1989 03 07.20052	08 11 59.38	+36 08 17.0	17.5	9 675
1992 YC ₂	1989 01 08.45990	08 57 20.24	+16 30 47.4		9 675	1993 HA ₆	1989 04 01.41354	14 12 45.09	-09 24 40.4	18.2	9 675
1993 BB ₆	1989 05 07.29948	14 15 17.63	-15 18 52.1	19.0	9 675	1993 HA ₆	1989 04 01.45399	14 12 43.21	-09 24 37.9		9 675
1993 BB ₆	1989 05 07.33403	14 15 15.89	-15 18 42.9		9 675	1993 HA ₆	1994 09 12.33455	23 23 42.46	-12 52 02.5	17.8	9 675
1993 CJ ₁	1989 03 07.46701	12 40 32.64	+03 06 26.4	17.5	9 675	1993 HA ₆	1994 09 12.36667	23 23 40.59	-12 52 09.9		9 675
1993 CJ ₁	1989 03 07.49540	12 40 31.73	+03 06 45.5		9 675	1993 JL	1992 02 05.23038	06 35 11.40	+34 34 11.2	17.2	9 675
1993 CJ ₁	1989 03 29.31615	12 25 41.35	+07 26 06.9	16.8	9 675	1993 JL	1992 02 05.26806	06 35 09.93	+34 34 14.2		9 675
1993 C _{J1}	1989 03 29.34497	12 25 40.02	+07 26 26.3		9 675	1993 PZ ₂	1994 11 05.36597	03 33 24.98	+17 52 21.2		9 675
1993 DC ₁	1993 04 14.17240	11 19 11.62	+08 48 27.1		9 675	1993 PZ ₂	1994 11 05.39687	03 33 23.67	+17 52 14.8		9 675
1993 DC ₁	1993 04 14.20729	11 19 10.49	+08 48 33.1	17.5	9 675	1993 PW ₇	1989 11 04.42274	03 38 24.98	+23 48 15.6		9 675

1993 PW ₇	1989 11 04.45694	03 38 23.11	+23 48 13.1		9 675	1993 SU ₄	1993 07 26.43611	23 46 33.18	-06 59 23.5	18.5	9 675
1993 QU	1993 08 14.40139	23 18 56.06	-14 13 37.7	16.8	9 675	1993 SU ₄	1993 07 26.47865	23 46 32.73	-06 59 18.0		9 675
1993 QU	1993 08 14.42899	23 18 54.34	-14 13 23.6		9 675	1993 SD ₅	1993 07 26.43611	23 48 51.43	-05 39 05.5	17.5	9 675
1993 QD ₁	1993 07 21.38976	22 28 26.62	-21 01 33.3	18.2	9 675	1993 SD ₅	1993 07 26.47865	23 48 51.76	-05 38 57.4		9 675
1993 QD ₁	1993 07 21.42465	22 28 25.58	-21 01 28.6		9 675	1993 TP ₂₆	1992 06 28.44340	21 53 42.68	-13 34 58.7		9 675
1993 QU ₁	1993 09 21.23420	22 54 45.59	-09 40 49.4	17.5	9 675	1993 TP ₂₆	1992 06 28.47014	21 53 42.32	-13 35 01.6	18.8	9 675
1993 QU ₁	1993 09 21.27031	22 54 44.60	-09 41 09.4		9 675	1993 TU ₃₈	1988 09 10.38542	00 19 11.80	-07 00 15.1	18.8	9 675
1993 QD ₃	1993 09 21.23420	23 01 41.00	-07 47 07.2	18.5	9 675	1993 TU ₃₈	1988 09 10.41528	00 19 10.43	-07 00 25.2		9 675
1993 QD ₃	1993 09 21.27031	23 01 39.48	-07 47 21.4		9 675	1993 VX	1988 10 09.37135	01 43 46.86	-02 33 38.8		9 675
1993 QE ₃	1993 09 21.23420	23 06 41.55	-10 23 17.7	18.2	9 675	1993 VX	1988 10 09.40260	01 43 45.25	-02 33 46.7		9 675
1993 QE ₃	1993 09 21.27031	23 06 40.17	-10 23 30.3		9 675	1993 VX	1988 11 04.25017	01 22 21.58	-03 39 58.7	17.0	9 675
1993 QL ₄	1993 09 21.23420	23 16 17.07	-08 30 50.2	18.2	9 675	1993 VX	1988 11 04.28073	01 22 20.18	-03 39 59.4		9 675
1993 QL ₄	1993 09 21.27031	23 16 15.65	-08 31 02.7		9 675	1993 VX ₃	1953 09 07.25451	21 08 01.23	-08 20 13.5		6 675
1993 QN ₄	1993 09 21.23420	23 12 22.47	-10 59 09.1	17.8	9 675	1993 VX ₃	1953 09 07.27778	21 08 00.17	-08 20 20.1	18.0	6 675
1993 QN ₄	1993 09 21.27031	23 12 20.57	-10 59 27.3		9 675	1994 AY ₂	1988 11 09.34132	02 50 25.74	+25 52 51.1	17.8	9 675
1993 QR ₄	1993 07 26.43611	23 47 49.43	-04 19 45.6	19.0	9 675	1994 AY ₂	1988 11 09.38924	02 50 22.87	+25 52 36.9		9 675
1993 QS ₄	1993 07 26.43611	23 47 47.44	-06 54 05.9	18.0	9 675	1994 AE ₁₁	1992 08 24.27813	21 59 47.89	-20 14 25.4		9 675
1993 QS ₄	1993 07 26.47865	23 47 47.46	-06 53 52.5		9 675	1994 AE ₁₁	1992 08 24.31389	21 59 45.82	-20 14 39.5		9 675
1993 QU ₄	1993 09 21.23420	23 19 17.61	-08 58 10.1	17.8	9 675	1994 BS ₄	1989 11 04.42274	03 41 41.56	+17 51 30.4		9 675
1993 QU ₄	1993 09 21.27031	23 19 16.02	-08 58 31.7		9 675	1994 BS ₄	1989 11 04.45694	03 41 39.30	+17 51 27.4		9 675
1993 QV ₄	1988 09 10.24705	22 14 45.91	-12 43 23.7	19.2	9 675	1994 CS	1989 03 07.46701	13 03 25.12	+02 05 31.9	17.5	9 675
1993 QV ₄	1988 09 10.28420	22 14 44.17	-12 43 31.4		9 675	1994 CS	1989 03 07.49540	13 03 24.46	+02 05 44.5		9 675
1993 QV ₄	1993 07 26.43611	23 48 28.09	-02 47 29.1	19.2	9 675	1994 CS	1992 11 27.28142	03 36 21.66	+07 37 05.4	18.5	9 675
1993 QV ₄	1993 07 26.47865	23 48 27.89	-02 47 31.1		9 675	1994 CJ ₂	1992 10 26.43003	03 19 34.24	+06 30 12.4	19.0	9 675
1993 QH ₇	1993 09 21.23420	23 04 26.22	-08 24 40.4		9 675	1994 CM ₂	1951 09 09.28125	22 28 31.56	-00 32 24.4	17.2	6 675
1993 QH ₇	1993 09 21.27031	23 04 24.49	-08 24 54.9		9 675	1994 CM ₂	1951 09 09.30833	22 28 29.95	-00 32 30.7		6 675
1993 QN ₇	1993 09 21.23420	23 04 46.11	-08 50 25.0	18.2	9 675	1994 EB	1992 10 25.33490	02 27 29.05	+06 47 48.8	18.5	9 675
1993 QN ₇	1993 09 21.27031	23 04 44.29	-08 50 33.1		9 675	1994 EB	1992 10 25.37014	02 27 27.18	+06 47 33.5		9 675
1993 QH ₈	1993 09 21.23420	23 12 51.21	-09 27 14.0		9 675	1994 EB	1994 04 03.27242	11 52 16.24	+03 14 42.7		9 675
1993 QH ₈	1993 09 21.27031	23 12 49.72	-09 27 21.1		9 675	1994 EB	1994 04 03.31215	11 52 14.46	+03 15 02.1	17.8	9 675
1993 QO ₈	1993 09 21.23420	23 07 14.70	-10 11 07.7		9 675	1994 EJ ₁	1994 03 14.41024	12 40 54.30	-01 36 02.7	16.8	9 675
1993 QO ₈	1993 09 21.27031	23 07 12.65	-10 11 18.0		9 675	1994 EJ ₁	1994 03 14.46406	12 40 52.11	-01 35 20.7		9 675
1993 QW ₈	1993 07 26.47865	23 48 45.72	-06 47 14.9		9 675	1994 EQ ₁	1994 03 14.41024	12 41 50.25	-03 18 16.5	17.8	9 675
1993 QA ₉	1993 09 21.23420	23 12 15.15	-08 10 31.1		9 675	1994 EQ ₁	1994 03 14.46406	12 41 47.43	-03 17 50.4		9 675
1993 QA ₉	1993 09 21.27031	23 12 13.45	-08 10 42.6		9 675	1994 EH ₂	1988 09 10.38542	00 19 43.01	-07 55 40.9	17.8	9 675
1993 QE ₉	1993 09 21.23420	23 15 43.94	-08 46 01.3		9 675	1994 EH ₂	1988 09 10.41528	00 19 41.39	-07 55 53.6		9 675
1993 QE ₉	1993 09 21.27031	23 15 42.06	-08 46 21.7		9 675	1994 EO ₂	1994 03 14.41024	12 24 41.29	+01 12 05.0	17.2	9 675
1993 QJ ₉	1993 07 26.43611	23 46 40.04	-04 57 42.7	18.8	9 675	1994 EO ₂	1994 03 14.46406	12 24 36.26	+01 11 53.0		9 675
1993 QJ ₉	1993 07 26.47865	23 46 40.12	-04 57 45.0		9 675	1994 EO ₂	1994 04 03.27242	11 55 23.89	-00 01 56.5	17.2	9 675
1993 QY ₉	1993 09 21.23420	23 17 20.77	-10 22 12.1		9 675	1994 EO ₂	1994 04 03.31215	11 55 20.63	-00 02 06.7		9 675
1993 QY ₉	1993 09 21.27031	23 17 18.87	-10 22 28.7		9 675	1994 EG ₆	1992 11 27.28142	03 24 08.69	+08 26 22.6	18.5	9 675
1993 RA ₂	1993 09 21.30747	23 49 06.17	-03 15 06.6	16.2	9 675	1994 EG ₆	1992 11 27.31597	03 24 06.62	+08 26 23.4		9 675
1993 RA ₂	1993 09 21.34497	23 49 04.79	-03 15 26.5		9 675	1994 EH ₇	1990 04 01.38160	12 55 15.03	-07 13 14.8	16.8	9 675
1993 SP ₂	1993 09 21.30747	23 47 23.44	-04 13 04.7	17.8	9 675	1994 EH ₇	1990 04 01.40660	12 55 13.46	-07 13 14.3		9 675
1993 SP ₂	1993 09 21.34497	23 47 21.60	-04 13 22.3		9 675	1994 FP	1994 04 03.27242	11 56 06.68	+01 17 13.1		9 675
1993 SK ₃	1989 01 08.42361	08 36 56.54	+19 20 26.6		9 675	1994 FP	1994 04 03.31215	11 56 03.41	+01 17 01.3	18.2	9 675
1993 SK ₃	1989 01 08.45990	08 36 54.77	+19 20 32.2	17.2	9 675	1994 FY	1992 10 21.41493	03 07 53.76	+17 30 19.4	18.5	9 675
1993 SW ₃	1989 05 07.29948	14 26 51.05	-11 49 22.5	17.8	9 675	1994 FY	1992 10 21.44306	03 07 52.10	+17 30 20.2		9 675
1993 SW ₃	1989 05 07.33403	14 26 48.56	-11 49 16.3		9 675	1994 GF	1992 10 21.45729	03 12 56.01	+11 59 20.1		9 675
1993 SO ₄	1993 09 21.23420	23 02 53.18	-07 57 39.6	18.0	9 675	1994 GF	1992 11 30.32760	02 33 16.86	+09 47 31.8		9 675
1993 SO ₄	1993 09 21.27031	23 02 51.57	-07 57 54.2		9 675	1994 GF	1992 11 30.36007	02 33 15.24	+09 47 29.5		9 675
1993 ST ₄	1993 09 21.27031	23 05 32.55	-07 33 26.7	18.0	9 675	1994 GA ₁	1988 09 10.38542	00 36 12.26	-06 10 35.2	17.5	9 675

1994 GA ₁	1988 09 10.41528	00 36 10.63	-06 10 47.7		9 675	1994 VM ₆	1994 11 05.36597	03 33 40.88	+21 37 14.6		9 675
1994 GF ₉	1994 03 14.41024	12 29 56.47	-01 00 01.7	16.8	9 675	1994 VM ₆	1994 11 05.39687	03 33 39.30	+21 37 00.5	16.5	9 675
1994 GF ₉	1994 03 14.46406	12 29 53.62	-00 59 48.2		9 675	1994 VB ₇	1994 11 05.36597	03 50 23.98	+19 20 38.8		9 675
1994 GF ₉	1994 04 03.27242	12 11 48.94	+00 23 43.5	17.0	9 675	1994 VB ₇	1994 11 05.39687	03 50 22.38	+19 20 30.3		9 675
1994 GF ₉	1994 04 03.31215	12 11 46.67	+00 23 53.2		9 675	1994 VB ₇	1994 11 28.27708	03 29 10.31	+17 20 49.9	17.2	9 675
1994 GL ₉	1992 10 21.41493	03 29 52.64	+19 00 55.8		9 675	1994 VB ₇	1994 11 28.31979	03 29 07.83	+17 20 35.9		9 675
1994 GL ₉	1992 10 21.44306	03 29 51.41	+19 00 49.6		9 675	1994 VC ₇	1994 11 05.36597	03 49 40.13	+21 04 42.1		9 675
1994 NW ₁	1989 01 08.42361	08 43 41.68	+15 53 54.1	17.2	9 675	1994 VC ₇	1994 11 05.39687	03 49 38.77	+21 04 42.7		9 675
1994 NW ₁	1989 01 08.45990	08 43 39.93	+15 54 06.2		9 675	1994 VC ₇	1994 11 28.27708	03 32 28.58	+21 03 42.5	17.2	9 675
1994 PB	1951 09 09.28125	22 42 36.69	+02 53 47.4	17.8	6 675	1994 VC ₇	1994 11 28.31979	03 32 26.66	+21 03 42.4		9 675
1994 PB	1951 09 09.30833	22 42 35.41	+02 53 37.2		6 675	1994 VD ₇	1994 11 05.36597	03 50 51.70	+20 16 24.7		9 675
1994 PC ₁₅	1993 03 23.27813	12 21 25.03	+07 29 44.9	18.0	9 675	1994 VD ₇	1994 11 05.39687	03 50 50.29	+20 16 13.2		9 675
1994 PC ₁₅	1993 03 23.31516	12 21 23.26	+07 30 12.2		9 675	1994 VD ₇	1994 11 28.27708	03 32 30.02	+17 18 02.6	17.8	9 675
1994 RQ	1989 05 07.33403	14 18 20.97	-13 57 53.1		9 675	1994 VD ₇	1994 11 28.31979	03 32 28.01	+17 17 42.9		9 675
1994 RT ₁	1994 09 07.38854	23 28 15.60	-03 16 12.2	17.0	9 675	1994 WH ₃	1993 08 13.22865	20 40 25.29	-19 27 02.6	17.5	9 675
1994 RT ₁	1994 09 07.41944	23 28 14.79	-03 16 57.2		9 675	1994 WT ₃	1994 11 28.27708	04 00 51.18	+20 32 32.8		9 675
1994 RT ₁	1994 09 12.33958	23 26 23.08	-05 18 20.1	16.5	9 675	1994 WT ₃	1994 11 28.31979	04 00 49.25	+20 32 08.8	16.0	9 675
1994 RT ₁	1994 09 12.37065	23 26 22.27	-05 19 05.0		9 675	1994 WQ ₁₂	1994 11 05.36597	03 53 24.32	+18 13 28.0		9 675
1994 TU ₁	1994 10 01.37378	02 10 10.67	+23 24 09.4		9 675	1994 WQ ₁₂	1994 11 05.39687	03 53 22.91	+18 13 23.6	17.8	9 675
1994 TU ₁	1994 10 01.40191	02 10 09.32	+23 24 10.0		9 675	1994 WQ ₁₂	1994 11 28.27708	03 34 34.10	+17 07 15.4	17.2	9 675
1994 TX ₂	1988 05 10.37569	16 12 53.55	-13 09 00.0	18.0	9 675	1994 WQ ₁₂	1994 11 28.31979	03 34 31.96	+17 07 08.6		9 675
1994 TX ₂	1988 05 10.40608	16 12 51.98	-13 08 49.8		9 675	1994 XC ₄	1994 11 28.27708	03 44 17.18	+15 45 32.0		9 675
1994 TX ₂	1989 08 30.27656	21 52 08.99	+01 41 15.4		9 675	1994 XC ₄	1994 11 28.31979	03 44 14.88	+15 45 09.2		9 675
1994 TX ₂	1989 08 30.31233	21 52 07.34	+01 41 00.7		9 675	1994 YV ₁	1993 07 21.38976	22 22 35.71	-21 30 43.1	18.2	9 675
1994 TM ₁₄	1989 05 07.29948	14 26 27.03	-10 15 48.9	17.8	9 675	1994 YV ₁	1993 07 21.42465	22 22 34.64	-21 30 56.5		9 675
1994 TM ₁₄	1989 05 07.33403	14 26 25.16	-10 15 32.6		9 675	1994 YV ₁	1993 08 15.30000	22 02 48.07	-24 35 40.7	18.0	9 675
1994 UH	1994 11 28.27708	03 35 58.74	+15 33 26.3		9 675	1994 YV ₁	1993 08 15.32726	22 02 46.33	-24 35 50.9		9 675
1994 UH	1994 11 28.31979	03 35 56.03	+15 33 20.3		9 675	1994 YW ₁	1988 11 09.42743	03 46 56.65	+32 55 39.4	18.0	9 675
1994 UJ	1994 11 28.27708	03 32 03.19	+17 45 36.2	17.2	9 675	1994 YW ₁	1988 11 09.45833	03 46 54.89	+32 55 34.9		9 675
1994 UJ	1994 11 28.31979	03 32 00.39	+17 45 35.2		9 675	1994 YA ₂	1993 08 14.40139	23 36 23.62	-15 35 56.4	17.5	9 675
1994 UL	1994 11 05.36597	03 59 49.21	+18 14 04.5		9 675	1994 YA ₂	1993 08 14.42899	23 36 22.28	-15 35 55.1		9 675
1994 UL	1994 11 05.39687	03 59 47.54	+18 14 10.5		9 675	1994 YA ₂	1993 09 21.27031	22 55 36.63	-14 58 16.6		9 675
1994 UL	1994 11 28.27708	03 36 40.67	+19 08 22.9	17.5	9 675	1995 AN	1988 09 10.24705	22 24 38.30	-12 22 32.3	16.8	9 675
1994 UL	1994 11 28.31979	03 36 38.02	+19 08 28.7		9 675	1995 AN	1988 09 10.28420	22 24 35.00	-12 22 22.0		9 675
1994 UO	1994 11 28.27708	03 41 19.50	+15 10 54.5		9 675	1995 AA ₁	1993 07 25.31372	21 18 42.66	-18 15 31.9	18.5	9 675
1994 UO	1994 11 28.31979	03 41 17.18	+15 10 47.3		9 675	1995 AA ₁	1993 07 25.34244	21 18 41.03	-18 15 45.1		9 675
1994 UQ	1994 11 28.27708	03 39 32.16	+18 52 44.1	17.5	9 675	1995 AA ₁	1993 08 13.22865	21 00 37.94	-20 34 03.6	18.5	9 675
1994 UQ	1994 11 28.31979	03 39 29.45	+18 52 44.5		9 675	1995 AA ₁	1993 08 13.25729	21 00 36.13	-20 34 14.4		9 675
1994 UR	1994 11 28.27708	03 43 39.95	+16 57 05.0	18.2	9 675	1995 BC	1988 09 10.38542	00 34 09.45	-01 13 13.0	17.8	9 675
1994 UR	1994 11 28.31979	03 43 37.24	+16 57 04.5		9 675	1995 BC	1988 09 10.41528	00 34 08.26	-01 13 24.1		9 675
1994 UT	1994 10 01.37378	01 59 21.90	+20 37 54.7	17.5	9 675	1995 BC	1993 09 21.30747	23 53 58.74	-05 32 50.4	17.5	9 675
1994 UT	1994 10 01.40191	01 59 20.82	+20 37 50.9		9 675	1995 BC	1993 09 21.34497	23 53 56.98	-05 33 03.2		9 675
1994 VE ₁	1994 11 05.36597	03 41 26.20	+15 46 57.0	17.2	9 675	1995 BP ₁	1989 11 02.39774	03 06 42.54	-03 33 54.4		9 675
1994 VE ₁	1994 11 05.39687	03 41 24.43	+15 46 49.3		9 675	1995 BP ₁	1989 11 02.43507	03 06 40.24	-03 33 48.3		9 675
1994 VH ₁	1994 11 05.36597	03 43 29.93	+15 50 43.5		9 675	1995 BP ₁	1989 11 25.29878	02 45 27.93	-01 06 37.0	16.2	9 675
1994 VH ₁	1994 11 05.39687	03 43 28.21	+15 50 40.6	17.5	9 675	1995 BP ₁	1989 11 25.32917	02 45 26.50	-01 06 20.7		9 675
1994 VK ₁	1994 11 05.36597	03 45 57.31	+17 14 08.5		9 675	1995 BG ₂	1993 09 21.30747	23 46 03.60	-06 34 10.2		9 675
1994 VK ₁	1994 11 05.39687	03 45 55.49	+17 13 57.8	17.8	9 675	1995 BG ₂	1993 09 21.34497	23 46 01.41	-06 34 25.0		9 675
1994 VV ₂	1994 11 28.27708	03 54 32.87	+16 57 24.1	16.5	9 675	1995 BQ ₃	1993 09 21.23420	22 55 37.29	-12 14 02.0	17.2	9 675
1994 VV ₂	1994 11 28.31979	03 54 30.18	+16 57 29.4		9 675	1995 BQ ₃	1993 09 21.27031	22 55 35.66	-12 14 20.6		9 675
1994 VW ₂	1994 11 28.27708	03 59 29.50	+17 54 45.9		9 675	1995 CY	1993 08 14.40139	23 11 40.68	-15 53 59.0	17.2	9 675
1994 VW ₂	1994 11 28.31979	03 59 26.98	+17 54 52.2	16.8	9 675	1995 CY	1993 08 14.42899	23 11 39.72	-15 54 12.4		9 675

1995 CO ₁	1993 09 21.23420	23 00 41.51	-11 44 55.4		9 675	1995 SX ₃	1992 11 28.27604	03 07 41.30	+15 36 49.2	18.0	9 675
1995 CO ₁	1993 09 21.27031	23 00 39.53	-11 45 03.2	17.8	9 675	1995 SM ₂₁	1988 09 10.24705	22 28 10.58	-12 13 20.6	17.8	9 675
1995 DK	1993 11 16.38785	03 43 03.00	+05 00 08.9	18.2	9 675	1995 SM ₂₁	1988 09 10.28420	22 28 08.35	-12 13 21.2		9 675
1995 DK	1993 11 16.41632	03 43 01.34	+05 00 01.1		9 675	1995 SO ₅₄	1988 09 10.38542	00 23 08.06	-03 06 29.9	17.0	9 675
1995 DZ	1993 09 21.30747	23 50 02.34	-06 27 01.6		9 675	1995 SO ₅₄	1988 09 10.41528	00 23 06.79	-03 06 43.4		9 675
1995 DZ	1993 09 21.34497	23 49 59.99	-06 27 12.1	17.0	9 675	1995 TS	1991 08 08.42483	23 23 39.96	-04 25 04.8	17.2	9 675
1995 EQ ₁	1989 01 08.42361	08 46 41.30	+19 51 44.2	18.2	9 675	1995 TS	1991 08 08.45660	23 23 39.38	-04 25 06.7		9 675
1995 EQ ₁	1989 01 08.45990	08 46 39.69	+19 51 53.0		9 675	1995 UO ₂	1988 09 10.38542	00 08 32.03	-05 43 33.9	18.5	9 675
1995 FX ₁₄	1992 08 24.27813	22 21 49.12	-19 02 33.3	18.0	9 675	1995 UO ₂	1988 09 10.41528	00 08 30.25	-05 43 37.9		9 675
1995 FX ₁₄	1992 08 24.31389	22 21 47.18	-19 02 46.0		9 675	1995 UU ₄	1989 08 02.37951	22 05 10.61	+03 53 18.8	17.2	9 675
1995 HC	1949 11 19.25833	03 21 45.40	+14 58 57.0	17.8	6 675	1995 UU ₄	1989 08 02.40955	22 05 09.48	+03 53 16.2		9 675
1995 HC	1949 11 19.28646	03 21 43.56	+14 58 49.2		6 675	1995 UU ₄	1989 08 30.27656	21 45 11.18	+02 14 35.0		9 675
1995 MG ₁	1992 10 22.37257	03 43 18.98	+03 40 10.2	16.5	9 675	1995 UU ₄	1989 08 30.31233	21 45 09.62	+02 14 20.9		9 675
1995 MG ₁	1992 10 22.40521	03 43 18.22	+03 39 52.4		9 675	1995 UB ₇	1953 10 10.47674	04 10 14.71	+12 43 00.9		6 675
1995 OK	1992 10 26.43003	03 34 32.09	+06 37 21.5	18.8	9 675	1995 UB ₇	1953 10 10.50000	04 10 14.55	+12 42 48.9	18.0	6 675
1995 OK	1992 10 26.47153	03 34 29.76	+06 37 11.6		9 675	1995 VP ₁	1988 10 09.37135	01 48 03.89	-02 11 47.6	15.5	9 675
1995 OT	1992 10 21.41493	02 55 56.62	+17 27 50.8		9 675	1995 VP ₁	1988 10 09.40260	01 48 02.17	-02 11 52.9		9 675
1995 OT	1992 10 21.44306	02 55 54.74	+17 27 46.1		9 675	1995 VP ₁	1988 11 04.25017	01 26 18.31	-02 21 43.3	17.0	9 675
1995 OA ₂	1989 05 07.29948	14 14 36.35	-12 43 43.5	17.5	9 675	1995 VP ₁	1988 11 04.28073	01 26 16.97	-02 21 38.5		9 675
1995 OA ₂	1989 05 07.33403	14 14 34.80	-12 43 27.1		9 675	1995 VL ₂	1951 09 09.28125	22 40 05.04	-01 36 06.4	17.8	6 675
1995 QN	1992 10 21.42847	03 27 53.11	+12 41 16.0	18.0	9 675	1995 VL ₂	1951 09 09.30833	22 40 03.52	-01 36 14.8		6 675
1995 QN	1992 10 21.45729	03 27 51.59	+12 41 06.9		9 675	1995 WN	1991 08 06.34201	22 38 27.72	-17 31 09.1		9 675
1995 QN	1992 11 30.32760	02 48 41.42	+09 43 17.1	17.8	9 675	1995 WN	1991 08 06.37951	22 38 26.31	-17 31 27.1	18.0	9 675
1995 QN	1992 11 30.36007	02 48 39.92	+09 43 13.5		9 675	1995 WO ₃	1991 08 08.42483	23 32 42.79	+00 07 35.7		9 675
1995 QG ₂	1992 10 21.42847	03 32 55.72	+13 04 35.7	18.0	9 675	1995 WO ₃	1991 08 08.45660	23 32 42.35	+00 07 36.7		9 675
1995 QG ₂	1992 10 21.45729	03 32 54.25	+13 04 33.5		9 675	1995 WX ₃	1994 09 12.33455	23 35 00.69	-14 21 35.5	17.2	9 675
1995 QG ₂	1992 11 28.27604	02 54 58.18	+12 07 11.2	18.0	9 675	1995 WX ₃	1994 09 12.36667	23 34 58.84	-14 21 41.0		9 675
1995 QG ₂	1992 11 28.30990	02 54 56.29	+12 07 10.1		9 675	1995 WB ₆	1953 10 10.47674	03 55 36.02	+13 10 12.0		6 675
1995 QM ₂	1989 03 07.46701	12 53 49.06	+01 10 37.3		9 675	1995 WB ₆	1953 10 10.50000	03 55 35.54	+13 10 06.3	18.2	6 675
1995 QM ₂	1989 03 07.49540	12 53 48.04	+01 10 47.3		9 675	1995 WS ₇	1990 04 01.38160	12 51 57.59	-03 15 58.8	17.0	9 675
1995 QM ₂	1989 03 29.31615	12 37 58.76	+03 14 50.1		9 675	1995 WS ₇	1990 04 01.40660	12 51 56.15	-03 15 50.0		9 675
1995 QM ₂	1989 03 29.34497	12 37 57.26	+03 14 59.6		9 675	1995 WA ₈	1988 09 10.24705	22 13 43.46	-15 07 22.4	17.8	9 675
1995 QU ₃	1991 02 07.21753	07 26 13.76	+19 08 43.1	17.8	9 675	1995 WA ₈	1988 09 10.28420	22 13 41.12	-15 07 24.7		9 675
1995 QU ₃	1991 02 07.24896	07 26 12.26	+19 08 29.4		9 675	1995 XE ₁	1989 11 04.42274	03 45 33.50	+16 44 41.3		9 675
1995 SX	1994 03 14.41024	12 26 21.49	-04 55 02.3	19.0	9 675	1995 XE ₁	1989 11 04.45694	03 45 31.86	+16 44 39.7	16.8	9 675
1995 SX	1994 04 03.27242	12 09 11.37	-02 22 06.8	18.8	9 675	1995 XR ₁	1988 10 09.37135	01 43 11.13	-05 38 16.4	15.0	9 675
1995 SX	1994 04 03.31215	12 09 09.13	-02 21 48.2		9 675	1995 XR ₁	1988 10 09.40260	01 43 09.23	-05 38 21.5		9 675
1995 SR ₁	1989 08 02.37951	22 11 52.57	-00 07 06.2		9 675	1995 XR ₁	1988 11 04.25017	01 20 32.32	-05 25 06.3	15.8	9 675
1995 SR ₁	1989 08 02.40955	22 11 51.05	-00 07 00.3	16.8	9 675	1995 XR ₁	1988 11 04.28073	01 20 31.14	-05 24 57.6		9 675
1995 SR ₁	1989 08 30.27656	21 45 59.48	+00 43 34.9	16.5	9 675	1995 YA	1994 09 12.33455	23 19 35.10	-16 26 30.9	17.8	9 675
1995 SR ₁	1989 08 30.31233	21 45 57.49	+00 43 36.3		9 675	1995 YA	1994 09 12.36667	23 19 33.55	-16 26 40.3		9 675
1995 SR ₁	1992 02 05.23038	07 08 09.23	+34 35 21.5	17.2	9 675	1995 YL ₁	1953 09 07.25451	21 21 41.03	-10 04 38.9		6 675
1995 SR ₁	1992 02 05.26806	07 08 07.35	+34 35 06.0		9 675	1995 YL ₁	1953 09 07.27778	21 21 40.18	-10 04 41.9	17.0	6 675
1995 SY ₂	1992 10 21.41493	03 21 06.05	+17 19 02.2		9 675	1995 YC ₃	1991 03 18.17569	09 27 44.78	+18 01 06.3	17.0	2 675
1995 SY ₂	1992 10 21.44306	03 21 04.71	+17 18 58.2	17.5	9 675	1995 YC ₃	1991 03 18.19861	09 27 44.64	+18 01 07.4		2 675
1995 SY ₂	1992 11 27.21007	02 45 43.39	+15 09 44.0	17.2	9 675	1996 AE ₄	1949 11 19.25833	03 25 38.92	+14 43 09.7	17.2	6 675
1995 SY ₂	1992 11 27.24115	02 45 41.92	+15 09 39.2		9 675	1996 AE ₄	1949 11 19.28646	03 25 37.53	+14 43 05.3		6 675
1995 SN ₃	1994 03 14.41024	12 17 00.79	-05 24 17.0	18.2	9 675	1996 AN ₁₅	1994 09 12.33455	23 34 30.42	-11 36 40.6	18.8	9 675
1995 SN ₃	1994 04 03.27242	11 56 31.90	-03 59 01.6	18.2	9 675	1996 AN ₁₅	1994 09 12.36667	23 34 28.53	-11 36 55.4	17.8	9 675
1995 SN ₃	1994 04 03.31215	11 56 29.36	-03 58 52.6		9 675	1996 BD ₁	1992 02 05.23038	07 06 01.17	+32 46 06.3	17.2	9 675
1995 SX ₃	1992 10 25.42760	03 43 30.02	+19 08 20.8	18.0	9 675	1996 BD ₁	1992 02 05.26806	07 05 58.43	+32 45 46.1		9 675
1995 SX ₃	1992 10 25.46094	03 43 28.28	+19 08 09.4		9 675	1996 BS ₁	1993 05 21.21979	13 55 40.48	-12 57 38.6	17.8	9 675

1996 BW ₁	1988 10 09.37135	01 44 58.25	-02 39 06.9	16.8	9 675	1996 HD ₁	1993 10 10.13420	22 10 16.03	-23 16 08.0	18.2	9 675
1996 BW ₁	1988 10 09.40260	01 44 56.75	-02 39 15.3		9 675	1996 HD ₁	1993 10 10.17373	22 10 16.42	-23 15 54.9		9 675
1996 BW ₁	1988 11 04.25017	01 25 16.21	-04 05 27.6	17.2	9 675	1996 HD ₁₃	1989 05 07.29948	14 24 56.04	-11 17 19.1	18.5	9 675
1996 BW ₁	1988 11 04.28073	01 25 14.99	-04 05 29.8		9 675	1996 HD ₁₃	1989 05 07.33403	14 24 53.99	-11 17 05.6		9 675
1996 CL	1994 09 10.33056	00 13 41.94	-08 34 54.9	17.0	9 675	1996 NL ₁	1989 06 29.31059	18 40 19.05	-24 34 53.8	16.5	2 675
1996 CL	1994 09 10.35990	00 13 40.53	-08 35 07.3		9 675	1996 NL ₁	1989 06 29.34132	18 40 16.84	-24 34 50.9		2 675
1996 CG ₁	1993 07 26.43611	00 07 48.59	-05 12 39.2	18.0	9 675	1996 NL ₁	1989 07 01.33976	18 38 02.90	-24 33 30.4		2 675
1996 CG ₁	1993 07 26.47865	00 07 48.54	-05 12 41.9		9 675	1996 NL ₁	1989 07 01.36146	18 38 01.33	-24 33 29.7		2 675
1996 CK ₂	1988 09 10.38542	00 21 54.36	-02 21 51.9	18.5	9 675	1996 PD	1992 10 22.37257	03 37 42.10	+03 35 35.4	17.8	9 675
1996 CK ₂	1988 09 10.41528	00 21 52.94	-02 21 56.9		9 675	1996 PD	1992 10 22.40521	03 37 40.57	+03 35 27.8		9 675
1996 CK ₂	1991 04 16.16354	11 15 48.96	+09 22 07.5	17.8	9 675	1996 PD	1992 10 26.43003	03 34 37.24	+03 20 35.1	17.8	9 675
1996 CK ₂	1991 04 16.19306	11 15 48.17	+09 22 04.4		9 675	1996 PD	1992 10 26.47153	03 34 35.22	+03 20 25.1		9 675
1996 CK ₂	1993 08 14.40139	23 23 17.71	-14 31 38.3	18.5	9 675	1996 PE	1992 10 21.42847	03 36 36.82	+13 02 16.8	18.5	9 675
1996 CK ₂	1993 08 14.42899	23 23 16.53	-14 31 43.1		9 675	1996 PE	1992 10 21.45729	03 36 35.77	+13 02 12.0		9 675
1996 CN ₂	1988 10 09.37135	01 33 02.58	-01 30 37.4	16.5	9 675	1996 PE	1992 11 28.27604	03 04 15.17	+11 34 02.0	18.5	9 675
1996 CN ₂	1988 10 09.40260	01 33 01.25	-01 30 49.5		9 675	1996 PE	1992 11 28.30990	03 04 13.51	+11 34 00.9		9 675
1996 CN ₂	1988 11 04.25017	01 15 42.22	-03 49 33.0	16.8	9 675	1996 PM ₄	1989 05 07.29948	14 27 36.91	-14 54 18.6	17.8	9 675
1996 CN ₂	1988 11 04.28073	01 15 41.14	-03 49 38.8		9 675	1996 PM ₄	1989 05 07.33403	14 27 35.23	-14 54 10.9		9 675
1996 CW ₂	1988 11 09.42743	04 16 39.66	+33 48 26.4	18.8	9 675	1996 RS ₅	1989 03 29.31615	12 12 08.47	+03 17 26.2	17.8	9 675
1996 CW ₂	1988 11 09.45833	04 16 38.15	+33 48 25.5		9 675	1996 RS ₅	1989 03 29.34497	12 12 06.97	+03 17 30.8		9 675
1996 CW ₂	1993 10 14.29514	00 20 47.35	+09 01 24.2	17.8	9 675	1996 SG ₄	1989 01 08.42361	08 39 24.79	+15 59 28.9	18.5	9 675
1996 CW ₂	1993 10 14.33194	00 20 45.55	+09 01 17.3	18.5	9 675	1996 SG ₄	1989 01 08.45990	08 39 22.76	+15 59 31.3		9 675
1996 CX ₇	1993 03 23.27813	12 23 08.07	+06 39 02.7	18.2	9 675	1996 TP ₁	1992 08 24.27813	22 00 58.77	-17 58 53.0		9 675
1996 CX ₇	1993 03 23.31516	12 23 05.87	+06 39 20.1		9 675	1996 TP ₁	1992 08 24.31389	22 00 56.50	-17 59 00.9		9 675
1996 CV ₈	1993 05 21.21979	13 58 34.82	-12 40 41.1	17.2	9 675	1996 TA ₁₁	1992 08 24.27813	22 16 02.17	-16 25 58.9	16.0	9 675
1996 CV ₈	1993 05 21.25347	13 58 33.13	-12 40 37.9		9 675	1996 TA ₁₁	1992 08 24.31389	22 16 00.39	-16 26 14.2		9 675
1996 DK	1991 05 18.33056	15 15 15.84	-14 48 06.1		9 675	1996 TT ₁₁	1992 11 27.21007	02 59 43.23	+15 26 34.9		9 675
1996 DK	1994 11 05.36597	03 55 32.47	+17 18 41.2		9 675	1996 TT ₁₁	1992 11 27.24115	02 59 41.83	+15 26 28.1	18.5	9 675
1996 DK	1994 11 05.39687	03 55 31.10	+17 18 37.4		9 675	1996 TU ₁₃	1988 11 09.34132	03 00 11.43	+28 17 07.2	18.0	9 675
1996 DK	1994 11 28.27708	03 37 06.72	+16 16 50.5		9 675	1996 TU ₁₃	1988 11 09.38924	03 00 08.19	+28 17 06.0		9 675
1996 DK	1994 11 28.31979	03 37 04.62	+16 16 44.4	18.2	9 675	1996 TR ₁₄	1989 04 01.41354	14 33 03.89	-15 28 31.0	18.0	9 675
1996 DP	1994 11 28.27708	04 00 36.75	+18 38 23.1	18.5	9 675	1996 TR ₁₄	1989 04 01.45399	14 33 02.54	-15 28 30.0		9 675
1996 DP	1994 11 28.31979	04 00 34.25	+18 38 17.3		9 675	1996 TR ₁₄	1989 05 07.29948	14 04 45.85	-14 35 42.1	17.8	9 675
1996 DZ	1993 08 13.22865	21 06 36.92	-19 14 59.1	16.8	9 675	1996 TR ₁₄	1989 05 07.33403	14 04 44.00	-14 35 37.0		9 675
1996 DZ	1993 08 13.25729	21 06 35.19	-19 15 07.5		9 675	1996 TK ₁₅	1992 10 26.47708	04 04 50.42	+08 24 57.8		9 675
1996 DJ ₁	1989 11 04.42274	03 33 28.88	+20 28 48.4		9 675	1996 TK ₁₅	1992 10 26.51059	04 04 49.12	+08 24 39.0		9 675
1996 DJ ₁	1989 11 04.45694	03 33 27.12	+20 28 43.6		9 675	1996 TK ₁₅	1992 11 27.28142	03 37 48.54	+04 19 15.8	18.2	9 675
1996 DJ ₁	1994 11 05.36597	03 56 01.86	+21 35 26.4		9 675	1996 TK ₁₅	1992 11 27.31597	03 37 46.66	+04 19 05.5		9 675
1996 DJ ₁	1994 11 05.39687	03 56 00.43	+21 35 22.9		9 675	1996 TK ₄₈	1992 10 21.42847	03 30 49.17	+14 38 57.3	17.8	9 675
1996 DW ₁	1993 04 14.17240	11 37 25.52	+07 15 08.5		9 675	1996 TK ₄₈	1992 10 21.45729	03 30 47.76	+14 38 51.5		9 675
1996 DW ₁	1993 04 14.20729	11 37 24.07	+07 15 10.5	17.8	9 675	1996 TK ₄₈	1992 11 27.21007	02 57 12.27	+12 23 15.6		9 675
1996 DL ₂	1993 07 26.43611	23 51 48.65	-05 20 18.9	18.5	9 675	1996 TK ₄₈	1992 11 27.24115	02 57 10.70	+12 23 11.4		9 675
1996 DL ₂	1993 07 26.47865	23 51 48.53	-05 20 24.0		9 675	1996 TK ₄₈	1992 11 28.27604	02 56 23.52	+12 20 48.1	18.5	9 675
1996 DL ₂	1993 09 21.23420	23 21 46.34	-09 35 19.4	18.0	9 675	1996 TK ₄₈	1992 11 28.30990	02 56 21.95	+12 20 43.2		9 675
1996 EA	1994 11 28.27708	03 50 30.34	+18 46 40.1		9 675	1996 UG	1989 11 04.42274	03 40 29.42	+23 02 31.8	17.2	9 675
1996 EA	1994 11 28.31979	03 50 27.44	+18 46 37.1	17.5	9 675	1996 UG	1989 11 04.45694	03 40 27.14	+23 02 40.5		9 675
1996 EJ ₁₄	1993 07 26.43611	23 44 39.95	-06 42 09.6	19.0	9 675	1996 UG	1989 11 22.38281	03 19 34.33	+23 53 07.7	16.8	9 675
1996 EJ ₁₄	1993 07 26.47865	23 44 39.43	-06 42 04.1		9 675	1996 UG	1989 11 22.41597	03 19 31.94	+23 53 10.9		9 675
1996 FO ₅	1989 04 01.41354	14 09 40.77	-14 14 11.3	17.5	9 675	1996 VJ	1992 02 05.23038	06 33 22.75	+36 05 44.9	18.5	9 675
1996 FO ₅	1989 04 01.45399	14 09 38.39	-14 14 14.0		9 675	1996 VJ	1992 02 05.26806	06 33 21.62	+36 05 41.5		9 675
1996 HD ₁	1993 07 21.38976	22 51 27.02	-19 06 22.3		9 675	1996 VJ	1993 03 23.27813	12 14 32.24	+11 50 43.4	18.8	9 675
1996 HD ₁	1993 07 21.42465	22 51 27.03	-19 06 37.3		9 675	1996 VJ	1993 03 23.31516	12 14 30.37	+11 50 51.8		9 675

1996 VD ₄	1993 04 14.17240	11 35 58.85	+05 24 02.5	9 675	1997 AC ₄	1994 04 03.27242	12 05 08.68	-02 11 35.1	17.5	9 675	
1996 VD ₄	1993 04 14.20729	11 35 57.66	+05 24 09.6	9 675	1997 AC ₄	1994 04 03.31215	12 05 06.38	-02 11 21.4		9 675	
1996 VA ₅	1992 10 21.42847	03 32 28.55	+13 25 56.4	9 675	1997 AO ₄	1993 04 14.17240	11 37 29.03	+10 09 41.2	18.0	9 675	
1996 VA ₅	1992 10 21.45729	03 32 27.43	+13 25 47.6	9 675	1997 AO ₄	1993 04 14.20729	11 37 27.90	+10 09 48.2		9 675	
1996 VA ₅	1992 11 28.27604	03 00 33.91	+09 16 36.3	19.0	9 675	1997 AU ₄	1989 05 07.29948	14 11 10.03	-13 58 42.7	18.5	9 675
1996 VA ₅	1992 11 28.30990	03 00 32.23	+09 16 26.2	9 675	1997 AU ₄	1989 05 07.33403	14 11 08.32	-13 58 33.7		9 675	
1996 VR ₇	1992 10 25.33490	02 09 20.36	+06 50 24.7	17.8	9 675	1997 AM ₅	1992 10 25.46094	03 47 19.47	+22 57 56.5	17.8	9 675
1996 VR ₇	1992 10 25.37014	02 09 18.18	+06 50 18.3	9 675	1997 AH ₇	1992 10 26.47708	04 04 22.48	+08 06 52.3		9 675	
1996 VZ ₇	1988 05 10.37569	15 49 28.03	-14 17 01.9	17.5	9 675	1997 AH ₇	1992 10 26.51059	04 04 21.09	+08 06 40.7		9 675
1996 VZ ₇	1988 05 10.40608	15 49 26.13	-14 16 55.4	9 675	1997 AH ₇	1992 11 27.28142	03 36 21.42	+05 44 39.8	17.2	9 675	
1996 VG ₈	1989 08 02.37951	22 09 55.88	-00 02 58.1	15.8	9 675	1997 AH ₇	1992 11 27.31597	03 36 19.39	+05 44 35.6		9 675
1996 VG ₈	1989 08 02.40955	22 09 54.46	-00 02 55.6	9 675	1997 AJ ₁₃	1988 11 09.34132	02 42 06.49	+28 58 14.0	17.2	9 675	
1996 VG ₈	1989 08 30.27656	21 45 35.12	-01 01 09.2	15.5	9 675	1997 AJ ₁₃	1988 11 09.38924	02 42 03.08	+28 58 08.2		9 675
1996 VG ₈	1989 08 30.31233	21 45 33.28	-01 01 19.1	9 675	1997 AM ₁₉	1994 03 14.41024	12 21 22.61	+01 00 42.4	18.0	9 675	
1996 VF ₉	1992 08 24.27813	22 02 32.41	-15 47 43.9	17.0	9 675	1997 AM ₁₉	1994 03 14.46406	12 21 19.84	+01 01 07.1		9 675
1996 VF ₉	1992 08 24.31389	22 02 30.40	-15 48 00.1	9 675	1997 AP ₂₁	1989 11 04.42274	03 38 59.90	+18 56 20.1		9 675	
1996 VF ₃₀	1989 03 29.31615	12 12 56.23	+02 59 37.6	9 675	1997 AP ₂₁	1989 11 04.45694	03 38 57.78	+18 56 17.7		9 675	
1996 VH ₃₀	1992 10 25.33490	02 10 33.58	+08 12 38.1	17.0	9 675	1997 AP ₂₁	1994 03 14.41024	12 37 24.46	-00 41 39.5	18.2	9 675
1996 VH ₃₀	1992 10 25.37014	02 10 31.28	+08 12 34.3	9 675	2103 P-L	1989 05 07.29948	14 08 12.99	-12 49 33.1	17.5	9 675	
1996 VQ ₃₀	1989 11 04.42274	03 50 43.50	+23 25 18.9	17.2	9 675	2103 P-L	1989 05 07.33403	14 08 11.33	-12 49 19.9		9 675
1996 VQ ₃₀	1989 11 04.45694	03 50 41.32	+23 25 21.3	9 675	2561 P-L	1991 09 14.31493	23 34 16.20	-15 33 19.9	18.0	9 675	
1996 WZ	1993 03 23.27813	12 20 44.70	+12 07 06.1	18.0	9 675	2572 P-L	1993 08 13.22865	20 47 47.44	-21 47 04.7	19.5	9 675
1996 WZ	1993 03 23.31516	12 20 42.85	+12 07 13.8	9 675	2572 P-L	1993 08 13.25729	20 47 45.54	-21 47 09.7		9 675	
1996 WQ ₁	1994 03 14.41024	12 22 35.16	-03 44 03.4	16.8	9 675	2636 P-L	1988 09 10.28420	21 55 20.01	-11 38 08.7	18.0	9 675
1996 WQ ₁	1994 03 14.46406	12 22 32.52	-03 43 44.2	9 675	2777 P-L	1989 04 01.41354	14 29 49.29	-10 45 42.2	17.8	9 675	
1996 WQ ₁	1994 04 03.27242	12 06 14.36	-01 36 10.8	16.8	9 675	2777 P-L	1989 04 01.45399	14 29 47.97	-10 45 30.8		9 675
1996 WQ ₁	1994 04 03.31215	12 06 12.38	-01 35 55.4	9 675	2821 P-L	1993 09 21.30747	00 03 26.59	-03 22 12.2	17.5	9 675	
1996 WG ₃	1992 10 21.42847	03 35 43.03	+13 04 42.9	18.5	9 675	2821 P-L	1993 09 21.34497	00 03 24.89	-03 22 24.8		9 675
1996 WG ₃	1992 10 21.45729	03 35 41.90	+13 04 31.7	9 675	2825 P-L	* 1960 09 24.46184	00 44 11.97	+05 08 07.5	20.1	4 675	
1996 WG ₃	1992 11 28.27604	03 04 23.42	+08 39 29.7	18.8	9 675	2825 P-L	1960 09 26.37988	00 42 51.82	+04 59 18.3		4 675
1996 WG ₃	1992 11 28.30990	03 04 21.70	+08 39 18.8	9 675	2825 P-L	1960 09 28.43822	00 41 24.75	+04 49 41.2		4 675	
1996 XG ₁	1992 10 21.41493	03 09 16.80	+17 09 59.6	9 675	2825 P-L	1960 10 17.31529	00 28 14.62	+03 21 18.0		4 675	
1996 XG ₁	1992 10 21.44306	03 09 15.42	+17 09 51.8	17.0	9 675	2825 P-L	1960 10 22.26809	00 25 09.39	+03 00 14.5		4 675
1996 XG ₁	1992 11 27.21007	02 37 10.54	+13 58 55.6	9 675	2825 P-L	1960 10 26.35766	00 22 49.31	+02 44 10.9		4 675	
1996 XG ₁	1992 11 27.24115	02 37 09.26	+13 58 48.4	9 675	3074 P-L	1989 05 07.29948	14 23 04.31	-15 40 17.8	17.8	9 675	
1996 XH ₃₁	1992 10 25.42760	03 30 02.24	+21 21 25.2	17.2	9 675	3074 P-L	1989 05 07.33403	14 23 02.80	-15 40 03.8		9 675
1996 XH ₃₁	1992 10 25.46094	03 30 00.70	+21 21 18.7	9 675	3509 P-L	1994 09 10.33056	00 10 22.10	-09 23 41.3	17.5	9 675	
1996 YD	1994 03 14.41024	12 32 10.39	-00 03 45.0	17.2	9 675	3509 P-L	1994 09 10.35990	00 10 18.92	-09 23 30.8		9 675
1996 YD	1994 03 14.46406	12 32 07.27	-00 03 28.6	9 675	3541 P-L	1988 11 09.42743	04 16 27.85	+33 25 36.9	17.5	9 675	
1996 YD	1994 04 03.27242	12 13 00.81	+01 34 32.5	16.8	9 675	3541 P-L	1988 11 09.45833	04 16 25.99	+33 25 33.8		9 675
1996 YD	1994 04 03.31215	12 12 58.48	+01 34 44.4	9 675	4036 P-L	1994 11 28.27708	03 32 27.21	+18 47 06.4	18.2	9 675	
1996 YF	1991 05 18.36024	14 54 39.64	-11 56 26.0	9 675	4036 P-L	1994 11 28.31979	03 32 24.81	+18 46 58.6		9 675	
1996 YM	1988 09 10.38542	00 09 17.96	-06 46 34.7	17.2	9 675	4072 P-L	1992 06 28.44340	21 45 35.61	-09 04 27.8	18.2	9 675
1996 YM	1988 09 10.41528	00 09 16.57	-06 46 45.2	9 675	4077 P-L	1993 08 13.22865	20 48 48.61	-17 58 16.6	19.0	9 675	
1996 YT	1994 03 14.41024	12 31 11.63	+00 26 02.3	17.5	9 675	4077 P-L	1993 08 13.25729	20 48 46.84	-17 58 22.4		9 675
1996 YT	1994 03 14.46406	12 31 08.62	+00 26 19.3	9 675	4528 P-L	1994 11 05.36597	03 35 37.65	+16 34 54.0	17.8	9 675	
1996 YO ₂	1989 05 07.29948	14 10 44.93	-10 03 58.7	18.2	9 675	4528 P-L	1994 11 05.39687	03 35 35.82	+16 34 44.8		9 675
1996 YO ₂	1989 05 07.33403	14 10 43.28	-10 03 49.0	9 675	4593 P-L	* 1960 09 24.41183	00 32 08.40	+02 13 18.9	17.8	4 675	
1997 AV ₁	1988 11 09.42743	04 09 09.47	+33 23 10.2	17.5	9 675	4593 P-L	1960 09 26.31530	00 30 40.79	+02 02 03.8		4 675
1997 AV ₁	1988 11 09.45833	04 09 07.55	+33 23 05.8	9 675	4593 P-L	1960 09 27.40836	00 29 49.88	+01 55 35.8		4 675	
1997 AC ₄	1994 03 14.41024	12 24 21.42	-03 58 08.9	18.2	9 675	4593 P-L	1960 09 28.39725	00 29 03.80	+01 49 42.8		4 675
1997 AC ₄	1994 03 14.46406	12 24 18.38	-03 57 52.5	9 675	4593 P-L	1960 10 22.23406	00 12 19.61	-00 15 56.4		4 675	

4593 P-L	1960 10 25.25350	00 10 46.34	-00 27 28.8		4 675	6359 P-L	1960 09 26.25556	00 10 52.94	+02 41 43.3		4 675
4593 P-L	1960 10 26.31531	00 10 16.18	-00 31 11.7		4 675	6359 P-L	1960 09 26.27573	00 10 51.88	+02 41 41.4		4 675
4593 P-L	1994 11 05.36597	03 53 42.20	+16 58 28.2		9 675	6359 P-L	1960 09 28.30764	00 09 09.70	+02 38 20.6		4 675
4593 P-L	1994 11 05.39687	03 53 40.73	+16 58 23.4	18.0	9 675	6359 P-L	1960 09 28.32780	00 09 08.62	+02 38 17.6		4 675
4614 P-L	1993 09 21.30747	00 01 58.15	-02 48 19.2		9 675	6533 P-L	* 1960 09 24.35002	00 11 39.28	-01 20 35.9	18.1	4 675
4614 P-L	1993 09 21.34497	00 01 56.27	-02 48 26.5		9 675	6533 P-L	1960 09 26.28543	00 10 14.53	-01 30 11.5		4 675
4638 P-L	* 1960 09 24.41183	00 30 47.58	+01 03 52.6	19.0	4 675	6533 P-L	1960 09 27.34237	00 09 28.29	-01 35 22.4		4 675
4638 P-L	1960 09 26.31530	00 29 13.51	+00 52 34.5		4 675	6533 P-L	1960 09 28.33822	00 08 45.02	-01 40 13.5		4 675
4638 P-L	1960 09 27.40836	00 28 19.01	+00 46 06.6		4 675	6533 P-L	1960 10 17.28198	23 56 30.07	-02 58 38.5		4 675
4638 P-L	1960 09 28.39725	00 27 29.66	+00 40 14.9		4 675	6533 P-L	1960 10 22.23406	23 54 03.70	-03 13 01.2		4 675
4638 P-L	1960 10 17.28198	00 12 57.42	-00 58 57.0		4 675	6533 P-L	1960 10 25.25350	23 52 46.97	-03 20 14.5		4 675
4638 P-L	1960 10 22.23406	00 09 59.44	-01 17 57.8		4 675	6533 P-L	1960 10 26.31531	23 52 22.28	-03 22 29.5		4 675
4638 P-L	1960 10 25.25350	00 08 26.44	-01 27 32.7		4 675	6533 P-L	1993 05 21.21979	13 57 44.35	-09 08 17.2	18.5	9 675
4638 P-L	1960 10 26.31531	00 07 56.64	-01 30 33.2		4 675	6533 P-L	1993 05 21.25347	13 57 43.17	-09 08 14.5		9 675
4652 P-L	* 1960 09 24.33613	00 15 52.89	+04 05 19.8	18.7	4 675	6540 P-L	* 1960 09 24.35002	00 08 27.50	-04 07 14.4	19.1	4 675
4652 P-L	1960 09 24.41183	00 15 49.98	+04 05 05.4		4 675	6540 P-L	1960 09 26.28543	00 07 28.84	-04 11 38.9		4 675
4652 P-L	1960 09 25.32502	00 15 15.56	+04 02 24.8		4 675	6540 P-L	1960 09 27.34237	00 06 56.90	-04 14 00.8		4 675
4652 P-L	1960 09 26.27573	00 14 39.61	+03 59 35.8		4 675	6540 P-L	1960 09 28.33822	00 06 26.73	-04 16 12.6		4 675
4652 P-L	1960 09 28.32780	00 13 21.92	+03 53 28.8		4 675	6540 P-L	1960 10 17.28198	23 57 32.41	-04 50 17.2		4 675
4652 P-L	1960 10 17.27085	00 02 06.91	+02 58 10.4		4 675	6540 P-L	1960 10 22.23406	23 55 34.05	-04 55 59.9		4 675
4652 P-L	1960 10 22.22293	23 59 36.96	+02 45 32.3		4 675	6540 P-L	1960 10 25.25350	23 54 27.90	-04 58 39.9		4 675
4652 P-L	1960 10 24.35836	23 58 37.34	+02 40 29.9		4 675	6540 P-L	1960 10 26.31531	23 54 05.85	-04 59 27.5		4 675
4652 P-L	1960 10 26.32573	23 57 45.39	+02 36 08.4		4 675	6571 P-L	1993 04 14.17240	11 19 19.10	+08 45 04.4		9 675
4655 P-L	* 1960 09 24.35002	00 14 05.59	+00 04 40.0	18.3	4 675	6571 P-L	1993 04 14.20729	11 19 18.26	+08 45 06.6	17.5	9 675
4655 P-L	1960 09 24.41183	00 14 03.58	+00 04 33.6		4 675	6624 P-L	1992 10 21.41493	03 12 57.88	+16 01 30.9	18.8	9 675
4655 P-L	1960 09 26.28543	00 13 02.90	+00 01 35.9		4 675	6624 P-L	1992 10 21.44306	03 12 56.58	+16 01 27.6		9 675
4655 P-L	1960 09 27.34237	00 12 28.58	-00 00 01.9		4 675	6624 P-L	1992 11 27.21007	02 37 20.00	+14 41 53.4		9 675
4655 P-L	1960 09 28.33822	00 11 56.33	-00 01 36.3		4 675	6624 P-L	1992 11 27.24115	02 37 18.39	+14 41 51.3	18.5	9 675
4655 P-L	1960 10 17.28198	00 02 16.40	-00 27 08.0		4 675	6643 P-L	1993 08 14.40139	23 28 50.96	-11 25 40.3	17.8	9 675
4655 P-L	1960 10 22.23406	00 00 04.93	-00 31 42.2		4 675	6643 P-L	1993 08 14.42899	23 28 49.99	-11 25 45.5		9 675
4655 P-L	1960 10 25.25350	23 58 50.83	-00 33 52.9		4 675	6643 P-L	1993 09 21.23420	22 54 23.47	-13 52 38.1	17.5	9 675
4655 P-L	1960 10 26.31531	23 58 25.95	-00 34 32.9		4 675	7633 P-L	1994 11 05.36597	03 50 53.42	+15 54 16.1	18.2	9 675
4764 P-L	1988 05 10.37569	15 58 27.89	-16 57 53.9		9 675	7633 P-L	1994 11 05.39687	03 50 51.77	+15 54 11.6		9 675
4764 P-L	1988 05 10.40608	15 58 26.33	-16 57 49.1		9 675	9535 P-L	1992 10 25.33490	02 02 22.41	+04 53 02.2		9 675
5004 P-L	1992 11 30.32760	02 33 52.67	+09 10 39.7	17.5	9 675	9535 P-L	1992 10 25.37014	02 02 20.67	+04 52 48.8		9 675
5004 P-L	1992 11 30.36007	02 33 51.50	+09 10 31.8		9 675	9565 P-L	1988 09 10.38542	00 26 45.20	-02 53 32.5	17.0	9 675
6099 P-L	* 1960 09 24.33613	00 12 17.98	+03 18 02.9	18.1	4 675	9565 P-L	1988 09 10.41528	00 26 43.93	-02 53 47.4		9 675
6099 P-L	1960 09 25.32502	00 11 21.76	+03 16 01.7		4 675	9586 P-L	* 1960 10 17.22501	23 42 09.23	-08 23 46.1	20.1	4 675
6099 P-L	1960 09 26.27573	00 10 27.81	+03 14 02.0		4 675	9586 P-L	1960 10 22.16324	23 39 53.33	-08 36 34.1		4 675
6099 P-L	1960 09 28.32780	00 08 31.42	+03 09 42.3		4 675	9586 P-L	1960 10 26.27157	23 38 17.86	-08 44 41.0		4 675
6099 P-L	1960 10 17.21390	23 53 06.53	+02 35 01.3		4 675	2077 T-1	1971 03 24.37118	12 03 18.09	+03 55 34.3		4 675
6099 P-L	1960 10 17.27085	23 53 04.20	+02 34 55.8		4 675	2077 T-1	1971 03 25.24340	12 02 26.01	+04 01 12.2		4 675
6099 P-L	1960 10 22.15559	23 50 21.77	+02 30 31.3		4 675	2077 T-1	* 1971 03 25.28715	12 02 23.22	+04 01 29.5	18.1	4 675
6099 P-L	1960 10 24.18787	23 49 26.32	+02 29 32.7		4 675	2077 T-1	1971 03 26.25208	12 01 25.43	+04 07 38.7		4 675
6099 P-L	1960 10 26.26113	23 48 37.43	+02 29 05.9		4 675	2077 T-1	1971 03 27.31181	12 00 21.69	+04 14 20.0		4 675
6099 P-L	1988 08 16.38194	22 25 31.12	-14 31 43.9	18.5	9 675	2172 T-1	1971 03 24.37118	12 11 19.96	+02 36 06.5		4 675
6099 P-L	1988 08 16.41233	22 25 29.44	-14 31 47.5		9 675	2172 T-1	1971 03 25.24340	12 10 25.42	+02 41 30.6		4 675
6099 P-L	1992 08 24.27813	21 58 01.74	-17 05 30.0	18.5	9 675	2172 T-1	* 1971 03 25.28715	12 10 22.50	+02 41 46.7	19.0	4 675
6099 P-L	1992 08 24.31389	21 57 59.59	-17 05 33.2		9 675	2172 T-1	1971 03 26.25208	12 09 21.78	+02 47 41.3		4 675
6130 P-L	1949 11 19.25833	03 18 52.59	+13 30 05.5	18.0	6 675	2172 T-1	1971 03 27.31181	12 08 14.88	+02 54 05.6		4 675
6359 P-L	* 1960 09 24.31111	00 12 30.84	+02 44 54.2	19.9	4 675	2172 T-1	1971 04 02.41285	12 01 55.19	+03 29 22.5		4 675
6359 P-L	1960 09 24.33613	00 12 29.60	+02 44 50.8		4 675	2172 T-1	1971 04 16.16458	11 49 26.24	+04 31 15.9		4 675

2172 T-1	1971 04 16.25069	11 49 22.10	+04 31 33.1	4 675	1042 T-2	1989 04 01.41354	14 11 35.17	-13 39 27.3	19.2	9 675
2184 T-1	1971 03 24.37118	12 11 55.49	+02 13 04.2	4 675	1079 T-2	1994 03 14.41024	12 27 14.06	-02 42 28.9	19.0	9 675
2184 T-1	1971 03 25.24340	12 11 12.48	+02 21 13.4	4 675	1079 T-2	1994 04 03.27242	12 10 44.80	-01 07 32.4		9 675
2184 T-1	* 1971 03 25.28715	12 11 10.10	+02 21 36.9	19.6	1079 T-2	1994 04 03.31215	12 10 42.72	-01 07 21.6		9 675
2184 T-1	1971 03 26.25208	12 10 22.25	+02 30 33.4	4 675	1218 T-2	1992 10 25.42760	03 43 50.97	+18 08 43.9	18.0	9 675
2184 T-1	1971 03 27.31181	12 09 29.70	+02 40 13.6	4 675	1218 T-2	1992 10 25.46094	03 43 49.48	+18 08 38.1		9 675
2184 T-1	1971 04 02.41285	12 04 36.55	+03 33 49.2	4 675	1218 T-2	1992 11 28.27604	03 12 06.55	+16 07 25.7	18.0	9 675
2281 T-1	1973 09 30.22257	00 47 44.42	+01 29 18.4	4 675	1218 T-2	1992 11 28.30990	03 12 04.84	+16 07 21.2		9 675
2281 T-1	1973 09 30.28785	00 47 41.32	+01 28 51.7	4 675	2084 T-2	1994 04 03.27242	11 59 30.71	-00 20 54.0	17.0	9 675
3051 T-1	1955 03 24.24722	09 57 25.35	+04 20 21.4	19.0	2084 T-2	1994 04 03.31215	11 59 29.02	-00 19 51.9		9 675
3051 T-1	1955 03 24.27222	09 57 24.57	+04 20 33.8	6 675	2150 T-2	1992 10 21.42847	03 35 01.33	+09 53 31.2	17.8	9 675
3051 T-1	1971 03 24.42015	12 24 04.99	-03 56 14.3	4 675	2150 T-2	1992 10 21.45729	03 35 00.21	+09 53 16.7		9 675
3051 T-1	1971 03 25.33090	12 23 25.41	-03 49 12.8	4 675	2150 T-2	1992 10 26.43003	03 31 25.29	+09 13 13.1	18.2	9 675
3051 T-1	1971 03 26.29653	12 22 43.36	-03 41 44.5	4 675	2150 T-2	1992 10 26.47153	03 31 23.19	+09 12 53.6		9 675
3051 T-1	* 1971 03 26.33611	12 22 41.58	-03 41 25.6	18.1	2158 T-2	1973 09 19.19948	00 42 40.71	+03 27 47.6		4 675
3051 T-1	1971 03 27.33854	12 21 57.66	-03 33 34.2	4 675	2158 T-2	1973 09 19.25006	00 42 37.93	+03 27 26.2		4 675
3051 T-1	1971 04 02.40000	12 17 32.96	-02 45 58.4	4 675	2158 T-2	1973 09 20.26458	00 41 45.76	+03 19 58.6		4 675
3051 T-1	1971 04 16.18087	12 08 17.62	-01 01 42.7	4 675	2158 T-2	1973 09 24.36181	00 38 08.01	+02 49 23.2		4 675
3051 T-1	1971 04 16.26458	12 08 14.57	-01 01 05.9	4 675	2158 T-2	1973 09 24.42847	00 38 04.28	+02 48 49.8		4 675
3051 T-1	1971 05 13.17535	11 58 18.84	+01 22 52.4	18.5	2158 T-2	1973 09 25.25642	00 37 19.83	+02 42 31.8		4 675
3051 T-1	1971 05 14.20694	11 58 13.11	+01 26 13.0	4 675	2158 T-2	1973 09 25.32031	00 37 16.19	+02 42 03.0		4 675
3338 T-1	1971 03 25.33090	12 44 20.04	-02 25 59.5	4 675	2158 T-2	1973 09 29.26632	00 33 39.61	+02 12 07.4		4 675
3338 T-1	1971 03 26.29653	12 43 28.29	-02 22 17.1	4 675	2158 T-2	1973 09 29.29219	00 33 38.29	+02 11 54.3		4 675
3338 T-1	* 1971 03 26.33611	12 43 26.06	-02 22 09.2	19.4	2158 T-2	* 1973 09 29.33073	00 33 35.93	+02 11 38.0	19.6	4 675
3338 T-1	1971 03 27.33854	12 42 31.61	-02 18 15.7	4 675	2158 T-2	1973 09 29.35694	00 33 34.61	+02 11 26.1		4 675
3338 T-1	1971 04 02.42604	12 36 53.75	-01 54 46.0	4 675	2158 T-2	1973 09 30.22257	00 32 47.14	+02 04 52.2		4 675
3338 T-1	1971 04 02.43993	12 36 52.99	-01 54 46.3	4 675	2158 T-2	1973 09 30.24826	00 32 45.74	+02 04 44.6		4 675
3338 T-1	1971 04 16.21476	12 24 53.74	-01 10 10.7	4 675	2158 T-2	1973 09 30.28785	00 32 43.41	+02 04 21.4		4 675
3338 T-1	1971 04 16.27708	12 24 50.60	-01 10 03.9	4 675	2158 T-2	1973 09 30.31476	00 32 41.79	+02 04 15.3		4 675
4155 T-1	1989 03 29.31615	12 31 50.19	+01 18 13.7	9 675	2158 T-2	1973 10 04.30208	00 29 04.50	+01 34 27.6		4 675
4155 T-1	1989 03 29.34497	12 31 48.72	+01 18 21.3	9 675	2158 T-2	1973 10 04.32708	00 29 02.95	+01 34 21.3		4 675
4192 T-1	1989 03 29.31615	12 20 50.72	+02 48 58.8	18.2	2158 T-2	1973 10 04.36476	00 29 01.04	+01 34 01.0		4 675
4192 T-1	1989 03 29.34497	12 20 49.04	+02 49 04.9	9 675	2158 T-2	1973 10 04.38889	00 28 59.41	+01 33 53.9		4 675
4206 T-1	1989 01 08.42361	08 42 06.89	+16 20 59.0	17.8	2158 T-2	1973 10 05.32917	00 28 09.32	+01 26 58.9		4 675
4206 T-1	1989 01 08.45990	08 42 05.11	+16 21 08.2	9 675	2158 T-2	1973 10 05.35382	00 28 07.73	+01 26 50.7		4 675
4260 T-1	1988 09 10.38542	00 15 52.07	-02 50 23.4	18.0	2158 T-2	1973 10 05.39132	00 28 05.81	+01 26 29.4		4 675
4260 T-1	1988 09 10.41528	00 15 50.79	-02 50 33.7	9 675	2158 T-2	1973 10 05.41597	00 28 04.33	+01 26 23.2		4 675
4271 T-1	1954 11 23.24861	03 15 50.30	+21 22 31.1	17.8	2272 T-2	1993 07 26.43611	00 09 56.07	-03 21 43.5	18.0	9 675
4271 T-1	1971 03 24.40486	12 38 18.27	+02 42 25.3	4 675	2272 T-2	1993 07 26.47865	00 09 56.09	-03 21 41.4		9 675
4271 T-1	1971 03 26.31007	12 36 24.42	+02 50 20.8	4 675	2291 T-2	1973 09 29.26632	00 44 35.93	+06 33 31.4		4 675
4271 T-1	* 1971 03 26.34896	12 36 22.05	+02 50 29.0	18.5	2291 T-2	* 1973 09 29.33073	00 44 32.26	+06 33 13.7	17.9	4 675
4271 T-1	1971 03 27.35208	12 35 21.43	+02 54 33.0	4 675	2291 T-2	1973 09 30.22257	00 43 42.79	+06 28 52.4		4 675
4271 T-1	1971 04 02.43993	12 29 10.55	+03 17 47.4	4 675	2291 T-2	1973 09 30.28785	00 43 38.96	+06 28 33.2		4 675
4271 T-1	1971 04 16.21476	12 16 01.38	+03 55 07.1	4 675	2291 T-2	1973 10 04.30208	00 39 51.56	+06 08 30.0		4 675
4271 T-1	1971 04 16.27708	12 15 58.06	+03 55 15.1	4 675	2291 T-2	1973 10 04.36476	00 39 47.91	+06 08 11.7		4 675
4271 T-1	1971 05 13.17535	12 01 28.46	+03 38 21.9	18.5	2291 T-2	1973 10 05.32917	00 38 52.76	+06 03 14.6		4 675
4271 T-1	1971 05 14.20694	12 01 18.73	+03 35 11.3	4 675	2291 T-2	1973 10 05.39132	00 38 49.05	+06 02 56.1		4 675
4271 T-1	1971 05 16.31510	12 01 04.57	+03 28 10.1	4 675	3297 T-2	1992 10 21.41493	03 22 43.50	+19 01 36.2		9 675
4302 T-1	1993 08 14.42899	23 29 17.14	-11 56 15.0	9 675	3297 T-2	1992 10 21.44306	03 22 42.06	+19 01 33.4		9 675
4409 T-1	1993 08 13.22865	20 54 31.14	-16 32 07.7	18.5	3297 T-2	1992 11 27.21007	02 46 09.33	+17 25 19.5		9 675
4409 T-1	1993 08 13.25729	20 54 29.77	-16 32 20.4	9 675	3297 T-2	1992 11 27.24115	02 46 07.58	+17 25 14.6	18.5	9 675
4886 T-1	1990 04 01.40660	12 55 13.11	-02 17 39.3	18.0	4041 T-2	1973 09 19.19948	00 32 11.32	+01 37 04.1		4 675

4041 T-2	1973 09 19.22500	00 32 09.93	+01 36 59.3	4 675	2426 T-3	1977 10 17.27552	01 16 35.10	+09 56 31.5	4 675
4041 T-2	1973 09 19.25006	00 32 08.67	+01 36 50.7	4 675	2426 T-3	1977 10 17.33177	01 16 31.87	+09 56 07.9	4 675
4041 T-2	1973 09 19.27865	00 32 07.24	+01 36 44.8	4 675	2426 T-3	1977 10 17.34236	01 16 31.14	+09 56 06.1	4 675
4041 T-2	1973 09 20.30278	00 31 16.67	+01 32 20.2	4 675	2426 T-3	1977 10 21.39792	01 12 46.81	+09 30 10.0	4 675
4041 T-2	1973 09 24.36181	00 27 50.62	+01 14 30.2	4 675	2426 T-3	1977 10 21.40868	01 12 46.46	+09 30 04.8	4 675
4041 T-2	1973 09 24.38750	00 27 49.14	+01 14 22.2	4 675	2426 T-3	1977 10 21.45799	01 12 43.45	+09 29 46.7	4 675
4041 T-2	1973 09 24.42847	00 27 46.90	+01 14 11.4	4 675	2426 T-3	1977 10 21.46910	01 12 43.14	+09 29 41.7	4 675
4041 T-2	1973 09 24.45434	00 27 45.78	+01 14 05.5	4 675	2426 T-3	1977 10 22.39844	01 11 52.64	+09 23 45.0	4 675
4041 T-2	1973 09 25.25642	00 27 04.63	+01 10 29.9	4 675	2426 T-3	1977 10 22.41528	01 11 51.68	+09 23 39.6	4 675
4041 T-2	1973 09 25.28125	00 27 03.09	+01 10 23.7	4 675	2426 T-3	1977 10 22.45920	01 11 49.29	+09 23 22.2	4 675
4041 T-2	1973 09 25.32031	00 27 01.09	+01 10 12.5	4 675	2426 T-3	1977 10 22.46962	01 11 48.68	+09 23 19.2	4 675
4041 T-2	1973 09 25.34601	00 26 59.73	+01 10 07.6	4 675	3105 T-3	1991 05 18.33056	15 08 45.18	-13 29 46.9	9 675
4041 T-2	* 1973 09 29.29219	00 23 34.00	+00 52 34.2	19.3 4 675	3105 T-3	1991 05 18.36024	15 08 43.46	-13 29 38.6	9 675
4041 T-2	1973 09 29.35694	00 23 30.37	+00 52 15.6	4 675	3134 T-3	1989 05 07.29948	14 28 31.59	-10 35 08.9	18.2 9 675
4041 T-2	1973 09 30.21007	00 22 45.89	+00 48 30.8	4 675	3134 T-3	1989 05 07.33403	14 28 29.37	-10 34 52.7	9 675
4041 T-2	1973 09 30.24826	00 22 44.05	+00 48 22.7	4 675	3437 T-3	1993 07 26.43611	23 43 01.97	-04 38 35.4	19.0 9 675
4041 T-2	1973 09 30.27431	00 22 42.43	+00 48 15.0	4 675	3437 T-3	1993 07 26.47865	23 43 01.78	-04 38 35.6	9 675
4041 T-2	1973 09 30.31476	00 22 40.33	+00 48 03.4	4 675	3437 T-3	1993 09 21.23420	23 07 09.39	-07 36 34.9	18.2 9 675
4041 T-2	1973 10 04.28958	00 19 14.44	+00 30 55.8	4 675	3437 T-3	1993 09 21.27031	23 07 07.60	-07 36 40.8	9 675
4041 T-2	1973 10 04.32708	00 19 12.43	+00 30 47.2	4 675	4008 T-3	1993 09 21.30747	23 52 03.05	-09 45 23.6	17.5 9 675
4041 T-2	1973 10 04.35208	00 19 11.08	+00 30 39.8	4 675	4008 T-3	1993 09 21.34497	23 52 00.67	-09 45 37.9	9 675
4041 T-2	1973 10 04.38889	00 19 09.12	+00 30 31.9	4 675	4017 T-3	1993 08 14.40139	23 33 54.91	-12 34 03.6	17.8 9 675
4041 T-2	1973 10 05.31684	00 18 22.05	+00 26 37.6	4 675	4017 T-3	1993 08 14.42899	23 33 53.75	-12 34 10.9	9 675
4041 T-2	1973 10 05.35382	00 18 19.99	+00 26 29.8	4 675	4017 T-3	1993 09 21.23420	22 58 22.18	-15 27 31.3	17.8 9 675
4041 T-2	1973 10 05.37917	00 18 18.87	+00 26 23.6	4 675	4314 T-3	1991 08 08.42483	23 38 41.05	-05 41 52.1	9 675
4041 T-2	1973 10 05.41597	00 18 16.76	+00 26 15.1	4 675	4314 T-3	1991 08 08.45660	23 38 40.27	-05 41 59.6	18.2 9 675
4253 T-2	1991 08 08.42483	23 21 58.59	-03 56 46.3	9 675	4343 T-3	1989 03 29.31615	12 22 32.02	+00 54 05.9	9 675
4253 T-2	1991 08 08.45660	23 21 58.37	-03 56 57.9	9 675	4343 T-3	1989 03 29.34497	12 22 30.90	+00 54 26.2	9 675
4613 T-2	1973 09 19.22500	00 40 15.77	-02 44 23.4	4 675	4343 T-3	1989 05 09.17326	12 10 18.74	+06 04 07.4	17.0 9 675
4613 T-2	1973 09 19.27865	00 40 14.50	-02 44 43.3	4 675	4343 T-3	1989 05 09.20382	12 10 18.96	+06 04 11.7	9 675
4613 T-2	1973 09 20.30278	00 39 48.04	-02 51 03.0	4 675	4343 T-3	1994 05 09.39045	16 46 30.11	-06 08 45.1	16.0 2 675
4613 T-2	1973 09 24.38750	00 38 00.78	-03 16 17.5	4 675	4343 T-3	1994 05 09.42899	16 46 28.53	-06 08 28.9	2 675
4613 T-2	1973 09 24.45434	00 37 59.02	-03 16 43.0	4 675	4354 T-3	1993 09 21.30747	23 52 56.78	-06 47 03.0	17.2 9 675
4613 T-2	1973 09 25.28125	00 37 37.11	-03 21 49.7	4 675	4354 T-3	1993 09 21.34497	23 52 54.62	-06 47 20.5	9 675
4613 T-2	1973 09 25.34601	00 37 35.36	-03 22 13.1	4 675	(4)	1993 10 10.13420	22 15 27.04	-20 59 54.7	9 675
4613 T-2	1973 09 29.29219	00 35 49.10	-03 46 22.2	4 675	(4)	1993 10 10.17373	22 15 27.35	-20 59 51.1	9 675
4613 T-2	1973 09 29.35694	00 35 47.30	-03 46 44.9	4 675	(13)	1993 05 21.21979	14 06 25.13	-13 03 26.7	9 675
4613 T-2	* 1973 09 30.24826	00 35 23.06	-03 52 06.8	19.4 4 675	(13)	1993 05 21.25347	14 06 23.39	-13 03 31.1	9 675
4613 T-2	1973 09 30.31476	00 35 21.22	-03 52 32.1	4 675	(15)	1989 08 30.27656	22 01 14.52	+02 37 05.6	9 675
4613 T-2	1973 10 04.32708	00 33 32.06	-04 16 27.2	4 675	(15)	1989 08 30.31233	22 01 12.40	+02 37 04.2	9 675
4613 T-2	1973 10 04.38889	00 33 30.31	-04 16 49.4	4 675	(26)	1989 11 04.42274	03 55 23.68	+21 09 54.4	9 675
5015 T-2	1973 09 20.21458	00 09 42.90	+12 15 48.0	4 675	(26)	1989 11 04.45694	03 55 21.85	+21 09 51.5	9 675
5015 T-2	1973 09 20.29253	00 09 38.46	+12 15 24.3	4 675	(39)	1992 10 22.37257	03 39 43.78	+03 56 48.6	9 675
5015 T-2	1973 09 24.40035	00 05 44.27	+11 52 45.2	4 675	(39)	1992 10 22.40521	03 39 42.53	+03 56 35.5	9 675
5015 T-2	1973 09 24.47986	00 05 39.56	+11 52 17.8	4 675	(39)	1992 10 26.43003	03 37 05.33	+03 29 50.3	9 675
5015 T-2	* 1973 09 25.29375	00 04 53.52	+11 47 28.1	19.2 4 675	(39)	1992 10 26.47153	03 37 03.58	+03 29 34.2	9 675
5015 T-2	1973 09 25.35903	00 04 49.55	+11 47 04.0	4 675	(40)	1994 11 28.27708	03 52 14.61	+16 01 31.6	9 675
1128 T-3	1994 10 01.37378	01 58 02.11	+25 16 22.6	9 675	(40)	1994 11 28.31979	03 52 11.71	+16 01 29.5	9 675
1128 T-3	1994 10 01.40191	01 58 00.72	+25 16 25.2	9 675	(62)	1990 04 01.38160	13 08 52.24	-04 11 51.6	9 675
2426 T-3	* 1977 10 16.26233	01 17 31.82	+10 02 54.2	18.2 4 675	(62)	1990 04 01.40660	13 08 51.19	-04 11 44.7	9 675
2426 T-3	1977 10 16.32795	01 17 28.06	+10 02 28.7	4 675	(62)	1992 06 28.44340	21 56 43.90	-12 51 16.3	9 675
2426 T-3	1977 10 17.26458	01 16 35.71	+09 56 32.8	4 675	(62)	1992 06 28.47014	21 56 43.76	-12 51 17.9	9 675

(76)	1994 11 05.36597	03 34 00.17	+17 46 08.8	9 675	(195)	1993 07 26.43611	23 52 20.49	-05 25 26.1	9 675
(76)	1994 11 05.39687	03 33 58.75	+17 46 02.6	9 675	(195)	1993 07 26.47865	23 52 20.18	-05 25 26.7	9 675
(79)	1988 05 10.37569	15 55 18.28	-16 47 16.5	9 675	(197)	1993 07 21.38976	22 33 20.39	-22 07 43.8	9 675
(79)	1988 05 10.40608	15 55 16.56	-16 47 08.8	9 675	(197)	1993 07 21.42465	22 33 19.86	-22 07 59.5	9 675
(90)	1993 05 21.21979	13 47 09.56	-09 14 12.4	9 675	(201)	1988 05 10.37569	16 15 26.30	-12 05 21.8	9 675
(90)	1993 05 21.25347	13 47 08.44	-09 14 07.9	9 675	(201)	1988 05 10.40608	16 15 24.78	-12 05 15.4	9 675
(107)	1992 10 26.47708	03 56 56.87	+08 35 34.6	9 675	(202)	1955 10 23.33542	02 42 31.69	+02 29 03.9	6 675
(107)	1992 10 26.51059	03 56 55.76	+08 35 25.0	9 675	(202)	1955 10 23.37778	02 42 29.73	+02 28 50.6	6 675
(107)	1992 11 27.28142	03 35 22.97	+06 26 17.3	9 675	(227)	1988 09 10.24705	21 56 48.15	-11 07 54.3	9 675
(107)	1992 11 27.31597	03 35 21.47	+06 26 11.6	9 675	(227)	1988 09 10.28420	21 56 46.57	-11 07 57.2	9 675
(108)	1992 08 24.27813	21 58 37.14	-14 52 21.9	9 675	(236)	1951 09 09.28125	22 43 16.84	-02 12 34.2	6 675
(108)	1992 08 24.31389	21 58 35.48	-14 52 29.2	9 675	(236)	1951 09 09.30833	22 43 15.70	-02 12 49.4	6 675
(112)	1994 03 14.41024	12 21 56.84	-05 07 01.5	9 675	(239)	1992 11 30.32760	02 33 10.67	+06 55 03.9	9 675
(112)	1994 03 14.46406	12 21 53.95	-05 06 46.9	9 675	(239)	1992 11 30.36007	02 33 09.82	+06 55 00.1	9 675
(112)	1994 04 03.27242	12 03 45.72	-03 25 20.2	9 675	(247)	1994 03 14.41024	12 17 11.74	-02 21 49.2	9 675
(112)	1994 04 03.31215	12 03 43.53	-03 25 07.0	9 675	(247)	1994 03 14.46406	12 17 08.16	-02 21 49.3	9 675
(113)	1993 09 21.23420	23 01 33.70	-12 28 16.8	9 675	(247)	1994 04 03.27242	11 55 40.43	-02 20 52.9	9 675
(113)	1993 09 21.27031	23 01 31.85	-12 28 29.0	9 675	(247)	1994 04 03.31215	11 55 37.91	-02 20 52.8	9 675
(118)	1988 09 10.38542	00 27 25.67	-08 26 05.8	9 675	(250)	1989 04 01.41354	14 27 21.44	-16 54 57.9	9 675
(118)	1988 09 10.41528	00 27 24.12	-08 26 13.6	9 675	(250)	1989 04 01.45399	14 27 19.75	-16 54 59.1	9 675
(118)	1992 10 25.33490	02 00 53.77	+07 59 16.4	9 675	(252)	1992 10 26.51059	04 00 03.31	+13 16 36.1	9 675
(118)	1992 10 25.37014	02 00 51.45	+07 59 13.8	9 675	(254)	1990 04 01.38160	13 11 55.69	-05 25 19.2	9 675
(122)	1993 08 13.22865	20 59 14.49	-15 25 08.5	9 675	(254)	1990 04 01.40660	13 11 54.10	-05 25 14.0	9 675
(122)	1993 08 13.25729	20 59 13.17	-15 25 14.6	9 675	(268)	1990 04 01.38160	13 12 27.61	-03 41 04.2	9 675
(126)	1994 11 05.36597	03 29 40.66	+21 17 55.2	9 675	(268)	1990 04 01.40660	13 12 26.48	-03 40 56.7	9 675
(126)	1994 11 05.39687	03 29 38.67	+21 17 51.7	9 675	(271)	1994 04 03.27242	11 48 16.80	-01 10 21.8	9 675
(127)	1989 04 01.41354	14 34 18.63	-14 54 46.1	9 675	(271)	1994 04 03.31215	11 48 15.08	-01 10 12.1	9 675
(127)	1989 04 01.45399	14 34 16.94	-14 54 45.0	9 675	(275)	1992 10 21.42847	03 35 00.59	+12 10 30.1	9 675
(127)	1989 05 07.29948	14 03 05.34	-14 08 07.4	9 675	(275)	1992 10 21.45729	03 34 59.44	+12 10 23.9	9 675
(127)	1989 05 07.33403	14 03 03.50	-14 08 04.1	9 675	(275)	1992 11 28.27604	03 03 33.25	+10 03 36.9	9 675
(136)	1989 08 02.37951	22 03 31.75	+01 25 01.5	9 675	(275)	1992 11 28.30990	03 03 31.59	+10 03 32.2	9 675
(136)	1989 08 02.40955	22 03 30.52	+01 24 51.7	9 675	(282)	1993 04 14.17240	11 34 50.33	+12 31 40.3	9 675
(147)	1953 09 07.25451	21 10 33.40	-13 32 05.1	6 675	(282)	1993 04 14.20729	11 34 49.27	+12 31 47.9	9 675
(147)	1953 09 07.27778	21 10 32.57	-13 32 09.5	6 675	(283)	1988 11 09.42743	04 14 11.76	+32 21 33.2	9 675
(149)	1994 11 05.36597	03 50 40.63	+18 22 52.9	9 675	(283)	1988 11 09.45833	04 14 10.12	+32 21 29.6	9 675
(149)	1994 11 05.39687	03 50 38.78	+18 22 46.4	9 675	(288)	1988 09 10.38542	00 33 12.26	-02 14 13.8	9 675
(158)	1989 05 07.29948	14 19 21.39	-15 15 50.3	9 675	(288)	1988 09 10.41528	00 33 10.95	-02 14 23.9	9 675
(158)	1989 05 07.33403	14 19 19.69	-15 15 41.7	9 675	(288)	1992 06 28.44340	22 02 43.19	-13 12 27.5	9 675
(165)	1988 11 09.42743	03 59 32.46	+35 03 39.1	9 675	(288)	1992 06 28.47014	22 02 42.93	-13 12 31.1	9 675
(165)	1988 11 09.45833	03 59 30.67	+35 03 33.5	9 675	(292)	1992 10 25.33490	02 22 29.75	+10 02 20.7	9 675
(171)	1992 10 25.42760	04 00 50.08	+17 56 39.2	9 675	(292)	1992 10 25.37014	02 22 27.32	+10 02 23.0	9 675
(171)	1992 10 25.46094	04 00 48.86	+17 56 36.1	9 675	(294)	1989 03 07.46701	12 38 34.37	+02 30 21.5	9 675
(178)	1989 11 04.42274	03 44 29.39	+19 50 11.7	9 675	(294)	1989 03 07.49540	12 38 33.37	+02 30 30.6	9 675
(178)	1989 11 04.45694	03 44 27.38	+19 50 07.1	9 675	(294)	1989 03 29.31615	12 23 58.16	+04 33 11.5	9 675
(183)	1993 08 14.40139	23 21 41.01	-15 38 37.1	9 675	(294)	1989 03 29.34497	12 23 56.91	+04 33 20.9	9 675
(183)	1993 08 14.42899	23 21 40.56	-15 39 12.0	9 675	(294)	1989 05 09.17326	12 01 32.07	+06 51 26.9	9 675
(184)	1988 09 10.24705	22 15 07.38	-10 44 07.9	9 675	(294)	1989 05 09.20382	12 01 31.56	+06 51 28.2	9 675
(184)	1988 09 10.28420	22 15 05.86	-10 44 15.1	9 675	(296)	1989 04 01.41354	14 12 36.18	-10 25 06.9	9 675
(188)	1994 11 05.36597	03 48 45.95	+22 25 36.6	9 675	(296)	1989 04 01.45399	14 12 34.21	-10 24 54.4	9 675
(188)	1994 11 05.39687	03 48 44.30	+22 25 24.9	9 675	(306)	1989 03 07.46701	12 44 04.87	+03 05 36.5	9 675
(188)	1994 11 28.27708	03 27 53.92	+19 47 11.6	9 675	(306)	1989 03 07.49540	12 44 03.72	+03 05 50.7	9 675
(188)	1994 11 28.31979	03 27 51.65	+19 46 54.0	9 675	(306)	1989 03 29.31615	12 26 16.27	+06 11 39.0	9 675

(306)	1989 03 29.34497	12 26 14.64	+06 11 52.9	9 675	(431)	1994 04 03.31215	12 04 46.07	+02 00 03.1	9 675
(306)	1989 05 09.17326	12 00 29.10	+09 08 15.7	9 675	(435)	1989 04 01.41354	14 09 09.68	-13 12 08.1	9 675
(306)	1989 05 09.20382	12 00 28.74	+09 08 15.7	9 675	(435)	1989 04 01.45399	14 09 07.76	-13 11 59.9	9 675
(307)	1988 09 10.38542	00 33 34.77	-06 34 41.8	9 675	(438)	1992 10 25.42760	04 00 07.52	+21 02 33.3	9 675
(307)	1988 09 10.41528	00 33 33.56	-06 34 52.7	9 675	(438)	1992 10 25.46094	04 00 05.94	+21 02 34.3	9 675
(310)	1994 11 28.27708	03 50 56.15	+19 08 05.9	9 675	(458)	1993 10 10.13420	22 16 54.88	-20 46 19.4	9 675
(310)	1994 11 28.31979	03 50 53.74	+19 07 56.6	9 675	(458)	1993 10 10.17373	22 16 54.50	-20 46 24.8	9 675
(312)	1993 09 21.30747	23 46 53.56	-04 16 07.7	9 675	(459)	1993 10 10.13420	22 03 02.25	-23 30 59.7	9 675
(312)	1993 09 21.34497	23 46 51.42	-04 16 12.7	9 675	(459)	1993 10 10.17373	22 03 01.75	-23 30 44.0	9 675
(319)	1994 03 14.41024	12 40 37.86	-04 27 09.5	9 675	(462)	1992 06 28.44340	22 04 40.65	-13 51 33.7	9 675
(319)	1994 03 14.46406	12 40 35.87	-04 26 50.7	9 675	(462)	1992 06 28.47014	22 04 40.65	-13 51 35.9	9 675
(328)	1993 09 21.23420	22 59 12.15	-08 51 33.4	9 675	(470)	1992 10 21.42847	03 32 21.86	+10 10 14.7	9 675
(328)	1993 09 21.27031	22 59 10.24	-08 51 34.8	9 675	(470)	1992 10 21.45729	03 32 20.59	+10 10 04.1	9 675
(341)	1989 03 07.46701	12 36 34.75	+00 58 25.0	9 675	(470)	1992 10 26.43003	03 28 30.52	+09 39 44.8	9 675
(341)	1989 03 07.49540	12 36 33.27	+00 58 32.5	9 675	(470)	1992 10 26.47153	03 28 28.37	+09 39 30.2	9 675
(341)	1989 03 29.31615	12 14 37.50	+02 42 46.6	9 675	(470)	1992 11 30.32760	02 56 55.32	+06 45 56.9	9 675
(341)	1989 03 29.34497	12 14 35.61	+02 42 53.3	9 675	(470)	1992 11 30.36007	02 56 53.76	+06 45 51.1	9 675
(341)	1993 07 21.38976	22 42 08.20	-20 31 54.8	9 675	(471)	1992 02 05.23038	06 41 53.72	+33 39 22.9	9 675
(341)	1993 07 21.42465	22 42 07.97	-20 32 01.6	9 675	(471)	1992 02 05.26806	06 41 52.54	+33 39 27.6	9 675
(342)	1993 05 21.21979	13 35 15.62	-12 50 26.7	9 675	(476)	1988 11 09.42743	03 53 42.15	+33 15 14.7	9 675
(342)	1993 05 21.25347	13 35 14.69	-12 50 14.7	9 675	(476)	1988 11 09.45833	03 53 40.24	+33 15 07.6	9 675
(351)	1988 10 09.37135	01 30 44.78	-05 28 01.1	9 675	(487)	1994 09 12.33455	23 16 25.82	-18 54 33.6	9 675
(351)	1988 10 09.40260	01 30 43.19	-05 28 10.2	9 675	(487)	1994 09 12.36667	23 16 24.17	-18 54 47.2	9 675
(351)	1988 11 04.25017	01 09 48.94	-06 48 40.5	9 675	(488)	1954 08 08.36667	22 38 38.50	-23 32 53.9	6 675
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(355)	1988 09 10.24705	22 03 43.75	-13 59 46.8	9 675	(488)	1954 10 02.23472	22 02 48.71	-26 28 13.7	6 675
(355)	1988 09 10.28420	22 03 41.90	-13 59 51.9	9 675	(488)	1954 10 02.25486	22 02 48.22	-26 28 13.6	6 675
(355)	1992 08 24.27813	21 57 27.58	-15 27 20.6	9 675	(488)	1993 07 21.38976	22 26 42.66	-23 24 53.6	9 675
(355)	1992 08 24.31389	21 57 25.46	-15 27 29.2	9 675	(488)	1993 07 21.42465	22 26 41.67	-23 25 06.0	9 675
(361)	1991 08 06.34201	22 48 34.74	-21 01 40.9	9 675	(491)	1988 10 09.37135	01 32 20.94	-02 43 37.6	9 675
(361)	1991 08 06.37951	22 48 33.49	-21 01 48.1	9 675	(491)	1988 10 09.40260	01 32 19.66	-02 43 56.2	9 675
(367)	1993 09 21.23420	22 59 37.86	-11 48 21.5	9 675	(491)	1988 11 04.25017	01 16 06.76	-06 18 24.4	9 675
(367)	1993 09 21.27031	22 59 35.78	-11 48 31.9	9 675	(491)	1988 11 04.28073	01 16 05.74	-06 18 35.7	9 675
(374)	1989 05 07.29948	14 17 09.09	-13 25 42.8	9 675	(494)	1993 05 21.21979	13 47 45.96	-11 19 09.3	9 675
(374)	1989 05 07.33403	14 17 07.48	-13 25 26.4	9 675	(494)	1993 05 21.25347	13 47 44.77	-11 19 07.5	9 675
(379)	1990 04 01.38160	13 13 17.05	-06 43 25.5	9 675	(504)	1990 01 29.47708	10 23 57.45	+22 19 55.3	9 675
(379)	1990 04 01.40660	13 13 15.98	-06 43 18.4	9 675	(504)	1990 01 29.52431	10 23 55.42	+22 20 17.2	9 675
(381)	1994 09 12.33455	23 28 29.23	-16 45 14.1	9 675	(508)	1993 05 21.21979	13 51 33.30	-09 22 06.5	9 675
(381)	1994 09 12.36667	23 28 27.87	-16 45 26.6	9 675	(508)	1993 05 21.25347	13 51 32.01	-09 22 08.2	9 675
(392)	1992 10 21.42847	03 35 32.04	+13 22 55.7	9 675	(513)	1990 04 01.38160	12 55 03.20	-03 41 08.1	9 675
(392)	1992 10 21.45729	03 35 31.04	+13 22 39.5	9 675	(513)	1990 04 01.40660	12 55 02.12	-03 40 58.1	9 675
(392)	1992 11 28.27604	03 07 39.16	+07 42 08.2	9 675	(518)	1992 10 25.42760	03 44 14.31	+15 22 10.9	9 675
(392)	1992 11 28.30990	03 07 37.72	+07 41 53.9	9 675	(518)	1992 10 25.46094	03 44 12.65	+15 21 58.2	9 675
(404)	1954 10 02.23472	22 23 46.41	-29 33 56.6	6 675	(518)	1992 11 28.27604	03 13 02.82	+11 55 25.3	9 675
(404)	1954 10 02.25486	22 23 45.73	-29 33 53.8	6 675	(518)	1992 11 28.30990	03 13 01.08	+11 55 15.6	9 675
(421)	1988 05 10.37569	15 52 22.21	-11 35 48.5	9 675	(529)	1993 03 23.27813	12 23 30.36	+13 08 59.2	9 675
(421)	1988 05 10.40608	15 52 20.64	-11 35 39.4	9 675	(529)	1993 03 23.31516	12 23 28.51	+13 09 08.2	9 675
(431)	1989 04 01.41354	14 31 47.73	-12 16 31.5	9 675	(530)	1989 01 08.42361	09 04 44.14	+16 19 05.1	9 675
(431)	1989 04 01.45399	14 31 46.35	-12 16 23.4	9 675	(530)	1989 01 08.45990	09 04 42.78	+16 19 13.9	9 675
(431)	1994 03 14.41024	12 18 54.27	+00 24 43.4	9 675	(535)	1992 10 25.33490	02 31 56.77	+06 10 22.2	9 675
(431)	1994 03 14.46406	12 18 52.01	+00 24 59.9	9 675	(535)	1992 10 25.37014	02 31 54.76	+06 10 15.1	9 675
(431)	1994 04 03.27242	12 04 47.75	+01 59 51.5	9 675	(555)	1992 06 28.44340	21 41 31.34	-13 52 45.4	9 675

(555)	1992 06 28.47014	21 41 30.87	-13 52 48.8	9 675	(751)	1992 10 26.47153	03 33 27.57	+02 08 51.4	9 675
(563)	1992 10 26.47708	04 06 06.49	+09 25 47.7	9 675	(752)	1992 10 21.42847	03 35 55.39	+12 39 55.6	9 675
(563)	1992 10 26.51059	04 06 05.32	+09 25 50.0	9 675	(752)	1992 10 21.45729	03 35 54.15	+12 39 52.5	9 675
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(590)	1992 10 26.43003	03 18 39.52	+02 31 16.8	9 675	(783)	1950 04 22.32153	14 00 44.91	+04 22 30.8	6 675
(590)	1992 10 26.47153	03 18 37.55	+02 31 08.6	9 675	(783)	1950 04 22.35035	14 00 43.27	+04 22 44.3	6 675
(597)	1989 05 07.29948	14 27 41.97	-16 39 08.4	9 675	(791)	1989 01 08.42361	08 46 59.60	+15 28 10.1	9 675
(597)	1989 05 07.33403	14 27 39.83	-16 39 07.2	9 675	(791)	1989 01 08.45990	08 46 58.08	+15 28 22.0	9 675
(615)	1994 04 03.27242	11 51 25.05	+01 49 19.6	9 675	(801)	1993 11 16.38785	03 56 45.09	+02 47 38.1	9 675
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(621)	1988 09 10.38542	00 20 15.45	-01 14 03.8	9 675	(811)	1988 05 10.37569	16 00 49.22	-15 52 04.4	9 675
(621)	1988 09 10.41528	00 20 14.23	-01 14 11.4	9 675	(811)	1988 05 10.40608	16 00 47.74	-15 52 00.4	9 675
(628)	1990 01 29.47708	10 29 18.88	+19 29 02.2	9 675	(812)	1993 08 14.40139	23 38 39.12	-15 14 33.8	9 675
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(637)	1993 08 13.22865	20 39 36.77	-18 41 36.3	9 675	(821)	1992 10 25.42760	03 42 02.65	+17 03 34.3	9 675
(637)	1993 08 13.25729	20 39 35.47	-18 41 41.3	9 675	(821)	1992 10 25.46094	03 42 01.18	+17 03 26.4	9 675
(641)	1993 07 26.43611	23 59 25.07	-02 40 11.8	9 675	(821)	1992 11 28.27604	03 14 06.27	+14 43 26.0	9 675
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(645)	1992 08 24.27813	22 02 58.90	-17 49 13.7	9 675	(825)	1989 05 09.17326	11 43 07.72	+07 36 02.7	9 675
(645)	1992 08 24.31389	22 02 57.11	-17 49 19.9	9 675	(825)	1989 05 09.20382	11 43 07.91	+07 35 56.5	9 675
(651)	1989 05 07.29948	14 22 00.25	-14 45 50.7	9 675	(837)	1989 08 02.37951	22 04 22.03	-01 07 24.9	9 675
(651)	1989 05 07.33403	14 21 58.44	-14 45 47.3	9 675	(837)	1989 08 02.40955	22 04 20.67	-01 07 32.3	9 675
(665)	1992 06 28.44340	21 45 19.42	-09 28 20.6	9 675	(854)	1989 04 01.41354	14 27 52.75	-11 35 49.4	9 675
(665)	1992 06 28.47014	21 45 18.92	-09 28 13.3	9 675	(854)	1989 04 01.45399	14 27 51.50	-11 35 32.5	9 675
(672)	1994 10 01.37378	01 49 43.83	+23 30 12.9	9 675	(855)	1993 09 21.30747	23 52 12.11	-08 16 55.1	9 675
(672)	1994 10 01.40191	01 49 42.22	+23 30 14.7	9 675	(855)	1993 09 21.34497	23 52 09.54	-08 16 58.3	9 675
(673)	1988 09 10.24705	22 00 10.90	-07 47 57.7	9 675	(856)	1993 10 10.13420	22 00 24.63	-24 34 20.5	9 675
(673)	1988 09 10.28420	22 00 09.35	-07 48 06.8	9 675	(856)	1993 10 10.17373	22 00 24.38	-24 34 20.2	9 675
(682)	1992 11 30.32760	02 38 06.18	+04 27 51.5	9 675	(861)	1992 08 24.27813	21 55 56.27	-19 35 10.5	9 675
(682)	1992 11 30.36007	02 38 04.95	+04 27 45.0	9 675	(861)	1992 08 24.31389	21 55 54.62	-19 35 23.4	9 675
(698)	1993 05 21.21979	13 45 22.38	-10 16 44.9	9 675	(870)	1992 10 26.43003	03 28 40.40	+07 25 11.8	9 675
(698)	1993 05 21.25347	13 45 21.10	-10 16 47.1	9 675	(870)	1992 10 26.47153	03 28 37.81	+07 25 01.5	9 675
(701)	1989 08 30.27656	22 14 09.51	+00 21 22.5	9 675	(870)	1992 11 30.32760	02 53 20.90	+06 19 27.2	9 675
(701)	1989 08 30.31233	22 14 07.85	+00 21 12.6	9 675	(870)	1992 11 30.36007	02 53 19.40	+06 19 29.2	9 675
(713)	1993 05 21.21979	13 40 07.89	-11 04 47.1	9 675	(871)	1993 04 14.17240	11 19 12.56	+08 08 33.2	9 675
(713)	1993 05 21.25347	13 40 06.97	-11 04 37.7	9 675	(871)	1993 04 14.20729	11 19 11.68	+08 08 41.5	9 675
(718)	1992 10 25.42760	03 28 19.39	+20 34 48.2	9 675	(876)	1989 03 07.46701	12 57 49.23	+03 13 08.2	9 675
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(723)	1988 09 10.24705	22 06 40.65	-10 32 04.6	9 675	(893)	1994 09 10.33056	00 29 33.84	-12 24 13.7	9 675
(723)	1988 09 10.28420	22 06 39.15	-10 32 15.7	9 675	(893)	1994 09 10.35990	00 29 32.87	-12 24 33.3	9 675
(729)	1990 01 29.47708	10 38 12.83	+19 15 48.6	9 675	(899)	1988 11 09.34132	02 52 10.11	+26 05 35.0	9 675
(729)	1990 01 29.52431	10 38 11.37	+19 16 21.6	9 675	(899)	1988 11 09.38924	02 52 07.58	+26 05 06.7	9 675
(733)	1990 01 29.47708	10 15 26.60	+21 21 57.2	9 675	(905)	1954 08 08.39167	22 32 39.75	-20 06 31.9	6 675
(733)	1990 01 29.52431	10 15 24.20	+21 21 58.2	9 675	(906)	1992 10 25.42760	03 33 25.80	+21 33 36.5	9 675
(743)	1993 05 21.21979	13 39 50.87	-11 49 34.0	9 675	(906)	1992 10 25.46094	03 33 24.08	+21 33 39.3	9 675
(743)	1993 05 21.25347	13 39 49.89	-11 49 25.0	9 675	(930)	1993 07 21.42465	22 26 19.10	-23 09 18.3	9 675
(751)	1992 10 22.37257	03 37 01.82	+02 03 07.1	9 675	(932)	1993 07 26.43611	00 13 15.23	-05 59 52.0	9 675
(751)	1992 10 22.40521	03 37 00.15	+02 03 09.6	9 675	(932)	1993 07 26.47865	00 13 15.59	-05 59 49.0	9 675
(751)	1992 10 26.43003	03 33 29.95	+02 08 47.8	9 675	(943)	1992 10 22.37257	04 01 50.36	+04 14 04.5	9 675

(943)	1992 10 22.40521	04 01 49.37	+04 13 57.2	9 675	(1107)	1994 09 12.33455	23 28 44.49	-12 38 25.2	9 675
(943)	1992 11 27.28142	03 34 42.60	+03 09 18.1	9 675	(1107)	1994 09 12.36667	23 28 43.05	-12 38 35.6	9 675
(943)	1992 11 27.31597	03 34 40.79	+03 09 19.5	9 675	(1116)	1991 08 06.34201	22 36 18.82	-22 35 33.7	9 675
(948)	1990 04 01.38160	12 57 06.14	-10 34 48.7	9 675	(1116)	1991 08 06.37951	22 36 16.95	-22 35 39.2	9 675
(948)	1990 04 01.40660	12 57 04.81	-10 34 45.8	9 675	(1119)	1993 04 14.17240	11 35 57.20	+13 12 07.9	9 675
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(950)	1994 03 14.46406	12 30 17.45	-03 58 23.9	9 675	(1123)	1993 03 23.27813	12 33 29.21	+07 39 05.5	9 675
(953)	1990 01 29.47708	10 22 30.52	+22 43 32.8	9 675	(1123)	1993 03 23.31516	12 33 26.86	+07 39 18.9	9 675
(953)	1990 01 29.52431	10 22 28.38	+22 43 46.9	9 675	(1124)	1988 09 10.38542	00 12 23.89	-04 24 36.7	9 675
(955)	1992 08 24.27813	22 17 20.73	-18 58 21.0	9 675	(1124)	1988 09 10.41528	00 12 22.44	-04 24 41.9	9 675
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(956)	1990 04 01.38160	13 10 05.64	-06 54 04.4	9 675	(1124)	1993 09 21.34497	23 58 15.02	-05 41 51.6	9 675
(956)	1990 04 01.40660	13 10 04.22	-06 53 52.8	9 675	(1125)	1988 05 10.37569	16 01 49.35	-17 56 08.0	9 675
(967)	1994 11 28.27708	03 53 40.27	+16 55 18.2	9 675	(1125)	1988 05 10.40608	16 01 47.94	-17 56 02.9	9 675
(967)	1994 11 28.31979	03 53 37.17	+16 55 17.0	9 675	(1128)	1989 01 08.42361	09 04 05.38	+18 10 14.6	9 675
(993)	1993 08 13.22865	20 33 08.54	-16 34 48.9	9 675	(1128)	1989 01 08.45990	09 04 03.77	+18 10 21.9	9 675
(993)	1993 08 13.25729	20 33 07.12	-16 34 54.4	9 675	(1144)	1989 03 07.46701	12 39 03.14	+01 43 41.8	9 675
(1020)	1994 04 03.27242	11 47 57.67	+01 30 28.1	9 675	(1144)	1989 03 07.49540	12 39 02.30	+01 43 50.2	9 675
(1020)	1994 04 03.31215	11 47 55.91	+01 30 43.1	9 675	(1144)	1989 03 29.31615	12 26 48.75	+03 42 03.0	9 675
(1028)	1992 10 21.42847	03 39 22.07	+15 20 34.0	9 675	(1144)	1989 03 29.34497	12 26 47.72	+03 42 11.8	9 675
(1028)	1992 10 21.45729	03 39 21.00	+15 20 34.0	9 675	(1144)	1989 05 09.17326	12 08 21.41	+06 05 13.4	9 675
(1028)	1992 11 28.27604	03 09 29.42	+15 13 11.6	9 675	(1144)	1989 05 09.20382	12 08 20.96	+06 05 15.9	9 675
(1028)	1992 11 28.30990	03 09 27.82	+15 13 12.0	9 675	(1148)	1993 11 16.38785	03 47 38.28	+03 26 39.3	9 675
(1033)	1992 10 25.33490	02 25 46.64	+06 43 37.3	9 675	(1148)	1993 11 16.41632	03 47 36.75	+03 26 34.5	9 675
(1033)	1992 10 25.37014	02 25 45.04	+06 43 20.3	9 675	(1154)	1991 05 18.36024	14 55 25.47	-12 49 22.4	9 675
(1044)	1991 09 14.31493	23 19 44.66	-11 59 49.7	9 675	(1155)	1991 09 14.36765	23 18 05.78	-13 45 51.2	9 675
(1044)	1991 09 14.36765	23 19 41.79	-12 00 02.9	9 675	(1156)	1993 09 21.23420	22 57 00.56	-09 20 41.1	9 675
(1047)	1993 03 23.27813	12 08 41.47	+08 44 46.0	9 675	(1156)	1993 09 21.27031	22 56 58.61	-09 20 51.8	9 675
(1047)	1993 03 23.31516	12 08 39.15	+08 44 59.1	9 675	(1164)	1991 09 14.31493	23 32 36.46	-13 01 25.2	9 675
(1047)	1993 04 14.20729	11 48 57.35	+10 12 46.7	9 675	(1164)	1991 09 14.36765	23 32 33.65	-13 02 11.6	9 675
(1050)	1993 07 26.43611	23 52 11.46	-02 43 25.1	9 675	(1185)	1989 03 07.46701	13 02 16.47	+03 09 20.3	9 675
(1050)	1993 07 26.47865	23 52 11.38	-02 43 12.7	9 675	(1185)	1989 03 07.49540	13 02 15.25	+03 09 30.3	9 675
(1056)	1988 05 10.37569	15 50 39.18	-11 59 14.5	9 675	(1185)	1989 03 29.31615	12 42 23.68	+05 13 45.2	9 675
(1060)	1989 11 04.42274	03 27 11.10	+17 28 12.0	9 675	(1185)	1989 03 29.34497	12 42 21.79	+05 13 53.7	9 675
(1060)	1989 11 04.45694	03 27 08.80	+17 27 57.0	9 675	(1185)	1989 05 09.17326	12 12 38.19	+06 08 02.4	9 675
(1061)	1989 04 01.41354	14 08 33.83	-09 49 15.1	9 675	(1185)	1989 05 09.20382	12 12 37.67	+06 07 56.7	9 675
(1061)	1989 04 01.45399	14 08 32.16	-09 49 05.2	9 675	(1190)	1989 03 07.46701	12 41 18.34	-02 05 19.0	9 675
(1061)	1994 03 14.41024	12 26 42.02	+00 48 37.9	9 675	(1190)	1989 03 07.49540	12 41 17.11	-02 05 09.2	9 675
(1061)	1994 04 03.27242	12 12 36.59	+02 19 48.9	9 675	(1194)	1988 11 09.42743	03 55 07.06	+33 26 24.4	9 675
(1061)	1994 04 03.31215	12 12 34.82	+02 20 00.1	9 675	(1194)	1988 11 09.45833	03 55 05.32	+33 26 18.8	9 675
(1067)	1989 08 30.27656	22 05 41.08	+01 20 55.9	9 675	(1207)	1993 10 10.13420	22 08 59.03	-20 42 52.9	9 675
(1067)	1989 08 30.31233	22 05 39.13	+01 20 52.0	9 675	(1207)	1993 10 10.17373	22 08 58.34	-20 42 44.9	9 675
(1070)	1993 04 14.17240	11 37 25.55	+08 51 29.3	9 675	(1218)	1988 09 10.38542	00 15 40.79	-03 40 35.5	9 675
(1070)	1993 04 14.20729	11 37 24.62	+08 51 40.2	9 675	(1218)	1988 09 10.41528	00 15 39.18	-03 40 46.0	9 675
(1081)	1990 04 01.38160	13 14 44.87	-06 23 57.9	9 675	(1225)	1990 04 01.38160	12 56 06.20	-06 06 03.0	9 675
(1081)	1990 04 01.40660	13 14 43.75	-06 23 52.4	9 675	(1225)	1990 04 01.40660	12 56 04.62	-06 05 57.0	9 675
(1084)	1993 05 21.21979	14 02 38.71	-08 41 25.5	9 675	(1239)	1989 05 07.29948	14 09 58.07	-11 32 27.7	9 675
(1084)	1993 05 21.25347	14 02 37.44	-08 41 17.5	9 675	(1239)	1989 05 07.33403	14 09 56.27	-11 32 19.7	9 675
(1099)	1993 04 14.17240	11 40 19.34	+08 50 05.2	9 675	(1247)	1994 11 05.36597	03 40 44.07	+17 09 19.1	9 675
(1099)	1993 04 14.20729	11 40 18.20	+08 50 07.9	9 675	(1247)	1994 11 05.39687	03 40 42.58	+17 09 13.6	9 675
(1101)	1990 04 01.38160	12 57 47.81	-10 15 27.1	9 675	(1261)	1992 10 21.41493	03 18 02.09	+16 55 17.3	9 675
(1101)	1990 04 01.40660	12 57 46.82	-10 15 13.3	9 675	(1261)	1992 10 21.44306	03 18 00.98	+16 55 14.3	9 675

(1261)	1992 11 27.21007	02 49 27.86	+15 15 13.7	9 675	(1398)	1989 01 08.45990	08 49 52.51	+15 44 09.5	9 675
(1261)	1992 11 27.24115	02 49 26.50	+15 15 08.9	9 675	(1409)	1992 10 25.33490	02 18 50.60	+07 01 01.7	9 675
(1262)	1993 11 16.38785	03 37 27.05	+00 21 22.2	9 675	(1409)	1992 10 25.37014	02 18 48.80	+07 00 47.4	9 675
(1262)	1993 11 16.41632	03 37 25.50	+00 21 19.3	9 675	(1421)	1990 01 29.47708	10 25 35.36	+25 01 30.8	9 675
(1269)	1989 03 07.46701	12 43 12.79	-01 34 16.5	9 675	(1421)	1990 01 29.52431	10 25 33.37	+25 01 45.9	9 675
(1269)	1989 03 07.49540	12 43 11.91	-01 34 09.5	9 675	(1424)	1991 08 06.34201	22 48 06.49	-21 55 45.5	9 675
(1269)	1989 03 29.31615	12 30 29.61	+00 01 09.6	9 675	(1424)	1991 08 06.37951	22 48 05.08	-21 55 56.4	9 675
(1269)	1989 03 29.34497	12 30 28.48	+00 01 17.7	9 675	(1425)	1951 09 09.28125	22 43 40.91	+00 24 46.8	6 675
(1279)	1988 09 10.24705	22 02 07.28	-11 42 29.7	9 675	(1425)	1951 09 09.30833	22 43 39.63	+00 24 32.5	6 675
(1279)	1988 09 10.28420	22 02 05.48	-11 42 29.7	9 675	(1429)	1989 03 07.46701	12 48 45.02	+03 00 25.3	9 675
(1293)	1989 05 07.29948	14 26 53.98	-16 58 18.4	9 675	(1429)	1989 03 07.49540	12 48 43.80	+03 00 32.2	9 675
(1293)	1989 05 07.33403	14 26 51.78	-16 58 02.2	9 675	(1429)	1989 03 29.31615	12 30 41.01	+04 44 43.0	9 675
(1327)	1993 03 23.27813	12 20 29.94	+05 28 35.0	9 675	(1429)	1989 03 29.34497	12 30 39.49	+04 44 50.2	9 675
(1327)	1993 03 23.31516	12 20 27.97	+05 28 44.6	9 675	(1429)	1989 05 09.17326	12 01 35.84	+06 17 20.6	9 675
(1331)	1993 08 13.22865	20 32 16.22	-19 43 09.6	9 675	(1429)	1989 05 09.20382	12 01 34.92	+06 17 19.2	9 675
(1331)	1993 08 13.25729	20 32 14.98	-19 43 15.8	9 675	(1429)	1993 03 23.27813	12 18 13.03	+06 40 50.3	9 675
(1332)	1989 05 07.29948	14 08 04.63	-14 28 16.6	9 675	(1429)	1993 03 23.31516	12 18 11.02	+06 41 01.1	9 675
(1332)	1989 05 07.33403	14 08 03.03	-14 28 08.9	9 675	(1445)	1989 04 01.41354	14 15 25.20	-10 42 55.1	9 675
(1344)	1993 07 21.38976	22 36 44.20	-18 23 42.8	9 675	(1445)	1989 04 01.45399	14 15 23.75	-10 42 46.9	9 675
(1344)	1993 07 21.42465	22 36 43.11	-18 23 55.4	9 675	(1445)	1994 03 14.41024	12 30 37.08	+00 03 44.8	9 675
(1345)	1993 11 16.38785	03 43 15.77	+03 40 27.3	9 675	(1445)	1994 03 14.46406	12 30 34.79	+00 03 59.5	9 675
(1345)	1993 11 16.41632	03 43 14.52	+03 40 23.3	9 675	(1445)	1994 04 03.27242	12 16 38.24	+01 34 33.2	9 675
(1346)	1993 04 14.17240	11 27 53.29	+08 57 22.3	9 675	(1445)	1994 04 03.31215	12 16 36.51	+01 34 44.8	9 675
(1346)	1993 04 14.20729	11 27 52.26	+08 57 34.0	9 675	(1448)	1993 04 14.17240	11 20 44.04	+11 28 35.9	9 675
(1349)	1992 06 28.44340	21 52 11.44	-12 22 58.5	9 675	(1448)	1993 04 14.20729	11 20 43.10	+11 28 28.6	9 675
(1349)	1992 06 28.47014	21 52 11.06	-12 22 54.1	9 675	(1462)	1992 10 25.42760	03 59 04.65	+21 10 47.1	9 675
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(1350)	1992 10 25.37014	02 15 48.97	+08 47 44.9	9 675	(1466)	1953 09 07.25451	21 30 38.70	-12 42 30.3	6 675
(1355)	1993 05 21.21979	14 07 20.74	-10 07 58.8	9 675	(1466)	1953 09 07.27778	21 30 37.84	-12 42 44.2	6 675
(1358)	1989 04 01.41354	14 30 16.36	-15 15 37.1	9 675	(1479)	1993 09 21.30747	23 50 03.51	-05 53 03.7	9 675
(1358)	1989 04 01.45399	14 30 14.66	-15 15 32.7	9 675	(1479)	1993 09 21.34497	23 50 01.34	-05 53 10.7	9 675
(1361)	1989 08 02.37951	22 10 25.04	+01 02 33.0	9 675	(1480)	1992 10 21.41493	03 16 39.70	+14 36 25.9	9 675
(1361)	1989 08 02.40955	22 10 24.09	+01 02 17.3	9 675	(1480)	1992 10 21.42847	03 16 38.94	+14 36 23.1	9 675
(1366)	1992 02 05.23038	06 35 17.43	+35 51 22.8	9 675	(1480)	1992 10 21.44306	03 16 38.16	+14 36 23.0	9 675
(1366)	1992 02 05.26806	06 35 16.13	+35 51 17.2	9 675	(1480)	1992 10 21.45729	03 16 37.28	+14 36 19.1	9 675
(1366)	1993 04 14.17240	11 18 22.27	+10 58 01.0	9 675	(1480)	1992 11 27.21007	02 37 48.53	+13 32 51.2	9 675
(1366)	1993 04 14.20729	11 18 21.08	+10 57 59.4	9 675	(1480)	1992 11 27.24115	02 37 46.77	+13 32 49.9	9 675
(1372)	1992 02 05.23038	06 55 50.65	+37 02 33.0	9 675	(1484)	1988 05 10.37569	16 16 28.27	-12 52 58.8	9 675
(1372)	1992 02 05.26806	06 55 49.07	+37 02 13.3	9 675	(1484)	1988 05 10.40608	16 16 26.40	-12 53 10.3	9 675
(1377)	1992 10 21.41493	03 11 46.60	+18 09 02.8	9 675	(1494)	1989 05 07.29948	14 23 12.82	-12 18 33.4	9 675
(1377)	1992 10 21.44306	03 11 45.12	+18 08 53.2	9 675	(1494)	1989 05 07.33403	14 23 10.66	-12 18 20.5	9 675
(1377)	1992 11 27.21007	02 36 36.56	+14 02 20.3	9 675	(1496)	1994 11 28.27708	03 33 27.72	+22 44 40.0	9 675
(1377)	1992 11 27.24115	02 36 35.04	+14 02 10.1	9 675	(1496)	1994 11 28.31979	03 33 24.80	+22 44 29.3	9 675
(1383)	1988 09 10.24705	22 15 24.58	-10 46 22.0	9 675	(1501)	1954 08 08.36667	22 29 37.40	-21 01 29.1	6 675
(1383)	1988 09 10.28420	22 15 22.99	-10 46 29.2	9 675	(1501)	1954 08 08.39167	22 29 36.13	-21 01 34.0	6 675
(1394)	1989 05 07.29948	14 26 30.35	-11 12 06.7	9 675	(1501)	1989 03 07.46701	12 47 49.08	-02 31 23.7	9 675
(1394)	1989 05 07.33403	14 26 28.41	-11 11 54.7	9 675	(1501)	1989 03 07.49540	12 47 47.72	-02 31 19.7	9 675
(1395)	1989 11 04.42274	03 46 44.55	+22 32 02.3	9 675	(1502)	1992 10 21.42847	03 36 01.41	+17 01 27.5	9 675
(1395)	1989 11 04.45694	03 46 42.94	+22 31 53.1	9 675	(1502)	1992 10 21.45729	03 36 00.31	+17 01 20.9	9 675
(1397)	1994 11 05.36597	03 48 26.65	+17 50 30.2	9 675	(1502)	1992 11 28.27604	03 04 48.11	+14 02 47.9	9 675
(1397)	1994 11 05.39687	03 48 24.94	+17 50 26.2	9 675	(1502)	1992 11 28.30990	03 04 46.48	+14 02 39.4	9 675
(1398)	1989 01 08.42361	08 49 54.25	+15 44 09.9	9 675	(1513)	1993 07 26.43611	23 48 33.92	-03 24 43.4	9 675

(1513)	1993 07 26.47865	23 48 33.88	-03 24 49.2	9 675	(1699)	1993 05 21.25347	13 52 57.39	-14 23 08.7	9 675
(1513)	1993 09 21.23420	23 11 35.75	-09 19 22.3	9 675	(1717)	1988 09 10.24705	22 23 38.58	-10 11 20.8	9 675
(1513)	1993 09 21.27031	23 11 33.81	-09 19 35.9	9 675	(1717)	1988 09 10.28420	22 23 36.19	-10 11 26.9	9 675
(1517)	1993 07 21.38976	22 17 27.94	-19 01 49.1	9 675	(1722)	1992 10 21.42847	03 31 58.81	+11 35 11.9	9 675
(1517)	1993 07 21.42465	22 17 26.86	-19 01 59.8	9 675	(1722)	1992 10 21.45729	03 31 57.65	+11 35 03.3	9 675
(1522)	1992 08 24.27813	22 06 01.21	-21 21 43.3	9 675	(1722)	1992 11 28.27604	02 59 30.57	+08 31 50.1	9 675
(1522)	1992 08 24.31389	22 05 58.96	-21 21 54.0	9 675	(1722)	1992 11 28.30990	02 59 28.90	+08 31 44.4	9 675
(1529)	1992 10 26.47708	03 57 44.12	+10 42 05.9	9 675	(1722)	1992 11 30.32760	02 57 57.51	+08 26 14.5	9 675
(1529)	1992 10 26.51059	03 57 43.01	+10 42 03.6	9 675	(1722)	1992 11 30.36007	02 57 55.99	+08 26 09.3	9 675
(1545)	1989 03 07.46701	12 45 45.04	-00 28 41.9	9 675	(1722)	1994 04 03.27242	11 54 54.11	+03 08 08.7	9 675
(1545)	1989 03 07.49540	12 45 43.91	-00 28 35.3	9 675	(1722)	1994 04 03.31215	11 54 52.28	+03 08 26.6	9 675
(1545)	1989 03 29.31615	12 28 38.77	+01 01 08.3	9 675	(1730)	1994 03 14.41024	12 24 59.81	-00 04 03.7	17.8 9 675
(1545)	1989 03 29.34497	12 28 37.23	+01 01 14.8	9 675	(1730)	1994 03 14.46406	12 24 57.31	-00 03 39.5	9 675
(1552)	1988 11 09.34132	02 56 32.39	+26 51 37.8	9 675	(1730)	1994 04 03.27242	12 10 08.43	+02 17 31.2	9 675
(1552)	1988 11 09.38924	02 56 29.44	+26 51 35.2	9 675	(1730)	1994 04 03.31215	12 10 06.57	+02 17 47.2	9 675
(1552)	1990 01 29.47708	10 35 16.68	+19 48 22.2	9 675	(1744)	1989 05 07.29948	14 01 52.27	-14 24 08.9	9 675
(1552)	1990 01 29.52431	10 35 14.65	+19 48 31.9	9 675	(1744)	1989 05 07.33403	14 01 50.22	-14 24 05.2	9 675
(1558)	1992 10 26.43003	03 16 17.25	+03 23 34.2	9 675	(1754)	1953 09 07.25451	21 17 37.01	-10 18 34.7	6 675
(1558)	1992 10 26.47153	03 16 15.37	+03 23 26.1	9 675	(1754)	1953 09 07.27778	21 17 36.35	-10 18 46.1	6 675
(1568)	1993 07 26.43611	00 13 23.52	-04 31 09.8	9 675	(1760)	1992 10 21.41493	03 15 11.00	+19 40 30.1	9 675
(1568)	1993 07 26.47865	00 13 26.32	-04 31 49.4	9 675	(1760)	1992 10 21.44306	03 15 09.88	+19 40 22.6	9 675
(1569)	1993 07 21.38976	22 50 42.81	-20 41 08.1	9 675	(1760)	1992 11 27.21007	02 48 06.02	+16 43 51.6	9 675
(1569)	1993 07 21.42465	22 50 42.47	-20 41 23.5	9 675	(1760)	1992 11 27.24115	02 48 04.75	+16 43 42.7	9 675
(1569)	1993 10 10.13420	22 09 08.43	-27 05 02.7	9 675	(1761)	1993 08 13.22865	20 39 44.73	-21 07 31.8	9 675
(1569)	1993 10 10.17373	22 09 08.17	-27 04 56.8	9 675	(1761)	1993 08 13.25729	20 39 43.52	-21 07 35.0	9 675
(1618)	1992 06 28.44340	21 40 27.83	-15 53 21.9	9 675	(1762)	1990 04 01.38160	13 04 39.78	-04 51 06.9	9 675
(1618)	1992 06 28.47014	21 40 27.52	-15 53 25.5	9 675	(1762)	1990 04 01.40660	13 04 38.64	-04 51 00.2	9 675
(1628)	1994 03 14.41024	12 41 22.15	-02 33 49.3	9 675	(1773)	1991 05 18.33056	14 56 40.85	-12 28 46.4	9 675
(1628)	1994 03 14.46406	12 41 20.12	-02 33 16.1	9 675	(1773)	1991 05 18.36024	14 56 39.10	-12 28 46.2	9 675
(1629)	1993 08 13.22865	21 02 54.32	-18 05 01.0	9 675	(1781)	1991 09 14.31493	23 27 15.79	-15 08 36.5	9 675
(1629)	1993 08 13.25729	21 02 52.67	-18 05 19.6	9 675	(1781)	1991 09 14.36765	23 27 12.57	-15 08 46.8	9 675
(1637)	1993 03 23.27813	12 08 30.26	+07 43 41.1	9 675	(1782)	1990 04 01.38160	13 02 58.08	-05 10 38.2	9 675
(1637)	1993 03 23.31516	12 08 28.20	+07 43 44.7	9 675	(1782)	1990 04 01.40660	13 02 56.90	-05 10 31.0	9 675
(1637)	1993 04 14.17240	11 50 29.56	+07 50 45.8	9 675	(1793)	1992 06 28.44340	21 54 20.56	-10 20 13.7	9 675
(1637)	1993 04 14.20729	11 50 28.09	+07 50 43.9	9 675	(1793)	1992 06 28.47014	21 54 20.29	-10 20 13.6	9 675
(1650)	1993 05 21.21979	13 52 32.18	-09 25 05.2	9 675	(1801)	1994 09 10.33056	00 32 01.40	-14 04 00.6	9 675
(1650)	1993 05 21.25347	13 52 31.11	-09 24 57.1	9 675	(1801)	1994 09 10.35990	00 32 00.14	-14 04 10.7	9 675
(1651)	1992 11 28.27604	03 15 22.55	+11 03 19.7	9 675	(1815)	1989 05 07.29948	14 21 51.41	-10 13 33.5	9 675
(1651)	1992 11 28.30990	03 15 20.52	+11 03 10.1	9 675	(1815)	1992 10 21.42847	03 26 57.90	+14 57 39.3	9 675
(1664)	1991 08 06.34201	22 16 04.76	-20 39 13.9	9 675	(1815)	1992 10 21.45729	03 26 56.84	+14 57 34.8	9 675
(1664)	1991 08 06.37951	22 16 02.67	-20 39 26.7	9 675	(1815)	1992 11 27.21007	02 58 26.67	+13 15 43.3	9 675
(1667)	1992 10 21.42847	03 31 17.66	+14 14 05.0	9 675	(1815)	1992 11 27.24115	02 58 25.29	+13 15 39.3	9 675
(1667)	1992 10 21.45729	03 31 16.06	+14 14 00.9	9 675	(1815)	1992 11 28.27604	02 57 40.29	+13 13 29.3	9 675
(1667)	1992 11 27.21007	02 51 57.62	+12 41 43.7	9 675	(1815)	1992 11 28.30990	02 57 38.80	+13 13 25.1	9 675
(1667)	1992 11 27.24115	02 51 55.83	+12 41 40.8	9 675	(1822)	1989 11 04.42274	03 33 20.75	+18 56 06.0	9 675
(1670)	1993 10 10.13420	22 27 30.43	-24 32 38.2	9 675	(1822)	1989 11 04.45694	03 33 18.46	+18 55 57.2	9 675
(1670)	1993 10 10.17373	22 27 29.52	-24 32 31.2	9 675	(1825)	1993 08 13.22865	20 42 07.50	-15 36 17.6	9 675
(1687)	1993 09 21.30747	23 50 26.55	-05 31 38.8	9 675	(1825)	1993 08 13.25729	20 42 05.94	-15 36 21.2	9 675
(1687)	1993 09 21.34497	23 50 24.81	-05 31 49.8	9 675	(1830)	1992 10 25.33490	02 07 47.03	+05 58 17.7	9 675
(1695)	1991 05 18.33056	15 01 53.12	-12 09 46.1	9 675	(1830)	1992 10 25.37014	02 07 44.81	+05 58 03.5	9 675
(1695)	1991 05 18.36024	15 01 51.61	-12 09 32.8	9 675	(1838)	1988 10 09.37135	01 33 28.10	-05 58 58.1	9 675
(1699)	1993 05 21.21979	13 52 58.95	-14 23 19.9	9 675	(1838)	1988 10 09.40260	01 33 26.37	-05 58 58.2	9 675

(1838)	1988 11 04.25017	01 10 58.29	-05 30 11.2	9 675	(1991)	1988 11 09.42743	04 24 14.45	+31 50 10.6	9 675
(1838)	1988 11 04.28073	01 10 56.86	-05 30 05.9	9 675	(1991)	1988 11 09.45833	04 24 12.40	+31 50 09.1	9 675
(1842)	1993 04 14.17240	11 29 00.18	+08 21 38.7	9 675	(2028)	1989 08 30.27656	21 56 39.80	+03 13 03.8	9 675
(1842)	1993 04 14.20729	11 28 58.94	+08 21 49.4	9 675	(2028)	1989 08 30.31233	21 56 37.80	+03 12 50.2	9 675
(1844)	1990 01 29.47708	10 41 55.44	+21 42 56.9	9 675	(2032)	1989 01 08.42361	08 36 44.45	+20 45 00.7	9 675
(1844)	1990 01 29.52431	10 41 53.89	+21 43 19.8	9 675	(2032)	1989 01 08.45990	08 36 42.71	+20 45 08.7	9 675
(1848)	1990 04 01.38160	12 44 55.31	-06 22 13.0	9 675	(2058)	1994 04 03.27242	12 04 51.93	+03 33 10.7	9 675
(1848)	1990 04 01.40660	12 44 54.07	-06 22 05.9	9 675	(2058)	1994 04 03.31215	12 04 50.14	+03 33 22.4	9 675
(1850)	1994 11 28.27708	03 45 28.64	+18 55 30.2	9 675	(2064)	1989 01 08.42361	08 42 57.74	+18 18 45.8	9 675
(1850)	1994 11 28.31979	03 45 25.65	+18 55 26.7	9 675	(2064)	1989 01 08.45990	08 42 55.48	+18 18 51.3	9 675
(1851)	1988 09 10.24705	22 01 36.50	-14 15 28.8	9 675	(2069)	1992 10 25.33490	02 04 40.96	+08 41 34.4	9 675
(1851)	1988 09 10.28420	22 01 34.99	-14 15 35.5	9 675	(2069)	1992 10 25.37014	02 04 39.13	+08 41 31.2	9 675
(1879)	1989 11 04.42274	03 31 59.04	+20 25 47.7	9 675	(2072)	1992 08 24.27813	22 18 38.96	-17 47 41.2	9 675
(1879)	1989 11 04.45694	03 31 57.07	+20 25 38.9	9 675	(2072)	1992 08 24.31389	22 18 36.70	-17 47 50.7	9 675
(1880)	1993 04 14.17240	11 50 25.72	+08 20 42.7	9 675	(2085)	1989 03 07.46701	12 53 02.50	-00 04 50.0	9 675
(1880)	1993 04 14.20729	11 50 24.45	+08 20 49.9	9 675	(2085)	1989 03 07.49540	12 53 01.40	-00 04 40.8	9 675
(1890)	1994 09 12.33455	23 36 23.74	-17 59 24.6	9 675	(2085)	1989 03 29.31615	12 36 39.98	+02 02 29.9	9 675
(1890)	1994 09 12.36667	23 36 22.24	-17 59 32.8	9 675	(2085)	1989 03 29.34497	12 36 38.52	+02 02 39.5	9 675
(1892)	1992 02 05.23038	06 44 58.27	+31 28 21.3	9 675	(2085)	1989 05 09.17326	12 11 43.88	+04 18 36.5	9 675
(1892)	1992 02 05.26806	06 44 56.82	+31 28 03.5	9 675	(2085)	1989 05 09.20382	12 11 43.35	+04 18 36.3	9 675
(1893)	1989 11 04.42274	03 41 58.19	+15 56 16.7	9 675	(2103)	1951 09 09.28125	22 38 31.50	-00 10 52.1	6 675
(1893)	1989 11 04.45694	03 41 56.23	+15 56 16.6	9 675	(2103)	1951 09 09.30833	22 38 30.32	-00 10 57.5	6 675
(1895)	1993 07 26.43611	23 52 18.18	-03 05 02.2	9 675	(2113)	1990 04 01.38160	12 47 36.95	-02 51 17.4	9 675
(1895)	1993 07 26.47865	23 52 17.92	-03 05 04.0	9 675	(2113)	1990 04 01.40660	12 47 35.58	-02 51 11.2	9 675
(1899)	1991 09 14.31493	23 41 35.77	-13 39 44.1	9 675	(2116)	1992 10 26.47708	04 03 05.31	+08 12 57.1	9 675
(1899)	1991 09 14.36765	23 41 32.51	-13 39 59.0	9 675	(2116)	1992 10 26.51059	04 03 04.02	+08 12 44.0	9 675
(1908)	1992 10 21.41493	03 05 55.38	+20 52 27.2	9 675	(2116)	1992 11 27.28142	03 36 19.80	+05 29 00.9	9 675
(1908)	1992 10 21.44306	03 05 54.02	+20 52 24.8	9 675	(2116)	1992 11 27.31597	03 36 17.94	+05 28 54.0	9 675
(1909)	1953 09 07.25451	21 22 14.78	-12 21 21.6	6 675	(2132)	1993 07 21.38976	22 19 50.71	-18 11 41.6	9 675
(1909)	1953 09 07.27778	21 22 13.83	-12 21 27.6	6 675	(2132)	1993 07 21.42465	22 19 49.68	-18 11 52.0	9 675
(1924)	1989 11 04.42274	03 39 09.94	+23 44 23.0	9 675	(2136)	1955 10 23.35278	02 52 07.45	+01 41 33.3	6 675
(1924)	1989 11 04.45694	03 39 07.79	+23 44 19.7	9 675	(2136)	1955 10 23.37778	02 52 06.30	+01 41 25.1	6 675
(1925)	1991 09 14.31493	23 44 39.46	-15 09 08.4	9 675	(2153)	1993 07 26.43611	23 58 55.84	-01 37 50.0	9 675
(1925)	1991 09 14.36765	23 44 36.93	-15 09 33.4	9 675	(2153)	1993 07 26.47865	23 58 55.83	-01 37 51.1	9 675
(1927)	1994 09 12.33455	23 30 07.81	-17 40 22.0	9 675	(2160)	1989 03 07.46701	12 49 07.21	-01 55 24.3	9 675
(1927)	1994 09 12.36667	23 30 05.86	-17 40 26.5	9 675	(2160)	1989 03 07.49540	12 49 06.16	-01 55 17.4	9 675
(1947)	1988 11 04.25017	01 21 34.41	-07 54 12.4	9 675	(2216)	1988 10 09.37135	01 26 57.63	-02 36 27.1	9 675
(1947)	1988 11 04.28073	01 21 33.19	-07 54 12.0	9 675	(2216)	1988 10 09.40260	01 26 56.20	-02 36 40.5	9 675
(1947)	1993 10 10.13420	22 23 52.41	-25 37 38.5	9 675	(2216)	1988 11 04.25017	01 09 42.70	-04 59 55.9	9 675
(1947)	1993 10 10.17373	22 23 51.77	-25 37 35.0	9 675	(2216)	1988 11 04.28073	01 09 41.71	-05 00 01.4	9 675
(1952)	1992 10 26.43003	03 21 44.00	+04 53 54.7	9 675	(2216)	1993 07 26.43611	23 56 57.37	-01 37 30.3	9 675
(1952)	1992 10 26.47153	03 21 41.93	+04 53 54.9	9 675	(2216)	1993 07 26.47865	23 56 57.72	-01 37 38.6	9 675
(1952)	1992 11 30.32760	02 51 28.78	+05 53 58.5	9 675	(2222)	1993 09 21.23420	23 03 15.19	-10 03 56.9	9 675
(1952)	1992 11 30.36007	02 51 27.31	+05 54 06.0	9 675	(2222)	1993 09 21.27031	23 03 13.57	-10 04 05.9	9 675
(1976)	1993 07 26.43611	23 48 23.13	-04 39 15.6	9 675	(2238)	1994 11 05.36597	03 57 57.85	+21 13 17.4	9 675
(1976)	1993 07 26.47865	23 48 22.97	-04 39 21.0	9 675	(2238)	1994 11 05.39687	03 57 56.32	+21 13 13.2	9 675
(1976)	1993 09 21.23420	23 11 53.76	-09 20 13.4	9 675	(2238)	1994 11 28.27708	03 37 50.52	+20 19 23.8	9 675
(1976)	1993 09 21.27031	23 11 51.84	-09 20 24.3	9 675	(2238)	1994 11 28.31979	03 37 48.19	+20 19 17.9	9 675
(1979)	1989 08 30.27656	21 59 21.87	-03 42 32.4	9 675	(2243)	1994 03 14.41024	12 29 30.53	+01 12 01.7	9 675
(1979)	1989 08 30.31233	21 59 19.97	-03 42 47.5	9 675	(2243)	1994 03 14.46406	12 29 27.20	+01 12 16.9	9 675
(1986)	1993 05 21.21979	13 51 08.31	-08 29 04.8	9 675	(2243)	1994 04 03.27242	12 08 49.24	+02 36 19.4	9 675
(1986)	1993 05 21.25347	13 51 07.15	-08 28 56.9	9 675	(2243)	1994 04 03.31215	12 08 46.72	+02 36 29.1	9 675

(2257)	1993 05 21.25347	13 34 21.83	-12 07 11.0	9 675	(2418)	1990 04 01.38160	12 48 38.05	-04 32 30.8	9 675
(2263)	1993 10 10.13420	22 08 09.17	-27 25 18.9	9 675	(2418)	1990 04 01.40660	12 48 36.91	-04 32 25.0	9 675
(2263)	1993 10 10.17373	22 08 08.77	-27 25 06.5	9 675	(2437)	1994 11 05.36597	03 47 23.22	+18 44 39.9	9 675
(2264)	1989 11 04.42274	03 51 46.45	+20 13 51.3	9 675	(2437)	1994 11 05.39687	03 47 21.38	+18 44 30.1	9 675
(2264)	1989 11 04.45694	03 51 44.79	+20 13 46.6	9 675	(2439)	1993 08 13.22865	21 00 18.10	-17 10 47.6	9 675
(2267)	1994 11 05.36597	03 28 53.57	+22 14 18.7	9 675	(2439)	1993 08 13.25729	21 00 16.74	-17 10 52.9	9 675
(2267)	1994 11 05.39687	03 28 51.44	+22 14 12.5	9 675	(2466)	1993 08 13.22865	20 44 53.74	-14 00 59.0	9 675
(2275)	1989 04 01.41354	14 18 56.35	-12 05 11.8	17.0 9 675	(2466)	1993 08 13.25729	20 44 52.30	-14 01 09.2	9 675
(2275)	1989 04 01.45399	14 18 54.56	-12 04 55.3	9 675	(2468)	1951 09 09.28125	22 19 05.33	-00 21 02.7	6 675
(2278)	1989 11 04.42274	03 53 25.65	+20 17 18.7	9 675	(2468)	1951 09 09.30833	22 19 04.07	-00 21 16.0	6 675
(2279)	1992 06 28.44340	21 48 27.23	-12 13 51.5	9 675	(2468)	1993 03 23.46667	14 53 32.35	-17 45 21.5	6 675
(2279)	1992 06 28.47014	21 48 26.95	-12 13 55.1	9 675	(2468)	1993 03 23.50885	14 53 31.73	-17 45 15.6	6 675
(2300)	1994 03 14.41024	12 31 34.73	-01 36 34.7	9 675	(2469)	1988 10 09.37135	01 28 02.31	-01 47 02.0	9 675
(2302)	1993 08 13.22865	20 41 18.04	-16 05 01.3	9 675	(2469)	1988 10 09.40260	01 28 00.85	-01 47 13.8	9 675
(2302)	1993 08 13.25729	20 41 16.18	-16 04 57.0	9 675	(2469)	1988 11 04.25017	01 10 39.54	-03 53 48.9	9 675
(2309)	1993 11 16.41632	03 59 16.58	+03 26 16.9	9 675	(2469)	1988 11 04.28073	01 10 38.45	-03 53 52.7	9 675
(2313)	1994 04 03.27242	11 48 32.81	-00 57 42.8	9 675	(2482)	1992 06 28.44340	21 57 19.47	-14 35 25.4	9 675
(2313)	1994 04 03.31215	11 48 30.83	-00 57 27.8	9 675	(2482)	1992 06 28.47014	21 57 19.21	-14 35 28.8	9 675
(2314)	1992 02 05.26806	06 44 46.79	+32 13 16.8	9 675	(2492)	1993 05 21.21979	13 37 44.96	-10 31 33.2	9 675
(2316)	1991 05 18.33056	15 03 46.30	-13 53 58.8	9 675	(2492)	1993 05 21.25347	13 37 43.99	-10 31 28.1	9 675
(2316)	1991 05 18.36024	15 03 44.60	-13 53 51.7	9 675	(2500)	1993 04 14.17240	11 30 35.26	+12 29 04.2	9 675
(2343)	1989 05 07.29948	14 07 15.90	-12 52 33.5	9 675	(2500)	1993 04 14.20729	11 30 33.92	+12 28 57.9	9 675
(2343)	1989 05 07.33403	14 07 13.86	-12 52 21.7	9 675	(2500)	1994 09 12.33455	23 33 27.29	-14 08 35.4	9 675
(2348)	1988 05 10.37569	16 06 24.68	-14 47 08.8	9 675	(2500)	1994 09 12.36667	23 33 25.21	-14 08 44.5	9 675
(2348)	1988 05 10.40608	16 06 22.88	-14 47 01.4	9 675	(2504)	1994 03 14.41024	12 17 18.50	-00 34 08.6	9 675
(2349)	1993 08 13.22865	20 43 21.17	-18 05 09.0	9 675	(2504)	1994 03 14.46406	12 17 15.64	-00 33 56.7	9 675
(2349)	1993 08 13.25729	20 43 19.79	-18 05 27.7	9 675	(2504)	1994 04 03.27242	12 00 20.60	+00 37 50.8	9 675
(2354)	1992 10 25.33490	02 10 51.95	+09 42 55.6	9 675	(2504)	1994 04 03.31215	12 00 18.60	+00 37 57.2	9 675
(2354)	1992 10 25.37014	02 10 50.06	+09 42 44.6	9 675	(2512)	1992 11 28.27604	03 11 32.85	+15 10 26.4	9 675
(2355)	1993 07 21.38976	22 42 51.86	-24 19 37.8	9 675	(2512)	1992 11 28.30990	03 11 30.71	+15 10 29.3	9 675
(2355)	1993 07 21.42465	22 42 51.19	-24 19 49.8	9 675	(2519)	1990 04 01.38160	13 12 55.85	-04 15 33.9	9 675
(2355)	1993 10 10.13420	21 55 18.54	-26 30 33.1	9 675	(2519)	1990 04 01.40660	13 12 54.80	-04 15 26.5	9 675
(2355)	1993 10 10.17373	21 55 18.40	-26 30 20.3	9 675	(2519)	1992 11 27.21007	02 30 10.36	+12 37 51.3	9 675
(2364)	1992 10 25.42760	03 30 53.03	+20 38 35.7	9 675	(2519)	1992 11 27.24115	02 30 09.10	+12 37 47.7	9 675
(2364)	1992 10 25.46094	03 30 51.53	+20 38 35.1	9 675	(2527)	1988 05 10.40608	16 06 05.90	-17 33 39.7	9 675
(2369)	1992 10 25.42760	03 54 57.98	+20 32 58.0	9 675	(2534)	1990 04 01.38160	13 01 39.13	-06 02 17.3	9 675
(2369)	1992 10 25.46094	03 54 56.61	+20 32 56.2	9 675	(2534)	1990 04 01.40660	13 01 38.10	-06 02 11.6	9 675
(2387)	1993 10 10.13420	22 07 37.16	-26 10 16.4	9 675	(2541)	1989 05 07.29948	14 31 53.67	-12 04 14.1	9 675
(2387)	1993 10 10.17373	22 07 36.48	-26 10 07.4	9 675	(2541)	1989 05 07.33403	14 31 51.95	-12 04 06.6	9 675
(2387)	1994 11 28.27708	03 44 06.16	+22 05 57.4	9 675	(2542)	1988 09 10.38542	00 23 59.91	-01 17 20.4	9 675
(2387)	1994 11 28.31979	03 44 03.64	+22 05 59.0	9 675	(2542)	1988 09 10.41528	00 23 58.79	-01 17 29.1	9 675
(2398)	1989 05 07.29948	14 26 38.62	-09 46 56.5	9 675	(2548)	1989 08 02.37951	21 58 51.59	+00 17 34.2	9 675
(2398)	1989 05 07.33403	14 26 36.56	-09 46 48.5	9 675	(2548)	1989 08 02.40955	21 58 49.69	+00 17 40.2	9 675
(2399)	1988 09 10.24705	22 11 19.27	-13 42 01.6	9 675	(2553)	1992 10 25.33490	02 08 55.95	+04 36 00.0	9 675
(2399)	1988 09 10.28420	22 11 17.80	-13 42 17.7	9 675	(2553)	1992 10 25.37014	02 08 54.24	+04 35 50.7	9 675
(2405)	1992 10 25.33490	02 17 44.84	+10 21 32.2	9 675	(2556)	1988 05 10.37569	16 17 47.25	-16 36 28.3	9 675
(2411)	1991 05 18.33056	15 01 48.95	-13 56 42.1	9 675	(2556)	1988 05 10.40608	16 17 45.42	-16 36 22.1	9 675
(2411)	1991 05 18.36024	15 01 47.16	-13 56 35.5	9 675	(2556)	1994 03 14.41024	12 27 38.50	+01 32 19.0	9 675
(2413)	1989 05 09.17326	11 46 22.91	+06 59 21.1	9 675	(2556)	1994 03 14.46406	12 27 35.36	+01 32 44.8	9 675
(2413)	1989 05 09.20382	11 46 22.68	+06 59 24.0	9 675	(2556)	1994 04 03.27242	12 08 46.61	+03 55 14.7	9 675
(2416)	1993 04 14.17240	11 39 41.64	+11 07 51.7	9 675	(2556)	1994 04 03.31215	12 08 44.35	+03 55 30.0	9 675
(2416)	1993 04 14.20729	11 39 40.62	+11 07 59.7	9 675	(2557)	1994 03 14.41024	12 33 14.22	-04 26 50.6	9 675

(2557)	1994 03 14.46406	12 33 11.42	-04 26 26.6	9 675	(2673)	1994 11 28.27708	03 51 01.30	+19 33 29.2	9 675
(2557)	1994 04 03.27242	12 15 55.81	-01 51 47.5	9 675	(2673)	1994 11 28.31979	03 50 59.22	+19 33 23.1	9 675
(2557)	1994 04 03.31215	12 15 53.69	-01 51 28.6	9 675	(2681)	1993 09 21.30747	23 55 27.11	-06 38 10.6	9 675
(2561)	1990 04 01.38160	13 10 08.74	-05 16 43.1	9 675	(2681)	1993 09 21.34497	23 55 25.19	-06 38 21.8	9 675
(2561)	1990 04 01.40660	13 10 07.35	-05 16 33.2	9 675	(2691)	1988 09 10.24705	22 19 02.78	-08 11 14.2	9 675
(2563)	1994 03 14.41024	12 33 35.92	-00 28 45.7	9 675	(2694)	1992 02 02.44878	10 03 08.99	+09 09 46.1	2 675
(2563)	1994 03 14.46406	12 33 33.61	-00 28 29.7	9 675	(2694)	1992 02 03.38941	10 02 18.94	+09 13 39.6	16.5 2 675
(2566)	1988 09 10.38542	00 13 54.43	-05 57 26.5	9 675	(2694)	1992 02 03.40747	10 02 17.79	+09 13 42.9	2 675
(2566)	1988 09 10.41528	00 13 52.84	-05 57 35.4	9 675	(2713)	1989 11 04.42274	03 34 29.99	+21 14 04.0	9 675
(2568)	1993 03 23.27813	12 30 56.48	+12 31 35.8	9 675	(2713)	1989 11 04.45694	03 34 28.19	+21 13 59.2	9 675
(2568)	1993 03 23.31516	12 30 54.09	+12 31 52.8	9 675	(2719)	1993 05 21.21979	13 56 49.61	-10 51 33.1	9 675
(2571)	1993 04 14.17240	11 38 42.70	+06 32 41.7	9 675	(2719)	1993 05 21.25347	13 56 48.15	-10 51 26.5	9 675
(2571)	1993 04 14.20729	11 38 41.12	+06 32 47.9	9 675	(2726)	1989 11 04.42274	03 38 39.64	+21 34 12.8	9 675
(2574)	1990 04 01.38160	13 00 03.47	-05 55 39.7	9 675	(2726)	1989 11 04.45694	03 38 37.82	+21 34 08.6	9 675
(2574)	1990 04 01.40660	13 00 02.25	-05 55 33.4	9 675	(2734)	1993 05 21.21979	13 55 40.61	-13 16 04.3	9 675
(2575)	1989 01 08.42361	08 51 44.70	+20 31 33.4	9 675	(2734)	1993 05 21.25347	13 55 39.17	-13 16 05.5	9 675
(2575)	1989 01 08.45990	08 51 42.59	+20 31 38.2	9 675	(2738)	1989 01 08.42361	09 03 11.68	+16 24 52.3	9 675
(2584)	1989 03 07.46701	12 45 59.06	-02 55 05.5	9 675	(2738)	1989 01 08.45990	09 03 10.09	+16 24 57.1	9 675
(2584)	1989 03 07.49540	12 45 57.78	-02 54 58.1	9 675	(2740)	1988 05 10.37569	16 08 13.19	-11 40 06.3	9 675
(2585)	1989 03 07.46701	12 46 34.41	+01 50 21.1	9 675	(2740)	1988 05 10.40608	16 08 11.84	-11 39 56.6	9 675
(2585)	1989 03 07.49540	12 46 33.18	+01 50 32.6	9 675	(2742)	1991 05 18.33056	15 19 37.87	-13 48 20.4	9 675
(2585)	1989 03 29.31615	12 28 32.93	+04 23 18.1	9 675	(2742)	1991 05 18.36024	15 19 36.37	-13 48 16.0	9 675
(2585)	1989 03 29.34497	12 28 31.38	+04 23 28.8	9 675	(2742)	1992 06 28.44340	21 33 20.42	-14 49 55.6	9 675
(2585)	1989 05 09.17326	12 02 25.59	+06 58 30.1	9 675	(2742)	1992 06 28.47014	21 33 20.05	-14 49 58.7	9 675
(2585)	1989 05 09.20382	12 02 25.02	+06 58 30.9	9 675	(2745)	1993 08 13.22865	20 57 18.71	-15 33 14.8	9 675
(2586)	1992 10 21.42847	03 15 22.43	+11 53 11.4	9 675	(2745)	1993 08 13.25729	20 57 16.95	-15 33 38.8	9 675
(2586)	1992 10 21.45729	03 15 21.01	+11 53 01.8	9 675	(2746)	1992 06 28.44340	21 43 38.03	-08 49 47.4	9 675
(2586)	1992 11 30.32760	02 39 52.83	+08 48 29.4	9 675	(2746)	1992 06 28.47014	21 43 37.69	-08 49 48.9	9 675
(2586)	1992 11 30.36007	02 39 51.50	+08 48 25.6	9 675	(2749)	1994 11 28.27708	03 42 59.57	+20 12 33.8	9 675
(2587)	1989 01 08.42361	09 04 25.55	+19 02 02.1	9 675	(2749)	1994 11 28.31979	03 42 57.32	+20 12 26.2	9 675
(2587)	1989 01 08.45990	09 04 24.12	+19 02 09.7	9 675	(2757)	1993 08 13.25729	20 51 14.63	-18 30 35.7	9 675
(2587)	1992 10 25.33490	02 18 15.24	+10 38 51.1	9 675	(2757)	1994 11 05.36597	03 34 23.34	+19 59 14.2	9 675
(2587)	1992 10 25.37014	02 18 13.52	+10 38 43.5	9 675	(2757)	1994 11 05.39687	03 34 21.83	+19 59 09.4	9 675
(2592)	1989 05 07.29948	14 22 46.92	-13 34 31.5	9 675	(2767)	1991 05 18.33056	15 06 15.09	-12 54 00.7	9 675
(2592)	1989 05 07.33403	14 22 45.32	-13 34 22.1	9 675	(2767)	1991 05 18.36024	15 06 13.51	-12 54 00.6	9 675
(2598)	1988 05 10.37569	15 56 42.12	-13 21 23.7	9 675	(2775)	1989 03 07.46701	13 00 16.07	-00 20 38.4	9 675
(2598)	1988 05 10.40608	15 56 40.57	-13 21 15.8	9 675	(2775)	1989 03 07.49540	13 00 14.85	-00 20 27.4	9 675
(2606)	1992 10 25.33490	02 27 44.47	+08 45 19.9	9 675	(2800)	1993 08 13.22865	20 52 32.90	-20 05 53.6	9 675
(2606)	1992 10 25.37014	02 27 42.75	+08 45 06.0	9 675	(2800)	1993 08 13.25729	20 52 31.57	-20 05 58.9	9 675
(2607)	1992 10 21.41493	03 03 38.78	+19 54 43.4	9 675	(2802)	1991 09 14.31493	23 19 56.92	-13 19 12.6	9 675
(2607)	1992 10 21.44306	03 03 37.11	+19 54 39.4	9 675	(2802)	1991 09 14.36765	23 19 54.69	-13 19 31.1	9 675
(2622)	1994 09 12.33455	23 14 41.92	-14 40 38.4	9 675	(2802)	1992 10 26.43003	03 31 59.23	+05 29 08.4	9 675
(2622)	1994 09 12.36667	23 14 40.51	-14 40 52.7	9 675	(2802)	1992 10 26.47153	03 31 57.55	+05 28 59.1	9 675
(2634)	1989 05 09.17326	11 47 46.67	+08 25 34.8	9 675	(2811)	1992 10 25.42760	03 48 04.87	+21 32 03.1	9 675
(2634)	1989 05 09.20382	11 47 46.45	+08 25 34.6	9 675	(2811)	1992 10 25.46094	03 48 03.47	+21 32 00.0	9 675
(2639)	1949 11 19.28646	03 08 05.30	+10 12 13.5	6 675	(2814)	1989 11 04.42274	03 47 57.62	+16 15 12.0	9 675
(2641)	1994 09 12.33455	23 14 32.69	-15 30 28.2	9 675	(2814)	1989 11 04.45694	03 47 55.87	+16 15 05.4	9 675
(2641)	1994 09 12.36667	23 14 30.66	-15 30 34.1	9 675	(2831)	1993 10 10.13420	22 06 25.41	-19 54 12.1	9 675
(2642)	1990 04 01.38160	12 51 40.27	-08 42 06.3	9 675	(2831)	1993 10 10.17373	22 06 26.11	-19 53 59.2	9 675
(2642)	1990 04 01.40660	12 51 38.96	-08 41 51.9	9 675	(2837)	1989 04 01.41354	14 31 55.56	-12 40 21.1	9 675
(2659)	1988 09 10.24705	22 19 10.52	-10 27 07.7	9 675	(2837)	1989 04 01.45399	14 31 54.10	-12 40 13.3	9 675
(2659)	1988 09 10.28420	22 19 08.98	-10 27 16.8	9 675	(2837)	1989 05 07.29948	14 04 24.00	-10 42 40.7	9 675

(2841)	1992 11 30.32760	02 25 56.47	+08 50 30.6	17.5	9 675	(3006)	1993 05 21.25347	13 52 38.45	-14 10 01.2	9 675
(2841)	1992 11 30.36007	02 25 54.92	+08 50 30.4		9 675	(3016)	1988 09 10.38542	00 12 10.97	-02 15 41.6	9 675
(2848)	1989 01 08.42361	08 48 37.53	+18 38 11.6		9 675	(3016)	1988 09 10.41528	00 12 09.71	-02 15 51.6	9 675
(2848)	1989 01 08.45990	08 48 35.85	+18 38 17.4		9 675	(3021)	1993 07 26.43611	00 04 11.18	-03 15 10.6	9 675
(2850)	1993 07 26.43611	00 04 23.17	-09 05 57.1		9 675	(3032)	1991 08 08.42483	23 39 33.54	-07 09 16.8	9 675
(2850)	1993 07 26.47865	00 04 23.48	-09 06 08.7		9 675	(3032)	1991 08 08.45660	23 39 32.86	-07 09 25.3	9 675
(2852)	1989 04 01.41354	14 26 14.74	-11 55 03.4		9 675	(3034)	1994 03 14.41024	12 17 25.48	-00 19 12.9	9 675
(2852)	1989 04 01.45399	14 26 13.06	-11 54 55.7		9 675	(3034)	1994 03 14.46406	12 17 22.35	-00 18 57.4	9 675
(2856)	1993 07 26.43611	00 16 20.65	-05 41 38.3		9 675	(3034)	1994 04 03.27242	11 57 40.07	+01 13 19.1	9 675
(2856)	1993 07 26.47865	00 16 20.69	-05 41 37.8		9 675	(3034)	1994 04 03.31215	11 57 37.70	+01 13 29.8	9 675
(2856)	1993 09 21.30747	23 46 39.88	-07 30 13.2		9 675	(3042)	1989 11 04.42274	03 26 28.86	+18 25 05.4	9 675
(2856)	1993 09 21.34497	23 46 37.94	-07 30 17.6		9 675	(3042)	1989 11 04.45694	03 26 26.61	+18 24 52.4	9 675
(2866)	1951 09 09.28125	22 42 45.18	-01 23 17.1		6 675	(3048)	1994 11 28.27708	03 55 31.74	+18 39 00.1	9 675
(2866)	1951 09 09.30833	22 42 43.67	-01 23 19.7		6 675	(3048)	1994 11 28.31979	03 55 28.98	+18 38 49.6	9 675
(2870)	1988 05 10.37569	15 54 30.99	-16 53 46.1		9 675	(3054)	1993 08 13.22865	21 00 56.81	-16 19 33.4	9 675
(2870)	1988 05 10.40608	15 54 29.13	-16 53 42.6		9 675	(3054)	1993 08 13.25729	21 00 55.46	-16 19 40.8	9 675
(2877)	1989 03 07.46701	12 54 46.54	-02 29 41.3		9 675	(3068)	1988 09 10.38542	00 20 02.33	-02 45 58.7	9 675
(2877)	1989 03 07.49540	12 54 45.60	-02 29 34.1		9 675	(3068)	1988 09 10.41528	00 20 00.60	-02 46 05.3	9 675
(2897)	1993 05 21.21979	13 42 09.35	-09 19 52.6		9 675	(3070)	1989 11 04.42274	03 57 11.93	+17 09 52.0	9 675
(2897)	1993 05 21.25347	13 42 08.19	-09 19 54.0		9 675	(3070)	1989 11 04.45694	03 57 10.08	+17 09 44.7	9 675
(2897)	1994 09 12.33455	23 23 03.11	-13 22 28.9		9 675	(3071)	1992 06 28.44340	22 06 36.89	-11 42 14.2	9 675
(2897)	1994 09 12.36667	23 23 01.02	-13 22 37.5		9 675	(3071)	1992 06 28.47014	22 06 36.57	-11 42 17.7	9 675
(2900)	1989 04 01.41354	14 06 43.86	-15 21 22.2		9 675	(3087)	1992 08 24.27813	22 18 38.12	-15 02 12.9	9 675
(2900)	1989 04 01.45399	14 06 42.11	-15 21 21.2		9 675	(3087)	1992 08 24.31389	22 18 35.85	-15 02 12.0	9 675
(2901)	1993 05 21.21979	13 57 15.98	-09 35 17.5		9 675	(3108)	1988 05 10.37569	16 17 01.97	-16 00 38.8	9 675
(2901)	1993 05 21.25347	13 57 14.79	-09 35 13.0		9 675	(3108)	1988 05 10.40608	16 17 00.14	-16 00 32.3	9 675
(2902)	1990 04 01.38160	13 03 02.36	-04 35 13.9		9 675	(3111)	1992 10 25.42760	03 50 35.93	+16 56 42.2	9 675
(2916)	1988 09 10.24705	22 15 18.81	-07 47 16.1		9 675	(3111)	1992 10 25.46094	03 50 34.49	+16 56 38.7	9 675
(2916)	1988 09 10.28420	22 15 16.64	-07 47 24.3		9 675	(3111)	1992 11 28.30990	03 18 21.74	+15 45 00.0	9 675
(2926)	1953 09 07.25451	21 20 19.87	-09 25 42.5		6 675	(3112)	1992 10 25.33490	02 12 34.40	+08 47 51.2	9 675
(2926)	1953 09 07.27778	21 20 18.98	-09 25 48.6		6 675	(3112)	1992 10 25.37014	02 12 32.11	+08 47 44.7	9 675
(2932)	1993 08 13.22865	20 35 54.06	-16 33 47.6		9 675	(3119)	1989 01 08.42361	09 06 39.32	+18 19 52.5	9 675
(2932)	1993 08 13.25729	20 35 52.88	-16 33 52.6		9 675	(3119)	1989 01 08.45990	09 06 37.87	+18 20 04.0	9 675
(2951)	1993 08 14.40139	23 33 11.66	-18 57 19.5		9 675	(3119)	1992 08 24.27813	22 06 06.06	-16 16 38.1	9 675
(2951)	1993 08 14.42899	23 33 10.59	-18 57 26.3		9 675	(3119)	1992 08 24.31389	22 06 04.30	-16 16 50.6	9 675
(2957)	1989 08 02.37951	21 57 26.99	+01 11 59.8		9 675	(3125)	1992 06 28.44340	21 41 33.35	-12 19 24.8	9 675
(2957)	1989 08 02.40955	21 57 25.74	+01 11 58.1		9 675	(3125)	1992 06 28.47014	21 41 32.98	-12 19 31.8	9 675
(2973)	1988 09 10.24705	21 57 34.35	-12 31 48.8		9 675	(3129)	1993 09 21.30747	23 54 35.87	-09 35 20.8	9 675
(2973)	1988 09 10.28420	21 57 32.49	-12 31 56.9		9 675	(3129)	1993 09 21.34497	23 54 33.95	-09 35 34.1	9 675
(2974)	1993 05 21.21979	13 52 26.95	-10 16 32.8		9 675	(3133)	1992 02 05.23038	07 09 40.43	+33 59 59.4	9 675
(2974)	1993 05 21.25347	13 52 25.68	-10 16 20.0		9 675	(3133)	1992 02 05.26806	07 09 38.72	+33 59 54.3	9 675
(2976)	1993 05 21.21979	14 01 47.64	-09 36 32.5		9 675	(3140)	1991 08 06.34201	22 30 54.47	-22 09 16.0	9 675
(2976)	1993 05 21.25347	14 01 46.55	-09 36 25.5		9 675	(3140)	1991 08 06.37951	22 30 53.07	-22 09 34.5	9 675
(2977)	1993 11 16.38785	03 51 17.63	+05 28 08.2		9 675	(3146)	1992 10 26.47708	03 44 32.58	+10 37 31.8	9 675
(2977)	1993 11 16.41632	03 51 16.00	+05 28 00.9		9 675	(3146)	1992 10 26.51059	03 44 30.77	+10 37 18.8	9 675
(2981)	1988 09 10.24705	21 54 39.82	-11 56 29.7		9 675	(3146)	1992 11 27.31597	03 15 13.61	+07 50 22.2	9 675
(2992)	1994 04 03.27242	11 48 37.65	+00 43 43.5		9 675	(3146)	1992 11 28.27604	03 14 24.20	+07 46 53.6	9 675
(2992)	1994 04 03.31215	11 48 35.97	+00 44 01.4		9 675	(3146)	1992 11 28.30990	03 14 22.37	+07 46 47.4	9 675
(2995)	1993 04 14.17240	11 27 57.14	+09 35 07.7		9 675	(3166)	1991 08 06.34201	22 16 26.86	-19 43 47.5	9 675
(2995)	1993 04 14.20729	11 27 56.44	+09 35 23.2		9 675	(3166)	1991 08 06.37951	22 16 24.75	-19 44 03.0	9 675
(2998)	1989 04 01.41354	14 31 51.02	-11 08 14.2		9 675	(3171)	1993 04 14.17240	11 33 33.84	+12 04 13.7	9 675
(3006)	1993 05 21.21979	13 52 39.91	-14 10 11.7		9 675	(3171)	1993 04 14.20729	11 33 32.88	+12 04 12.1	9 675

(3172)	1992 08 24.31389	22 25 32.13	-17 33 42.5	9 675	(3303)	1989 05 09.17326	11 50 38.26	+03 36 38.5	9 675
(3191)	1994 11 05.39687	03 51 25.25	+20 23 36.6	9 675	(3305)	1993 03 23.27813	12 19 46.73	+10 25 22.4	9 675
(3191)	1994 11 28.27708	03 30 47.32	+19 36 03.3	9 675	(3305)	1993 03 23.31516	12 19 44.32	+10 25 27.4	9 675
(3191)	1994 11 28.31979	03 30 44.98	+19 35 57.6	9 675	(3310)	1950 04 22.32153	13 56 40.15	+05 32 50.6	6 675
(3195)	1953 09 07.25451	21 19 33.18	-14 33 27.0	6 675	(3310)	1950 04 22.35035	13 56 38.79	+05 32 54.9	6 675
(3195)	1953 09 07.27778	21 19 32.36	-14 33 30.5	6 675	(3312)	1989 08 30.27656	22 13 41.46	+03 09 58.8	9 675
(3206)	1988 10 09.37135	01 41 00.57	-03 35 36.1	9 675	(3312)	1989 08 30.31233	22 13 39.91	+03 09 43.7	9 675
(3206)	1988 10 09.40260	01 40 58.79	-03 35 41.3	9 675	(3315)	1950 04 22.32153	14 05 31.86	+03 22 27.6	6 675
(3206)	1988 11 04.25017	01 17 17.12	-03 38 41.4	9 675	(3315)	1950 04 22.35035	14 05 30.47	+03 22 38.9	6 675
(3206)	1988 11 04.28073	01 17 15.61	-03 38 35.7	9 675	(3325)	1992 11 27.21007	02 30 59.50	+15 40 27.7	9 675
(3208)	1988 09 10.24705	22 17 33.87	-11 46 04.1	9 675	(3325)	1992 11 27.24115	02 30 57.95	+15 40 31.6	9 675
(3208)	1988 09 10.28420	22 17 32.30	-11 46 11.8	9 675	(3326)	1989 05 07.29948	14 11 01.16	-17 14 03.8	9 675
(3209)	1993 07 26.43611	00 05 49.27	-03 31 23.1	17.5 9 675	(3326)	1989 05 07.33403	14 10 59.02	-17 13 56.1	9 675
(3213)	1993 05 21.21979	13 48 58.65	-11 18 47.4	9 675	(3334)	1993 05 21.25347	13 56 04.85	-08 08 00.2	9 675
(3213)	1993 05 21.25347	13 48 57.64	-11 18 40.5	9 675	(3337)	1993 05 21.21979	13 52 54.31	-09 38 59.8	9 675
(3214)	1993 07 21.38976	22 50 51.85	-19 31 31.1	9 675	(3337)	1993 05 21.25347	13 52 53.18	-09 38 53.8	9 675
(3214)	1993 07 21.42465	22 50 51.29	-19 31 45.8	9 675	(3338)	1992 10 21.44306	03 30 36.65	+17 40 56.2	9 675
(3214)	1993 10 10.13420	22 05 38.84	-25 35 52.3	9 675	(3338)	1992 11 27.21007	02 51 10.18	+15 07 49.3	9 675
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(3221)	1989 01 08.45990	08 47 57.59	+21 54 21.6	9 675	(3347)	1994 03 14.41024	12 24 11.91	-04 00 34.1	9 675
(3221)	1994 11 28.27708	03 47 38.25	+18 02 05.1	9 675	(3347)	1994 03 14.46406	12 24 09.61	-04 00 17.3	9 675
(3221)	1994 11 28.31979	03 47 35.25	+18 02 00.9	9 675	(3347)	1994 04 03.27242	12 10 20.94	-02 07 50.5	9 675
(3236)	1989 04 01.41354	14 19 00.51	-14 14 34.5	9 675	(3347)	1994 04 03.31215	12 10 19.27	-02 07 36.1	9 675
(3236)	1989 04 01.45399	14 18 58.43	-14 14 22.7	9 675	(3355)	1992 10 25.33490	02 21 02.22	+06 13 00.3	9 675
(3238)	1988 11 09.34132	02 37 01.93	+28 18 41.9	9 675	(3355)	1992 10 25.37014	02 21 00.10	+06 12 46.7	9 675
(3238)	1988 11 09.38924	02 36 58.61	+28 18 44.8	9 675	(3370)	1992 10 26.43003	03 24 54.21	+05 00 11.1	9 675
(3260)	1993 05 21.21979	13 50 13.09	-15 34 18.5	9 675	(3372)	1994 11 28.27708	03 37 38.16	+23 17 41.6	9 675
(3260)	1993 05 21.25347	13 50 11.97	-15 34 05.5	9 675	(3373)	1988 09 10.24705	22 11 30.00	-09 12 36.8	9 675
(3275)	1992 02 05.23038	07 13 10.25	+35 12 13.9	9 675	(3373)	1988 09 10.28420	22 11 28.03	-09 12 50.7	9 675
(3275)	1992 02 05.26806	07 13 07.97	+35 12 12.9	9 675	(3377)	1993 05 21.21979	13 43 52.34	-10 41 53.8	19.0 9 675
(3275)	1994 11 28.27708	03 31 46.09	+22 25 31.9	9 675	(3377)	1993 05 21.25347	13 43 51.29	-10 41 48.1	9 675
(3275)	1994 11 28.31979	03 31 43.16	+22 25 29.5	9 675	(3379)	1992 06 28.44340	21 42 25.00	-12 16 27.3	9 675
(3277)	1993 08 14.40139	23 34 54.82	-17 15 30.1	9 675	(3379)	1992 06 28.47014	21 42 24.67	-12 16 29.5	9 675
(3277)	1993 08 14.42899	23 34 54.19	-17 15 41.3	9 675	(3386)	1953 09 07.25451	21 18 44.23	-14 23 48.1	6 675
(3280)	1990 04 01.38160	13 02 04.32	-09 48 28.9	9 675	(3386)	1953 09 07.27778	21 18 43.37	-14 23 52.7	6 675
(3280)	1990 04 01.40660	13 02 03.01	-09 48 22.5	9 675	(3386)	1992 10 21.42847	03 28 41.79	+16 02 33.8	9 675
(3280)	1994 03 14.41024	12 16 38.82	-04 20 45.2	9 675	(3386)	1992 10 21.45729	03 28 40.62	+16 02 28.3	9 675
(3280)	1994 03 14.46406	12 16 36.01	-04 20 28.6	9 675	(3386)	1992 11 27.21007	02 58 37.47	+13 45 24.8	9 675
(3280)	1994 04 03.27242	11 59 16.77	-02 39 28.4	9 675	(3386)	1992 11 27.24115	02 58 36.07	+13 45 19.1	9 675
(3280)	1994 04 03.31215	11 59 14.66	-02 39 15.2	9 675	(3386)	1992 11 28.27604	02 57 50.68	+13 42 14.1	9 675
(3290)	1988 09 10.24705	22 21 34.20	-14 00 45.0	9 675	(3386)	1992 11 28.30990	02 57 49.17	+13 42 07.7	9 675
(3290)	1988 09 10.28420	22 21 32.98	-14 00 50.3	9 675	(3396)	1993 04 14.17240	11 31 58.75	+10 40 13.0	9 675
(3293)	1993 07 25.31372	21 18 21.88	-19 03 25.6	9 675	(3396)	1993 04 14.20729	11 31 57.64	+10 40 16.0	9 675
(3293)	1993 07 25.34244	21 18 20.21	-19 03 33.2	9 675	(3403)	1988 05 10.37569	16 17 01.65	-16 32 02.2	9 675
(3293)	1993 08 13.22865	20 59 31.94	-20 12 51.1	9 675	(3403)	1988 05 10.40608	16 17 00.17	-16 31 51.7	9 675
(3293)	1993 08 13.25729	20 59 30.04	-20 12 56.8	9 675	(3408)	1992 11 28.27604	03 21 14.21	+13 19 03.4	9 675
(3293)	1994 11 05.36597	03 47 44.37	+22 18 57.5	9 675	(3408)	1992 11 28.30990	03 21 12.27	+13 18 59.6	9 675
(3293)	1994 11 05.39687	03 47 42.63	+22 18 53.6	9 675	(3411)	1991 09 14.31493	23 15 04.78	-14 45 40.2	9 675
(3296)	1990 01 29.52431	10 12 24.39	+21 44 51.5	9 675	(3411)	1991 09 14.36765	23 15 01.52	-14 45 56.7	9 675
(3303)	1989 03 29.31615	12 12 46.78	+01 56 50.9	9 675	(3421)	1990 04 01.38160	12 54 56.11	-09 30 46.5	9 675
(3303)	1989 03 29.34497	12 12 45.47	+01 56 58.0	9 675	(3422)	1992 10 22.37257	03 48 28.15	-00 08 47.8	9 675

(3422)	1992 10 22.40521	03 48 26.75	-00 08 55.8	9 675	(3597)	1994 03 14.46406	12 22 57.78	+01 12 48.3	9 675
(3424)	1988 09 10.38542	00 34 29.14	-02 15 12.5	9 675	(3597)	1994 04 03.27242	12 09 05.27	+02 41 48.3	9 675
(3424)	1988 09 10.41528	00 34 27.95	-02 15 27.3	9 675	(3597)	1994 04 03.31215	12 09 03.53	+02 41 59.3	9 675
(3426)	1993 09 21.30747	23 56 37.71	-03 33 05.5	9 675	(3602)	1989 08 02.37951	22 12 50.69	-01 29 35.5	9 675
(3426)	1993 09 21.34497	23 56 35.36	-03 33 08.1	9 675	(3602)	1989 08 02.40955	22 12 49.28	-01 29 38.4	9 675
(3432)	1993 08 14.40139	23 36 57.93	-13 58 36.9	9 675	(3607)	1994 03 14.41024	12 18 42.28	-01 47 51.7	9 675
(3432)	1993 08 14.42899	23 36 56.77	-13 58 39.8	9 675	(3607)	1994 03 14.46406	12 18 39.00	-01 47 37.5	9 675
(3432)	1993 09 21.23420	23 05 06.59	-15 00 58.0	9 675	(3607)	1994 04 03.27242	11 59 04.75	-00 18 20.8	9 675
(3432)	1993 09 21.27031	23 05 04.72	-15 00 58.1	9 675	(3607)	1994 04 03.31215	11 59 02.46	-00 18 09.3	9 675
(3434)	1994 11 28.27708	04 00 47.54	+18 03 18.6	9 675	(3610)	1992 10 21.42847	03 38 03.67	+15 53 39.1	9 675
(3436)	1989 04 01.41354	14 08 44.59	-12 10 10.8	9 675	(3610)	1992 10 21.45729	03 38 02.40	+15 53 33.7	9 675
(3436)	1989 04 01.45399	14 08 42.92	-12 10 00.0	9 675	(3610)	1992 11 27.21007	03 00 26.89	+13 40 25.1	9 675
(3444)	1988 09 10.24705	22 21 03.13	-11 10 49.5	9 675	(3610)	1992 11 27.24115	03 00 25.06	+13 40 19.4	9 675
(3444)	1988 09 10.28420	22 21 00.88	-11 10 53.6	9 675	(3610)	1992 11 28.27604	02 59 25.79	+13 37 25.4	9 675
(3450)	1992 08 24.27813	22 13 37.08	-21 45 20.8	9 675	(3610)	1992 11 28.30990	02 59 23.86	+13 37 20.4	9 675
(3450)	1992 08 24.31389	22 13 35.13	-21 45 32.4	9 675	(3615)	1994 11 05.36597	03 50 12.26	+17 10 33.3	9 675
(3452)	1993 05 21.21979	14 06 54.15	-11 49 52.2	17.8 9 675	(3615)	1994 11 05.39687	03 50 10.88	+17 10 28.3	9 675
(3452)	1993 05 21.25347	14 06 52.50	-11 49 47.5	9 675	(3633)	1953 09 07.27778	21 09 24.14	-10 57 11.4	6 675
(3455)	1991 05 18.33056	15 22 24.99	-12 19 27.2	9 675	(3654)	1989 05 07.29948	14 18 38.90	-12 41 08.4	9 675
(3455)	1991 05 18.36024	15 22 23.20	-12 19 19.4	9 675	(3659)	1949 11 19.25833	03 09 03.18	+13 30 39.9	6 675
(3457)	1993 04 14.17240	11 26 50.61	+08 30 38.5	9 675	(3665)	1954 08 08.36667	22 33 33.97	-22 54 31.1	6 675
(3457)	1993 04 14.20729	11 26 49.57	+08 30 43.9	9 675	(3665)	1954 08 08.39167	22 33 32.92	-22 54 49.9	6 675
(3478)	1992 11 30.32760	02 25 36.70	+06 53 53.9	9 675	(3669)	1949 11 19.25833	03 18 17.33	+12 37 14.1	6 675
(3478)	1992 11 30.36007	02 25 35.69	+06 53 55.3	9 675	(3669)	1949 11 19.28646	03 18 15.46	+12 37 11.0	6 675
(3490)	1988 11 09.34132	02 55 54.69	+26 57 06.1	9 675	(3673)	1992 08 24.27813	22 16 32.59	-20 14 22.6	9 675
(3490)	1988 11 09.38924	02 55 51.34	+26 56 58.3	9 675	(3673)	1992 08 24.31389	22 16 30.12	-20 14 29.6	9 675
(3499)	1990 04 01.40660	13 13 41.35	-05 18 20.1	9 675	(3677)	1990 04 01.38160	12 48 04.18	-06 56 00.3	9 675
(3514)	1989 01 08.42361	08 50 52.06	+22 19 47.9	9 675	(3677)	1990 04 01.40660	12 48 02.76	-06 55 49.2	9 675
(3514)	1989 01 08.45990	08 50 50.83	+22 19 54.4	9 675	(3683)	1954 08 08.36667	22 37 40.99	-25 56 55.0	6 675
(3518)	1950 04 22.32153	14 13 37.79	+07 03 34.6	6 675	(3683)	1954 10 02.23472	22 02 53.73	-29 57 05.3	6 675
(3518)	1950 04 22.35035	14 13 36.36	+07 03 46.2	6 675	(3683)	1954 10 02.25486	22 02 53.30	-29 57 05.9	6 675
(3525)	1989 04 01.41354	14 14 41.91	-17 08 29.9	9 675	(3684)	1992 10 26.47708	03 43 33.97	+11 06 03.5	9 675
(3525)	1989 04 01.45399	14 14 40.29	-17 08 23.9	9 675	(3684)	1992 10 26.51059	03 43 32.27	+11 05 57.7	9 675
(3543)	1989 01 08.42361	08 36 41.78	+17 37 38.8	9 675	(3684)	1992 11 28.27604	03 09 35.10	+10 02 37.1	9 675
(3543)	1989 01 08.45990	08 36 40.26	+17 37 44.1	9 675	(3684)	1992 11 28.30990	03 09 32.99	+10 02 36.4	9 675
(3561)	1989 01 08.42361	08 51 42.16	+19 12 17.1	9 675	(3692)	1991 05 18.33056	15 13 42.31	-13 16 54.1	9 675
(3561)	1989 01 08.45990	08 51 41.00	+19 12 24.7	9 675	(3692)	1991 05 18.36024	15 13 40.84	-13 16 38.3	9 675
(3561)	1993 07 26.43611	00 06 43.17	-08 44 24.1	9 675	(3698)	1993 04 14.17240	11 37 31.24	+07 11 50.7	9 675
(3561)	1993 07 26.47865	00 06 43.22	-08 44 32.9	9 675	(3698)	1993 04 14.20729	11 37 29.76	+07 12 00.1	9 675
(3564)	1990 01 29.47708	10 38 05.05	+25 44 25.5	9 675	(3704)	1992 10 21.41493	03 00 51.75	+19 26 00.6	9 675
(3564)	1990 01 29.52431	10 38 03.70	+25 44 35.2	9 675	(3704)	1992 10 21.44306	03 00 50.29	+19 25 51.2	9 675
(3576)	1993 08 14.40139	23 37 16.35	-15 10 33.7	9 675	(3704)	1992 11 27.21007	02 27 55.33	+15 22 59.6	9 675
(3576)	1993 08 14.42899	23 37 15.24	-15 10 38.3	9 675	(3704)	1992 11 27.24115	02 27 54.01	+15 22 49.1	9 675
(3590)	1992 08 24.27813	22 10 32.60	-15 44 35.7	9 675	(3716)	1994 03 14.41024	12 31 57.89	-00 20 45.8	17.2 9 675
(3590)	1992 08 24.31389	22 10 30.47	-15 44 53.7	9 675	(3716)	1994 03 14.46406	12 31 55.21	-00 20 24.1	9 675
(3593)	1992 10 21.41493	03 09 37.69	+19 26 18.2	9 675	(3716)	1994 04 03.27242	12 13 53.74	+01 57 38.6	9 675
(3593)	1992 10 21.44306	03 09 36.17	+19 26 12.9	9 675	(3716)	1994 04 03.31215	12 13 51.44	+01 57 54.5	9 675
(3593)	1992 11 27.21007	02 32 25.50	+16 25 54.2	9 675	(3718)	1989 05 07.29948	14 14 16.92	-10 12 17.0	9 675
(3593)	1992 11 27.24115	02 32 23.93	+16 25 45.0	9 675	(3718)	1989 05 07.33403	14 14 15.12	-10 12 10.2	9 675
(3597)	1989 04 01.41354	14 22 29.44	-11 14 19.2	9 675	(3738)	1993 05 21.21979	13 54 21.95	-13 43 33.3	9 675
(3597)	1989 04 01.45399	14 22 27.93	-11 14 11.5	9 675	(3738)	1993 05 21.25347	13 54 20.64	-13 43 26.7	9 675
(3597)	1994 03 14.41024	12 23 00.16	+01 12 33.0	9 675	(3748)	1989 05 07.29948	14 24 45.27	-15 57 03.7	9 675

(3748)	1989 05 07.33403	14 24 43.16	-15 56 59.7	9 675	(3912)	1994 04 03.31215	12 02 53.12	+01 16 00.0	9 675
(3748)	1993 05 21.21979	13 55 36.56	-13 32 54.1	9 675	(3913)	1988 09 10.24705	22 28 40.58	-12 01 40.7	9 675
(3748)	1993 05 21.25347	13 55 35.26	-13 32 52.3	9 675	(3913)	1988 09 10.28420	22 28 38.70	-12 02 09.0	9 675
(3755)	1993 05 21.21979	13 34 30.03	-11 25 01.8	9 675	(3916)	1990 04 01.38160	12 56 41.90	-05 16 30.3	9 675
(3755)	1993 05 21.25347	13 34 28.80	-11 24 46.6	9 675	(3916)	1990 04 01.40660	12 56 40.73	-05 16 26.2	9 675
(3763)	1989 04 01.41354	14 24 17.42	-14 53 20.2	9 675	(3917)	1992 11 27.21007	02 38 38.14	+11 11 54.5	9 675
(3763)	1989 04 01.45399	14 24 15.47	-14 53 24.4	9 675	(3917)	1992 11 30.32760	02 36 23.35	+11 04 44.6	9 675
(3769)	1989 03 07.46701	13 02 40.77	+00 19 11.6	9 675	(3917)	1992 11 30.36007	02 36 21.92	+11 04 40.4	9 675
(3769)	1989 03 07.49540	13 02 39.50	+00 19 19.2	9 675	(3917)	1994 03 14.41024	12 39 54.89	-01 05 51.6	9 675
(3778)	1989 05 07.29948	14 04 54.26	-14 32 52.5	9 675	(3924)	1988 09 10.24705	22 01 45.60	-11 23 02.0	9 675
(3778)	1989 05 07.33403	14 04 52.60	-14 32 44.3	9 675	(3924)	1988 09 10.28420	22 01 43.83	-11 23 05.9	9 675
(3781)	1994 03 14.41024	12 28 20.35	-03 06 40.0	9 675	(3929)	1988 09 10.24705	22 18 06.61	-11 12 24.3	9 675
(3781)	1994 03 14.46406	12 28 17.93	-03 06 22.7	9 675	(3929)	1988 09 10.28420	22 18 04.82	-11 12 37.7	9 675
(3781)	1994 04 03.27242	12 13 07.04	-01 15 56.5	9 675	(3938)	1989 11 04.42274	03 37 47.81	+16 10 14.7	9 675
(3791)	1989 05 07.29948	14 24 06.97	-16 16 45.0	9 675	(3938)	1989 11 04.45694	03 37 45.95	+16 10 07.2	9 675
(3791)	1989 05 07.33403	14 24 05.21	-16 16 36.9	9 675	(3942)	1988 09 10.38542	00 09 12.18	-03 01 58.4	9 675
(3802)	1993 09 21.23420	23 08 42.54	-10 17 44.0	9 675	(3942)	1988 09 10.41528	00 09 10.46	-03 02 03.4	9 675
(3802)	1993 09 21.27031	23 08 40.75	-10 17 58.9	9 675	(3942)	1992 10 21.41493	03 13 01.82	+21 08 22.9	9 675
(3804)	1989 11 04.42274	03 36 36.37	+21 00 27.6	9 675	(3942)	1992 10 21.44306	03 13 00.14	+21 08 21.2	9 675
(3804)	1989 11 04.45694	03 36 34.59	+21 00 23.9	9 675	(3943)	1988 11 09.42743	04 19 03.00	+31 12 46.3	9 675
(3804)	1994 11 28.27708	03 43 00.85	+21 48 20.3	9 675	(3943)	1988 11 09.45833	04 19 00.92	+31 12 50.5	9 675
(3804)	1994 11 28.31979	03 42 58.50	+21 48 13.1	9 675	(3946)	1994 03 14.41024	12 30 29.31	-04 02 02.1	9 675
(3805)	1989 01 08.42361	08 59 37.26	+20 10 39.2	9 675	(3946)	1994 03 14.46406	12 30 26.85	-04 01 48.1	9 675
(3805)	1989 01 08.45990	08 59 35.22	+20 10 39.9	9 675	(3946)	1994 04 03.27242	12 15 33.86	-02 30 49.8	9 675
(3817)	1949 11 19.27084	03 16 11.76	+12 36 02.4	6 675	(3946)	1994 04 03.31215	12 15 32.01	-02 30 39.9	9 675
(3818)	1994 11 28.31979	03 36 05.54	+19 35 35.5	9 675	(3955)	1988 11 09.42743	03 53 18.12	+29 05 04.6	9 675
(3819)	1993 03 23.27813	12 28 09.79	+09 27 14.0	9 675	(3955)	1988 11 09.45833	03 53 16.40	+29 05 08.5	9 675
(3819)	1993 03 23.31516	12 28 07.74	+09 27 22.6	9 675	(3973)	1992 10 25.42760	03 44 50.53	+18 29 56.0	9 675
(3821)	1994 04 03.27242	11 58 17.46	+01 00 18.1	9 675	(3973)	1992 10 25.46094	03 44 48.74	+18 29 51.8	9 675
(3821)	1994 04 03.31215	11 58 15.80	+01 00 29.6	9 675	(3981)	1993 07 26.47865	23 43 51.79	-05 14 32.2	9 675
(3834)	1994 11 28.27708	03 38 07.17	+21 02 42.2	9 675	(3981)	1993 09 21.23420	23 14 09.30	-08 56 59.5	9 675
(3834)	1994 11 28.31979	03 38 04.25	+21 02 41.6	9 675	(3981)	1993 09 21.27031	23 14 07.64	-08 57 08.9	9 675
(3841)	1993 10 10.13420	22 03 07.80	-19 36 57.1	9 675	(4001)	1989 01 08.42361	08 50 33.98	+16 21 25.4	9 675
(3855)	1953 10 10.47674	04 13 51.24	+10 14 54.0	6 675	(4001)	1989 01 08.45990	08 50 31.98	+16 21 36.8	9 675
(3855)	1953 10 10.50000	04 13 50.86	+10 14 50.6	6 675	(4001)	1993 04 14.17240	11 37 38.14	+09 35 00.3	9 675
(3861)	1988 05 10.37569	16 23 35.09	-14 59 24.2	9 675	(4003)	1991 05 18.33056	15 04 24.07	-12 37 35.3	9 675
(3861)	1988 05 10.40608	16 23 33.56	-14 59 14.7	9 675	(4003)	1991 05 18.36024	15 04 22.78	-12 37 28.6	9 675
(3865)	1989 05 07.29948	14 14 12.76	-12 13 32.7	9 675	(4013)	1989 05 07.29948	14 18 13.09	-13 27 26.9	9 675
(3865)	1989 05 07.33403	14 14 10.97	-12 13 15.1	9 675	(4013)	1994 03 14.41024	12 31 43.74	-03 32 37.0	9 675
(3877)	1994 10 01.37378	01 55 19.07	+22 46 41.5	9 675	(4014)	1992 10 21.41493	03 15 16.71	+19 17 11.8	9 675
(3877)	1994 10 01.40191	01 55 17.74	+22 46 33.0	9 675	(4014)	1992 10 21.44306	03 15 15.62	+19 17 07.3	9 675
(3878)	1949 11 19.28646	03 16 07.44	+14 42 47.4	6 675	(4014)	1992 11 27.21007	02 48 27.44	+17 18 53.7	9 675
(3886)	1949 11 19.25833	03 07 12.25	+11 54 41.7	6 675	(4014)	1992 11 27.24115	02 48 26.17	+17 18 49.2	9 675
(3886)	1949 11 19.28646	03 07 10.80	+11 54 35.5	6 675	(4024)	1993 03 23.27813	12 19 56.10	+11 08 27.8	9 675
(3905)	1988 09 10.24705	22 14 45.56	-13 46 22.2	9 675	(4024)	1993 03 23.31516	12 19 53.64	+11 08 34.6	9 675
(3905)	1988 09 10.28420	22 14 43.10	-13 46 19.8	9 675	(4028)	1992 06 28.44340	21 58 27.49	-09 24 56.7	9 675
(3906)	1993 07 26.43611	00 08 32.20	-07 21 41.8	9 675	(4051)	1989 01 08.42361	08 45 55.48	+16 50 29.9	9 675
(3906)	1993 08 17.40260	00 08 44.24	-11 42 38.6	9 675	(4051)	1989 01 08.45990	08 45 53.60	+16 50 34.6	9 675
(3906)	1993 08 17.42934	00 08 43.83	-11 43 00.8	9 675	(4056)	1991 09 14.31493	23 34 19.23	-12 54 44.3	9 675
(3912)	1994 03 14.41024	12 21 33.53	-00 22 15.5	9 675	(4056)	1991 09 14.36765	23 34 16.79	-12 55 12.6	9 675
(3912)	1994 03 14.46406	12 21 30.45	-00 21 59.0	9 675	(4066)	1994 11 05.36597	03 51 20.32	+21 49 29.9	9 675
(3912)	1994 04 03.27242	12 02 55.23	+01 15 48.9	9 675	(4066)	1994 11 05.39687	03 51 18.25	+21 49 18.1	9 675

(4066)	1994 11 28.27708	03 26 22.01	+19 06 47.7	9 675	(4225)	1993 05 21.21979	14 04 16.77	-10 41 15.1	9 675
(4066)	1994 11 28.31979	03 26 19.35	+19 06 30.0	9 675	(4225)	1993 05 21.25347	14 04 15.18	-10 41 12.0	9 675
(4069)	1989 01 08.42361	08 45 08.75	+14 31 45.1	9 675	(4226)	1989 08 02.37951	22 13 57.30	-01 16 19.9	9 675
(4069)	1989 01 08.45990	08 45 06.66	+14 31 49.7	9 675	(4226)	1989 08 02.40955	22 13 56.39	-01 16 23.0	9 675
(4073)	1989 01 08.42361	08 57 53.89	+16 16 22.2	9 675	(4226)	1989 08 30.27656	21 56 15.88	-03 17 35.1	9 675
(4073)	1989 01 08.45990	08 57 52.49	+16 16 27.9	9 675	(4226)	1989 08 30.31233	21 56 14.38	-03 17 48.8	9 675
(4075)	1990 04 01.38160	12 48 54.35	-05 30 54.1	9 675	(4244)	1989 01 08.42361	08 42 39.69	+19 41 51.5	9 675
(4075)	1990 04 01.40660	12 48 53.12	-05 30 50.7	9 675	(4244)	1992 06 28.47014	21 49 24.18	-14 56 44.0	9 675
(4076)	1989 01 08.42361	09 07 19.76	+17 56 51.9	9 675	(4246)	1989 11 04.42274	03 48 33.23	+21 21 01.9	9 675
(4076)	1989 01 08.45990	09 07 18.21	+17 56 57.6	9 675	(4246)	1989 11 04.45694	03 48 30.90	+21 20 57.8	9 675
(4084)	1989 01 08.42361	08 46 09.99	+20 42 19.2	9 675	(4256)	1993 07 26.43611	00 10 47.83	-03 43 31.4	9 675
(4084)	1989 01 08.45990	08 46 08.31	+20 42 28.2	9 675	(4256)	1993 07 26.47865	00 10 48.43	-03 43 32.8	9 675
(4091)	1992 10 21.41493	03 07 50.20	+15 25 13.7	9 675	(4256)	1993 09 21.30747	23 43 05.88	-07 39 21.7	9 675
(4091)	1992 10 21.44306	03 07 48.85	+15 25 11.8	9 675	(4256)	1993 09 21.34497	23 43 03.68	-07 39 31.8	9 675
(4091)	1992 11 27.21007	02 38 07.28	+14 50 35.8	9 675	(4259)	1988 09 10.38542	00 19 00.49	-02 14 10.2	9 675
(4091)	1992 11 27.24115	02 38 05.96	+14 50 35.3	9 675	(4259)	1988 09 10.41528	00 18 59.15	-02 14 18.5	9 675
(4094)	1989 01 08.42361	08 52 28.47	+15 18 25.4	9 675	(4261)	1992 10 25.42760	03 37 46.45	+22 06 47.1	9 675
(4094)	1989 01 08.45990	08 52 26.71	+15 18 31.1	9 675	(4261)	1992 10 25.46094	03 37 44.94	+22 06 40.2	9 675
(4098)	1989 03 07.46701	12 37 20.51	+00 31 03.9	9 675	(4269)	1988 09 10.24705	22 12 42.45	-10 50 34.9	9 675
(4098)	1989 03 07.49540	12 37 19.51	+00 31 12.8	9 675	(4277)	1989 08 30.27656	22 14 16.29	+00 16 19.0	9 675
(4098)	1989 03 29.31615	12 22 06.07	+02 16 53.8	9 675	(4277)	1989 08 30.31233	22 14 14.23	+00 16 16.2	9 675
(4117)	1992 10 22.37257	03 38 38.68	+02 27 13.7	9 675	(4305)	1994 11 05.36597	03 36 51.09	+17 12 57.9	9 675
(4117)	1992 10 22.40521	03 38 37.31	+02 26 58.4	9 675	(4305)	1994 11 05.39687	03 36 49.52	+17 12 51.6	9 675
(4117)	1992 10 26.43003	03 35 51.55	+01 57 47.9	9 675	(4315)	1993 03 23.27813	12 30 13.23	+08 59 42.5	9 675
(4117)	1992 10 26.47153	03 35 49.86	+01 57 29.9	9 675	(4315)	1993 03 23.31516	12 30 11.06	+08 59 49.0	9 675
(4123)	1989 03 29.31615	12 13 56.14	+02 00 35.6	9 675	(4331)	1994 11 28.27708	03 57 10.14	+18 52 23.3	9 675
(4123)	1989 03 29.34497	12 13 54.72	+02 00 41.3	9 675	(4331)	1994 11 28.31979	03 57 07.07	+18 52 20.3	9 675
(4133)	1993 08 13.22865	21 06 05.82	-19 50 48.1	9 675	(4344)	1989 05 07.29948	14 13 13.23	-09 31 50.7	9 675
(4133)	1993 08 13.25729	21 06 03.95	-19 50 46.6	9 675	(4344)	1989 05 07.33403	14 13 11.64	-09 31 43.9	9 675
(4139)	1992 10 21.41493	03 11 38.37	+15 25 24.9	9 675	(4358)	1993 10 10.13420	22 18 58.42	-20 27 51.2	9 675
(4139)	1992 10 21.44306	03 11 37.15	+15 25 19.2	9 675	(4358)	1993 10 10.17373	22 18 57.74	-20 27 33.4	9 675
(4139)	1992 11 27.21007	02 42 56.63	+13 24 37.0	9 675	(4359)	1992 10 21.41493	03 07 52.34	+15 51 04.6	9 675
(4139)	1992 11 27.24115	02 42 55.40	+13 24 32.6	9 675	(4359)	1992 10 21.44306	03 07 50.84	+15 50 56.5	9 675
(4140)	1992 10 26.47708	03 50 26.30	+08 29 52.9	9 675	(4359)	1992 11 27.21007	02 33 55.40	+13 03 36.7	9 675
(4140)	1992 10 26.51059	03 50 24.92	+08 29 45.3	9 675	(4359)	1992 11 27.24115	02 33 54.13	+13 03 32.3	9 675
(4140)	1992 11 27.28142	03 24 47.73	+07 13 05.1	9 675	(4361)	1994 11 28.27708	03 47 55.27	+18 55 40.3	9 675
(4140)	1992 11 27.31597	03 24 46.07	+07 13 02.7	9 675	(4361)	1994 11 28.31979	03 47 52.95	+18 55 36.7	9 675
(4167)	1993 03 23.27813	12 31 10.16	+07 10 42.9	9 675	(4364)	1992 10 21.41493	03 15 38.07	+15 16 05.1	9 675
(4167)	1993 03 23.31516	12 31 08.39	+07 11 08.8	9 675	(4364)	1992 10 21.42847	03 15 37.34	+15 16 01.2	9 675
(4196)	1994 04 03.31215	11 50 26.69	+01 28 30.2	9 675	(4364)	1992 10 21.44306	03 15 36.69	+15 15 58.6	9 675
(4198)	1992 10 21.41493	03 20 19.00	+15 17 43.5	9 675	(4364)	1992 10 21.45729	03 15 35.87	+15 15 54.8	9 675
(4198)	1992 10 21.44306	03 20 17.95	+15 17 38.0	9 675	(4364)	1992 11 27.21007	02 39 56.43	+12 40 40.7	9 675
(4198)	1992 11 27.21007	02 51 57.05	+13 30 06.2	9 675	(4364)	1992 11 27.24115	02 39 54.87	+12 40 35.5	9 675
(4198)	1992 11 27.24115	02 51 55.60	+13 30 01.9	9 675	(4364)	1992 11 30.32760	02 37 25.32	+12 30 44.8	9 675
(4202)	1992 06 28.44340	21 37 44.66	-09 45 33.9	9 675	(4364)	1992 11 30.36007	02 37 23.82	+12 30 39.4	9 675
(4202)	1992 06 28.47014	21 37 44.42	-09 45 38.0	9 675	(4367)	1993 07 21.38976	22 21 53.48	-22 59 26.9	9 675
(4221)	1989 08 30.27656	22 00 14.75	+04 08 54.0	9 675	(4367)	1993 07 21.42465	22 21 52.27	-22 59 34.1	9 675
(4221)	1989 08 30.31233	22 00 13.08	+04 08 32.3	9 675	(4371)	1992 10 25.42760	03 38 51.36	+19 05 48.3	9 675
(4224)	1988 05 10.37569	16 06 20.54	-10 16 44.0	9 675	(4371)	1992 10 25.46094	03 38 49.62	+19 05 42.7	9 675
(4224)	1988 05 10.40608	16 06 19.21	-10 16 34.5	9 675	(4373)	1992 10 21.45729	03 45 06.39	+10 18 00.6	9 675
(4224)	1989 08 30.27656	21 50 39.86	+02 52 33.8	9 675	(4373)	1992 10 26.47708	03 42 16.64	+09 47 21.0	9 675
(4224)	1989 08 30.31233	21 50 38.33	+02 52 16.2	9 675	(4373)	1992 10 26.51059	03 42 15.33	+09 47 08.8	9 675

(4373)	1992 11 27.28142	03 14 45.19	+07 28 41.0	9 675	(4516)	1992 10 21.45729	03 41 32.81	+14 00 57.5	9 675
(4373)	1992 11 27.31597	03 14 43.38	+07 28 39.0	9 675	(4516)	1992 11 28.27604	03 10 54.31	+11 23 42.0	9 675
(4373)	1992 11 28.27604	03 13 58.63	+07 27 29.1	9 675	(4516)	1992 11 28.30990	03 10 52.68	+11 23 35.8	9 675
(4373)	1992 11 28.30990	03 13 56.93	+07 27 27.7	9 675	(4520)	1989 01 08.42361	08 47 37.45	+21 00 48.9	9 675
(4386)	1993 08 14.40139	23 37 43.04	-13 52 06.8	9 675	(4520)	1989 01 08.45990	08 47 35.25	+21 01 01.4	9 675
(4386)	1993 08 14.42899	23 37 42.29	-13 52 11.1	9 675	(4520)	1993 04 14.17240	11 32 00.60	+09 50 01.9	9 675
(4398)	1988 05 10.37569	16 20 33.06	-14 44 26.0	9 675	(4520)	1993 04 14.20729	11 31 59.15	+09 50 07.9	9 675
(4398)	1988 05 10.40608	16 20 31.37	-14 44 22.8	9 675	(4527)	1992 06 28.44340	21 44 50.86	-09 45 30.5	9 675
(4405)	1993 07 26.43611	23 45 03.55	-05 49 42.2	9 675	(4527)	1992 06 28.47014	21 44 51.51	-09 45 29.5	9 675
(4405)	1993 07 26.47865	23 45 03.76	-05 49 52.5	9 675	(4534)	1989 01 08.42361	08 57 49.06	+18 55 35.1	9 675
(4405)	1993 09 21.23420	23 21 19.63	-12 18 52.8	9 675	(4534)	1989 01 08.45990	08 57 47.38	+18 55 39.9	9 675
(4405)	1993 09 21.27031	23 21 18.14	-12 19 07.9	9 675	(4548)	1990 04 01.38160	13 09 22.53	-03 57 41.6	9 675
(4406)	1989 05 09.17326	11 46 51.27	+04 13 29.9	9 675	(4548)	1990 04 01.40660	13 09 20.91	-03 57 37.0	9 675
(4406)	1992 10 21.42847	03 25 24.77	+16 31 28.9	9 675	(4549)	1988 09 10.24705	22 17 27.39	-14 44 35.2	9 675
(4406)	1992 11 27.21007	02 57 31.33	+14 47 59.1	9 675	(4549)	1988 09 10.28420	22 17 25.26	-14 44 44.1	9 675
(4406)	1992 11 27.24115	02 57 29.90	+14 47 55.9	9 675	(4555)	1993 04 14.17240	11 30 46.19	+08 39 49.9	9 675
(4412)	1993 08 13.22865	20 52 42.40	-17 22 49.7	9 675	(4555)	1993 04 14.20729	11 30 44.86	+08 40 02.0	9 675
(4412)	1993 08 13.25729	20 52 40.99	-17 22 56.7	9 675	(4556)	1993 03 23.27813	12 08 34.72	+06 56 25.6	9 675
(4431)	1994 11 05.36597	03 56 58.88	+17 15 11.9	9 675	(4556)	1993 03 23.31516	12 08 32.48	+06 56 42.1	9 675
(4431)	1994 11 05.39687	03 56 57.46	+17 14 59.6	9 675	(4556)	1993 04 14.17240	11 49 35.50	+08 53 19.5	9 675
(4437)	1992 10 25.42760	03 38 44.88	+18 39 23.7	9 675	(4556)	1993 04 14.20729	11 49 34.02	+08 53 27.9	9 675
(4437)	1992 10 25.46094	03 38 43.38	+18 39 16.1	9 675	(4556)	1994 09 12.33455	23 21 26.05	-12 44 53.3	9 675
(4437)	1992 11 28.27604	03 06 45.66	+15 47 56.1	9 675	(4556)	1994 09 12.36667	23 21 24.28	-12 45 06.5	9 675
(4437)	1992 11 28.30990	03 06 43.83	+15 47 44.9	9 675	(4557)	1955 10 23.35278	02 52 36.51	-00 18 01.6	6 675
(4444)	1992 06 28.44340	22 05 28.98	-12 38 43.0	9 675	(4557)	1955 10 23.37778	02 52 35.31	-00 18 06.9	6 675
(4444)	1992 06 28.47014	22 05 29.49	-12 38 48.9	9 675	(4557)	1992 10 26.47708	03 56 21.59	+05 37 42.6	9 675
(4462)	1992 10 25.46094	03 34 00.64	+18 59 34.5	9 675	(4557)	1992 10 26.51059	03 56 20.26	+05 37 37.7	9 675
(4463)	1993 08 13.22865	20 46 43.46	-16 46 07.4	9 675	(4557)	1992 11 27.28142	03 31 10.13	+04 42 51.7	9 675
(4463)	1993 08 13.25729	20 46 42.01	-16 46 13.1	9 675	(4557)	1992 11 27.31597	03 31 08.41	+04 42 51.1	9 675
(4463)	1994 11 05.36597	03 39 06.18	+16 37 18.0	9 675	(4559)	1989 01 08.42361	09 08 04.71	+18 07 13.6	9 675
(4463)	1994 11 05.39687	03 39 04.73	+16 37 12.3	9 675	(4559)	1989 01 08.45990	09 08 03.31	+18 07 27.6	9 675
(4466)	1994 04 03.27242	11 56 23.40	+01 07 06.8	9 675	(4573)	1953 09 07.25451	21 20 41.36	-09 10 46.5	6 675
(4466)	1994 04 03.31215	11 56 21.65	+01 07 20.7	9 675	(4573)	1953 09 07.27778	21 20 40.41	-09 10 48.5	6 675
(4468)	1989 04 01.41354	14 18 04.70	-13 24 25.3	9 675	(4577)	1992 10 25.33490	02 10 36.33	+05 38 02.4	9 675
(4468)	1989 04 01.45399	14 18 02.63	-13 24 15.7	9 675	(4577)	1992 10 25.37014	02 10 34.04	+05 37 58.5	9 675
(4471)	1992 08 24.27813	22 09 03.35	-18 36 10.5	9 675	(4589)	1993 05 21.21979	13 49 30.30	-10 01 16.6	9 675
(4471)	1992 08 24.31389	22 09 01.07	-18 36 09.4	9 675	(4605)	1992 02 02.44878	10 08 03.26	+09 05 17.7	2 675
(4473)	1988 09 10.24705	21 56 53.62	-09 08 07.2	9 675	(4605)	1992 02 03.38941	10 07 08.07	+09 09 17.8	16.5 2 675
(4473)	1988 09 10.28420	21 56 51.95	-09 08 11.1	9 675	(4605)	1992 02 03.40747	10 07 06.89	+09 09 20.9	2 675
(4473)	1993 08 13.22865	20 54 53.87	-18 48 47.2	9 675	(4606)	1994 11 05.36597	03 52 48.53	+20 58 46.2	9 675
(4473)	1993 08 13.25729	20 54 52.43	-18 48 48.5	9 675	(4606)	1994 11 05.39687	03 52 46.76	+20 58 38.7	9 675
(4473)	1994 10 01.37378	01 57 56.24	+24 24 19.6	9 675	(4606)	1994 11 28.27708	03 28 43.00	+19 04 05.5	9 675
(4473)	1994 10 01.40191	01 57 55.01	+24 24 18.6	9 675	(4606)	1994 11 28.31979	03 28 40.29	+19 03 51.8	9 675
(4499)	1989 01 08.42361	09 00 27.39	+19 28 13.5	9 675	(4608)	1989 05 07.29948	14 30 49.12	-11 04 57.2	9 675
(4499)	1989 01 08.45990	09 00 25.79	+19 28 17.4	9 675	(4608)	1989 05 07.33403	14 30 47.07	-11 04 43.1	9 675
(4505)	1992 08 24.27813	21 58 10.28	-20 55 44.3	9 675	(4609)	1994 03 14.41024	12 31 15.98	-05 06 12.1	9 675
(4505)	1992 08 24.31389	21 58 08.53	-20 55 58.8	9 675	(4609)	1994 03 14.46406	12 31 13.86	-05 05 48.1	9 675
(4508)	1990 04 01.40660	13 01 19.87	-02 27 02.7	9 675	(4610)	1989 03 29.31615	12 10 27.61	+04 52 52.4	9 675
(4510)	1988 11 09.42743	03 48 57.51	+30 04 16.2	9 675	(4610)	1989 03 29.34497	12 10 26.02	+04 53 02.3	9 675
(4510)	1988 11 09.45833	03 48 55.31	+30 04 15.6	9 675	(4610)	1989 05 09.17326	11 48 14.74	+06 42 41.8	9 675
(4512)	1988 10 09.37135	01 54 17.24	-05 25 03.2	9 675	(4610)	1989 05 09.20382	11 48 14.62	+06 42 39.9	9 675
(4516)	1992 10 21.42847	03 41 33.82	+14 01 04.1	9 675	(4619)	1993 05 21.21979	13 40 50.88	-12 37 41.1	9 675

(4619)	1993 05 21.25347	13 40 49.88	-12 37 34.0	9 675	(4801)	1993 09 21.34497	00 07 15.74	-02 48 22.4	9 675
(4637)	1989 01 08.42361	08 51 32.63	+16 11 07.7	9 675	(4803)	1993 09 21.23420	23 00 17.37	-10 25 36.0	9 675
(4637)	1989 01 08.45990	08 51 30.82	+16 11 12.8	9 675	(4803)	1993 09 21.27031	23 00 15.72	-10 25 43.3	9 675
(4639)	1993 03 23.27813	12 09 16.84	+06 36 03.9	9 675	(4804)	1993 08 14.40139	23 20 54.23	-16 21 45.6	14.8 9 675
(4639)	1993 03 23.31516	12 09 14.60	+06 36 12.7	9 675	(4804)	1993 08 14.42899	23 20 53.33	-16 21 59.4	9 675
(4639)	1993 04 14.17240	11 49 18.59	+07 26 34.4	9 675	(4815)	1993 07 21.38976	22 26 29.55	-21 08 07.1	9 675
(4639)	1993 04 14.20729	11 49 16.98	+07 26 36.7	9 675	(4815)	1993 07 21.42465	22 26 28.60	-21 08 13.3	9 675
(4639)	1994 09 12.33455	23 28 33.82	-14 20 01.7	9 675	(4815)	1993 08 15.30000	22 07 04.62	-22 18 12.4	9 675
(4639)	1994 09 12.36667	23 28 31.83	-14 20 06.2	9 675	(4815)	1993 08 15.32726	22 07 02.85	-22 18 12.8	9 675
(4648)	1994 10 01.37378	02 00 40.19	+29 01 36.4	9 675	(4831)	1993 08 13.22865	21 02 09.89	-17 18 37.4	9 675
(4648)	1994 10 01.40191	02 00 38.86	+29 01 44.3	9 675	(4831)	1993 08 13.25729	21 02 08.47	-17 18 43.0	9 675
(4666)	1994 11 05.36597	03 44 01.77	+18 20 48.3	9 675	(4848)	1988 05 10.37569	16 20 27.27	-12 54 13.4	9 675
(4666)	1994 11 05.39687	03 43 59.89	+18 20 27.0	9 675	(4855)	1992 10 25.42760	03 56 33.32	+20 21 58.9	18.8 9 675
(4678)	1989 03 07.46701	12 37 31.94	-00 58 44.7	9 675	(4855)	1992 10 25.46094	03 56 31.63	+20 21 49.4	9 675
(4678)	1989 03 07.49540	12 37 30.59	-00 58 35.5	9 675	(4863)	1989 01 08.42361	08 54 51.87	+20 44 37.3	9 675
(4678)	1989 03 29.31615	12 16 56.99	+00 54 40.1	9 675	(4863)	1989 01 08.45990	08 54 50.23	+20 44 45.1	9 675
(4678)	1989 03 29.34497	12 16 55.30	+00 54 48.6	9 675	(4863)	1992 10 25.42760	03 43 48.71	+21 07 02.1	9 675
(4680)	1993 08 13.22865	21 00 13.22	-15 01 39.8	17.2 9 675	(4863)	1992 10 25.46094	03 43 47.23	+21 06 59.5	9 675
(4680)	1993 08 13.25729	21 00 11.30	-15 01 45.0	9 675	(4883)	1992 10 21.42847	03 30 33.54	+13 25 56.4	9 675
(4683)	1993 05 21.21979	13 41 47.09	-09 07 19.6	9 675	(4883)	1992 10 21.45729	03 30 32.19	+13 25 46.9	9 675
(4683)	1993 05 21.25347	13 41 46.10	-09 07 15.0	9 675	(4883)	1992 11 28.27604	02 58 04.53	+10 22 59.7	9 675
(4686)	1989 05 07.29948	14 15 19.02	-15 48 00.2	9 675	(4883)	1992 11 28.30990	02 58 03.03	+10 22 50.9	9 675
(4686)	1989 05 07.33403	14 15 17.01	-15 47 44.8	9 675	(4895)	1993 07 21.38976	22 27 00.86	-23 55 08.7	9 675
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(4691)	1989 05 07.33403	14 03 23.47	-11 41 25.6	9 675	(4907)	1988 09 10.24705	22 26 24.96	-13 04 37.4	9 675
(4691)	1993 07 21.38976	22 28 15.25	-22 21 09.7	9 675	(4907)	1988 09 10.28420	22 26 23.39	-13 04 49.0	9 675
(4691)	1993 07 21.42465	22 28 14.87	-22 21 20.9	9 675	(4909)	1989 03 29.31615	12 09 42.02	+02 45 28.3	9 675
(4692)	1993 07 26.43611	00 14 28.23	-04 45 43.7	9 675	(4909)	1989 03 29.34497	12 09 40.40	+02 45 38.2	9 675
(4692)	1993 07 26.47865	00 14 29.51	-04 45 42.3	9 675	(4910)	1994 03 14.41024	12 30 15.57	-02 49 05.6	9 675
(4692)	1993 09 21.30747	23 57 11.75	-07 59 59.9	9 675	(4910)	1994 03 14.46406	12 30 12.81	-02 48 43.4	9 675
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(4695)	1989 08 02.37951	22 05 49.00	-00 48 45.4	9 675	(4910)	1994 04 03.31215	12 12 58.28	-00 30 35.6	9 675
(4695)	1989 08 02.40955	22 05 47.80	-00 48 55.1	9 675	(4913)	1992 10 25.42760	03 33 49.91	+19 35 45.6	9 675
(4697)	1993 05 21.21979	13 42 21.22	-12 38 31.4	9 675	(4913)	1992 10 25.46094	03 33 48.08	+19 35 42.2	9 675
(4697)	1993 05 21.25347	13 42 19.95	-12 38 21.8	9 675	(4914)	1988 11 09.34132	03 04 25.90	+27 51 57.9	9 675
(4710)	1989 01 08.42361	08 42 05.25	+14 17 24.2	9 675	(4914)	1988 11 09.38924	03 04 23.21	+27 51 28.4	9 675
(4710)	1989 01 08.45990	08 42 03.21	+14 17 23.1	9 675	(4916)	1992 10 22.37257	03 44 02.35	+03 38 24.7	9 675
(4732)	1989 11 04.42274	03 32 51.72	+17 22 54.5	9 675	(4916)	1992 10 22.40521	03 44 01.22	+03 38 12.7	9 675
(4732)	1989 11 04.45694	03 32 50.14	+17 22 38.4	9 675	(4916)	1992 10 26.43003	03 41 38.19	+03 15 50.1	9 675
(4739)	1988 05 10.37569	15 59 23.51	-18 06 24.5	9 675	(4916)	1992 10 26.47153	03 41 36.64	+03 15 37.4	9 675
(4739)	1988 05 10.40608	15 59 21.95	-18 06 18.1	9 675	(4919)	1988 11 09.45833	04 15 40.59	+29 29 52.7	9 675
(4744)	1988 09 10.24705	22 16 06.43	-14 11 04.6	9 675	(4920)	1989 01 08.42361	08 55 19.93	+13 48 01.6	9 675
(4744)	1988 09 10.28420	22 16 04.59	-14 11 08.6	9 675	(4920)	1989 01 08.45990	08 55 18.21	+13 48 07.9	9 675
(4753)	1993 07 26.43611	00 05 13.10	-05 54 48.3	9 675	(4920)	1994 03 14.41024	12 26 35.58	-03 24 56.4	9 675
(4753)	1993 07 26.47865	00 05 13.19	-05 54 53.0	9 675	(4920)	1994 03 14.46406	12 26 32.96	-03 24 38.3	9 675
(4754)	1988 09 10.41528	00 13 40.56	-05 09 50.3	9 675	(4920)	1994 04 03.27242	12 10 38.43	-01 25 43.4	9 675
(4760)	1989 08 02.37951	22 14 04.46	+00 33 08.7	9 675	(4920)	1994 04 03.31215	12 10 36.55	-01 25 29.3	9 675
(4760)	1989 08 02.40955	22 14 03.46	+00 32 56.8	9 675	(4926)	1989 01 08.42361	08 45 36.18	+19 03 19.7	9 675
(4779)	1988 09 10.24705	21 59 30.99	-11 33 07.8	9 675	(4926)	1989 01 08.45990	08 45 34.45	+19 03 25.2	9 675
(4779)	1988 09 10.28420	21 59 29.57	-11 33 15.6	9 675	(4929)	1988 09 10.24705	22 05 09.62	-14 02 00.8	9 675
(4792)	1988 09 10.41528	00 38 48.50	-06 49 21.5	9 675	(4929)	1988 09 10.28420	22 05 07.75	-14 02 12.1	9 675
(4801)	1993 09 21.30747	00 07 17.74	-02 48 10.1	9 675	(4933)	1992 06 28.44340	21 35 56.51	-12 47 02.6	9 675

(4933)	1992 06 28.47014	21 35 56.19	-12 47 04.8	9 675	(5087)	1990 04 01.38160	13 05 07.82	-06 21 17.3	9 675
(4934)	1992 10 26.47708	04 11 03.91	+09 36 54.9	9 675	(5087)	1990 04 01.40660	13 05 06.67	-06 21 08.3	9 675
(4934)	1992 10 26.51059	04 11 02.82	+09 36 42.6	9 675	(5093)	1989 05 07.29948	14 24 45.77	-12 45 36.8	9 675
(4936)	1988 09 10.24705	22 12 06.44	-11 33 07.1	9 675	(5109)	1989 01 08.42361	08 54 29.16	+14 45 40.3	9 675
(4936)	1988 09 10.28420	22 12 04.51	-11 33 23.6	9 675	(5109)	1989 01 08.45990	08 54 27.50	+14 45 50.2	9 675
(4948)	1990 04 01.38160	12 47 12.06	-09 27 43.2	9 675	(5128)	1989 03 29.31615	12 14 06.63	+06 04 02.0	9 675
(4948)	1990 04 01.40660	12 47 10.46	-09 27 34.0	9 675	(5128)	1989 03 29.34497	12 14 05.06	+06 04 05.0	9 675
(4959)	1989 03 07.46701	12 53 47.15	+05 22 01.9	9 675	(5128)	1989 05 09.17326	11 52 40.92	+05 20 41.2	9 675
(4959)	1989 03 07.49540	12 53 46.23	+05 22 13.7	9 675	(5128)	1989 05 09.20382	11 52 40.67	+05 20 32.6	9 675
(4966)	1994 03 14.41024	12 34 34.30	-01 39 35.0	9 675	(5150)	1991 09 14.31493	23 22 02.42	-12 28 29.8	9 675
(4967)	1991 08 06.34201	22 19 47.10	-19 24 19.8	9 675	(5150)	1991 09 14.36765	23 21 59.43	-12 28 42.9	9 675
(4967)	1991 08 06.37951	22 19 45.72	-19 24 41.1	9 675	(5152)	1992 02 05.23038	06 40 16.34	+37 24 49.7	9 675
(4971)	1989 01 08.42361	09 00 16.27	+18 43 48.8	9 675	(5152)	1992 02 05.26806	06 40 15.13	+37 24 32.9	9 675
(4971)	1989 01 08.45990	09 00 14.61	+18 44 01.2	9 675	(5165)	1989 03 07.46701	12 39 02.68	+01 57 22.8	9 675
(4980)	1989 05 07.29948	14 25 34.59	-13 29 36.8	9 675	(5165)	1989 03 07.49540	12 39 01.35	+01 57 34.0	9 675
(4980)	1989 05 07.33403	14 25 33.08	-13 29 29.1	9 675	(5165)	1989 03 29.31615	12 19 22.24	+04 15 09.1	9 675
(4981)	1993 07 26.43611	00 03 38.85	-03 22 45.3	9 675	(5165)	1989 03 29.34497	12 19 20.62	+04 15 17.9	9 675
(4981)	1993 07 26.47865	00 03 39.06	-03 22 46.3	9 675	(5165)	1989 05 09.17326	11 56 32.03	+05 39 54.4	9 675
(4988)	1989 01 08.42361	08 55 41.13	+14 12 37.3	9 675	(5165)	1989 05 09.20382	11 56 31.85	+05 39 51.6	9 675
(4988)	1991 08 08.42483	23 35 37.05	-00 27 50.9	16.8 9 675	(5176)	1992 10 26.43003	03 32 11.08	+06 52 13.2	9 675
(4988)	1991 08 08.45660	23 35 36.86	-00 27 52.8	9 675	(5176)	1992 10 26.47153	03 32 08.98	+06 52 11.6	9 675
(4993)	1991 08 06.34201	22 31 19.75	-21 23 51.0	9 675	(5176)	1992 11 28.27604	03 02 44.58	+07 45 59.4	9 675
(4993)	1991 08 06.37951	22 31 17.78	-21 24 03.2	9 675	(5176)	1992 11 28.30990	03 02 43.07	+07 46 09.3	9 675
(4994)	1993 07 26.47865	23 48 22.77	-03 26 35.9	9 675	(5181)	1989 04 01.41354	14 22 54.48	-10 17 00.3	9 675
(5004)	1988 09 10.38542	00 20 12.52	-00 28 38.7	9 675	(5181)	1989 04 01.45399	14 22 52.72	-10 16 53.6	9 675
(5004)	1988 09 10.41528	00 20 10.85	-00 28 46.6	9 675	(5184)	1993 08 13.22865	20 53 22.96	-19 46 05.8	9 675
(5006)	1992 10 26.47708	03 46 16.23	+10 54 49.2	9 675	(5184)	1993 08 13.25729	20 53 21.01	-19 46 09.1	9 675
(5006)	1992 10 26.51059	03 46 14.96	+10 54 44.9	9 675	(5191)	1989 08 02.37951	22 07 48.11	+03 02 20.4	9 675
(5006)	1992 11 28.27604	03 20 43.69	+09 58 49.6	9 675	(5191)	1989 08 02.40955	22 07 46.88	+03 02 19.4	9 675
(5006)	1992 11 28.30990	03 20 42.07	+09 58 48.4	9 675	(5191)	1989 08 30.27656	21 47 45.26	+01 27 45.3	9 675
(5009)	1992 10 25.42760	03 57 43.13	+20 43 49.3	18.5 9 675	(5191)	1989 08 30.31233	21 47 43.66	+01 27 34.7	9 675
(5009)	1992 10 25.46094	03 57 41.66	+20 43 46.2	9 675	(5200)	1990 04 01.38160	12 56 55.01	-04 48 19.7	9 675
(5010)	1992 10 22.37257	03 42 06.62	+02 50 28.5	9 675	(5201)	1994 11 28.31979	03 51 40.87	+18 28 43.5	9 675
(5010)	1992 10 22.40521	03 42 05.44	+02 50 16.0	9 675	(5204)	1989 04 01.41354	14 25 26.09	-13 41 11.2	9 675
(5021)	1990 04 01.40660	12 57 23.56	-02 31 55.5	9 675	(5204)	1989 04 01.45399	14 25 24.63	-13 41 02.9	9 675
(5022)	1992 10 25.42760	03 40 53.32	+17 49 04.0	9 675	(5205)	1993 07 26.43611	23 51 36.02	-05 08 08.7	9 675
(5022)	1992 10 25.46094	03 40 52.02	+17 48 53.7	9 675	(5205)	1993 07 26.47865	23 51 35.94	-05 08 05.0	9 675
(5022)	1992 11 28.27604	03 15 25.91	+14 42 34.2	9 675	(5219)	1993 05 21.21979	13 39 44.16	-09 24 21.3	9 675
(5022)	1992 11 28.30990	03 15 24.43	+14 42 24.0	9 675	(5219)	1993 05 21.25347	13 39 43.23	-09 24 18.5	9 675
(5035)	1989 05 07.29948	14 19 45.23	-09 02 25.4	9 675	(5225)	1988 09 10.24705	22 09 43.36	-14 37 18.3	9 675
(5035)	1989 05 07.33403	14 19 43.16	-09 02 26.1	9 675	(5225)	1988 09 10.28420	22 09 41.82	-14 37 26.6	9 675
(5043)	1989 05 07.29948	14 12 58.22	-12 45 05.0	9 675	(5232)	1955 10 23.35278	02 57 52.74	+02 22 49.3	6 675
(5043)	1989 05 07.33403	14 12 56.56	-12 44 56.5	9 675	(5232)	1955 10 23.37778	02 57 51.73	+02 22 40.2	6 675
(5043)	1994 03 14.46406	12 44 09.20	-02 46 15.6	9 675	(5232)	1993 09 21.30747	23 54 28.20	-04 46 57.9	9 675
(5050)	1953 09 07.25451	21 15 02.19	-14 35 29.2	6 675	(5232)	1993 09 21.34497	23 54 26.50	-04 47 18.1	9 675
(5050)	1953 09 07.27778	21 15 01.25	-14 35 33.6	6 675	(5239)	1988 05 10.37569	15 48 31.00	-14 17 04.7	9 675
(5055)	1992 11 30.32760	02 29 25.19	+10 26 32.3	9 675	(5239)	1988 05 10.40608	15 48 29.40	-14 17 03.3	9 675
(5055)	1992 11 30.36007	02 29 24.01	+10 26 31.3	9 675	(5242)	1994 11 28.27708	03 54 11.83	+19 08 31.2	9 675
(5080)	1988 11 09.42743	04 12 20.75	+31 24 21.8	9 675	(5242)	1994 11 28.31979	03 54 09.46	+19 08 23.0	9 675
(5080)	1988 11 09.45833	04 12 18.82	+31 24 23.3	9 675	(5267)	1993 08 14.40139	23 38 49.18	-13 11 17.5	9 675
(5082)	1994 03 14.41024	12 32 35.90	+01 20 02.7	9 675	(5267)	1993 08 14.42899	23 38 48.19	-13 11 31.0	9 675
(5082)	1994 03 14.46406	12 32 33.56	+01 20 19.7	9 675	(5286)	1994 11 28.27708	03 44 19.58	+15 47 41.6	9 675

(5286)	1994 11 28.31979	03 44 17.28	+15 47 36.5	9 675	(5425)	1994 03 14.41024	12 28 38.42	-04 20 59.8	9 675
(5296)	1993 07 26.43611	23 50 13.39	-04 30 53.1	9 675	(5425)	1994 03 14.46406	12 28 35.25	-04 20 47.6	9 675
(5296)	1993 07 26.47865	23 50 13.11	-04 30 58.9	9 675	(5425)	1994 04 03.27242	12 09 50.62	-03 03 41.8	9 675
(5296)	1994 11 05.36597	03 38 08.82	+16 24 23.9	9 675	(5425)	1994 04 03.31215	12 09 48.33	-03 03 31.8	9 675
(5296)	1994 11 05.39687	03 38 07.41	+16 24 18.9	9 675	(5427)	1992 10 21.41493	02 55 35.51	+18 34 50.8	9 675
(5297)	1993 08 13.22865	20 47 16.72	-14 50 09.4	9 675	(5427)	1992 10 21.44306	02 55 33.80	+18 34 18.7	9 675
(5297)	1993 08 13.25729	20 47 15.06	-14 50 21.5	9 675	(5429)	1991 08 08.42483	23 26 03.39	-03 14 34.9	9 675
(5300)	1988 11 09.42743	04 16 44.24	+30 22 10.4	9 675	(5440)	1992 10 26.47708	03 45 45.66	+12 42 45.2	9 675
(5300)	1988 11 09.45833	04 16 42.20	+30 22 16.8	9 675	(5440)	1992 10 26.51059	03 45 43.81	+12 42 37.3	9 675
(5302)	1993 08 13.22865	20 45 15.31	-19 38 26.3	9 675	(5440)	1992 11 28.27604	03 10 53.91	+11 00 45.4	9 675
(5302)	1993 08 13.25729	20 45 13.55	-19 38 30.3	9 675	(5440)	1992 11 28.30990	03 10 51.87	+11 00 42.5	9 675
(5303)	1992 08 24.27813	22 16 12.33	-15 14 15.9	9 675	(5441)	1992 08 24.27813	22 11 28.25	-16 53 15.0	9 675
(5304)	1993 07 26.43611	23 59 13.89	-09 20 00.2	9 675	(5441)	1992 08 24.31389	22 11 26.51	-16 53 31.2	9 675
(5304)	1993 07 26.47865	23 59 14.05	-09 20 10.4	9 675	(5446)	1989 04 01.41354	14 19 08.17	-10 40 58.7	9 675
(5307)	1989 03 07.46701	13 04 07.04	+03 16 03.4	9 675	(5446)	1989 04 01.45399	14 19 06.69	-10 40 49.7	9 675
(5307)	1989 03 07.49540	13 04 05.87	+03 16 11.9	9 675	(5456)	1990 05 22.23576	15 00 53.54	-19 16 49.5	16.0 2 675
(5307)	1993 05 21.21979	13 54 05.42	-07 57 59.4	9 675	(5456)	1990 05 22.25938	15 00 52.14	-19 16 48.3	2 675
(5307)	1993 05 21.25347	13 54 03.93	-07 57 59.6	9 675	(5456)	1990 05 23.30347	14 59 49.41	-19 16 16.1	2 675
(5318)	1993 09 21.30747	23 43 36.16	-07 12 46.3	9 675	(5456)	1990 05 23.33455	14 59 47.47	-19 16 15.0	2 675
(5318)	1993 09 21.34497	23 43 33.93	-07 13 00.1	9 675	(5460)	1990 04 01.38160	12 48 49.09	-05 27 46.1	9 675
(5319)	1992 11 30.32760	02 35 23.84	+09 56 59.7	9 675	(5460)	1990 04 01.40660	12 48 47.66	-05 27 33.5	9 675
(5319)	1992 11 30.36007	02 35 22.51	+09 56 52.7	9 675	(5478)	1989 11 04.42274	03 48 42.58	+20 17 55.3	9 675
(5338)	1989 03 07.46701	12 45 35.79	+00 20 34.7	9 675	(5478)	1989 11 04.45694	03 48 40.82	+20 17 42.3	9 675
(5338)	1989 03 07.49540	12 45 34.68	+00 20 40.9	9 675	(5480)	1988 10 09.37135	01 37 59.58	+00 02 43.2	9 675
(5338)	1989 03 29.31615	12 29 33.11	+02 10 45.0	9 675	(5480)	1988 10 09.40260	01 37 58.16	+00 02 33.7	9 675
(5338)	1989 03 29.34497	12 29 31.80	+02 10 53.3	9 675	(5480)	1988 11 04.25017	01 19 39.12	-01 35 47.4	9 675
(5340)	1992 06 28.44340	21 58 40.11	-09 11 15.7	9 675	(5480)	1988 11 04.28073	01 19 38.02	-01 35 50.8	9 675
(5346)	1992 08 24.27813	22 09 49.51	-15 34 08.7	9 675	(5485)	1991 08 08.42483	23 39 27.67	-07 03 49.6	9 675
(5346)	1992 08 24.31389	22 09 47.79	-15 34 19.0	9 675	(5485)	1991 08 08.45660	23 39 26.90	-07 03 56.3	9 675
(5348)	1953 09 07.27778	21 14 25.85	-11 51 34.9	6 675	(5494)	1989 04 01.41354	14 10 39.42	-14 45 26.2	9 675
(5361)	1992 11 30.32760	02 25 34.22	+08 11 52.3	9 675	(5494)	1989 04 01.45399	14 10 37.68	-14 45 18.1	9 675
(5372)	1989 03 07.20052	07 51 59.57	+35 54 17.4	9 675	(5504)	1949 11 19.28646	03 09 33.38	+14 07 01.8	6 675
(5372)	1989 03 07.24132	07 51 58.97	+35 54 08.0	9 675	(5515)	1989 03 07.46701	12 37 44.01	-00 41 57.2	9 675
(5382)	1988 09 10.38542	00 30 53.88	-00 40 35.8	9 675	(5515)	1989 03 07.49540	12 37 43.36	-00 41 36.0	9 675
(5383)	1991 05 18.33056	15 13 36.00	-14 39 46.7	9 675	(5515)	1989 03 29.31615	12 25 43.85	+04 13 57.7	9 675
(5383)	1991 05 18.36024	15 13 34.35	-14 39 42.2	9 675	(5515)	1989 03 29.34497	12 25 42.68	+04 14 20.7	9 675
(5383)	1992 08 24.27813	22 08 11.75	-16 15 31.8	9 675	(5518)	1988 10 09.37135	01 28 09.48	-04 28 39.4	9 675
(5383)	1992 08 24.31389	22 08 09.85	-16 15 44.0	9 675	(5518)	1988 10 09.40260	01 28 07.56	-04 28 51.5	9 675
(5384)	1992 10 21.42847	03 23 47.51	+08 54 36.2	9 675	(5518)	1988 11 04.25017	01 05 13.97	-06 15 49.6	9 675
(5384)	1992 10 21.45729	03 23 44.88	+08 54 55.4	9 675	(5518)	1988 11 04.28073	01 05 12.75	-06 15 50.3	9 675
(5389)	1992 10 25.42760	03 54 51.48	+20 41 52.0	9 675	(5523)	1992 10 21.42847	03 32 36.89	+15 40 23.9	9 675
(5389)	1992 10 25.46094	03 54 49.76	+20 41 58.2	9 675	(5523)	1992 11 27.21007	03 01 38.88	+14 08 26.4	9 675
(5396)	1992 11 30.32760	02 28 46.86	+10 29 58.8	9 675	(5523)	1992 11 28.27604	03 00 48.68	+14 06 18.6	18.2 9 675
(5396)	1992 11 30.36007	02 28 45.98	+10 29 51.3	9 675	(5523)	1992 11 28.30990	03 00 47.14	+14 06 15.7	9 675
(5397)	1992 11 30.32760	02 27 35.36	+09 47 10.5	9 675	(5550)	1992 10 21.41493	03 28 24.91	+17 08 53.7	9 675
(5397)	1992 11 30.36007	02 27 34.60	+09 46 55.7	9 675	(5550)	1992 10 21.42847	03 28 24.59	+17 08 50.6	9 675
(5403)	1992 08 24.27813	22 13 31.70	-18 04 02.4	9 675	(5550)	1992 10 21.44306	03 28 23.99	+17 08 50.0	9 675
(5403)	1992 08 24.31389	22 13 30.08	-18 04 16.7	9 675	(5550)	1992 10 21.45729	03 28 23.47	+17 08 46.5	9 675
(5414)	1992 10 21.41493	03 15 01.69	+19 09 00.8	9 675	(5550)	1992 11 27.21007	03 00 03.83	+15 13 20.0	9 675
(5414)	1992 10 21.44306	03 15 00.40	+19 08 57.7	9 675	(5550)	1992 11 27.24115	03 00 02.42	+15 13 14.4	9 675
(5414)	1992 11 27.21007	02 43 52.98	+17 24 46.6	9 675	(5550)	1992 11 28.27604	02 59 18.72	+15 10 25.9	9 675
(5414)	1992 11 27.24115	02 43 51.57	+17 24 41.4	9 675	(5550)	1992 11 28.30990	02 59 17.29	+15 10 20.1	9 675

(5551)	1989 03 07.20052	07 40 36.80	+35 46 08.5	9 675	(5759)	1992 08 24.27813	22 15 25.85	-15 49 47.9	9 675
(5551)	1989 03 07.24132	07 40 37.46	+35 46 30.6	9 675	(5759)	1992 08 24.31389	22 15 24.03	-15 49 58.1	9 675
(5565)	1993 04 14.17240	11 46 23.06	+12 01 41.5	9 675	(5766)	1993 09 21.23420	23 04 47.65	-11 44 55.5	9 675
(5565)	1993 04 14.20729	11 46 21.81	+12 01 48.1	9 675	(5766)	1993 09 21.27031	23 04 45.52	-11 45 00.2	9 675
(5572)	1988 05 10.37569	16 10 08.95	-11 54 30.0	9 675	(5785)	1951 09 09.28125	22 36 15.53	+02 18 48.9	6 675
(5572)	1988 05 10.40608	16 10 07.55	-11 54 19.2	9 675	(5785)	1951 09 09.30833	22 36 13.98	+02 18 44.9	6 675
(5575)	1989 05 07.29948	14 15 35.50	-12 46 01.8	9 675	(5795)	1954 08 08.36667	22 27 03.03	-25 50 29.4	6 675
(5580)	1988 09 10.38542	00 14 03.45	-03 11 16.2	17.0 9 675	(5795)	1954 08 08.39167	22 27 01.80	-25 50 43.2	6 675
(5580)	1988 09 10.41528	00 14 01.72	-03 11 20.9	9 675	(5807)	1992 10 25.42760	03 49 34.46	+16 59 52.8	18.0 9 675
(5593)	1991 05 18.33056	15 16 56.34	-09 06 03.3	9 675	(5807)	1992 10 25.46094	03 49 33.15	+16 59 47.5	9 675
(5593)	1991 05 18.36024	15 16 54.58	-09 05 55.1	9 675	(5814)	1991 05 18.33056	15 00 48.39	-11 32 00.4	9 675
(5603)	1989 11 04.42274	03 43 15.30	+16 22 31.1	9 675	(5814)	1991 05 18.36024	15 00 46.85	-11 31 59.4	9 675
(5603)	1989 11 04.45694	03 43 13.94	+16 22 25.7	9 675	(5816)	1989 01 08.42361	09 07 34.79	+19 15 04.3	9 675
(5603)	1993 05 21.21979	13 45 36.57	-08 53 44.3	9 675	(5816)	1989 01 08.45990	09 07 33.23	+19 15 07.3	9 675
(5603)	1993 05 21.25347	13 45 35.79	-08 53 38.0	9 675	(5823)	1951 09 09.28125	22 36 47.36	-00 50 36.0	6 675
(5608)	1989 04 01.41354	14 32 37.57	-14 10 28.7	9 675	(5823)	1951 09 09.30833	22 36 45.85	-00 50 39.8	6 675
(5608)	1989 04 01.45399	14 32 36.01	-14 10 23.7	9 675	(5827)	1993 09 21.30747	00 00 23.17	-07 56 40.6	9 675
(5608)	1989 05 07.29948	14 02 41.32	-12 22 41.6	9 675	(5827)	1993 09 21.34497	00 00 21.04	-07 56 55.7	9 675
(5608)	1989 05 07.33403	14 02 39.54	-12 22 34.6	9 675	(5831)	1988 10 09.37135	01 33 52.35	-04 58 48.9	9 675
(5612)	1993 05 21.21979	13 44 44.85	-07 46 05.2	9 675	(5831)	1988 10 09.40260	01 33 50.60	-04 58 53.6	9 675
(5612)	1993 05 21.25347	13 44 43.57	-07 46 04.1	9 675	(5831)	1988 11 04.25017	01 11 25.54	-05 31 22.7	9 675
(5617)	1993 05 21.21979	13 51 03.42	-14 50 14.6	18.0 9 675	(5831)	1988 11 04.28073	01 11 24.12	-05 31 21.0	9 675
(5617)	1993 05 21.25347	13 51 02.34	-14 50 00.8	9 675	(5837)	1991 03 18.22986	10 16 49.29	+13 20 47.3	17.0 2 675
(5633)	1994 11 05.36597	03 40 15.37	+21 28 12.0	9 675	(5837)	1991 03 18.26285	10 16 48.04	+13 20 56.6	2 675
(5633)	1994 11 05.39687	03 40 13.27	+21 28 04.2	9 675	(5837)	1993 07 26.43611	23 48 23.87	-03 48 22.3	9 675
(5638)	1988 09 10.41528	00 25 44.73	-03 28 21.0	9 675	(5837)	1993 07 26.47865	23 48 23.61	-03 48 27.1	9 675
(5671)	1993 09 21.30747	23 48 24.63	-06 43 01.1	9 675	(5837)	1994 11 05.39687	03 51 33.20	+17 47 31.7	9 675
(5671)	1993 09 21.34497	23 48 22.70	-06 43 14.8	9 675	(5837)	1994 11 28.27708	03 33 12.70	+16 53 11.2	9 675
(5676)	1989 04 01.41354	14 28 23.28	-13 50 34.3	9 675	(5837)	1994 11 28.31979	03 33 10.67	+16 53 06.1	9 675
(5676)	1989 04 01.45399	14 28 21.75	-13 50 16.4	9 675	(5838)	1989 08 30.27656	22 16 22.54	+02 15 17.2	9 675
(5679)	1994 11 28.27708	03 32 43.32	+16 32 34.9	9 675	(5838)	1989 08 30.31233	22 16 20.85	+02 14 53.7	9 675
(5679)	1994 11 28.31979	03 32 41.05	+16 32 26.5	9 675	(5854)	1989 01 08.42361	08 57 43.08	+20 10 21.4	9 675
(5680)	1994 11 05.36597	03 56 14.75	+20 45 08.3	9 675	(5854)	1989 01 08.45990	08 57 41.55	+20 10 28.3	9 675
(5680)	1994 11 05.39687	03 56 13.25	+20 45 05.7	9 675	(5859)	1988 09 10.38542	00 18 28.57	-00 39 58.2	18.0 9 675
(5680)	1994 11 28.27708	03 36 56.75	+19 59 54.6	9 675	(5859)	1988 09 10.41528	00 18 27.20	-00 40 09.2	9 675
(5680)	1994 11 28.31979	03 36 54.52	+19 59 50.3	9 675	(5867)	1988 11 04.25017	01 12 47.38	-06 27 20.1	9 675
(5685)	1994 10 01.37378	02 04 26.41	+23 38 26.2	9 675	(5867)	1988 11 04.28073	01 12 46.49	-06 28 20.4	9 675
(5685)	1994 10 01.40191	02 04 25.25	+23 38 21.9	9 675	(5868)	1992 06 28.44340	21 47 04.97	-15 25 11.4	9 675
(5686)	1993 08 13.22865	20 43 55.39	-15 32 16.8	9 675	(5868)	1992 06 28.47014	21 47 05.09	-15 25 15.2	9 675
(5688)	1993 08 13.22865	20 37 17.33	-17 25 38.4	9 675	(5877)	1992 10 22.37257	03 58 03.08	+03 08 16.1	18.0 9 675
(5688)	1993 08 13.25729	20 37 15.77	-17 25 47.3	9 675	(5877)	1992 10 22.40521	03 58 01.68	+03 08 10.7	9 675
(5693)	1993 03 23.27813	12 10 59.38	+09 38 19.2	18.8 9 675	(5877)	1992 11 27.28142	03 24 42.65	+02 52 56.3	9 675
(5709)	1993 07 26.43611	23 45 33.25	-06 00 46.7	9 675	(5877)	1992 11 27.31597	03 24 40.69	+02 52 59.6	9 675
(5709)	1993 07 26.47865	23 45 33.88	-06 00 50.4	9 675	(5882)	1992 10 25.42760	03 40 18.70	+17 21 18.1	18.2 9 675
(5709)	1993 09 21.23420	23 23 54.77	-10 38 50.6	9 675	(5882)	1992 10 25.46094	03 40 17.09	+17 21 12.7	9 675
(5709)	1993 09 21.27031	23 23 53.20	-10 39 03.1	9 675	(5882)	1992 11 28.27604	03 11 49.10	+15 21 16.1	9 675
(5710)	1989 05 07.29948	14 15 38.81	-17 47 32.6	9 675	(5882)	1992 11 28.30990	03 11 47.39	+15 21 09.3	9 675
(5710)	1989 05 07.33403	14 15 36.56	-17 47 21.3	9 675	(5884)	1990 04 01.38160	12 42 26.99	-07 19 31.2	9 675
(5724)	1993 09 21.30747	00 09 06.98	-09 37 04.1	9 675	(5884)	1990 04 01.40660	12 42 25.86	-07 19 20.3	9 675
(5724)	1993 09 21.34497	00 09 04.89	-09 37 19.4	9 675	(5885)	1988 05 10.37569	16 20 45.64	-13 01 32.8	9 675
(5742)	1992 02 05.23038	06 53 55.62	+34 13 17.2	9 675	(5885)	1988 05 10.40608	16 20 44.23	-13 01 29.7	9 675
(5742)	1992 02 05.26806	06 53 54.07	+34 13 20.4	9 675	(5886)	1992 10 26.47708	03 51 54.17	+11 30 28.0	9 675

(5886)	1992 10 26.51059	03 51 52.73	+11 30 27.0	9 675	(6069)	1990 04 01.38160	13 04 47.50	-06 37 18.0	9 675
(5886)	1992 11 28.27604	03 23 12.58	+11 39 16.4	9 675	(6088)	1991 05 18.33056	14 58 15.83	-14 17 34.1	9 675
(5886)	1992 11 28.30990	03 23 10.80	+11 39 19.0	9 675	(6088)	1991 05 18.36024	14 58 14.56	-14 17 26.5	9 675
(5893)	1988 10 09.37135	01 29 39.04	-01 11 40.4	9 675	(6102)	1989 04 01.45399	14 20 07.21	-16 48 15.5	9 675
(5893)	1988 10 09.40260	01 29 37.51	-01 11 56.8	9 675	(6117)	1994 10 01.37378	01 49 49.85	+22 11 30.7	9 675
(5893)	1988 11 04.25017	01 10 24.02	-04 26 22.4	9 675	(6117)	1994 10 01.40191	01 49 48.43	+22 11 29.4	9 675
(5893)	1988 11 04.28073	01 10 22.84	-04 26 31.9	9 675	(6118)	1989 03 29.31615	12 11 08.87	+04 51 12.4	9 675
(5903)	1992 10 21.41493	03 24 38.85	+18 34 00.0	9 675	(6118)	1989 03 29.34497	12 11 07.29	+04 51 22.8	9 675
(5903)	1992 10 21.44306	03 24 37.61	+18 33 57.1	9 675	(6118)	1989 05 09.17326	11 47 57.99	+06 49 43.2	9 675
(5903)	1992 11 27.24115	02 52 18.08	+16 52 31.4	9 675	(6118)	1989 05 09.20382	11 47 57.68	+06 49 42.4	9 675
(5908)	1988 05 10.40608	16 00 50.20	-15 42 22.6	9 675	(6125)	1993 05 21.21979	13 52 58.58	-09 27 31.1	17.5 9 675
(5914)	1988 05 10.37569	15 54 17.18	-15 56 54.1	9 675	(6125)	1993 05 21.25347	13 52 57.17	-09 27 23.3	9 675
(5914)	1988 05 10.40608	15 54 15.85	-15 56 53.0	9 675	(6136)	1950 04 22.32153	14 11 35.73	+03 30 33.9	6 675
(5918)	1989 01 08.42361	09 03 46.25	+19 49 33.1	9 675	(6136)	1950 04 22.35035	14 11 34.32	+03 30 43.4	6 675
(5918)	1989 01 08.45990	09 03 44.60	+19 49 43.5	9 675	(6136)	1994 09 10.33056	00 09 07.27	-10 13 57.1	9 675
(5918)	1992 10 25.42760	03 51 56.91	+17 14 02.6	17.5 9 675	(6136)	1994 09 10.35990	00 09 06.08	-10 14 10.5	9 675
(5918)	1992 10 25.46094	03 51 55.60	+17 13 59.4	9 675	(6146)	1990 04 01.38160	13 11 37.18	-04 29 42.7	9 675
(5960)	1992 08 24.27813	22 15 24.04	-20 09 01.9	9 675	(6146)	1990 04 01.40660	13 11 35.69	-04 29 35.7	9 675
(5960)	1992 08 24.31389	22 15 21.71	-20 09 11.5	9 675	(6150)	1988 09 10.24705	22 01 29.87	-11 15 43.3	9 675
(5962)	1992 10 26.47708	04 08 08.36	+09 44 18.5	9 675	(6150)	1988 09 10.28420	22 01 28.25	-11 15 48.5	9 675
(5962)	1992 10 26.51059	04 08 07.12	+09 44 02.2	9 675	(6151)	1989 05 07.29948	14 16 53.23	-13 29 25.2	9 675
(5962)	1992 11 27.28142	03 41 57.80	+05 44 59.2	9 675	(6151)	1989 05 07.33403	14 16 50.98	-13 29 21.4	9 675
(5962)	1992 11 27.31597	03 41 55.91	+05 44 47.6	9 675	(6166)	1993 10 10.13420	22 14 43.78	-20 00 17.7	9 675
(5967)	1954 08 08.39167	22 40 14.14	-25 13 16.0	6 675	(6166)	1993 10 10.17373	22 14 43.05	-20 00 11.0	9 675
(5976)	1988 11 09.34132	03 10 41.10	+29 11 08.5	9 675	(6173)	1988 05 10.37569	15 51 17.89	-15 00 51.0	9 675
(5976)	1988 11 09.38924	03 10 37.90	+29 11 06.7	9 675	(6173)	1988 05 10.40608	15 51 15.98	-15 00 51.8	9 675
(5984)	1992 10 21.42847	03 34 19.89	+10 38 39.8	9 675	(6173)	1994 11 28.27708	03 58 38.62	+17 31 38.3	9 675
(5984)	1992 10 21.45729	03 34 18.72	+10 38 33.2	9 675	(6173)	1994 11 28.31979	03 58 35.69	+17 31 42.8	9 675
(5984)	1992 11 28.27604	02 58 38.55	+08 42 28.2	9 675	(6180)	1993 05 21.21979	13 56 47.50	-12 23 32.1	9 675
(5984)	1992 11 28.30990	02 58 36.88	+08 42 24.9	9 675	(6180)	1993 05 21.25347	13 56 46.06	-12 23 26.2	9 675
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(5989)	1989 11 04.42274	03 46 57.99	+23 20 16.8	9 675	(6187)	1988 09 10.24705	22 15 57.85	-13 54 58.8	9 675
(5989)	1989 11 04.45694	03 46 55.50	+23 20 10.8	9 675	(6187)	1988 09 10.28420	22 15 56.24	-13 55 06.2	9 675
(6007)	1994 03 14.41024	12 25 38.36	-02 15 24.9	9 675	(6188)	1988 09 10.38542	00 16 25.29	-01 25 49.4	17.8 9 675
(6007)	1994 03 14.46406	12 25 35.09	-02 15 14.1	9 675	(6188)	1988 09 10.41528	00 16 24.07	-01 25 56.8	9 675
(6007)	1994 04 03.27242	12 06 02.23	-01 04 01.7	9 675	(6209)	1993 08 13.22865	20 53 41.35	-16 13 16.8	9 675
(6007)	1994 04 03.31215	12 05 59.97	-01 03 53.8	9 675	(6209)	1993 08 13.25729	20 53 39.58	-16 13 23.8	9 675
(6016)	1990 04 01.38160	13 06 01.38	-06 01 23.3	9 675	(6212)	1994 11 05.36597	03 48 55.29	+18 40 43.9	9 675
(6016)	1990 04 01.40660	13 05 59.96	-06 01 11.9	9 675	(6212)	1994 11 05.39687	03 48 53.60	+18 40 33.1	9 675
(6024)	1992 10 25.42760	03 32 43.38	+20 20 11.6	9 675	(6214)	1991 02 14.38701	10 40 27.38	+11 39 32.1	2 675
(6024)	1992 10 25.46094	03 32 41.49	+20 20 16.8	9 675	(6214)	1991 02 14.40556	10 40 26.68	+11 39 37.6	2 675
(6039)	1951 09 09.28125	22 28 42.52	-00 12 26.8	6 675	(6214)	1991 03 18.22986	10 18 04.31	+13 49 26.9	17.0 2 675
(6039)	1951 09 09.30833	22 28 41.49	-00 12 40.4	6 675	(6214)	1991 03 18.26285	10 18 03.04	+13 49 31.8	2 675
(6040)	1992 11 28.30990	03 04 22.55	+13 36 14.1	9 675	(6216)	1989 11 04.42274	03 26 55.41	+20 52 19.8	9 675
(6043)	1991 08 08.42483	23 38 16.73	-04 31 16.6	9 675	(6216)	1989 11 04.45694	03 26 53.36	+20 52 18.2	9 675
(6043)	1991 08 08.45660	23 38 16.46	-04 31 28.5	9 675	(6229)	1994 11 28.27708	03 47 42.87	+17 15 54.7	9 675
(6049)	1989 01 08.42361	08 44 14.95	+15 00 12.0	9 675	(6229)	1994 11 28.31979	03 47 40.58	+17 15 48.9	9 675
(6049)	1989 01 08.45990	08 44 13.00	+15 00 18.7	9 675	(6231)	1989 03 29.31615	12 15 05.63	+05 32 24.8	9 675
(6054)	1989 04 01.41354	14 16 21.68	-16 42 18.3	9 675	(6231)	1989 03 29.34497	12 15 04.35	+05 32 42.7	9 675
(6054)	1989 04 01.45399	14 16 19.98	-16 42 11.2	9 675	(6231)	1989 05 09.17326	12 00 19.22	+09 21 22.1	9 675
(6060)	1993 03 23.27813	12 20 07.38	+05 28 45.1	9 675	(6231)	1989 05 09.20382	12 00 19.47	+09 21 21.2	9 675
(6060)	1993 03 23.31516	12 20 05.51	+05 29 06.3	9 675	(6233)	1951 09 09.28125	22 18 59.86	-00 15 42.6	6 675

(6233)	1951 09 09.30833	22 18 58.45	-00 15 50.2	6 675	(6390)	1992 08 24.31389	22 14 21.15	-19 49 30.3	9 675
(6237)	1993 07 26.43611	00 00 49.36	-04 28 06.9	9 675	(6392)	1992 10 25.42760	03 48 24.74	+19 00 25.7	9 675
(6237)	1993 07 26.47865	00 00 49.09	-04 28 10.2	9 675	(6392)	1992 10 25.46094	03 48 23.28	+19 00 29.1	9 675
(6247)	1993 07 21.38976	22 26 20.80	-17 53 55.4	9 675	(6403)	1992 10 25.42760	03 50 52.02	+19 44 22.5	9 675
(6247)	1993 07 21.42465	22 26 20.00	-17 54 10.9	9 675	(6403)	1992 11 28.27604	03 21 00.28	+15 13 18.0	18.2 9 675
(6252)	1988 05 10.37569	16 06 57.65	-17 23 01.8	9 675	(6403)	1992 11 28.30990	03 20 58.49	+15 13 03.8	9 675
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(6255)	1992 06 28.44340	21 34 39.16	-10 24 50.8	9 675	(6404)	1992 10 25.37014	02 15 11.51	+07 10 20.2	9 675
(6255)	1992 06 28.47014	21 34 38.70	-10 24 49.9	9 675	(6408)	1989 01 08.42361	08 36 58.78	+16 12 00.1	9 675
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(6258)	1953 10 10.50000	04 04 11.51	+14 16 33.3	6 675	(6408)	1992 10 21.41493	03 25 46.48	+17 58 08.5	9 675
(6258)	1993 08 13.22865	20 54 24.44	-17 39 14.2	9 675	(6408)	1992 10 21.44306	03 25 45.34	+17 58 03.8	9 675
(6258)	1993 08 13.25729	20 54 22.77	-17 39 24.2	9 675	(6408)	1992 11 27.24115	02 55 35.38	+15 40 23.2	9 675
(6259)	1989 03 29.31615	12 17 56.51	+06 13 27.2	9 675	(6409)	1992 10 21.42847	03 34 05.32	+15 04 50.2	9 675
(6259)	1989 05 09.17326	11 54 40.03	+04 22 19.9	9 675	(6409)	1992 10 21.45729	03 34 03.75	+15 04 52.4	9 675
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(6303)	1993 07 21.38976	22 31 01.54	-17 17 43.7	9 675	(6467)	1990 04 01.38160	13 10 38.20	-06 43 06.3	9 675
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(6308)	1994 11 28.27708	03 48 52.86	+18 09 34.0	9 675	(6467)	1992 10 25.37014	02 20 22.75	+10 33 08.6	9 675
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(6329)	1993 07 26.47865	23 50 23.42	-09 01 42.9	9 675	(6472)	1989 05 07.29948	14 08 20.41	-13 48 26.9	18.5 9 675
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(6329)	1993 09 21.27031	23 12 37.97	-15 48 50.0	9 675	(6492)	1992 10 25.42760	03 45 46.75	+15 39 59.4	9 675
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(6332)	1993 09 21.34497	00 06 08.06	-02 11 25.5	9 675	(6499)	1992 10 25.42760	03 52 44.16	+16 09 18.8	9 675
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(6337)	1992 11 30.36007	02 30 55.27	+09 12 38.8	9 675	(6520)	1992 10 25.42760	03 45 03.48	+21 07 12.9	17.8 9 675
(6345)	1991 09 14.31493	23 35 38.31	-12 59 32.3	9 675	(6520)	1992 10 25.46094	03 45 01.62	+21 07 01.7	9 675
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(6363)	1993 07 21.38976	22 43 01.46	-17 07 48.0	9 675	(6528)	1989 01 08.45990	09 05 01.32	+20 28 42.1	9 675
(6363)	1993 07 21.42465	22 43 00.49	-17 07 57.1	9 675	(6540)	1992 11 28.27604	03 21 14.08	+11 22 06.3	16.5 9 675
(6371)	1992 08 24.27813	21 54 28.17	-20 55 29.3	9 675	(6540)	1992 11 28.30990	03 21 12.29	+11 21 57.4	9 675
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(6565)	1993 09 21.30747	23 56 07.51	-02 12 12.0	9 675	(6751)	1953 09 07.25451	21 13 59.83	-08 32 14.2	6 675
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(6573)	1953 09 07.27778	21 26 59.52	-13 40 51.0	6 675	(6751)	1990 04 01.40660	12 57 03.18	-07 47 30.8	9 675
(6576)	1993 05 21.21979	13 59 23.03	-09 04 37.6	17.8 9 675	(6758)	1994 09 12.33455	23 13 22.79	-15 10 41.0	9 675
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(6578)	1989 01 08.45990	08 34 43.51	+16 22 09.3	9 675	(6760)	1989 05 07.29948	14 14 38.16	-14 55 26.9	9 675
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(6610)	1988 10 09.37135	01 35 57.89	-01 37 05.0	9 675	(6764)	1990 01 29.52431	10 32 58.73	+19 27 11.6	9 675
(6610)	1988 10 09.40260	01 35 55.91	-01 37 07.5	9 675	(6765)	1989 01 08.42361	08 53 45.89	+14 29 27.7	9 675
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(6630)	1992 10 25.46094	03 41 00.19	+16 10 32.8	9 675	(6812)	1993 08 13.25729	20 47 18.90	-16 49 51.1	9 675
(6644)	1993 05 21.25347	13 37 38.92	-10 29 21.9	9 675	(6834)	1994 11 05.36597	03 30 58.78	+19 33 47.8	9 675
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(6667)	1992 10 25.33490	02 19 17.46	+07 14 31.7	9 675	(6844)	1988 11 04.28073	01 17 28.43	-02 09 56.8	9 675
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(6667)	1994 04 03.27242	12 03 39.19	+02 20 12.4	9 675	(6867)	1951 09 09.28125	22 33 31.81	-02 04 12.4	6 675
(6667)	1994 04 03.31215	12 03 37.32	+02 20 31.4	9 675	(6867)	1951 09 09.30833	22 33 30.61	-02 04 28.8	6 675
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(6689)	1992 11 28.30990	02 54 49.10	+12 26 49.2	9 675	(6873)	1993 05 21.21979	13 55 28.92	-07 28 18.6	9 675
(6692)	1989 03 29.31615	12 30 30.41	+00 44 47.9	9 675	(6873)	1993 05 21.25347	13 55 28.01	-07 28 08.1	9 675
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(6704)	1953 09 07.25451	21 15 00.10	-11 43 44.7	6 675	(6878)	1989 03 07.49540	12 50 21.49	+01 15 29.2	9 675
(6704)	1953 09 07.27778	21 14 59.25	-11 43 48.5	6 675	(6878)	1989 03 29.31615	12 32 24.22	+03 27 16.9	9 675
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(6743)	1988 11 04.28073	01 17 45.12	-01 44 16.3	9 675	(6889)	1993 04 14.20729	11 51 37.20	+09 14 22.4	9 675
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(6927)	1989 05 09.17326	11 55 09.15	+07 19 24.4	9 675	(7071)	1950 04 22.32153	14 02 01.92	+06 27 00.8	6 675
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(6933)	1953 09 07.27778	21 29 00.15	-11 50 10.3	6 675	(7079)	1989 04 01.45399	14 07 24.49	-12 40 18.7	9 675
(6936)	1993 08 13.22865	20 31 20.81	-19 17 49.5	9 675	(7083)	1992 10 21.41493	03 20 11.39	+22 38 19.2	9 675
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(6940)	1994 11 28.27708	03 43 09.34	+23 14 18.0	9 675	(7083)	1992 11 27.24115	02 52 38.30	+18 11 42.8	9 675
(6940)	1994 11 28.31979	03 43 06.48	+23 14 09.2	9 675	(7098)	1992 06 28.47014	21 58 17.23	-14 28 43.2	9 675
(6947)	1994 11 28.27708	03 56 58.03	+17 15 36.1	9 675	(7107)	1993 04 14.17240	11 29 43.59	+06 53 55.3	9 675
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(6949)	1993 07 26.47865	00 09 42.13	-03 55 09.8	9 675	(7120)	1989 01 08.45990	08 50 54.27	+18 03 19.6	9 675
(6960)	1989 01 08.42361	08 59 39.76	+18 59 47.8	9 675	(7131)	1950 04 22.32153	14 17 22.66	+03 54 59.4	6 675
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(6965)	1993 08 13.25729	20 38 39.01	-18 49 57.1	9 675	(7139)	1992 10 26.47153	03 23 17.37	+07 29 29.2	9 675
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(6977)	1989 03 29.34497	12 08 10.10	+04 25 29.2	9 675	(7199)	1991 08 08.45660	23 36 02.28	-01 37 45.0	9 675
(6977)	1989 05 09.17326	11 44 28.41	+06 44 45.8	9 675	(7231)	1994 04 03.31215	12 08 52.17	+03 24 02.0	9 675
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(6986)	1989 11 04.45694	03 47 53.93	+16 35 46.2	9 675	(7233)	1988 11 09.45833	04 21 08.87	+33 55 19.3	9 675
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(7486)	1989 03 29.34497	12 20 17.84	+03 09 41.2	9 675
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(7537)	1992 06 28.47014	21 45 51.31	-15 34 24.6	9 675

683 Goodricke-Pigott Observatory, Tucson
 R. A. Tucker, 5500 West Nebraska Street, Tucson, AZ 85746, U.S.A.
 [tucker@mail.hvs.com]
 Observers R. A. Tucker, M. T. Chamberlin

0.36-m Schmidt-Cassegrain + CCD
GSC

1996 XY ₂₅	1997 03 05.10502	02 00 12.40	+00 48 24.2	683
1996 XY ₂₅	1997 03 05.11356	02 00 13.32	+00 48 28.0	683
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684 Prescott

P. G. Comba, 1411 Galaxy Lane, Prescott, AZ 86303, U.S.A.

[comba@northlink.com]

0.46-m *f*/4.5 reflector + CCD

GSC				
1989 NA	1997 03 29.26304	11 27 24.78	+25 11 51.1	684
1989 NA	1997 03 29.27228	11 27 24.39	+25 11 52.4	20.0 R 684
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1997 EV ₃₂	1997 03 18.32323	11 24 48.54	+05 24 51.5		684	1997 GN ₃	1997 04 08.35037	13 48 27.21	-11 43 17.4		684
1997 EV ₃₂	1997 03 19.29713	11 24 01.30	+05 33 48.8		684	1997 GO ₃	* 1997 04 07.29328	13 49 35.85	-11 42 08.7	18.4 R	684
1997 EV ₃₂	1997 03 19.30295	11 24 01.00	+05 33 52.2	17.4 R	684	1997 GO ₃	1997 04 07.30199	13 49 35.33	-11 42 07.9		684
1997 FB	* 1997 03 18.33134	11 25 40.36	+02 42 53.0	17.1 R	684	1997 GO ₃	1997 04 08.33924	13 48 34.84	-11 41 00.4	18.3 R	684
1997 FB	1997 03 18.33496	11 25 40.14	+02 42 54.9		684	1997 GO ₃	1997 04 08.34507	13 48 34.49	-11 40 59.6		684
1997 FB	1997 03 18.33829	11 25 39.94	+02 42 56.7		684	1997 GO ₃	1997 04 08.35037	13 48 34.16	-11 40 59.5		684
1997 FB	1997 03 19.30966	11 24 45.03	+02 51 42.4	17.1 R	684	1997 GP ₃	* 1997 04 07.31682	13 50 51.25	-12 07 41.4	19.5 R	684
1997 FB	1997 03 19.31424	11 24 44.76	+02 51 45.0		684	1997 GP ₃	1997 04 07.32551	13 50 50.84	-12 07 39.9		684
1997 FB	1997 03 19.31831	11 24 44.51	+02 51 47.1		684	1997 GP ₃	1997 04 08.32340	13 50 07.35	-12 03 33.6	19.2 R	684
1997 FB	1997 03 29.25567	11 15 58.70	+04 17 51.8	17.4 R	684	1997 GP ₃	1997 04 08.33038	13 50 07.01	-12 03 32.5		684
1997 FB	1997 03 29.28995	11 15 56.95	+04 18 08.6		684	1997 GQ ₃	* 1997 04 08.24608	11 08 55.02	+05 33 34.4	19.0 R	684
1997 FB	1997 03 29.29321	11 15 56.79	+04 18 10.2		684	1997 GQ ₃	1997 04 08.24979	11 08 54.88	+05 33 34.6		684
1997 FB	1997 04 01.26859	11 13 39.68	+04 41 41.1	18.2 R	684	1997 GQ ₃	1997 04 08.25367	11 08 54.75	+05 33 35.7		684
1997 FB	1997 04 01.27206	11 13 39.51	+04 41 42.7		684	1997 GQ ₃	1997 04 09.22463	11 08 22.38	+05 36 20.8	18.9 R	684
1997 FB	1997 04 01.27519	11 13 39.36	+04 41 44.1		684	1997 GQ ₃	1997 04 09.23015	11 08 22.19	+05 36 21.9		684
1997 FB	1997 04 08.24608	11 09 11.18	+05 30 38.0	17.6 R	684	1997 GQ ₃	1997 04 09.23537	11 08 22.02	+05 36 22.8		684
1997 FB	1997 04 08.24979	11 09 11.05	+05 30 39.3		684	1997 GR ₃	* 1997 04 08.29965	11 15 53.18	+03 25 56.2	17.8 R	684
1997 FB	1997 04 08.25367	11 09 10.90	+05 30 40.9		684	1997 GR ₃	1997 04 08.31089	11 15 52.79	+03 25 58.4		684
1997 FB	1997 04 09.22463	11 08 40.39	+05 36 42.0	17.5 R	684	1997 GR ₃	1997 04 09.24266	11 15 23.80	+03 28 58.3	18.3 R	684
1997 FB	1997 04 09.23015	11 08 40.21	+05 36 44.1		684	1997 GR ₃	1997 04 09.24690	11 15 23.67	+03 28 59.3		684
1997 FB	1997 04 09.23537	11 08 40.03	+05 36 46.2		684	1997 GR ₃	1997 04 09.25060	11 15 23.54	+03 28 59.9		684
1997 FS	* 1997 03 29.20869	09 34 07.24	+11 01 19.3		684	1997 GR ₃	1997 04 12.28203	11 13 56.05	+03 38 01.8	18.0 R	684
1997 FS	1997 03 29.22089	09 34 07.08	+11 01 22.7		684	1997 GR ₃	1997 04 12.29921	11 13 55.56	+03 38 04.6	17.8 R	684
1997 FS	1997 03 29.23190	09 34 06.96	+11 01 26.1	18.8 R	684	1997 GR ₃	1997 04 14.30830	11 13 03.83	+03 43 26.2		684
1997 FS	1997 03 30.20295	09 33 58.46	+11 06 09.0	18.7 R	684	1997 GR ₃	1997 04 14.31269	11 13 03.77	+03 43 27.6		684
1997 FS	1997 03 30.20716	09 33 58.43	+11 06 10.2		684	1997 GR ₃	1997 04 14.31683	11 13 03.65	+03 43 27.7	18.7 R	684
1997 FS	1997 03 30.21148	09 33 58.37	+11 06 11.3		684	1997 GR ₃	1997 04 15.34464	11 12 39.15	+03 46 01.1		684
1997 FT	* 1997 03 29.24135	10 20 57.95	+11 12 31.7	19.1 R	684	1997 GR ₃	1997 04 15.34994	11 12 39.03	+03 46 01.8		684
1997 FT	1997 03 29.24568	10 20 57.81	+11 12 33.4		684	1997 GR ₃	1997 04 15.35559	11 12 38.89	+03 46 02.7	18.0 R	684
1997 FT	1997 03 29.25019	10 20 57.67	+11 12 34.6		684	1997 GY ₃	1997 04 09.25941	13 17 00.33	-12 43 55.6	19.2 R	684
1997 FT	1997 03 30.23831	10 20 31.24	+11 18 10.3	19.1 R	684	1997 GY ₃	1997 04 09.26644	13 16 59.89	-12 43 54.9		684
1997 FT	1997 03 30.25003	10 20 30.90	+11 18 14.1		684	1997 GY ₃	1997 04 12.36240	13 13 50.38	-12 38 02.9	19.1 R	684
1997 FH ₁	* 1997 03 30.21905	09 44 52.70	+17 59 44.2	17.7 R	E 684	1997 GY ₃	1997 04 12.37646	13 13 49.48	-12 38 01.3		684
1997 FH ₁	1997 03 30.22316	09 44 52.58	+17 59 43.7		E 684	1997 GY ₃	1997 04 12.38050	13 13 49.24	-12 38 00.6		684
1997 FH ₁	1997 03 30.22770	09 44 52.44	+17 59 43.2		E 684	1997 GT ₂₇	* 1997 04 09.22463	11 08 24.45	+05 40 56.4	19.4 R	684
1997 FH ₁	1997 03 31.25208	09 44 25.51	+17 57 40.0	17.2 R	684	1997 GT ₂₇	1997 04 09.23015	11 08 24.35	+05 40 57.9		684
1997 FH ₁	1997 03 31.26598	09 44 25.07	+17 57 37.2		684	1997 GT ₂₇	1997 04 09.23537	11 08 24.13	+05 40 58.4		684
1997 FH ₁	1997 04 01.24047	09 44 01.03	+17 55 34.0	17.5 R	684	1997 GT ₂₇	1997 04 12.24966	11 07 08.47	+05 50 40.0	19.4 R	684
1997 FH ₁	1997 04 01.24360	09 44 00.95	+17 55 33.7		684	1997 GT ₂₇	1997 04 12.25727	11 07 08.29	+05 50 41.3		684
1997 FH ₁	1997 04 01.26301	09 44 00.47	+17 55 31.0		684	1997 GU ₂₇	* 1997 04 09.22463	11 08 26.41	+05 40 43.8	19.4 R	684
1997 FH ₁	1997 04 09.19962	09 41 36.29	+17 34 54.6	18.2 R	684	1997 GU ₂₇	1997 04 09.23015	11 08 26.20	+05 40 43.6		684
1997 FH ₁	1997 04 09.20391	09 41 36.23	+17 34 53.8		684	1997 GU ₂₇	1997 04 09.23537	11 08 26.02	+05 40 43.8		684
1997 FH ₁	1997 04 09.21725	09 41 36.06	+17 34 51.4		684	1997 GU ₂₇	1997 04 12.26572	11 06 43.14	+05 39 31.5	19.1 R	684
1997 GM ₃	* 1997 04 07.24653	11 15 34.16	+03 40 54.1	19.2 R	E 684	1997 GU ₂₇	1997 04 12.27260	11 06 42.93	+05 39 31.1		684
1997 GM ₃	1997 04 07.26428	11 15 33.65	+03 41 00.1		E 684	1997 GV ₂₇	* 1997 04 09.25941	13 16 34.84	-12 45 44.8	I 684	684
1997 GM ₃	1997 04 07.26843	11 15 33.53	+03 41 02.1		E 684	1997 GV ₂₇	1997 04 09.26644	13 16 34.44	-12 45 43.8	18.6 R	684
1997 GM ₃	1997 04 08.27822	11 15 06.63	+03 46 32.9	19.1 R	684	1997 GV ₂₇	1997 04 12.36240	13 13 57.01	-12 38 50.8	19.1 R	684

1997 GV ₂₇	1997 04 12.37646	13 13 56.28	-12 38 48.8		684	1997 ER ₄₀	1997 03 08.36288	12 55 23.90	-04 37 01.6	18.9 R	688
1997 GV ₂₇	1997 04 12.38050	13 13 56.03	-12 38 48.2		684	1997 ER ₄₀	1997 03 08.36816	12 55 23.74	-04 36 58.8	19.2 R	688
1997 GW ₂₇	* 1997 04 12.28861	11 14 33.32	+03 25 44.1	17.5 R	I 684	1997 ER ₄₀	1997 03 08.37205	12 55 23.61	-04 36 56.5	19.1 R	688
1997 GW ₂₇	1997 04 12.31544	11 14 32.50	+03 25 53.6	17.5 R	E 684	1997 ER ₄₀	1997 03 08.37716	12 55 23.47	-04 36 53.9	19.2 R	688
1997 GW ₂₇	1997 04 12.34363	11 14 31.62	+03 26 03.7		E 684	1997 ER ₄₀	1997 03 08.38105	12 55 23.35	-04 36 51.8	19.2 R	688
1997 GW ₂₇	1997 04 14.30830	11 13 37.09	+03 37 30.3		I 684	1997 ER ₄₀	1997 03 08.38494	12 55 23.22	-04 36 49.5	19.2 R	688
1997 GW ₂₇	1997 04 14.31269	11 13 36.90	+03 37 31.5		684	1997 ER ₄₀	1997 03 08.41274	12 55 22.33	-04 36 33.9	19.1 R	688
1997 GW ₂₇	1997 04 14.31683	11 13 36.76	+03 37 32.9	17.9 R	684	1997 ER ₄₀	1997 03 08.41664	12 55 22.27	-04 36 32.0	19.1 R	688
1997 GW ₂₇	1997 04 15.34464	11 13 10.92	+03 43 12.3		684	1997 ER ₄₀	1997 03 08.42053	12 55 22.14	-04 36 29.7	19.1 R	688
1997 GW ₂₇	1997 04 15.35559	11 13 10.64	+03 43 15.7	18.4 R	684	1997 ER ₄₀	1997 03 08.48075	12 55 20.33	-04 35 56.7	19.1 R	688
1997 GL ₂₈	* 1997 04 14.35051	14 29 20.61	-15 14 54.6	18.0 R	E 684	1997 ER ₄₀	1997 03 08.48465	12 55 20.20	-04 35 54.4	19.0 R	688
1997 GL ₂₈	1997 04 14.36296	14 29 20.11	-15 14 48.4		E 684	1997 ER ₄₀	1997 03 08.48855	12 55 20.08	-04 35 52.1	19.1 R	688
1997 GL ₂₈	1997 04 15.36262	14 28 41.38	-15 06 04.9		684	1997 ER ₄₀	1997 03 10.28137	12 54 26.91	-04 19 04.0	19.3 R	688
1997 GL ₂₈	1997 04 15.37985	14 28 40.69	-15 05 55.9	18.0 R	684	1997 ER ₄₀	1997 03 10.28528	12 54 26.81	-04 19 01.5	19.4 R	688
1997 GM ₂₈	* 1997 04 14.37126	14 30 57.13	-14 55 00.9	18.8 R	684	1997 ER ₄₀	1997 03 10.30047	12 54 26.29	-04 18 53.0	19.2 R	688
1997 GM ₂₈	1997 04 14.37969	14 30 56.76	-14 54 58.8		684	1997 ER ₄₀	1997 03 10.30439	12 54 26.18	-04 18 50.9	19.3 R	688
1997 GM ₂₈	1997 04 15.36763	14 30 13.42	-14 51 37.8		684	1997 ER ₄₀	1997 03 10.35727	12 54 24.47	-04 18 20.5	19.3 R	688
1997 GM ₂₈	1997 04 15.38543	14 30 12.53	-14 51 33.5	18.8 R	I 684	1997 ER ₄₀	1997 03 10.36118	12 54 24.34	-04 18 18.4	19.3 R	688
(6035)	1997 03 18.31038	11 24 49.59	+05 23 02.2		E 684	1997 ER ₄₀	1997 03 10.48170	12 54 20.38	-04 17 10.0	19.4 R	688
(6035)	1997 03 18.31892	11 24 49.15	+05 23 13.0	16.0 R	E 684	1997 ER ₄₀	1997 03 10.48563	12 54 20.25	-04 17 07.3	19.3 R	688
(6035)	1997 03 18.32323	11 24 48.93	+05 23 18.4		E 684	1997 ER ₄₀	1997 03 11.30986	12 53 54.50	-04 09 11.9	18.9 R	688
						1997 ER ₄₀	1997 03 11.31377	12 53 54.36	-04 09 09.7	19.0 R	688
						1997 ER ₄₀	1997 03 11.48664	12 53 48.55	-04 07 29.7	19.4 R	688
						1997 ER ₄₀	1997 03 11.49054	12 53 48.44	-04 07 27.4	19.3 R	688
						1997 ER ₄₀	1997 03 12.24554	12 53 24.11	-04 00 05.1	19.4 R	688
						1997 ER ₄₀	1997 03 12.25987	12 53 23.66	-03 59 57.1	19.4 R	688
						1997 ER ₄₀	1997 03 12.33209	12 53 21.15	-03 59 14.7	19.4 R	688
						1997 ER ₄₀	1997 03 12.33531	12 53 21.04	-03 59 12.9	19.5 R	688
						1997 ER ₄₀	1997 03 13.23876	12 52 50.82	-03 50 16.5	19.0 R	688
						1997 ER ₄₀	1997 03 13.24267	12 52 50.65	-03 50 13.4	19.2 R	688
						1997 ER ₄₀	1997 03 13.27664	12 52 49.50	-03 49 53.6	19.4 R	688
						1997 ER ₄₀	1997 03 13.28056	12 52 49.31	-03 49 51.0	19.2 R	688
						1997 ES ₄₀	* 1997 03 07.48998	12 26 15.26	-04 56 38.4	17.8 R	688
						1997 ES ₄₀	1997 03 07.49250	12 26 15.18	-04 56 37.9	17.8 R	688
						1997 ES ₄₀	1997 03 07.49501	12 26 15.02	-04 56 36.1	17.7 R	688
						1997 ES ₄₀	1997 03 07.49800	12 26 14.88	-04 56 35.2	17.7 R	688
						1997 ES ₄₀	1997 03 07.50051	12 26 14.79	-04 56 34.6	17.6 R	688
						1997 ES ₄₀	1997 03 07.50303	12 26 14.62	-04 56 33.2	17.7 R	688
						1997 ES ₄₀	1997 03 07.50557	12 26 14.49	-04 56 31.7	17.6 R	688
						1997 ES ₄₀	1997 03 07.50740	12 26 14.44	-04 56 31.7	17.6 R	688
						1997 ES ₄₀	1997 03 07.50921	12 26 14.40	-04 56 31.2	17.7 R	688
						1997 ES ₄₀	1997 03 08.39098	12 25 32.76	-04 50 46.1	18.1 R	688
						1997 ES ₄₀	1997 03 08.39487	12 25 32.56	-04 50 44.7	18.2 R	688
						1997 ES ₄₀	1997 03 08.39920	12 25 32.37	-04 50 42.9	18.2 R	688
						1997 ES ₄₀	1997 03 08.40309	12 25 32.16	-04 50 41.3	18.1 R	688
						1997 ES ₄₀	1997 03 08.40698	12 25 31.97	-04 50 39.8	18.1 R	688
						1997 ES ₄₀	1997 03 08.42593	12 25 31.01	-04 50 32.0	18.1 R	688
						1997 ES ₄₀	1997 03 08.42981	12 25 30.81	-04 50 30.5	18.1 R	688
						1997 ES ₄₀	1997 03 08.43372	12 25 30.62	-04 50 28.9	18.1 R	688
						1997 ES ₄₀	1997 03 08.49468	12 25 27.59	-04 50 04.9	18.0 R	688
						1997 ES ₄₀	1997 03 08.49855	12 25 27.40	-04 50 03.3	18.0 R	688
						1997 ES ₄₀	1997 03 08.50245	12 25 27.19	-04 50 01.6	18.1 R	688

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1.07-m Hall reflector + CCD, 1.8-m Perkins reflector + CCD

USNO-A1.0

1997 ER ₄₀	* 1997 03 07.32286	12 55 53.07	-04 46 29.7	19.0 R	688	1997 ER ₄₀	1997 03 12.33209	12 53 21.15	-03 59 14.7	19.4 R	688
1997 ER ₄₀	1997 03 07.32894	12 55 52.93	-04 46 26.8	19.0 R	688	1997 ER ₄₀	1997 03 12.33531	12 53 21.04	-03 59 12.9	19.5 R	688
1997 ER ₄₀	1997 03 07.41465	12 55 50.43	-04 45 40.1	18.9 R	688	1997 ER ₄₀	1997 03 13.23876	12 52 50.82	-03 50 16.5	19.0 R	688
1997 ER ₄₀	1997 03 07.42221	12 55 50.19	-04 45 36.0	19.0 R	688	1997 ER ₄₀	1997 03 13.24267	12 52 50.65	-03 50 13.4	19.2 R	688
1997 ER ₄₀	1997 03 07.42970	12 55 49.94	-04 45 31.8	19.0 R	688	1997 ER ₄₀	1997 03 13.27664	12 52 49.50	-03 49 53.6	19.4 R	688
1997 ER ₄₀	1997 03 07.43726	12 55 49.75	-04 45 28.3	19.1 R	688	1997 ER ₄₀	1997 03 13.28056	12 52 49.31	-03 49 51.0	19.2 R	688
1997 ER ₄₀	1997 03 07.44166	12 55 49.60	-04 45 25.7	18.7 R	688	1997 ES ₄₀	* 1997 03 07.48998	12 26 15.26	-04 56 38.4	17.8 R	688
1997 ER ₄₀	1997 03 07.44514	12 55 49.51	-04 45 23.6	19.1 R	688	1997 ES ₄₀	1997 03 07.49250	12 26 15.18	-04 56 37.9	17.8 R	688
1997 ER ₄₀	1997 03 07.44909	12 55 49.43	-04 45 21.1	19.1 R	688	1997 ES ₄₀	1997 03 07.49501	12 26 15.02	-04 56 36.1	17.7 R	688
1997 ER ₄₀	1997 03 07.45306	12 55 49.31	-04 45 19.6	19.2 R	688	1997 ES ₄₀	1997 03 07.49800	12 26 14.88	-04 56 35.2	17.7 R	688
1997 ER ₄₀	1997 03 07.45701	12 55 49.17	-04 45 17.1	18.9 R	688	1997 ES ₄₀	1997 03 07.50051	12 26 14.79	-04 56 34.6	17.6 R	688
1997 ER ₄₀	1997 03 07.46098	12 55 49.08	-04 45 15.2	19.0 R	688	1997 ES ₄₀	1997 03 07.50303	12 26 14.62	-04 56 33.2	17.7 R	688
1997 ER ₄₀	1997 03 07.46508	12 55 49.01	-04 45 13.2	19.1 R	688	1997 ES ₄₀	1997 03 07.50557	12 26 14.49	-04 56 31.7	17.6 R	688
1997 ER ₄₀	1997 03 07.46906	12 55 48.83	-04 45 10.9	19.0 R	688	1997 ES ₄₀	1997 03 07.50740	12 26 14.44	-04 56 31.7	17.6 R	688
1997 ER ₄₀	1997 03 07.47302	12 55 48.69	-04 45 08.4	19.3 R	688	1997 ES ₄₀	1997 03 07.50921	12 26 14.40	-04 56 31.2	17.7 R	688
1997 ER ₄₀	1997 03 07.51286	12 55 47.55	-04 44 46.7	19.0 R	688	1997 ES ₄₀	1997 03 08.39098	12 25 32.76	-04 50 46.1	18.1 R	688
1997 ER ₄₀	1997 03 07.51676	12 55 47.42	-04 44 44.3	18.9 R	688	1997 ES ₄₀	1997 03 08.39487	12 25 32.56	-04 50 44.7	18.2 R	688
1997 ER ₄₀	1997 03 07.52067	12 55 47.33	-04 44 42.3	18.9 R	688	1997 ES ₄₀	1997 03 08.39920	12 25 32.37	-04 50 42.9	18.2 R	688
1997 ER ₄₀	1997 03 07.52531	12 55 47.18	-04 44 39.7	18.7 R	688	1997 ES ₄₀	1997 03 08.40309	12 25 32.16	-04 50 41.3	18.1 R	688
1997 ER ₄₀	1997 03 08.33343	12 55 24.82	-04 37 17.5	19.1 R	688	1997 ES ₄₀	1997 03 08.40698	12 25 31.97	-04 50 39.8	18.1 R	688
1997 ER ₄₀	1997 03 08.33784	12 55 24.69	-04 37 15.4	19.1 R	688	1997 ES ₄₀	1997 03 08.42593	12 25 31.01	-04 50 32.0	18.1 R	688
1997 ER ₄₀	1997 03 08.34176	12 55 24.57	-04 37 13.2	19.2 R	688	1997 ES ₄₀	1997 03 08.42981	12 25 30.81	-04 50 30.5	18.1 R	688
1997 ER ₄₀	1997 03 08.34619	12 55 24.42	-04 37 10.3	19.1 R	688	1997 ES ₄₀	1997 03 08.43372	12 25 30.62	-04 50 28.9	18.1 R	688
1997 ER ₄₀	1997 03 08.35090	12 55 24.25	-04 37 08.1	19.1 R	688	1997 ES ₄₀	1997 03 08.49468	12 25 27.59	-04 50 04.9	18.0 R	688
1997 ER ₄₀	1997 03 08.35502	12 55 24.13	-04 37 06.0	19.1 R	688	1997 ES ₄₀	1997 03 08.49855	12 25 27.40	-04 50 03.3	18.0 R	688
1997 ER ₄₀	1997 03 08.35899	12 55 23.99	-04 37 03.7	19.0 R	688	1997 ES ₄₀	1997 03 08.50245	12 25 27.19	-04 50 01.6	18.1 R	688

1997 ES ₄₀	1997 03 09.29216	12 24 49.41	-04 44 46.1	18.1 R	688	1981 GQ	1997 01 10.30181	07 07 09.48	+44 40 42.8		689
1997 ES ₄₀	1997 03 09.29606	12 24 49.24	-04 44 44.6	18.0 R	688	1981 GQ	1997 03 10.12391	06 43 02.14	+39 43 33.2	18.0 V	689
1997 ES ₄₀	1997 03 10.27163	12 24 01.25	-04 38 08.0	18.6 R	688	1981 JB ₂	1997 02 12.37343	11 00 38.39	+25 38 36.7		689
1997 ES ₄₀	1997 03 10.27553	12 24 01.09	-04 38 06.2	18.6 R	688	1981 RF ₂	1997 02 12.49390	13 54 35.62	-26 41 25.5		689
1997 ES ₄₀	1997 03 10.29095	12 24 00.29	-04 37 59.9	18.3 R	688	1981 VF	1997 01 09.31217	07 18 09.60	+30 05 32.7		689
1997 ES ₄₀	1997 03 10.29486	12 24 00.07	-04 37 58.4	18.3 R	688	1982 FK ₃	1997 01 09.20467	04 42 55.75	+14 25 30.4		689
1997 ES ₄₀	1997 03 10.37280	12 23 56.05	-04 37 26.5	18.2 R	688	1982 RK	1997 02 26.32625	10 47 43.10	+14 36 02.3		689
1997 ES ₄₀	1997 03 10.37671	12 23 55.85	-04 37 25.0	18.2 R	688	1982 TB ₂	1997 01 09.16998	03 52 50.03	+20 34 24.6		689
1997 ES ₄₀	1997 03 10.49111	12 23 49.97	-04 36 37.9	18.1 R	688	1982 TB ₂	1997 01 10.16731	03 52 55.59	+20 31 50.7		689
1997 ES ₄₀	1997 03 10.49502	12 23 49.77	-04 36 36.0	18.0 R	688	1982 UT ₅	1997 03 09.30066	10 54 20.03	+01 25 14.1	15.9 V	689
1997 ES ₄₀	1997 03 11.33933	12 23 07.64	-04 30 44.9	18.2 R	688	1982 UQ ₁₀	1997 03 10.33653	11 50 03.56	+04 14 59.7	16.2 V	689
1997 ES ₄₀	1997 03 11.34323	12 23 07.44	-04 30 43.3	18.2 R	688	1982 VF	1997 01 10.20162	04 42 28.92	+34 05 40.5		689
1997 ES ₄₀	1997 03 11.47733	12 23 00.38	-04 29 47.3	18.0 R	688	1982 VL	1997 03 09.15715	07 27 05.70	+35 31 17.3	17.1 V	689
1997 ES ₄₀	1997 03 11.48124	12 23 00.18	-04 29 45.4	17.9 R	688	1982 VL	1997 03 10.15479	07 27 37.23	+35 25 08.3	17.1 V	689
1997 ES ₄₀	1997 03 12.23522	12 22 22.27	-04 24 27.2	18.2 R	688	1983 RR ₂	1997 03 09.48251	15 16 53.91	-21 42 20.2	17.6 V	689
1997 ES ₄₀	1997 03 12.23858	12 22 22.08	-04 24 25.9	18.2 R	688	1983 RR ₂	1997 03 10.48004	15 17 16.61	-21 47 57.4	17.4 V	689
1997 ES ₄₀	1997 03 12.24179	12 22 21.89	-04 24 24.6	18.1 R	688	1984 CM	1997 03 09.38497	12 56 04.06	+00 33 02.8	15.5 V	689
1997 ES ₄₀	1997 03 12.25253	12 22 21.33	-04 24 20.1	18.2 R	688	1984 CM	1997 03 10.38171	12 55 17.94	+00 35 21.5	15.8 V	689
1997 ES ₄₀	1997 03 12.25574	12 22 21.15	-04 24 18.4	18.0 R	688	1984 UX	1997 01 09.07073	01 29 31.73	+16 45 47.2		689
1997 ES ₄₀	1997 03 13.24694	12 21 29.94	-04 17 14.1	18.3 R	688	1984 UX	1997 01 10.06919	01 31 15.23	+16 55 34.1		689
1997 ES ₄₀	1997 03 13.25086	12 21 29.76	-04 17 11.5	18.4 R	688	1985 VF ₁	1997 01 09.15220	03 27 09.62	+19 15 57.2		689
1997 ES ₄₀	1997 03 13.28488	12 21 27.97	-04 16 57.7	18.2 R	688	1985 VF ₁	1997 01 10.14987	03 27 45.17	+19 16 58.5		689
1997 ES ₄₀	1997 03 13.28878	12 21 27.73	-04 16 55.7	18.2 R	688	1985 VF ₁	1997 01 28.11196	03 43 59.09	+19 54 36.4		689
689 U.S. Naval Observatory, Flagstaff Station						1986 AJ	1997 03 09.13876	07 00 32.74	+13 40 20.2	17.2 V	689
E. Bowell, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff AZ 86001, U.S.A. [elgb@lowell.edu]						1986 CB	1997 03 09.37616	12 43 20.57	+23 53 04.5	16.3 V	689
R. C. Stone, U. S. Naval Observatory, Flagstaff Station, P.O. Box 1149, Flagstaff AZ 86002-1149 [rcs@nofs.navy.mil]						1986 CB	1997 03 10.37282	12 42 27.45	+24 07 10.3	16.2 V	689
C. B. Luginbuhl, U. S. Naval Observatory, Flagstaff Station, P.O. Box 1149, Flagstaff AZ 86002-1149 [cluginbuhl@nofs.navy.mil]						1986 EP ₅	1997 02 12.37910	11 08 49.79	+05 11 12.2		689
Observer A. K. B. Monet, C. B. Luginbuhl, R. C. Stone						1986 SC ₂	1997 03 10.48336	15 22 03.78	-23 59 25.1	17.1 V	689
0.20-m transit telescope + CCD, 1.55-m astrometric reflector + CCD						1986 TR ₂	1997 01 10.45346	10 46 05.99	+22 29 15.1		689
GSC, USNO-A1.0						1986 TR ₂	1997 02 12.34864	10 24 50.65	+26 25 40.0		689
1953 GN	1997 01 10.48751	11 35 16.32	+00 05 27.6		689	1986 TR ₂	1997 03 09.26437	10 01 55.07	+27 54 35.1	15.7 V	689
1953 GN	1997 02 26.35769	11 33 06.19	+02 55 20.2		689	1986 TR ₂	1997 03 10.26111	10 01 09.66	+27 55 14.0	15.9 V	689
1964 YJ	1997 01 10.48433	11 30 40.89	+12 15 54.3		689	1987 SE ₃	1997 03 09.25444	09 47 35.55	+20 11 54.3	16.6 V	689
1975 YD	1997 02 12.45114	12 52 50.81	-16 29 47.1		689	1987 SE ₃	1997 03 10.25125	09 46 55.13	+20 14 44.7	16.7 V	689
1976 YG ₁	1997 03 09.34423	11 57 14.30	+11 50 54.3	15.5 V	689	1987 SH ₇	1997 03 09.30366	10 58 38.71	-27 11 20.0	16.0 V	689
1977 QY	1997 02 26.34321	11 12 12.22	+04 24 32.0		689	1987 WS ₃	1997 01 10.49158	11 41 08.78	-15 45 53.4		689
1977 UM ₄	1997 01 09.33413	07 49 51.52	+25 07 53.1		689	1988 BC	1997 03 09.28449	10 30 57.90	+33 05 42.5	14.4 V	689
1977 UM ₄	1997 01 10.33061	07 48 43.51	+25 10 49.1		689	1988 BC	1997 03 10.28124	10 30 13.28	+33 07 04.0	14.5 V	689
1978 RN ₅	1997 01 09.08508	01 50 15.41	+26 02 24.8		689	1988 CA	1997 02 11.16560	05 56 36.78	+11 36 33.8		689
1978 UV	1997 02 12.34174	10 14 53.21	+21 47 10.0		689	1988 CA	1997 02 12.16292	05 56 41.38	+11 44 05.8		689
1980 FU	1997 01 28.29345	08 06 01.94	+28 20 47.6		689	1988 CA	1997 02 26.12777	06 01 08.38	+13 27 25.3		689
1980 PV ₁	1997 02 26.24753	08 54 02.61	+11 28 29.5		689	1988 CA	1997 03 09.10287	06 08 43.47	+14 42 28.4	16.6 V	689
1980 TO ₅	1997 01 09.13709	03 05 20.41	+12 57 40.2		689	1988 CA	1997 03 10.10073	06 09 34.70	+14 48 55.1	16.3 V	689
1980 UL ₁	1997 03 09.45346	14 34 57.21	-20 55 02.2	17.0 V	689	1988 CT ₅	1997 02 12.46571	13 13 53.15	-21 23 20.0		689
1980 UL ₁	1997 03 10.45068	14 34 53.27	-20 54 39.7	17.6 V	689	1988 KA	1997 03 10.44772	14 30 36.69	-09 03 48.9	16.4 V	689
1981 EO ₉	1997 01 09.33741	07 54 35.93	+28 37 28.4		689	1988 RV ₁₀	1997 01 10.39526	09 22 04.03	+13 58 28.6		689
1981 EO ₉	1997 01 10.33404	07 53 40.69	+28 38 06.5		689	1988 SN	1997 02 11.26483	08 19 53.77	+28 32 29.6		689
1981 EO ₉	1997 01 28.27356	07 37 19.31	+28 36 37.7		689	1988 SN	1997 02 26.21604	08 08 35.80	+28 04 50.8		689
1981 EF ₂₆	1997 01 09.15994	03 38 20.52	+10 33 59.8		689	1988 SN	1997 03 09.18335	08 04 55.29	+27 27 21.1	16.9 V	689
						1988 SN	1997 03 10.18052	08 04 47.23	+27 23 24.5	16.6 V	689
						1988 TN	1997 01 28.16688	05 03 17.18	+30 32 25.3		689
						1988 US	1997 03 09.35309	12 10 02.30	-07 28 15.6	16.7 V	689

1988 US	1997 03 10.34974	12 09 08.52	-07 23 37.3	16.3 V	689	1991 VH	1997 02 12.42367	12 13 11.51	+11 22 57.5		689
1988 VP	1997 01 09.10518	02 19 16.53	+16 06 19.7		689	1991 VH	1997 03 09.33767	11 47 45.32	+30 48 42.8	15.1 V	689
1988 VP	1997 01 10.10277	02 19 44.53	+16 13 16.0		689	1991 VH	1997 03 10.33376	11 46 03.12	+31 29 20.2	15.2 V	689
1988 VS ₂	1997 01 09.06688	01 23 58.15	+04 14 46.4		689	1991 VU	1997 02 12.33115	09 59 34.73	+00 52 44.6		689
1989 AE	1997 03 10.33986	11 54 52.26	-03 30 43.6	17.1 V	689	1991 VU	1997 02 26.28435	09 47 12.45	+02 00 57.7		689
1989 SF	1997 02 12.33792	10 09 21.53	+11 11 36.4		689	1991 VF ₄	1997 03 09.35999	12 19 59.94	+09 48 04.6	16.7 V	689
1989 SF	1997 03 09.25157	09 43 27.00	+12 32 54.5	15.7 V	689	1991 YV	1997 03 10.43311	14 09 30.97	+09 06 52.2	15.8 V	689
1989 TB ₁	1997 02 12.38219	11 13 16.75	+08 08 37.1		689	1992 DS ₆	1997 03 10.42885	14 03 21.96	-16 39 00.1	15.9 V	689
1989 TT ₁₁	1997 03 09.42325	13 51 20.33	-11 37 40.1	16.7 V	689	1992 FJ ₁	1997 01 10.36701	08 41 17.23	+29 14 59.2		689
1989 TT ₁₁	1997 03 10.42027	13 50 58.68	-11 35 19.4	16.5 V	689	1992 GH	1997 03 09.37922	12 47 45.56	-12 48 34.5	16.2 V	689
1989 VX	1997 03 10.34371	12 00 25.67	+03 48 33.1	16.8 V	689	1992 GH	1997 03 10.37559	12 46 27.62	-12 56 01.0	15.9 V	689
1989 WO ₁	1997 03 09.18776	08 11 17.86	+33 24 39.0	16.0 V	689	1992 PY	1997 02 11.18184	06 20 05.15	+33 30 49.3		689
1989 WO ₁	1997 03 10.18489	08 11 05.99	+33 22 39.3	16.1 V	689	1992 SR ₁	1997 02 26.26630	09 21 08.91	+08 24 59.2		689
1989 YK	1997 01 10.39831	09 26 27.98	+10 29 00.9		689	1992 SR ₁	1997 03 09.23060	09 13 10.17	+08 51 48.9	16.3 V	689
1989 YK	1997 02 26.23948	08 42 25.79	+13 56 45.0		689	1992 SR ₁	1997 03 10.22750	09 12 37.62	+08 53 55.7	16.7 V	689
1989 YU ₅	1997 01 09.32467	07 36 11.93	+20 22 11.6		689	1992 SC ₂₄	1997 01 09.16710	03 48 41.19	+16 19 37.9		689
1989 YU ₅	1997 01 10.32108	07 34 58.09	+20 23 54.6		689	1992 SC ₂₄	1997 01 10.16447	03 48 49.33	+16 18 27.1		689
1990 BJ	1997 02 11.08609	04 01 49.49	+28 48 22.8		689	1992 UZ ₁	1997 01 09.18080	04 08 28.03	+27 17 45.6		689
1990 BJ	1997 02 12.08464	04 03 40.75	+28 37 09.4		689	1992 UZ ₁	1997 01 10.17802	04 08 23.96	+27 13 11.7		689
1990 GE	1997 02 12.32322	09 48 08.28	+20 45 11.8		689	1992 UD ₃	1997 02 11.20352	06 51 21.88	+10 24 44.8		689
1990 QR	1997 03 09.22315	09 02 24.00	+08 50 58.2	17.5 V	689	1992 UD ₃	1997 02 12.20062	06 51 06.85	+10 28 03.8		689
1990 QV ₁	1997 01 09.28393	06 37 22.23	+21 48 42.1		689	1992 WH ₁	1997 02 26.13069	06 05 21.74	+21 04 25.1		689
1990 QV ₄	1997 01 09.14284	03 13 38.29	+05 01 14.6		689	1992 WP ₄	1997 01 28.10559	03 34 46.96	+36 26 37.6		689
1990 QV ₄	1997 01 10.14019	03 13 45.67	+05 07 48.4		689	1993 BH ₂	1997 01 10.48146	11 26 31.81	+06 51 59.8		689
1990 QV ₄	1997 01 28.09535	03 19 59.31	+07 17 18.5		689	1993 BT ₂	1997 02 12.13116	05 10 50.87	+28 23 25.0		689
1990 RD	1997 02 12.29327	09 04 53.56	+09 08 22.9		689	1993 BP ₃	1997 03 10.39357	13 12 24.61	-37 58 00.6	17.1 V	689
1990 SP ₇	1997 02 11.23070	07 30 37.06	+26 06 48.7		689	1993 BM ₁₂	1997 03 09.31086	11 09 03.45	+03 54 35.2	14.6 V	689
1990 SP ₇	1997 02 12.22753	07 29 59.04	+26 07 41.1		689	1993 BM ₁₂	1997 03 10.30749	11 08 07.80	+03 59 17.3	14.7 V	689
1990 SP ₇	1997 02 26.18519	07 24 03.47	+26 10 49.8		689	1993 FJ ₁₀	1997 01 10.28103	06 37 08.25	+25 47 11.0		689
1990 SJ ₁₆	1997 01 10.12188	02 47 19.73	+21 40 08.0		689	1993 FN ₂₆	1997 02 11.16856	06 00 53.87	+22 21 53.3		689
1990 TN ₁	1997 02 12.18216	06 24 29.48	+33 20 34.9		689	1993 FN ₂₆	1997 02 12.16582	06 00 53.31	+22 21 04.8		689
1990 TM ₇	1997 03 09.41663	13 41 46.91	-07 44 08.1	17.4 V	689	1993 FU ₃₃	1997 01 28.30229	08 18 48.07	+26 52 12.0		689
1990 TM ₇	1997 03 10.41358	13 41 19.13	-07 42 44.2	17.4 V	689	1993 GH	1997 01 28.27056	07 32 59.91	+37 00 15.0		689
1990 TK ₈	1997 01 09.26516	06 10 17.50	+36 09 47.1		689	1993 GH	1997 03 09.14807	07 13 58.92	+35 44 08.0	16.3 V	689
1990 VD ₆	1997 03 10.30100	10 58 45.55	+06 39 42.9	16.5 V	689	1993 GH	1997 03 10.14538	07 14 02.49	+35 40 31.6	17.1 V	689
1990 VY ₁₃	1997 01 10.36355	08 36 17.76	+23 34 10.1		689	1993 GM	1997 01 28.23996	06 48 47.74	+21 42 36.0		689
1990 VY ₁₃	1997 02 12.25443	08 08 49.25	+25 17 46.0		689	1993 GM	1997 02 11.19695	06 41 53.48	+22 08 55.4		689
1990 VY ₁₃	1997 03 09.17958	07 59 29.14	+25 23 16.0	16.8 V	689	1993 GM	1997 02 12.19402	06 41 35.77	+22 10 32.0		689
1990 VY ₁₃	1997 03 10.17683	07 59 27.52	+25 22 12.5	16.6 V	689	1993 HF	1997 03 09.37296	12 38 43.56	-19 34 02.5	15.6 V	689
1990 WL	1997 02 11.11370	04 41 41.04	+13 42 31.2		689	1993 HM ₁	1997 03 09.31809	11 19 29.55	+20 47 14.8	15.6 V	689
1991 BX	1997 03 10.31036	11 12 17.06	-01 29 52.6	15.9 V	689	1993 HM ₁	1997 03 10.31483	11 18 43.37	+20 58 36.1	15.6 V	689
1991 CS	1997 02 12.44730	12 47 18.62	-17 56 54.5		689	1994 DS	1997 02 11.17156	06 05 14.06	+29 45 16.3		689
1991 CS	1997 03 09.36990	12 34 16.51	+43 13 28.4	16.0 V	689	1994 DS	1997 02 12.16896	06 05 26.04	+29 43 54.1		689
1991 CS	1997 03 10.36615	12 32 48.11	+44 51 44.1	16.1 V	689	1994 EO ₂	1997 01 09.06325	01 18 43.55	+45 50 42.2		689
1991 NF ₃	1997 01 09.16291	03 42 38.20	+24 17 23.1		689	1994 PV ₁₆	1997 03 10.31785	11 23 05.24	+03 42 04.3	16.6 V	689
1991 PT ₁	1997 01 28.30872	08 28 04.05	+13 44 30.1		689	1994 TH ₂	1997 03 10.24479	09 37 35.80	+16 38 57.4	16.6 V	689
1991 PC ₁₁	1997 02 11.13033	05 05 41.89	+15 50 09.4		689	1994 US ₁	1997 03 09.48532	15 20 57.79	-15 08 12.6	16.6 V	689
1991 PQ ₁₁	1997 01 28.27808	07 43 50.57	+22 37 27.5		689	1995 OA	1997 02 11.28760	08 52 45.53	+09 56 33.0		689
1991 PX ₁₇	1997 03 09.27685	10 19 56.47	+14 49 48.8	16.1 V	689	1995 OA	1997 02 12.28417	08 51 45.33	+09 59 04.4		689
1991 PX ₁₇	1997 03 10.27343	10 18 56.50	+14 51 56.7	16.0 V	689	1995 SB ₂	1997 01 28.24886	07 01 37.34	+03 38 06.0		689
1991 RC ₂₂	1997 03 10.35658	12 19 00.64	+03 11 55.2	16.6 V	689	1995 SV ₂	1997 01 10.49597	11 47 29.66	+04 58 02.4		689
1991 RN ₂₇	1997 02 26.21313	08 04 23.99	+30 29 04.7		689	1995 SY ₂	1997 03 09.33228	11 39 59.39	+03 26 30.4	16.6 V	689

1995 SY ₂	1997 03 10.32885	11 38 58.84	+03 33 07.1	16.3 V	689	3076 T-2	1997 01 09.20759	04 47 08.96	+22 56 27.6	689
1995 SD ₅	1997 02 26.14264	06 22 38.06	+37 31 26.5		689	3076 T-2	1997 01 10.20451	04 46 38.96	+22 56 07.5	689
1995 SD ₅	1997 03 10.11190	06 25 42.12	+36 23 29.8	17.6 V	689	3186 T-3	1997 03 09.31446	11 14 14.67	+10 29 55.0	16.7 V 689
1995 SB ₁₃	1997 01 28.22712	06 30 14.88	+17 17 30.9		689	4092 T-3	1997 02 12.45488	12 58 15.37	-07 26 34.1	689
1995 TS	1997 02 26.32198	10 41 32.66	+08 36 15.9		689	4190 T-3	1997 02 12.23036	07 34 05.03	+34 36 49.0	689
1995 UP ₄	1997 03 09.39163	13 05 41.08	+04 15 11.2	16.8 V	689	4190 T-3	1997 03 10.15838	07 32 48.53	+33 28 46.5	16.6 V 689
1995 UF ₄₅	1997 03 09.24217	09 29 52.22	+18 18 29.2	16.9 V	689	(1)	1996 05 31.305747	16 29 43.351	-18 25 11.91	689
1995 UF ₄₅	1997 03 10.23905	09 29 18.68	+18 20 34.2	16.7 V	689	(1)	1996 06 01.302351	16 28 45.724	-18 26 47.54	689
1995 YP	1997 03 10.40091	13 23 00.13	-03 48 55.5	16.5 V	689	(1)	1996 06 03.295566	16 26 50.987	-18 30 00.95	689
1995 YC ₃	1997 03 09.44177	14 18 05.19	-09 32 21.5	17.0 V	689	(2)	1996 04 28.313447	14 30 42.150	+23 07 58.74	689
1995 YC ₃	1997 03 10.43889	14 17 52.19	-09 30 07.3	16.9 V	689	(2)	1996 04 29.310160	14 29 53.725	+23 17 50.82	689
1995 YY ₇	1997 03 09.36387	12 25 36.24	-07 51 24.9	16.3 V	689	(2)	1996 04 30.306873	14 29 05.507	+23 27 19.17	689
1995 YY ₇	1997 03 10.36061	12 24 50.18	-07 46 21.2	15.8 V	689	(2)	1996 05 01.303587	14 28 17.468	+23 36 23.43	689
1996 VF ₂	1997 01 28.10905	03 39 46.71	+15 21 44.3		689	(2)	1996 05 04.293756	14 25 55.379	+24 01 11.93	689
1996 WZ	1997 02 11.12416	04 56 48.34	+31 04 15.5		689	(3)	1996 09 18.364417	01 08 05.075	-00 03 50.88	689
1996 XR ₁	1997 01 10.29294	06 54 20.02	+24 37 53.1		689	(3)	1996 09 19.361397	01 07 39.991	-00 16 42.09	689
1996 XD ₁₉	1997 03 09.10586	06 13 00.30	+18 10 10.2	16.7 V	689	(3)	1996 09 20.358363	01 07 13.656	-00 29 41.55	689
1996 XX ₃₀	1997 02 11.21230	07 04 02.76	+17 25 01.7		689	(3)	1996 09 21.355315	01 06 46.084	-00 42 48.14	689
1996 XX ₃₀	1997 02 12.20937	07 03 45.91	+17 26 17.9		689	(3)	1996 09 22.352252	01 06 17.368	-00 56 00.61	689
1997 AT ₁	1997 03 09.13176	06 50 26.08	+21 56 25.2	16.4 V	689	(3)	1996 09 23.349178	01 05 47.530	-01 09 18.68	689
1997 AT ₁	1997 03 10.12924	06 50 44.37	+21 52 53.1	16.4 V	689	(3)	1996 09 24.346090	01 05 16.616	-01 22 41.87	689
1997 AY ₁	1997 03 09.16466	07 37 56.48	+29 04 56.9	17.0 V	689	(3)	1996 09 25.342992	01 04 44.675	-01 36 09.33	689
1997 AY ₁	1997 03 10.16202	07 38 04.31	+29 02 26.2	17.0 V	689	(3)	1996 09 28.333631	01 03 03.274	-02 16 48.51	689
1997 EE ₄₆	* 1997 03 15.25957	10 25 17.42	+00 42 01.5		689	(3)	1996 10 01.324186	01 01 14.713	-02 57 34.53	689
1997 EE ₄₆	1997 03 15.29083	10 25 15.99	+00 42 18.2		689	(3)	1996 10 04.314681	00 59 20.708	-03 38 04.50	689
1997 EE ₄₆	1997 03 15.31568	10 25 14.68	+00 42 32.5		689	(3)	1996 10 07.305131	00 57 23.061	-04 17 55.57	689
1997 EE ₄₆	1997 03 15.32264	10 25 14.44	+00 42 35.3		689	(3)	1996 10 09.298755	00 56 03.752	-04 43 54.39	689
1997 EE ₄₆	1997 03 15.35315	10 25 12.82	+00 42 53.6		689	(3)	1996 10 10.295566	00 55 23.974	-04 56 41.07	689
1997 EE ₄₆	1997 03 15.36010	10 25 12.56	+00 42 56.8		689	(3)	1996 10 11.292377	00 54 44.315	-05 09 17.87	689
1997 EE ₄₆	1997 03 15.37396	10 25 11.85	+00 43 05.1	18.4 R	689	(3)	1996 11 05.215428	00 42 11.464	-08 59 13.16	689
1997 EE ₄₆	1997 03 16.26898	10 24 30.45	+00 51 29.7	18.2 R	689	(3)	1996 11 06.212539	00 41 57.748	-09 04 11.22	689
1997 EE ₄₆	1997 03 16.27156	10 24 30.28	+00 51 31.5		689	(3)	1996 11 08.206818	00 41 35.268	-09 13 03.48	689
1997 EE ₄₆	1997 03 16.27503	10 24 30.15	+00 51 33.0		689	(3)	1996 11 10.201177	00 41 19.649	-09 20 30.24	689
1997 EE ₄₆	1997 03 16.27897	10 24 29.97	+00 51 35.3	18.3 R	689	(3)	1996 11 17.182079	00 41 20.962	-09 35 38.10	689
1997 EE ₄₆	1997 03 16.32941	10 24 27.54	+00 52 03.7	18.3 R	689	(3)	1996 11 18.179434	00 41 28.394	-09 36 27.62	689
1997 EE ₄₆	1997 03 16.33545	10 24 27.25	+00 52 07.2	18.2 R	689	(3)	1996 11 19.176810	00 41 37.680	-09 36 56.58	689
1997 EE ₄₆	1997 03 17.26215	10 23 45.32	+01 00 48.8		689	(3)	1996 11 20.174208	00 41 48.749	-09 37 06.45	689
1997 EE ₄₆	1997 03 17.26914	10 23 44.97	+01 00 53.0		689	(3)	1996 11 21.171626	00 42 01.618	-09 36 57.94	689
1997 EE ₄₆	1997 03 17.28513	10 23 44.27	+01 01 02.0		689	(3)	1996 11 24.164006	00 42 51.086	-09 34 38.37	689
1997 EE ₄₆	1997 03 17.33941	10 23 41.70	+01 01 31.8		689	(3)	1996 11 25.161506	00 43 11.095	-09 33 16.75	689
1997 EE ₄₆	1997 03 17.34414	10 23 41.52	+01 01 34.4		689	(3)	1996 11 28.154130	00 44 21.706	-09 27 25.85	689
1997 FL	* 1997 03 16.37300	13 13 18.43	+02 30 45.5		689	(4)	1996 04 22.371619	15 31 05.789	-07 28 19.19	689
1997 FL	1997 03 16.38689	13 13 18.01	+02 30 51.9		689	(4)	1996 04 23.368388	15 30 20.975	-07 25 14.62	689
1997 FL	1997 03 16.43044	13 13 16.52	+02 31 14.8	18.6 R	689	(4)	1996 04 24.365124	15 29 34.834	-07 22 12.48	689
1997 FL	1997 03 16.43530	13 13 16.32	+02 31 17.5	18.4 R	689	(4)	1996 04 25.361846	15 28 47.361	-07 19 13.74	689
1997 FL	1997 03 17.35360	13 12 46.21	+02 39 19.0		689	(4)	1996 04 26.358553	15 27 58.627	-07 16 18.84	689
1997 FL	1997 03 17.35851	13 12 46.05	+02 39 21.3		689	(4)	1996 04 27.355248	15 27 08.765	-07 13 27.87	689
1997 FL	1997 03 17.36392	13 12 45.82	+02 39 24.4		689	(4)	1996 04 29.348598	15 25 25.680	-07 07 58.49	689
9508 P-L	1997 02 12.31969	09 43 03.16	+16 29 16.6		689	(4)	1996 06 26.163706	14 47 07.298	-08 38 30.86	689
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1251 T-1	1997 02 12.30730	09 25 09.14	+22 27 00.6		689	(6)	1995 11 15.240528	01 54 54.354	-16 33 35.38	689

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(1971)	1996 09 20.194012	21 09 55.675	-10 08 50.71	689	(2190)	1996 08 11.269737	20 21 34.981	-18 25 22.88	689
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(2248)	1996 12 13.181878	02 23 34.105	+14 53 22.14		689	(2479)	1996 10 23.352828	03 09 20.817	+23 08 39.04	689
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(2296)	1996 11 09.366517	04 36 08.622	+22 41 42.55		689	(2536)	1995 08 10.309804	21 12 32.860	-08 48 51.92	689
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(2296)	1996 11 20.330534	04 27 32.928	+22 28 30.16		689	(2536)	1995 09 19.183912	20 48 29.150	-09 40 36.67	689
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(3019)	1996 09 21.320234	00 16 06.841	-03 34 38.54	689	(3335)	1996 04 11.241006	11 39 07.109	-20 49 30.75	689
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(3019)	1996 09 23.313696	00 14 33.458	-03 45 28.39	689	(3385)	1997 01 10.24709	05 48 07.03	+12 13 04.4	689
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(3019)	1996 10 05.274499	00 05 16.165	-04 45 41.54	689	(3385)	1997 02 12.14839	05 35 42.15	+13 46 43.3	689
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(3019)	1996 10 09.261563	00 02 21.636	-05 02 51.85	689	(3455)	1995 08 18.315797	21 52 44.289	-10 18 31.31	689
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(3519)	1995 11 17.321039	03 59 04.746	+20 41 46.48	689	(4141)	1997 03 10.26996	10 13 56.52	+07 34 59.1	15.2 V 689
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(3519)	1995 11 21.306785	03 54 17.056	+20 28 51.09	689	(4194)	1995 08 18.295787	21 23 50.948	-12 05 23.58	689
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(3858)	1997 01 09.15621	03 32 57.72	+30 57 44.6	689	(4297)	1996 10 11.274494	00 28 55.039	-07 59 46.87	689
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(6665)	1997 01 10.10887	02 28 32.62	+04 26 25.7	689					

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Measurers J. V. Scotti, J. Larsen

0.91-m Spacewatch telescope + CCD

GSC

1972 RX ₁	1997 04 07.21573	12 13 18.06	-00 16 02.1	17.9 V	691	1982 FX ₂	1997 04 07.31782	12 04 24.16	+00 15 52.5	17.6 V	691
1972 RX ₁	1997 04 07.23699	12 13 17.03	-00 15 53.4	18.0 V	691	1982 FX ₂	1997 04 16.28585	11 58 25.90	+00 47 41.0	17.9 V	691
1972 RX ₁	1997 04 07.25790	12 13 15.94	-00 15 45.3	18.0 V	691	1982 FX ₂	1997 04 16.30750	11 58 25.12	+00 47 44.6	18.1 V	691
1973 SQ ₃	1997 04 14.19931	12 08 37.38	-00 47 18.3	17.8 V	691	1982 FX ₂	1997 04 16.32996	11 58 24.27	+00 47 48.7	18.1 V	691
1973 SQ ₃	1997 04 14.22193	12 08 36.34	-00 47 08.7	17.7 V	691	1983 CQ ₂	1991 10 05.24325	00 17 50.98	+01 58 47.1	18.0 V	691
1973 SQ ₃	1997 04 14.24363	12 08 35.33	-00 46 59.7	17.8 V	691	1983 CQ ₂	1991 10 05.27186	00 17 49.73	+01 58 38.8		691
1976 QL ₂	1997 04 14.32819	14 11 56.27	-12 17 36.9	17.5 V	691	1983 CQ ₂	1991 10 05.29239	00 17 48.79	+01 58 30.7		691
1976 QL ₂	1997 04 14.34995	14 11 55.22	-12 17 34.9	17.6 V	691	1985 RV ₂	1994 01 11.29466	09 12 39.22	+13 45 58.7	19.1 V	691
1976 QL ₂	1997 04 14.37274	14 11 54.10	-12 17 32.4	17.6 V	691	1985 RV ₂	1994 01 11.36051	09 12 35.73	+13 46 19.1		691
1979 MO ₄	1997 04 09.31240	12 08 51.97	+00 46 27.3	18.9 V	691	1985 VE	1997 04 10.12038	07 14 07.77	+19 45 24.6	18.0 V	691
1979 MO ₄	1997 04 09.33435	12 08 51.03	+00 46 34.0	18.9 V	691	1985 VE	1997 04 10.13117	07 14 08.70	+19 45 23.2	17.6 V	691
1979 MO ₄	1997 04 09.35612	12 08 50.06	+00 46 40.5	18.6 V	691	1985 VE	1997 04 10.13764	07 14 09.23	+19 45 24.4	17.9 V	691
1979 QM ₁	1994 11 01.09160	00 46 18.92	+04 42 08.3	17.4 V	691	1986 TG ₃	1995 07 02.39118	21 48 21.09	-11 00 14.3	18.4 V	691
1979 QM ₁	1994 11 01.11306	00 46 18.15	+04 42 03.4		691	1986 TG ₃	1995 07 02.41741	21 48 20.72	-11 00 15.9		691
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1979 QM ₁	1997 04 02.19044	12 06 50.83	-00 57 34.8	18.1 V	691	1987 SJ ₁	1997 04 14.32117	14 01 48.13	-12 05 27.9	18.5 V	691
1979 QM ₁	1997 04 02.21715	12 06 49.65	-00 57 26.7	18.0 V	691	1987 SJ ₁	1997 04 14.34293	14 01 46.88	-12 05 20.5	19.0 V	691
1979 QM ₁	1997 04 08.33183	12 02 21.77	-00 26 40.1	18.5 V	691	1987 SJ ₁	1997 04 14.36572	14 01 45.58	-12 05 13.0	19.2 V	691
1979 QM ₁	1997 04 08.35473	12 02 20.75	-00 26 34.1	18.4 V	691	1988 RO ₄	1997 04 06.47069	16 00 11.69	-07 04 08.3	18.6 V	691
1979 QM ₁	1997 04 08.37971	12 02 19.68	-00 26 26.4	18.8 V	691	1988 RO ₄	1997 04 06.48324	16 00 11.47	-07 04 04.5	18.5 V	691
1979 QM ₁	1997 04 16.19248	11 57 14.36	+00 08 59.1	18.6 V	691	1988 RO ₄	1997 04 06.49583	16 00 11.21	-07 04 00.6	18.6 V	691
1979 QM ₁	1997 04 16.21425	11 57 13.54	+00 09 04.5	18.7 V	691	1988 RO ₄	1997 04 08.45266	15 59 35.72	-06 54 13.3	19.1 V	691
1979 QM ₁	1997 04 16.23657	11 57 12.72	+00 09 10.3	18.7 V	691	1988 RO ₄	1997 04 08.47028	15 59 35.36	-06 54 07.9	19.1 V	691
1980 FW ₂	1997 03 11.42431	12 23 54.55	-02 40 56.2	18.0 V	691	1988 RO ₄	1997 04 08.48792	15 59 35.00	-06 54 02.7	19.1 V	691
1980 FW ₂	1997 03 11.47274	12 23 52.52	-02 40 43.7	18.4 V	691	1988 VT ₂	1995 10 22.12735	20 33 47.45	-17 00 26.3	19.2 V	691
1980 FW ₂	1997 03 11.49397	12 23 51.65	-02 40 38.2	18.3 V	691	1988 VT ₂	1995 10 22.13416	20 33 47.91	-17 00 25.1		691
1980 FW ₂	1997 03 15.40280	12 21 09.98	-02 23 38.1	18.3 V	691	1988 VT ₂	1995 10 22.14014	20 33 48.26	-17 00 23.8		691
1980 FW ₂	1997 03 15.42665	12 21 08.95	-02 23 31.8	18.0 V	691	1989 UW ₂	1992 05 07.16046	13 13 11.16	-07 05 39.4	17.2 V	691
1980 FW ₂	1997 03 15.44789	12 21 08.01	-02 23 26.1	17.9 V	691	1989 UW ₂	1992 05 07.18471	13 13 10.43	-07 05 30.9		691
1980 FW ₂	1997 04 09.26320	12 03 04.50	-00 28 32.2	18.2 V	691	1989 UW ₂	1992 05 07.20897	13 13 09.69	-07 05 22.1		691
1980 FW ₂	1997 04 09.27292	12 03 04.10	-00 28 29.2	18.0 V	691	1990 EU ₄	1997 04 09.19168	10 28 01.03	+07 36 05.9	18.4 V	691
1980 FW ₂	1997 04 09.28638	12 03 03.56	-00 28 25.9	18.0 V	691	1990 EU ₄	1997 04 09.21563	10 28 00.68	+07 36 05.4	18.6 V	691
1981 DG ₂	1997 04 11.24857	12 00 06.62	-08 17 17.8	18.6 V	691	1990 EU ₄	1997 04 09.23667	10 28 00.40	+07 36 04.8	18.7 V	691
1981 DG ₂	1997 04 11.27013	12 00 05.81	-08 17 08.6	18.6 V	691	1990 OH ₂	1994 03 04.22529	10 01 56.73	+14 11 12.0	17.5 V	691
1981 DG ₂	1997 04 11.29169	12 00 04.97	-08 17 00.3	18.7 V	691	1990 OH ₂	1994 03 04.23344	10 01 56.34	+14 11 13.5		691
1981 EO ₁₉	1996 01 24.30857	09 16 06.47	+05 36 44.2		691	1990 OH ₂	1994 03 04.24166	10 01 55.94	+14 11 15.1		691
1981 EO ₁₉	1996 01 24.32947	09 16 05.51	+05 36 49.8	18.5 V	691	1990 RR ₃	1993 03 19.28801	11 59 03.79	+03 07 56.2		691
1981 EO ₁₉	1996 01 24.35039	09 16 04.54	+05 36 55.2		691	1990 RR ₃	1993 03 19.31991	11 59 01.96	+03 08 06.0	17.1 V	691
1981 EB ₄₃	1993 03 25.24145	12 02 11.13	+00 12 42.7	18.8 V	691	1990 RR ₃	1993 03 19.35169	11 59 00.15	+03 08 15.7		691
1981 EB ₄₃	1993 03 25.27312	12 02 09.36	+00 12 52.1		691	1991 FL ₄	1997 04 06.47205	16 02 09.32	-07 00 38.1	17.0 V	691
1981 EB ₄₃	1993 03 25.30500	12 02 07.56	+00 13 01.2		691	1991 FL ₄	1997 04 06.48460	16 02 09.24	-07 00 32.1	17.0 V	691
1981 ER ₄₇	1997 04 09.31410	12 11 19.53	+00 40 24.7	19.0 V	691	1991 FL ₄	1997 04 06.49719	16 02 09.14	-07 00 26.3	17.0 V	691
1981 ER ₄₇	1997 04 09.33605	12 11 18.44	+00 40 30.3	18.9 V	691	1991 FL ₄	1997 04 08.45429	16 01 56.65	-06 45 24.8	16.9 V	691
1981 ER ₄₇	1997 04 09.35782	12 11 17.34	+00 40 36.1	19.0 V	691	1991 FL ₄	1997 04 08.47191	16 01 56.48	-06 45 16.6	16.9 V	691
1981 ER ₄₇	1997 04 13.24075	12 08 15.12	+00 56 47.1	18.8 V	691	1991 FL ₄	1997 04 08.48956	16 01 56.31	-06 45 08.4	16.9 V	691
1981 ER ₄₇	1997 04 13.26220	12 08 14.13	+00 56 51.9	19.0 V	691	1991 RG ₄	1991 10 09.28442	00 36 17.85	+07 17 33.0		691
1981 ER ₄₇	1997 04 13.28380	12 08 13.11	+00 56 57.4	19.2 V	691	1991 RG ₄	1991 10 09.30498	00 36 16.79	+07 17 26.1	18.1 V	691
1981 US ₂₂	1997 04 15.35859	12 00 21.55	+10 10 57.4	18.6 V	691	1991 RG ₄	1991 10 09.32540	00 36 15.74	+07 17 19.4		691
1981 US ₂₂	1997 04 15.36688	12 00 21.17	+10 10 58.5	18.7 V	691	1991 RY ₂₁	1993 01 01.25190	05 02 16.95	+21 17 30.2		691
1981 US ₂₂	1997 04 15.37531	12 00 20.78	+10 10 59.3	18.7 V	691	1991 RY ₂₁	1993 01 01.26021	05 02 16.49	+21 17 30.2	18.0 V	691
1982 FX ₂	1997 04 07.27342	12 04 26.15	+00 15 41.9	17.6 V	691	1991 RY ₂₁	1993 01 01.26858	05 02 16.03	+21 17 30.2		691
1982 FX ₂	1997 04 07.29528	12 04 25.18	+00 15 47.1	17.5 V	691	1991 RT ₄₁	* 1991 09 08.19762	23 18 10.61	-06 34 21.4	18.0 V	691

1991 RT ₄₁	1991 09 08.21863	23 18 09.35	-06 34 28.9	691	1993 JP ₁	1993 05 13.32087	14 04 17.27	-14 12 07.2	691
1991 RT ₄₁	1991 09 08.23950	23 18 08.11	-06 34 37.2	691	1993 OB ₁₃	1997 04 07.27245	12 03 02.45	+00 21 14.3	18.1 V 691
1991 TQ ₁₄	* 1991 10 07.37189	01 28 28.69	+03 08 08.2	19.5 V 691	1993 OB ₁₃	1997 04 07.29431	12 03 01.51	+00 21 21.2	18.1 V 691
1991 TQ ₁₄	1991 10 07.39257	01 28 27.57	+03 07 58.5	691	1993 OB ₁₃	1997 04 07.31685	12 03 00.53	+00 21 28.2	18.1 V 691
1991 TQ ₁₄	1991 10 07.41291	01 28 26.48	+03 07 49.1	691	1993 OB ₁₃	1997 04 09.30740	12 01 38.59	+00 31 33.2	18.4 V 691
1991 VD ₁₇	* 1991 11 03.22757	02 08 28.67	+11 32 39.1	691	1993 OB ₁₃	1997 04 09.32935	12 01 37.66	+00 31 39.7	18.3 V 691
1991 VD ₁₇	1991 11 03.26138	02 08 26.75	+11 32 31.0	691	1993 OB ₁₃	1997 04 09.35112	12 01 36.83	+00 31 46.4	18.3 V 691
1991 VD ₁₇	1991 11 03.28213	02 08 25.55	+11 32 25.8	18.1 V 691	1994 JR ₉	* 1994 05 15.26893	15 12 52.63	-13 50 47.3	691
1992 DC ₃	1993 06 20.20060	14 49 15.09	-12 56 19.1	18.8 V 691	1994 JR ₉	1994 05 15.33505	15 12 48.24	-13 50 38.2	17.8 V 691
1992 DC ₃	1993 06 20.22397	14 49 14.66	-12 56 18.0	691	1994 JR ₉	1994 05 15.40138	15 12 43.90	-13 50 29.3	691
1992 DC ₃	1993 06 20.24603	14 49 14.20	-12 56 17.0	691	1994 NJ ₁	1997 04 08.22836	11 53 01.32	-00 51 38.6	18.6 V 691
1992 DK ₁₃	* 1992 02 23.21475	09 54 03.69	+20 26 49.6	691	1994 NJ ₁	1997 04 08.24941	11 53 00.22	-00 51 30.9	18.6 V 691
1992 DK ₁₃	1992 02 23.24650	09 54 01.86	+20 27 01.6	691	1994 NJ ₁	1997 04 08.27045	11 52 59.10	-00 51 23.0	18.4 V 691
1992 DK ₁₃	1992 02 23.27211	09 54 00.39	+20 27 10.6	17.3 V 691	1994 PJ ₂₀	1997 04 07.14646	10 37 37.93	+07 10 17.7	18.6 V 691
1992 HK ₁	1997 04 14.32440	14 06 28.10	-12 07 37.2	17.6 V 691	1994 PJ ₂₀	1997 04 07.16928	10 37 37.36	+07 10 21.1	19.0 V 691
1992 HK ₁	1997 04 14.34616	14 06 27.02	-12 07 32.7	17.7 V 691	1994 PJ ₂₀	1997 04 07.19112	10 37 36.83	+07 10 25.1	18.8 V 691
1992 HK ₁	1997 04 14.36895	14 06 25.90	-12 07 28.2	17.6 V 691	1994 PJ ₂₀	1997 04 13.17537	10 35 40.92	+07 24 02.7	18.9 V 691
1992 JA ₅	* 1992 05 02.30389	14 23 47.24	-09 18 28.7	691	1994 PJ ₂₀	1997 04 13.19691	10 35 40.55	+07 24 05.2	18.6 V 691
1992 JA ₅	1992 05 02.32846	14 23 46.47	-09 18 25.9	19.7 V 691	1994 PJ ₂₀	1997 04 13.21870	10 35 40.17	+07 24 07.8	18.8 V 691
1992 JA ₅	1992 05 02.35542	14 23 45.64	-09 18 22.4	691	1994 PP ₂₆	1997 04 15.20077	12 10 37.97	-00 04 45.5	17.3 V 691
1992 UY ₂	1994 04 16.18103	13 01 16.94	-07 18 00.7	17.9 V 691	1994 PP ₂₆	1997 04 15.22266	12 10 36.90	-00 04 42.2	17.2 V 691
1992 UY ₂	1994 04 16.20509	13 01 15.59	-07 17 48.9	691	1994 PP ₂₆	1997 04 15.24423	12 10 35.85	-00 04 38.0	17.2 V 691
1992 UY ₂	1994 04 16.22969	13 01 14.27	-07 17 37.4	691	1994 PR ₂₇	1997 04 13.23250	11 56 19.94	+00 44 18.7	17.3 V 691
1992 UY ₂	1994 04 16.38435	13 01 05.83	-07 16 23.5	691	1994 PR ₂₇	1997 04 13.25394	11 56 19.02	+00 44 21.9	17.2 V 691
1992 UY ₂	1994 04 16.39206	13 01 05.44	-07 16 19.8	18.0 V 691	1994 PR ₂₇	1997 04 13.27555	11 56 18.09	+00 44 24.6	17.4 V 691
1992 UY ₂	1994 04 16.39998	13 01 05.02	-07 16 16.2	691	1994 PR ₂₇	1997 04 16.28303	11 54 21.55	+00 50 59.0	17.8 V 691
1992 WG ₃	1994 05 02.32971	14 38 48.26	-14 50 39.9	17.9 V 691	1994 PR ₂₇	1997 04 16.30467	11 54 20.72	+00 51 01.6	17.7 V 691
1992 WG ₃	1994 05 02.35438	14 38 46.78	-14 50 32.6	691	1994 PR ₂₇	1997 04 16.32714	11 54 19.86	+00 51 04.3	17.5 V 691
1992 WG ₃	1994 05 02.37847	14 38 45.30	-14 50 25.5	691	1994 PD ₃₄	1997 03 11.41829	12 15 13.10	-02 49 17.8	19.9 V 691
1992 YR ₅	* 1992 12 24.41849	08 29 13.53	+17 15 27.4	691	1994 PD ₃₄	1997 03 11.46672	12 15 10.55	-02 49 01.7	20.0 V 691
1992 YR ₅	1992 12 24.44460	08 29 12.44	+17 15 34.2	18.1 V 691	1994 PD ₃₄	1997 03 11.48794	12 15 09.49	-02 48 54.5	19.9 V 691
1992 YR ₅	1992 12 24.47157	08 29 11.37	+17 15 40.3	691	1994 PD ₃₄	1997 04 08.32438	11 51 35.84	-00 01 29.0	20.0 V 691
1993 FN	1997 04 07.26800	11 56 36.98	+00 01 37.5	17.4 V 691	1994 PD ₃₄	1997 04 08.34727	11 51 34.79	-00 01 21.8	20.2 V 691
1993 FN	1997 04 07.28986	11 56 35.75	+00 01 36.4	17.9 V 691	1994 PD ₃₄	1997 04 08.37226	11 51 33.61	-00 01 13.0	20.2 V 691
1993 FN	1997 04 07.31240	11 56 34.45	+00 01 35.0	17.7 V 691	1994 PD ₃₄	1997 04 12.21697	11 48 46.87	+00 19 27.0	20.3 V 691
1993 FN	1997 04 15.18666	11 50 16.18	-00 09 04.8	18.2 V 691	1994 PD ₃₄	1997 04 12.24046	11 48 45.85	+00 19 34.3	20.3 V 691
1993 FN	1997 04 15.20856	11 50 15.22	-00 09 06.5	17.6 V 691	1994 PD ₃₄	1997 04 12.26163	11 48 44.94	+00 19 41.0	20.2 V 691
1993 FN	1997 04 15.23012	11 50 14.27	-00 09 09.2	17.9 V 691	1994 RC ₁	1997 04 14.18893	11 53 38.45	-01 01 11.1	18.5 V 691
1993 FZ ₂₁	1997 04 09.29924	11 49 51.57	+00 35 25.2	18.3 V 691	1994 RC ₁	1997 04 14.21155	11 53 37.70	-01 01 04.6	18.4 V 691
1993 FZ ₂₁	1997 04 09.32118	11 49 50.60	+00 35 29.6	18.2 V 691	1994 RC ₁	1997 04 14.23326	11 53 36.99	-01 00 57.6	18.4 V 691
1993 FZ ₂₁	1997 04 09.34296	11 49 49.60	+00 35 33.2	18.3 V 691	1994 SZ ₉	1997 04 13.26074	12 06 07.96	+00 52 00.9	20.9 V 691
1993 FZ ₂₁	1997 04 13.22650	11 47 14.98	+00 46 22.9	18.4 V 691	1994 SZ ₉	1997 04 13.28235	12 06 06.99	+00 52 05.8	21.1 V 691
1993 FZ ₂₁	1997 04 13.24795	11 47 14.18	+00 46 26.5	18.5 V 691	1994 UO	1994 12 02.19900	03 38 01.41	+15 01 45.6	17.1 V 691
1993 FZ ₂₁	1997 04 13.26959	11 47 13.32	+00 46 29.5	18.3 V 691	1994 UO	1994 12 02.23671	03 37 59.49	+15 01 41.0	691
1993 FE ₅₉	1997 04 07.26377	11 50 29.91	+00 21 54.6	18.7 V 691	1994 UO	1994 12 02.27369	03 37 57.60	+15 01 36.2	691
1993 FE ₅₉	1997 04 07.28562	11 50 28.79	+00 21 58.7	18.9 V 691	1994 UD ₁	1997 04 07.27974	12 13 34.03	+00 31 49.4	19.7 V 691
1993 FE ₅₉	1997 04 07.30816	11 50 27.69	+00 22 02.7	18.7 V 691	1994 UD ₁	1997 04 07.32415	12 13 32.30	+00 31 59.9	19.7 V 691
1993 HG ₈	1993 04 24.27034	12 51 35.35	+00 24 13.5	18.0 V 691	1994 UD ₁	1997 04 09.31476	12 12 16.53	+00 39 21.7	19.9 V 691
1993 HG ₈	1993 04 24.29893	12 51 34.09	+00 24 18.5	691	1994 UD ₁	1997 04 09.33671	12 12 15.68	+00 39 26.4	20.1 V 691
1993 HG ₈	1993 04 24.32705	12 51 32.87	+00 24 24.2	691	1994 UD ₁	1997 04 09.35849	12 12 14.86	+00 39 30.9	20.1 V 691
1993 JP ₁	* 1993 05 13.25352	14 04 20.28	-14 12 22.9	18.5 V 691	1994 UD ₁	1997 04 13.24188	12 09 52.72	+00 53 11.3	19.7 V 691
1993 JP ₁	1993 05 13.29324	14 04 18.51	-14 12 13.7	691	1994 UD ₁	1997 04 13.26333	12 09 51.97	+00 53 15.8	19.7 V 691

1994 UD ₁	1997 04 13.28494	12 09 51.15	+00 53 20.4	20.2 V	691	1995 WH ₄₃	1995 11 30.35047	03 49 57.68	+13 46 34.3		691
1994 VE ₁	1995 02 03.10041	03 24 03.09	+15 39 21.8		691	1995 WH ₄₃	1995 12 14.25602	03 38 07.53	+13 51 32.2	17.7 V	691
1994 VE ₁	1995 02 03.12286	03 24 04.31	+15 39 27.6	18.1 V	691	1995 WH ₄₃	1995 12 14.27750	03 38 06.58	+13 51 33.4		691
1994 VE ₁	1995 02 03.14526	03 24 05.52	+15 39 33.7		691	1995 WH ₄₃	1995 12 14.29993	03 38 05.57	+13 51 34.8		691
1994 VB ₇	1995 01 07.08192	03 17 01.33	+15 50 06.9	17.8 V	691	1995 YB ₂	1997 04 09.19489	10 32 38.97	+07 35 22.6	18.7 V	691
1994 VB ₇	1995 01 07.10657	03 17 01.85	+15 50 09.1		691	1995 YB ₂	1997 04 09.21884	10 32 38.53	+07 35 24.8	18.6 V	691
1994 VB ₇	1995 01 07.13103	03 17 02.36	+15 50 10.2		691	1995 YB ₂	1997 04 09.23988	10 32 38.14	+07 35 26.6	18.5 V	691
1994 XQ ₁	1994 11 28.11554	02 11 56.00	+13 15 20.4		691	1996 FL ₂₃	* 1996 03 26.27758	12 51 38.53	-00 14 13.8	17.3 V	691
1994 XQ ₁	1994 11 28.13916	02 11 55.19	+13 15 16.3	18.7 V	691	1996 FL ₂₃	1996 03 26.29857	12 51 37.42	-00 14 07.0		691
1995 EO	1996 06 23.39683	21 28 53.79	-10 19 19.5	19.0 V	691	1996 FL ₂₃	1996 03 26.31945	12 51 36.30	-00 14 00.7		691
1995 EO	1996 06 23.42451	21 28 53.40	-10 19 18.0		691	1996 RG ₃	1997 04 12.31863	14 02 12.26	-04 33 21.2	18.8 V	691
1995 EO	1996 06 23.45388	21 28 52.96	-10 19 16.2		691	1996 RG ₃	1997 04 12.32401	14 02 11.55	-04 33 17.5	18.8 V	691
1995 KU ₅	* 1995 05 29.16791	14 10 27.61	-11 49 31.9		691	1996 RG ₃	1997 04 12.33835	14 02 09.66	-04 33 07.7	18.7 V	691
1995 KU ₅	1995 05 29.18405	14 10 27.15	-11 49 28.3		691	1996 RW ₂₈	1996 09 19.24714	23 42 55.61	-01 23 44.3	18.2 V	691
1995 KU ₅	1995 05 29.20019	14 10 26.52	-11 49 25.3	19.4 V	691	1996 RW ₂₈	1996 09 19.26965	23 42 54.99	-01 23 52.5		691
1995 TF ₈	* 1995 10 01.37756	00 47 48.62	+02 00 26.5	16.8 V	691	1996 RW ₂₈	1996 09 19.29569	23 42 54.27	-01 24 02.4		691
1995 TF ₈	1995 10 01.39828	00 47 47.35	+02 00 20.9		691	1996 RF ₂₉	1996 09 08.39604	23 59 19.57	-00 50 33.8	19.4 V	691
1995 TF ₈	1995 10 01.41901	00 47 46.09	+02 00 15.3		691	1996 RF ₂₉	1996 09 08.41718	23 59 19.02	-00 50 38.6		691
1995 UK ₁	1997 04 14.31855	13 58 00.94	-12 01 11.1	18.1 V	691	1996 RF ₂₉	1996 09 08.45131	23 59 18.13	-00 50 46.9		691
1995 UK ₁	1997 04 14.34030	13 57 59.54	-12 01 04.2	18.1 V	691	1996 RZ ₃₀	1996 09 06.26481	23 12 57.15	-03 13 11.2		691
1995 UK ₁	1997 04 14.36309	13 57 58.10	-12 00 57.4	18.2 V	691	1996 RZ ₃₀	1996 09 06.28581	23 12 56.53	-03 13 15.9	19.3 V	691
1995 UX ₂	1992 03 26.39108	12 59 05.52	+00 27 19.9	18.8 V	691	1996 RZ ₃₀	1996 09 06.30684	23 12 55.92	-03 13 20.4		691
1995 UX ₂	1992 03 26.41256	12 59 04.38	+00 27 21.7		691	1996 TS ₄₉	1996 09 17.39277	00 17 05.96	+06 05 42.0	17.9 V	691
1995 UX ₂	1992 03 26.43266	12 59 03.29	+00 27 24.3		691	1996 TS ₄₉	1996 09 17.41455	00 17 05.31	+06 05 37.4		691
1995 UP ₈	1997 02 10.40960	10 43 59.73	+10 24 22.1	17.6 V	691	1996 TS ₄₉	1996 09 17.44067	00 17 04.55	+06 05 32.2		691
1995 UP ₈	1997 02 10.43180	10 43 58.45	+10 24 28.7	17.6 V	691	1996 XB ₃₇	* 1996 12 13.24388	03 44 22.97	+19 14 15.4	15.9 V	691
1995 UP ₈	1997 02 10.45359	10 43 57.23	+10 24 34.4	17.7 V	691	1996 XB ₃₇	1996 12 13.27350	03 44 21.29	+19 14 27.2	15.8 V	691
1995 UK ₄₄	1997 03 16.16310	10 04 31.64	+02 24 11.0	18.4 V	691	1996 XB ₃₇	1996 12 13.29599	03 44 20.09	+19 14 36.0	15.8 V	691
1995 UK ₄₄	1997 03 16.18724	10 04 30.52	+02 24 19.7	18.3 V	691	1997 AX ₆	1997 02 15.12375	08 37 32.72	+15 41 07.1	18.7 V	691
1995 UK ₄₄	1997 03 16.20845	10 04 29.55	+02 24 26.6	18.3 V	691	1997 AX ₆	1997 02 15.14592	08 37 31.78	+15 41 16.7	18.7 V	691
1995 UY ₄₉	* 1995 10 19.46090	03 44 33.05	+15 12 57.9		691	1997 AX ₆	1997 02 15.17220	08 37 30.65	+15 41 27.7	18.7 V	691
1995 UY ₄₉	1995 10 19.48261	03 44 32.37	+15 12 55.6	18.0 V	691	1997 AE ₇	1997 03 09.13528	08 28 37.88	+15 38 22.0	18.1 V	691
1995 UY ₄₉	1995 10 19.50406	03 44 31.77	+15 12 53.2		691	1997 AE ₇	1997 03 09.15687	08 28 37.64	+15 38 27.6	18.0 V	691
1995 UY ₄₉	1995 10 25.40211	03 41 21.94	+15 01 48.4	18.0 V	691	1997 AE ₇	1997 03 09.19204	08 28 37.21	+15 38 36.1	17.9 V	691
1995 UY ₄₉	1995 10 25.42991	03 41 20.89	+15 01 44.4		691	1997 AF ₇	1996 11 05.49105	09 00 27.92	+14 16 30.4	19.9 V	691
1995 UY ₄₉	1995 10 25.45317	03 41 20.02	+15 01 41.8		691	1997 AF ₇	1996 11 05.50616	09 00 29.17	+14 16 25.1	19.9 V	691
1995 UZ ₄₉	* 1995 10 20.44854	03 29 57.83	+14 58 03.0	17.5 V	691	1997 AF ₇	1996 11 05.52134	09 00 30.42	+14 16 20.2	19.7 V	691
1995 UZ ₄₉	1995 10 20.47210	03 29 56.84	+14 57 59.2		691	1997 AN ₇	1996 11 12.48002	08 55 15.83	+14 37 53.5	18.2 V	691
1995 UZ ₄₉	1995 10 20.49536	03 29 55.91	+14 57 55.6		691	1997 AN ₇	1996 11 12.50159	08 55 17.33	+14 37 45.0	18.2 V	691
1995 UA ₅₀	* 1995 10 17.22860	01 33 04.11	+10 05 48.0		691	1997 AN ₇	1996 11 12.52310	08 55 18.81	+14 37 36.6	18.1 V	691
1995 UA ₅₀	1995 10 17.24971	01 33 02.83	+10 05 42.9	17.1 V	691	1997 AG ₂₄	1997 01 09.28022	08 06 41.39	+19 08 39.8	19.5 V	691
1995 UA ₅₀	1995 10 17.27089	01 33 01.57	+10 05 37.5		691	1997 AG ₂₄	1997 01 09.30240	08 06 39.90	+19 08 48.1	19.5 V	691
1995 UA ₅₀	1995 10 22.30340	01 28 07.05	+09 44 45.2	17.5 V	691	1997 BP ₅	1994 04 15.37075	15 17 06.24	-13 59 28.4	19.8 V	691
1995 UA ₅₀	1995 10 22.32672	01 28 05.63	+09 44 39.3		691	1997 BP ₅	1994 04 15.40574	15 17 04.54	-13 59 21.1		691
1995 UA ₅₀	1995 10 22.34849	01 28 04.31	+09 44 33.8		691	1997 BP ₅	1994 04 15.44006	15 17 02.96	-13 59 12.8		691
1995 WG ₄₃	* 1995 11 30.30853	03 51 48.19	+13 38 05.9		691	1997 BL ₉	1997 03 15.33767	10 31 42.57	+07 18 16.8	19.7 V	691
1995 WG ₄₃	1995 11 30.33015	03 51 46.84	+13 38 04.5	18.8 V	691	1997 BL ₉	1997 03 15.35893	10 31 41.46	+07 18 22.0	19.7 V	691
1995 WG ₄₃	1995 12 14.14155	03 38 59.12	+13 31 13.1		691	1997 BL ₉	1997 03 15.38112	10 31 40.27	+07 18 27.8	19.5 V	691
1995 WG ₄₃	1995 12 14.16300	03 38 58.00	+13 31 13.3		691	1997 CB ₂₂	1992 01 31.34975	09 22 12.97	+21 24 55.7		691
1995 WG ₄₃	1995 12 14.18466	03 38 56.92	+13 31 13.6	19.1 V	691	1997 CB ₂₂	1992 01 31.37974	09 22 11.21	+21 25 01.3	17.2 V	691
1995 WH ₄₃	* 1995 11 30.30728	03 50 00.27	+13 46 35.8		691	1997 CB ₂₂	1994 10 08.12018	23 24 19.71	-01 47 40.3		691
1995 WH ₄₃	1995 11 30.32890	03 49 58.96	+13 46 35.4	17.2 V	691	1997 CB ₂₂	1994 10 08.14483	23 24 18.66	-01 47 43.9	16.7 V	691

1997 CB ₂₂	1994 10 08.16882	23 24 17.66	-01 47 46.9		691	1997 ES ₄	1997 04 08.23200	11 58 16.39	-00 34 10.0	18.8 V	691
1997 CF ₂₆	1997 03 12.19891	10 58 36.39	+16 34 44.7	17.2 V	691	1997 ES ₄	1997 04 08.25305	11 58 15.37	-00 34 07.8	18.9 V	691
1997 CF ₂₆	1997 03 12.22113	10 58 35.15	+16 34 48.1	17.1 V	691	1997 ES ₄	1997 04 08.27408	11 58 14.35	-00 34 05.3	18.8 V	691
1997 CF ₂₆	1997 03 12.24356	10 58 33.89	+16 34 51.7	17.0 V	691	1997 ES ₄	1997 04 09.25933	11 57 29.27	-00 32 15.9	18.9 V	691
1997 CH ₂₆	1992 01 31.23606	08 37 14.02	+21 24 58.5	18.3 V	691	1997 ES ₄	1997 04 09.26905	11 57 28.79	-00 32 14.9	18.9 V	691
1997 CH ₂₆	1992 01 31.26156	08 37 12.48	+21 25 08.3		691	1997 ES ₄	1997 04 09.28251	11 57 28.15	-00 32 12.7	18.8 V	691
1997 CH ₂₆	1992 01 31.28727	08 37 11.02	+21 25 18.3		691	1997 ES ₄	1997 04 15.18883	11 53 24.30	-00 23 33.5	19.3 V	691
1997 CU ₂₆	1997 03 15.15348	08 25 35.41	+15 42 34.0	16.9 R	691	1997 ES ₄	1997 04 15.21073	11 53 23.43	-00 23 31.8	18.9 V	691
1997 DA	1997 02 07.25154	08 06 35.62	+19 57 30.9	18.3 V	691	1997 ES ₄	1997 04 15.23230	11 53 22.57	-00 23 30.2	18.8 V	691
1997 DA	1997 02 07.27431	08 06 34.34	+19 57 38.7	18.2 V	691	1997 ET ₄	1997 04 07.27193	12 02 17.20	+00 01 12.4	20.4 V	691
1997 DA	1997 02 07.29668	08 06 33.07	+19 57 47.2	18.3 V	691	1997 ET ₄	1997 04 07.29379	12 02 16.22	+00 01 16.3	20.5 V	691
1997 EL	1997 02 06.47741	11 52 12.52	+05 32 06.1	17.4 V	691	1997 ET ₄	1997 04 07.31633	12 02 15.20	+00 01 19.9	20.0 V	691
1997 EL	1997 02 06.49860	11 52 12.03	+05 32 12.9	17.2 V	691	1997 ET ₄	1997 04 16.19194	11 56 27.72	+00 21 37.2	20.6 V	691
1997 EL	1997 02 06.51992	11 52 11.59	+05 32 20.3	17.2 V	691	1997 ET ₄	1997 04 16.21372	11 56 26.96	+00 21 39.2	20.4 V	691
1997 EB ₁	1997 03 08.31841	10 09 35.27	+01 46 57.4	18.8 V	691	1997 ET ₄	1997 04 16.23603	11 56 26.13	+00 21 41.7	20.2 V	691
1997 EB ₁	1997 03 08.33929	10 09 34.08	+01 47 03.6	18.7 V	691	1997 EV ₄	1997 04 07.27071	12 00 31.25	+00 19 56.4	20.5 V	691
1997 EB ₁	1997 03 08.36028	10 09 32.88	+01 47 09.6	18.5 V	691	1997 EV ₄	1997 04 07.29257	12 00 30.13	+00 20 00.8	20.4 V	691
1997 EB ₁	1997 03 16.16201	10 02 56.95	+02 25 12.0	18.6 V	691	1997 EV ₄	1997 04 07.31510	12 00 28.96	+00 20 05.4	20.3 V	691
1997 EB ₁	1997 03 16.18615	10 02 55.80	+02 25 19.7	18.6 V	691	1997 EV ₄	1997 04 16.28250	11 53 35.71	+00 46 25.7	20.6 V	691
1997 EB ₁	1997 03 16.20736	10 02 54.78	+02 25 25.8	18.6 V	691	1997 EV ₄	1997 04 16.30414	11 53 34.77	+00 46 29.1	20.9 V	691
1997 EP ₃	1997 04 09.30014	11 51 10.06	+00 52 30.3	18.9 V	691	1997 EV ₄	1997 04 16.32660	11 53 33.79	+00 46 32.2	20.4 V	691
1997 EP ₃	1997 04 09.32209	11 51 08.88	+00 52 34.1	19.0 V	691	1997 EW ₄	1997 04 07.20769	12 01 41.85	-00 03 42.6	18.9 V	691
1997 EP ₃	1997 04 09.34386	11 51 07.70	+00 52 37.9	19.1 V	691	1997 EW ₄	1997 04 07.22895	12 01 40.74	-00 03 38.8	18.8 V	691
1997 EP ₃	1997 04 13.22676	11 47 59.47	+01 03 07.9	19.1 V	691	1997 EW ₄	1997 04 07.24986	12 01 39.75	-00 03 35.4	18.8 V	691
1997 EP ₃	1997 04 13.24820	11 47 58.49	+01 03 11.2	19.0 V	691	1997 EW ₄	1997 04 08.33075	12 00 48.15	-00 00 28.1	19.0 V	691
1997 EP ₃	1997 04 13.26984	11 47 57.41	+01 03 14.1	19.1 V	691	1997 EW ₄	1997 04 08.35364	12 00 47.02	-00 00 24.4	19.0 V	691
1997 EZ ₃	1997 04 12.21734	11 49 19.20	+00 29 20.3	19.3 V	691	1997 EW ₄	1997 04 08.37863	12 00 45.81	-00 00 20.2	19.0 V	691
1997 EZ ₃	1997 04 12.24084	11 49 18.31	+00 29 24.0	19.4 V	691	1997 EW ₄	1997 04 16.19103	11 55 08.88	+00 18 46.5	19.0 V	691
1997 EZ ₃	1997 04 12.26201	11 49 17.49	+00 29 27.3	19.3 V	691	1997 EW ₄	1997 04 16.21280	11 55 07.99	+00 18 49.1	18.9 V	691
1997 EK ₄	1997 04 07.26451	11 51 34.08	+00 31 44.9	18.9 V	691	1997 EW ₄	1997 04 16.23512	11 55 07.10	+00 18 51.9	19.0 V	691
1997 EK ₄	1997 04 07.28636	11 51 32.90	+00 31 48.9	18.7 V	691	1997 EJ ₅	1997 04 07.26821	11 56 55.18	+00 29 41.2	20.2 V	691
1997 EK ₄	1997 04 07.30890	11 51 31.66	+00 31 52.8	18.6 V	691	1997 EJ ₅	1997 04 07.29007	11 56 54.28	+00 29 47.1	20.1 V	691
1997 EK ₄	1997 04 09.29924	11 49 52.14	+00 37 45.8	18.8 V	691	1997 EJ ₅	1997 04 07.31261	11 56 53.29	+00 29 52.6	20.0 V	691
1997 EK ₄	1997 04 09.32119	11 49 51.03	+00 37 49.9	19.1 V	691	1997 EJ ₅	1997 04 09.30318	11 55 33.37	+00 38 00.2	20.0 V	691
1997 EK ₄	1997 04 09.34296	11 49 49.89	+00 37 53.3	19.2 V	691	1997 EJ ₅	1997 04 09.32513	11 55 32.47	+00 38 05.6	20.2 V	691
1997 EL ₄	1997 03 14.36639	12 17 58.29	-01 06 56.9	20.8 V	691	1997 EJ ₅	1997 04 09.34691	11 55 31.63	+00 38 10.8	20.4 V	691
1997 EL ₄	1997 03 14.39818	12 17 57.00	-01 06 48.7	21.1 V	691	1997 EJ ₅	1997 04 13.23024	11 53 04.15	+00 53 08.0	20.4 V	691
1997 EL ₄	1997 03 14.42714	12 17 55.77	-01 06 41.5	20.8 V	691	1997 EJ ₅	1997 04 13.25168	11 53 03.35	+00 53 12.9	20.2 V	691
1997 EL ₄	1997 04 09.30646	12 00 17.68	+00 44 37.3	20.8 V	691	1997 EJ ₅	1997 04 13.27329	11 53 02.52	+00 53 17.6	20.5 V	691
1997 EL ₄	1997 04 09.32841	12 00 16.84	+00 44 42.0	21.5 V	691	1997 EN ₅	1997 04 07.26775	11 56 14.96	+00 31 09.3	20.1 V	691
1997 EL ₄	1997 04 09.35019	12 00 16.07	+00 44 47.5	21.0 V	691	1997 EN ₅	1997 04 07.31215	11 56 12.86	+00 31 20.6	19.9 V	691
1997 EL ₄	1997 04 13.23362	11 57 56.68	+00 59 07.7	21.7 V	691	1997 EN ₅	1997 04 09.30261	11 54 43.74	+00 39 35.3	20.3 V	691
1997 EL ₄	1997 04 13.25506	11 57 55.88	+00 59 12.8	21.3 V	691	1997 EN ₅	1997 04 09.32456	11 54 42.72	+00 39 40.6	20.4 V	691
1997 EL ₄	1997 04 13.27667	11 57 55.10	+00 59 16.9	21.0 V	691	1997 EN ₅	1997 04 09.34633	11 54 41.78	+00 39 45.7	20.5 V	691
1997 EN ₄	1997 04 02.18552	11 59 44.60	-00 35 59.4	19.3 V	691	1997 EN ₅	1997 04 13.22949	11 51 59.05	+00 54 41.4	19.8 V	691
1997 EN ₄	1997 04 02.21223	11 59 43.15	-00 35 55.2	19.2 V	691	1997 EN ₅	1997 04 13.25093	11 51 58.01	+00 54 47.4	19.1 V	691
1997 EN ₄	1997 04 02.23394	11 59 41.71	-00 35 52.0	19.2 V	691	1997 EN ₅	1997 04 13.27254	11 51 57.26	+00 54 51.1	20.5 V	691
1997 EN ₄	1997 04 07.20322	11 55 14.50	-00 23 40.5	19.2 V	691	1997 EQ ₅	1997 04 07.26824	11 56 57.68	+00 13 27.8	19.5 V	691
1997 EN ₄	1997 04 07.22448	11 55 13.37	-00 23 37.6	19.0 V	691	1997 EQ ₅	1997 04 07.29010	11 56 56.61	+00 13 32.5	19.6 V	691
1997 EN ₄	1997 04 07.24539	11 55 12.19	-00 23 35.6	18.5 V	691	1997 EQ ₅	1997 04 07.31264	11 56 55.48	+00 13 37.3	19.4 V	691
1997 ES ₄	1997 04 02.18796	12 03 15.61	-00 47 08.7	18.6 V	691	1997 EQ ₅	1997 04 12.22015	11 53 22.21	+00 29 13.5	19.8 V	691
1997 ES ₄	1997 04 02.21467	12 03 14.22	-00 47 05.6	18.6 V	691	1997 EQ ₅	1997 04 12.24364	11 53 21.20	+00 29 17.5	19.9 V	691

1997 EQ ₅	1997 04 12.26481	11 53 20.31	+00 29 20.9	19.9 V	691	1997 EJ ₁₅	1997 04 14.18499	11 47 40.46	-00 44 48.9	16.6 V	691
1997 EQ ₅	1997 04 16.28060	11 50 51.47	+00 39 34.5	19.7 V	691	1997 EJ ₁₅	1997 04 14.20757	11 47 39.60	-00 44 47.8	16.6 V	691
1997 EQ ₅	1997 04 16.30225	11 50 50.71	+00 39 37.6	19.6 V	691	1997 EJ ₁₅	1997 04 14.22929	11 47 38.75	-00 44 46.4	16.7 V	691
1997 EQ ₅	1997 04 16.32471	11 50 49.88	+00 39 40.4	19.5 V	691	1997 EK ₁₅	1997 03 15.40054	12 17 53.85	-02 28 36.2	19.2 V	691
1997 ED ₇	1997 03 16.16354	10 05 09.69	+02 24 35.5	19.5 V	691	1997 EK ₁₅	1997 03 15.42438	12 17 52.37	-02 28 38.1	19.3 V	691
1997 ED ₇	1997 03 16.18768	10 05 08.61	+02 24 43.9	19.8 V	691	1997 EK ₁₅	1997 03 15.44561	12 17 51.08	-02 28 39.8	19.3 V	691
1997 ED ₇	1997 03 16.20889	10 05 07.70	+02 24 50.9	19.7 V	691	1997 EM ₁₅	1997 03 15.40236	12 20 31.89	-02 02 25.9	18.3 V	691
1997 EO ₇	1997 01 09.51474	10 28 22.33	+11 03 50.6	18.6 V	691	1997 EM ₁₅	1997 03 15.42621	12 20 30.38	-02 02 22.5	18.1 V	691
1997 EO ₇	1997 01 09.53262	10 28 21.95	+11 03 51.3	18.6 V	691	1997 EM ₁₅	1997 03 15.44744	12 20 29.03	-02 02 19.4	18.2 V	691
1997 EO ₇	1997 01 09.55085	10 28 21.56	+11 03 51.8	18.5 V	691	1997 EM ₁₅	1997 04 08.22974	11 55 00.93	-00 58 36.9	18.4 V	691
1997 EE ₉	1997 03 14.36858	12 21 07.95	-01 06 24.9	20.2 V	691	1997 EM ₁₅	1997 04 08.25079	11 54 59.65	-00 58 34.2	18.5 V	691
1997 EE ₉	1997 03 14.40036	12 21 06.19	-01 06 21.1	20.1 V	691	1997 EM ₁₅	1997 04 08.27182	11 54 58.36	-00 58 31.3	18.5 V	691
1997 EE ₉	1997 03 14.42932	12 21 04.58	-01 06 17.6	19.9 V	691	1997 EM ₁₅	1997 04 14.18613	11 49 35.11	-00 47 10.4	18.3 V	691
1997 EE ₉	1997 04 08.32885	11 58 03.61	-00 14 14.3	20.3 V	691	1997 EM ₁₅	1997 04 14.20874	11 49 33.92	-00 47 08.9	18.4 V	691
1997 EE ₉	1997 04 08.35174	11 58 02.41	-00 14 12.2	20.3 V	691	1997 EM ₁₅	1997 04 14.23044	11 49 32.80	-00 47 06.6	18.6 V	691
1997 EE ₉	1997 04 08.37673	11 58 01.11	-00 14 09.6	20.4 V	691	1997 EN ₁₅	1997 04 12.22768	12 04 14.40	+00 07 14.8	20.2 V	691
1997 EE ₉	1997 04 15.18825	11 52 33.98	-00 04 28.2	20.5 V	691	1997 EN ₁₅	1997 04 12.25117	12 04 13.46	+00 07 19.7	20.2 V	691
1997 EE ₉	1997 04 15.21015	11 52 33.00	-00 04 26.8	20.1 V	691	1997 EN ₁₅	1997 04 12.27234	12 04 12.59	+00 07 23.8	20.1 V	691
1997 EE ₉	1997 04 15.23171	11 52 31.98	-00 04 25.0	20.3 V	691	1997 EN ₁₅	1997 04 16.19565	12 01 48.80	+00 19 36.7	20.6 V	691
1997 EA ₁₀	1997 03 15.32520	10 13 42.32	+07 10 50.2	19.8 V	691	1997 EN ₁₅	1997 04 16.21742	12 01 48.03	+00 19 40.8	20.8 V	691
1997 EA ₁₀	1997 03 15.34645	10 13 41.19	+07 10 49.3	19.9 V	691	1997 EN ₁₅	1997 04 16.23974	12 01 47.23	+00 19 44.4	20.6 V	691
1997 EA ₁₀	1997 03 15.36864	10 13 39.96	+07 10 48.1	20.2 V	691	1997 EG ₁₆	1997 04 07.26742	11 55 46.19	+00 20 26.1	20.4 V	691
1997 ER ₁₀	1997 04 02.18169	11 54 12.21	-00 37 18.5	20.2 V	691	1997 EG ₁₆	1997 04 07.28928	11 55 45.27	+00 20 32.5	20.7 V	691
1997 ER ₁₀	1997 04 02.20839	11 54 10.79	-00 37 15.3	20.5 V	691	1997 EG ₁₆	1997 04 07.31182	11 55 44.31	+00 20 39.0	20.6 V	691
1997 ER ₁₀	1997 04 02.23010	11 54 09.67	-00 37 14.3	20.8 V	691	1997 EG ₁₆	1997 04 13.22957	11 52 05.84	+00 47 43.7	20.7 V	691
1997 ER ₁₀	1997 04 08.32271	11 49 11.42	-00 29 56.8	20.1 V	691	1997 EG ₁₆	1997 04 13.25101	11 52 05.06	+00 47 48.8	21.1 V	691
1997 ER ₁₀	1997 04 08.34560	11 49 10.30	-00 29 55.8	20.3 V	691	1997 EG ₁₆	1997 04 13.27262	11 52 04.28	+00 47 54.5	21.1 V	691
1997 ER ₁₀	1997 04 08.37059	11 49 09.11	-00 29 54.2	20.4 V	691	1997 EJ ₁₆	1997 04 07.19926	11 49 31.51	-00 07 14.0	20.7 V	691
1997 ET ₁₀	1997 04 07.27219	12 02 39.44	+00 15 31.3	20.6 V	691	1997 EJ ₁₆	1997 04 07.22052	11 49 30.40	-00 07 08.6	20.4 V	691
1997 ET ₁₀	1997 04 07.29405	12 02 38.46	+00 15 34.4	20.3 V	691	1997 EJ ₁₆	1997 04 07.24143	11 49 29.29	-00 07 03.7	20.4 V	691
1997 ET ₁₀	1997 04 07.31659	12 02 37.42	+00 15 37.5	20.5 V	691	1997 EJ ₁₆	1997 04 08.32229	11 48 35.40	-00 02 51.0	20.4 V	691
1997 ET ₁₀	1997 04 16.28454	11 56 32.61	+00 33 18.3	20.8 V	691	1997 EJ ₁₆	1997 04 08.34519	11 48 34.24	-00 02 46.0	20.6 V	691
1997 ET ₁₀	1997 04 16.30619	11 56 31.83	+00 33 20.4	20.4 V	691	1997 EJ ₁₆	1997 04 08.37017	11 48 32.96	-00 02 40.4	20.6 V	691
1997 ET ₁₀	1997 04 16.32865	11 56 30.93	+00 33 22.7	20.7 V	691	1997 EK ₁₆	1997 04 09.30038	11 51 30.90	+00 58 29.7	20.3 V	691
1997 EX ₁₀	1997 04 09.31102	12 06 52.19	+00 36 18.7	19.4 V	691	1997 EK ₁₆	1997 04 09.32233	11 51 29.90	+00 58 37.1	20.4 V	691
1997 EX ₁₀	1997 04 09.33297	12 06 51.29	+00 36 22.6	19.5 V	691	1997 EK ₁₆	1997 04 09.34410	11 51 28.88	+00 58 44.1	20.2 V	691
1997 EX ₁₀	1997 04 09.35474	12 06 50.35	+00 36 26.8	19.5 V	691	1997 EL ₁₆	1997 04 09.30289	11 55 08.30	+00 43 29.5	19.0 V	691
1997 EX ₁₀	1997 04 13.23804	12 04 20.11	+00 47 37.7	19.1 V	691	1997 EL ₁₆	1997 04 09.32484	11 55 07.42	+00 43 36.0	19.2 V	691
1997 EX ₁₀	1997 04 13.25949	12 04 19.34	+00 47 41.1	19.4 V	691	1997 EL ₁₆	1997 04 09.34662	11 55 06.55	+00 43 42.3	19.2 V	691
1997 EX ₁₀	1997 04 13.28110	12 04 18.50	+00 47 45.1	19.6 V	691	1997 EL ₁₆	1997 04 13.23006	11 52 48.31	+01 01 33.8	19.1 V	691
1997 EX ₁₀	1997 04 16.28867	12 02 30.14	+00 55 29.8	19.3 V	691	1997 EL ₁₆	1997 04 13.25150	11 52 47.55	+01 01 39.5	19.0 V	691
1997 EX ₁₀	1997 04 16.31032	12 02 29.36	+00 55 33.0	19.5 V	691	1997 EL ₁₆	1997 04 13.27311	11 52 46.79	+01 01 45.0	19.4 V	691
1997 EX ₁₀	1997 04 16.33278	12 02 28.55	+00 55 36.5	19.5 V	691	1997 EN ₁₆	1997 03 15.39814	12 14 26.17	-02 04 45.4	21.0 V	691
1997 EF ₁₁	1997 03 16.16311	10 04 31.95	+02 28 42.6	21.3 V	691	1997 EN ₁₆	1997 03 15.42199	12 14 24.87	-02 04 38.0	20.8 V	691
1997 EF ₁₁	1997 03 16.18724	10 04 30.93	+02 28 54.0	21.3 V	691	1997 EN ₁₆	1997 03 15.44322	12 14 23.74	-02 04 31.3	20.5 V	691
1997 EF ₁₁	1997 03 16.20846	10 04 30.01	+02 29 01.8	20.9 V	691	1997 EN ₁₆	1997 04 08.32615	11 54 09.95	-00 00 47.2	21.1 V	691
1997 EH ₁₅	1997 03 15.39925	12 16 02.10	-02 21 25.0	18.5 V	691	1997 EN ₁₆	1997 04 08.34905	11 54 08.95	-00 00 41.5	21.2 V	691
1997 EH ₁₅	1997 03 15.42309	12 16 00.73	-02 21 25.8	18.5 V	691	1997 EN ₁₆	1997 04 08.37404	11 54 07.80	-00 00 34.3	21.3 V	691
1997 EH ₁₅	1997 03 15.44433	12 15 59.50	-02 21 26.6	18.5 V	691	1997 ET ₁₆	1997 03 15.40410	12 23 02.65	-02 06 41.0	20.3 V	691
1997 EJ ₁₅	1997 04 08.22761	11 51 56.44	-00 53 44.7	16.6 V	691	1997 ET ₁₆	1997 03 15.42795	12 23 01.66	-02 06 35.3	20.2 V	691
1997 EJ ₁₅	1997 04 08.24866	11 51 55.37	-00 53 42.5	16.5 V	691	1997 ET ₁₆	1997 03 15.44919	12 23 00.76	-02 06 28.8	20.5 V	691
1997 EJ ₁₅	1997 04 08.26970	11 51 54.29	-00 53 40.2	16.5 V	691	1997 ET ₁₆	1997 04 02.19294	12 10 27.29	-00 39 40.5	20.5 V	691

1997 ET ₁₆	1997 04 02.21965	12 10 26.09	-00 39 32.8	20.7 V	691	1997 EO ₂₆	1997 04 12.21858	11 51 06.56	+00 01 55.0	20.9 V	691
1997 ET ₁₆	1997 04 02.24137	12 10 25.20	-00 39 26.6	21.1 V	691	1997 EO ₂₆	1997 04 12.24208	11 51 05.71	+00 02 00.2	20.8 V	691
1997 ET ₁₆	1997 04 07.21137	12 07 00.46	-00 15 56.9	20.6 V	691	1997 EO ₂₆	1997 04 12.26325	11 51 04.83	+00 02 03.4	21.2 V	691
1997 ET ₁₆	1997 04 07.23263	12 06 59.56	-00 15 51.1	20.5 V	691	1997 EQ ₂₆	1997 04 07.26593	11 53 37.18	+00 24 17.7	20.8 V	691
1997 ET ₁₆	1997 04 07.25354	12 06 58.70	-00 15 45.3	20.6 V	691	1997 EQ ₂₆	1997 04 07.28778	11 53 36.00	+00 24 23.1	21.1 V	691
1997 ET ₁₆	1997 04 08.33453	12 06 15.52	-00 10 48.6	20.9 V	691	1997 EQ ₂₆	1997 04 07.31032	11 53 34.73	+00 24 29.0	20.8 V	691
1997 ET ₁₆	1997 04 08.35743	12 06 14.58	-00 10 43.2	21.0 V	691	1997 EQ ₂₆	1997 04 09.30063	11 51 52.61	+00 33 00.2	20.4 V	691
1997 ET ₁₆	1997 04 08.38241	12 06 13.54	-00 10 36.0	21.0 V	691	1997 EQ ₂₆	1997 04 09.32258	11 51 51.47	+00 33 05.6	20.8 V	691
1997 ET ₁₆	1997 04 16.19536	12 01 23.51	+00 22 39.6	21.0 V	691	1997 EQ ₂₆	1997 04 09.34435	11 51 50.34	+00 33 10.9	20.5 V	691
1997 ET ₁₆	1997 04 16.21713	12 01 22.76	+00 22 44.9	20.6 V	691	1997 EQ ₂₆	1997 04 13.22724	11 48 44.20	+00 48 29.0	20.4 V	691
1997 ET ₁₆	1997 04 16.23945	12 01 21.95	+00 22 50.4	21.2 V	691	1997 EQ ₂₆	1997 04 13.24868	11 48 43.23	+00 48 33.8	20.3 V	691
1997 EU ₁₆	1997 04 07.20866	12 03 05.62	-00 11 30.4	21.3 V	691	1997 EQ ₂₆	1997 04 13.27029	11 48 42.20	+00 48 38.5	20.6 V	691
1997 EU ₁₆	1997 04 07.22992	12 03 04.73	-00 11 25.3	21.1 V	691	1997 ER ₂₆	1997 04 07.29521	12 04 19.08	+00 23 16.8	19.6 V	691
1997 EU ₁₆	1997 04 07.25083	12 03 03.88	-00 11 19.9	21.2 V	691	1997 ER ₂₆	1997 04 07.31775	12 04 18.15	+00 23 22.9	19.3 V	691
1997 EU ₁₆	1997 04 08.33182	12 02 20.92	-00 06 50.7	21.2 V	691	1997 ER ₂₆	1997 04 13.23543	12 00 34.13	+00 49 09.0	19.5 V	691
1997 EU ₁₆	1997 04 08.35472	12 02 19.99	-00 06 45.0	21.0 V	691	1997 ER ₂₆	1997 04 13.25688	12 00 33.30	+00 49 14.2	19.7 V	691
1997 EU ₁₆	1997 04 08.37971	12 02 18.98	-00 06 39.2	21.1 V	691	1997 ER ₂₆	1997 04 13.27849	12 00 32.50	+00 49 19.4	19.8 V	691
1997 EP ₁₇	1992 11 21.45246	04 47 01.51	+15 59 59.5	16.7 V	691	1997 ES ₂₆	1997 04 07.27268	12 03 22.26	+00 12 19.4	19.7 V	691
1997 EP ₁₇	1992 11 21.46768	04 47 00.55	+15 59 55.4		691	1997 ES ₂₆	1997 04 07.29454	12 03 21.36	+00 12 24.7	19.7 V	691
1997 ET ₁₇	1997 04 07.14047	10 28 59.10	+07 23 44.2	18.8 V	691	1997 ES ₂₆	1997 04 07.31708	12 03 20.41	+00 12 30.1	19.6 V	691
1997 ET ₁₇	1997 04 07.16329	10 28 58.64	+07 23 47.8	18.4 V	691	1997 ES ₂₆	1997 04 13.23479	11 59 38.37	+00 33 58.2	19.9 V	691
1997 ET ₁₇	1997 04 07.18513	10 28 58.21	+07 23 51.6	18.3 V	691	1997 ES ₂₆	1997 04 13.25624	11 59 37.56	+00 34 02.5	20.0 V	691
1997 EO ₂₂	1997 03 15.40046	12 17 47.09	-02 14 33.1	19.1 V	691	1997 ES ₂₆	1997 04 13.27784	11 59 36.77	+00 34 06.9	20.5 V	691
1997 EO ₂₂	1997 03 15.42431	12 17 45.88	-02 14 26.2	19.0 V	691	1997 ES ₂₆	1997 04 16.28551	11 57 56.67	+00 43 36.6	20.0 V	691
1997 EO ₂₂	1997 03 15.44554	12 17 44.85	-02 14 20.5	19.3 V	691	1997 ES ₂₆	1997 04 16.30716	11 57 55.92	+00 43 40.4	20.0 V	691
1997 EQ ₂₂	1997 04 02.19416	12 12 12.31	-00 49 35.0	19.1 V	691	1997 ES ₂₆	1997 04 16.32962	11 57 55.20	+00 43 44.2	20.1 V	691
1997 EQ ₂₂	1997 04 02.22086	12 12 11.08	-00 49 28.6	19.2 V	691	1997 EV ₂₆	1997 04 07.27119	12 01 12.75	+00 13 33.6	21.0 V	691
1997 EQ ₂₂	1997 04 02.24258	12 12 10.14	-00 49 22.0	19.6 V	691	1997 EV ₂₆	1997 04 07.29304	12 01 11.60	+00 13 38.7	21.2 V	691
1997 EQ ₂₂	1997 04 07.21250	12 08 38.59	-00 25 44.6	19.5 V	691	1997 EV ₂₆	1997 04 07.31558	12 01 10.42	+00 13 44.6	20.9 V	691
1997 EQ ₂₂	1997 04 07.23377	12 08 37.69	-00 25 38.3	19.6 V	691	1997 EL ₂₈	1997 04 07.20619	11 59 31.66	-00 13 59.6	20.1 V	691
1997 EQ ₂₂	1997 04 07.25467	12 08 36.78	-00 25 32.4	19.7 V	691	1997 EL ₂₈	1997 04 07.22745	11 59 30.59	-00 13 56.2	20.0 V	691
1997 ED ₂₃	1997 03 05.41694	12 26 05.92	-02 44 55.5	18.4 V	691	1997 EL ₂₈	1997 04 07.24836	11 59 29.63	-00 13 52.9	19.9 V	691
1997 ED ₂₃	1997 03 05.43802	12 26 05.05	-02 44 52.8	18.4 V	691	1997 EL ₂₈	1997 04 08.32926	11 58 38.97	-00 10 53.0	20.0 V	691
1997 ED ₂₃	1997 03 05.45905	12 26 04.19	-02 44 49.8	18.4 V	691	1997 EL ₂₈	1997 04 08.35215	11 58 37.87	-00 10 49.1	19.8 V	691
1997 ED ₂₃	1997 03 15.40101	12 18 34.80	-02 15 49.7	18.0 V	691	1997 EL ₂₈	1997 04 08.37714	11 58 36.71	-00 10 45.3	20.3 V	691
1997 ED ₂₃	1997 03 15.42486	12 18 33.53	-02 15 44.7	18.0 V	691	1997 EL ₂₈	1997 04 16.18955	11 53 00.11	+00 08 16.8	20.0 V	691
1997 ED ₂₃	1997 03 15.44609	12 18 32.42	-02 15 40.4	17.9 V	691	1997 EL ₂₈	1997 04 16.21132	11 52 59.21	+00 08 19.4	20.0 V	691
1997 ED ₂₃	1997 04 08.23161	11 57 42.51	-00 47 46.9	18.2 V	691	1997 EL ₂₈	1997 04 16.23363	11 52 58.28	+00 08 22.4	20.2 V	691
1997 ED ₂₃	1997 04 08.25266	11 57 41.47	-00 47 43.1	18.3 V	691	1997 EM ₂₈	1997 04 13.23514	12 00 08.60	+00 35 15.2	19.9 V	691
1997 ED ₂₃	1997 04 08.27369	11 57 40.43	-00 47 39.0	18.2 V	691	1997 EM ₂₈	1997 04 13.25658	12 00 07.76	+00 35 19.5	20.0 V	691
1997 ED ₂₃	1997 04 09.25893	11 56 55.14	-00 44 32.2	18.4 V	691	1997 EM ₂₈	1997 04 13.27819	12 00 06.97	+00 35 23.5	20.4 V	691
1997 ED ₂₃	1997 04 09.26865	11 56 54.67	-00 44 30.3	18.3 V	691	1997 ER ₂₈	1997 04 07.19897	11 49 06.54	-00 10 20.9	20.7 V	691
1997 ED ₂₃	1997 04 09.28211	11 56 54.02	-00 44 27.5	18.4 V	691	1997 ER ₂₈	1997 04 07.22024	11 49 05.59	-00 10 16.1	20.6 V	691
1997 ED ₂₃	1997 04 15.18843	11 52 49.58	-00 28 19.9	18.6 V	691	1997 ER ₂₈	1997 04 07.24114	11 49 04.65	-00 10 11.5	20.6 V	691
1997 ED ₂₃	1997 04 15.21033	11 52 48.73	-00 28 16.6	18.3 V	691	1997 ER ₂₈	1997 04 08.32211	11 48 19.17	-00 06 23.8	20.3 V	691
1997 ED ₂₃	1997 04 15.23190	11 52 47.87	-00 28 13.3	18.4 V	691	1997 ER ₂₈	1997 04 08.34500	11 48 18.15	-00 06 19.0	20.8 V	691
1997 EM ₂₅	1997 01 31.30455	09 28 21.51	+13 07 50.1	18.1 V	691	1997 ER ₂₈	1997 04 08.36999	11 48 17.08	-00 06 14.0	21.0 V	691
1997 EM ₂₅	1997 01 31.32642	09 28 20.36	+13 08 03.6	17.9 V	691	1997 EV ₂₈	1997 04 12.22007	11 53 15.69	+00 30 49.0	20.3 V	691
1997 EM ₂₅	1997 01 31.34773	09 28 19.26	+13 08 16.8	18.1 V	691	1997 EV ₂₈	1997 04 12.24356	11 53 14.69	+00 30 53.9	20.3 V	691
1997 EO ₂₆	1997 04 08.32580	11 53 39.29	-00 09 59.2	20.9 V	691	1997 EV ₂₈	1997 04 12.26474	11 53 13.76	+00 30 58.9	20.3 V	691
1997 EO ₂₆	1997 04 08.34870	11 53 38.35	-00 09 55.0	20.7 V	691	1997 EV ₂₈	1997 04 13.22989	11 52 34.30	+00 34 40.6	20.2 V	691
1997 EO ₂₆	1997 04 08.37368	11 53 37.31	-00 09 50.0	20.9 V	691	1997 EV ₂₈	1997 04 13.25134	11 52 33.41	+00 34 45.5	20.3 V	691

1997 EV ₂₈	1997 04 13.27294	11 52 32.50	+00 34 50.6	20.7 V	691	1997 EV ₃₀	1997 03 15.41849	12 09 22.26	-02 12 10.6	20.7 V	691
1997 EV ₂₈	1997 04 16.28042	11 50 35.93	+00 45 42.0	20.2 V	691	1997 EV ₃₀	1997 03 15.43973	12 09 20.95	-02 12 05.8	20.3 V	691
1997 EV ₂₈	1997 04 16.30207	11 50 35.08	+00 45 46.1	20.2 V	691	1997 EW ₃₀	* 1997 03 05.41184	12 18 43.93	-02 49 46.5	21.1 V	691
1997 EV ₂₈	1997 04 16.32453	11 50 34.23	+00 45 50.9	20.2 V	691	1997 EW ₃₀	1997 03 05.43292	12 18 42.97	-02 49 42.6	20.9 V	691
1997 EZ ₂₈	1997 04 07.21068	12 06 00.31	-00 09 10.6	20.3 V	691	1997 EW ₃₀	1997 03 05.45395	12 18 42.00	-02 49 39.2	20.8 V	691
1997 EZ ₂₈	1997 04 07.23194	12 05 59.34	-00 09 05.8	20.3 V	691	1997 EW ₃₀	1997 03 15.39566	12 10 51.02	-02 14 19.9	20.5 V	691
1997 EZ ₂₈	1997 04 07.25284	12 05 58.37	-00 09 00.7	20.3 V	691	1997 EW ₃₀	1997 03 15.41951	12 10 49.81	-02 14 15.8	20.5 V	691
1997 EZ ₂₈	1997 04 08.33379	12 05 11.77	-00 04 43.2	20.2 V	691	1997 EW ₃₀	1997 03 15.44074	12 10 48.72	-02 14 10.1	20.6 V	691
1997 EZ ₂₈	1997 04 08.35669	12 05 10.77	-00 04 37.8	20.4 V	691	1997 EX ₃₀	* 1997 03 05.41243	12 19 35.43	-02 37 24.5	20.6 V	691
1997 EZ ₂₈	1997 04 08.38168	12 05 09.64	-00 04 32.4	20.7 V	691	1997 EX ₃₀	1997 03 05.43351	12 19 34.45	-02 37 21.7	20.5 V	691
1997 EE ₂₉	1997 03 05.41252	12 19 43.46	-02 54 49.7	17.8 V	691	1997 EX ₃₀	1997 03 05.45454	12 19 33.52	-02 37 19.6	20.6 V	691
1997 EE ₂₉	1997 03 05.43360	12 19 42.51	-02 54 44.7	17.7 V	691	1997 EX ₃₀	1997 03 15.39629	12 11 45.56	-02 16 14.2	20.4 V	691
1997 EE ₂₉	1997 03 05.45464	12 19 41.57	-02 54 38.8	17.7 V	691	1997 EX ₃₀	1997 03 15.42014	12 11 44.36	-02 16 10.5	20.1 V	691
1997 EE ₂₉	1997 03 15.39636	12 11 51.80	-02 07 21.6	17.6 V	691	1997 EX ₃₀	1997 03 15.44137	12 11 43.28	-02 16 08.0	20.0 V	691
1997 EE ₂₉	1997 03 15.42021	12 11 50.52	-02 07 14.1	17.5 V	691	1997 EY ₃₀	* 1997 03 05.41411	12 22 01.16	-02 56 53.0	20.8 V	691
1997 EE ₂₉	1997 04 07.20139	11 52 35.63	-00 05 22.2	17.9 V	691	1997 EY ₃₀	1997 03 05.43519	12 22 00.27	-02 56 46.9	20.5 V	691
1997 EE ₂₉	1997 04 07.22265	11 52 34.70	-00 05 16.2	17.9 V	691	1997 EY ₃₀	1997 03 05.45623	12 21 59.39	-02 56 40.8	20.6 V	691
1997 EE ₂₉	1997 04 07.24356	11 52 33.72	-00 05 10.3	18.0 V	691	1997 EY ₃₀	1997 03 15.39829	12 14 38.62	-02 04 12.6	20.5 V	691
1997 EE ₂₉	1997 04 16.18581	11 47 06.67	+00 30 45.1	17.9 V	691	1997 EY ₃₀	1997 03 15.42213	12 14 37.48	-02 04 04.5	20.4 V	691
1997 EE ₂₉	1997 04 16.20758	11 47 05.95	+00 30 48.9	18.1 V	691	1997 EY ₃₀	1997 03 15.44337	12 14 36.42	-02 03 57.0	20.2 V	691
1997 EE ₂₉	1997 04 16.22990	11 47 05.22	+00 30 52.9	18.1 V	691	1997 EY ₃₀	1997 04 07.26797	11 56 33.99	+00 06 38.6	20.5 V	691
1997 EJ ₂₉	1997 04 07.19888	11 48 58.08	-00 23 41.8	20.1 V	691	1997 EY ₃₀	1997 04 07.28983	11 56 33.04	+00 06 45.3	20.4 V	691
1997 EJ ₂₉	1997 04 07.22014	11 48 57.07	-00 23 39.8	19.9 V	691	1997 EY ₃₀	1997 04 07.31237	11 56 32.01	+00 06 52.2	20.3 V	691
1997 EJ ₂₉	1997 04 07.24104	11 48 56.05	-00 23 38.0	20.1 V	691	1997 EY ₃₀	1997 04 13.22994	11 52 38.51	+00 35 47.0	20.7 V	691
1997 EJ ₂₉	1997 04 08.32198	11 48 06.17	-00 22 11.9	20.8 V	691	1997 EY ₃₀	1997 04 13.27300	11 52 36.87	+00 35 58.0	20.9 V	691
1997 EJ ₂₉	1997 04 08.34488	11 48 05.07	-00 22 10.3	20.7 V	691	1997 EY ₃₀	1997 04 16.28062	11 50 52.74	+00 49 02.9	20.5 V	691
1997 EJ ₂₉	1997 04 08.36987	11 48 03.91	-00 22 08.7	20.6 V	691	1997 EY ₃₀	1997 04 16.30226	11 50 51.96	+00 49 08.0	21.0 V	691
1997 EB ₃₀	1997 04 07.27353	12 04 35.89	+00 17 17.5	20.7 V	691	1997 EY ₃₀	1997 04 16.32473	11 50 51.23	+00 49 13.6	20.8 V	691
1997 EB ₃₀	1997 04 07.29539	12 04 34.69	+00 17 22.0	20.8 V	691	1997 EZ ₃₀	* 1997 03 05.41482	12 23 02.69	-02 47 31.2	19.9 V	691
1997 EB ₃₀	1997 04 07.31793	12 04 33.47	+00 17 27.0	20.8 V	691	1997 EZ ₃₀	1997 03 05.43590	12 23 01.75	-02 47 28.3	19.7 V	691
1997 EB ₃₀	1997 04 13.23486	11 59 44.51	+00 36 02.2	21.2 V	691	1997 EZ ₃₀	1997 03 05.45694	12 23 00.83	-02 47 25.0	19.7 V	691
1997 EB ₃₀	1997 04 13.25630	11 59 43.44	+00 36 05.5	21.0 V	691	1997 EZ ₃₀	1997 03 15.39860	12 15 06.31	-02 16 01.6	19.5 V	691
1997 EB ₃₀	1997 04 13.27791	11 59 42.39	+00 36 09.1	21.2 V	691	1997 EZ ₃₀	1997 03 15.42245	12 15 04.96	-02 15 56.4	19.4 V	691
1997 ET ₃₀	* 1997 03 12.26579	10 38 34.84	+17 04 37.4	19.7 V	691	1997 EZ ₃₀	1997 03 15.44368	12 15 03.80	-02 15 51.8	19.2 V	691
1997 ET ₃₀	1997 03 12.30217	10 38 31.78	+17 04 47.4	19.7 V	691	1997 EA ₃₁	* 1997 03 05.41729	12 26 36.04	-02 52 27.9	19.5 V	691
1997 ET ₃₀	1997 03 12.35109	10 38 27.72	+17 05 01.5	19.8 V	691	1997 EA ₃₁	1997 03 05.43837	12 26 35.17	-02 52 24.5	19.3 V	691
1997 ET ₃₀	1997 03 13.32686	10 37 09.50	+17 09 36.4	19.7 V	691	1997 EA ₃₁	1997 03 05.45940	12 26 34.31	-02 52 20.7	19.2 V	691
1997 ET ₃₀	1997 03 13.33092	10 37 09.19	+17 09 37.1	19.6 V	691	1997 EA ₃₁	1997 03 15.40149	12 19 16.46	-02 20 05.8	19.1 V	691
1997 ET ₃₀	1997 03 13.33646	10 37 08.71	+17 09 39.3	19.9 V	691	1997 EA ₃₁	1997 03 15.42534	12 19 15.30	-02 20 00.6	19.1 V	691
1997 ET ₃₀	1997 03 14.29486	10 35 52.38	+17 13 57.6	20.2 V	691	1997 EA ₃₁	1997 03 15.44658	12 19 14.29	-02 19 56.1	19.1 V	691
1997 ET ₃₀	1997 03 14.29929	10 35 52.03	+17 13 58.8	20.6 V	691	1997 EA ₃₁	1997 04 09.26069	11 59 27.50	-00 48 28.2	19.5 V	691
1997 ET ₃₀	1997 03 14.30352	10 35 51.69	+17 13 59.9	20.3 V	691	1997 EA ₃₁	1997 04 09.27041	11 59 27.07	-00 48 26.7	19.4 V	691
1997 EU ₃₀	* 1997 03 05.41063	12 16 58.99	-02 46 03.7	21.5 V	691	1997 EA ₃₁	1997 04 09.28387	11 59 26.47	-00 48 23.9	19.4 V	691
1997 EU ₃₀	1997 03 05.43171	12 16 58.08	-02 45 58.8	22.0 V	691	1997 EB ₃₁	* 1997 03 08.25251	10 05 41.52	+01 02 41.1	18.2 V	691
1997 EU ₃₀	1997 03 05.45274	12 16 57.20	-02 45 53.0	21.2 V	691	1997 EB ₃₁	1997 03 08.27344	10 05 40.44	+01 02 52.1	18.5 V	691
1997 EU ₃₀	1997 03 15.39469	12 09 27.28	-02 02 07.7	21.4 V	691	1997 EB ₃₁	1997 03 08.29441	10 05 39.37	+01 03 03.4	18.3 V	691
1997 EU ₃₀	1997 03 15.41854	12 09 26.11	-02 02 00.8	21.3 V	691	1997 EB ₃₁	1997 03 16.15997	09 59 48.63	+02 11 57.0	18.3 V	691
1997 EU ₃₀	1997 03 15.43977	12 09 25.10	-02 01 54.9	21.0 V	691	1997 EB ₃₁	1997 03 16.18414	09 59 47.61	+02 12 09.9	18.4 V	691
1997 EV ₃₀	* 1997 03 05.41181	12 18 41.57	-02 45 46.9	20.8 V	691	1997 EB ₃₁	1997 03 16.20533	09 59 46.71	+02 12 21.0	18.3 V	691
1997 EV ₃₀	1997 03 05.43289	12 18 40.42	-02 45 43.4	20.7 V	691	1997 EC ₃₁	* 1997 03 08.25386	10 07 38.00	+01 03 40.3	19.4 V	691
1997 EV ₃₀	1997 03 05.45392	12 18 39.30	-02 45 39.7	20.5 V	691	1997 EC ₃₁	1997 03 08.27478	10 07 36.95	+01 03 50.1	19.1 V	691
1997 EV ₃₀	1997 03 15.39465	12 09 23.66	-02 12 16.1	20.6 V	691	1997 EC ₃₁	1997 03 08.29575	10 07 35.91	+01 04 00.3	19.2 V	691

1997 EC ₃₁	1997 03 16.16130	10 01 55.33	+02 06 00.3	19.2 V	691	1997 EM ₃₁	1997 03 10.22831	10 23 14.94	+02 01 59.9	19.8 V	691
1997 EC ₃₁	1997 03 16.18544	10 01 54.34	+02 06 11.8	19.3 V	691	1997 EM ₃₁	1997 03 10.24922	10 23 13.72	+02 02 00.7	19.7 V	691
1997 EC ₃₁	1997 03 16.20665	10 01 53.49	+02 06 21.9	19.3 V	691	1997 EM ₃₁	1997 03 16.17240	10 17 57.26	+02 06 30.7	19.8 V	691
1997 ED ₃₁	* 1997 03 08.25999	10 16 28.84	+01 00 29.3	20.0 V	691	1997 EM ₃₁	1997 03 16.19654	10 17 55.99	+02 06 32.0	20.0 V	691
1997 ED ₃₁	1997 03 08.28091	10 16 28.03	+01 00 39.2	19.7 V	691	1997 EM ₃₁	1997 03 16.21775	10 17 54.89	+02 06 32.5	19.7 V	691
1997 ED ₃₁	1997 03 08.30189	10 16 27.22	+01 00 49.1	19.8 V	691	1997 EN ₃₁	* 1997 03 10.26830	10 23 09.58	+07 38 05.0	19.9 V	691
1997 ED ₃₁	1997 03 16.16814	10 11 47.83	+02 03 02.0	19.9 V	691	1997 EN ₃₁	1997 03 10.30150	10 23 07.34	+07 37 56.5	19.9 V	691
1997 ED ₃₁	1997 03 16.19228	10 11 47.00	+02 03 13.5	19.7 V	691	1997 EN ₃₁	1997 03 10.33008	10 23 05.40	+07 37 49.3	20.2 V	691
1997 ED ₃₁	1997 03 16.21350	10 11 46.28	+02 03 23.5	19.7 V	691	1997 EN ₃₁	1997 03 15.32815	10 17 57.72	+07 15 53.3	20.2 V	691
1997 EE ₃₁	* 1997 03 08.26105	10 18 01.34	+01 21 33.7	18.2 V	691	1997 EN ₃₁	1997 03 15.34940	10 17 56.43	+07 15 47.2	20.4 V	691
1997 EE ₃₁	1997 03 08.28198	10 18 00.46	+01 21 41.5	17.9 V	691	1997 EN ₃₁	1997 03 15.37159	10 17 55.16	+07 15 41.2	20.2 V	691
1997 EE ₃₁	1997 03 08.30295	10 17 59.57	+01 21 49.0	17.9 V	691	1997 EO ₃₁	* 1997 03 10.36825	12 19 20.94	-02 28 24.7	21.4 V	691
1997 EE ₃₁	1997 03 16.16902	10 13 04.30	+02 09 22.7	18.4 V	691	1997 EO ₃₁	1997 03 10.38913	12 19 20.09	-02 28 19.5	21.4 V	691
1997 EE ₃₁	1997 03 16.19316	10 13 03.44	+02 09 31.3	18.5 V	691	1997 EO ₃₁	1997 03 10.41006	12 19 19.27	-02 28 14.4	21.1 V	691
1997 EE ₃₁	1997 03 16.21438	10 13 02.68	+02 09 38.9	18.3 V	691	1997 EO ₃₁	1997 03 15.39919	12 15 57.38	-02 06 35.5	21.2 V	691
1997 EF ₃₁	* 1997 03 09.24317	10 14 00.59	+01 52 02.5	19.1 V	691	1997 EO ₃₁	1997 03 15.42304	12 15 56.36	-02 06 29.1	20.8 V	691
1997 EF ₃₁	1997 03 09.26416	10 13 59.44	+01 52 06.0	19.2 V	691	1997 EO ₃₁	1997 03 15.44428	12 15 55.45	-02 06 23.6	21.1 V	691
1997 EF ₃₁	1997 03 09.28505	10 13 58.29	+01 52 10.2	19.3 V	691	1997 EP ₃₁	* 1997 03 10.37268	12 25 44.08	-02 15 52.1	20.3 V	691
1997 EF ₃₁	1997 03 16.16572	10 08 18.12	+02 13 28.1	19.6 V	691	1997 EP ₃₁	1997 03 10.39355	12 25 43.04	-02 15 49.4	20.4 V	691
1997 EF ₃₁	1997 03 16.18985	10 08 17.00	+02 13 32.4	19.6 V	691	1997 EP ₃₁	1997 03 10.41447	12 25 41.98	-02 15 46.6	20.1 V	691
1997 EF ₃₁	1997 03 16.21107	10 08 16.00	+02 13 36.8	19.2 V	691	1997 EP ₃₁	1997 03 15.40302	12 21 28.74	-02 03 34.3	20.3 V	691
1997 EG ₃₁	* 1997 03 09.30923	10 29 26.12	+07 00 09.7	20.5 V	691	1997 EP ₃₁	1997 03 15.42687	12 21 27.46	-02 03 30.6	20.3 V	691
1997 EG ₃₁	1997 03 09.33039	10 29 25.00	+07 00 15.0	20.4 V	691	1997 EP ₃₁	1997 03 15.44810	12 21 26.31	-02 03 27.2	20.0 V	691
1997 EG ₃₁	1997 03 09.35139	10 29 23.90	+07 00 19.8	20.7 V	691	1997 EP ₃₁	1997 04 08.23325	12 00 04.64	-00 58 30.8	20.3 V	691
1997 EG ₃₁	1997 03 15.33274	10 24 35.77	+07 22 48.8	21.1 V	691	1997 EP ₃₁	1997 04 08.25430	12 00 03.56	-00 58 27.8	20.1 V	691
1997 EG ₃₁	1997 03 15.35400	10 24 34.77	+07 22 53.5	20.9 V	691	1997 EP ₃₁	1997 04 08.27533	12 00 02.46	-00 58 25.2	20.4 V	691
1997 EG ₃₁	1997 03 15.37619	10 24 33.73	+07 22 57.8	21.1 V	691	1997 EP ₃₁	1997 04 09.26054	11 59 14.11	-00 56 05.9	20.3 V	691
1997 EH ₃₁	* 1997 03 09.31281	10 34 36.08	+07 07 35.6	19.5 V	691	1997 EP ₃₁	1997 04 09.27026	11 59 13.62	-00 56 05.0	20.4 V	691
1997 EH ₃₁	1997 03 09.33397	10 34 34.90	+07 07 39.6	19.4 V	691	1997 EP ₃₁	1997 04 09.28372	11 59 12.99	-00 56 02.7	20.2 V	691
1997 EH ₃₁	1997 03 09.35497	10 34 33.74	+07 07 43.3	19.6 V	691	1997 EP ₃₁	1997 04 14.19018	11 55 26.11	-00 45 44.1	20.4 V	691
1997 EH ₃₁	1997 03 15.33605	10 29 22.10	+07 24 47.3	19.5 V	691	1997 EP ₃₁	1997 04 14.21279	11 55 25.10	-00 45 41.9	19.8 V	691
1997 EH ₃₁	1997 03 15.35730	10 29 20.99	+07 24 50.9	19.7 V	691	1997 EP ₃₁	1997 04 14.23449	11 55 24.07	-00 45 39.3	20.2 V	691
1997 EH ₃₁	1997 03 15.37949	10 29 19.85	+07 24 54.4	19.5 V	691	1997 EQ ₃₁	* 1997 03 10.37321	12 26 30.33	-02 20 52.1	21.4 V	691
1997 EJ ₃₁	* 1997 03 09.31394	10 36 14.23	+06 58 40.3	20.8 V	691	1997 EQ ₃₁	1997 03 10.39409	12 26 29.31	-02 20 49.4	21.3 V	691
1997 EJ ₃₁	1997 03 09.33511	10 36 13.28	+06 58 46.2	20.8 V	691	1997 EQ ₃₁	1997 03 10.41501	12 26 28.13	-02 20 46.0	20.8 V	691
1997 EJ ₃₁	1997 03 09.35610	10 36 12.31	+06 58 52.3	20.9 V	691	1997 EQ ₃₁	1997 03 15.40350	12 22 09.99	-02 07 10.7	21.1 V	691
1997 EJ ₃₁	1997 03 15.33783	10 31 56.67	+07 27 07.1	21.0 V	691	1997 EQ ₃₁	1997 03 15.42734	12 22 08.71	-02 07 06.9	20.8 V	691
1997 EJ ₃₁	1997 03 15.35909	10 31 55.78	+07 27 13.2	21.2 V	691	1997 EQ ₃₁	1997 03 15.44858	12 22 07.55	-02 07 03.6	21.0 V	691
1997 EJ ₃₁	1997 03 15.38128	10 31 54.85	+07 27 19.2	21.0 V	691	1997 ER ₃₁	* 1997 03 10.37351	12 26 56.43	-02 20 35.9	19.1 V	691
1997 EK ₃₁	* 1997 03 10.19599	10 07 44.07	+02 05 17.9	19.8 V	691	1997 ER ₃₁	1997 03 10.39439	12 26 55.59	-02 20 30.9	19.1 V	691
1997 EK ₃₁	1997 03 10.21755	10 07 43.00	+02 05 19.8	19.9 V	691	1997 ER ₃₁	1997 03 10.41531	12 26 54.76	-02 20 25.9	19.1 V	691
1997 EK ₃₁	1997 03 10.23847	10 07 41.97	+02 05 21.6	19.6 V	691	1997 ER ₃₁	1997 03 15.40447	12 23 34.09	-01 59 40.2	19.0 V	691
1997 EK ₃₁	1997 03 16.16219	10 03 12.84	+02 14 01.1	20.0 V	691	1997 ER ₃₁	1997 03 15.42832	12 23 33.09	-01 59 34.1	18.9 V	691
1997 EK ₃₁	1997 03 16.18633	10 03 11.78	+02 14 03.5	20.1 V	691	1997 ER ₃₁	1997 03 15.44955	12 23 32.17	-01 59 28.7	18.9 V	691
1997 EK ₃₁	1997 03 16.20754	10 03 10.85	+02 14 05.3	19.9 V	691	1997 ER ₃₁	1997 04 07.21148	12 07 09.62	-00 18 28.5	19.0 V	691
1997 EL ₃₁	* 1997 03 10.19865	10 11 34.64	+02 05 36.1	19.5 V	691	1997 ER ₃₁	1997 04 07.23274	12 07 08.71	-00 18 23.3	19.1 V	691
1997 EL ₃₁	1997 03 10.22021	10 11 33.42	+02 05 36.8	19.5 V	691	1997 ER ₃₁	1997 04 07.25365	12 07 07.82	-00 18 18.1	19.1 V	691
1997 EL ₃₁	1997 03 10.24112	10 11 32.21	+02 05 37.7	19.4 V	691	1997 ER ₃₁	1997 04 08.33462	12 06 23.48	-00 13 47.7	18.9 V	691
1997 EL ₃₁	1997 03 16.16449	10 06 31.26	+02 09 20.1	19.3 V	691	1997 ER ₃₁	1997 04 08.35752	12 06 22.56	-00 13 43.3	19.3 V	691
1997 EL ₃₁	1997 03 16.18862	10 06 30.09	+02 09 21.2	19.3 V	691	1997 ER ₃₁	1997 04 08.38251	12 06 21.51	-00 13 37.3	19.4 V	691
1997 EL ₃₁	1997 03 16.20983	10 06 29.04	+02 09 21.8	19.4 V	691	1997 ER ₃₁	1997 04 16.19537	12 01 24.20	+00 16 22.2	19.1 V	691
1997 EM ₃₁	* 1997 03 10.20675	10 23 16.22	+02 01 59.0	19.9 V	691	1997 ER ₃₁	1997 04 16.21714	12 01 23.39	+00 16 27.2	19.3 V	691

1997 ER ₃₁	1997 04 16.23946	12 01 22.59	+00 16 31.8	19.1 V	691	1997 EZ ₃₁	1997 03 15.39785	12 14 00.57	-02 04 52.9	20.4 V	691
1997 ES ₃₁	* 1997 03 10.37428	12 28 03.16	-02 19 06.5	20.8 V	691	1997 EZ ₃₁	1997 03 15.42169	12 13 59.15	-02 04 42.7	20.2 V	691
1997 ES ₃₁	1997 03 10.39516	12 28 01.91	-02 19 02.8	20.4 V	691	1997 EZ ₃₁	1997 03 15.44292	12 13 57.87	-02 04 33.5	20.2 V	691
1997 ES ₃₁	1997 03 10.41607	12 28 00.63	-02 18 58.9	20.4 V	691	1997 EA ₃₂	* 1997 03 11.42114	12 19 19.65	-02 51 24.3	20.4 V	691
1997 ES ₃₁	1997 03 15.40404	12 22 57.34	-02 03 39.3	20.5 V	691	1997 EA ₃₂	1997 03 11.46956	12 19 17.08	-02 51 03.3	20.1 V	691
1997 ES ₃₁	1997 03 15.42789	12 22 55.79	-02 03 34.8	20.3 V	691	1997 EA ₃₂	1997 03 11.49078	12 19 16.01	-02 50 54.3	20.2 V	691
1997 ES ₃₁	1997 03 15.44912	12 22 54.40	-02 03 30.3	20.2 V	691	1997 EA ₃₂	1997 03 15.39917	12 15 54.99	-02 22 01.4	20.9 V	691
1997 ES ₃₁	1997 04 08.23168	11 57 49.11	-00 43 46.9	20.2 V	691	1997 EA ₃₂	1997 03 15.42301	12 15 53.60	-02 21 49.4	19.6 V	691
1997 ES ₃₁	1997 04 08.25273	11 57 47.83	-00 43 44.1	20.8 V	691	1997 EA ₃₂	1997 03 15.44425	12 15 52.55	-02 21 41.0	19.8 V	691
1997 ES ₃₁	1997 04 08.27376	11 57 46.61	-00 43 40.5	20.7 V	691	1997 EB ₃₂	* 1997 03 11.42165	12 20 03.45	-02 47 08.3	20.7 V	691
1997 ES ₃₁	1997 04 09.25890	11 56 52.36	-00 40 59.0	20.8 V	691	1997 EB ₃₂	1997 03 11.47007	12 20 01.00	-02 46 44.4	21.1 V	691
1997 ES ₃₁	1997 04 09.26862	11 56 51.77	-00 40 57.2	20.6 V	691	1997 EB ₃₂	1997 03 11.49129	12 19 59.94	-02 46 33.7	20.4 V	691
1997 ES ₃₁	1997 04 09.28208	11 56 51.02	-00 40 54.9	20.7 V	691	1997 EB ₃₂	1997 03 15.39976	12 16 46.65	-02 13 09.1	20.0 V	691
1997 ET ₃₁	* 1997 03 10.37430	12 28 05.01	-02 21 12.0	20.0 V	691	1997 EB ₃₂	1997 03 15.42361	12 16 45.42	-02 12 56.3	19.7 V	691
1997 ET ₃₁	1997 03 10.39518	12 28 04.06	-02 21 09.6	19.8 V	691	1997 EB ₃₂	1997 03 15.44484	12 16 44.29	-02 12 45.3	19.9 V	691
1997 ET ₃₁	1997 03 10.41610	12 28 03.11	-02 21 07.4	19.8 V	691	1997 EC ₃₂	* 1997 03 11.42170	12 20 08.24	-02 59 49.4	20.5 V	691
1997 ET ₃₁	1997 03 15.40494	12 24 14.74	-02 11 10.5	19.7 V	691	1997 EC ₃₂	1997 03 11.47013	12 20 06.00	-02 59 26.0	20.7 V	691
1997 ET ₃₁	1997 03 15.42878	12 24 13.59	-02 11 07.5	19.7 V	691	1997 EC ₃₂	1997 03 11.49135	12 20 05.05	-02 59 16.1	20.7 V	691
1997 ET ₃₁	1997 03 15.45002	12 24 12.58	-02 11 04.7	19.7 V	691	1997 EC ₃₂	1997 03 15.40005	12 17 11.31	-02 27 02.4	20.6 V	691
1997 EU ₃₁	* 1997 03 10.37644	12 31 10.54	-02 26 10.8	21.3 V	691	1997 EC ₃₂	1997 03 15.42390	12 17 10.18	-02 26 50.5	20.4 V	691
1997 EU ₃₁	1997 03 10.39732	12 31 09.40	-02 26 04.3	21.4 V	691	1997 EC ₃₂	1997 03 15.44513	12 17 09.22	-02 26 39.7	20.4 V	691
1997 EU ₃₁	1997 03 10.41824	12 31 08.26	-02 25 59.1	21.3 V	691	1997 ED ₃₂	* 1997 03 11.42241	12 21 09.89	-02 59 26.0	20.7 V	691
1997 EU ₃₁	1997 03 15.40658	12 26 37.06	-02 00 33.6	21.4 V	691	1997 ED ₃₂	1997 03 11.47084	12 21 07.65	-02 35 46.2	21.2 V	691
1997 EU ₃₁	1997 03 15.43042	12 26 35.70	-02 00 26.2	21.1 V	691	1997 ED ₃₂	1997 03 11.49206	12 21 06.67	-02 35 37.7	20.6 V	691
1997 EU ₃₁	1997 03 15.45166	12 26 34.45	-02 00 19.1	20.9 V	691	1997 ED ₃₂	1997 03 15.40074	12 18 11.62	-02 10 34.9	20.5 V	691
1997 EV ₃₁	* 1997 03 11.41396	12 08 57.35	-02 37 51.1	18.4 V	691	1997 ED ₃₂	1997 03 15.42459	12 18 10.51	-02 10 25.9	20.8 V	691
1997 EV ₃₁	1997 03 11.46238	12 08 54.90	-02 37 38.0	18.5 V	691	1997 ED ₃₂	1997 03 15.44583	12 18 09.53	-02 10 17.2	20.4 V	691
1997 EV ₃₁	1997 03 11.48360	12 08 53.77	-02 37 32.1	18.3 V	691	1997 EE ₃₂	* 1997 03 11.42296	12 21 56.82	-02 42 57.7	18.0 V	691
1997 EV ₃₁	1997 03 15.39216	12 05 31.91	-02 19 14.1	17.9 V	691	1997 EE ₃₂	1997 03 11.47138	12 21 54.53	-02 42 39.3	18.1 V	691
1997 EV ₃₁	1997 03 15.41605	12 05 30.59	-02 19 07.1	18.0 V	691	1997 EE ₃₂	1997 03 11.49260	12 21 53.55	-02 42 31.4	18.0 V	691
1997 EV ₃₁	1997 03 15.43729	12 05 29.43	-02 19 00.9	17.9 V	691	1997 EE ₃₂	1997 03 15.40123	12 18 54.04	-02 17 04.7	17.9 V	691
1997 EW ₃₁	* 1997 03 11.41397	12 08 58.47	-02 51 10.3	20.0 V	691	1997 EE ₃₂	1997 03 15.42508	12 18 52.85	-02 16 55.1	17.8 V	691
1997 EW ₃₁	1997 03 11.46239	12 08 56.26	-02 50 47.5	20.7 V	691	1997 EE ₃₂	1997 04 07.27069	12 00 29.98	+00 18 52.4	18.1 V	691
1997 EW ₃₁	1997 03 11.48362	12 08 55.25	-02 50 37.1	20.2 V	691	1997 EE ₃₂	1997 04 07.29255	12 00 29.01	+00 19 00.5	18.1 V	691
1997 EW ₃₁	1997 03 15.39228	12 05 53.08	-02 19 11.9	19.7 V	691	1997 EE ₃₂	1997 04 07.31509	12 00 27.98	+00 19 08.7	18.1 V	691
1997 EW ₃₁	1997 03 15.41617	12 05 51.92	-02 19 00.0	19.7 V	691	1997 EE ₃₂	1997 04 13.23275	11 56 41.52	+00 52 23.6	18.2 V	691
1997 EW ₃₁	1997 03 15.43741	12 05 50.87	-02 18 49.5	19.7 V	691	1997 EE ₃₂	1997 04 13.25419	11 56 40.71	+00 52 30.4	18.2 V	691
1997 EX ₃₁	* 1997 03 11.41412	12 09 11.41	-02 51 13.5	18.4 V	691	1997 EE ₃₂	1997 04 13.27580	11 56 39.90	+00 52 36.8	18.4 V	691
1997 EX ₃₁	1997 03 11.46255	12 09 09.46	-02 50 41.8	18.3 V	691	1997 EF ₃₂	* 1997 03 11.42352	12 22 45.51	-02 42 52.6	20.1 V	691
1997 EX ₃₁	1997 03 11.48377	12 09 08.56	-02 50 27.9	18.3 V	691	1997 EF ₃₂	1997 03 11.47194	12 22 42.97	-02 42 38.1	20.5 V	691
1997 EX ₃₁	1997 03 15.39263	12 06 28.50	-02 06 23.2	18.0 V	691	1997 EF ₃₂	1997 03 11.49316	12 22 41.85	-02 42 31.8	20.3 V	691
1997 EX ₃₁	1997 03 15.41648	12 06 27.47	-02 06 06.2	18.1 V	691	1997 EF ₃₂	1997 03 15.40153	12 19 19.96	-02 22 34.1	20.2 V	691
1997 EX ₃₁	1997 03 15.43771	12 06 26.50	-02 05 51.5	18.1 V	691	1997 EF ₃₂	1997 03 15.42538	12 19 18.68	-02 22 26.8	20.2 V	691
1997 EY ₃₁	* 1997 03 11.41815	12 15 00.22	-03 00 41.0	20.6 V	691	1997 EF ₃₂	1997 03 15.44661	12 19 17.53	-02 22 20.6	20.0 V	691
1997 EY ₃₁	1997 03 11.46657	12 14 57.99	-03 00 19.1	20.7 V	691	1997 EF ₃₂	1997 04 08.32886	11 58 04.09	-00 14 37.0	20.2 V	691
1997 EY ₃₁	1997 03 11.48780	12 14 57.08	-03 00 09.6	20.3 V	691	1997 EF ₃₂	1997 04 08.35175	11 58 02.91	-00 14 30.8	20.5 V	691
1997 EY ₃₁	1997 03 15.39655	12 12 08.22	-02 29 41.4	20.2 V	691	1997 EF ₃₂	1997 04 08.37674	11 58 01.68	-00 14 23.0	20.4 V	691
1997 EY ₃₁	1997 03 15.42040	12 12 07.13	-02 29 29.7	20.0 V	691	1997 EF ₃₂	1997 04 12.22128	11 55 00.24	+00 03 54.4	20.6 V	691
1997 EY ₃₁	1997 03 15.44163	12 12 06.16	-02 29 19.7	20.4 V	691	1997 EF ₃₂	1997 04 12.24477	11 54 59.13	+00 04 01.6	20.4 V	691
1997 EZ ₃₁	* 1997 03 11.42005	12 17 45.62	-02 32 18.5	20.3 V	691	1997 EF ₃₂	1997 04 12.26594	11 54 58.14	+00 04 07.0	20.4 V	691
1997 EZ ₃₁	1997 03 11.46847	12 17 42.77	-02 31 59.5	20.4 V	691	1997 EG ₃₂	* 1997 03 11.42407	12 23 33.27	-02 46 42.2	20.6 V	691
1997 EZ ₃₁	1997 03 11.48969	12 17 41.58	-02 31 50.4	20.5 V	691	1997 EG ₃₂	1997 03 11.47249	12 23 30.81	-02 46 26.2	20.7 V	691

1997 EG ₃₂	1997 03 11.49371	12 23 29.75	-02 46 19.3	20.6 V	691	1997 EN ₃₂	1997 03 15.42993	12 25 52.98	-02 20 32.9	18.6 V	691
1997 EG ₃₂	1997 03 15.40216	12 20 14.01	-02 24 17.3	20.4 V	691	1997 EN ₃₂	1997 03 15.45117	12 25 51.89	-02 20 27.8	18.5 V	691
1997 EG ₃₂	1997 03 15.42600	12 20 12.75	-02 24 09.1	20.5 V	691	1997 EN ₃₂	1997 04 09.26445	12 04 52.74	-00 41 20.4	19.0 V	691
1997 EG ₃₂	1997 03 15.44724	12 20 11.62	-02 24 02.2	20.0 V	691	1997 EN ₃₂	1997 04 09.27417	12 04 52.32	-00 41 18.9	18.9 V	691
1997 EH ₃₂	* 1997 03 11.42421	12 23 45.67	-02 34 04.7	21.0 V	691	1997 EN ₃₂	1997 04 09.28763	12 04 51.66	-00 41 15.8	19.0 V	691
1997 EH ₃₂	1997 03 11.47264	12 23 43.53	-02 33 53.2	21.0 V	691	1997 EN ₃₂	1997 04 15.19385	12 00 38.84	-00 22 12.5	19.8 V	691
1997 EH ₃₂	1997 03 11.49386	12 23 42.61	-02 33 48.3	20.6 V	691	1997 EN ₃₂	1997 04 15.21575	12 00 37.94	-00 22 09.0	19.5 V	691
1997 EH ₃₂	1997 03 15.40261	12 20 53.45	-02 18 32.1	21.2 V	691	1997 EN ₃₂	1997 04 15.23731	12 00 37.02	-00 22 05.4	19.5 V	691
1997 EH ₃₂	1997 03 15.42646	12 20 52.40	-02 18 26.9	20.8 V	691	1997 EO ₃₂	* 1997 03 11.42801	12 29 14.54	-02 37 31.8	19.9 V	691
1997 EH ₃₂	1997 03 15.44770	12 20 51.41	-02 18 21.8	21.2 V	691	1997 EO ₃₂	1997 03 11.47643	12 29 12.33	-02 37 16.8	20.2 V	691
1997 EH ₃₂	1997 04 09.26275	12 02 26.05	-00 37 16.2	21.1 V	691	1997 EO ₃₂	1997 03 11.49766	12 29 11.34	-02 37 09.8	19.8 V	691
1997 EH ₃₂	1997 04 09.27248	12 02 25.73	-00 37 14.2	21.5 V	691	1997 EO ₃₂	1997 03 15.40626	12 26 09.63	-02 16 02.5	19.7 V	691
1997 EH ₃₂	1997 04 09.28594	12 02 25.13	-00 37 11.1	21.3 V	691	1997 EO ₃₂	1997 03 15.43011	12 26 08.45	-02 15 54.8	19.6 V	691
1997 EJ ₃₂	* 1997 03 11.42527	12 25 17.23	-02 44 50.3	20.2 V	691	1997 EO ₃₂	1997 03 15.45134	12 26 07.39	-02 15 47.6	19.5 V	691
1997 EJ ₃₂	1997 03 11.47369	12 25 15.00	-02 44 39.8	20.7 V	691	1997 EO ₃₂	1997 04 07.21123	12 06 48.06	-00 02 44.8	19.8 V	691
1997 EJ ₃₂	1997 03 11.49492	12 25 14.04	-02 44 35.3	20.3 V	691	1997 EO ₃₂	1997 04 07.23249	12 06 46.97	-00 02 37.8	19.6 V	691
1997 EJ ₃₂	1997 03 15.40355	12 22 14.70	-02 30 19.4	20.2 V	691	1997 EO ₃₂	1997 04 07.25339	12 06 45.91	-00 02 30.8	19.7 V	691
1997 EJ ₃₂	1997 03 15.42740	12 22 13.55	-02 30 14.0	20.2 V	691	1997 EO ₃₂	1997 04 12.22675	12 02 53.60	+00 23 51.6	20.3 V	691
1997 EJ ₃₂	1997 03 15.44863	12 22 12.50	-02 30 09.3	20.0 V	691	1997 EO ₃₂	1997 04 12.25024	12 02 52.52	+00 23 58.6	20.0 V	691
1997 EJ ₃₂	1997 04 08.23549	12 03 18.95	-00 57 44.9	20.2 V	691	1997 EO ₃₂	1997 04 12.27141	12 02 51.51	+00 24 05.2	20.0 V	691
1997 EJ ₃₂	1997 04 08.25654	12 03 18.01	-00 57 40.3	20.6 V	691	1997 EO ₃₂	1997 04 16.28694	12 00 00.61	+00 43 26.5	20.0 V	691
1997 EJ ₃₂	1997 04 08.27758	12 03 17.08	-00 57 35.9	20.3 V	691	1997 EO ₃₂	1997 04 16.30859	11 59 59.74	+00 43 32.6	19.9 V	691
1997 EJ ₃₂	1997 04 09.26285	12 02 34.69	-00 54 09.5	20.3 V	691	1997 EO ₃₂	1997 04 16.33105	11 59 58.80	+00 43 38.4	19.7 V	691
1997 EJ ₃₂	1997 04 09.27257	12 02 34.29	-00 54 07.8	20.3 V	691	1997 EP ₃₂	* 1997 03 11.42845	12 29 52.44	-02 48 00.1	19.0 V	691
1997 EJ ₃₂	1997 04 09.28604	12 02 33.70	-00 54 04.9	20.4 V	691	1997 EP ₃₂	1997 03 11.47687	12 29 50.34	-02 47 32.2	19.2 V	691
1997 EJ ₃₂	1997 04 14.19282	11 59 15.18	-00 38 12.3	20.6 V	691	1997 EP ₃₂	1997 03 11.49810	12 29 49.39	-02 47 20.0	19.0 V	691
1997 EJ ₃₂	1997 04 14.21544	11 59 14.28	-00 38 07.8	20.3 V	691	1997 EP ₃₂	1997 03 15.40680	12 26 56.21	-02 09 08.3	19.0 V	691
1997 EJ ₃₂	1997 04 14.23714	11 59 13.42	-00 38 03.5	20.4 V	691	1997 EP ₃₂	1997 03 15.43065	12 26 55.09	-02 08 54.4	19.0 V	691
1997 EK ₃₂	* 1997 03 11.42599	12 26 19.53	-02 47 09.5	20.4 V	691	1997 EP ₃₂	1997 03 15.45188	12 26 54.09	-02 08 41.7	18.8 V	691
1997 EK ₃₂	1997 03 11.47442	12 26 17.59	-02 46 55.7	21.1 V	691	1997 EQ ₃₂	* 1997 03 11.42952	12 31 25.31	-02 38 33.2	19.4 V	691
1997 EK ₃₂	1997 03 11.49564	12 26 16.72	-02 46 50.5	20.5 V	691	1997 EQ ₃₂	1997 03 11.47794	12 31 22.57	-02 38 23.6	19.4 V	691
1997 EK ₃₂	1997 03 15.40451	12 23 37.61	-02 28 15.4	20.9 V	691	1997 EQ ₃₂	1997 03 11.49916	12 31 21.35	-02 38 19.8	19.6 V	691
1997 EK ₃₂	1997 03 15.42836	12 23 36.56	-02 28 08.3	20.7 V	691	1997 EQ ₃₂	1997 03 15.40724	12 27 34.12	-02 25 00.8	19.2 V	691
1997 EK ₃₂	1997 03 15.44959	12 23 35.63	-02 28 02.1	20.9 V	691	1997 EQ ₃₂	1997 03 15.43108	12 27 32.64	-02 24 55.9	19.1 V	691
1997 EL ₃₂	* 1997 03 11.42628	12 26 44.40	-02 46 34.9	20.8 V	691	1997 EQ ₃₂	1997 03 15.45231	12 27 31.32	-02 24 51.4	19.2 V	691
1997 EL ₃₂	1997 03 11.47470	12 26 42.28	-02 46 16.8	21.3 V	691	1997 EQ ₃₂	1997 04 08.23474	12 02 13.70	-00 53 09.5	19.4 V	691
1997 EL ₃₂	1997 03 11.49593	12 26 41.37	-02 46 09.7	21.3 V	691	1997 EQ ₃₂	1997 04 08.25579	12 02 12.41	-00 53 05.0	19.1 V	691
1997 EL ₃₂	1997 03 15.40465	12 23 49.62	-02 22 05.7	21.2 V	691	1997 EQ ₃₂	1997 04 08.27682	12 02 11.07	-00 53 00.6	19.3 V	691
1997 EL ₃₂	1997 03 15.42849	12 23 48.46	-02 21 56.2	20.9 V	691	1997 EQ ₃₂	1997 04 09.26189	12 01 11.79	-00 49 32.9	19.3 V	691
1997 EL ₃₂	1997 04 07.27445	12 05 55.07	+00 06 32.7	21.2 V	691	1997 EQ ₃₂	1997 04 09.27161	12 01 11.16	-00 49 30.9	19.1 V	691
1997 EL ₃₂	1997 04 07.29631	12 05 54.09	+00 06 40.6	20.9 V	691	1997 EQ ₃₂	1997 04 09.28507	12 01 10.38	-00 49 28.0	19.2 V	691
1997 EL ₃₂	1997 04 07.31885	12 05 53.06	+00 06 49.0	21.4 V	691	1997 EQ ₃₂	1997 04 14.19091	11 56 29.96	-00 33 37.9	19.4 V	691
1997 EM ₃₂	* 1997 03 11.42697	12 27 44.76	-02 41 27.4	20.9 V	691	1997 EQ ₃₂	1997 04 14.21353	11 56 28.68	-00 33 33.7	19.3 V	691
1997 EM ₃₂	1997 03 11.47539	12 27 41.87	-02 41 16.0	21.1 V	691	1997 EQ ₃₂	1997 04 14.23523	11 56 27.45	-00 33 29.8	19.2 V	691
1997 EM ₃₂	1997 03 11.49661	12 27 40.61	-02 41 11.1	20.8 V	691	1997 ER ₃₂	* 1997 03 11.46382	12 10 59.59	-02 47 55.9	19.7 V	691
1997 EM ₃₂	1997 03 15.40462	12 23 47.59	-02 25 21.5	20.6 V	691	1997 ER ₃₂	1997 03 11.48504	12 10 58.63	-02 47 43.9	19.4 V	691
1997 EM ₃₂	1997 03 15.42847	12 23 46.08	-02 25 15.5	20.5 V	691	1997 ER ₃₂	1997 03 15.39373	12 08 03.94	-02 10 20.8	19.4 V	691
1997 EM ₃₂	1997 03 15.44970	12 23 44.76	-02 25 10.4	20.4 V	691	1997 ER ₃₂	1997 03 15.41758	12 08 02.84	-02 10 06.6	19.5 V	691
1997 EN ₃₂	* 1997 03 11.42794	12 29 08.50	-02 35 46.0	19.2 V	691	1997 ER ₃₂	1997 03 15.43881	12 08 01.85	-02 09 54.3	19.3 V	691
1997 EN ₃₂	1997 03 11.47636	12 29 06.16	-02 35 35.2	19.1 V	691	1997 ES ₃₂	* 1997 03 11.46742	12 16 11.79	-02 37 19.4	20.6 V	691
1997 EN ₃₂	1997 03 11.49759	12 29 05.11	-02 35 30.8	18.9 V	691	1997 ES ₃₂	1997 03 11.48865	12 16 10.84	-02 37 09.0	20.4 V	691
1997 EN ₃₂	1997 03 15.40608	12 25 54.22	-02 20 38.2	18.6 V	691	1997 ES ₃₂	1997 03 15.39741	12 13 22.41	-02 03 50.1	20.3 V	691

1997 ES ₃₂	1997 03 15.42126	12 13 21.38	-02 03 37.9	19.5 V	691	1997 FJ ₁	1997 04 13.23226	11 55 59.57	+00 47 02.1	18.5 V	691
1997 ES ₃₂	1997 03 15.44249	12 13 20.29	-02 03 26.2	19.8 V	691	1997 FJ ₁	1997 04 13.25371	11 55 58.80	+00 47 13.8	19.0 V	691
1997 ET ₃₂	* 1997 03 11.46832	12 17 29.21	-02 46 15.0	20.7 V	691	1997 FJ ₁	1997 04 13.27532	11 55 58.04	+00 47 25.0	19.3 V	691
1997 ET ₃₂	1997 03 11.48954	12 17 28.35	-02 46 09.6	20.2 V	691	1997 FM ₁	1997 04 02.18776	12 02 58.52	-00 33 36.1	17.0 V	691
1997 ET ₃₂	1997 03 15.39846	12 14 53.85	-02 25 58.1	20.9 V	691	1997 FM ₁	1997 04 02.21447	12 02 57.48	-00 32 53.1	17.0 V	691
1997 ET ₃₂	1997 03 15.42231	12 14 52.86	-02 25 50.6	20.4 V	691	1997 FP ₁	1997 02 06.47872	11 54 05.75	+05 32 24.4	18.5 V	691
1997 ET ₃₂	1997 03 15.44355	12 14 51.98	-02 25 43.5	20.0 V	691	1997 FP ₁	1997 02 06.49991	11 54 05.35	+05 32 38.5	18.4 V	691
1997 ET ₃₂	1997 04 07.20626	11 59 37.70	-00 24 44.7	20.6 V	691	1997 FP ₁	1997 02 06.52123	11 54 04.99	+05 32 53.0	18.4 V	691
1997 ET ₃₂	1997 04 07.22752	11 59 36.82	-00 24 37.9	20.9 V	691	1997 FS ₁	* 1997 03 30.39503	14 40 19.76	+03 06 26.5	19.7 V	691
1997 ET ₃₂	1997 04 07.24843	11 59 36.07	-00 24 31.9	20.7 V	691	1997 FS ₁	1997 03 30.41668	14 40 19.09	+03 06 34.6	20.0 V	691
1997 ET ₃₂	1997 04 08.32946	11 58 56.25	-00 19 09.4	20.6 V	691	1997 FS ₁	1997 03 30.43770	14 40 18.47	+03 06 42.7	20.1 V	691
1997 ET ₃₂	1997 04 08.35236	11 58 55.38	-00 19 02.6	20.8 V	691	1997 FS ₁	1997 04 07.43798	14 35 57.67	+03 56 23.2	20.0 V	691
1997 ET ₃₂	1997 04 08.37735	11 58 54.44	-00 18 54.7	21.0 V	691	1997 FS ₁	1997 04 07.46366	14 35 56.69	+03 56 32.7	19.9 V	691
1997 EV ₃₄	1997 01 02.48668	09 44 24.34	+13 05 12.4	19.6 V	691	1997 FS ₁	1997 04 07.48900	14 35 55.73	+03 56 41.8	19.8 V	691
1997 EV ₃₄	1997 01 02.51702	09 44 24.03	+13 05 17.7	19.8 V	691	1997 FT ₁	* 1997 03 30.39557	14 41 07.18	+03 06 15.6	19.2 V	691
1997 EV ₃₄	1997 01 02.54743	09 44 23.66	+13 05 23.9	19.3 V	691	1997 FT ₁	1997 03 30.41722	14 41 06.41	+03 06 23.6	19.3 V	691
1997 ES ₄₀	1997 04 15.18904	11 53 42.20	-00 14 13.7	19.0 V	691	1997 FT ₁	1997 03 30.43825	14 41 05.66	+03 06 31.4	19.2 V	691
1997 ES ₄₀	1997 04 15.21094	11 53 41.33	-00 14 05.5	18.8 V	691	1997 FT ₁	1997 04 07.43795	14 35 54.76	+03 54 41.7	19.2 V	691
1997 ES ₄₀	1997 04 15.23250	11 53 40.46	-00 13 57.4	18.8 V	691	1997 FT ₁	1997 04 07.46362	14 35 53.64	+03 54 51.5	19.0 V	691
1997 ET ₄₁	1997 03 03.38612	10 14 37.78	+07 39 06.4	18.5 V	691	1997 FT ₁	1997 04 07.48897	14 35 52.52	+03 54 59.7	19.0 V	691
1997 ET ₄₁	1997 03 03.40761	10 14 36.53	+07 39 13.0	18.6 V	691	1997 FT ₁	1997 04 10.37214	14 33 45.31	+04 11 27.7	19.3 V	691
1997 ET ₄₁	1997 03 03.42877	10 14 35.30	+07 39 19.4	18.5 V	691	1997 FT ₁	1997 04 10.39346	14 33 44.29	+04 11 34.9	19.4 V	691
1997 EV ₄₁	1997 03 03.38457	10 12 23.73	+07 38 41.7	18.8 V	691	1997 FT ₁	1997 04 10.41468	14 33 43.30	+04 11 41.8	19.4 V	691
1997 EV ₄₁	1997 03 03.40607	10 12 22.40	+07 38 46.6	18.6 V	691	1997 FU ₁	* 1997 03 30.39618	14 41 59.58	+03 00 37.5	19.1 V	691
1997 EV ₄₁	1997 03 03.42722	10 12 21.13	+07 38 51.6	18.6 V	691	1997 FU ₁	1997 03 30.41783	14 41 58.89	+03 00 42.7	18.8 V	691
1997 EJ ₄₂	1997 03 03.38405	10 11 05.62	+07 36 37.4	19.2 V	691	1997 FU ₁	1997 03 30.43886	14 41 58.22	+03 00 47.6	19.0 V	691
1997 EJ ₄₂	1997 03 03.40555	10 11 04.45	+07 36 46.8	19.3 V	691	1997 FU ₁	1997 04 07.43896	14 37 22.38	+03 32 10.5	19.5 V	691
1997 EJ ₄₂	1997 03 03.42670	10 11 03.34	+07 36 55.9	19.2 V	691	1997 FU ₁	1997 04 07.46464	14 37 21.42	+03 32 16.7	19.1 V	691
1997 EH ₄₆	1997 02 03.36986	10 18 44.88	+10 08 26.7	19.5 V	691	1997 FU ₁	1997 04 07.48998	14 37 20.41	+03 32 22.1	19.3 V	691
1997 EH ₄₆	1997 02 03.39122	10 18 43.66	+10 08 30.0	19.7 V	691	1997 FU ₁	1997 04 14.38701	14 32 42.90	+03 56 37.0	18.9 V	691
1997 EH ₄₆	1997 02 03.41241	10 18 42.50	+10 08 32.4	19.3 V	691	1997 FU ₁	1997 04 14.40993	14 32 41.98	+03 56 41.6	18.9 V	691
1997 FR	1997 03 10.37202	12 24 47.26	-02 25 28.2	18.6 V	691	1997 FU ₁	1997 04 14.43123	14 32 40.97	+03 56 45.3	19.0 V	691
1997 FR	1997 03 10.39290	12 24 46.13	-02 25 25.2	18.6 V	691	1997 FU ₁	1997 04 16.37367	14 31 17.81	+04 02 54.2	19.2 V	691
1997 FR	1997 03 10.41382	12 24 45.01	-02 25 21.8	18.4 V	691	1997 FU ₁	1997 04 16.39562	14 31 16.83	+04 02 58.3	19.3 V	691
1997 FR	1997 04 08.23128	11 57 14.39	-00 51 31.9	18.6 V	691	1997 FU ₁	1997 04 16.41733	14 31 15.88	+04 03 02.4	19.3 V	691
1997 FR	1997 04 08.25233	11 57 13.27	-00 51 28.6	18.5 V	691	1997 FV ₁	* 1997 03 30.45916	14 38 11.84	+03 42 27.7	21.1 V	691
1997 FR	1997 04 08.27337	11 57 12.13	-00 51 25.1	18.5 V	691	1997 FV ₁	1997 03 30.47773	14 38 10.97	+03 42 29.3	20.9 V	691
1997 FR	1997 04 09.25856	11 56 22.77	-00 48 44.3	18.6 V	691	1997 FV ₁	1997 03 30.49525	14 38 10.17	+03 42 30.1	21.6 V	691
1997 FR	1997 04 09.26828	11 56 22.26	-00 48 42.4	18.6 V	691	1997 FV ₁	1997 04 07.43498	14 31 37.57	+03 49 29.4	21.0 V	691
1997 FR	1997 04 09.28174	11 56 21.56	-00 48 40.2	18.6 V	691	1997 FV ₁	1997 04 07.46065	14 31 36.13	+03 49 30.2	20.6 V	691
1997 FR	1997 04 14.18822	11 52 36.92	-00 37 09.1	18.8 V	691	1997 FV ₁	1997 04 07.48599	14 31 34.70	+03 49 30.7	20.8 V	691
1997 FR	1997 04 14.21084	11 52 35.92	-00 37 07.2	18.5 V	691	1997 FS ₄	1997 04 13.39379	14 41 54.49	+03 11 12.5	17.0 V	691
1997 FR	1997 04 14.23254	11 52 34.95	-00 37 04.2	18.6 V	691	1997 FS ₄	1997 04 13.41547	14 41 52.63	+03 11 01.8	17.2 V	691
1997 FY	1997 04 14.19744	12 05 55.27	-00 48 58.3	17.3 V	691	1997 FS ₄	1997 04 13.43738	14 41 50.75	+03 10 50.6	17.3 V	691
1997 FY	1997 04 14.22006	12 05 54.33	-00 48 53.3	17.2 V	691	1997 FT ₄	* 1997 03 30.38877	14 31 18.20	+03 18 48.5	20.0 V	691
1997 FY	1997 04 14.24176	12 05 53.44	-00 48 48.4	17.4 V	691	1997 FT ₄	1997 03 30.41043	14 31 17.61	+03 18 59.3	20.0 V	691
1997 FZ	1997 04 14.19908	12 08 17.65	-00 55 35.0	18.5 V	691	1997 FT ₄	1997 03 30.43145	14 31 16.99	+03 19 09.2	19.9 V	691
1997 FZ	1997 04 14.22170	12 08 16.80	-00 55 29.3	18.4 V	691	1997 FT ₄	1997 04 10.44210	14 25 34.47	+04 45 00.8	20.0 V	691
1997 FZ	1997 04 14.24341	12 08 15.98	-00 55 24.2	18.5 V	691	1997 FT ₄	1997 04 10.46361	14 25 33.68	+04 45 10.6	20.3 V	691
1997 FJ ₁	1997 04 07.20626	11 59 37.89	-00 09 13.8	19.2 V	691	1997 FT ₄	1997 04 10.48488	14 25 32.95	+04 45 21.4	20.2 V	691
1997 FJ ₁	1997 04 07.22753	11 59 36.99	-00 09 01.6	18.7 V	691	1997 FU ₄	* 1997 03 30.38920	14 31 55.05	+03 03 10.6	20.4 V	691
1997 FJ ₁	1997 04 07.24843	11 59 36.19	-00 08 49.4	18.4 V	691	1997 FU ₄	1997 03 30.41085	14 31 54.41	+03 03 21.4	20.3 V	691

1997 FU ₄	1997 03 30.43188	14 31 53.78	+03 03 31.5	20.6 V	691	1997 GA ₁	1997 04 07.22106	11 50 16.48	-00 25 00.8	19.1 V	691
1997 FU ₄	1997 04 10.36673	14 25 56.43	+04 30 22.8	20.5 V	691	1997 GA ₁	1997 04 07.24196	11 50 15.63	-00 24 56.9	19.2 V	691
1997 FU ₄	1997 04 10.40927	14 25 54.80	+04 30 41.7	20.5 V	691	1997 GB ₁	* 1997 04 02.18241	11 55 14.90	-00 46 27.9	20.6 V	691
1997 FV ₄	* 1997 03 30.38921	14 31 55.86	+03 04 50.7	19.5 V	691	1997 GB ₁	1997 04 02.20912	11 55 13.51	-00 46 14.8	20.4 V	691
1997 FV ₄	1997 03 30.41086	14 31 55.21	+03 05 03.5	19.5 V	691	1997 GB ₁	1997 04 02.23082	11 55 12.36	-00 46 04.8	20.8 V	691
1997 FV ₄	1997 03 30.43189	14 31 54.58	+03 05 16.2	19.5 V	691	1997 GB ₁	1997 04 07.20048	11 51 17.44	-00 09 04.7	20.7 V	691
1997 FV ₄	1997 04 10.44219	14 25 41.96	+04 52 10.4	19.6 V	691	1997 GB ₁	1997 04 07.22175	11 51 16.46	-00 08 55.3	20.8 V	691
1997 FV ₄	1997 04 10.46370	14 25 41.10	+04 52 22.2	19.6 V	691	1997 GB ₁	1997 04 07.24265	11 51 15.47	-00 08 46.1	20.5 V	691
1997 FV ₄	1997 04 10.48497	14 25 40.26	+04 52 35.6	19.5 V	691	1997 GC ₁	* 1997 04 02.18393	11 57 26.22	-00 53 56.4	20.6 V	691
1997 FW ₄	* 1997 03 30.39024	14 33 25.54	+03 25 13.7	19.2 V	691	1997 GC ₁	1997 04 02.21063	11 57 24.95	-00 53 45.7	20.5 V	691
1997 FW ₄	1997 03 30.41190	14 33 24.89	+03 25 24.3	19.1 V	691	1997 GC ₁	1997 04 02.23234	11 57 23.72	-00 53 38.1	20.4 V	691
1997 FW ₄	1997 03 30.43292	14 33 24.24	+03 25 34.4	19.3 V	691	1997 GC ₁	1997 04 07.20220	11 53 45.69	-00 24 14.8	20.4 V	691
1997 FW ₄	1997 04 10.44302	14 26 54.27	+04 50 55.3	19.5 V	691	1997 GC ₁	1997 04 07.22346	11 53 44.81	-00 24 08.0	20.5 V	691
1997 FW ₄	1997 04 10.46453	14 26 53.31	+04 51 04.5	19.5 V	691	1997 GC ₁	1997 04 07.24437	11 53 43.86	-00 24 01.0	20.4 V	691
1997 FW ₄	1997 04 10.48580	14 26 52.40	+04 51 14.9	19.3 V	691	1997 GC ₁	1997 04 12.21825	11 50 38.01	+00 02 03.1	20.4 V	691
1997 FX ₄	* 1997 03 30.39436	14 39 21.94	+03 19 04.3	19.3 V	691	1997 GC ₁	1997 04 12.24174	11 50 37.09	+00 02 10.7	20.9 V	691
1997 FX ₄	1997 03 30.41601	14 39 21.24	+03 19 13.6	19.2 V	691	1997 GC ₁	1997 04 12.26292	11 50 36.33	+00 02 16.8	21.0 V	691
1997 FX ₄	1997 03 30.43704	14 39 20.59	+03 19 22.7	19.2 V	691	1997 GD ₁	* 1997 04 02.18439	11 58 06.22	-00 34 43.7	20.6 V	691
1997 FX ₄	1997 04 10.44710	14 32 47.75	+04 35 30.8	19.1 V	691	1997 GD ₁	1997 04 02.21110	11 58 05.04	-00 34 32.4	20.8 V	691
1997 FX ₄	1997 04 10.46861	14 32 46.83	+04 35 38.9	19.2 V	691	1997 GD ₁	1997 04 02.23281	11 58 03.87	-00 34 23.2	20.7 V	691
1997 FX ₄	1997 04 10.48988	14 32 45.90	+04 35 48.2	18.7 V	691	1997 GD ₁	1997 04 07.20269	11 54 28.90	-00 01 32.9	20.7 V	691
1997 FY ₄	* 1997 03 30.39167	14 35 28.72	+03 07 16.5	20.3 V	691	1997 GD ₁	1997 04 07.22396	11 54 28.03	-00 01 25.0	20.7 V	691
1997 FY ₄	1997 03 30.41332	14 35 27.98	+03 07 23.1	20.3 V	691	1997 GD ₁	1997 04 07.24486	11 54 27.08	-00 01 17.1	20.8 V	691
1997 FY ₄	1997 03 30.43434	14 35 27.26	+03 07 29.4	20.6 V	691	1997 GE ₁	* 1997 04 02.18604	12 00 29.00	-00 54 50.4	20.3 V	691
1997 FY ₄	1997 04 10.36860	14 28 38.15	+04 00 41.6	20.6 V	691	1997 GE ₁	1997 04 02.21274	12 00 27.58	-00 54 40.1	20.6 V	691
1997 FY ₄	1997 04 10.38992	14 28 37.25	+04 00 46.7	20.6 V	691	1997 GE ₁	1997 04 02.23445	12 00 26.26	-00 54 32.0	20.6 V	691
1997 FY ₄	1997 04 10.41113	14 28 36.35	+04 00 53.0	20.6 V	691	1997 GE ₁	1997 04 07.20391	11 56 14.13	-00 23 29.5	20.6 V	691
1997 FY ₄	1997 04 16.36884	14 24 18.71	+04 26 05.5	20.3 V	691	1997 GE ₁	1997 04 07.22517	11 56 13.03	-00 23 21.8	20.6 V	691
1997 FY ₄	1997 04 16.39078	14 24 17.68	+04 26 10.5	20.5 V	691	1997 GE ₁	1997 04 07.24608	11 56 12.03	-00 23 14.7	20.7 V	691
1997 FY ₄	1997 04 16.41249	14 24 16.67	+04 26 15.6	20.3 V	691	1997 GE ₁	1997 04 08.32696	11 55 19.78	-00 16 46.3	20.6 V	691
1997 GM	1997 03 04.39188	12 27 34.01	-02 24 50.8	19.5 V	691	1997 GE ₁	1997 04 08.34985	11 55 18.65	-00 16 38.3	20.3 V	691
1997 GM	1997 03 04.41535	12 27 32.85	-02 24 44.9	19.7 V	691	1997 GE ₁	1997 04 08.37484	11 55 17.42	-00 16 29.1	20.5 V	691
1997 GM	1997 03 04.43654	12 27 31.84	-02 24 39.6	19.7 V	691	1997 GE ₁	1997 04 12.21945	11 52 21.88	+00 05 29.5	20.6 V	691
1997 GM	1997 04 07.26836	11 57 08.14	+00 25 10.3	19.3 V	691	1997 GE ₁	1997 04 12.24294	11 52 20.84	+00 05 37.0	20.6 V	691
1997 GM	1997 04 07.29022	11 57 07.02	+00 25 16.5	19.3 V	691	1997 GE ₁	1997 04 12.26411	11 52 19.86	+00 05 44.0	20.6 V	691
1997 GM	1997 04 07.31276	11 57 05.84	+00 25 22.5	19.3 V	691	1997 GE ₁	1997 04 16.18721	11 49 37.90	+00 26 18.8	20.9 V	691
1997 GM	1997 04 13.22984	11 52 29.15	+00 50 33.2	19.2 V	691	1997 GE ₁	1997 04 16.20898	11 49 36.95	+00 26 25.6	20.3 V	691
1997 GM	1997 04 13.25128	11 52 28.19	+00 50 38.1	19.3 V	691	1997 GE ₁	1997 04 16.23130	11 49 36.07	+00 26 32.4	20.7 V	691
1997 GM	1997 04 13.27288	11 52 27.20	+00 50 43.3	19.7 V	691	1997 GF ₁	* 1997 04 02.18605	12 00 30.36	-00 47 10.0	18.3 V	691
1997 GM	1997 04 16.28025	11 50 21.23	+01 01 59.1	19.4 V	691	1997 GF ₁	1997 04 02.21276	12 00 29.02	-00 47 03.8	18.2 V	691
1997 GM	1997 04 16.30190	11 50 20.33	+01 02 03.6	19.2 V	691	1997 GF ₁	1997 04 02.23447	12 00 27.69	-00 46 59.2	18.3 V	691
1997 GM	1997 04 16.32436	11 50 19.39	+01 02 08.5	19.3 V	691	1997 GF ₁	1997 04 07.20404	11 56 25.86	-00 29 31.5	18.4 V	691
1997 GZ	* 1997 04 02.18052	11 52 31.35	-00 58 19.1	20.4 V	691	1997 GF ₁	1997 04 07.22531	11 56 24.79	-00 29 27.4	18.4 V	691
1997 GZ	1997 04 02.20723	11 52 29.75	-00 58 06.3	20.8 V	691	1997 GF ₁	1997 04 07.24621	11 56 23.83	-00 29 23.3	18.4 V	691
1997 GZ	1997 04 02.22893	11 52 28.48	-00 57 56.5	20.1 V	691	1997 GF ₁	1997 04 08.32712	11 55 33.86	-00 25 49.9	18.5 V	691
1997 GZ	1997 04 07.19825	11 47 59.94	-00 21 59.8	20.4 V	691	1997 GF ₁	1997 04 08.35002	11 55 32.80	-00 25 45.8	18.6 V	691
1997 GZ	1997 04 07.21952	11 47 58.79	-00 21 50.5	20.5 V	691	1997 GF ₁	1997 04 08.37500	11 55 31.63	-00 25 40.8	18.6 V	691
1997 GZ	1997 04 07.24043	11 47 57.66	-00 21 40.9	20.0 V	691	1997 GG ₁	* 1997 04 02.19090	12 07 30.61	-00 40 08.4	19.7 V	691
1997 GA ₁	* 1997 04 02.18131	11 53 39.94	-00 41 56.5	19.3 V	691	1997 GG ₁	1997 04 02.21761	12 07 29.50	-00 39 47.5	20.1 V	691
1997 GA ₁	1997 04 02.20802	11 53 38.80	-00 41 50.2	19.2 V	691	1997 GG ₁	1997 04 02.23933	12 07 28.35	-00 39 29.6	20.0 V	691
1997 GA ₁	1997 04 02.22973	11 53 37.88	-00 41 45.7	19.1 V	691	1997 GG ₁	1997 04 07.27319	12 04 06.33	+00 27 35.7	20.0 V	691
1997 GA ₁	1997 04 07.19979	11 50 17.31	-00 25 05.3	19.3 V	691	1997 GG ₁	1997 04 07.29505	12 04 05.45	+00 27 53.0	19.9 V	691

1997 GG ₁	1997 04 07.31759	12 04 04.52	+00 28 11.0	19.9 V	691	1997 GS ₁	1997 04 12.21657	11 48 12.07	+00 07 35.0	20.7 V	691
1997 GG ₁	1997 04 09.30822	12 02 49.54	+00 53 57.4	20.0 V	691	1997 GS ₁	1997 04 12.24006	11 48 11.14	+00 07 41.9	20.6 V	691
1997 GG ₁	1997 04 09.33017	12 02 48.67	+00 54 14.3	20.4 V	691	1997 GS ₁	1997 04 12.26123	11 48 10.28	+00 07 47.4	20.6 V	691
1997 GG ₁	1997 04 09.35194	12 02 47.86	+00 54 31.2	20.2 V	691	1997 GT ₁	1997 03 11.41871	12 15 49.55	-02 47 09.5	19.6 V	691
1997 GH ₁	1997 03 15.40489	12 24 10.61	-02 29 36.6	19.5 V	691	1997 GT ₁	1997 03 11.46714	12 15 47.03	-02 46 53.5	19.8 V	691
1997 GH ₁	1997 03 15.42874	12 24 09.45	-02 29 28.1	19.5 V	691	1997 GT ₁	1997 03 11.48836	12 15 45.99	-02 46 46.4	19.7 V	691
1997 GH ₁	* 1997 04 02.19231	12 09 32.53	-00 39 47.0	19.8 V	691	1997 GT ₁	* 1997 04 02.18405	11 57 37.18	-00 36 36.7	19.8 V	691
1997 GH ₁	1997 04 02.21902	12 09 31.23	-00 39 38.3	19.6 V	691	1997 GT ₁	1997 04 02.21076	11 57 35.88	-00 36 27.0	20.3 V	691
1997 GH ₁	1997 04 02.24073	12 09 30.06	-00 39 30.0	19.6 V	691	1997 GT ₁	1997 04 02.23247	11 57 34.66	-00 36 19.7	20.0 V	691
1997 GH ₁	1997 04 07.21038	12 05 34.95	-00 10 02.0	19.6 V	691	1997 GT ₁	1997 04 08.32530	11 52 55.73	-00 01 57.4	20.3 V	691
1997 GH ₁	1997 04 07.23165	12 05 33.91	-00 09 54.7	19.7 V	691	1997 GT ₁	1997 04 08.34819	11 52 54.72	-00 01 50.3	20.4 V	691
1997 GH ₁	1997 04 07.25255	12 05 32.92	-00 09 47.5	19.7 V	691	1997 GT ₁	1997 04 08.37318	11 52 53.57	-00 01 41.9	20.4 V	691
1997 GH ₁	1997 04 08.33347	12 04 43.55	-00 03 36.5	19.6 V	691	1997 GT ₁	1997 04 12.21799	11 50 14.96	+00 18 12.5	19.8 V	691
1997 GH ₁	1997 04 08.35636	12 04 42.49	-00 03 28.8	19.8 V	691	1997 GT ₁	1997 04 12.24148	11 50 14.01	+00 18 19.7	20.0 V	691
1997 GH ₁	1997 04 08.38135	12 04 41.32	-00 03 20.6	20.0 V	691	1997 GT ₁	1997 04 12.26265	11 50 13.10	+00 18 26.1	19.8 V	691
1997 GH ₁	1997 04 16.28635	11 59 09.03	+00 38 37.1	19.8 V	691	1997 GT ₁	1997 04 16.27855	11 47 44.42	+00 37 23.8	19.7 V	691
1997 GH ₁	1997 04 16.30799	11 59 08.18	+00 38 43.3	19.8 V	691	1997 GT ₁	1997 04 16.30024	11 47 43.61	+00 37 29.7	19.7 V	691
1997 GH ₁	1997 04 16.33045	11 59 07.28	+00 38 50.0	19.9 V	691	1997 GT ₁	1997 04 16.32270	11 47 42.84	+00 37 35.9	19.8 V	691
1997 GJ ₁	* 1997 04 02.19238	12 09 38.60	-00 44 28.2	20.2 V	691	1997 GU ₁	1997 03 10.37425	12 28 00.15	-02 23 00.5	20.2 V	691
1997 GJ ₁	1997 04 02.21909	12 09 37.48	-00 44 18.0	20.7 V	691	1997 GU ₁	1997 03 10.39513	12 27 59.32	-02 22 55.6	19.8 V	691
1997 GJ ₁	1997 04 02.24081	12 09 36.52	-00 44 09.7	21.2 V	691	1997 GU ₁	1997 03 10.41605	12 27 58.43	-02 22 49.8	19.9 V	691
1997 GJ ₁	1997 04 07.21088	12 06 17.98	-00 12 07.1	20.4 V	691	1997 GU ₁	* 1997 04 02.19359	12 11 23.52	-00 38 58.7	20.0 V	691
1997 GJ ₁	1997 04 07.23214	12 06 17.12	-00 11 59.2	20.6 V	691	1997 GU ₁	1997 04 02.22030	12 11 22.28	-00 38 52.4	20.1 V	691
1997 GJ ₁	1997 04 07.25305	12 06 16.28	-00 11 51.3	20.6 V	691	1997 GU ₁	1997 04 02.24202	12 11 21.38	-00 38 46.5	20.0 V	691
1997 GJ ₁	1997 04 08.33406	12 05 34.51	-00 05 04.5	20.3 V	691	1997 GU ₁	1997 04 08.33506	12 07 00.93	-00 11 56.4	20.0 V	691
1997 GJ ₁	1997 04 08.35695	12 05 33.60	-00 04 55.8	20.5 V	691	1997 GU ₁	1997 04 08.35795	12 06 59.93	-00 11 50.8	20.3 V	691
1997 GJ ₁	1997 04 08.38194	12 05 32.61	-00 04 47.1	20.7 V	691	1997 GU ₁	1997 04 08.38294	12 06 58.89	-00 11 44.4	20.1 V	691
1997 GK ₁	* 1997 04 02.19313	12 10 43.77	-00 45 25.9	19.9 V	691	1997 GU ₁	1997 04 12.22780	12 04 24.79	+00 04 02.8	20.5 V	691
1997 GK ₁	1997 04 02.21984	12 10 42.55	-00 45 15.8	19.9 V	691	1997 GU ₁	1997 04 12.25129	12 04 23.85	+00 04 08.8	20.4 V	691
1997 GK ₁	1997 04 02.24156	12 10 41.51	-00 45 06.3	19.8 V	691	1997 GU ₁	1997 04 12.27246	12 04 22.96	+00 04 13.7	20.6 V	691
1997 GK ₁	1997 04 07.21147	12 07 09.05	-00 10 42.3	20.1 V	691	1997 GU ₁	1997 04 16.19574	12 01 56.26	+00 19 08.9	20.0 V	691
1997 GK ₁	1997 04 07.23273	12 07 08.14	-00 10 33.7	20.1 V	691	1997 GU ₁	1997 04 16.21751	12 01 55.46	+00 19 13.8	20.4 V	691
1997 GK ₁	1997 04 07.25364	12 07 07.23	-00 10 25.1	19.9 V	691	1997 GU ₁	1997 04 16.23983	12 01 54.63	+00 19 18.3	20.2 V	691
1997 GK ₁	1997 04 08.33461	12 06 22.76	-00 03 10.2	19.4 V	691	1997 GV ₁	* 1997 04 07.20200	11 53 28.60	-00 28 40.3	19.4 V	691
1997 GK ₁	1997 04 08.35751	12 06 21.78	-00 03 01.5	20.2 V	691	1997 GV ₁	1997 04 07.22326	11 53 27.74	-00 28 33.0	19.4 V	691
1997 GK ₁	1997 04 08.38250	12 06 20.73	-00 02 52.1	20.5 V	691	1997 GV ₁	1997 04 07.24417	11 53 26.82	-00 28 26.0	19.4 V	691
1997 GK ₁	1997 04 12.22739	12 03 49.63	+00 22 01.7	20.3 V	691	1997 GV ₁	1997 04 08.32517	11 52 45.00	-00 22 19.0	19.1 V	691
1997 GK ₁	1997 04 12.25089	12 03 48.69	+00 22 10.6	19.9 V	691	1997 GV ₁	1997 04 08.34807	11 52 44.08	-00 22 11.9	19.1 V	691
1997 GK ₁	1997 04 12.27206	12 03 47.86	+00 22 18.6	19.9 V	691	1997 GV ₁	1997 04 08.37306	11 52 43.00	-00 22 01.8	18.5 V	691
1997 GK ₁	1997 04 16.28789	12 01 22.47	+00 46 40.6	20.4 V	691	1997 GW ₁	* 1997 04 07.20285	11 54 42.63	-00 25 31.3	20.7 V	691
1997 GK ₁	1997 04 16.30953	12 01 21.74	+00 46 48.0	19.7 V	691	1997 GW ₁	1997 04 07.22412	11 54 41.67	-00 25 23.7	20.6 V	691
1997 GK ₁	1997 04 16.33200	12 01 20.93	+00 46 56.1	19.9 V	691	1997 GW ₁	1997 04 07.24502	11 54 40.60	-00 25 16.2	20.8 V	691
1997 GS ₁	1997 03 11.41668	12 12 53.29	-02 43 39.7	20.2 V	691	1997 GW ₁	1997 04 08.32593	11 53 50.53	-00 18 41.1	20.9 V	691
1997 GS ₁	1997 03 11.46511	12 12 51.09	-02 43 24.7	20.6 V	691	1997 GW ₁	1997 04 08.34882	11 53 49.48	-00 18 33.2	21.3 V	691
1997 GS ₁	1997 03 11.48633	12 12 50.07	-02 43 18.5	20.4 V	691	1997 GW ₁	1997 04 08.37381	11 53 48.31	-00 18 23.8	21.0 V	691
1997 GS ₁	* 1997 04 02.18244	11 55 17.25	-00 43 12.3	20.7 V	691	1997 GW ₁	1997 04 12.21851	11 51 00.72	+00 04 00.4	20.8 V	691
1997 GS ₁	1997 04 02.20915	11 55 15.96	-00 43 02.7	21.2 V	691	1997 GW ₁	1997 04 12.24201	11 50 59.74	+00 04 08.8	20.7 V	691
1997 GS ₁	1997 04 02.23085	11 55 14.88	-00 42 56.0	21.0 V	691	1997 GW ₁	1997 04 12.26318	11 50 58.77	+00 04 15.7	21.1 V	691
1997 GS ₁	1997 04 07.20067	11 51 33.61	-00 16 43.7	20.5 V	691	1997 GW ₁	1997 04 16.18637	11 48 25.10	+00 25 16.1	21.2 V	691
1997 GS ₁	1997 04 08.32380	11 50 46.15	-00 11 04.1	20.7 V	691	1997 GW ₁	1997 04 16.20814	11 48 24.27	+00 25 22.9	20.7 V	691
1997 GS ₁	1997 04 08.34670	11 50 45.18	-00 10 57.6	20.7 V	691	1997 GW ₁	1997 04 16.23046	11 48 23.41	+00 25 29.9	20.9 V	691
1997 GS ₁	1997 04 08.37168	11 50 44.11	-00 10 49.7	20.3 V	691	1997 GX ₁	* 1997 04 07.20379	11 56 03.62	-00 15 53.6	18.7 V	691

1997 GX ₁	1997 04 07.22505	11 56 02.36	-00 15 52.5	18.7 V	691	1997 GC ₂	1997 04 08.32923	11 58 36.31	-00 12 44.4	20.7 V	691
1997 GX ₁	1997 04 07.24595	11 56 01.15	-00 15 51.3	18.7 V	691	1997 GC ₂	1997 04 08.35212	11 58 35.29	-00 12 37.1	20.8 V	691
1997 GX ₁	1997 04 08.32673	11 54 59.64	-00 14 49.0	18.7 V	691	1997 GC ₂	1997 04 12.22188	11 55 52.48	+00 07 34.3	21.0 V	691
1997 GX ₁	1997 04 08.34962	11 54 58.33	-00 14 48.1	18.8 V	691	1997 GC ₂	1997 04 12.24538	11 55 51.53	+00 07 41.4	21.1 V	691
1997 GX ₁	1997 04 08.37460	11 54 56.88	-00 14 46.5	18.9 V	691	1997 GC ₂	1997 04 12.26655	11 55 50.66	+00 07 47.7	20.9 V	691
1997 GY ₁	* 1997 04 07.20393	11 56 15.93	-00 09 12.2	19.1 V	691	1997 GC ₂	1997 04 16.18977	11 53 19.81	+00 26 42.6	21.0 V	691
1997 GY ₁	1997 04 07.22519	11 56 15.01	-00 09 03.7	19.2 V	691	1997 GC ₂	1997 04 16.21155	11 53 19.01	+00 26 48.7	20.7 V	691
1997 GY ₁	1997 04 07.24610	11 56 14.17	-00 08 55.2	19.1 V	691	1997 GC ₂	1997 04 16.23386	11 53 18.16	+00 26 55.2	20.8 V	691
1997 GY ₁	1997 04 08.32710	11 55 31.89	-00 01 38.0	19.3 V	691	1997 GD ₂	* 1997 04 07.20630	11 59 41.62	-00 16 59.7	20.2 V	691
1997 GY ₁	1997 04 08.35000	11 55 30.98	-00 01 29.2	19.2 V	691	1997 GD ₂	1997 04 07.22757	11 59 40.57	-00 16 50.8	20.1 V	691
1997 GY ₁	1997 04 08.37498	11 55 29.96	-00 01 19.2	19.3 V	691	1997 GD ₂	1997 04 07.24847	11 59 39.54	-00 16 42.1	20.4 V	691
1997 GY ₁	1997 04 12.22004	11 53 13.25	+00 23 04.3	19.3 V	691	1997 GD ₂	1997 04 08.32937	11 58 48.41	-00 09 06.5	20.5 V	691
1997 GY ₁	1997 04 12.24354	11 53 12.45	+00 23 12.7	19.5 V	691	1997 GD ₂	1997 04 08.35226	11 58 47.30	-00 08 56.7	20.4 V	691
1997 GY ₁	1997 04 12.26471	11 53 11.68	+00 23 20.1	19.5 V	691	1997 GD ₂	1997 04 08.37725	11 58 46.08	-00 08 46.5	20.3 V	691
1997 GY ₁	1997 04 16.28083	11 51 11.50	+00 46 02.2	19.3 V	691	1997 GD ₂	1997 04 16.28220	11 53 09.71	+00 42 26.8	20.7 V	691
1997 GY ₁	1997 04 16.30248	11 51 10.88	+00 46 09.3	19.4 V	691	1997 GD ₂	1997 04 16.30384	11 53 08.88	+00 42 34.6	20.4 V	691
1997 GY ₁	1997 04 16.32495	11 51 10.22	+00 46 16.2	19.4 V	691	1997 GD ₂	1997 04 16.32630	11 53 07.95	+00 42 42.3	20.9 V	691
1997 GZ ₁	* 1997 04 07.20443	11 56 59.04	-00 21 37.9	21.3 V	691	1997 GE ₂	* 1997 04 07.20646	11 59 55.20	-00 20 22.1	19.7 V	691
1997 GZ ₁	1997 04 07.22569	11 56 58.17	-00 21 28.8	21.1 V	691	1997 GE ₂	1997 04 07.22772	11 59 54.27	-00 20 11.9	19.7 V	691
1997 GZ ₁	1997 04 07.24660	11 56 57.48	-00 21 20.2	21.2 V	691	1997 GE ₂	1997 04 07.24863	11 59 53.47	-00 20 01.6	19.9 V	691
1997 GZ ₁	1997 04 08.32765	11 56 19.41	-00 13 30.6	20.9 V	691	1997 GE ₂	1997 04 08.32963	11 59 11.06	-00 11 00.5	20.1 V	691
1997 GZ ₁	1997 04 08.35055	11 56 18.62	-00 13 21.2	21.2 V	691	1997 GE ₂	1997 04 08.35253	11 59 10.15	-00 10 49.1	19.8 V	691
1997 GZ ₁	1997 04 08.37554	11 56 17.73	-00 13 10.1	21.2 V	691	1997 GE ₂	1997 04 08.37752	11 59 09.16	-00 10 36.7	20.0 V	691
1997 GA ₂	* 1997 04 07.20457	11 57 11.43	-00 23 31.3	21.7 V	691	1997 GE ₂	1997 04 12.22251	11 56 46.45	+00 20 31.2	20.4 V	691
1997 GA ₂	1997 04 07.22584	11 57 10.55	-00 23 22.9	21.6 V	691	1997 GE ₂	1997 04 12.24600	11 56 45.62	+00 20 41.9	20.0 V	691
1997 GA ₂	1997 04 07.24674	11 57 09.86	-00 23 14.7	20.6 V	691	1997 GE ₂	1997 04 12.26717	11 56 44.83	+00 20 51.9	19.9 V	691
1997 GA ₂	1997 04 08.32779	11 56 31.43	-00 16 01.2	20.7 V	691	1997 GE ₂	1997 04 16.28312	11 54 29.81	+00 51 31.9	20.1 V	691
1997 GA ₂	1997 04 08.35068	11 56 30.60	-00 15 52.4	21.0 V	691	1997 GE ₂	1997 04 16.30477	11 54 29.08	+00 51 41.6	19.8 V	691
1997 GA ₂	1997 04 08.37567	11 56 29.69	-00 15 42.5	21.9 V	691	1997 GE ₂	1997 04 16.32723	11 54 28.30	+00 51 52.6	19.3 V	691
1997 GA ₂	1997 04 16.28168	11 52 24.49	+00 32 54.3	20.8 V	691	1997 GF ₂	1997 03 11.42585	12 26 07.63	-02 41 24.9	20.8 V	691
1997 GA ₂	1997 04 16.30333	11 52 23.88	+00 33 02.4	20.8 V	691	1997 GF ₂	1997 03 11.47427	12 26 05.02	-02 41 10.5	21.3 V	691
1997 GA ₂	1997 04 16.32579	11 52 23.22	+00 33 10.1	20.6 V	691	1997 GF ₂	1997 03 11.49549	12 26 03.90	-02 41 05.3	22.0 V	691
1997 GB ₂	* 1997 04 07.20596	11 59 12.17	-00 17 42.0	19.3 V	691	1997 GF ₂	* 1997 04 07.20722	12 01 01.24	-00 21 37.4	21.0 V	691
1997 GB ₂	1997 04 07.22722	11 59 10.76	-00 17 58.9	19.4 V	691	1997 GF ₂	1997 04 07.22848	12 01 00.06	-00 21 31.4	21.0 V	691
1997 GB ₂	1997 04 07.24812	11 59 09.49	-00 18 15.4	19.4 V	691	1997 GF ₂	1997 04 07.24939	12 00 58.98	-00 21 25.5	21.0 V	691
1997 GB ₂	1997 04 08.23194	11 58 11.50	-00 31 16.5	19.4 V	691	1997 GF ₂	1997 04 08.33022	12 00 02.52	-00 16 13.0	21.2 V	691
1997 GB ₂	1997 04 08.25299	11 58 10.20	-00 31 33.6	19.5 V	691	1997 GF ₂	1997 04 08.35312	12 00 01.29	-00 16 06.4	21.2 V	691
1997 GB ₂	1997 04 08.27402	11 58 08.89	-00 31 50.3	19.5 V	691	1997 GF ₂	1997 04 08.37810	11 59 59.96	-00 15 59.2	21.0 V	691
1997 GB ₂	1997 04 09.25913	11 57 12.36	-00 44 56.4	19.6 V	691	1997 GF ₂	1997 04 16.19009	11 53 47.44	+00 18 11.6	20.9 V	691
1997 GB ₂	1997 04 09.26885	11 57 11.74	-00 45 04.2	19.5 V	691	1997 GF ₂	1997 04 16.21186	11 53 46.48	+00 18 16.8	21.4 V	691
1997 GB ₂	1997 04 09.28231	11 57 10.93	-00 45 14.6	19.4 V	691	1997 GF ₂	1997 04 16.23418	11 53 45.46	+00 18 21.3	20.7 V	691
1997 GB ₂	1997 04 14.28003	11 52 50.89	-01 52 37.1	19.5 V	691	1997 GG ₂	* 1997 04 07.20731	12 01 08.98	-00 29 21.5	19.2 V	691
1997 GB ₂	1997 04 14.29206	11 52 50.29	-01 52 46.9	19.6 V	691	1997 GG ₂	1997 04 07.22858	12 01 08.10	-00 29 11.0	19.2 V	691
1997 GB ₂	1997 04 14.30443	11 52 49.66	-01 52 57.2	19.7 V	691	1997 GG ₂	1997 04 07.24948	12 01 07.32	-00 29 01.0	19.3 V	691
1997 GC ₂	1997 03 11.42218	12 20 49.40	-02 53 46.3	20.5 V	691	1997 GG ₂	1997 04 08.33050	12 00 26.29	-00 20 09.0	19.3 V	691
1997 GC ₂	1997 03 11.47060	12 20 47.13	-02 53 30.8	20.5 V	691	1997 GG ₂	1997 04 08.35340	12 00 25.39	-00 19 57.9	19.3 V	691
1997 GC ₂	1997 03 11.49183	12 20 46.17	-02 53 23.5	20.2 V	691	1997 GG ₂	1997 04 08.37838	12 00 24.43	-00 19 45.6	19.3 V	691
1997 GC ₂	1997 04 02.18798	12 03 17.37	-00 47 09.6	20.8 V	691	1997 GH ₂	* 1997 04 07.20740	12 01 16.74	-00 26 56.8	21.3 V	691
1997 GC ₂	1997 04 02.21469	12 03 16.16	-00 47 00.8	20.7 V	691	1997 GH ₂	1997 04 07.22866	12 01 15.47	-00 26 56.7	20.7 V	691
1997 GC ₂	* 1997 04 07.20612	11 59 26.01	-00 18 50.6	20.8 V	691	1997 GH ₂	1997 04 07.24957	12 01 14.31	-00 26 56.1	21.0 V	691
1997 GC ₂	1997 04 07.22739	11 59 25.01	-00 18 43.7	20.4 V	691	1997 GH ₂	1997 04 08.33036	12 00 14.41	-00 26 24.3	20.8 V	691
1997 GC ₂	1997 04 07.24829	11 59 24.10	-00 18 36.7	20.7 V	691	1997 GH ₂	1997 04 08.35325	12 00 13.06	-00 26 23.5	21.0 V	691

1997 GH ₂	1997 04 08.37824	12 00 11.65	-00 26 22.9	21.1 V	691	1997 GR ₂	1997 04 07.25455	12 08 25.75	-00 28 30.9	20.4 V	691
1997 GJ ₂	* 1997 04 07.20773	12 01 44.87	-00 26 15.7	21.5 V	691	1997 GR ₂	1997 04 08.33538	12 07 29.16	-00 25 49.2	20.5 V	691
1997 GJ ₂	1997 04 07.22899	12 01 43.74	-00 26 12.0	21.2 V	691	1997 GR ₂	1997 04 08.35827	12 07 27.93	-00 25 45.8	20.6 V	691
1997 GJ ₂	1997 04 07.24989	12 01 42.71	-00 26 09.4	21.0 V	691	1997 GR ₂	1997 04 08.38326	12 07 26.61	-00 25 42.3	20.7 V	691
1997 GJ ₂	1997 04 08.33077	12 00 50.04	-00 23 19.8	20.9 V	691	1997 GS ₂	1997 03 13.42880	12 29 46.53	-01 59 07.4	19.3 V	691
1997 GJ ₂	1997 04 08.35367	12 00 48.91	-00 23 16.9	21.5 V	691	1997 GS ₂	1997 03 13.45045	12 29 45.48	-01 59 02.5	19.2 V	691
1997 GJ ₂	1997 04 08.37865	12 00 47.68	-00 23 13.1	21.4 V	691	1997 GS ₂	1997 03 13.47224	12 29 44.37	-01 58 57.9	19.2 V	691
1997 GK ₂	* 1997 04 07.20832	12 02 36.28	-00 17 58.7	21.2 V	691	1997 GS ₂	* 1997 04 07.21265	12 08 50.85	-00 25 03.5	19.3 V	691
1997 GK ₂	1997 04 07.22958	12 02 35.21	-00 17 47.7	21.2 V	691	1997 GS ₂	1997 04 07.23391	12 08 49.84	-00 24 58.9	19.5 V	691
1997 GK ₂	1997 04 07.25049	12 02 34.32	-00 17 38.9	21.8 V	691	1997 GS ₂	1997 04 07.25481	12 08 48.80	-00 24 55.0	19.5 V	691
1997 GK ₂	1997 04 08.33144	12 01 47.48	-00 09 01.1	21.5 V	691	1997 GS ₂	1997 04 08.33572	12 07 58.78	-00 21 22.9	19.7 V	691
1997 GK ₂	1997 04 08.35433	12 01 46.48	-00 08 50.1	21.0 V	691	1997 GS ₂	1997 04 08.35862	12 07 57.69	-00 21 18.7	19.6 V	691
1997 GK ₂	1997 04 08.37932	12 01 45.35	-00 08 38.8	21.4 V	691	1997 GS ₂	1997 04 08.38360	12 07 56.51	-00 21 13.8	19.6 V	691
1997 GL ₂	* 1997 04 07.20874	12 03 12.95	-00 28 54.3	19.2 V	691	1997 GS ₂	1997 04 15.19559	12 03 09.84	-00 01 43.7	20.1 V	691
1997 GL ₂	1997 04 07.23000	12 03 11.80	-00 28 49.0	19.2 V	691	1997 GS ₂	1997 04 15.21749	12 03 08.98	-00 01 40.8	19.8 V	691
1997 GL ₂	1997 04 07.25091	12 03 10.73	-00 28 44.1	19.2 V	691	1997 GS ₂	1997 04 15.23906	12 03 08.11	-00 01 37.1	19.7 V	691
1997 GL ₂	1997 04 08.33178	12 02 17.49	-00 24 26.0	19.2 V	691	1997 GT ₂	* 1997 04 07.21303	12 09 24.60	-00 14 02.7	20.7 V	691
1997 GL ₂	1997 04 08.35468	12 02 16.31	-00 24 20.8	19.5 V	691	1997 GT ₂	1997 04 07.23430	12 09 23.51	-00 14 02.6	20.8 V	691
1997 GL ₂	1997 04 08.37966	12 02 15.03	-00 24 15.2	19.8 V	691	1997 GT ₂	1997 04 07.25520	12 09 22.33	-00 14 02.7	20.8 V	691
1997 GM ₂	* 1997 04 07.20893	12 03 28.95	-00 10 24.7	20.9 V	691	1997 GT ₂	1997 04 08.33606	12 08 28.17	-00 14 19.2	20.8 V	691
1997 GM ₂	1997 04 07.23019	12 03 28.05	-00 10 19.3	21.3 V	691	1997 GT ₂	1997 04 08.35895	12 08 26.98	-00 14 19.5	21.0 V	691
1997 GM ₂	1997 04 07.25110	12 03 27.22	-00 10 14.4	21.1 V	691	1997 GT ₂	1997 04 08.38394	12 08 25.70	-00 14 20.6	20.8 V	691
1997 GM ₂	1997 04 08.33210	12 02 44.81	-00 05 49.7	20.5 V	691	1997 GU ₂	* 1997 04 07.21463	12 11 42.60	-00 15 57.9	20.8 V	691
1997 GM ₂	1997 04 08.35499	12 02 43.88	-00 05 45.5	20.7 V	691	1997 GU ₂	1997 04 07.25680	12 11 40.67	-00 15 50.7	21.3 V	691
1997 GM ₂	1997 04 08.37998	12 02 42.87	-00 05 39.4	21.1 V	691	1997 GU ₂	1997 04 08.33773	12 10 52.62	-00 13 13.3	21.2 V	691
1997 GN ₂	* 1997 04 07.21000	12 05 01.31	-00 14 23.3	19.7 V	691	1997 GU ₂	1997 04 08.36062	12 10 51.58	-00 13 08.7	21.3 V	691
1997 GN ₂	1997 04 07.23125	12 04 59.94	-00 14 19.0	19.7 V	691	1997 GU ₂	1997 04 08.38561	12 10 50.44	-00 13 05.9	21.3 V	691
1997 GN ₂	1997 04 07.25216	12 04 58.64	-00 14 15.3	19.8 V	691	1997 GV ₂	* 1997 04 07.21483	12 12 00.29	-00 10 38.4	19.4 V	691
1997 GN ₂	1997 04 08.33289	12 03 53.50	-00 10 50.9	19.8 V	691	1997 GV ₂	1997 04 07.23609	12 11 59.33	-00 10 27.0	19.7 V	691
1997 GN ₂	1997 04 08.35578	12 03 52.10	-00 10 46.9	19.5 V	691	1997 GV ₂	1997 04 07.25700	12 11 58.29	-00 10 16.3	19.8 V	691
1997 GN ₂	1997 04 08.38076	12 03 50.53	-00 10 42.7	19.6 V	691	1997 GV ₂	1997 04 08.33793	12 11 09.65	-00 01 04.5	19.7 V	691
1997 GO ₂	* 1997 04 07.21048	12 05 43.05	-00 24 55.6	20.5 V	691	1997 GV ₂	1997 04 08.36082	12 11 08.59	-00 00 52.4	19.7 V	691
1997 GO ₂	1997 04 07.23174	12 05 41.82	-00 24 50.9	20.5 V	691	1997 GV ₂	1997 04 08.38581	12 11 07.43	-00 00 39.4	19.9 V	691
1997 GO ₂	1997 04 07.25264	12 05 40.66	-00 24 46.6	20.7 V	691	1997 GV ₂	1997 04 12.23058	12 08 25.16	+00 30 41.6	20.1 V	691
1997 GO ₂	1997 04 08.33345	12 04 42.26	-00 20 55.9	20.9 V	691	1997 GV ₂	1997 04 12.25407	12 08 24.14	+00 30 53.3	19.8 V	691
1997 GO ₂	1997 04 08.35635	12 04 40.98	-00 20 51.5	21.0 V	691	1997 GV ₂	1997 04 12.27524	12 08 23.25	+00 31 02.8	19.7 V	691
1997 GO ₂	1997 04 08.38133	12 04 39.62	-00 20 46.5	20.8 V	691	1997 GV ₂	1997 04 13.24041	12 07 45.14	+00 38 32.4	19.6 V	691
1997 GP ₂	* 1997 04 07.21147	12 07 08.87	-00 23 55.8	20.3 V	691	1997 GV ₂	1997 04 13.26185	12 07 44.25	+00 38 42.2	19.8 V	691
1997 GP ₂	1997 04 07.23273	12 07 07.93	-00 23 45.6	20.4 V	691	1997 GV ₂	1997 04 13.28346	12 07 43.38	+00 38 52.5	19.9 V	691
1997 GP ₂	1997 04 07.25364	12 07 07.01	-00 23 36.0	20.3 V	691	1997 GV ₂	1997 04 16.29100	12 05 52.28	+01 01 07.1	19.8 V	691
1997 GP ₂	1997 04 08.33461	12 06 22.55	-00 15 10.9	20.4 V	691	1997 GV ₂	1997 04 16.31265	12 05 51.49	+01 01 16.1	19.8 V	691
1997 GP ₂	1997 04 08.35751	12 06 21.58	-00 15 00.7	20.5 V	691	1997 GV ₂	1997 04 16.33511	12 05 50.64	+01 01 25.8	19.9 V	691
1997 GP ₂	1997 04 08.38250	12 06 20.52	-00 14 49.2	20.5 V	691	1997 GW ₂	* 1997 04 07.21494	12 12 09.77	-00 16 06.0	21.2 V	691
1997 GP ₂	1997 04 12.22744	12 03 53.27	+00 13 47.8	20.8 V	691	1997 GW ₂	1997 04 07.23620	12 12 08.50	-00 16 07.1	20.9 V	691
1997 GP ₂	1997 04 12.25093	12 03 52.35	+00 13 57.7	20.6 V	691	1997 GW ₂	1997 04 07.25710	12 12 07.20	-00 16 09.0	21.4 V	691
1997 GP ₂	1997 04 12.27210	12 03 51.48	+00 14 06.9	19.8 V	691	1997 GW ₂	1997 04 08.33787	12 11 04.34	-00 17 44.2	21.1 V	691
1997 GQ ₂	* 1997 04 07.21213	12 08 06.52	-00 28 08.1	19.9 V	691	1997 GW ₂	1997 04 08.36076	12 11 02.99	-00 17 45.6	21.4 V	691
1997 GQ ₂	1997 04 07.25430	12 08 04.13	-00 27 57.0	20.2 V	691	1997 GW ₂	1997 04 08.38574	12 11 01.48	-00 17 47.9	21.8 V	691
1997 GQ ₂	1997 04 08.33512	12 07 06.62	-00 23 23.6	20.0 V	691	1997 GX ₂	1997 03 15.40971	12 31 08.69	-02 29 35.1	20.2 V	691
1997 GQ ₂	1997 04 08.35801	12 07 05.37	-00 23 17.9	20.4 V	691	1997 GX ₂	1997 03 15.43356	12 31 07.49	-02 29 26.7	20.0 V	691
1997 GQ ₂	1997 04 08.38300	12 07 04.00	-00 23 11.8	20.4 V	691	1997 GX ₂	1997 03 15.45480	12 31 06.46	-02 29 19.6	19.7 V	691
1997 GR ₂	* 1997 04 07.21238	12 08 28.06	-00 28 37.5	20.2 V	691	1997 GX ₂	* 1997 04 07.21499	12 12 14.02	-00 10 17.0	20.0 V	691

1997 GX ₂	1997 04 07.23625	12 12 13.04	-00 10 09.3	20.1 V	691	1997 GB ₃	1997 04 16.19993	12 07 59.67	+00 31 24.8	19.7 V	691
1997 GX ₂	1997 04 07.25716	12 12 11.97	-00 10 02.0	20.2 V	691	1997 GB ₃	1997 04 16.22170	12 07 58.94	+00 31 32.4	19.4 V	691
1997 GX ₂	1997 04 08.33805	12 11 20.69	-00 03 50.2	20.1 V	691	1997 GB ₃	1997 04 16.24402	12 07 58.17	+00 31 40.4	19.2 V	691
1997 GX ₂	1997 04 08.36095	12 11 19.57	-00 03 41.2	20.4 V	691	1997 GB ₃	1997 04 16.29243	12 07 56.40	+00 31 57.6	19.5 V	691
1997 GX ₂	1997 04 08.38593	12 11 18.38	-00 03 33.0	20.5 V	691	1997 GB ₃	1997 04 16.31408	12 07 55.63	+00 32 05.4	19.5 V	691
1997 GX ₂	1997 04 12.23055	12 08 22.89	+00 17 44.6	20.5 V	691	1997 GB ₃	1997 04 16.33654	12 07 54.90	+00 32 13.2	19.5 V	691
1997 GX ₂	1997 04 12.25404	12 08 21.81	+00 17 52.1	20.6 V	691	1997 GC ₃	* 1997 04 07.22161	11 51 04.45	-00 21 22.4	21.4 V	691
1997 GX ₂	1997 04 12.27521	12 08 20.83	+00 17 58.9	20.4 V	691	1997 GC ₃	1997 04 07.24251	11 51 03.56	-00 21 14.2	21.5 V	691
1997 GX ₂	1997 04 16.29074	12 05 29.79	+00 38 41.3	19.9 V	691	1997 GC ₃	1997 04 08.32351	11 50 20.69	-00 14 10.3	21.5 V	691
1997 GX ₂	1997 04 16.31239	12 05 28.87	+00 38 48.2	20.3 V	691	1997 GC ₃	1997 04 08.34640	11 50 19.77	-00 14 01.7	21.4 V	691
1997 GX ₂	1997 04 16.33485	12 05 27.90	+00 38 54.9	20.3 V	691	1997 GC ₃	1997 04 08.37139	11 50 18.75	-00 13 51.8	21.5 V	691
1997 GY ₂	1997 03 15.40929	12 30 31.90	-02 13 34.6	20.6 V	691	1997 GD ₃	* 1997 04 07.22843	12 00 54.93	-00 29 28.1	20.9 V	691
1997 GY ₂	1997 03 15.43314	12 30 30.79	-02 13 27.7	20.5 V	691	1997 GD ₃	1997 04 07.24933	12 00 54.08	-00 29 23.2	21.0 V	691
1997 GY ₂	1997 03 15.45437	12 30 29.80	-02 13 21.2	20.3 V	691	1997 GD ₃	1997 04 08.33030	12 00 09.26	-00 24 54.8	20.9 V	691
1997 GY ₂	* 1997 04 07.21516	12 12 28.58	-00 11 42.7	20.4 V	691	1997 GD ₃	1997 04 08.35320	12 00 08.28	-00 24 49.1	21.1 V	691
1997 GY ₂	1997 04 07.23642	12 12 27.62	-00 11 35.9	20.6 V	691	1997 GD ₃	1997 04 08.37819	12 00 07.21	-00 24 43.1	21.0 V	691
1997 GY ₂	1997 04 07.25733	12 12 26.60	-00 11 29.7	20.6 V	691	1997 GE ₃	* 1997 04 07.23085	12 04 25.21	-00 07 19.5	21.1 V	691
1997 GY ₂	1997 04 08.33825	12 11 37.36	-00 06 05.0	20.8 V	691	1997 GE ₃	1997 04 07.25176	12 04 24.34	-00 07 13.9	21.0 V	691
1997 GY ₂	1997 04 08.36114	12 11 36.30	-00 05 56.9	20.6 V	691	1997 GE ₃	1997 04 08.33273	12 03 39.57	-00 02 24.9	21.2 V	691
1997 GY ₂	1997 04 08.38613	12 11 35.14	-00 05 49.8	20.7 V	691	1997 GE ₃	1997 04 08.35563	12 03 38.59	-00 02 19.0	21.6 V	691
1997 GY ₂	1997 04 12.23082	12 08 46.54	+00 12 43.1	21.0 V	691	1997 GE ₃	1997 04 08.38061	12 03 37.53	-00 02 12.2	21.0 V	691
1997 GY ₂	1997 04 12.25431	12 08 45.50	+00 12 49.9	21.2 V	691	1997 GK ₃	* 1997 04 07.44749	14 49 41.02	+03 38 01.6	19.4 V	691
1997 GY ₂	1997 04 12.27549	12 08 44.58	+00 12 55.8	20.7 V	691	1997 GK ₃	1997 04 07.47305	14 49 30.49	+03 33 02.6	18.8 V	691
1997 GY ₂	1997 04 16.19860	12 06 04.07	+00 30 29.0	20.6 V	691	1997 GK ₃	1997 04 07.49829	14 49 20.17	+03 28 10.0	19.3 V	691
1997 GY ₂	1997 04 16.22037	12 06 03.20	+00 30 33.3	20.7 V	691	1997 GK ₃	1997 04 12.28498	14 19 38.47	-11 13 28.6	19.9 V	691
1997 GY ₂	1997 04 16.24269	12 06 02.25	+00 30 39.6	20.9 V	691	1997 GK ₃	1997 04 12.29649	14 19 34.08	-11 15 25.9	19.3 V	691
1997 GZ ₂	* 1997 04 07.21521	12 12 33.17	-00 08 03.8	20.7 V	691	1997 GD ₄	* 1997 04 07.13153	10 16 04.93	+07 28 58.8	20.4 V	691
1997 GZ ₂	1997 04 07.23648	12 12 32.37	-00 07 55.1	20.9 V	691	1997 GD ₄	1997 04 07.15435	10 16 04.59	+07 29 04.9	20.5 V	691
1997 GZ ₂	1997 04 07.25738	12 12 31.49	-00 07 46.8	20.9 V	691	1997 GD ₄	1997 04 07.17620	10 16 04.25	+07 29 10.2	20.9 V	691
1997 GZ ₂	1997 04 08.33839	12 11 50.08	-00 00 47.3	21.0 V	691	1997 GD ₄	1997 04 09.18311	10 15 38.71	+07 36 52.3	21.0 V	691
1997 GZ ₂	1997 04 08.36129	12 11 49.17	-00 00 37.1	21.0 V	691	1997 GD ₄	1997 04 09.20706	10 15 38.42	+07 36 57.8	20.5 V	691
1997 GZ ₂	1997 04 08.38628	12 11 48.14	-00 00 28.0	20.7 V	691	1997 GD ₄	1997 04 09.22810	10 15 38.11	+07 37 02.2	20.5 V	691
1997 GZ ₂	1997 04 12.23129	12 09 26.86	+00 23 42.5	21.3 V	691	1997 GE ₄	* 1997 04 07.13519	10 21 21.32	+07 26 02.0	20.7 V	691
1997 GZ ₂	1997 04 12.25478	12 09 26.03	+00 23 50.6	21.4 V	691	1997 GE ₄	1997 04 07.15801	10 21 21.14	+07 26 09.8	20.6 V	691
1997 GZ ₂	1997 04 12.27596	12 09 25.24	+00 23 58.1	21.1 V	691	1997 GE ₄	1997 04 07.17986	10 21 20.97	+07 26 16.8	21.1 V	691
1997 GZ ₂	1997 04 16.29188	12 07 08.18	+00 47 46.3	20.9 V	691	1997 GE ₄	1997 04 09.18696	10 21 12.20	+07 36 49.2	21.2 V	691
1997 GZ ₂	1997 04 16.31353	12 07 07.45	+00 47 53.3	21.1 V	691	1997 GE ₄	1997 04 09.21091	10 21 12.08	+07 36 56.4	21.2 V	691
1997 GZ ₂	1997 04 16.33599	12 07 06.69	+00 48 00.8	21.0 V	691	1997 GF ₄	* 1997 04 07.13606	10 22 37.12	+07 26 34.8	20.7 V	691
1997 GA ₃	* 1997 04 07.21521	12 12 33.38	-00 16 10.6	19.4 V	691	1997 GF ₄	1997 04 07.15888	10 22 36.52	+07 26 40.6	20.4 V	691
1997 GA ₃	1997 04 07.23647	12 12 32.17	-00 16 07.3	19.6 V	691	1997 GF ₄	1997 04 07.18072	10 22 35.93	+07 26 44.6	20.5 V	691
1997 GA ₃	1997 04 07.25738	12 12 30.89	-00 16 04.4	19.7 V	691	1997 GF ₄	1997 04 09.18739	10 21 49.27	+07 33 35.7	20.4 V	691
1997 GA ₃	1997 04 08.33816	12 11 29.88	-00 13 42.5	19.6 V	691	1997 GF ₄	1997 04 09.21134	10 21 48.71	+07 33 40.2	20.5 V	691
1997 GA ₃	1997 04 08.36105	12 11 28.55	-00 13 38.8	19.7 V	691	1997 GG ₄	* 1997 04 07.13939	10 27 25.20	+07 24 26.7	19.4 V	691
1997 GA ₃	1997 04 08.38604	12 11 27.11	-00 13 35.8	19.8 V	691	1997 GG ₄	1997 04 07.16220	10 27 24.73	+07 24 34.7	19.9 V	691
1997 GB ₃	* 1997 04 07.21585	12 13 28.07	-00 25 45.4	19.2 V	691	1997 GG ₄	1997 04 07.18405	10 27 24.28	+07 24 43.3	20.3 V	691
1997 GB ₃	1997 04 07.23711	12 13 27.25	-00 25 36.3	19.4 V	691	1997 GG ₄	1997 04 09.19085	10 26 49.33	+07 37 01.7	20.4 V	691
1997 GB ₃	1997 04 07.25802	12 13 26.36	-00 25 27.8	19.3 V	691	1997 GG ₄	1997 04 09.21480	10 26 48.92	+07 37 10.0	20.4 V	691
1997 GB ₃	1997 04 08.33902	12 12 44.13	-00 18 14.9	19.4 V	691	1997 GG ₄	1997 04 09.23584	10 26 48.62	+07 37 17.5	19.8 V	691
1997 GB ₃	1997 04 08.36191	12 12 43.20	-00 18 05.1	19.4 V	691	1997 GH ₄	* 1997 04 07.13950	10 27 35.11	+07 27 20.7	21.1 V	691
1997 GB ₃	1997 04 12.23188	12 10 18.01	+00 07 03.0	19.6 V	691	1997 GH ₄	1997 04 07.16231	10 27 34.40	+07 27 24.8	21.1 V	691
1997 GB ₃	1997 04 12.25537	12 10 17.13	+00 07 11.8	19.5 V	691	1997 GH ₄	1997 04 07.18416	10 27 33.71	+07 27 29.7	21.3 V	691
1997 GB ₃	1997 04 12.27655	12 10 16.33	+00 07 19.9	19.4 V	691	1997 GH ₄	1997 04 09.19073	10 26 39.40	+07 32 57.1	21.8 V	691

1997 GH ₄	1997 04 09.21469	10 26 38.78	+07 33 00.1	21.5 V	691	1997 GR ₄	1997 04 07.29651	12 06 11.90	+00 28 00.9	19.2 V	691
1997 GH ₄	1997 04 09.23572	10 26 38.24	+07 33 03.9	21.5 V	691	1997 GR ₄	1997 04 07.31905	12 06 10.79	+00 28 06.2	19.3 V	691
1997 GJ ₄	* 1997 04 07.14004	10 28 21.93	+07 26 45.6	19.7 V	691	1997 GR ₄	1997 04 09.30948	12 04 39.34	+00 35 22.5	19.3 V	691
1997 GJ ₄	1997 04 07.16286	10 28 21.45	+07 26 50.2	19.8 V	691	1997 GR ₄	1997 04 09.33143	12 04 38.29	+00 35 27.2	19.7 V	691
1997 GJ ₄	1997 04 07.18470	10 28 20.98	+07 26 54.5	19.8 V	691	1997 GR ₄	1997 04 09.35320	12 04 37.23	+00 35 31.8	20.0 V	691
1997 GJ ₄	1997 04 09.19149	10 27 44.93	+07 32 40.9	20.1 V	691	1997 GR ₄	1997 04 16.28689	11 59 55.99	+00 56 44.5	20.1 V	691
1997 GJ ₄	1997 04 09.21545	10 27 44.52	+07 32 44.6	20.0 V	691	1997 GR ₄	1997 04 16.30854	11 59 55.19	+00 56 48.3	19.9 V	691
1997 GJ ₄	1997 04 09.23648	10 27 44.17	+07 32 48.0	19.9 V	691	1997 GR ₄	1997 04 16.33100	11 59 54.32	+00 56 51.3	19.5 V	691
1997 GK ₄	* 1997 04 07.14173	10 30 47.90	+07 24 50.0	19.4 V	691	1997 GS ₄	* 1997 04 07.27619	12 08 26.32	+00 28 20.6	19.5 V	691
1997 GK ₄	1997 04 07.16454	10 30 47.27	+07 24 53.5	19.5 V	691	1997 GS ₄	1997 04 07.29805	12 08 25.21	+00 28 29.3	19.5 V	691
1997 GK ₄	1997 04 07.18639	10 30 46.66	+07 24 57.1	19.9 V	691	1997 GS ₄	1997 04 07.32059	12 08 24.09	+00 28 37.9	19.4 V	691
1997 GK ₄	1997 04 09.19304	10 29 59.27	+07 29 40.6	19.9 V	691	1997 GS ₄	1997 04 09.31098	12 06 48.86	+00 41 09.4	19.5 V	691
1997 GK ₄	1997 04 09.21699	10 29 58.71	+07 29 43.5	19.7 V	691	1997 GS ₄	1997 04 09.33293	12 06 47.79	+00 41 17.4	19.8 V	691
1997 GK ₄	1997 04 09.23803	10 29 58.21	+07 29 46.2	19.8 V	691	1997 GS ₄	1997 04 09.35470	12 06 46.69	+00 41 25.4	19.7 V	691
1997 GL ₄	* 1997 04 07.14320	10 32 55.75	+07 15 35.0	19.9 V	691	1997 GT ₄	* 1997 04 07.27638	12 08 42.26	+00 30 01.8	20.5 V	691
1997 GL ₄	1997 04 07.16602	10 32 55.33	+07 15 45.3	20.5 V	691	1997 GT ₄	1997 04 07.29823	12 08 41.13	+00 30 06.2	20.2 V	691
1997 GL ₄	1997 04 07.18787	10 32 54.90	+07 15 56.2	20.0 V	691	1997 GT ₄	1997 04 07.32077	12 08 39.96	+00 30 10.2	20.1 V	691
1997 GL ₄	1997 04 09.19474	10 32 26.75	+07 31 30.9	20.5 V	691	1997 GT ₄	1997 04 09.31111	12 07 00.45	+00 36 12.4	20.2 V	691
1997 GL ₄	1997 04 09.21870	10 32 26.39	+07 31 41.6	20.3 V	691	1997 GT ₄	1997 04 09.33306	12 06 59.33	+00 36 15.5	20.2 V	691
1997 GL ₄	1997 04 09.23974	10 32 26.09	+07 31 51.0	20.0 V	691	1997 GT ₄	1997 04 09.35483	12 06 58.25	+00 36 20.4	20.1 V	691
1997 GM ₄	* 1997 04 07.14322	10 32 57.21	+07 27 28.6	20.2 V	691	1997 GT ₄	1997 04 13.23774	12 03 53.67	+00 47 04.1	20.3 V	691
1997 GM ₄	1997 04 07.16604	10 32 56.77	+07 27 34.9	20.9 V	691	1997 GT ₄	1997 04 13.25918	12 03 52.74	+00 47 07.4	20.7 V	691
1997 GM ₄	1997 04 07.18788	10 32 56.36	+07 27 41.6	20.6 V	691	1997 GT ₄	1997 04 13.28079	12 03 51.69	+00 47 10.6	20.9 V	691
1997 GM ₄	1997 04 09.19469	10 32 21.80	+07 36 41.8	21.0 V	691	1997 GT ₄	1997 04 16.28807	12 01 38.51	+00 54 24.7	20.1 V	691
1997 GM ₄	1997 04 09.21864	10 32 21.39	+07 36 47.9	20.8 V	691	1997 GT ₄	1997 04 16.30972	12 01 37.59	+00 54 27.6	20.8 V	691
1997 GM ₄	1997 04 09.23968	10 32 20.99	+07 36 53.0	20.6 V	691	1997 GT ₄	1997 04 16.33218	12 01 36.59	+00 54 30.5	20.0 V	691
1997 GN ₄	* 1997 04 07.14578	10 36 38.93	+07 25 43.2	21.2 V	691	1997 GU ₄	* 1997 04 07.27706	12 09 41.16	+00 23 29.7	20.6 V	691
1997 GN ₄	1997 04 07.16860	10 36 38.49	+07 25 47.0	21.4 V	691	1997 GU ₄	1997 04 07.29892	12 09 40.18	+00 23 37.7	21.4 V	691
1997 GN ₄	1997 04 07.19044	10 36 38.02	+07 25 50.9	20.8 V	691	1997 GU ₄	1997 04 07.32146	12 09 39.18	+00 23 47.2	20.6 V	691
1997 GN ₄	1997 04 09.19725	10 36 03.39	+07 31 20.4	20.9 V	691	1997 GU ₄	1997 04 09.31197	12 08 14.93	+00 36 06.5	21.4 V	691
1997 GN ₄	1997 04 09.22120	10 36 02.97	+07 31 23.7	20.6 V	691	1997 GU ₄	1997 04 09.33392	12 08 13.97	+00 36 14.8	21.4 V	691
1997 GN ₄	1997 04 09.24224	10 36 02.54	+07 31 27.3	20.8 V	691	1997 GV ₄	* 1997 04 07.27758	12 10 26.77	+00 29 56.1	19.9 V	691
1997 GO ₄	* 1997 04 07.16670	10 33 54.09	+07 24 15.2	19.7 V	691	1997 GV ₄	1997 04 07.29944	12 10 25.55	+00 30 04.1	19.8 V	691
1997 GO ₄	1997 04 07.18854	10 33 53.44	+07 24 20.3	19.9 V	691	1997 GV ₄	1997 04 07.32198	12 10 24.29	+00 30 12.2	19.7 V	691
1997 GO ₄	1997 04 09.19517	10 33 03.88	+07 31 14.3	19.8 V	691	1997 GV ₄	1997 04 09.31224	12 08 38.18	+00 41 50.6	19.9 V	691
1997 GO ₄	1997 04 09.21913	10 33 03.28	+07 31 18.5	19.9 V	691	1997 GV ₄	1997 04 09.33419	12 08 36.98	+00 41 58.1	20.1 V	691
1997 GO ₄	1997 04 09.24016	10 33 02.74	+07 31 22.5	20.0 V	691	1997 GV ₄	1997 04 09.35596	12 08 35.77	+00 42 05.8	20.0 V	691
1997 GP ₄	* 1997 04 07.26685	11 54 57.50	+00 28 26.7	20.0 V	691	1997 GW ₄	1997 03 14.37482	12 30 08.64	-01 15 11.3	20.4 V	691
1997 GP ₄	1997 04 07.28871	11 54 56.27	+00 28 29.5	19.9 V	691	1997 GW ₄	1997 03 14.40661	12 30 07.10	-01 15 03.0	20.3 V	691
1997 GP ₄	1997 04 07.31125	11 54 54.97	+00 28 32.2	20.0 V	691	1997 GW ₄	1997 03 14.43557	12 30 05.77	-01 14 55.8	20.1 V	691
1997 GP ₄	1997 04 09.30153	11 53 10.43	+00 32 16.1	19.8 V	691	1997 GW ₄	* 1997 04 07.27769	12 10 35.70	+00 29 51.1	20.2 V	691
1997 GP ₄	1997 04 09.34525	11 53 08.10	+00 32 20.9	20.2 V	691	1997 GW ₄	1997 04 07.29954	12 10 34.65	+00 29 56.2	20.1 V	691
1997 GQ ₄	* 1997 04 07.26992	11 59 23.44	+00 27 19.2	20.6 V	691	1997 GW ₄	1997 04 07.32208	12 10 33.57	+00 30 02.0	19.9 V	691
1997 GQ ₄	1997 04 07.29178	11 59 22.38	+00 27 29.8	20.4 V	691	1997 GW ₄	1997 04 09.31251	12 09 01.49	+00 37 45.5	20.2 V	691
1997 GQ ₄	1997 04 07.31432	11 59 21.23	+00 27 40.6	20.1 V	691	1997 GW ₄	1997 04 09.33446	12 09 00.46	+00 37 50.4	20.4 V	691
1997 GQ ₄	1997 04 09.30475	11 57 48.94	+00 43 17.5	20.2 V	691	1997 GW ₄	1997 04 09.35623	12 08 59.43	+00 37 55.5	20.7 V	691
1997 GQ ₄	1997 04 09.32669	11 57 47.93	+00 43 27.3	20.0 V	691	1997 GW ₄	1997 04 13.26074	12 06 07.96	+00 52 00.9	20.9 V	691
1997 GQ ₄	1997 04 09.34847	11 57 46.93	+00 43 37.8	20.4 V	691	1997 GW ₄	1997 04 13.28235	12 06 06.99	+00 52 05.8	21.1 V	691
1997 GR ₄	1997 03 14.37247	12 26 44.90	-01 18 03.2	19.4 V	691	1997 GW ₄	1997 04 16.28975	12 04 04.11	+01 01 51.1	20.5 V	691
1997 GR ₄	1997 03 14.40425	12 26 43.26	-01 17 55.0	19.7 V	691	1997 GW ₄	1997 04 16.31140	12 04 03.24	+01 01 54.8	20.8 V	691
1997 GR ₄	1997 03 14.43321	12 26 41.77	-01 17 47.4	18.9 V	691	1997 GW ₄	1997 04 16.33386	12 04 02.29	+01 01 59.2	20.3 V	691
1997 GR ₄	* 1997 04 07.27465	12 06 12.98	+00 27 56.0	19.2 V	691	1997 GX ₄	* 1997 04 07.27818	12 11 18.73	+00 29 42.7	19.2 V	691

1997 GX ₄	1997 04 07.30004	12 11 17.76	+00 29 48.3	19.1 V	691	1997 GE ₅	* 1997 04 08.23415	12 01 23.33	-00 38 39.1	21.1 V	691
1997 GX ₄	1997 04 07.32258	12 11 16.73	+00 29 54.0	19.2 V	691	1997 GE ₅	1997 04 08.25521	12 01 22.37	-00 38 30.5	20.8 V	691
1997 GX ₄	1997 04 09.31308	12 09 50.51	+00 37 51.4	19.3 V	691	1997 GE ₅	1997 04 08.27624	12 01 21.44	-00 38 22.1	21.5 V	691
1997 GX ₄	1997 04 09.33502	12 09 49.53	+00 37 56.6	19.5 V	691	1997 GE ₅	1997 04 09.26152	12 00 39.07	-00 31 42.2	21.7 V	691
1997 GX ₄	1997 04 09.35680	12 09 48.55	+00 38 01.8	19.5 V	691	1997 GE ₅	1997 04 09.27124	12 00 38.65	-00 31 39.0	21.4 V	691
1997 GX ₄	1997 04 13.23999	12 07 08.99	+00 52 31.8	19.4 V	691	1997 GE ₅	1997 04 09.28470	12 00 38.05	-00 31 32.9	21.3 V	691
1997 GX ₄	1997 04 13.26144	12 07 08.14	+00 52 36.5	19.5 V	691	1997 GF ₅	* 1997 04 08.23441	12 01 45.24	-00 39 23.1	21.6 V	691
1997 GX ₄	1997 04 13.28304	12 07 07.26	+00 52 41.2	19.6 V	691	1997 GF ₅	1997 04 08.27649	12 01 42.96	-00 39 01.4	20.9 V	691
1997 GY ₄	* 1997 04 07.27945	12 13 08.32	+00 31 32.4	20.7 V	691	1997 GF ₅	1997 04 09.26167	12 00 52.31	-00 30 29.8	21.3 V	691
1997 GY ₄	1997 04 07.30131	12 13 07.19	+00 31 41.0	20.6 V	691	1997 GF ₅	1997 04 09.27139	12 00 51.81	-00 30 24.5	21.0 V	691
1997 GY ₄	1997 04 07.32384	12 13 06.07	+00 31 49.6	20.1 V	691	1997 GF ₅	1997 04 09.28485	12 00 51.08	-00 30 17.6	21.1 V	691
1997 GY ₄	1997 04 09.31424	12 11 31.11	+00 44 33.3	20.7 V	691	1997 GG ₅	* 1997 04 08.23441	12 01 45.36	-00 57 43.2	20.8 V	691
1997 GY ₄	1997 04 09.33618	12 11 30.04	+00 44 41.5	21.0 V	691	1997 GG ₅	1997 04 08.25546	12 01 44.33	-00 57 39.8	20.7 V	691
1997 GY ₄	1997 04 09.35796	12 11 28.97	+00 44 49.7	20.8 V	691	1997 GG ₅	1997 04 08.27650	12 01 43.28	-00 57 36.4	20.6 V	691
1997 GZ ₄	* 1997 04 07.29473	12 03 37.27	+00 27 19.6	20.2 V	691	1997 GG ₅	1997 04 09.26174	12 00 58.11	-00 54 59.4	21.0 V	691
1997 GZ ₄	1997 04 07.31726	12 03 36.03	+00 27 28.1	20.1 V	691	1997 GG ₅	1997 04 09.28492	12 00 56.99	-00 54 56.0	20.8 V	691
1997 GZ ₄	1997 04 09.30757	12 01 53.88	+00 39 53.5	20.3 V	691	1997 GG ₅	1997 04 14.19160	11 57 29.34	-00 43 31.3	20.9 V	691
1997 GZ ₄	1997 04 09.32952	12 01 52.74	+00 40 01.3	20.9 V	691	1997 GG ₅	1997 04 14.21422	11 57 28.41	-00 43 28.1	21.2 V	691
1997 GZ ₄	1997 04 09.35129	12 01 51.63	+00 40 09.2	20.9 V	691	1997 GG ₅	1997 04 14.23592	11 57 27.49	-00 43 25.6	21.2 V	691
1997 GZ ₄	1997 04 13.23415	11 58 43.12	+01 03 07.6	20.9 V	691	1997 GH ₅	* 1997 04 08.23487	12 02 25.53	-00 53 27.4	18.7 V	691
1997 GZ ₄	1997 04 13.25559	11 58 42.03	+01 03 14.4	20.7 V	691	1997 GH ₅	1997 04 08.25593	12 02 24.70	-00 53 18.8	18.6 V	691
1997 GZ ₄	1997 04 13.27720	11 58 40.99	+01 03 21.7	20.9 V	691	1997 GH ₅	1997 04 08.27697	12 02 23.89	-00 53 10.1	18.6 V	691
1997 GA ₅	* 1997 04 07.37341	14 37 30.70	+03 03 54.8	20.1 V	691	1997 GH ₅	1997 04 09.26230	12 01 47.21	-00 46 28.6	18.7 V	691
1997 GA ₅	1997 04 07.39497	14 37 28.83	+03 03 49.1	20.1 V	691	1997 GH ₅	1997 04 09.27203	12 01 46.88	-00 46 24.5	18.9 V	691
1997 GA ₅	1997 04 07.41691	14 37 26.93	+03 03 44.0	20.2 V	691	1997 GH ₅	1997 04 09.28549	12 01 46.33	-00 46 20.0	18.4 V	691
1997 GA ₅	1997 04 09.36849	14 34 39.36	+02 55 26.7	20.1 V	691	1997 GJ ₅	* 1997 04 08.23519	12 02 52.72	-00 39 05.4	21.1 V	691
1997 GA ₅	1997 04 09.37470	14 34 38.78	+02 55 24.9	20.2 V	691	1997 GJ ₅	1997 04 08.25624	12 02 51.57	-00 39 02.1	20.7 V	691
1997 GA ₅	1997 04 09.38099	14 34 38.22	+02 55 23.3	20.2 V	691	1997 GJ ₅	1997 04 08.27727	12 02 50.48	-00 39 00.4	20.8 V	691
1997 GA ₅	1997 04 12.43120	14 30 02.86	+02 40 55.9	20.2 V	691	1997 GJ ₅	1997 04 09.26244	12 01 59.14	-00 37 10.4	21.1 V	691
1997 GA ₅	1997 04 12.43687	14 30 02.33	+02 40 54.2	20.1 V	691	1997 GJ ₅	1997 04 09.27216	12 01 58.69	-00 37 09.1	21.2 V	691
1997 GA ₅	1997 04 12.44278	14 30 01.75	+02 40 52.7	20.3 V	691	1997 GJ ₅	1997 04 09.28562	12 01 57.94	-00 37 07.4	20.9 V	691
1997 GB ₅	* 1997 04 08.23065	11 56 19.75	-00 35 38.7	18.9 V	691	1997 GK ₅	* 1997 04 08.23521	12 02 54.85	-00 58 13.5	20.4 V	691
1997 GB ₅	1997 04 08.25170	11 56 18.64	-00 35 30.9	18.9 V	691	1997 GK ₅	1997 04 08.25626	12 02 53.82	-00 58 07.0	20.2 V	691
1997 GB ₅	1997 04 08.27274	11 56 17.52	-00 35 23.0	18.9 V	691	1997 GK ₅	1997 04 08.27730	12 02 52.80	-00 58 01.0	20.2 V	691
1997 GB ₅	1997 04 09.25812	11 55 27.65	-00 29 16.8	18.8 V	691	1997 GK ₅	1997 04 09.26255	12 02 08.41	-00 53 10.9	20.9 V	691
1997 GB ₅	1997 04 09.26784	11 55 27.13	-00 29 12.9	18.8 V	691	1997 GK ₅	1997 04 09.27227	12 02 07.97	-00 53 08.1	20.9 V	691
1997 GB ₅	1997 04 09.28134	11 55 26.41	-00 29 07.4	18.9 V	691	1997 GK ₅	1997 04 09.28573	12 02 07.34	-00 53 04.3	20.6 V	691
1997 GB ₅	1997 04 16.18752	11 50 04.95	+00 10 43.3	19.0 V	691	1997 GK ₅	1997 04 15.19209	11 58 06.61	-00 26 45.9	20.6 V	691
1997 GB ₅	1997 04 16.20929	11 50 04.00	+00 10 50.4	19.0 V	691	1997 GK ₅	1997 04 15.21399	11 58 05.73	-00 26 40.7	20.4 V	691
1997 GB ₅	1997 04 16.23161	11 50 03.00	+00 10 57.5	19.1 V	691	1997 GK ₅	1997 04 15.23556	11 58 04.87	-00 26 35.9	20.8 V	691
1997 GC ₅	* 1997 04 08.23094	11 56 44.84	-00 51 47.5	20.5 V	691	1997 GL ₅	* 1997 04 08.23550	12 03 19.99	-00 40 03.2	21.0 V	691
1997 GC ₅	1997 04 08.25200	11 56 44.04	-00 51 39.2	20.4 V	691	1997 GL ₅	1997 04 08.25655	12 03 18.95	-00 39 59.1	21.0 V	691
1997 GC ₅	1997 04 08.27303	11 56 43.25	-00 51 30.9	20.3 V	691	1997 GL ₅	1997 04 08.27759	12 03 17.94	-00 39 55.2	20.8 V	691
1997 GC ₅	1997 04 09.25839	11 56 08.64	-00 45 01.2	20.3 V	691	1997 GL ₅	1997 04 09.26283	12 02 32.47	-00 36 54.0	21.1 V	691
1997 GC ₅	1997 04 09.26812	11 56 08.23	-00 44 56.9	20.4 V	691	1997 GL ₅	1997 04 09.27255	12 02 32.01	-00 36 52.2	20.8 V	691
1997 GC ₅	1997 04 09.28158	11 56 07.74	-00 44 51.3	20.2 V	691	1997 GL ₅	1997 04 09.28601	12 02 31.40	-00 36 49.7	20.8 V	691
1997 GD ₅	* 1997 04 08.23350	12 00 26.53	-01 00 17.6	18.1 V	691	1997 GM ₅	* 1997 04 08.23577	12 03 43.09	-00 58 47.4	19.5 V	691
1997 GD ₅	1997 04 08.25455	12 00 25.29	-01 00 16.6	18.1 V	691	1997 GM ₅	1997 04 08.25682	12 03 41.91	-00 58 42.7	19.3 V	691
1997 GD ₅	1997 04 08.27558	12 00 24.05	-01 00 15.5	18.0 V	691	1997 GM ₅	1997 04 08.27785	12 03 40.74	-00 58 38.3	19.1 V	691
1997 GD ₅	1997 04 09.26072	11 59 29.89	-00 59 23.9	18.0 V	691	1997 GM ₅	1997 04 09.26302	12 02 49.56	-00 55 03.3	19.2 V	691
1997 GD ₅	1997 04 09.27044	11 59 29.28	-00 59 23.2	18.1 V	691	1997 GM ₅	1997 04 09.27274	12 02 49.06	-00 55 01.5	19.3 V	691
1997 GD ₅	1997 04 09.28390	11 59 28.51	-00 59 22.5	18.1 V	691	1997 GM ₅	1997 04 09.28620	12 02 48.32	-00 54 58.7	19.3 V	691

1997 GN ₅	* 1997 04 08.23737	12 06 02.23	-00 58 59.6	19.3 V	691	1997 GV ₂₄	1997 04 11.22892	12 04 43.31	-08 55 16.0	19.9 V	691
1997 GN ₅	1997 04 08.25843	12 06 01.11	-00 58 52.0	19.3 V	691	1997 GB ₂₅	1997 04 02.18768	12 02 51.20	-00 36 41.3	20.3 V	691
1997 GN ₅	1997 04 08.27946	12 06 00.00	-00 58 44.4	19.2 V	691	1997 GB ₂₅	1997 04 02.21438	12 02 49.78	-00 36 30.5	20.2 V	691
1997 GN ₅	1997 04 09.26466	12 05 11.15	-00 52 49.5	19.3 V	691	1997 GB ₂₅	1997 04 02.23609	12 02 48.36	-00 36 21.6	20.8 V	691
1997 GN ₅	1997 04 09.27438	12 05 10.68	-00 52 46.7	19.2 V	691	1997 GB ₂₅	* 1997 04 07.20546	11 58 28.83	-00 02 36.2	20.6 V	691
1997 GN ₅	1997 04 09.28784	12 05 09.97	-00 52 41.7	19.2 V	691	1997 GB ₂₅	1997 04 07.22673	11 58 27.67	-00 02 28.1	20.4 V	691
1997 GN ₅	1997 04 15.19393	12 00 45.47	-00 20 26.0	19.8 V	691	1997 GB ₂₅	1997 04 07.24763	11 58 26.63	-00 02 19.9	20.4 V	691
1997 GN ₅	1997 04 15.21582	12 00 44.56	-00 20 19.8	19.4 V	691	1997 GB ₂₅	1997 04 12.22091	11 54 28.41	+00 29 06.4	20.7 V	691
1997 GN ₅	1997 04 15.23739	12 00 43.61	-00 20 13.4	19.4 V	691	1997 GB ₂₅	1997 04 12.24440	11 54 27.28	+00 29 14.7	20.7 V	691
1997 GO ₅	* 1997 04 08.25693	12 03 51.34	-00 36 22.7	21.2 V	691	1997 GB ₂₅	1997 04 12.26557	11 54 26.28	+00 29 22.3	20.6 V	691
1997 GO ₅	1997 04 08.27796	12 03 50.09	-00 36 18.8	21.2 V	691	1997 GB ₂₅	1997 04 13.23069	11 53 43.28	+00 35 07.3	20.5 V	691
1997 GO ₅	1997 04 09.26307	12 02 53.69	-00 33 08.9	21.0 V	691	1997 GB ₂₅	1997 04 13.25213	11 53 42.27	+00 35 14.7	20.2 V	691
1997 GO ₅	1997 04 09.27279	12 02 53.15	-00 33 07.1	21.3 V	691	1997 GB ₂₅	1997 04 13.27374	11 53 41.28	+00 35 22.4	20.9 V	691
1997 GO ₅	1997 04 09.28625	12 02 52.36	-00 33 04.7	21.1 V	691	1997 GB ₂₅	1997 04 16.28110	11 51 34.87	+00 52 25.0	20.6 V	691
1997 GP ₅	* 1997 04 08.44533	15 49 00.24	-06 39 16.5	20.2 V	691	1997 GB ₂₅	1997 04 16.30275	11 51 33.94	+00 52 31.9	20.8 V	691
1997 GP ₅	1997 04 08.46295	15 48 59.98	-06 38 55.8	20.3 V	691	1997 GB ₂₅	1997 04 16.32521	11 51 33.02	+00 52 39.3	20.7 V	691
1997 GP ₅	1997 04 08.48059	15 48 59.75	-06 38 35.0	20.4 V	691	1997 GC ₂₅	* 1997 04 07.26743	11 55 46.98	+00 05 30.9	19.7 V	691
1997 GP ₅	1997 04 09.40917	15 48 49.74	-06 20 24.2	20.1 V	691	1997 GC ₂₅	1997 04 07.28929	11 55 46.04	+00 05 37.1	19.6 V	691
1997 GP ₅	1997 04 09.43052	15 48 49.38	-06 19 58.2	20.2 V	691	1997 GC ₂₅	1997 04 07.31183	11 55 45.01	+00 05 43.5	19.5 V	691
1997 GP ₅	1997 04 09.45195	15 48 49.10	-06 19 33.2	20.3 V	691	1997 GC ₂₅	1997 04 12.21958	11 52 33.20	+00 27 39.9	19.9 V	691
1997 GQ ₅	* 1997 04 08.45853	16 08 04.35	-06 30 25.4	20.3 V	691	1997 GC ₂₅	1997 04 12.24308	11 52 32.31	+00 27 45.8	20.0 V	691
1997 GQ ₅	1997 04 08.47615	16 08 04.03	-06 30 21.6	20.7 V	691	1997 GC ₂₅	1997 04 12.26425	11 52 31.48	+00 27 50.8	19.9 V	691
1997 GQ ₅	1997 04 08.49380	16 08 03.73	-06 30 17.2	20.4 V	691	1997 GC ₂₅	1997 04 16.28016	11 50 13.20	+00 43 47.1	19.7 V	691
1997 GQ ₅	1997 04 09.42231	16 07 48.10	-06 26 34.1	19.9 V	691	1997 GC ₂₅	1997 04 16.30181	11 50 12.48	+00 43 51.9	19.7 V	691
1997 GQ ₅	1997 04 09.44366	16 07 47.71	-06 26 29.4	19.9 V	691	1997 GC ₂₅	1997 04 16.32427	11 50 11.73	+00 43 57.1	19.6 V	691
1997 GQ ₅	1997 04 09.46509	16 07 47.31	-06 26 24.3	20.1 V	691	1997 GD ₂₅	1997 03 10.37150	12 24 01.87	-02 09 31.4	20.7 V	691
1997 GT ₅	1997 03 14.37373	12 28 34.47	-01 07 44.9	19.6 V	691	1997 GD ₂₅	1997 03 10.39237	12 24 00.88	-02 09 26.2	20.5 V	691
1997 GT ₅	1997 03 14.40552	12 28 32.94	-01 07 34.4	19.5 V	691	1997 GD ₂₅	1997 03 10.41330	12 23 59.90	-02 09 20.2	20.5 V	691
1997 GT ₅	1997 03 14.43448	12 28 31.54	-01 07 24.5	19.7 V	691	1997 GD ₂₅	1997 03 13.42316	12 21 38.72	-01 55 45.0	20.0 V	691
1997 GS ₂₄	* 1997 04 07.44114	14 40 31.09	+04 00 11.3	18.6 V	691	1997 GD ₂₅	1997 03 13.44482	12 21 37.71	-01 55 37.8	20.3 V	691
1997 GS ₂₄	1997 04 07.46681	14 40 30.00	+04 00 22.7	18.9 V	691	1997 GD ₂₅	* 1997 04 07.27121	12 01 14.78	+00 02 19.6	20.7 V	691
1997 GS ₂₄	1997 04 07.49216	14 40 28.95	+04 00 35.7	19.1 V	691	1997 GD ₂₅	1997 04 07.29307	12 01 13.77	+00 02 25.5	20.6 V	691
1997 GS ₂₄	1997 04 10.37541	14 38 28.17	+04 25 24.3	19.3 V	691	1997 GD ₂₅	1997 04 07.31561	12 01 12.71	+00 02 31.1	20.6 V	691
1997 GS ₂₄	1997 04 10.39673	14 38 27.20	+04 25 35.4	19.1 V	691	1997 GD ₂₅	1997 04 12.22315	11 57 41.89	+00 22 29.1	21.0 V	691
1997 GS ₂₄	1997 04 10.41794	14 38 26.21	+04 25 46.3	19.1 V	691	1997 GD ₂₅	1997 04 12.24664	11 57 40.89	+00 22 34.7	21.1 V	691
1997 GT ₂₄	* 1997 04 07.44396	14 44 35.75	+03 55 17.2	20.1 V	691	1997 GD ₂₅	1997 04 12.26781	11 57 40.00	+00 22 39.2	20.9 V	691
1997 GT ₂₄	1997 04 07.46964	14 44 34.74	+03 55 29.3	19.9 V	691	1997 GD ₂₅	1997 04 16.28353	11 55 04.83	+00 37 08.2	20.7 V	691
1997 GT ₂₄	1997 04 07.49498	14 44 33.78	+03 55 41.5	20.0 V	691	1997 GD ₂₅	1997 04 16.30517	11 55 04.05	+00 37 13.5	20.5 V	691
1997 GT ₂₄	1997 04 10.37834	14 42 42.26	+04 18 13.4	20.6 V	691	1997 GD ₂₅	1997 04 16.32763	11 55 03.15	+00 37 17.4	20.9 V	691
1997 GT ₂₄	1997 04 10.39966	14 42 41.36	+04 18 23.6	20.5 V	691	1997 GE ₂₅	* 1997 04 07.27820	12 11 19.96	+00 02 43.9	19.6 V	691
1997 GT ₂₄	1997 04 10.42088	14 42 40.43	+04 18 33.3	20.7 V	691	1997 GE ₂₅	1997 04 07.30006	12 11 18.95	+00 02 52.6	19.9 V	691
1997 GU ₂₄	* 1997 04 10.23197	12 03 10.17	-09 05 10.3	20.6 V	691	1997 GE ₂₅	1997 04 07.32259	12 11 17.78	+00 03 00.5	20.1 V	691
1997 GU ₂₄	1997 04 10.25355	12 03 09.13	-09 04 59.6	21.4 V	691	1997 GE ₂₅	1997 04 12.22984	12 07 21.44	+00 30 23.0	20.3 V	691
1997 GU ₂₄	1997 04 10.27854	12 03 07.86	-09 04 47.7	20.6 V	691	1997 GE ₂₅	1997 04 12.25333	12 07 20.33	+00 30 30.9	20.8 V	691
1997 GU ₂₄	1997 04 11.17997	12 02 26.64	-08 57 26.1	20.3 V	691	1997 GE ₂₅	1997 04 12.27450	12 07 19.29	+00 30 37.7	20.7 V	691
1997 GU ₂₄	1997 04 11.20428	12 02 25.43	-08 57 14.5	20.8 V	691	1997 GE ₂₅	1997 04 13.23960	12 06 35.03	+00 35 44.2	20.1 V	691
1997 GU ₂₄	1997 04 11.22731	12 02 24.28	-08 57 03.5	20.7 V	691	1997 GE ₂₅	1997 04 13.26104	12 06 34.04	+00 35 50.7	20.6 V	691
1997 GV ₂₄	* 1997 04 10.23352	12 05 24.56	-09 02 15.7	20.0 V	691	1997 GE ₂₅	1997 04 13.28265	12 06 33.01	+00 35 57.7	20.5 V	691
1997 GV ₂₄	1997 04 10.25510	12 05 23.64	-09 02 06.5	21.0 V	691	1997 GE ₂₅	1997 04 16.28994	12 04 20.59	+00 51 12.1	20.2 V	691
1997 GV ₂₄	1997 04 10.28010	12 05 22.56	-09 01 55.8	20.1 V	691	1997 GE ₂₅	1997 04 16.31159	12 04 19.61	+00 51 19.0	20.0 V	691
1997 GV ₂₄	1997 04 11.18158	12 04 45.38	-08 55 35.7	19.9 V	691	1997 GE ₂₅	1997 04 16.33405	12 04 18.64	+00 51 24.8	20.0 V	691
1997 GV ₂₄	1997 04 11.20588	12 04 44.26	-08 55 25.5	20.1 V	691	1997 GF ₂₅	* 1997 04 07.27857	12 11 52.29	+00 01 07.2	20.3 V	691

1997 GF ₂₅	1997 04 07.30043	12 11 51.29	+00 01 12.4	20.1 V	691	1997 GN ₂₅	1997 04 12.23125	12 09 23.55	+00 00 50.7	21.0 V	691
1997 GF ₂₅	1997 04 07.32297	12 11 50.24	+00 01 17.7	19.9 V	691	1997 GN ₂₅	1997 04 12.25474	12 09 22.47	+00 01 00.5	20.7 V	691
1997 GF ₂₅	1997 04 12.23050	12 08 18.83	+00 19 35.1	20.2 V	691	1997 GN ₂₅	1997 04 12.27591	12 09 21.47	+00 01 08.9	21.0 V	691
1997 GF ₂₅	1997 04 12.25399	12 08 17.85	+00 19 39.7	20.6 V	691	1997 GN ₂₅	1997 04 16.19900	12 06 39.23	+00 26 52.2	20.8 V	691
1997 GF ₂₅	1997 04 12.27517	12 08 16.88	+00 19 44.4	20.4 V	691	1997 GN ₂₅	1997 04 16.22077	12 06 38.36	+00 27 00.2	21.0 V	691
1997 GG ₂₅	* 1997 04 07.27869	12 12 02.92	+00 02 08.7	20.0 V	691	1997 GN ₂₅	1997 04 16.24309	12 06 37.45	+00 27 08.2	21.1 V	691
1997 GG ₂₅	1997 04 07.30055	12 12 01.83	+00 02 15.0	19.9 V	691	1997 GO ₂₅	* 1997 04 08.33934	12 13 11.79	-00 06 59.3	20.6 V	691
1997 GG ₂₅	1997 04 07.32309	12 12 00.71	+00 02 20.8	19.8 V	691	1997 GO ₂₅	1997 04 08.36223	12 13 10.64	-00 06 51.3	20.5 V	691
1997 GG ₂₅	1997 04 12.23042	12 08 12.14	+00 22 42.6	20.3 V	691	1997 GO ₂₅	1997 04 08.38722	12 13 09.36	-00 06 43.3	21.0 V	691
1997 GG ₂₅	1997 04 12.25392	12 08 11.04	+00 22 48.0	20.3 V	691	1997 GO ₂₅	1997 04 12.23175	12 10 07.15	+00 12 35.3	21.0 V	691
1997 GG ₂₅	1997 04 12.27509	12 08 10.05	+00 22 53.2	20.3 V	691	1997 GO ₂₅	1997 04 12.25524	12 10 06.04	+00 12 41.6	21.7 V	691
1997 GG ₂₅	1997 04 16.29061	12 05 18.15	+00 37 47.3	20.1 V	691	1997 GO ₂₅	1997 04 12.27641	12 10 04.99	+00 12 48.1	21.0 V	691
1997 GG ₂₅	1997 04 16.31225	12 05 17.23	+00 37 51.8	20.3 V	691	1997 GP ₂₅	* 1997 04 09.36877	14 35 04.01	+02 52 27.2	18.8 V	691
1997 GG ₂₅	1997 04 16.33471	12 05 16.29	+00 37 56.1	19.9 V	691	1997 GP ₂₅	1997 04 09.37499	14 35 03.62	+02 52 27.7	18.8 V	691
1997 GH ₂₅	* 1997 04 08.22909	11 54 04.91	-00 49 53.9	18.1 V	691	1997 GP ₂₅	1997 04 09.38128	14 35 03.22	+02 52 28.6	18.8 V	691
1997 GH ₂₅	1997 04 08.25015	11 54 04.16	-00 49 35.2	18.2 V	691	1997 GP ₂₅	1997 04 12.43244	14 31 50.22	+02 57 40.3	18.8 V	691
1997 GH ₂₅	1997 04 08.27119	11 54 03.36	-00 49 17.7	17.7 V	691	1997 GP ₂₅	1997 04 12.43811	14 31 49.85	+02 57 40.7	18.8 V	691
1997 GH ₂₅	1997 04 12.21919	11 51 59.11	+00 07 53.8	18.2 V	691	1997 GP ₂₅	1997 04 12.44403	14 31 49.44	+02 57 41.4	18.9 V	691
1997 GH ₂₅	1997 04 12.24268	11 51 58.39	+00 08 13.6	18.3 V	691	1997 GQ ₂₅	* 1997 04 09.41342	15 54 58.27	-06 14 21.1	20.1 V	691
1997 GH ₂₅	1997 04 12.26386	11 51 57.73	+00 08 31.7	18.2 V	691	1997 GQ ₂₅	1997 04 09.43476	15 54 56.71	-06 14 56.8	20.2 V	691
1997 GJ ₂₅	* 1997 04 08.32795	11 56 45.37	-00 08 06.6	21.0 V	691	1997 GQ ₂₅	1997 04 09.45618	15 54 55.20	-06 15 32.5	20.1 V	691
1997 GJ ₂₅	1997 04 08.35084	11 56 44.43	-00 07 56.0	21.0 V	691	1997 GQ ₂₅	1997 04 12.45531	15 51 13.05	-07 41 28.1	20.4 V	691
1997 GJ ₂₅	1997 04 08.37583	11 56 43.38	-00 07 44.4	21.5 V	691	1997 GQ ₂₅	1997 04 12.46991	15 51 11.81	-07 41 53.3	20.3 V	691
1997 GJ ₂₅	1997 04 12.22074	11 54 13.08	+00 21 34.6	21.3 V	691	1997 GQ ₂₅	1997 04 13.32177	15 50 03.24	-08 06 57.1	20.4 V	691
1997 GJ ₂₅	1997 04 12.24423	11 54 12.22	+00 21 44.8	21.4 V	691	1997 GQ ₂₅	1997 04 13.33275	15 50 02.28	-08 07 16.0	20.6 V	691
1997 GJ ₂₅	1997 04 12.26540	11 54 11.36	+00 21 54.2	21.0 V	691	1997 GQ ₂₅	1997 04 13.34432	15 50 01.27	-08 07 36.7	20.4 V	691
1997 GK ₂₅	1997 04 02.18697	12 01 49.98	-00 45 29.3	17.2 V	691	1997 GQ ₂₅	1997 04 14.45565	15 48 26.57	-08 40 42.8	20.4 V	691
1997 GK ₂₅	1997 04 02.21368	12 01 48.56	-00 45 18.1	17.3 V	691	1997 GQ ₂₅	1997 04 14.46559	15 48 25.66	-08 41 00.9	20.3 V	691
1997 GK ₂₅	* 1997 04 08.32800	11 56 49.60	-00 03 24.2	17.6 V	691	1997 GQ ₂₅	1997 04 14.47483	15 48 24.85	-08 41 17.6	20.6 V	691
1997 GK ₂₅	1997 04 08.35089	11 56 48.49	-00 03 15.5	17.6 V	691	1997 GF ₂₆	* 1997 04 07.13082	10 15 03.01	+07 19 56.2	19.2 V	691
1997 GK ₂₅	1997 04 08.37588	11 56 47.30	-00 03 05.5	17.7 V	691	1997 GF ₂₆	1997 04 07.15363	10 15 02.40	+07 19 56.6	19.2 V	691
1997 GK ₂₅	1997 04 12.22059	11 54 00.60	+00 21 01.9	17.7 V	691	1997 GF ₂₆	1997 04 07.17548	10 15 01.81	+07 19 56.8	19.3 V	691
1997 GK ₂₅	1997 04 12.24408	11 53 59.58	+00 21 10.2	17.8 V	691	1997 GF ₂₆	1997 04 13.15965	10 12 59.45	+07 18 25.3	19.1 V	691
1997 GK ₂₅	1997 04 12.26526	11 53 58.67	+00 21 17.7	17.7 V	691	1997 GF ₂₆	1997 04 13.18119	10 12 59.07	+07 18 24.3	18.9 V	691
1997 GK ₂₅	1997 04 16.28100	11 51 26.30	+00 44 02.3	17.7 V	691	1997 GF ₂₆	1997 04 13.20298	10 12 58.72	+07 18 23.1	19.0 V	691
1997 GK ₂₅	1997 04 16.30265	11 51 25.49	+00 44 09.3	17.6 V	691	1997 GG ₂₆	* 1997 04 07.13326	10 18 34.77	+07 01 47.8	19.5 V	691
1997 GK ₂₅	1997 04 16.32511	11 51 24.66	+00 44 16.2	17.7 V	691	1997 GG ₂₆	1997 04 07.15608	10 18 34.15	+07 01 49.2	19.3 V	691
1997 GL ₂₅	* 1997 04 08.33036	12 00 14.47	-00 10 39.9	21.2 V	691	1997 GG ₂₆	1997 04 07.17792	10 18 33.62	+07 01 50.8	19.7 V	691
1997 GL ₂₅	1997 04 08.35326	12 00 13.27	-00 10 33.2	21.3 V	691	1997 GG ₂₆	1997 04 13.16215	10 16 35.54	+07 06 32.5	19.4 V	691
1997 GL ₂₅	1997 04 08.37824	12 00 11.95	-00 10 25.9	21.2 V	691	1997 GG ₂₆	1997 04 13.18369	10 16 35.17	+07 06 33.1	19.4 V	691
1997 GL ₂₅	1997 04 12.22267	11 57 00.39	+00 06 53.2	21.8 V	691	1997 GG ₂₆	1997 04 13.20548	10 16 34.82	+07 06 33.4	19.6 V	691
1997 GL ₂₅	1997 04 12.24616	11 56 59.21	+00 06 58.8	21.3 V	691	1997 GH ₂₆	* 1997 04 07.13759	10 24 49.56	+07 08 07.5	19.6 V	691
1997 GL ₂₅	1997 04 12.26733	11 56 58.20	+00 07 04.8	21.3 V	691	1997 GH ₂₆	1997 04 07.16041	10 24 49.16	+07 08 12.5	19.7 V	691
1997 GM ₂₅	* 1997 04 08.33655	12 09 10.51	-00 06 54.5	20.1 V	691	1997 GH ₂₆	1997 04 07.18225	10 24 48.76	+07 08 16.7	20.2 V	691
1997 GM ₂₅	1997 04 08.35945	12 09 09.52	-00 06 47.1	20.1 V	691	1997 GH ₂₆	1997 04 13.16697	10 23 32.69	+07 27 29.0	19.9 V	691
1997 GM ₂₅	1997 04 08.38443	12 09 08.44	-00 06 39.7	20.3 V	691	1997 GH ₂₆	1997 04 13.18851	10 23 32.48	+07 27 32.6	20.1 V	691
1997 GM ₂₅	1997 04 12.22928	12 06 32.75	+00 12 24.3	20.1 V	691	1997 GH ₂₆	1997 04 13.21030	10 23 32.24	+07 27 36.6	19.8 V	691
1997 GM ₂₅	1997 04 12.25277	12 06 31.82	+00 12 31.6	20.4 V	691	1997 GJ ₂₆	* 1997 04 07.13869	10 26 24.76	+07 03 40.1	20.7 V	691
1997 GM ₂₅	1997 04 12.27394	12 06 30.92	+00 12 37.6	20.3 V	691	1997 GJ ₂₆	1997 04 07.16150	10 26 24.10	+07 03 44.8	20.9 V	691
1997 GN ₂₅	* 1997 04 08.33874	12 12 20.09	-00 26 42.0	21.1 V	691	1997 GJ ₂₆	1997 04 07.18335	10 26 23.49	+07 03 48.7	21.0 V	691
1997 GN ₂₅	1997 04 08.36163	12 12 18.96	-00 26 30.8	21.2 V	691	1997 GJ ₂₆	1997 04 13.16734	10 24 05.14	+07 21 56.6	20.6 V	691
1997 GN ₂₅	1997 04 08.38662	12 12 17.72	-00 26 20.0	21.5 V	691	1997 GJ ₂₆	1997 04 13.18888	10 24 04.71	+07 21 58.7	20.6 V	691

1997 GJ ₂₆	1997 04 13.21066	10 24 04.22	+07 22 02.4	20.8 V	691	1997 GS ₂₆	1997 04 13.22986	11 52 31.46	+00 41 30.5	20.9 V	691
1997 GK ₂₆	* 1997 04 07.14122	10 30 04.15	+06 59 46.2	20.0 V	691	1997 GS ₂₆	1997 04 13.25130	11 52 30.51	+00 41 36.3	20.7 V	691
1997 GK ₂₆	1997 04 07.16404	10 30 03.74	+06 59 51.2	20.1 V	691	1997 GS ₂₆	1997 04 13.27291	11 52 29.48	+00 41 42.6	21.4 V	691
1997 GK ₂₆	1997 04 07.18589	10 30 03.37	+06 59 56.6	20.4 V	691	1997 GS ₂₆	1997 04 16.28024	11 50 19.89	+00 54 53.8	20.3 V	691
1997 GK ₂₆	1997 04 13.17073	10 28 59.19	+07 20 57.5	20.5 V	691	1997 GS ₂₆	1997 04 16.30188	11 50 18.95	+00 55 00.6	21.0 V	691
1997 GK ₂₆	1997 04 13.19228	10 28 59.01	+07 21 01.7	20.3 V	691	1997 GS ₂₆	1997 04 16.32434	11 50 17.97	+00 55 05.6	21.0 V	691
1997 GK ₂₆	1997 04 13.21407	10 28 58.84	+07 21 05.1	20.6 V	691	1997 GT ₂₆	* 1997 04 07.26931	11 58 30.45	+00 16 27.0	20.5 V	691
1997 GL ₂₆	* 1997 04 07.14316	10 32 51.93	+06 58 59.9	20.3 V	691	1997 GT ₂₆	1997 04 07.29117	11 58 29.65	+00 16 37.3	20.2 V	691
1997 GL ₂₆	1997 04 07.16597	10 32 51.34	+06 59 02.0	21.1 V	691	1997 GT ₂₆	1997 04 07.31372	11 58 28.83	+00 16 47.1	20.2 V	691
1997 GL ₂₆	1997 04 07.18782	10 32 50.80	+06 59 05.0	21.0 V	691	1997 GT ₂₆	1997 04 13.23178	11 55 17.43	+00 59 23.8	20.2 V	691
1997 GL ₂₆	1997 04 13.17195	10 30 44.59	+07 08 22.3	20.5 V	691	1997 GT ₂₆	1997 04 13.25322	11 55 16.75	+00 59 33.0	20.5 V	691
1997 GL ₂₆	1997 04 13.19349	10 30 44.19	+07 08 23.8	20.5 V	691	1997 GT ₂₆	1997 04 13.27483	11 55 16.08	+00 59 41.6	20.9 V	691
1997 GL ₂₆	1997 04 13.21528	10 30 43.75	+07 08 25.8	20.5 V	691	1997 GU ₂₆	* 1997 04 07.27003	11 59 32.85	+00 04 47.8	18.7 V	691
1997 GM ₂₆	* 1997 04 07.14481	10 35 14.83	+07 01 00.7	20.1 V	691	1997 GU ₂₆	1997 04 07.29189	11 59 31.91	+00 04 56.7	18.4 V	691
1997 GM ₂₆	1997 04 07.16763	10 35 14.37	+07 01 05.5	21.1 V	691	1997 GU ₂₆	1997 04 07.31443	11 59 30.91	+00 05 05.7	18.3 V	691
1997 GM ₂₆	1997 04 07.18947	10 35 13.92	+07 01 11.0	20.9 V	691	1997 GU ₂₆	1997 04 13.23199	11 55 35.55	+00 42 54.5	18.5 V	691
1997 GM ₂₆	1997 04 13.17412	10 33 52.27	+07 21 41.8	20.7 V	691	1997 GU ₂₆	1997 04 13.25343	11 55 34.71	+00 43 02.5	18.4 V	691
1997 GM ₂₆	1997 04 13.19566	10 33 52.02	+07 21 46.0	20.3 V	691	1997 GU ₂₆	1997 04 13.27504	11 55 33.87	+00 43 10.0	18.9 V	691
1997 GM ₂₆	1997 04 13.21745	10 33 51.78	+07 21 50.2	19.8 V	691	1997 GV ₂₆	* 1997 04 07.27046	12 00 09.65	+00 19 11.8	19.2 V	691
1997 GN ₂₆	* 1997 04 07.14540	10 36 06.21	+07 07 36.4	19.9 V	691	1997 GV ₂₆	1997 04 07.29232	12 00 08.80	+00 19 20.6	19.1 V	691
1997 GN ₂₆	1997 04 07.16822	10 36 05.60	+07 07 35.1	20.1 V	691	1997 GV ₂₆	1997 04 07.31486	12 00 07.88	+00 19 29.9	19.0 V	691
1997 GN ₂₆	1997 04 07.19006	10 36 05.03	+07 07 35.3	19.5 V	691	1997 GV ₂₆	1997 04 13.23267	11 56 34.43	+00 58 07.1	19.2 V	691
1997 GN ₂₆	1997 04 13.17413	10 33 52.88	+07 02 46.4	19.7 V	691	1997 GV ₂₆	1997 04 13.25411	11 56 33.67	+00 58 15.2	19.2 V	691
1997 GN ₂₆	1997 04 13.19566	10 33 52.45	+07 02 45.2	19.9 V	691	1997 GV ₂₆	1997 04 13.27572	11 56 32.89	+00 58 23.2	19.3 V	691
1997 GN ₂₆	1997 04 13.21745	10 33 52.01	+07 02 43.9	19.9 V	691	1997 GW ₂₆	* 1997 04 07.27277	12 03 29.73	+00 27 46.2	19.7 V	691
1997 GO ₂₆	* 1997 04 07.14576	10 36 37.11	+07 04 25.7	19.6 V	691	1997 GW ₂₆	1997 04 07.29463	12 03 28.58	+00 27 54.0	19.8 V	691
1997 GO ₂₆	1997 04 07.16857	10 36 36.51	+07 04 31.4	19.7 V	691	1997 GW ₂₆	1997 04 07.31716	12 03 27.41	+00 28 02.3	19.6 V	691
1997 GO ₂₆	1997 04 07.19042	10 36 35.90	+07 04 37.6	19.5 V	691	1997 GW ₂₆	1997 04 13.23425	11 58 51.63	+01 00 58.2	19.9 V	691
1997 GO ₂₆	1997 04 13.17464	10 34 37.67	+07 28 45.1	19.5 V	691	1997 GW ₂₆	1997 04 13.27730	11 58 49.62	+01 01 10.9	20.5 V	691
1997 GO ₂₆	1997 04 13.19618	10 34 37.30	+07 28 49.7	19.4 V	691	1997 GX ₂₆	* 1997 04 07.27412	12 05 26.64	+00 11 55.4	20.3 V	691
1997 GO ₂₆	1997 04 13.21797	10 34 36.93	+07 28 54.4	19.7 V	691	1997 GX ₂₆	1997 04 07.29598	12 05 25.69	+00 12 05.0	20.1 V	691
1997 GP ₂₆	* 1997 04 07.14584	10 36 43.79	+07 06 01.5	20.5 V	691	1997 GX ₂₆	1997 04 07.31852	12 05 24.69	+00 12 15.6	20.1 V	691
1997 GP ₂₆	1997 04 07.16865	10 36 43.10	+07 06 01.1	20.6 V	691	1997 GX ₂₆	1997 04 13.23617	12 01 38.25	+00 54 28.0	20.5 V	691
1997 GP ₂₆	1997 04 07.19049	10 36 42.45	+07 06 01.5	20.6 V	691	1997 GX ₂₆	1997 04 13.25762	12 01 37.45	+00 54 36.4	20.4 V	691
1997 GP ₂₆	1997 04 13.17449	10 34 24.16	+07 03 57.7	20.9 V	691	1997 GX ₂₆	1997 04 13.27923	12 01 36.63	+00 54 45.0	20.7 V	691
1997 GP ₂₆	1997 04 13.19602	10 34 23.68	+07 03 58.3	20.5 V	691	1997 GY ₂₆	1997 04 10.37499	12 29 04.41	-02 03 27.2	18.9 V	691
1997 GP ₂₆	1997 04 13.21781	10 34 23.29	+07 03 56.4	20.5 V	691	1997 GY ₂₆	1997 03 10.39587	12 29 03.56	-02 03 21.8	19.0 V	691
1997 GQ ₂₆	* 1997 04 07.21070	12 06 02.71	-00 05 32.8	19.6 V	691	1997 GY ₂₆	1997 03 10.41679	12 29 02.71	-02 03 15.9	18.9 V	691
1997 GQ ₂₆	1997 04 07.23197	12 06 01.79	-00 05 24.7	19.7 V	691	1997 GY ₂₆	* 1997 04 07.27662	12 09 03.43	+00 14 03.2	19.0 V	691
1997 GQ ₂₆	1997 04 07.25287	12 06 00.89	-00 05 16.2	19.7 V	691	1997 GY ₂₆	1997 04 07.29848	12 09 02.50	+00 14 09.4	19.0 V	691
1997 GQ ₂₆	1997 04 13.23651	12 02 07.42	+00 31 58.2	19.7 V	691	1997 GY ₂₆	1997 04 07.32102	12 09 01.55	+00 14 15.6	18.9 V	691
1997 GQ ₂₆	1997 04 13.25796	12 02 06.65	+00 32 05.8	19.9 V	691	1997 GY ₂₆	1997 04 13.23863	12 05 10.66	+00 39 48.4	18.9 V	691
1997 GQ ₂₆	1997 04 13.27956	12 02 05.82	+00 32 13.4	20.2 V	691	1997 GY ₂₆	1997 04 13.26007	12 05 09.88	+00 39 53.4	19.1 V	691
1997 GR ₂₆	* 1997 04 07.21323	12 09 41.92	-00 08 20.0	20.0 V	691	1997 GY ₂₆	1997 04 13.28168	12 05 09.04	+00 39 59.0	19.4 V	691
1997 GR ₂₆	1997 04 07.23450	12 09 40.99	-00 08 07.9	20.0 V	691	1997 GY ₂₆	1997 04 16.28928	12 03 23.04	+00 51 35.0	19.0 V	691
1997 GR ₂₆	1997 04 07.25540	12 09 40.04	-00 07 56.6	20.1 V	691	1997 GY ₂₆	1997 04 16.31093	12 03 22.29	+00 51 40.0	19.1 V	691
1997 GR ₂₆	1997 04 13.23893	12 05 37.28	+00 44 37.3	20.4 V	691	1997 GY ₂₆	1997 04 16.33339	12 03 21.48	+00 51 44.9	19.2 V	691
1997 GR ₂₆	1997 04 13.26038	12 05 36.48	+00 44 47.9	20.6 V	691	1997 GZ ₂₆	* 1997 04 07.37867	14 45 05.86	+03 00 23.0	20.2 V	691
1997 GR ₂₆	1997 04 13.28199	12 05 35.58	+00 44 59.2	20.6 V	691	1997 GZ ₂₆	1997 04 07.40024	14 45 05.06	+03 00 25.7	20.3 V	691
1997 GS ₂₆	* 1997 04 07.26845	11 57 15.63	+00 12 24.9	20.7 V	691	1997 GZ ₂₆	1997 04 07.42219	14 45 04.24	+03 00 28.7	20.4 V	691
1997 GS ₂₆	1997 04 07.29031	11 57 14.50	+00 12 31.9	20.6 V	691	1997 GZ ₂₆	1997 04 13.39327	14 41 09.48	+03 10 24.4	20.2 V	691
1997 GS ₂₆	1997 04 07.31285	11 57 13.31	+00 12 38.8	20.4 V	691	1997 GZ ₂₆	1997 04 13.41496	14 41 08.51	+03 10 26.3	20.2 V	691

1997 GZ ₂₆	1997 04 13.43688	14 41 07.54	+03 10 28.1	20.4 V	691	1997 GH ₂₇	1997 04 13.25803	12 02 13.18	+00 48 47.0	17.9 V	691
1997 GA ₂₇	* 1997 04 09.18368	10 16 28.50	+07 39 29.5	19.1 V	691	1997 GH ₂₇	1997 04 13.27964	12 02 12.20	+00 48 50.7	18.1 V	691
1997 GA ₂₇	1997 04 09.20764	10 16 28.07	+07 39 25.3	19.4 V	691	1997 GH ₂₇	1997 04 16.28705	12 00 09.72	+00 56 45.1	18.0 V	691
1997 GA ₂₇	1997 04 09.22867	10 16 27.66	+07 39 21.7	19.3 V	691	1997 GH ₂₇	1997 04 16.30869	12 00 08.86	+00 56 48.5	18.1 V	691
1997 GA ₂₇	1997 04 13.16148	10 15 37.50	+07 27 02.8	19.1 V	691	1997 GH ₂₇	1997 04 16.33115	12 00 07.94	+00 56 51.7	18.2 V	691
1997 GA ₂₇	1997 04 13.18302	10 15 37.28	+07 26 58.3	19.0 V	691	1997 GJ ₂₇	* 1997 04 09.31404	12 11 14.03	+00 48 35.6	20.1 V	691
1997 GA ₂₇	1997 04 13.20481	10 15 37.03	+07 26 53.7	19.3 V	691	1997 GJ ₂₇	1997 04 09.33599	12 11 12.92	+00 48 39.2	20.5 V	691
1997 GB ₂₇	* 1997 04 09.18405	10 17 00.00	+07 46 06.8	20.0 V	691	1997 GJ ₂₇	1997 04 09.35776	12 11 11.82	+00 48 42.8	20.2 V	691
1997 GB ₂₇	1997 04 09.20800	10 16 59.34	+07 45 59.1	20.2 V	691	1997 GJ ₂₇	1997 04 13.24075	12 08 14.34	+00 58 37.1	19.9 V	691
1997 GB ₂₇	1997 04 09.22903	10 16 58.71	+07 45 52.8	20.1 V	691	1997 GJ ₂₇	1997 04 13.26219	12 08 13.37	+00 58 40.0	20.4 V	691
1997 GB ₂₇	1997 04 13.16140	10 15 30.45	+07 24 48.1	20.1 V	691	1997 GJ ₂₇	1997 04 13.28379	12 08 12.36	+00 58 43.0	20.6 V	691
1997 GB ₂₇	1997 04 13.18294	10 15 30.00	+07 24 40.9	19.9 V	691	1997 GK ₂₇	* 1997 04 09.31526	12 12 59.96	+00 42 48.4	20.9 V	691
1997 GB ₂₇	1997 04 13.20472	10 15 29.58	+07 24 33.2	20.0 V	691	1997 GK ₂₇	1997 04 09.33721	12 12 58.98	+00 42 54.2	21.0 V	691
1997 GC ₂₇	* 1997 04 09.30235	11 54 21.63	+00 42 54.3	20.9 V	691	1997 GK ₂₇	1997 04 09.35898	12 12 58.02	+00 42 59.3	21.0 V	691
1997 GC ₂₇	1997 04 09.32430	11 54 20.70	+00 42 59.5	21.0 V	691	1997 GK ₂₇	1997 04 13.24217	12 10 17.55	+00 58 27.8	20.7 V	691
1997 GC ₂₇	1997 04 09.34608	11 54 19.81	+00 43 04.7	21.2 V	691	1997 GK ₂₇	1997 04 13.26361	12 10 16.61	+00 58 32.1	21.6 V	691
1997 GC ₂₇	1997 04 13.22937	11 51 48.49	+00 57 27.8	20.6 V	691	1997 GK ₂₇	1997 04 13.28522	12 10 15.75	+00 58 37.5	21.0 V	691
1997 GC ₂₇	1997 04 13.27242	11 51 46.84	+00 57 37.0	20.9 V	691	1997 GL ₂₇	* 1997 04 09.36811	14 34 06.15	+02 44 57.3	20.3 V	691
1997 GD ₂₇	* 1997 04 09.30643	12 00 14.52	+00 43 07.7	21.0 V	691	1997 GL ₂₇	1997 04 09.37432	14 34 05.96	+02 45 00.9	20.3 V	691
1997 GD ₂₇	1997 04 09.32837	12 00 13.58	+00 43 13.2	21.2 V	691	1997 GL ₂₇	1997 04 09.38061	14 34 05.77	+02 45 05.6	20.6 V	691
1997 GD ₂₇	1997 04 09.35015	12 00 12.77	+00 43 19.1	21.3 V	691	1997 GL ₂₇	1997 04 13.29816	14 32 06.17	+03 30 11.2	20.8 V	691
1997 GD ₂₇	1997 04 13.23346	11 57 42.93	+00 59 35.5	20.8 V	691	1997 GL ₂₇	1997 04 13.30414	14 32 05.94	+03 30 15.3	20.7 V	691
1997 GD ₂₇	1997 04 13.25490	11 57 42.05	+00 59 41.3	21.3 V	691	1997 GL ₂₇	1997 04 13.30959	14 32 05.79	+03 30 19.6	20.8 V	691
1997 GD ₂₇	1997 04 13.27651	11 57 41.24	+00 59 45.8	21.7 V	691	1997 GL ₂₇	1997 04 14.38616	14 31 29.44	+03 42 29.3	20.6 V	691
1997 GE ₂₇	* 1997 04 09.30723	12 01 23.84	+00 42 55.8	18.4 V	691	1997 GL ₂₇	1997 04 14.40908	14 31 28.60	+03 42 44.5	20.5 V	691
1997 GE ₂₇	1997 04 09.32917	12 01 22.66	+00 43 00.4	18.5 V	691	1997 GL ₂₇	1997 04 14.43039	14 31 27.83	+03 42 58.8	20.6 V	691
1997 GE ₂₇	1997 04 09.35095	12 01 21.57	+00 43 05.1	18.5 V	691	1997 GM ₂₇	* 1997 04 12.22336	11 58 00.50	+00 31 06.7	20.5 V	691
1997 GE ₂₇	1997 04 13.23376	11 58 08.95	+00 55 58.4	18.7 V	691	1997 GM ₂₇	1997 04 12.24685	11 57 59.42	+00 31 14.5	20.8 V	691
1997 GE ₂₇	1997 04 13.25520	11 58 07.88	+00 56 02.6	18.8 V	691	1997 GM ₂₇	1997 04 12.26802	11 57 58.43	+00 31 20.6	20.4 V	691
1997 GE ₂₇	1997 04 13.27680	11 58 06.78	+00 56 06.3	19.0 V	691	1997 GM ₂₇	1997 04 13.23314	11 57 15.44	+00 36 19.2	20.1 V	691
1997 GF ₂₇	* 1997 04 09.30970	12 04 57.94	+00 53 16.4	19.5 V	691	1997 GM ₂₇	1997 04 13.25458	11 57 14.47	+00 36 24.8	20.3 V	691
1997 GF ₂₇	1997 04 09.33164	12 04 56.71	+00 53 19.7	19.4 V	691	1997 GM ₂₇	1997 04 13.27619	11 57 13.46	+00 36 31.7	20.8 V	691
1997 GF ₂₇	1997 04 09.35341	12 04 55.45	+00 53 23.1	19.6 V	691	1997 GN ₂₇	* 1997 04 12.23020	12 07 52.61	+00 29 23.0	20.0 V	691
1997 GF ₂₇	1997 04 13.23618	12 01 38.92	+01 01 51.2	19.4 V	691	1997 GN ₂₇	1997 04 12.25369	12 07 51.46	+00 29 26.8	20.2 V	691
1997 GF ₂₇	1997 04 13.25762	12 01 37.85	+01 01 53.4	19.6 V	691	1997 GN ₂₇	1997 04 12.27486	12 07 50.45	+00 29 29.9	20.0 V	691
1997 GF ₂₇	1997 04 13.27923	12 01 36.76	+01 01 56.2	19.8 V	691	1997 GN ₂₇	1997 04 13.23996	12 07 06.31	+00 31 59.4	19.9 V	691
1997 GG ₂₇	* 1997 04 09.30975	12 05 02.59	+00 36 00.9	19.9 V	691	1997 GN ₂₇	1997 04 13.26140	12 07 05.34	+00 32 03.0	20.0 V	691
1997 GG ₂₇	1997 04 09.33170	12 05 01.36	+00 36 05.1	20.2 V	691	1997 GN ₂₇	1997 04 13.28301	12 07 04.30	+00 32 06.1	20.1 V	691
1997 GG ₂₇	1997 04 09.35347	12 05 00.12	+00 36 09.3	20.2 V	691	1997 GN ₂₇	1997 04 16.29032	12 04 53.65	+00 39 06.3	19.7 V	691
1997 GG ₂₇	1997 04 13.23619	12 01 39.53	+00 47 34.9	19.4 V	691	1997 GN ₂₇	1997 04 16.31197	12 04 52.72	+00 39 09.4	19.9 V	691
1997 GG ₂₇	1997 04 13.25763	12 01 38.44	+00 47 37.1	20.2 V	691	1997 GN ₂₇	1997 04 16.33443	12 04 51.75	+00 39 12.2	19.9 V	691
1997 GG ₂₇	1997 04 13.27923	12 01 37.32	+00 47 40.6	20.5 V	691	1997 GO ₂₇	* 1997 04 12.43267	14 32 10.56	+02 54 40.3	18.9 V	691
1997 GG ₂₇	1997 04 16.28640	11 59 13.39	+00 55 19.0	20.0 V	691	1997 GO ₂₇	1997 04 12.43834	14 32 10.26	+02 54 53.3	18.8 V	691
1997 GG ₂₇	1997 04 16.30804	11 59 12.34	+00 55 22.5	20.1 V	691	1997 GO ₂₇	1997 04 12.44426	14 32 09.95	+02 55 07.4	19.0 V	691
1997 GG ₂₇	1997 04 16.33050	11 59 11.22	+00 55 25.4	20.4 V	691	1997 GO ₂₇	1997 04 13.29776	14 31 31.13	+03 28 47.1	18.5 V	691
1997 GH ₂₇	1997 03 14.37382	12 28 42.05	-01 13 04.8	17.8 V	691	1997 GO ₂₇	1997 04 13.30374	14 31 30.84	+03 29 01.0	18.7 V	691
1997 GH ₂₇	1997 03 14.40560	12 28 40.28	-01 12 56.4	17.7 V	691	1997 GO ₂₇	1997 04 13.30918	14 31 30.54	+03 29 14.0	18.7 V	691
1997 GH ₂₇	1997 03 14.43456	12 28 38.69	-01 12 49.1	17.5 V	691	1997 GO ₂₇	1997 04 14.25463	14 30 45.24	+04 06 28.3	18.6 V	691
1997 GH ₂₇	* 1997 04 09.30986	12 05 11.62	+00 36 30.6	18.1 V	691	1997 GO ₂₇	1997 04 14.25975	14 30 44.97	+04 06 40.5	18.7 V	691
1997 GH ₂₇	1997 04 09.33180	12 05 10.52	+00 36 35.0	17.9 V	691	1997 GO ₂₇	1997 04 14.26439	14 30 44.70	+04 06 51.8	18.6 V	691
1997 GH ₂₇	1997 04 09.35358	12 05 09.40	+00 36 39.4	17.8 V	691	1997 GY ₂₇	* 1997 04 07.37270	14 36 28.82	+03 13 48.3	21.1 V	691
1997 GH ₂₇	1997 04 13.23659	12 02 14.09	+00 48 43.4	17.8 V	691	1997 GY ₂₇	1997 04 07.39427	14 36 28.09	+03 13 56.8	21.1 V	691

1997 GY ₂₇	1997 04 07.41622	14 36 27.36	+03 14 05.1	21.4 V	691	1997 GH ₂₈	* 1997 04 13.17046	10 28 35.21	+07 23 00.9	19.3 V	691
1997 GY ₂₇	1997 04 14.38673	14 32 18.82	+03 56 37.7	21.0 V	691	1997 GH ₂₈	1997 04 13.19201	10 28 35.77	+07 22 49.2	19.2 V	691
1997 GY ₂₇	1997 04 14.40965	14 32 17.85	+03 56 45.1	21.3 V	691	1997 GH ₂₈	1997 04 13.21381	10 28 36.35	+07 22 36.8	19.0 V	691
1997 GY ₂₇	1997 04 14.43096	14 32 16.91	+03 56 52.1	20.6 V	691	1997 GH ₂₈	1997 04 14.27248	10 29 10.05	+07 12 43.3	19.9 V	691
1997 GZ ₂₇	* 1997 04 07.37315	14 37 08.01	+03 17 49.3	21.0 V	691	1997 GH ₂₈	1997 04 14.28646	10 29 10.48	+07 12 35.3	19.7 V	691
1997 GZ ₂₇	1997 04 07.39472	14 37 07.13	+03 17 56.7	21.2 V	691	1997 GH ₂₈	1997 04 14.29834	10 29 10.84	+07 12 28.5	19.6 V	691
1997 GZ ₂₇	1997 04 07.41667	14 37 06.26	+03 18 04.1	21.4 V	691	1997 GH ₂₈	1997 04 16.25878	10 30 19.36	+06 54 09.7	21.0 V	691
1997 GZ ₂₇	1997 04 14.38668	14 32 14.35	+03 56 46.5	21.0 V	691	1997 GH ₂₈	1997 04 16.26386	10 30 19.50	+06 54 06.5	20.8 V	691
1997 GZ ₂₇	1997 04 14.40960	14 32 13.25	+03 56 53.7	21.0 V	691	1997 GH ₂₈	1997 04 16.27264	10 30 19.79	+06 54 01.8	19.9 V	691
1997 GZ ₂₇	1997 04 14.43090	14 32 12.37	+03 56 59.9	20.7 V	691	1997 GJ ₂₈	* 1997 04 13.38560	14 30 05.14	+03 28 51.5	20.6 V	691
1997 GA ₂₈	* 1997 04 07.37493	14 39 42.50	+02 59 26.0	19.9 V	691	1997 GJ ₂₈	1997 04 13.40729	14 30 04.18	+03 29 01.7	20.9 V	691
1997 GA ₂₈	1997 04 07.39650	14 39 41.41	+02 59 33.0	20.2 V	691	1997 GJ ₂₈	1997 04 13.42921	14 30 03.16	+03 29 12.5	20.8 V	691
1997 GA ₂₈	1997 04 07.41845	14 39 40.29	+02 59 40.2	20.1 V	691	1997 GJ ₂₈	1997 04 14.38468	14 29 21.53	+03 36 50.8	21.1 V	691
1997 GA ₂₈	1997 04 14.38760	14 33 34.27	+03 34 20.0	19.7 V	691	1997 GJ ₂₈	1997 04 14.40760	14 29 20.47	+03 37 01.7	21.0 V	691
1997 GA ₂₈	1997 04 14.41052	14 33 32.96	+03 34 25.9	19.9 V	691	1997 GJ ₂₈	1997 04 14.42891	14 29 19.51	+03 37 11.9	20.9 V	691
1997 GA ₂₈	1997 04 14.43182	14 33 31.70	+03 34 31.7	20.0 V	691	1997 GK ₂₈	* 1997 04 13.39930	14 49 52.08	+03 20 24.2	20.9 V	691
1997 GB ₂₈	* 1997 04 07.37739	14 43 14.88	+03 09 08.7	20.0 V	691	1997 GK ₂₈	1997 04 13.42099	14 49 51.30	+03 20 41.1	20.7 V	691
1997 GB ₂₈	1997 04 07.39896	14 43 13.99	+03 09 15.4	20.1 V	691	1997 GK ₂₈	1997 04 13.44292	14 49 50.57	+03 20 57.3	21.3 V	691
1997 GB ₂₈	1997 04 07.42090	14 43 13.10	+03 09 22.5	20.3 V	691	1997 GK ₂₈	1997 04 14.39851	14 49 19.54	+03 32 45.7	20.8 V	691
1997 GB ₂₈	1997 04 14.39091	14 38 21.28	+03 44 28.2	19.8 V	691	1997 GK ₂₈	1997 04 14.42144	14 49 18.71	+03 33 02.7	20.9 V	691
1997 GB ₂₈	1997 04 14.41383	14 38 20.23	+03 44 35.3	19.8 V	691	1997 GK ₂₈	1997 04 14.44274	14 49 17.99	+03 33 18.7	21.0 V	691
1997 GB ₂₈	1997 04 14.43514	14 38 19.25	+03 44 41.4	20.1 V	691	1997 GP ₂₈	* 1997 04 07.37595	14 41 10.27	+03 24 27.6	19.7 V	691
1997 GC ₂₈	* 1997 04 07.37857	14 44 57.43	+03 18 18.3	20.8 V	691	1997 GP ₂₈	1997 04 07.39752	14 41 09.52	+03 24 35.3	19.8 V	691
1997 GC ₂₈	1997 04 07.40014	14 44 56.36	+03 18 21.6	20.9 V	691	1997 GP ₂₈	1997 04 07.41947	14 41 08.73	+03 24 43.7	20.0 V	691
1997 GC ₂₈	1997 04 07.42208	14 44 55.33	+03 18 26.2	21.0 V	691	1997 GP ₂₈	1997 04 15.25179	14 36 18.30	+04 09 38.7	19.9 V	691
1997 GC ₂₈	1997 04 14.39143	14 39 05.52	+03 37 18.3	20.4 V	691	1997 GP ₂₈	1997 04 15.25993	14 36 17.98	+04 09 42.4	19.5 V	691
1997 GC ₂₈	1997 04 14.41434	14 39 04.24	+03 37 21.6	21.0 V	691	1997 GP ₂₈	1997 04 15.26918	14 36 17.59	+04 09 44.6	19.6 V	691
1997 GC ₂₈	1997 04 14.43564	14 39 03.08	+03 37 24.5	20.6 V	691	1997 GP ₂₈	1997 04 16.37662	14 35 33.00	+04 15 38.4	19.8 V	691
1997 GD ₂₈	* 1997 04 08.24071	12 10 51.57	-00 53 33.9	19.9 V	691	1997 GP ₂₈	1997 04 16.39857	14 35 32.09	+04 15 45.4	19.8 V	691
1997 GD ₂₈	1997 04 08.26177	12 10 50.46	-00 53 30.6	20.2 V	691	1997 GP ₂₈	1997 04 16.42028	14 35 31.18	+04 15 52.2	19.7 V	691
1997 GD ₂₈	1997 04 08.28280	12 10 49.39	-00 53 26.7	20.1 V	691	1997 GQ ₂₈	* 1997 04 07.37615	14 41 27.86	+03 26 16.2	20.4 V	691
1997 GD ₂₈	1997 04 14.19766	12 06 13.89	-00 37 42.0	20.1 V	691	1997 GQ ₂₈	1997 04 07.39772	14 41 27.12	+03 26 24.5	20.4 V	691
1997 GD ₂₈	1997 04 14.22027	12 06 12.87	-00 37 38.4	19.8 V	691	1997 GQ ₂₈	1997 04 07.41967	14 41 26.31	+03 26 32.8	20.6 V	691
1997 GD ₂₈	1997 04 14.24197	12 06 11.87	-00 37 35.8	19.9 V	691	1997 GQ ₂₈	1997 04 15.25189	14 36 34.87	+04 14 22.5	20.3 V	691
1997 GE ₂₈	* 1997 04 08.24092	12 11 09.70	-00 34 03.9	20.4 V	691	1997 GQ ₂₈	1997 04 15.26003	14 36 34.53	+04 14 26.0	20.1 V	691
1997 GE ₂₈	1997 04 08.26197	12 11 08.51	-00 34 02.9	20.4 V	691	1997 GQ ₂₈	1997 04 15.26927	14 36 34.15	+04 14 29.0	20.3 V	691
1997 GE ₂₈	1997 04 08.28301	12 11 07.32	-00 34 01.4	20.3 V	691	1997 GR ₂₈	* 1997 04 07.44462	14 45 32.97	+03 35 20.7	19.3 V	691
1997 GE ₂₈	1997 04 14.19769	12 06 17.14	-00 31 48.1	20.5 V	691	1997 GR ₂₈	1997 04 07.47030	14 45 31.78	+03 35 26.8	19.4 V	691
1997 GE ₂₈	1997 04 14.22031	12 06 16.02	-00 31 48.3	20.7 V	691	1997 GR ₂₈	1997 04 07.49564	14 45 30.63	+03 35 32.7	19.3 V	691
1997 GE ₂₈	1997 04 14.24201	12 06 14.99	-00 31 47.7	20.2 V	691	1997 GR ₂₈	1997 04 15.25351	14 39 17.01	+04 03 32.1	19.2 V	691
1997 GF ₂₈	* 1997 04 08.24237	12 13 14.76	-00 48 07.5	20.4 V	691	1997 GR ₂₈	1997 04 15.26165	14 39 16.63	+04 03 33.5	19.0 V	691
1997 GF ₂₈	1997 04 08.26342	12 13 13.50	-00 48 08.5	20.5 V	691	1997 GR ₂₈	1997 04 15.27089	14 39 16.12	+04 03 35.6	19.1 V	691
1997 GF ₂₈	1997 04 08.28445	12 13 12.23	-00 48 09.1	20.5 V	691	1997 GS ₂₈	* 1997 04 08.22994	11 55 18.25	-00 33 42.0	19.0 V	691
1997 GF ₂₈	1997 04 14.19873	12 07 47.26	-00 54 15.2	20.6 V	691	1997 GS ₂₈	1997 04 08.25099	11 55 17.30	-00 33 36.1	19.2 V	691
1997 GF ₂₈	1997 04 14.22135	12 07 46.07	-00 54 17.5	20.5 V	691	1997 GS ₂₈	1997 04 08.27203	11 55 16.37	-00 33 29.9	19.1 V	691
1997 GF ₂₈	1997 04 14.24305	12 07 44.90	-00 54 19.2	20.5 V	691	1997 GS ₂₈	1997 04 15.18716	11 50 59.50	-00 03 54.1	19.5 V	691
1997 GG ₂₈	* 1997 04 09.26096	11 59 50.44	-00 51 14.7	20.3 V	691	1997 GS ₂₈	1997 04 15.20906	11 50 58.73	-00 03 48.9	19.2 V	691
1997 GG ₂₈	1997 04 09.27068	11 59 49.95	-00 51 12.8	20.2 V	691	1997 GS ₂₈	1997 04 15.23063	11 50 58.00	-00 03 44.5	19.2 V	691
1997 GG ₂₈	1997 04 09.28414	11 59 49.28	-00 51 08.9	20.2 V	691	1997 GT ₂₈	* 1997 04 08.23043	11 56 01.07	-00 39 21.8	21.1 V	691
1997 GG ₂₈	1997 04 14.19066	11 56 07.82	-00 32 30.1	20.3 V	691	1997 GT ₂₈	1997 04 08.25149	11 56 00.20	-00 39 16.1	21.4 V	691
1997 GG ₂₈	1997 04 14.21327	11 56 06.82	-00 32 24.8	20.2 V	691	1997 GT ₂₈	1997 04 08.27253	11 55 59.32	-00 39 10.3	21.2 V	691
1997 GG ₂₈	1997 04 14.23498	11 56 05.87	-00 32 20.6	20.2 V	691	1997 GT ₂₈	1997 04 15.18769	11 51 44.84	-00 08 38.4	21.7 V	691

1997 GT ₂₈	1997 04 15.23115	11 51 43.37	-00 08 27.4	21.3 V	691	1997 GB ₂₉	* 1997 04 09.26337	12 03 19.81	-00 41 15.7	20.3 V	691
1997 GU ₂₈	* 1997 04 08.23334	12 00 12.67	-00 51 56.1	19.5 V	691	1997 GB ₂₉	1997 04 09.27309	12 03 19.20	-00 41 14.4	20.3 V	691
1997 GU ₂₈	1997 04 08.25439	12 00 11.69	-00 51 52.0	19.5 V	691	1997 GB ₂₉	1997 04 09.28655	12 03 18.30	-00 41 12.2	20.2 V	691
1997 GU ₂₈	1997 04 08.27543	12 00 10.75	-00 51 47.6	19.4 V	691	1997 GB ₂₉	1997 04 15.19160	11 57 23.84	-00 28 06.2	20.8 V	691
1997 GU ₂₈	1997 04 15.19021	11 55 23.52	-00 30 05.7	19.7 V	691	1997 GB ₂₉	1997 04 15.21349	11 57 22.51	-00 28 05.2	19.6 V	691
1997 GU ₂₈	1997 04 15.21211	11 55 22.62	-00 30 01.9	19.5 V	691	1997 GB ₂₉	1997 04 15.23505	11 57 21.27	-00 28 01.0	20.4 V	691
1997 GU ₂₈	1997 04 15.23367	11 55 21.76	-00 29 58.0	19.5 V	691	1997 GC ₂₉	* 1997 04 09.26409	12 04 21.53	-00 46 55.9	20.0 V	691
1997 GV ₂₈	* 1997 04 08.23750	12 06 13.20	-00 39 32.4	20.8 V	691	1997 GC ₂₉	1997 04 09.27381	12 04 21.06	-00 46 53.6	19.8 V	691
1997 GV ₂₈	1997 04 08.25855	12 06 12.16	-00 39 26.2	21.3 V	691	1997 GC ₂₉	1997 04 09.28727	12 04 20.38	-00 46 49.1	19.6 V	691
1997 GV ₂₈	1997 04 08.27959	12 06 11.09	-00 39 19.5	20.8 V	691	1997 GC ₂₉	1997 04 15.19333	11 59 53.74	-00 18 35.6	20.4 V	691
1997 GV ₂₈	1997 04 15.19400	12 00 52.03	-00 06 26.6	21.0 V	691	1997 GC ₂₉	1997 04 15.21522	11 59 52.78	-00 18 30.4	20.0 V	691
1997 GV ₂₈	1997 04 15.21590	12 00 51.10	-00 06 20.8	20.9 V	691	1997 GC ₂₉	1997 04 15.23679	11 59 51.81	-00 18 24.7	20.4 V	691
1997 GV ₂₈	1997 04 15.23746	12 00 50.08	-00 06 15.3	21.0 V	691	1997 GD ₂₉	* 1997 04 11.31238	13 52 31.46	-13 00 30.7	20.0 V	691
1997 GW ₂₈	* 1997 04 08.23807	12 07 02.55	-00 55 04.0	19.4 V	691	1997 GD ₂₉	1997 04 11.33443	13 52 30.29	-13 00 28.6	20.2 V	691
1997 GW ₂₈	1997 04 08.25912	12 07 01.51	-00 54 53.9	19.4 V	691	1997 GD ₂₉	1997 04 11.35582	13 52 29.11	-13 00 28.0	20.4 V	691
1997 GW ₂₈	1997 04 08.28016	12 07 00.47	-00 54 43.7	19.4 V	691	1997 GD ₂₉	1997 04 15.28236	13 49 03.24	-12 55 55.9	20.2 V	691
1997 GW ₂₈	1997 04 15.19469	12 01 51.70	-00 01 43.7	19.9 V	691	1997 GD ₂₉	1997 04 15.30426	13 49 01.99	-12 55 53.5	20.1 V	691
1997 GW ₂₈	1997 04 15.21659	12 01 50.77	-00 01 34.1	19.7 V	691	1997 GD ₂₉	1997 04 15.32629	13 49 00.80	-12 55 51.6	20.1 V	691
1997 GW ₂₈	1997 04 15.23815	12 01 49.85	-00 01 24.6	19.3 V	691	1997 GE ₂₉	* 1997 04 11.31320	13 53 43.24	-12 57 33.3	19.8 V	691
1997 GW ₂₈	1997 04 16.19522	12 01 11.13	+00 05 26.0	19.3 V	691	1997 GE ₂₉	1997 04 11.33525	13 53 42.01	-12 57 29.7	20.1 V	691
1997 GW ₂₈	1997 04 16.21699	12 01 10.22	+00 05 35.6	19.4 V	691	1997 GE ₂₉	1997 04 11.35664	13 53 40.78	-12 57 26.9	20.2 V	691
1997 GW ₂₈	1997 04 16.23930	12 01 09.28	+00 05 45.1	19.3 V	691	1997 GE ₂₉	1997 04 15.28310	13 50 06.61	-12 47 29.3	19.6 V	691
1997 GX ₂₈	* 1997 04 08.23809	12 07 04.04	-00 49 41.9	17.8 V	691	1997 GE ₂₉	1997 04 15.30499	13 50 05.38	-12 47 25.5	19.6 V	691
1997 GX ₂₈	1997 04 08.25914	12 07 02.93	-00 49 32.5	17.7 V	691	1997 GE ₂₉	1997 04 15.32703	13 50 04.11	-12 47 22.0	19.6 V	691
1997 GX ₂₈	1997 04 08.28017	12 07 01.82	-00 49 22.7	17.7 V	691	1997 GF ₂₉	* 1997 04 12.23101	12 09 02.52	+00 05 00.8	20.0 V	691
1997 GX ₂₈	1997 04 15.19458	12 01 41.80	+00 00 13.9	18.1 V	691	1997 GF ₂₉	1997 04 12.25449	12 09 00.30	+00 04 49.4	20.1 V	691
1997 GX ₂₈	1997 04 15.21647	12 01 40.83	+00 00 22.8	18.0 V	691	1997 GF ₂₉	1997 04 12.27564	12 08 58.26	+00 04 39.1	20.0 V	691
1997 GX ₂₈	1997 04 15.23804	12 01 39.86	+00 00 31.3	17.9 V	691	1997 GF ₂₉	1997 04 15.19657	12 04 34.38	-00 19 38.8	19.9 V	691
1997 GX ₂₈	1997 04 16.19509	12 01 00.54	+00 06 48.6	17.9 V	691	1997 GF ₂₉	1997 04 15.21845	12 04 32.36	-00 19 50.1	19.8 V	691
1997 GX ₂₈	1997 04 16.21686	12 00 59.60	+00 06 57.2	18.0 V	691	1997 GF ₂₉	1997 04 15.24001	12 04 30.51	-00 20 01.2	19.4 V	691
1997 GX ₂₈	1997 04 16.23918	12 00 58.65	+00 07 05.8	17.9 V	691	1997 GF ₂₉	1997 04 15.24592	15 50 39.04	-07 32 26.3	20.0 V	691
1997 GY ₂₈	* 1997 04 08.24010	12 09 58.24	-00 34 41.0	20.8 V	691	1997 GG ₂₉	1997 04 12.46952	15 50 38.57	-07 32 25.5	20.0 V	691
1997 GY ₂₈	1997 04 08.26115	12 09 57.23	-00 34 34.3	21.0 V	691	1997 GG ₂₉	1997 04 12.48523	15 50 38.05	-07 32 24.9	20.1 V	691
1997 GY ₂₈	1997 04 08.28219	12 09 56.25	-00 34 27.9	21.0 V	691	1997 GG ₂₉	1997 04 15.42983	15 48 59.95	-07 30 36.8	20.1 V	691
1997 GY ₂₈	1997 04 15.19690	12 05 02.86	-00 02 04.2	20.4 V	691	1997 GG ₂₉	1997 04 15.45151	15 48 59.15	-07 30 36.1	20.1 V	691
1997 GY ₂₈	1997 04 15.21879	12 05 01.93	-00 01 57.1	21.3 V	691	1997 GG ₂₉	1997 04 15.47296	15 48 58.33	-07 30 35.2	20.1 V	691
1997 GY ₂₈	1997 04 15.24036	12 05 01.09	-00 01 51.7	21.2 V	691	1997 GH ₂₉	* 1997 04 12.46225	16 01 13.82	-07 39 47.1	20.3 V	691
1997 GZ ₂₈	* 1997 04 08.24168	12 12 15.03	-00 54 43.8	20.3 V	691	1997 GH ₂₉	1997 04 12.47685	16 01 13.51	-07 39 41.4	20.3 V	691
1997 GZ ₂₈	1997 04 08.26273	12 12 14.18	-00 54 37.8	20.5 V	691	1997 GH ₂₉	1997 04 12.49256	16 01 13.19	-07 39 35.3	20.0 V	691
1997 GZ ₂₈	1997 04 08.28377	12 12 13.30	-00 54 31.4	20.0 V	691	1997 GH ₂₉	1997 04 15.43759	16 00 12.17	-07 19 53.3	19.9 V	691
1997 GZ ₂₈	1997 04 15.19893	12 07 58.48	-00 22 09.9	20.4 V	691	1997 GH ₂₉	1997 04 15.45927	16 00 11.64	-07 19 44.6	20.0 V	691
1997 GZ ₂₈	1997 04 15.22082	12 07 57.72	-00 22 04.9	20.4 V	691	1997 GH ₂₉	1997 04 15.48072	16 00 11.11	-07 19 35.9	19.9 V	691
1997 GZ ₂₈	1997 04 15.24239	12 07 56.95	-00 21 58.5	20.2 V	691	1997 GJ ₂₉	* 1997 04 12.46444	16 04 23.92	-07 34 56.7	21.0 V	691
1997 GA ₂₉	* 1997 04 08.24272	12 13 44.92	-00 44 32.6	20.9 V	691	1997 GJ ₂₉	1997 04 12.47905	16 04 23.59	-07 34 54.9	20.8 V	691
1997 GA ₂₉	1997 04 08.26377	12 13 43.97	-00 44 24.0	21.2 V	691	1997 GJ ₂₉	1997 04 12.49475	16 04 23.19	-07 34 52.2	21.0 V	691
1997 GA ₂₉	1997 04 08.28481	12 13 43.02	-00 44 15.0	21.0 V	691	1997 GJ ₂₉	1997 04 15.43968	16 03 13.09	-07 26 21.6	21.1 V	691
1997 GA ₂₉	1997 04 15.19968	12 09 04.07	-00 00 19.7	20.6 V	691	1997 GJ ₂₉	1997 04 15.46136	16 03 12.50	-07 26 17.9	21.1 V	691
1997 GA ₂₉	1997 04 15.22158	12 09 03.20	-00 00 12.0	20.6 V	691	1997 GJ ₂₉	1997 04 15.48281	16 03 11.94	-07 26 14.0	20.9 V	691
1997 GA ₂₉	1997 04 15.24315	12 09 02.36	-00 00 03.6	20.5 V	691	1997 GK ₂₉	* 1997 04 13.45344	15 56 03.83	-07 13 48.5	21.0 V	691
1997 GA ₂₉	1997 04 16.20025	12 08 27.23	+00 05 34.0	20.7 V	691	1997 GK ₂₉	1997 04 13.47121	15 56 03.29	-07 13 45.5	20.8 V	691
1997 GA ₂₉	1997 04 16.22202	12 08 26.40	+00 05 41.8	20.9 V	691	1997 GK ₂₉	1997 04 13.49068	15 56 02.73	-07 13 42.9	20.9 V	691
1997 GA ₂₉	1997 04 16.24434	12 08 25.58	+00 05 48.6	20.6 V	691	1997 GK ₂₉	1997 04 15.43406	15 55 05.83	-07 08 47.6	21.0 V	691

1997 GK ₂₉	1997 04 15.45573	15 55 05.08	-07 08 44.2	20.7 V	691	1997 GT ₂₉	1997 04 15.25259	14 37 57.11	+04 04 30.6	19.6 V	691
1997 GK ₂₉	1997 04 15.47718	15 55 04.44	-07 08 40.9	20.9 V	691	1997 GT ₂₉	1997 04 15.26072	14 37 56.77	+04 04 34.2	19.6 V	691
1997 GL ₂₉	* 1997 04 13.45461	15 57 45.28	-07 25 04.2	18.4 V	691	1997 GT ₂₉	1997 04 15.26997	14 37 56.34	+04 04 37.5	19.6 V	691
1997 GL ₂₉	1997 04 13.47238	15 57 44.79	-07 25 00.3	18.4 V	691	1997 GT ₂₉	1997 04 16.37771	14 37 06.93	+04 11 45.5	19.8 V	691
1997 GL ₂₉	1997 04 13.49185	15 57 44.25	-07 24 56.0	18.4 V	691	1997 GT ₂₉	1997 04 16.39965	14 37 05.94	+04 11 53.7	19.9 V	691
1997 GL ₂₉	1997 04 15.43527	15 56 50.76	-07 17 57.0	18.4 V	691	1997 GT ₂₉	1997 04 16.42136	14 37 04.95	+04 12 02.0	19.7 V	691
1997 GL ₂₉	1997 04 15.45694	15 56 50.12	-07 17 52.2	18.4 V	691	1997 GU ₂₉	* 1997 04 14.39449	14 43 30.88	+03 56 07.9	19.8 V	691
1997 GL ₂₉	1997 04 15.47840	15 56 49.49	-07 17 47.5	18.4 V	691	1997 GU ₂₉	1997 04 14.41741	14 43 29.73	+03 56 11.1	19.7 V	691
1997 GM ₂₉	* 1997 04 13.45480	15 58 01.70	-07 12 27.2	19.7 V	691	1997 GU ₂₉	1997 04 14.43871	14 43 28.66	+03 56 14.1	19.8 V	691
1997 GM ₂₉	1997 04 13.47257	15 58 01.28	-07 12 21.6	19.7 V	691	1997 GU ₂₉	1997 04 15.25596	14 42 49.16	+03 58 03.4	19.7 V	691
1997 GM ₂₉	1997 04 13.49204	15 58 00.83	-07 12 15.4	19.5 V	691	1997 GU ₂₉	1997 04 15.26410	14 42 48.74	+03 58 04.9	19.5 V	691
1997 GM ₂₉	1997 04 15.43554	15 57 14.35	-07 02 09.9	19.3 V	691	1997 GU ₂₉	1997 04 15.27334	14 42 48.28	+03 58 05.9	19.8 V	691
1997 GM ₂₉	1997 04 15.45722	15 57 13.78	-07 02 03.1	19.3 V	691	1997 GD ₃₀	* 1997 04 07.21337	12 09 53.30	-00 24 35.7	19.2 V	691
1997 GN ₂₉	* 1997 04 13.46195	16 08 21.75	-07 29 21.1	18.3 V	691	1997 GD ₃₀	1997 04 07.23463	12 09 52.51	-00 24 23.3	19.2 V	691
1997 GN ₂₉	1997 04 13.47973	16 08 21.55	-07 29 14.7	18.3 V	691	1997 GD ₃₀	1997 04 07.25554	12 09 51.69	-00 24 11.8	19.4 V	691
1997 GN ₂₉	1997 04 13.49920	16 08 21.31	-07 29 07.4	18.4 V	691	1997 GD ₃₀	1997 04 16.29062	12 05 19.26	+00 51 29.4	19.6 V	691
1997 GN ₂₉	1997 04 15.44298	16 07 59.24	-07 17 09.4	18.4 V	691	1997 GD ₃₀	1997 04 16.31227	12 05 18.69	+00 51 39.3	19.6 V	691
1997 GN ₂₉	1997 04 15.46466	16 07 58.93	-07 17 01.4	18.5 V	691	1997 GD ₃₀	1997 04 16.33473	12 05 18.10	+00 51 49.0	19.5 V	691
1997 GN ₂₉	1997 04 15.48612	16 07 58.63	-07 16 53.4	18.4 V	691	1997 GE ₃₀	* 1997 04 07.22688	11 58 41.30	-00 01 48.6	21.6 V	691
1997 GO ₂₉	* 1997 04 13.46217	16 08 40.56	-07 10 42.9	19.0 V	691	1997 GE ₃₀	1997 04 07.24779	11 58 40.31	-00 01 41.1	21.6 V	691
1997 GO ₂₉	1997 04 13.47994	16 08 40.24	-07 10 40.2	18.9 V	691	1997 GE ₃₀	1997 04 16.28211	11 53 02.54	+00 45 25.8	19.8 V	691
1997 GO ₂₉	1997 04 13.49942	16 08 39.90	-07 10 37.1	19.0 V	691	1997 GE ₃₀	1997 04 16.30376	11 53 01.82	+00 45 31.3	19.8 V	691
1997 GO ₂₉	1997 04 15.44307	16 08 07.14	-07 05 34.1	19.0 V	691	1997 GE ₃₀	1997 04 16.32622	11 53 01.00	+00 45 36.7	20.2 V	691
1997 GO ₂₉	1997 04 15.46475	16 08 06.70	-07 05 30.9	19.1 V	691	1997 GF ₃₀	* 1997 04 07.26933	11 58 31.90	+00 19 46.8	19.7 V	691
1997 GO ₂₉	1997 04 15.48621	16 08 06.27	-07 05 27.6	19.0 V	691	1997 GF ₃₀	1997 04 07.29119	11 58 30.97	+00 19 52.9	19.9 V	691
1997 GP ₂₉	* 1997 04 13.46235	16 08 56.36	-07 26 18.5	19.5 V	691	1997 GF ₃₀	1997 04 07.31373	11 58 30.01	+00 19 58.9	19.8 V	691
1997 GP ₂₉	1997 04 13.48013	16 08 56.14	-07 26 09.3	19.4 V	691	1997 GF ₃₀	1997 04 16.28217	11 53 07.26	+00 55 42.7	19.8 V	691
1997 GP ₂₉	1997 04 13.49960	16 08 55.80	-07 26 00.2	19.5 V	691	1997 GF ₃₀	1997 04 16.30382	11 53 06.50	+00 55 47.6	19.9 V	691
1997 GP ₂₉	1997 04 15.44332	16 08 27.95	-07 10 19.8	19.7 V	691	1997 GF ₃₀	1997 04 16.32628	11 53 05.78	+00 55 52.2	20.1 V	691
1997 GP ₂₉	1997 04 15.46499	16 08 27.57	-07 10 08.7	19.5 V	691	1997 GG ₃₀	* 1997 04 07.27038	12 00 03.25	+00 20 21.4	20.4 V	691
1997 GP ₂₉	1997 04 15.48645	16 08 27.19	-07 09 59.0	19.4 V	691	1997 GG ₃₀	1997 04 07.29224	12 00 02.05	+00 20 27.8	20.3 V	691
1997 GQ ₂₉	* 1997 04 14.20062	12 10 30.67	-00 31 45.5	19.8 V	691	1997 GG ₃₀	1997 04 07.31478	12 00 00.78	+00 20 34.3	20.1 V	691
1997 GQ ₂₉	1997 04 14.22324	12 10 29.79	-00 31 39.4	20.0 V	691	1997 GG ₃₀	1997 04 16.28183	11 52 38.27	+00 59 16.4	19.6 V	691
1997 GQ ₂₉	1997 04 14.24494	12 10 28.95	-00 31 33.5	19.7 V	691	1997 GG ₃₀	1997 04 16.30348	11 52 37.26	+00 59 21.9	19.8 V	691
1997 GQ ₂₉	1997 04 15.20025	12 09 53.50	-00 27 22.4	20.0 V	691	1997 GG ₃₀	1997 04 16.32594	11 52 36.22	+00 59 26.6	19.9 V	691
1997 GQ ₂₉	1997 04 15.22215	12 09 52.66	-00 27 16.7	19.8 V	691	1997 GH ₃₀	* 1997 04 07.27103	12 00 59.53	+00 03 22.5	20.1 V	691
1997 GQ ₂₉	1997 04 15.24372	12 09 51.80	-00 27 11.1	20.0 V	691	1997 GH ₃₀	1997 04 07.29289	12 00 58.39	+00 03 31.0	20.0 V	691
1997 GR ₂₉	* 1997 04 14.20103	12 11 05.90	-00 36 17.2	21.1 V	691	1997 GH ₃₀	1997 04 07.31543	12 00 57.18	+00 03 40.0	20.1 V	691
1997 GR ₂₉	1997 04 14.22364	12 11 04.78	-00 36 09.2	21.0 V	691	1997 GH ₃₀	1997 04 16.28278	11 54 00.58	+00 57 07.5	20.2 V	691
1997 GR ₂₉	1997 04 14.24534	12 11 03.72	-00 36 01.4	20.8 V	691	1997 GH ₃₀	1997 04 16.30443	11 53 59.65	+00 57 14.7	20.2 V	691
1997 GR ₂₉	1997 04 15.20056	12 10 20.25	-00 30 36.8	21.0 V	691	1997 GH ₃₀	1997 04 16.32689	11 53 58.68	+00 57 22.0	20.5 V	691
1997 GR ₂₉	1997 04 15.22246	12 10 19.19	-00 30 29.7	20.9 V	691	1997 GJ ₃₀	* 1997 04 07.27748	12 10 17.77	+00 26 26.8	20.0 V	691
1997 GR ₂₉	1997 04 15.24402	12 10 18.19	-00 30 22.4	21.2 V	691	1997 GJ ₃₀	1997 04 07.29934	12 10 16.56	+00 26 32.5	19.8 V	691
1997 GS ₂₉	* 1997 04 14.20240	12 13 04.79	-00 33 38.8	20.1 V	691	1997 GJ ₃₀	1997 04 07.32187	12 10 15.29	+00 26 38.4	19.6 V	691
1997 GS ₂₉	1997 04 14.22501	12 13 03.84	-00 33 33.3	19.7 V	691	1997 GJ ₃₀	1997 04 13.23882	12 05 27.19	+00 49 07.4	19.6 V	691
1997 GS ₂₉	1997 04 14.24672	12 13 02.88	-00 33 28.5	19.9 V	691	1997 GJ ₃₀	1997 04 13.26026	12 05 26.21	+00 49 11.3	20.1 V	691
1997 GS ₂₉	1997 04 15.20199	12 12 23.55	-00 29 44.5	20.1 V	691	1997 GJ ₃₀	1997 04 13.28186	12 05 25.17	+00 49 16.0	20.0 V	691
1997 GS ₂₉	1997 04 15.22388	12 12 22.60	-00 29 39.8	19.9 V	691	1997 GJ ₃₀	1997 04 16.28922	12 03 18.38	+00 58 20.3	20.0 V	691
1997 GS ₂₉	1997 04 15.24545	12 12 21.71	-00 29 34.4	19.8 V	691	1997 GJ ₃₀	1997 04 16.31087	12 03 17.50	+00 58 23.5	20.3 V	691
1997 GT ₂₉	* 1997 04 14.39107	14 38 34.88	+03 58 53.2	19.5 V	691	1997 GJ ₃₀	1997 04 16.33333	12 03 16.52	+00 58 27.7	19.9 V	691
1997 GT ₂₉	1997 04 14.41399	14 38 33.83	+03 59 02.4	19.6 V	691	1997 GK ₃₀	* 1997 04 07.27849	12 11 45.39	+00 06 27.9	19.9 V	691
1997 GT ₂₉	1997 04 14.43530	14 38 32.88	+03 59 10.8	19.8 V	691	1997 GK ₃₀	1997 04 07.30035	12 11 44.25	+00 06 35.7	19.7 V	691

1997 GK ₃₀	1997 04 07.32289	12 11 43.08	+00 06 42.8	19.7 V	691	1997 GR ₃₀	1997 04 16.21482	11 58 03.09	+00 25 03.3	20.2 V	691
1997 GK ₃₀	1997 04 16.29018	12 04 40.94	+00 52 14.4	19.8 V	691	1997 GR ₃₀	1997 04 16.23714	11 58 01.99	+00 25 15.4	20.3 V	691
1997 GK ₃₀	1997 04 16.31182	12 04 39.99	+00 52 19.9	19.7 V	691	1997 GS ₃₀	* 1997 04 08.23754	12 06 16.21	-00 42 13.3	20.2 V	691
1997 GK ₃₀	1997 04 16.33428	12 04 39.02	+00 52 26.5	20.2 V	691	1997 GS ₃₀	1997 04 08.25859	12 06 15.44	-00 42 01.4	20.0 V	691
1997 GL ₃₀	* 1997 04 07.36850	14 30 24.92	+03 25 52.3	20.1 V	691	1997 GS ₃₀	1997 04 08.27963	12 06 14.65	-00 41 49.6	20.0 V	691
1997 GL ₃₀	1997 04 07.39007	14 30 24.11	+03 25 59.6	20.2 V	691	1997 GS ₃₀	1997 04 16.19581	12 02 02.53	+00 28 20.4	20.4 V	691
1997 GL ₃₀	1997 04 07.41202	14 30 23.25	+03 26 06.7	20.2 V	691	1997 GS ₃₀	1997 04 16.21758	12 02 01.88	+00 28 31.2	20.5 V	691
1997 GL ₃₀	1997 04 16.36888	14 24 22.27	+04 13 12.5	20.0 V	691	1997 GS ₃₀	1997 04 16.23990	12 02 01.25	+00 28 41.6	20.4 V	691
1997 GL ₃₀	1997 04 16.39082	14 24 21.30	+04 13 19.0	20.1 V	691	1997 GT ₃₀	* 1997 04 08.23957	12 09 12.24	-00 50 15.0	19.7 V	691
1997 GL ₃₀	1997 04 16.41253	14 24 20.32	+04 13 25.4	19.9 V	691	1997 GT ₃₀	1997 04 08.26062	12 09 11.23	-00 50 06.0	19.7 V	691
1997 GM ₃₀	* 1997 04 07.36896	14 31 05.14	+03 07 46.0	19.7 V	691	1997 GT ₃₀	1997 04 08.28166	12 09 10.22	-00 49 56.6	19.6 V	691
1997 GM ₃₀	1997 04 07.39053	14 31 04.27	+03 07 56.2	19.7 V	691	1997 GT ₃₀	1997 04 16.19685	12 03 32.97	+00 04 04.8	19.6 V	691
1997 GM ₃₀	1997 04 07.41248	14 31 03.35	+03 08 06.3	20.0 V	691	1997 GT ₃₀	1997 04 16.21862	12 03 32.09	+00 04 12.9	19.9 V	691
1997 GM ₃₀	1997 04 16.36906	14 24 37.99	+04 15 08.2	19.6 V	691	1997 GT ₃₀	1997 04 16.24094	12 03 31.20	+00 04 20.5	19.7 V	691
1997 GM ₃₀	1997 04 16.39100	14 24 36.92	+04 15 17.6	19.8 V	691	1997 GU ₃₀	* 1997 04 08.24062	12 10 43.45	-00 35 41.5	20.7 V	691
1997 GM ₃₀	1997 04 16.41271	14 24 35.86	+04 15 26.5	19.6 V	691	1997 GU ₃₀	1997 04 08.26167	12 10 42.42	-00 35 30.2	20.9 V	691
1997 GN ₃₀	* 1997 04 07.45163	14 55 40.03	+03 53 56.4	21.2 V	691	1997 GU ₃₀	1997 04 08.28271	12 10 41.39	-00 35 18.3	20.6 V	691
1997 GN ₃₀	1997 04 07.47731	14 55 39.06	+03 54 01.8	21.1 V	691	1997 GU ₃₀	1997 04 16.19801	12 05 13.53	+00 30 34.6	21.0 V	691
1997 GN ₃₀	1997 04 07.50265	14 55 38.09	+03 54 07.2	20.8 V	691	1997 GU ₃₀	1997 04 16.21979	12 05 12.77	+00 30 44.8	20.5 V	691
1997 GN ₃₀	1997 04 16.38642	14 49 42.27	+04 22 44.4	21.1 V	691	1997 GU ₃₀	1997 04 16.24210	12 05 11.87	+00 30 54.4	20.4 V	691
1997 GN ₃₀	1997 04 16.40837	14 49 41.31	+04 22 47.8	20.9 V	691	1997 GV ₃₀	* 1997 04 08.32987	11 59 31.92	-00 11 48.1	21.2 V	691
1997 GN ₃₀	1997 04 16.43008	14 49 40.33	+04 22 51.4	21.2 V	691	1997 GV ₃₀	1997 04 08.35277	11 59 30.95	-00 11 36.9	20.9 V	691
1997 GO ₃₀	* 1997 04 08.22837	11 53 01.90	-00 40 14.1	19.8 V	691	1997 GV ₃₀	1997 04 08.37775	11 59 29.91	-00 11 24.9	21.0 V	691
1997 GO ₃₀	1997 04 08.24942	11 53 01.11	-00 40 04.6	20.0 V	691	1997 GV ₃₀	1997 04 16.28321	11 54 37.46	+00 48 05.0	20.7 V	691
1997 GO ₃₀	1997 04 08.27046	11 53 00.32	-00 39 55.0	20.3 V	691	1997 GV ₃₀	1997 04 16.30486	11 54 36.73	+00 48 14.7	20.8 V	691
1997 GO ₃₀	1997 04 16.18667	11 48 50.59	+00 16 56.1	20.0 V	691	1997 GV ₃₀	1997 04 16.32732	11 54 35.96	+00 48 23.7	20.9 V	691
1997 GO ₃₀	1997 04 16.20844	11 48 49.95	+00 17 04.2	19.7 V	691	1997 GW ₃₀	* 1997 04 08.33071	12 00 44.24	-00 16 13.7	18.4 V	691
1997 GO ₃₀	1997 04 16.23076	11 48 49.34	+00 17 13.0	20.0 V	691	1997 GW ₃₀	1997 04 08.35360	12 00 43.29	-00 16 07.8	18.5 V	691
1997 GP ₃₀	* 1997 04 08.22948	11 54 38.70	-00 31 45.1	17.4 V	691	1997 GW ₃₀	1997 04 08.37859	12 00 42.30	-00 16 01.1	18.7 V	691
1997 GP ₃₀	1997 04 08.25054	11 54 37.81	-00 31 33.5	17.2 V	691	1997 GW ₃₀	1997 04 16.19162	11 56 00.01	+00 15 56.4	18.7 V	691
1997 GP ₃₀	1997 04 08.27157	11 54 36.91	-00 31 21.6	17.2 V	691	1997 GW ₃₀	1997 04 16.21340	11 55 59.27	+00 16 01.2	18.7 V	691
1997 GP ₃₀	1997 04 08.32644	11 54 34.49	-00 30 51.0	17.6 V	691	1997 GW ₃₀	1997 04 16.23572	11 55 58.53	+00 16 06.4	18.6 V	691
1997 GP ₃₀	1997 04 08.34933	11 54 33.52	-00 30 38.6	17.5 V	691	1997 GX ₃₀	* 1997 04 08.33606	12 08 28.38	-00 29 05.6	20.9 V	691
1997 GP ₃₀	1997 04 08.37432	11 54 32.47	-00 30 24.3	17.3 V	691	1997 GX ₃₀	1997 04 08.35896	12 08 27.34	-00 28 55.4	20.7 V	691
1997 GP ₃₀	1997 04 12.24271	11 52 00.93	+00 04 47.5	17.7 V	691	1997 GX ₃₀	1997 04 08.38395	12 08 26.23	-00 28 43.9	21.2 V	691
1997 GP ₃₀	1997 04 12.26389	11 52 00.09	+00 04 58.8	17.5 V	691	1997 GX ₃₀	1997 04 16.19666	12 03 16.37	+00 26 43.4	20.4 V	691
1997 GP ₃₀	1997 04 16.27976	11 49 38.77	+00 39 33.8	17.4 V	691	1997 GX ₃₀	1997 04 16.21843	12 03 15.58	+00 26 51.8	20.7 V	691
1997 GP ₃₀	1997 04 16.30141	11 49 38.02	+00 39 44.6	17.3 V	691	1997 GX ₃₀	1997 04 16.24075	12 03 14.74	+00 27 00.5	20.5 V	691
1997 GP ₃₀	1997 04 16.32387	11 49 37.24	+00 39 55.7	17.4 V	691	1997 GY ₃₀	* 1997 04 08.33955	12 13 30.45	-00 15 48.8	20.3 V	691
1997 GQ ₃₀	* 1997 04 08.23459	12 02 00.93	-00 31 40.7	20.9 V	691	1997 GY ₃₀	1997 04 08.36245	12 13 29.37	-00 15 42.9	20.5 V	691
1997 GQ ₃₀	1997 04 08.25564	12 01 59.87	-00 31 34.6	20.9 V	691	1997 GY ₃₀	1997 04 08.38743	12 13 28.25	-00 15 36.8	20.7 V	691
1997 GQ ₃₀	1997 04 08.27668	12 01 58.80	-00 31 28.2	20.9 V	691	1997 GY ₃₀	1997 04 16.20003	12 08 08.13	+00 11 40.9	20.9 V	691
1997 GQ ₃₀	1997 04 08.33153	12 01 56.01	-00 31 11.6	21.4 V	691	1997 GY ₃₀	1997 04 16.22180	12 08 07.27	+00 11 44.8	20.5 V	691
1997 GQ ₃₀	1997 04 08.35443	12 01 54.81	-00 31 05.3	21.2 V	691	1997 GY ₃₀	1997 04 16.24412	12 08 06.42	+00 11 49.3	20.3 V	691
1997 GQ ₃₀	1997 04 08.37941	12 01 53.56	-00 30 57.9	21.0 V	691	1997 GZ ₃₀	* 1997 04 10.37082	14 31 51.20	+04 05 16.6	19.8 V	691
1997 GQ ₃₀	1997 04 16.19171	11 56 07.26	+00 04 16.8	20.9 V	691	1997 GZ ₃₀	1997 04 10.39214	14 31 50.05	+04 05 16.0	19.9 V	691
1997 GQ ₃₀	1997 04 16.21348	11 56 06.35	+00 04 21.8	20.5 V	691	1997 GZ ₃₀	1997 04 10.41336	14 31 48.95	+04 05 16.6	19.9 V	691
1997 GQ ₃₀	1997 04 16.23580	11 56 05.45	+00 04 27.3	20.6 V	691	1997 GZ ₃₀	1997 04 16.37030	14 26 25.61	+04 02 04.3	20.4 V	691
1997 GR ₃₀	* 1997 04 08.23670	12 05 03.38	-00 51 43.4	20.2 V	691	1997 GZ ₃₀	1997 04 16.39224	14 26 24.27	+04 02 03.1	20.4 V	691
1997 GR ₃₀	1997 04 08.25774	12 05 02.09	-00 51 30.2	20.2 V	691	1997 GZ ₃₀	1997 04 16.41395	14 26 22.98	+04 02 01.6	20.2 V	691
1997 GR ₃₀	1997 04 08.27878	12 05 00.81	-00 51 17.8	20.2 V	691	1997 GA ₃₁	* 1997 04 10.37395	14 36 21.50	+04 09 47.4	20.1 V	691
1997 GR ₃₀	1997 04 16.19306	11 58 04.19	+00 24 52.4	20.3 V	691	1997 GA ₃₁	1997 04 10.39527	14 36 20.52	+04 09 48.7	19.7 V	691

1997 GA ₃₁	1997 04 10.41648	14 36 19.43	+04 09 50.4	20.5 V	691	1997 GK ₃₁	* 1997 04 13.23689	12 02 40.42	+00 51 21.2	20.0 V	691
1997 GA ₃₁	1997 04 16.37378	14 31 27.34	+04 16 03.1	20.0 V	691	1997 GK ₃₁	1997 04 13.25833	12 02 39.37	+00 51 24.0	20.3 V	691
1997 GA ₃₁	1997 04 16.39573	14 31 26.21	+04 16 04.1	19.9 V	691	1997 GK ₃₁	1997 04 13.27994	12 02 38.24	+00 51 27.3	20.4 V	691
1997 GA ₃₁	1997 04 16.41743	14 31 25.07	+04 16 04.8	20.0 V	691	1997 GK ₃₁	1997 04 16.28711	12 00 15.62	+00 57 37.0	20.0 V	691
1997 GB ₃₁	* 1997 04 12.21855	11 51 03.49	+00 27 49.4	19.6 V	691	1997 GK ₃₁	1997 04 16.30876	12 00 14.60	+00 57 39.4	19.9 V	691
1997 GB ₃₁	1997 04 12.24204	11 51 02.30	+00 27 54.8	19.6 V	691	1997 GK ₃₁	1997 04 16.33122	12 00 13.55	+00 57 41.9	19.9 V	691
1997 GB ₃₁	1997 04 12.26321	11 51 01.24	+00 27 59.4	19.6 V	691	1997 GL ₃₁	* 1997 04 13.23695	12 02 45.80	+00 34 37.6	20.1 V	691
1997 GB ₃₁	1997 04 16.27861	11 47 53.83	+00 42 28.9	19.4 V	691	1997 GL ₃₁	1997 04 13.25839	12 02 44.58	+00 34 36.6	20.1 V	691
1997 GB ₃₁	1997 04 16.30029	11 47 52.83	+00 42 33.5	19.6 V	691	1997 GL ₃₁	1997 04 13.28000	12 02 43.27	+00 34 35.1	20.2 V	691
1997 GB ₃₁	1997 04 16.32276	11 47 51.82	+00 42 38.2	19.4 V	691	1997 GL ₃₁	1997 04 16.19438	11 59 58.45	+00 31 20.4	20.4 V	691
1997 GC ₃₁	* 1997 04 12.23237	12 11 00.46	+00 28 00.0	20.0 V	691	1997 GL ₃₁	1997 04 16.21614	11 59 57.24	+00 31 18.1	21.4 V	691
1997 GC ₃₁	1997 04 12.25586	12 10 59.58	+00 28 04.9	20.1 V	691	1997 GL ₃₁	1997 04 16.23846	11 59 55.99	+00 31 16.7	20.6 V	691
1997 GC ₃₁	1997 04 12.27704	12 10 58.77	+00 28 10.3	19.9 V	691	1997 GM ₃₁	* 1997 04 13.23853	12 05 02.38	+00 34 24.5	20.6 V	691
1997 GC ₃₁	1997 04 16.29294	12 08 39.84	+00 44 20.4	20.1 V	691	1997 GM ₃₁	1997 04 13.25998	12 05 01.53	+00 34 26.1	20.7 V	691
1997 GC ₃₁	1997 04 16.31458	12 08 39.14	+00 44 25.2	20.2 V	691	1997 GM ₃₁	1997 04 13.28158	12 05 00.68	+00 34 28.1	20.7 V	691
1997 GC ₃₁	1997 04 16.33705	12 08 38.35	+00 44 30.1	20.6 V	691	1997 GM ₃₁	1997 04 16.28907	12 03 05.26	+00 38 49.0	20.6 V	691
1997 GD ₃₁	* 1997 04 12.23281	12 11 38.72	+00 16 16.2	19.9 V	691	1997 GM ₃₁	1997 04 16.31072	12 03 04.44	+00 38 50.6	20.3 V	691
1997 GD ₃₁	1997 04 12.25630	12 11 37.85	+00 16 22.2	19.7 V	691	1997 GM ₃₁	1997 04 16.33318	12 03 03.51	+00 38 53.0	20.0 V	691
1997 GD ₃₁	1997 04 12.27748	12 11 36.98	+00 16 27.7	20.1 V	691	1997 GN ₃₁	* 1997 04 13.24142	12 09 12.76	+00 53 22.0	20.6 V	691
1997 GD ₃₁	1997 04 16.29335	12 09 15.66	+00 32 46.5	19.9 V	691	1997 GN ₃₁	1997 04 13.26286	12 09 11.83	+00 53 23.9	20.7 V	691
1997 GD ₃₁	1997 04 16.31500	12 09 14.88	+00 32 52.7	19.6 V	691	1997 GN ₃₁	1997 04 13.28447	12 09 10.82	+00 53 25.4	20.7 V	691
1997 GE ₃₁	1997 04 16.33746	12 09 14.15	+00 32 56.8	19.8 V	691	1997 GN ₃₁	1997 04 16.29180	12 07 01.06	+00 57 08.4	20.7 V	691
1997 GE ₃₁	* 1997 04 12.23365	12 12 51.40	+00 28 24.3	20.5 V	691	1997 GN ₃₁	1997 04 16.31344	12 07 00.14	+00 57 10.0	21.1 V	691
1997 GE ₃₁	1997 04 12.25714	12 12 50.38	+00 28 29.7	20.4 V	691	1997 GN ₃₁	1997 04 16.33590	12 06 59.20	+00 57 11.9	20.8 V	691
1997 GE ₃₁	1997 04 12.27831	12 12 49.43	+00 28 35.1	20.6 V	691	1997 GO ₃₁	* 1997 04 13.24179	12 09 44.58	+00 48 47.5	18.6 V	691
1997 GE ₃₁	1997 04 16.29393	12 10 05.86	+00 44 16.8	20.7 V	691	1997 GO ₃₁	1997 04 13.26323	12 09 43.50	+00 48 49.7	19.1 V	691
1997 GE ₃₁	1997 04 16.31558	12 10 05.02	+00 44 21.6	20.6 V	691	1997 GO ₃₁	1997 04 13.28483	12 09 42.38	+00 48 51.6	19.1 V	691
1997 GE ₃₁	1997 04 16.33804	12 10 04.11	+00 44 26.8	20.2 V	691	1997 GO ₃₁	1997 04 16.29198	12 07 16.93	+00 53 09.1	19.1 V	691
1997 GF ₃₁	* 1997 04 12.23372	12 12 57.38	+00 00 41.8	19.7 V	691	1997 GO ₃₁	1997 04 16.31362	12 07 15.87	+00 53 10.8	18.9 V	691
1997 GF ₃₁	1997 04 12.25721	12 12 56.14	+00 00 44.3	19.5 V	691	1997 GO ₃₁	1997 04 16.33608	12 07 14.78	+00 53 12.4	18.8 V	691
1997 GF ₃₁	1997 04 12.27838	12 12 55.00	+00 00 46.3	19.6 V	691	1997 GP ₃₁	* 1997 04 13.24195	12 09 58.56	+00 36 16.5	20.1 V	691
1997 GF ₃₁	1997 04 16.20113	12 09 43.62	+00 06 18.6	19.6 V	691	1997 GP ₃₁	1997 04 13.26339	12 09 57.64	+00 36 18.9	20.7 V	691
1997 GF ₃₁	1997 04 16.22290	12 09 42.54	+00 06 20.4	19.4 V	691	1997 GP ₃₁	1997 04 13.28500	12 09 56.72	+00 36 21.1	20.5 V	691
1997 GF ₃₁	1997 04 16.24522	12 09 41.48	+00 06 21.6	19.4 V	691	1997 GP ₃₁	1997 04 16.29245	12 07 57.73	+00 41 06.2	20.3 V	691
1997 GG ₃₁	* 1997 04 13.22906	11 51 21.86	+00 59 27.0	19.9 V	691	1997 GP ₃₁	1997 04 16.31410	12 07 56.87	+00 41 08.2	20.5 V	691
1997 GG ₃₁	1997 04 13.25050	11 51 20.97	+00 59 24.8	20.1 V	691	1997 GP ₃₁	1997 04 16.33656	12 07 55.91	+00 41 10.6	20.0 V	691
1997 GG ₃₁	1997 04 13.27211	11 51 19.99	+00 59 23.4	20.5 V	691	1997 GQ ₃₁	* 1997 04 13.24226	12 10 25.24	+00 39 26.1	20.5 V	691
1997 GG ₃₁	1997 04 16.27956	11 49 21.54	+00 55 01.0	20.4 V	691	1997 GQ ₃₁	1997 04 13.26370	12 10 24.31	+00 39 31.4	21.2 V	691
1997 GG ₃₁	1997 04 16.30121	11 49 20.69	+00 54 58.9	20.0 V	691	1997 GQ ₃₁	1997 04 13.28531	12 10 23.32	+00 39 36.0	21.1 V	691
1997 GG ₃₁	1997 04 16.32367	11 49 19.80	+00 54 56.5	20.2 V	691	1997 GQ ₃₁	1997 04 16.29268	12 08 17.75	+00 50 04.4	21.1 V	691
1997 GH ₃₁	* 1997 04 13.22969	11 52 16.76	+00 34 16.5	17.4 V	691	1997 GQ ₃₁	1997 04 16.31433	12 08 16.83	+00 50 08.0	21.0 V	691
1997 GH ₃₁	1997 04 13.25113	11 52 15.69	+00 34 17.1	17.3 V	691	1997 GQ ₃₁	1997 04 16.33679	12 08 15.91	+00 50 13.2	20.9 V	691
1997 GH ₃₁	1997 04 13.27274	11 52 14.59	+00 34 17.9	17.5 V	691	1997 GR ₃₁	* 1997 04 13.24245	12 10 42.40	+00 49 50.5	18.1 V	691
1997 GH ₃₁	1997 04 16.27998	11 49 57.59	+00 35 07.8	17.5 V	691	1997 GR ₃₁	1997 04 13.26390	12 10 41.19	+00 49 56.3	18.2 V	691
1997 GH ₃₁	1997 04 16.30162	11 49 56.61	+00 35 08.0	17.5 V	691	1997 GR ₃₁	1997 04 13.28550	12 10 39.96	+00 50 01.9	18.2 V	691
1997 GH ₃₁	1997 04 16.32408	11 49 55.59	+00 35 07.9	17.6 V	691	1997 GR ₃₁	1997 04 16.29252	12 08 03.99	+01 02 32.7	18.2 V	691
1997 GJ ₃₁	* 1997 04 13.23529	12 00 21.70	+01 02 48.1	18.3 V	691	1997 GR ₃₁	1997 04 16.31417	12 08 02.86	+01 02 37.9	18.2 V	691
1997 GJ ₃₁	1997 04 13.25673	12 00 20.55	+01 02 48.4	18.3 V	691	1997 GR ₃₁	1997 04 16.33662	12 08 01.68	+01 02 43.1	18.2 V	691
1997 GJ ₃₁	1997 04 13.27834	12 00 19.43	+01 02 48.6	18.5 V	691	1997 GS ₃₁	* 1997 04 13.24441	12 13 31.36	+00 48 35.1	20.7 V	691
1997 GJ ₃₁	1997 04 16.28549	11 57 55.11	+01 02 56.8	18.3 V	691	1997 GS ₃₁	1997 04 13.26585	12 13 30.27	+00 48 38.1	20.4 V	691
1997 GJ ₃₁	1997 04 16.30714	11 57 54.08	+01 02 57.1	18.3 V	691	1997 GS ₃₁	1997 04 13.28745	12 13 29.23	+00 48 41.1	20.8 V	691
1997 GJ ₃₁	1997 04 16.32960	11 57 53.00	+01 02 56.8	18.3 V	691	1997 GS ₃₁	1997 04 16.29476	12 11 18.10	+00 55 23.6	21.0 V	691

1997 GS ₃₁	1997 04 16.31641	12 11 17.16	+00 55 26.2	20.6 V	691	4127 P-L	1997 04 07.20451	11 57 06.28	-00 00 13.6	20.2 V	691
1997 GS ₃₁	1997 04 16.33887	12 11 16.16	+00 55 29.4	20.6 V	691	4127 P-L	1997 04 07.22578	11 57 05.37	-00 00 08.4	20.4 V	691
1997 GT ₃₁	* 1997 04 14.38846	14 34 48.88	+03 56 59.7	19.6 V	691	4127 P-L	1997 04 07.24668	11 57 04.63	-00 00 03.3	20.4 V	691
1997 GT ₃₁	1997 04 14.41138	14 34 47.90	+03 57 13.4	19.8 V	691	4127 P-L	1997 04 16.28120	11 51 43.20	+00 35 27.2	20.1 V	691
1997 GT ₃₁	1997 04 14.43269	14 34 46.94	+03 57 26.5	19.7 V	691	4127 P-L	1997 04 16.32531	11 51 41.75	+00 35 36.6	20.4 V	691
1997 GT ₃₁	1997 04 16.37512	14 33 23.28	+04 16 36.9	20.0 V	691	1042 T-2	1997 03 15.33592	10 29 11.02	+07 05 06.4	18.5 V	691
1997 GT ₃₁	1997 04 16.39707	14 33 22.27	+04 16 49.7	19.9 V	691	1042 T-2	1997 03 15.35718	10 29 10.10	+07 05 12.2	19.0 V	691
1997 GT ₃₁	1997 04 16.41878	14 33 21.29	+04 17 02.7	19.9 V	691	1042 T-2	1997 03 15.37937	10 29 09.07	+07 05 18.9	19.1 V	691
1997 GU ₃₁	* 1997 04 14.38847	14 34 49.91	+03 44 07.8	19.2 V	691	2145 T-2	1997 04 14.19910	12 08 19.08	-00 32 25.0	19.2 V	691
1997 GU ₃₁	1997 04 14.41140	14 34 49.07	+03 44 19.6	19.3 V	691	2145 T-2	1997 04 14.22172	12 08 18.20	-00 32 14.3	19.0 V	691
1997 GU ₃₁	1997 04 14.43270	14 34 48.24	+03 44 30.4	19.4 V	691	2145 T-2	1997 04 14.24342	12 08 17.34	-00 32 04.3	19.0 V	691
1997 GU ₃₁	1997 04 16.37527	14 33 35.79	+04 01 05.7	19.4 V	691	2145 T-2	1997 04 15.19873	12 07 41.65	-00 24 40.3	19.2 V	691
1997 GU ₃₁	1997 04 16.39721	14 33 34.93	+04 01 16.7	19.4 V	691	2145 T-2	1997 04 15.22063	12 07 40.80	-00 24 30.5	19.2 V	691
1997 GU ₃₁	1997 04 16.41892	14 33 34.08	+04 01 27.7	19.4 V	691	2145 T-2	1997 04 15.24220	12 07 39.95	-00 24 20.3	19.2 V	691
1997 GV ₃₁	* 1997 04 14.39634	14 46 11.44	+03 54 58.8	19.7 V	691	3042 T-2	1993 09 15.38112	00 51 24.26	+00 36 10.8		691
1997 GV ₃₁	1997 04 14.41926	14 46 10.48	+03 55 05.2	19.8 V	691	3042 T-2	1993 09 15.41332	00 51 22.74	+00 35 56.2	18.7 V	691
1997 GV ₃₁	1997 04 14.44057	14 46 09.61	+03 55 11.3	19.9 V	691	3042 T-2	1993 09 15.44595	00 51 21.22	+00 35 41.6		691
1997 GV ₃₁	1997 04 16.38305	14 44 50.18	+04 04 03.1	20.0 V	691	3434 T-3	1997 03 15.32446	10 12 38.31	+07 14 34.2	19.9 V	691
1997 GV ₃₁	1997 04 16.40500	14 44 49.17	+04 04 08.5	19.3 V	691	3434 T-3	1997 03 15.34572	10 12 37.47	+07 14 41.0	20.5 V	691
1997 GV ₃₁	1997 04 16.42671	14 44 48.26	+04 04 13.6	19.2 V	691	3434 T-3	1997 03 15.36791	10 12 36.58	+07 14 48.2	20.1 V	691
1997 GW ₃₁	* 1997 04 15.19417	12 01 06.92	-00 02 59.4	19.9 V	691	4343 T-3	1991 10 07.37361	01 30 57.19	+03 31 36.4	18.2 V	691
1997 GW ₃₁	1997 04 15.21607	12 01 06.19	-00 02 47.4	19.7 V	691	4343 T-3	1991 10 07.39429	01 30 56.26	+03 31 28.2		691
1997 GW ₃₁	1997 04 15.23764	12 01 05.44	-00 02 35.6	19.7 V	691	4343 T-3	1991 10 07.41463	01 30 55.34	+03 31 19.7		691
1997 GW ₃₁	1997 04 16.19480	12 00 35.19	+00 05 47.3	20.0 V	691	(428)	1997 04 09.31179	12 07 58.72	+00 55 14.0	15.8 V	691
1997 GW ₃₁	1997 04 16.21657	12 00 34.45	+00 05 58.5	19.6 V	691	(428)	1997 04 09.33373	12 07 57.50	+00 55 18.3	15.6 V	691
1997 GW ₃₁	1997 04 16.23889	12 00 33.76	+00 06 10.4	19.6 V	691	(428)	1997 04 09.35550	12 07 56.26	+00 55 22.7	15.6 V	691
1997 GX ₃₁	* 1997 04 15.19945	12 08 44.30	-00 02 24.5	20.1 V	691	(1016)	1997 04 08.23840	12 07 31.22	-00 47 25.1	15.0 V	691
1997 GX ₃₁	1997 04 15.22135	12 08 43.32	-00 02 16.7	20.2 V	691	(1016)	1997 04 08.25945	12 07 29.97	-00 47 21.2	15.0 V	691
1997 GX ₃₁	1997 04 15.24292	12 08 42.37	-00 02 08.1	20.2 V	691	(1016)	1997 04 08.28048	12 07 28.73	-00 47 17.1	14.8 V	691
1997 GX ₃₁	1997 04 16.19998	12 08 03.56	+00 03 50.4	20.0 V	691	(1016)	1997 04 15.19435	12 01 22.16	-00 28 09.0	15.2 V	691
1997 GX ₃₁	1997 04 16.22175	12 08 02.65	+00 03 58.0	20.2 V	691	(1016)	1997 04 15.21624	12 01 21.04	-00 28 05.9	15.2 V	691
1997 GX ₃₁	1997 04 16.24406	12 08 01.68	+00 04 06.3	20.6 V	691	(1016)	1997 04 15.23781	12 01 19.94	-00 28 02.8	15.1 V	691
1997 GY ₃₁	* 1997 04 15.25284	14 38 19.05	+04 13 42.5	19.1 V	691	(1093)	1997 04 10.36600	14 24 52.91	+04 25 39.3	13.3 V	691
1997 GY ₃₁	1997 04 15.26097	14 38 18.34	+04 13 40.5	19.1 V	691	(1093)	1997 04 10.38732	14 24 51.76	+04 25 39.5	13.3 V	691
1997 GY ₃₁	1997 04 15.27022	14 38 17.54	+04 13 38.3	19.1 V	691	(1093)	1997 04 10.40853	14 24 50.61	+04 25 40.2	13.4 V	691
1997 GY ₃₁	1997 04 16.37742	14 36 42.06	+04 08 43.9	19.3 V	691	(1560)	1997 04 11.17238	11 51 28.79	-08 35 31.4	16.4 V	691
1997 GY ₃₁	1997 04 16.42105	14 36 38.18	+04 08 31.9	19.3 V	691	(1560)	1997 04 11.19669	11 51 27.77	-08 35 22.5	16.4 V	691
1997 GD ₃₂	* 1997 04 14.39134	14 38 58.33	+03 52 14.2	18.7 V	691	(1560)	1997 04 11.21972	11 51 26.78	-08 35 15.2	16.4 V	691
1997 GD ₃₂	1997 04 14.41431	14 39 01.28	+03 52 32.4	18.8 V	691	(1769)	1997 04 09.19451	10 32 06.85	+07 48 23.6	17.4 V	691
1997 GD ₃₂	1997 04 14.43565	14 39 04.03	+03 52 49.3	18.9 V	691	(1769)	1997 04 09.21847	10 32 06.21	+07 48 27.0	17.3 V	691
1997 GD ₃₂	1997 04 15.25483	14 41 11.58	+04 03 59.7	18.7 V	691	(1769)	1997 04 09.23950	10 32 05.64	+07 48 29.6	17.4 V	691
1997 GD ₃₂	1997 04 15.26299	14 41 12.74	+04 04 06.4	18.6 V	691	(2238)	1997 04 09.30707	12 01 10.24	+00 48 34.9	17.9 V	691
1997 GD ₃₂	1997 04 15.27225	14 41 14.07	+04 04 14.6	18.6 V	691	(2238)	1997 04 09.32902	12 01 09.32	+00 48 40.1	18.0 V	691
1997 GD ₃₂	1997 04 16.34838	14 44 12.40	+04 20 00.6	18.3 V	691	(2238)	1997 04 09.35079	12 01 08.49	+00 48 45.4	18.1 V	691
1997 GD ₃₂	1997 04 16.35395	14 44 13.24	+04 20 05.5	18.3 V	691	(2353)	1997 04 15.29056	14 00 53.02	-13 00 16.4	15.4 V	691
1997 GD ₃₂	1997 04 16.35986	14 44 14.19	+04 20 10.9	18.4 V	691	(2353)	1997 04 15.31245	14 00 51.84	-13 00 12.9	15.5 V	691
1997 GD ₃₂	1997 04 16.38268	14 44 17.76	+04 20 32.2	18.7 V	691	(2353)	1997 04 15.33449	14 00 50.67	-13 00 08.8	15.5 V	691
1997 GD ₃₂	1997 04 16.40467	14 44 21.23	+04 20 52.1	18.5 V	691	(2899)	1997 04 07.27518	12 06 58.56	+00 27 29.3	16.8 V	691
1997 GD ₃₂	1997 04 16.42643	14 44 24.68	+04 21 12.0	18.6 V	691	(2899)	1997 04 07.29703	12 06 57.28	+00 27 35.4	16.9 V	691
2725 P-L	1991 10 11.37415	01 43 25.06	+09 56 12.3	19.4 V	691	(2899)	1997 04 07.31957	12 06 55.95	+00 27 41.7	17.0 V	691
2725 P-L	1991 10 11.39480	01 43 24.00	+09 56 05.6		691	(2899)	1997 04 09.30977	12 05 04.39	+00 36 40.9	17.1 V	691
2725 P-L	1991 10 11.41550	01 43 22.94	+09 55 59.0		691	(2899)	1997 04 09.33172	12 05 03.14	+00 36 46.7	17.1 V	691

1995 SO ₁	1997 03 21.22880	07 43 10.62	+08 22 58.4		693	1981 TK	1997 03 30.25848	09 43 01.87	+34 18 01.3		696
1995 SO ₁	1997 03 21.23286	07 43 10.66	+08 22 58.1		693	1993 XN ₂	1997 04 01.10841	05 53 33.35	+47 17 37.6	20.0 R	696
1995 SO ₁	1997 03 22.25245	07 43 20.63	+08 21 56.7		693	1993 XN ₂	1997 04 01.11105	05 53 33.78	+47 17 37.4		696
1995 SO ₁	1997 03 22.26036	07 43 20.69	+08 21 56.2		693	1994 LL	1997 02 01.30450	05 37 26.85	-05 31 50.6	17.2 R	696
1995 SP ₁	1997 03 21.24818	08 15 53.60	+15 40 47.2	17.7 R	693	1994 LL	1997 02 01.30575	05 37 26.84	-05 31 49.8	17.2 R	696
1995 SP ₁	1997 03 21.25172	08 15 53.58	+15 40 45.9	17.8 R	693	1994 LL	1997 02 01.30619	05 37 26.83	-05 31 49.1	17.5 R	696
1995 SR ₁	1997 03 21.18204	04 21 25.31	+39 28 07.9	17.9 R	693	1994 ND	1997 03 30.33462	15 40 32.66	+23 45 36.4	21.5 R	F 696
1995 SR ₁	1997 03 21.18553	04 21 25.58	+39 28 06.9	18.0 R	693	1994 ND	1997 03 30.33907	15 40 32.61	+23 45 40.1	21.2 R	696
1995 SG ₄	1997 03 24.22662	09 47 35.59	-03 42 49.6	18.5 R	693	1994 ND	1997 03 30.34352	15 40 32.52	+23 45 44.3		696
1995 SG ₄	1997 03 24.23057	09 47 35.42	-03 42 48.9	18.4 R	693	1994 PN	1997 03 29.42971	14 12 50.76	+51 53 39.4	21.0 R	696
1995 SG ₄	1997 03 25.26372	09 46 51.25	-03 40 14.1		693	1994 PN	1997 03 29.43426	14 12 50.45	+51 53 41.9	21.0 R	696
1995 SG ₄	1997 03 25.26755	09 46 51.06	-03 40 14.8		693	1994 PN	1997 03 29.43848	14 12 50.14	+51 53 44.4		F 696
1995 SJ ₄	1997 03 21.20469	05 57 09.17	+13 04 59.8	19.3 R	693	1994 PN	1997 03 30.32093	14 11 52.82	+52 01 46.3	20.5 R	696
1995 SJ ₄	1997 03 21.20642	05 57 09.24	+13 04 59.9	19.1 R	693	1994 PN	1997 03 30.32574	14 11 52.43	+52 01 48.5	20.9 R	696
1995 SJ ₄	1997 03 21.21069	05 57 09.39	+13 04 59.6		693	1994 PN	1997 03 30.33007	14 11 52.12	+52 01 51.3		696
1995 SL ₃₅	1997 03 21.30078	10 06 51.31	+36 08 15.0	18.6 R	693	1994 VR ₆	1997 03 30.35253	12 19 40.34	+35 53 41.3		696
1995 SL ₃₅	1997 03 21.30243	10 06 51.23	+36 08 14.2		693	1994 VR ₆	1997 03 30.35564	12 19 40.18	+35 53 41.3		696
1996 XU ₁₄	1997 03 21.18824	05 29 49.26	+31 19 10.0		693	1995 QU ₃	1997 03 30.13865	09 25 46.27	-07 48 48.9	18.4 R	696
1996 XU ₁₄	1997 03 21.19326	05 29 49.85	+31 19 07.4	18.3 R	693	1995 QU ₃	1997 03 30.14343	09 25 46.17	-07 48 47.8	18.4 R	696
1996 XS ₂₃	1997 03 21.17529	06 10 29.79	+53 59 02.3	17.9 R	693	1995 QU ₃	1997 03 30.14735	09 25 46.10	-07 48 46.9		696
1996 XS ₂₃	1997 03 21.17904	06 10 30.31	+53 59 00.1	18.3 R	693	1995 RA	1997 02 01.31414	09 59 20.25	-02 32 53.1	16.5 R	696
1997 AL ₆	1997 03 21.21797	06 33 23.84	+16 58 16.8	19.3 R	693	1995 RA	1997 02 01.31493	09 59 20.20	-02 32 53.3	16.6 R	696
1997 AL ₆	1997 03 21.22159	06 33 23.97	+16 58 15.9		693	1995 RA	1997 02 01.31575	09 59 20.14	-02 32 53.4	16.5 R	696
695 Kitt Peak						1995 SL ₃₅	1997 02 01.41128	11 03 16.38	+37 38 55.4	18.1 R	696
D. D. Balam, Dept. of Physics, University of Victoria, P.O. Box 3055, Victoria, BC						1995 SL ₃₅	1997 02 01.41310	11 03 16.27	+37 38 55.9	18.1 R	696
V8W 3P6, Canada [balam@beluga.phys.Uvic.ca]						1995 SL ₃₅	1997 02 01.41491	11 03 16.16	+37 38 56.4	18.2 R	696
Observers F. D. A. Hartwick, S. J. Ryan						1995 YV ₃	1997 03 30.44113	14 26 24.45	+26 24 43.4		696
Measurer J. Ouellette						1995 YV ₃	1997 03 30.44385	14 26 24.36	+26 24 44.6	19.4 R	696
0.61-m <i>f</i> /3.6 Burrell Schmidt + CCD						1995 YV ₃	1997 03 30.44924	14 26 24.09	+26 24 46.8	19.7 R	696
GSC						1996 TS ₅	1997 03 29.11916	02 55 23.54	+31 21 42.0	18.2 R	696
1992 TY ₁	* 1992 10 02.40801	02 57 31.21	+01 12 04.9	18	695	1996 TS ₅	1997 03 29.12032	02 55 23.72	+31 21 42.1	18.3 R	696
1992 TY ₁	1992 10 02.50868	02 57 28.75	+01 11 17.2		695	1996 TS ₅	1997 03 29.12199	02 55 24.03	+31 21 42.3		696
1992 TY ₁	1992 10 03.42429	02 57 07.34	+01 03 57.5		695	1996 TX ₈	1997 03 29.12358	02 52 59.53	+36 34 14.3	20.0 R	696
1992 TY ₁	1992 10 04.43574	02 56 42.20	+00 55 50.7		695	1996 TX ₈	1997 03 29.12567	02 52 59.83	+36 34 14.4	19.9 R	696
1992 TY ₁	1992 10 05.43121	02 56 16.11	+00 47 48.3		695	1996 TX ₈	1997 03 29.12788	02 53 00.00	+36 34 14.6		696
1992 TZ ₁	* 1992 10 01.48295	02 56 40.08	+01 07 10.0	18.5	695	1997 AX ₁₂	1997 03 30.15045	08 49 29.11	+24 04 54.1	19.7 R	696
1992 TZ ₁	1992 10 02.40801	02 56 31.97	+01 02 14.8		695	1997 AX ₁₂	1997 03 30.15262	08 49 29.22	+24 04 53.9	19.7 R	696
1992 TZ ₁	1992 10 02.50868	02 56 30.65	+01 01 42.6		695	1997 AX ₁₂	1997 03 30.15610	08 49 29.41	+24 04 52.8		696
1992 TZ ₁	1992 10 04.43574	02 56 07.30	+00 51 24.8		695	1997 DF	1997 03 30.15883	08 56 53.48	+28 01 08.3	19.5 R	696
1992 TZ ₁	1992 10 05.43121	02 55 52.14	+00 46 05.1		695	1997 DF	1997 03 30.16255	08 56 53.71	+28 01 10.3	19.5 R	696
696 F. L. Whipple Observatory, Mount Hopkins						1997 DF	1997 03 30.16593	08 56 53.90	+28 01 11.5		696
B. G. Marsden, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street,						1997 EN ₂₃	1997 03 29.37635	11 33 28.28	+08 13 42.3	20.1 R	696
Cambridge, MA 02138, U.S.A. [bmarsden@cfa.harvard.edu]						1997 EN ₂₃	1997 03 29.37794	11 33 28.66	+08 13 43.1	20.3 R	696
D. Moraru, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street,						1997 EN ₂₃	1997 03 29.37971	11 33 29.12	+08 13 44.3		696
Cambridge, MA 02138, U.S.A. [dmoraru@cfa.harvard.edu]						1997 EH ₂₉	1997 03 29.36086	11 23 03.59	+06 03 14.7	21.2 R	696
Observers C. W. Hergenrother, D. Moraru						1997 EH ₂₉	1997 03 29.36303	11 23 03.30	+06 03 17.3	20.8 R	696
Measurers C. W. Hergenrother, T. B. Spahr, G. V. Williams						1997 EH ₂₉	1997 03 29.36491	11 23 03.07	+06 03 19.5	21.1 R	696
1.2-m <i>f</i> /8 reflector + CCD						1997 ET ₃₀	1997 03 29.35433	10 17 59.59	+17 54 56.7	19.7 R	696
USNO-A1.0						1997 ET ₃₀	1997 03 29.35630	10 17 59.48	+17 54 57.1		696
1981 TK	1997 03 30.24987	09 43 02.13	+34 18 07.7	17.6 R	696	1997 ET ₃₀	1997 03 29.35818	10 17 59.39	+17 54 57.0	19.6 R	696
1981 TK	1997 03 30.25420	09 43 02.00	+34 18 04.5	17.5 R	696	1997 GX ₂₇	* 1997 04 11.34965	12 13 10.13	+40 38 23.1	18	t 696
						1997 GX ₂₇	1997 04 11.35527	12 13 09.41	+40 38 10.2		t 696

1997 GX ₂₇	1997 04 12.24693	12 11 24.83	+40 04 18.6	t 696
1997 GX ₂₇	1997 04 12.25502	12 11 23.93	+40 04 00.5	I 696
1997 GX ₂₇	1997 04 13.18216	12 09 38.20	+39 27 57.6	696
1997 GX ₂₇	1997 04 13.18930	12 09 37.37	+39 27 40.8	696
1997 GX ₂₇	1997 04 13.43970	12 09 07.97	+39 17 44.2	696
1997 GX ₂₇	1997 04 13.44624	12 09 07.23	+39 17 28.7	696
1997 GX ₂₇	1997 04 14.12715	12 07 53.72	+38 50 22.3	696
1997 GX ₂₇	1997 04 14.17501	12 07 48.26	+38 48 28.1	696
1997 GX ₂₇	1997 04 14.18638	12 07 46.97	+38 48 00.6	696
1997 GX ₂₇	1997 04 14.41831	12 07 20.67	+38 38 36.9	696
1997 GX ₂₇	1997 04 14.42285	12 07 20.14	+38 38 26.0	696

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Observers H. F. Levison, J. W. Parker

2.4-m reflector + CCD

GSC

1997 EO ₃₂	1997 02 07.48095	12 42 28.40	-04 15 31.7	697
1997 EO ₃₂	1997 02 08.43524	12 42 25.79	-04 14 51.4	697

700 Chinle

J. Bruton, Many Farms Observatory, P.O. Box 86, Chinle, AZ 86503, U.S.A.

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0.30-m $f/10$ Schmidt-Cassegrain + CCD

1997 FK	* 1997 03 20.26434	12 48 08.40	+00 22 44.3	17.8 V	700
1997 FK	1997 03 20.26985	12 48 08.08	+00 22 47.3	20.3 V	700
1997 FK	1997 03 20.28022	12 48 07.55	+00 22 52.5	18.3 V	700
1997 FK	1997 03 20.28641	12 48 07.37	+00 22 53.4	18.1 V	700
1997 FK	1997 03 21.25961	12 47 28.85	+00 28 41.5	17.9 V	700
1997 FK	1997 03 21.28088	12 47 27.98	+00 28 51.0	18.1 V	700
(1738)	1997 03 20.26434	12 47 32.28	+00 17 04.7	16.6 V	700
(1738)	1997 03 20.26985	12 47 31.91	+00 17 05.9	16.6 V	700
(1738)	1997 03 20.28022	12 47 31.31	+00 17 10.0	16.7 V	700
(1738)	1997 03 20.28641	12 47 30.90	+00 17 12.1	16.3 V	700
(1738)	1997 03 21.21663	12 46 36.04	+00 22 08.9	15.6 V	700
(1738)	1997 03 21.24035	12 46 34.59	+00 22 15.8	15.3 V	700
(1738)	1997 04 06.18383	12 29 50.66	+01 44 52.8	17.1 V	700
(1738)	1997 04 06.21435	12 29 48.67	+01 45 01.6	16.6 V	700
(1738)	1997 04 06.22370	12 29 48.06	+01 45 04.2	16.6 V	700
(1738)	1997 04 07.19306	12 28 46.98	+01 49 35.8	16.7 V	700
(1738)	1997 04 07.20667	12 28 46.10	+01 49 39.5	16.7 V	700
(1839)	1997 03 20.30387	13 37 19.56	-01 08 22.0	17.7 V	700
(1839)	1997 03 20.31275	13 37 19.18	-01 08 20.2	17.4 V	700
(1839)	1997 03 21.30714	13 36 37.65	-01 04 59.5	16.8 V	700
(1839)	1997 03 21.32240	13 36 36.94	-01 04 56.3	17.3 V	700
(1839)	1997 03 30.33435	13 29 44.72	-00 34 04.5	17.2 V	700
(1839)	1997 03 30.34076	13 29 44.38	-00 34 02.8	17.3 V	700
(1839)	1997 03 30.35068	13 29 43.90	-00 34 00.7	17.2 V	700
(2060)	1997 04 06.30933	13 51 07.01	-11 34 15.7	16.6 V	700
(2060)	1997 04 06.31978	13 51 06.82	-11 34 14.5	16.4 V	700
(2060)	1997 04 06.34441	13 51 06.42	-11 34 11.5	16.3 V	700
(3309)	1997 03 30.37436	14 09 48.67	-03 25 37.5	16.3 V	700

(3309)	1997 03 30.38073	14 09 48.10	-03 25 41.8	16.4 V	700
(3309)	1997 03 30.39100	14 09 47.20	-03 25 48.1	16.4 V	700
(3309)	1997 04 06.35845	13 58 49.43	-04 43 44.2	15.8 V	700
(3309)	1997 04 06.36458	13 58 48.69	-04 43 47.5	15.8 V	700
(3309)	1997 04 06.37547	13 58 47.49	-04 43 54.9	15.9 V	700
(3309)	1997 04 07.24778	13 57 17.81	-04 54 08.7	16.0 V	700
(3309)	1997 04 07.26383	13 57 16.06	-04 54 19.7	16.2 V	700
(3480)	1997 03 30.39715	14 25 25.31	-12 24 02.0	16.9 V	700
(3480)	1997 03 30.40576	14 25 25.14	-12 23 59.5	17.1 V	700
(3480)	1997 03 30.41406	14 25 25.00	-12 23 57.4	17.5 V	700
(3646)	1997 04 06.30933	13 51 03.62	-11 39 20.6	17.2 V	700
(3646)	1997 04 06.34441	13 51 01.85	-11 39 12.5	17.2 V	700
(5145)	1997 04 06.24385	13 12 55.44	+19 50 57.8	17.6 V	700
(5145)	1997 04 06.27120	13 12 55.14	+19 50 59.8	17.5 V	700
(5145)	1997 04 06.29045	13 12 54.75	+19 51 01.8	17.9 V	700
(5145)	1997 04 07.21752	13 12 41.71	+19 52 22.8	17.8 V	700
(5145)	1997 04 07.24304	13 12 41.32	+19 52 24.6	17.4 V	700

704 Lincoln Laboratory Experimental Test System, New Mexico

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Observers M. Blythe, F. Shelly

Measurers J. Sharma, J. Stuart, H. Vighh

1.0-m $f/2.15$ reflector + CCD

1953 TA ₁	1997 04 11.17884	13 09 47.22	-09 34 25.9	18.3 V	704
1953 TA ₁	1997 04 11.23559	13 09 43.95	-09 34 02.0		704
1964 VZ ₂	1997 03 04.19924	09 05 18.62	+20 57 30.6		704
1964 VZ ₂	1997 03 04.34461	09 05 14.03	+20 57 41.1		704
1964 VZ ₂	1997 03 05.14734	09 04 50.87	+20 58 42.7		704
1964 VZ ₂	1997 03 05.29236	09 04 46.52	+20 58 53.1		704
1964 VZ ₂	1997 03 06.14717	09 04 23.02	+20 59 51.0		704
1964 VZ ₂	1997 03 06.29226	09 04 18.84	+21 00 00.6		704
1977 DS ₄	1997 04 03.28609	13 00 55.09	-03 45 26.8	18.3 V	704
1977 DS ₄	1997 04 03.40043	13 00 49.29	-03 44 58.3		704
1977 DS ₄	1997 04 05.23630	12 59 18.03	-03 37 28.0	17.8 V	704
1977 DS ₄	1997 04 05.36186	12 59 11.49	-03 36 57.6		704
1977 DS ₄	1997 04 06.15819	12 58 32.06	-03 33 43.5	17.7 V	704
1977 DS ₄	1997 04 06.24639	12 58 27.55	-03 33 22.6		704
1977 DS ₄	1997 04 07.14811	12 57 42.53	-03 29 43.8	17.8 V	704
1977 DS ₄	1997 04 07.22656	12 57 38.50	-03 29 24.4		704
1977 QK ₁	1997 03 05.30927	09 19 55.83	+16 31 03.8		704
1977 QK ₁	1997 03 06.16407	09 19 17.73	+16 33 19.4		704
1977 QK ₁	1997 03 06.30941	09 19 11.02	+16 33 41.3		704
1977 QD ₂	1997 04 07.15140	13 03 12.33	-11 18 44.5	18.3 V	704
1977 QD ₂	1997 04 07.22985	13 03 07.39	-11 18 24.2		704
1978 SX ₇	1997 04 03.28325	12 55 57.01	-10 07 06.2	19.0 V	704
1978 SX ₇	1997 04 03.39755	12 55 50.33	-10 06 35.7		704
1978 SX ₇	1997 04 07.14200	12 52 23.63	-09 49 08.2	18.6 V	704
1978 SX ₇	1997 04 07.22045	12 52 19.13	-09 48 46.1		704
1978 VN ₉	1997 03 04.19948	09 03 10.91	+21 05 10.5		704
1978 VN ₉	1997 03 04.30870	09 03 06.66	+21 05 24.8		704
1978 VN ₉	1997 03 05.14758	09 02 35.74	+21 07 22.9		704
1978 VN ₉	1997 03 05.29260	09 02 30.24	+21 07 43.1		704

1978 VN ₉	1997 03 06.14741	09 01 59.92	+21 09 36.1		704	1981 WH	1997 03 06.15804	09 05 08.26	+17 58 27.0		704
1978 VN ₉	1997 03 06.29250	09 01 54.59	+21 09 53.3		704	1981 WH	1997 03 06.30313	09 05 03.51	+17 58 59.4		704
1979 MR ₂	1997 04 11.17993	13 12 03.89	-08 10 57.4	17.8 V	704	1982 UD ₆	1997 04 01.19979	08 46 39.25	+16 13 59.9	17.4 V	704
1979 MR ₂	1997 04 11.23669	13 12 01.07	-08 10 40.1		704	1982 UD ₆	1997 04 01.26400	08 46 40.49	+16 13 54.1		704
1981 DT	1997 03 10.25258	09 58 06.91	+09 51 43.8	17.8 V	704	1982 UD ₇	1997 04 03.29712	13 09 55.20	-08 44 57.6	18.1 V	704
1981 DT	1997 03 10.35847	09 58 01.66	+09 51 41.7		704	1982 UD ₇	1997 04 03.41178	13 09 49.38	-08 44 08.4		704
1981 DT	1997 03 11.29458	09 57 17.61	+09 51 23.8	17.6 V	704	1982 UD ₇	1997 04 11.17110	13 03 19.30	-07 48 37.1	18.3 V	704
1981 DT	1997 03 11.39644	09 57 12.73	+09 51 21.9		704	1982 UD ₇	1997 04 11.22804	13 03 16.43	-07 48 11.9		704
1981 DT	1997 03 12.23584	09 56 34.17	+09 51 03.5	18.0 V	704	1982 VO ₃	1997 04 02.41376	14 50 15.04	-13 19 55.7	19.6 V	704
1981 DT	1997 03 12.33769	09 56 29.34	+09 51 00.8		704	1982 VO ₃	1997 04 02.45542	14 50 13.64	-13 19 48.1		704
1981 EM ₈	1997 03 11.30324	09 58 37.16	+06 51 40.2	18.2 V	704	1982 VO ₃	1997 04 06.31339	14 48 10.39	-13 09 35.9	19.9 V	704
1981 EM ₈	1997 03 11.37964	09 58 34.27	+06 51 57.8		704	1982 VO ₃	1997 04 06.40783	14 48 06.98	-13 09 20.8		704
1981 EM ₈	1997 03 12.21904	09 58 02.64	+06 55 19.2	18.4 V	704	1982 VO ₃	1997 04 08.34910	14 46 59.84	-13 03 52.4		704
1981 EM ₈	1997 03 12.32089	09 57 58.81	+06 55 43.4		704	1982 VO ₃	1997 04 08.42434	14 46 57.07	-13 03 39.2		704
1981 ED ₁₂	1997 04 03.28734	13 00 58.62	-08 38 39.0	18.1 V	704	1983 RB ₄	1997 04 03.28547	12 58 01.98	-03 21 11.0	19.0 V	704
1981 ED ₁₂	1997 04 03.40173	13 00 53.06	-08 37 22.8		704	1983 RB ₄	1997 04 03.39979	12 57 55.46	-03 20 37.3		704
1981 ED ₁₂	1997 04 05.23769	12 59 28.85	-08 16 44.7	17.7 V	704	1983 RB ₄	1997 04 05.23143	12 56 13.93	-03 11 16.8	18.9 V	704
1981 ED ₁₂	1997 04 05.36325	12 59 22.73	-08 15 20.4		704	1983 RB ₄	1997 04 05.35699	12 56 06.71	-03 10 37.6		704
1981 ED ₁₂	1997 04 06.15680	12 58 46.59	-08 06 23.4	17.9 V	704	1983 RB ₄	1997 04 07.14404	12 54 27.60	-03 01 32.2	19.2 V	704
1981 ED ₁₂	1997 04 06.24500	12 58 42.34	-08 05 23.4		704	1983 RB ₄	1997 04 07.22248	12 54 23.04	-03 01 08.3		704
1981 EB ₂₁	1997 03 05.17101	09 14 10.04	+14 20 42.5		704	1984 YN ₁	1997 03 04.20117	09 14 26.18	+20 22 41.4		704
1981 EB ₂₁	1997 03 05.31579	09 14 04.98	+14 21 00.5		704	1984 YN ₁	1997 03 04.34654	09 14 19.64	+20 22 53.4		704
1981 EB ₂₁	1997 03 06.17059	09 13 37.42	+14 22 46.5		704	1984 YN ₁	1997 03 05.14928	09 13 45.86	+20 24 06.6		704
1981 EB ₂₁	1997 03 06.31593	09 13 32.54	+14 23 03.2		704	1984 YN ₁	1997 03 05.29429	09 13 39.60	+20 24 18.5		704
1981 EZ ₂₂	1997 03 06.15659	09 08 11.86	+18 25 24.2		704	1984 YN ₁	1997 03 06.14910	09 13 04.76	+20 25 26.6		704
1981 EZ ₂₂	1997 03 06.30168	09 08 04.95	+18 25 43.2		704	1984 YN ₁	1997 03 06.25797	09 13 00.13	+20 25 35.1		704
1981 EB ₂₇	1997 03 06.16697	08 59 43.81	+15 39 33.4		704	1985 DC ₁	1997 04 02.41445	14 49 34.97	-15 27 20.0	17.9 V	704
1981 EB ₂₇	1997 03 06.31230	08 59 39.21	+15 40 08.4		704	1985 DC ₁	1997 04 02.45611	14 49 33.72	-15 27 13.8		704
1981 EW ₃₁	1997 03 10.24514	09 57 03.22	+08 39 38.3	18.0 V	704	1985 DC ₁	1997 04 07.29041	14 47 04.34	-15 14 41.5	18.7 V	704
1981 EW ₃₁	1997 03 10.35102	09 56 59.29	+08 40 16.7		704	1985 DC ₁	1997 04 07.39551	14 47 00.66	-15 14 23.0		704
1981 EW ₃₁	1997 03 11.28745	09 56 26.07	+08 45 56.2	18.7 V	704	1985 JM	1997 04 11.18416	13 06 06.47	-11 11 04.9		704
1981 EW ₃₁	1997 03 11.38931	09 56 22.34	+08 46 32.9		704	1985 JM	1997 04 11.18432	13 06 06.30	-11 11 03.3	18.2 V	704
1981 EW ₃₁	1997 03 12.22820	09 55 53.30	+08 51 33.8	18.2 V	704	1985 JM	1997 04 11.24094	13 06 03.47	-11 10 35.3		704
1981 EW ₃₁	1997 03 12.33005	09 55 49.70	+08 52 09.3		704	1985 JM	1997 04 11.24109	13 06 03.44	-11 10 35.3		704
1981 QQ ₂	1997 03 04.21009	09 05 06.24	+17 26 54.4		704	1985 PX	1997 03 05.16521	09 20 07.22	+15 35 43.9		704
1981 QQ ₂	1997 03 04.31930	09 05 01.53	+17 27 25.8		704	1985 PX	1997 03 06.16528	09 19 18.97	+15 41 35.1		704
1981 QQ ₂	1997 03 05.15821	09 04 28.12	+17 31 30.8		704	1985 PX	1997 03 06.31061	09 19 11.75	+15 42 24.5		704
1981 QQ ₂	1997 03 05.30323	09 04 22.08	+17 32 12.8		704	1985 PA ₁	1997 03 10.24673	10 04 15.77	+08 41 04.8	17.9 V	704
1981 SZ ₆	1997 03 04.20020	09 01 47.95	+20 09 01.9		704	1985 PA ₁	1997 03 10.35262	10 04 10.90	+08 41 52.0		704
1981 SZ ₆	1997 03 04.34557	09 01 41.97	+20 09 20.0		704	1985 PA ₁	1997 03 11.28847	10 03 29.66	+08 48 40.0	18.1 V	704
1981 SZ ₆	1997 03 05.14807	09 01 12.01	+20 10 54.7		704	1985 PA ₁	1997 03 11.39033	10 03 25.02	+08 49 24.0		704
1981 SZ ₆	1997 03 05.29309	09 01 06.35	+20 11 12.1		704	1985 PA ₁	1997 03 12.22973	10 02 48.72	+08 55 28.9	17.8 V	704
1981 SZ ₆	1997 03 06.14790	09 00 35.72	+20 12 46.3		704	1985 PA ₁	1997 03 12.33158	10 02 44.16	+08 56 11.8		704
1981 SZ ₆	1997 03 06.29299	09 00 30.28	+20 13 01.2		704	1985 QP	1997 04 03.29271	13 03 52.63	-08 34 26.0	18.6 V	704
1981 UM ₁₁	1997 03 05.17294	09 05 01.59	+13 51 44.4		704	1985 QP	1997 04 03.40725	13 03 45.27	-08 33 49.5		704
1981 UM ₁₁	1997 03 05.31772	09 04 55.70	+13 52 22.6		704	1985 QP	1997 04 05.24030	13 01 50.61	-08 24 29.0	18.7 V	704
1981 UM ₁₁	1997 03 06.17253	09 04 23.55	+13 56 02.2		704	1985 QP	1997 04 05.33451	13 01 44.54	-08 23 58.4		704
1981 UM ₁₁	1997 03 06.31786	09 04 17.96	+13 56 39.3		704	1985 QP	1997 04 06.18294	13 00 51.36	-08 19 36.7	18.1 V	704
1981 WH	1997 03 04.21009	09 06 10.46	+17 50 45.7		704	1985 QP	1997 04 06.24830	13 00 47.12	-08 19 16.7		704
1981 WH	1997 03 04.31930	09 06 06.55	+17 51 12.2		704	1985 QP	1997 04 07.14983	12 59 50.41	-08 14 32.7	18.8 V	704
1981 WH	1997 03 05.15821	09 05 39.34	+17 54 34.7		704	1985 QP	1997 04 07.22828	12 59 45.35	-08 14 08.4		704
1981 WH	1997 03 05.30323	09 05 34.36	+17 55 08.8		704	1985 SC ₃	1997 04 03.27898	12 49 49.50	-10 24 35.0	18.3 V	704

1985 SC ₃	1997 04 03.39331	12 49 42.62	-10 23 38.4		704	1988 RD ₁₁	1997 04 11.17962	13 11 18.35	-09 34 03.7	17.7 V	704
1985 SC ₃	1997 04 05.22413	12 47 55.59	-10 08 32.2	18.5 V	704	1988 RD ₁₁	1997 04 11.23638	13 11 15.52	-09 33 51.5		704
1985 SC ₃	1997 04 05.34970	12 47 48.12	-10 07 29.8		704	1988 SP	1997 03 31.14948	08 44 28.55	+20 23 33.4	18.0 V	704
1985 TN	1997 03 05.14058	09 24 40.25	+22 25 51.5		704	1988 SP	1997 03 31.23665	08 44 30.50	+20 23 22.0		704
1985 TN	1997 03 05.28584	09 24 32.99	+22 25 55.4		704	1988 SP	1997 04 01.19768	08 44 54.55	+20 21 09.0	18.2 V	704
1985 TN	1997 03 06.14065	09 23 53.15	+22 26 20.7		704	1988 SP	1997 04 01.26191	08 44 56.26	+20 21 00.5		704
1985 TN	1997 03 06.28574	09 23 46.13	+22 26 24.1		704	1988 TL ₁	1997 03 31.33102	12 50 31.70	-08 33 04.3	18.2 V	704
1985 TB ₃	1997 04 11.18212	13 15 30.18	-05 12 18.6	18.1 V	704	1988 TL ₁	1997 03 31.41843	12 50 26.48	-08 32 24.5		704
1985 TB ₃	1997 04 11.23890	13 15 26.75	-05 11 52.9		704	1988 TL ₁	1997 04 03.27537	12 47 46.70	-08 10 34.6	18.3 V	704
1986 VX ₅	1997 03 04.19948	09 01 41.68	+21 05 57.6		704	1988 TL ₁	1997 04 03.38968	12 47 40.04	-08 09 40.9		704
1986 VX ₅	1997 03 04.34485	09 01 36.28	+21 06 22.8		704	1988 VQ ₁	1997 04 06.33111	15 06 34.62	-16 03 24.1	19.1 V	704
1986 VX ₅	1997 03 05.14783	09 01 08.74	+21 08 39.8		704	1988 VQ ₁	1997 04 06.42569	15 06 30.40	-16 03 19.8		704
1986 VX ₅	1997 03 06.14765	09 00 35.32	+21 11 24.7		704	1988 VQ ₁	1997 04 11.34989	15 02 43.61	-15 58 35.4	18.6 V	704
1986 VX ₅	1997 03 06.29274	09 00 30.34	+21 11 47.7		704	1988 VQ ₁	1997 04 11.40810	15 02 40.57	-15 58 32.2		704
1986 WO ₉	1997 03 31.13934	08 38 11.89	+15 15 12.3	17.8 V	704	1988 VS ₁	1997 04 02.41827	14 56 01.92	-11 47 11.1	18.3 V	704
1986 WO ₉	1997 03 31.22650	08 38 13.16	+15 15 16.9		704	1988 VS ₁	1997 04 02.45993	14 56 00.32	-11 47 02.0		704
1986 WO ₉	1997 04 01.19018	08 38 26.78	+15 16 07.1	18.2 V	704	1988 VS ₁	1997 04 06.31824	14 53 35.00	-11 32 37.0	18.4 V	704
1986 WO ₉	1997 04 01.25449	08 38 27.92	+15 16 08.7		704	1988 VS ₁	1997 04 06.41272	14 53 30.96	-11 32 15.8		704
1987 QF ₃	1997 03 04.21034	09 07 32.91	+17 53 41.3		704	1988 VS ₁	1997 04 08.35410	14 52 08.49	-11 24 28.5	18.4 V	704
1987 QF ₃	1997 03 04.35571	09 07 26.71	+17 54 21.1		704	1988 VS ₁	1997 04 08.42921	14 52 05.03	-11 24 09.3		704
1987 QF ₃	1997 03 05.15845	09 06 54.74	+17 57 56.6		704	1989 AC ₂	1997 04 11.34957	15 03 12.49	-17 36 32.1	19.7 V	704
1987 QF ₃	1997 03 05.30347	09 06 48.74	+17 58 35.9		704	1989 AC ₂	1997 04 11.40777	15 03 09.65	-17 36 20.6		704
1987 QF ₃	1997 03 06.15683	09 06 15.83	+18 02 18.0		704	1989 AS ₆	1997 04 06.33298	15 09 30.67	-12 04 36.3	18.1 V	704
1987 QF ₃	1997 03 06.30192	09 06 09.85	+18 02 55.0		704	1989 AS ₆	1997 04 06.42758	15 09 27.11	-12 04 14.9		704
1987 RB ₁	1997 04 03.30134	13 15 02.45	-07 46 20.9	19.3 V	704	1989 AS ₆	1997 04 11.35574	15 06 15.53	-11 44 47.6	18.9 V	704
1987 RB ₁	1997 04 03.41600	13 14 57.33	-07 45 51.5		704	1989 AS ₆	1997 04 11.41371	15 06 12.88	-11 44 33.3		704
1987 RB ₁	1997 04 11.17820	13 09 14.70	-07 08 30.7	19.0 V	704	1989 CP	1997 03 31.33029	12 50 35.73	-07 05 38.9	17.1 V	704
1987 RB ₁	1997 04 11.23497	13 09 12.15	-07 08 13.6		704	1989 CP	1997 03 31.41771	12 50 30.56	-07 05 13.4		704
1987 SC ₁	1997 03 04.20961	09 00 59.40	+17 38 26.5		704	1989 CP	1997 04 03.27568	12 47 47.18	-06 51 22.3	18.2 V	704
1987 SC ₁	1997 03 04.31881	09 00 55.60	+17 38 54.1		704	1989 CP	1997 04 03.39000	12 47 40.39	-06 50 48.7		704
1987 SC ₁	1997 03 05.15773	09 00 28.79	+17 42 22.4		704	1989 CB ₄	1997 04 06.33267	15 10 37.18	-10 44 28.7	19.0 V	704
1987 SC ₁	1997 03 05.30275	09 00 23.95	+17 42 59.1		704	1989 CB ₄	1997 04 06.42726	15 10 33.68	-10 43 57.1		704
1987 SC ₁	1997 03 06.15755	08 59 57.83	+17 46 25.3		704	1989 SR ₂	1997 04 02.41740	14 53 26.20	-11 59 56.4	18.5 V	704
1987 SC ₁	1997 03 06.30265	08 59 53.20	+17 46 59.8		704	1989 SR ₂	1997 04 02.45907	14 53 24.86	-11 59 48.9		704
1988 AX ₄	1997 04 06.33282	15 09 04.64	-11 23 20.2	18.9 V	704	1989 SR ₂	1997 04 06.33800	14 51 16.21	-11 48 15.3	16.6 V	704
1988 AX ₄	1997 04 06.42742	15 09 01.54	-11 22 50.2		704	1989 SR ₂	1997 04 06.40892	14 51 13.54	-11 48 01.5		704
1988 AX ₄	1997 04 07.31284	15 08 33.79	-11 17 54.3	18.4 V	704	1989 SR ₂	1997 04 07.29215	14 50 41.92	-11 45 16.0	18.0 V	704
1988 AX ₄	1997 04 07.41776	15 08 30.23	-11 17 18.2		704	1989 SR ₂	1997 04 07.39725	14 50 37.98	-11 44 55.7		704
1988 AX ₄	1997 04 11.35606	15 06 11.74	-10 54 39.4	19.1 V	704	1989 WU ₂	1997 04 03.29963	13 12 32.37	-03 32 08.4	18.9 V	704
1988 AX ₄	1997 04 11.41403	15 06 09.49	-10 54 18.9		704	1989 WU ₂	1997 04 03.41438	13 12 27.25	-03 31 38.5		704
1988 JD	1997 04 11.36005	15 12 44.18	-12 23 00.4	18.9 V	704	1989 WU ₂	1997 04 11.17695	13 06 45.12	-02 58 24.8	18.9 V	704
1988 JD	1997 04 11.41803	15 12 41.87	-12 22 48.5		704	1989 WU ₂	1997 04 11.23372	13 06 42.59	-02 58 09.3		704
1988 RV ₁	1997 03 05.13817	09 01 10.34	+22 43 08.6		704	1989 YK	1997 03 31.13934	08 38 17.15	+15 11 04.4	17.6 V	704
1988 RV ₁	1997 03 05.28343	09 01 04.67	+22 42 58.1		704	1989 YK	1997 03 31.22650	08 38 19.10	+15 11 04.7		704
1988 RV ₁	1997 03 06.13824	09 00 35.17	+22 41 55.0		704	1990 GN	1997 03 04.21202	09 23 12.76	+16 53 20.2		704
1988 RV ₁	1997 03 06.28333	09 00 29.88	+22 41 42.8		704	1990 GN	1997 03 04.32122	09 23 07.83	+16 53 30.9		704
1988 RT ₄	1997 04 03.28090	12 52 18.93	-03 53 47.1	19.5 V	704	1990 GN	1997 03 05.16038	09 22 33.56	+16 54 50.5		704
1988 RT ₄	1997 04 03.39520	12 52 14.03	-03 53 15.1		704	1990 GN	1997 03 05.30540	09 22 27.20	+16 55 02.9		704
1988 RT ₄	1997 04 07.15864	12 49 37.54	-03 36 01.2	19.7 V	704	1990 GN	1997 03 06.16021	09 21 53.85	+16 56 17.3		704
1988 RT ₄	1997 04 07.21826	12 49 34.99	-03 35 46.1		704	1990 GN	1997 03 06.30530	09 21 47.75	+16 56 28.8		704
1988 RB ₁₁	1997 04 11.18024	13 12 58.82	-06 53 18.7	19.3 V	704	1990 QA ₂	1997 04 03.28734	13 00 09.12	-08 39 54.6	18.1 V	704
1988 RB ₁₁	1997 04 11.23700	13 12 56.43	-06 53 02.6		704	1990 QA ₂	1997 04 03.40173	13 00 02.97	-08 39 20.2		704

1990 QA ₂	1997 04 06.15680	12 57 38.93	-08 25 31.4	17.3 V	704	1991 PT ₁₄	1997 03 31.22940	08 40 12.21	+18 57 48.9	704
1990 QA ₂	1997 04 06.24500	12 57 34.23	-08 25 05.2		704	1991 RA ₁	1997 03 05.16642	09 10 34.48	+15 44 33.1	704
1990 QA ₂	1997 04 07.14686	12 56 47.04	-08 20 30.5	17.8 V	704	1991 RA ₁	1997 03 05.31120	09 10 27.67	+15 44 30.2	704
1990 QA ₂	1997 04 07.22530	12 56 42.78	-08 20 06.9		704	1991 RA ₁	1997 03 06.16600	09 09 49.85	+15 44 22.4	704
1990 RD ₆	1997 03 04.19731	09 24 24.98	+21 08 00.9		704	1991 RA ₁	1997 03 06.31134	09 09 43.26	+15 44 19.3	704
1990 RD ₆	1997 03 04.34292	09 24 17.43	+21 07 57.9		704	1991 RB ₅	1997 03 31.33150	12 50 46.89	-09 49 24.9	17.9 V 704
1990 RD ₆	1997 03 05.14565	09 23 37.42	+21 07 43.0		704	1991 RB ₅	1997 03 31.41892	12 50 41.52	-09 49 03.1	704
1990 RD ₆	1997 03 05.29067	09 23 29.99	+21 07 39.6		704	1991 RB ₅	1997 04 03.27505	12 47 51.14	-09 37 31.6	18.5 V 704
1990 RD ₆	1997 03 06.14548	09 22 48.33	+21 07 16.0		704	1991 RB ₅	1997 04 03.38936	12 47 44.07	-09 37 01.9	704
1990 RD ₆	1997 03 06.29057	09 22 41.11	+21 07 11.6		704	1991 RR ₁₂	1997 04 03.29869	13 12 06.54	-06 59 03.0	19.2 V 704
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1990 SY ₂	1997 03 04.35184	09 18 52.19	+18 47 03.2		704	1991 RR ₁₂	1997 04 11.17346	13 04 30.47	-06 20 54.3	19.4 V 704
1990 SY ₂	1997 03 05.15459	09 18 22.09	+18 49 30.5		704	1991 RR ₁₂	1997 04 11.23043	13 04 27.14	-06 20 38.7	704
1990 SY ₂	1997 03 05.29961	09 18 16.42	+18 49 56.2		704	1991 RV ₁₃	1997 03 31.34505	12 59 41.14	-10 07 36.8	18.1 V 704
1990 SY ₂	1997 03 06.15442	09 17 45.24	+18 52 26.8		704	1991 RV ₁₃	1997 03 31.43243	12 59 36.33	-10 06 57.9	704
1990 SY ₂	1997 03 06.29951	09 17 39.77	+18 52 51.9		704	1991 RV ₁₃	1997 04 03.28373	12 57 03.34	-09 45 41.8	17.9 V 704
1990 SF ₅	1997 04 11.18150	13 14 47.69	-02 30 58.8	19.4 V	704	1991 RV ₁₃	1997 04 03.39802	12 56 57.01	-09 44 49.1	704
1990 SF ₅	1997 04 11.23826	13 14 44.69	-02 30 36.7		704	1991 RV ₁₃	1997 04 05.23317	12 55 18.13	-09 30 49.5	18.0 V 704
1990 SR ₆	1997 04 11.35764	15 09 26.38	-16 06 09.7	19.3 V	704	1991 RV ₁₃	1997 04 05.35873	12 55 11.18	-09 29 52.1	704
1990 SR ₆	1997 04 11.41562	15 09 23.99	-16 06 00.2		704	1991 RV ₁₃	1997 04 06.15558	12 54 28.44	-09 23 45.1	18.3 V 704
1990 SV ₁₃	1997 04 06.31182	14 47 34.81	-19 23 58.0	18.8 V	704	1991 RV ₁₃	1997 04 06.24378	12 54 23.56	-09 23 03.7	704
1990 SV ₁₃	1997 04 06.40626	14 47 30.74	-19 23 52.8		704	1991 RV ₁₃	1997 04 07.14216	12 53 35.36	-09 16 07.8	17.9 V 704
1990 TE ₁	1997 04 03.28168	12 55 42.13	-04 05 02.8	19.5 V	704	1991 RV ₁₃	1997 04 07.22061	12 53 30.99	-09 15 31.4	704
1990 TE ₁	1997 04 03.39598	12 55 35.73	-04 04 42.2		704	1991 RM ₁₅	1997 03 05.17004	09 22 48.60	+14 21 50.1	704
1990 TE ₁	1997 04 06.15315	12 53 05.05	-03 56 42.8	19.3 V	704	1991 RM ₁₅	1997 03 05.31482	09 22 41.53	+14 22 17.5	704
1990 TE ₁	1997 04 06.24135	12 53 00.13	-03 56 27.7		704	1991 RM ₁₅	1997 03 06.16987	09 22 01.23	+14 25 09.4	704
1990 TE ₁	1997 04 07.14357	12 52 10.88	-03 53 52.0	19.7 V	704	1991 RM ₁₅	1997 03 06.31520	09 21 54.17	+14 25 36.9	704
1990 TE ₁	1997 04 07.20306	12 52 07.45	-03 53 40.8		704	1991 TP ₁	1997 04 11.34910	15 03 39.49	-19 23 21.3	18.0 V 704
1990 VS ₄	1997 04 11.35256	15 05 42.84	-13 35 40.3	19.0 V	704	1991 TP ₁	1997 04 11.36355	15 03 38.93	-19 23 17.4	18.1 V 704
1990 VS ₄	1997 04 11.41050	15 05 40.62	-13 35 15.7		704	1991 TP ₁	1997 04 11.40729	15 03 37.18	-19 23 07.2	704
1991 AC	1997 04 02.41184	14 47 57.81	-14 21 14.8	18.5 V	704	1991 TP ₁	1997 04 11.42155	15 03 36.59	-19 23 03.7	704
1991 AC	1997 04 02.45354	14 47 56.32	-14 21 10.7		704	1991 UD ₃	1997 04 03.29744	13 10 26.08	-09 57 16.7	18.4 V 704
1991 GB ₃	1997 04 02.41480	14 51 28.40	-16 44 39.0	18.8 V	704	1991 UD ₃	1997 04 03.41211	13 10 19.89	-09 56 24.1	704
1991 GB ₃	1997 04 02.45646	14 51 27.13	-16 44 34.4		704	1991 UD ₃	1997 04 11.17079	13 03 37.64	-08 56 03.8	18.9 V 704
1991 GB ₃	1997 04 06.31573	14 49 29.60	-16 37 12.2	18.5 V	704	1991 UD ₃	1997 04 11.17411	13 03 37.45	-08 56 01.5	18.5 V 704
1991 GB ₃	1997 04 06.41017	14 49 26.36	-16 36 59.8		704	1991 UD ₃	1997 04 11.22772	13 03 34.65	-08 55 38.4	704
1991 GB ₃	1997 04 07.28989	14 48 57.22	-16 35 07.4	18.1 V	704	1991 UD ₃	1997 04 11.23106	13 03 34.44	-08 55 34.3	704
1991 GB ₃	1997 04 07.39500	14 48 53.39	-16 34 53.9		704	1991 VV ₃	1997 04 06.32970	15 04 55.17	-16 23 05.0	19.8 V 704
1991 GB ₃	1997 04 08.34816	14 48 20.66	-16 32 47.3	18.3 V	704	1991 VV ₃	1997 04 06.42429	15 04 51.28	-16 22 52.9	704
1991 GB ₃	1997 04 08.42340	14 48 17.92	-16 32 36.7		704	1991 VO ₇	1997 03 04.21323	09 10 45.98	+17 10 39.2	704
1991 GE ₉	1997 04 06.32201	14 58 30.96	-13 57 07.7	20.0 V	704	1991 VO ₇	1997 03 04.32242	09 10 41.98	+17 11 00.7	704
1991 GE ₉	1997 04 06.41647	14 58 27.73	-13 56 51.4		704	1991 VO ₇	1997 03 05.16135	09 10 13.67	+17 13 45.7	704
1991 GE ₉	1997 04 08.38831	14 57 19.93	-13 51 10.8		704	1991 VO ₇	1997 03 05.30637	09 10 08.55	+17 14 12.4	704
1991 GE ₉	1997 04 08.43298	14 57 18.30	-13 51 01.8		704	1991 VO ₇	1997 03 06.19740	09 09 39.63	+17 17 03.5	704
1991 PJ ₇	1997 04 03.28846	12 52 40.36	-11 26 17.0	18.4 V	704	1991 VO ₇	1997 03 06.30627	09 09 36.03	+17 17 21.6	704
1991 PJ ₇	1997 04 03.40286	12 52 33.18	-11 25 46.5		704	1992 CP ₂	1997 03 12.21547	10 03 29.26	+05 50 38.1	704
1991 PJ ₇	1997 04 05.23925	12 50 40.62	-11 17 24.5	18.6 V	704	1992 CP ₂	1997 03 12.31732	10 03 25.05	+05 51 15.3	704
1991 PJ ₇	1997 04 06.16167	12 49 44.02	-11 13 06.4	18.7 V	704	1992 DE ₄	1997 04 03.28106	12 53 15.56	-03 36 00.8	20.1 V 704
1991 PJ ₇	1997 04 06.24986	12 49 38.53	-11 12 41.0		704	1992 DE ₄	1997 04 03.39536	12 53 09.98	-03 35 23.3	704
1991 PJ ₇	1997 04 07.13728	12 48 44.33	-11 08 30.4	18.6 V	704	1992 DE ₄	1997 04 06.17035	12 50 56.15	-03 20 39.1	19.8 V 704
1991 PJ ₇	1997 04 07.21562	12 48 39.29	-11 08 10.2		704	1992 DE ₄	1997 04 06.23715	12 50 53.03	-03 20 17.2	704
1991 PT ₁₄	1997 03 31.14223	08 40 10.29	+18 57 53.4	18.1 V	704	1992 DE ₄	1997 04 07.13982	12 50 09.53	-03 15 30.2	19.0 V 704

1992 DE ₄	1997 04 07.21826	12 50 05.64	-03 15 05.6	704	1993 FV ₃₁	1997 04 06.42241	15 01 30.84	-11 48 01.5	704
1992 EE ₇	1997 03 04.20262	09 20 49.16	+19 47 03.6	704	1993 FV ₃₁	1997 04 07.30223	15 00 59.65	-11 44 59.2	18.3 V 704
1992 EE ₇	1997 03 04.34798	09 20 43.57	+19 47 47.4	704	1993 FV ₃₁	1997 04 07.38090	15 00 56.56	-11 44 43.5	704
1992 EE ₇	1997 03 05.15072	09 20 14.38	+19 51 44.0	704	1993 FZ ₃₆	1997 04 11.35861	15 11 06.00	-17 50 34.3	19.0 V 704
1992 EE ₇	1997 03 05.29574	09 20 08.98	+19 52 27.2	704	1993 FZ ₃₆	1997 04 11.41657	15 11 03.25	-17 50 27.0	704
1992 EE ₇	1997 03 06.15079	09 19 38.57	+19 56 33.5	704	1994 LK ₁	1997 03 04.19272	09 21 05.04	+22 20 19.5	704
1992 EE ₇	1997 03 06.29588	09 19 33.30	+19 57 14.9	704	1994 LK ₁	1997 03 04.33833	09 20 58.58	+22 21 15.0	704
1992 HX	1997 03 31.34311	12 59 08.13	-04 56 30.2	18.8 V 704	1994 LK ₁	1997 03 05.14082	09 20 25.26	+22 26 22.1	704
1992 HX	1997 03 31.43050	12 59 04.19	-04 56 02.7	704	1994 LK ₁	1997 03 05.28608	09 20 18.99	+22 27 17.3	704
1992 HX	1997 04 05.23178	12 55 24.05	-04 34 24.0	19.0 V 704	1994 LK ₁	1997 03 06.14113	09 19 44.34	+22 32 34.4	704
1992 HX	1997 04 05.35734	12 55 18.08	-04 33 50.5	704	1994 LK ₁	1997 03 06.28623	09 19 38.33	+22 33 27.4	704
1992 HX	1997 04 06.15419	12 54 41.49	-04 30 13.7	19.2 V 704	1994 PE ₁₀	1997 03 05.16376	09 12 38.90	+16 22 09.1	704
1992 HX	1997 04 06.22124	12 54 38.33	-04 29 54.7	704	1994 PE ₁₀	1997 03 05.30878	09 12 34.24	+16 22 35.9	704
1992 HX	1997 04 07.14342	12 53 55.94	-04 25 45.2	19.3 V 704	1994 PE ₁₀	1997 03 06.16359	09 12 08.63	+16 25 06.5	704
1992 HX	1997 04 07.22186	12 53 52.22	-04 25 23.9	704	1994 PE ₁₀	1997 03 06.30892	09 12 04.10	+16 25 32.2	704
1992 SS ₁₆	1997 03 05.16714	09 02 59.88	+15 53 47.2	704	1994 PB ₁₄	1997 04 11.18119	13 11 00.14	-03 14 08.4	704
1992 SS ₁₆	1997 03 05.31192	09 02 53.57	+15 54 15.4	704	1994 PB ₁₄	1997 04 11.23795	13 10 57.37	-03 13 45.9	704
1992 SS ₁₆	1997 03 06.16673	09 02 19.92	+15 57 03.3	704	1994 PH ₁₈	1997 04 06.31480	14 51 18.75	-12 57 06.5	18.7 V 704
1992 SS ₁₆	1997 03 06.31206	09 02 14.00	+15 57 30.4	704	1994 PH ₁₈	1997 04 06.40924	14 51 16.05	-12 56 43.3	704
1992 WY ₁	1997 03 04.20647	09 19 27.55	+18 48 57.0	704	1994 PH ₁₈	1997 04 07.29233	14 50 53.34	-12 52 47.5	19.5 V 704
1992 WY ₁	1997 03 04.35184	09 19 20.80	+18 49 02.7	704	1994 PH ₁₈	1997 04 07.39743	14 50 50.16	-12 52 17.9	704
1992 WY ₁	1997 03 05.15459	09 18 46.80	+18 49 36.6	704	1994 PH ₁₈	1997 04 08.35035	14 50 23.53	-12 47 55.8	18.5 V 704
1992 WY ₁	1997 03 05.29961	09 18 40.37	+18 49 41.9	704	1994 PH ₁₈	1997 04 08.42560	14 50 21.14	-12 47 34.4	704
1992 WY ₁	1997 03 06.15442	09 18 05.52	+18 50 10.0	704	1994 QQ	1997 03 04.20165	09 18 28.99	+20 12 55.0	704
1992 WY ₁	1997 03 06.29951	09 17 59.27	+18 50 14.7	704	1994 QQ	1997 03 04.34702	09 18 22.11	+20 12 52.1	704
1992 YS	1997 03 04.20286	09 18 56.15	+19 36 30.8	704	1994 QQ	1997 03 05.14976	09 17 46.19	+20 12 31.7	704
1992 YS	1997 03 04.34823	09 18 49.46	+19 37 06.2	704	1994 QQ	1997 03 05.29478	09 17 39.50	+20 12 27.3	704
1992 YS	1997 03 05.15097	09 18 14.29	+19 40 17.5	704	1994 QQ	1997 03 06.14934	09 17 02.17	+20 11 59.1	704
1992 YS	1997 03 05.29598	09 18 07.63	+19 40 51.0	704	1994 QQ	1997 03 06.29444	09 16 55.60	+20 11 53.2	704
1992 YS	1997 03 06.15079	09 17 31.31	+19 44 05.9	704	1994 SO ₅	1997 04 03.28090	12 52 27.24	-04 06 58.7	19.1 V 704
1992 YS	1997 03 06.29588	09 17 24.87	+19 44 38.3	704	1994 SO ₅	1997 04 03.39520	12 52 21.49	-04 06 22.8	704
1992 YA ₁	1997 03 05.17052	09 19 19.88	+14 06 32.6	704	1994 SO ₅	1997 04 05.22674	12 50 52.27	-03 56 39.8	18.6 V 704
1992 YA ₁	1997 03 05.31530	09 19 14.04	+14 07 11.8	704	1994 SO ₅	1997 04 05.35230	12 50 45.82	-03 56 00.9	704
1992 YA ₁	1997 03 06.17011	09 18 42.22	+14 10 54.7	704	1994 SO ₅	1997 04 06.14915	12 50 07.23	-03 51 48.0	18.6 V 704
1992 YA ₁	1997 03 06.31544	09 18 36.61	+14 11 32.0	704	1994 SO ₅	1997 04 06.23733	12 50 02.80	-03 51 20.3	704
1993 FU ₇	1997 04 02.41809	14 54 20.78	-11 31 09.3	19.5 V 704	1994 SF ₁₂	1997 03 31.33585	12 54 24.19	-03 44 52.1	18.4 V 704
1993 FU ₇	1997 04 02.45976	14 54 19.44	-11 30 59.6	704	1994 SF ₁₂	1997 03 31.42326	12 54 19.74	-03 44 24.6	704
1993 FU ₇	1997 04 06.31824	14 52 08.84	-11 17 42.4	18.9 V 704	1994 SF ₁₂	1997 04 03.28106	12 51 58.27	-03 29 44.5	18.7 V 704
1993 FU ₇	1997 04 06.41272	14 52 05.16	-11 17 21.9	704	1994 SF ₁₂	1997 04 03.39536	12 51 52.41	-03 29 09.2	704
1993 FU ₇	1997 04 07.29198	14 51 32.06	-11 14 09.4	19.6 V 704	1994 SF ₁₂	1997 04 05.25788	12 50 19.84	-03 19 39.1	16.5 V 704
1993 FU ₇	1997 04 07.39708	14 51 27.86	-11 13 46.8	704	1994 SF ₁₂	1997 04 05.35213	12 50 14.93	-03 19 09.8	704
1993 FU ₇	1997 04 08.35004	14 50 50.29	-11 10 11.6	704	1994 SF ₁₂	1997 04 06.14898	12 49 35.56	-03 15 06.5	19.3 V 704
1993 FU ₇	1997 04 08.42528	14 50 47.07	-11 09 54.0	704	1994 SF ₁₂	1997 04 06.23715	12 49 30.96	-03 14 38.8	704
1993 FN ₁₆	1997 03 04.20889	09 06 02.08	+18 16 38.5	704	1994 SF ₁₂	1997 04 07.13935	12 48 46.37	-03 10 06.7	18.7 V 704
1993 FN ₁₆	1997 03 04.31809	09 05 57.85	+18 17 03.9	704	1994 SF ₁₂	1997 04 07.21779	12 48 42.42	-03 09 41.8	704
1993 FN ₁₆	1997 03 05.15700	09 05 27.58	+18 20 12.7	704	1994 TE ₃	1997 04 03.29869	13 11 45.10	-07 10 07.2	18.6 V 704
1993 FN ₁₆	1997 03 05.30202	09 05 22.11	+18 20 44.3	704	1994 TE ₃	1997 04 03.41340	13 11 39.69	-07 09 31.9	704
1993 FN ₁₆	1997 03 06.15683	09 04 52.22	+18 23 50.7	704	1994 TE ₃	1997 04 11.17346	13 05 45.77	-06 30 08.8	18.9 V 704
1993 FN ₁₆	1997 03 06.30192	09 04 47.02	+18 24 21.7	704	1994 TE ₃	1997 04 11.23043	13 05 43.03	-06 29 51.0	704
1993 FN ₂₀	1997 03 05.17173	09 05 09.61	+14 38 15.0	704	1994 US ₁	1997 04 11.35892	15 11 40.57	-17 00 23.5	17.9 V 704
1993 FN ₂₀	1997 03 05.31651	09 05 04.22	+14 38 38.8	704	1994 US ₁	1997 04 11.41689	15 11 37.87	-17 00 32.3	704
1993 FV ₃₁	1997 04 06.32781	15 01 34.39	-11 48 20.3	18.3 V 704	1994 VC ₁	1997 04 06.32075	14 58 14.22	-18 33 42.9	19.1 V 704

1994 VC ₁	1997 04 06.41521	14 58 10.50	-18 33 36.0		704	1995 UC ₆	1997 03 05.17463	09 24 52.77	+13 30 21.0		704
1994 VC ₁	1997 04 08.35662	14 56 56.41	-18 30 40.8		704	1995 UC ₆	1997 03 05.28319	09 24 46.51	+13 30 34.8		704
1994 VC ₁	1997 04 08.43172	14 56 53.48	-18 30 33.2		704	1995 UC ₆	1997 03 06.17421	09 23 57.73	+13 32 27.0		704
1994 WQ ₁₂	1997 03 31.32933	12 49 58.50	-04 29 27.2	19.0 V	704	1995 UC ₆	1997 03 06.31955	09 23 49.56	+13 32 44.2		704
1994 WQ ₁₂	1997 03 31.41650	12 49 54.83	-04 29 02.5		704	1995 UM ₈	1997 04 06.32107	14 58 20.85	-17 19 16.1	20.1 V	704
1994 WQ ₁₂	1997 04 03.27647	12 47 55.78	-04 15 47.4	19.8 V	704	1995 UM ₈	1997 04 06.41553	14 58 16.49	-17 19 13.5		704
1994 WQ ₁₂	1997 04 03.39079	12 47 50.89	-04 15 14.0		704	1995 UM ₈	1997 04 08.35693	14 56 48.70	-17 17 51.1		704
1995 PK	1997 03 04.20889	09 06 02.30	+18 34 50.7		704	1995 UM ₈	1997 04 08.41789	14 56 45.72	-17 17 48.2		704
1995 PK	1997 03 04.31809	09 05 57.62	+18 35 20.7		704	1995 UB ₄₅	1997 03 31.33198	12 53 00.17	-10 38 39.6	18.1 V	704
1995 PK	1997 03 06.15321	09 04 46.00	+18 43 28.5		704	1995 UB ₄₅	1997 03 31.41940	12 52 54.79	-10 38 06.6		704
1995 SG	1997 03 10.27921	09 59 42.32	+10 03 17.1	19.1 V	704	1995 UB ₄₅	1997 04 03.27898	12 50 04.78	-10 20 07.0	18.0 V	704
1995 SG	1997 03 10.35900	09 59 38.65	+10 03 37.7		704	1995 UB ₄₅	1997 04 03.39331	12 49 57.69	-10 19 23.0		704
1995 SG	1997 03 11.29509	09 58 57.41	+10 07 49.5		704	1995 UB ₄₅	1997 04 05.22413	12 48 08.70	-10 07 33.1	18.5 V	704
1995 SG	1997 03 11.37148	09 58 53.94	+10 08 10.0		704	1995 UB ₄₅	1997 04 05.34970	12 48 01.05	-10 06 43.6		704
1995 SG	1997 03 12.23584	09 58 16.98	+10 11 57.3	19.5 V	704	1995 UB ₄₅	1997 04 06.14655	12 47 14.03	-10 01 28.7	18.1 V	704
1995 SG	1997 03 12.33769	09 58 12.41	+10 12 24.0		704	1995 UB ₄₅	1997 04 06.21342	12 47 09.87	-10 01 02.5		704
1995 SP	1997 03 31.34046	12 58 25.16	-06 23 50.5	18.9 V	704	1995 VQ ₁₂	1997 03 31.33054	12 50 38.52	-07 33 27.3	18.6 V	704
1995 SP	1997 03 31.42785	12 58 19.30	-06 23 35.1		704	1995 VQ ₁₂	1997 03 31.41795	12 50 33.66	-07 32 42.1		704
1995 SP	1997 04 03.28231	12 55 17.08	-06 14 46.7	18.8 V	704	1995 VQ ₁₂	1997 04 03.27568	12 47 56.65	-07 06 46.9	18.9 V	704
1995 SP	1997 04 03.39661	12 55 09.53	-06 14 25.6		704	1995 VQ ₁₂	1997 04 03.39000	12 47 50.12	-07 05 44.6		704
1995 SP	1997 04 05.23004	12 53 12.52	-06 08 41.5	18.6 V	704	1995 WX ₄	1997 04 11.18353	13 14 18.91	-10 39 31.2	19.1 V	704
1995 SP	1997 04 05.35560	12 53 04.27	-06 08 19.4		704	1995 WX ₄	1997 04 11.24031	13 14 15.69	-10 39 08.8		704
1995 SP	1997 04 07.14044	12 51 10.93	-06 02 43.7	18.9 V	704	1995 WT ₅	1997 04 02.41983	14 54 49.13	-17 12 41.8	18.8 V	704
1995 SP	1997 04 07.21888	12 51 05.82	-06 02 29.2		704	1995 WT ₅	1997 04 02.46150	14 54 47.53	-17 12 42.6		704
1995 SC ₂	1997 03 31.16301	08 40 08.27	+16 18 38.7	18.0 V	704	1995 WT ₅	1997 04 06.31667	14 52 23.03	-17 12 38.7	18.4 V	704
1995 SC ₂	1997 03 31.22819	08 40 09.31	+16 18 45.7		704	1995 WT ₅	1997 04 06.41113	14 52 18.92	-17 12 36.8		704
1995 SC ₂	1997 04 01.19142	08 40 25.97	+16 20 32.5	17.8 V	704	1995 WT ₅	1997 04 07.29371	14 51 42.37	-17 12 20.8	18.5 V	704
1995 SC ₂	1997 04 01.25574	08 40 27.21	+16 20 38.7		704	1995 WT ₅	1997 04 07.39898	14 51 37.66	-17 12 19.6		704
1995 SL ₂	1997 03 31.15334	08 47 19.66	+13 51 05.2	17.7 V	704	1995 WT ₅	1997 04 08.35175	14 50 56.30	-17 11 55.5	18.4 V	704
1995 SL ₂	1997 03 31.24051	08 47 20.74	+13 51 28.1		704	1995 WT ₅	1997 04 08.42685	14 50 52.80	-17 11 53.8		704
1995 TB	1997 04 11.17491	13 06 53.65	-09 42 06.4	19.4 V	704	1995 WH ₇	1997 04 06.33329	15 09 39.53	-12 59 06.6	19.3 V	704
1995 TB	1997 04 11.17507	13 06 53.62	-09 42 07.6	19.1 V	704	1995 WH ₇	1997 04 06.42789	15 09 35.95	-12 58 45.5		704
1995 TB	1997 04 11.23184	13 06 50.05	-09 41 51.1		704	1995 WH ₇	1997 04 11.35558	15 06 19.96	-12 38 50.4	19.3 V	704
1995 TB	1997 04 11.23200	13 06 50.00	-09 41 52.2		704	1995 WH ₇	1997 04 11.41355	15 06 17.34	-12 38 35.7		704
1995 UO ₂	1997 04 03.30119	13 14 50.63	-06 44 11.8	19.3 V	704	1995 XB ₂	1997 03 31.13644	08 34 55.62	+21 35 29.1	18.5 V	704
1995 UO ₂	1997 04 03.41583	13 14 43.08	-06 43 51.4		704	1995 XB ₂	1997 03 31.22361	08 34 56.99	+21 35 17.0		704
1995 UO ₂	1997 04 11.17599	13 06 23.20	-06 19 35.3	18.6 V	704	1995 XB ₂	1997 04 01.18803	08 35 14.81	+21 33 04.3	18.7 V	704
1995 UO ₂	1997 04 11.23278	13 06 19.41	-06 19 25.0		704	1995 XB ₂	1997 04 01.25235	08 35 16.06	+21 32 53.5		704
1995 UR ₂	1997 03 12.21954	09 54 42.29	+06 30 45.9	18.5 V	704	1995 XP ₂	1997 03 31.34408	12 59 16.47	-07 29 48.3	18.2 V	704
1995 UR ₂	1997 03 12.32140	09 54 37.94	+06 31 10.8		704	1995 XP ₂	1997 03 31.43147	12 59 11.22	-07 29 13.4		704
1995 UR ₃	1997 03 31.34625	12 53 27.11	-11 17 28.3	18.0 V	704	1995 XP ₂	1997 04 05.23248	12 54 35.96	-06 56 32.6	18.3 V	704
1995 UR ₃	1997 03 31.43364	12 53 22.14	-11 16 49.1		704	1995 XP ₂	1997 04 05.35804	12 54 28.47	-06 55 40.8		704
1995 UR ₃	1997 04 05.22395	12 48 58.46	-10 39 19.4	18.4 V	704	1995 XP ₂	1997 04 06.15228	12 53 43.15	-06 50 11.5	18.2 V	704
1995 UR ₃	1997 04 05.34952	12 48 51.25	-10 38 18.7		704	1995 XP ₂	1997 04 06.21933	12 53 39.20	-06 49 45.6		704
1995 UR ₃	1997 04 06.14637	12 48 07.69	-10 31 53.9	18.2 V	704	1995 XP ₂	1997 04 07.14278	12 52 46.38	-06 43 25.8	18.3 V	704
1995 UR ₃	1997 04 06.21325	12 48 04.05	-10 31 22.3		704	1995 XP ₂	1997 04 07.22123	12 52 41.73	-06 42 52.2		704
1995 UR ₃	1997 04 07.13744	12 47 13.56	-10 23 53.7	17.9 V	704	1995 YZ ₁	1997 04 03.28688	12 59 17.89	-07 04 12.7	19.2 V	704
1995 UR ₃	1997 04 07.21577	12 47 09.11	-10 23 15.9		704	1995 YZ ₁	1997 04 03.40124	12 59 11.91	-07 03 49.8		704
1995 UY ₃	1997 04 03.29822	13 12 53.86	-08 53 16.8	18.7 V	704	1995 YZ ₁	1997 04 05.23473	12 57 38.07	-06 57 47.5	18.1 V	704
1995 UY ₃	1997 04 03.41292	13 12 47.28	-08 52 35.0		704	1995 YZ ₁	1997 04 05.36029	12 57 31.47	-06 57 23.2		704
1995 UY ₃	1997 04 11.17395	13 05 40.29	-08 04 12.1	18.4 V	704	1995 YZ ₁	1997 04 06.17982	12 56 49.67	-06 54 40.2	19.4 V	704
1995 UY ₃	1997 04 11.23090	13 05 37.12	-08 03 51.5		704	1995 YZ ₁	1997 04 06.24535	12 56 46.18	-06 54 26.4		704

1995 YZ ₁	1997 04 07.14513	12 56 00.33	-06 51 28.4	18.4 V	704	1997 AZ ₁₇	1997 03 04.19393	09 09 10.02	+22 01 58.2	704
1995 YZ ₁	1997 04 07.22357	12 55 56.27	-06 51 12.5		704	1997 AZ ₁₇	1997 03 04.33954	09 09 04.20	+22 02 03.7	704
1995 YP ₃	1997 04 02.41237	14 48 43.89	-12 27 57.4	18.4 V	704	1997 AZ ₁₇	1997 03 05.14227	09 08 36.29	+22 02 42.4	704
1995 YP ₃	1997 04 02.45403	14 48 42.38	-12 27 48.9		704	1997 AZ ₁₇	1997 03 05.28729	09 08 30.89	+22 02 47.9	704
1996 AJ	1997 03 31.33924	12 58 14.62	-09 12 42.7	18.1 V	704	1997 AZ ₁₇	1997 03 06.14210	09 08 02.62	+22 03 17.2	704
1996 AJ	1997 03 31.42664	12 58 09.52	-09 12 15.6		704	1997 AZ ₁₇	1997 03 06.28719	09 07 57.48	+22 03 21.8	704
1996 AJ	1997 04 03.28294	12 55 28.55	-08 57 06.9	18.5 V	704	1997 AB ₁₈	1997 03 04.23518	09 13 48.77	+20 44 13.5	704
1996 AJ	1997 04 03.39723	12 55 21.88	-08 56 29.8		704	1997 AB ₁₈	1997 03 04.34388	09 13 43.67	+20 44 05.4	704
1996 AJ	1997 04 05.22934	12 53 37.43	-08 46 26.6	18.3 V	704	1997 AB ₁₈	1997 03 05.14662	09 13 08.93	+20 43 06.5	704
1996 AJ	1997 04 05.35491	12 53 30.01	-08 45 44.3		704	1997 AB ₁₈	1997 03 05.29164	09 13 02.32	+20 42 56.4	704
1996 AJ	1997 04 06.15175	12 52 44.70	-08 41 17.8	17.9 V	704	1997 AB ₁₈	1997 03 06.14645	09 12 26.66	+20 41 46.6	704
1996 AJ	1997 04 06.21881	12 52 40.75	-08 40 55.6		704	1997 AB ₁₈	1997 03 06.29154	09 12 20.28	+20 41 34.8	704
1996 AO ₁	1997 04 08.37791	14 56 13.32	-13 27 34.0		704	1997 AZ ₂₁	1997 03 04.20913	09 02 03.99	+18 09 28.9	704
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1996 FG ₃	1997 03 31.15334	08 47 24.04	+13 54 50.6	19.0 V	704	1997 AZ ₂₁	1997 03 05.15724	09 01 30.49	+18 11 30.3	704
1996 FG ₃	1997 03 31.24051	08 47 20.82	+13 55 05.6		704	1997 AZ ₂₁	1997 03 05.30226	09 01 25.34	+18 11 47.2	704
1996 HB	1997 04 02.41167	14 46 42.57	-15 11 32.5	19.1 V	704	1997 AZ ₂₁	1997 03 06.15731	09 00 56.17	+18 13 31.5	704
1996 HB	1997 04 02.44292	14 46 41.56	-15 11 22.4		704	1997 AZ ₂₁	1997 03 06.30240	09 00 51.16	+18 13 49.4	704
1996 YQ ₁	1997 03 04.19393	09 07 56.48	+22 10 03.9		704	1997 BF ₁	1997 04 01.19107	08 39 07.00	+14 47 35.7	18.5 V 704
1996 YQ ₁	1997 03 04.33954	09 07 51.72	+22 10 42.3		704	1997 BF ₁	1997 04 01.23931	08 39 08.94	+14 47 25.8	704
1996 YQ ₁	1997 03 05.14227	09 07 29.24	+22 14 09.9		704	1997 BG ₁	1997 04 01.20994	08 42 40.16	+20 06 54.0	18.5 V 704
1996 YQ ₁	1997 03 05.28729	09 07 24.84	+22 14 47.0		704	1997 BG ₁	1997 04 01.25806	08 42 41.89	+20 06 57.3	704
1996 YQ ₁	1997 03 06.14210	09 07 02.26	+22 18 17.1		704	1997 BP ₁	1997 03 05.15435	09 16 10.91	+18 45 23.5	704
1996 YQ ₁	1997 03 06.28719	09 06 58.10	+22 18 51.9		704	1997 BP ₁	1997 03 05.29937	09 16 04.70	+18 45 42.9	704
1997 AK ₂	1997 04 01.18856	08 37 34.00	+20 24 06.6	18.3 V	704	1997 BP ₁	1997 03 06.15417	09 15 29.76	+18 47 18.1	704
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1997 AR ₂	1997 04 01.25306	08 36 21.46	+20 05 28.9		704	1997 BS ₁	1997 03 04.34268	09 24 26.45	+21 31 17.0	704
1997 AF ₇	1997 03 04.21009	09 05 18.89	+17 24 21.2		704	1997 BS ₁	1997 03 05.14541	09 23 57.81	+21 34 56.4	704
1997 AF ₇	1997 03 04.31930	09 05 15.44	+17 24 51.9		704	1997 BS ₁	1997 03 05.29043	09 23 52.45	+21 35 35.8	704
1997 AF ₇	1997 03 05.15821	09 04 52.94	+17 28 39.1		704	1997 BS ₁	1997 03 06.14524	09 23 22.68	+21 39 23.2	704
1997 AF ₇	1997 03 05.30323	09 04 48.60	+17 29 18.4		704	1997 BS ₁	1997 03 06.29033	09 23 17.44	+21 39 58.2	704
1997 AF ₇	1997 03 06.15804	09 04 27.18	+17 33 00.5		704	1997 BW ₁	1997 03 04.23929	09 22 40.16	+19 30 35.2	704
1997 AF ₇	1997 03 06.30313	09 04 23.22	+17 33 37.8		704	1997 BW ₁	1997 03 04.34798	09 22 35.75	+19 30 36.6	704
1997 AK ₇	1997 03 04.19996	09 00 46.72	+20 23 08.4		704	1997 BW ₁	1997 03 05.15072	09 22 05.36	+19 30 49.2	704
1997 AK ₇	1997 03 04.30918	09 00 42.29	+20 23 46.0		704	1997 BW ₁	1997 03 05.29574	09 21 59.57	+19 30 51.2	704
1997 AK ₇	1997 03 05.14807	09 00 10.55	+20 28 42.0		704	1997 BW ₁	1997 03 06.18677	09 21 26.87	+19 30 58.5	704
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1997 AK ₇	1997 03 06.14790	08 59 33.57	+20 34 25.7		704	1997 BX ₁	1997 03 06.14500	09 21 32.67	+21 50 36.1	704
1997 AK ₇	1997 03 06.29299	08 59 28.05	+20 35 14.8		704	1997 BX ₁	1997 03 06.29009	09 21 27.81	+21 50 34.9	704
1997 AN ₇	1997 03 31.13934	08 37 21.71	+15 01 24.0	17.3 V	704	1997 BY ₁	1997 03 04.20213	09 24 15.21	+20 18 19.7	704
1997 AN ₇	1997 03 31.22650	08 37 24.77	+15 01 21.9		704	1997 BY ₁	1997 03 04.34750	09 24 08.85	+20 19 11.7	704
1997 AN ₇	1997 04 01.19018	08 38 02.08	+15 00 55.3	17.8 V	704	1997 BY ₁	1997 03 05.15024	09 23 36.10	+20 23 58.4	704
1997 AN ₇	1997 04 01.25449	08 38 04.49	+15 00 53.5		704	1997 BY ₁	1997 03 05.29526	09 23 30.03	+20 24 50.2	704
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1997 AP ₁₄	1997 03 05.30733	08 58 46.88	+17 01 47.9		704	1997 BY ₁	1997 03 06.29516	09 22 50.05	+20 30 37.0	704
1997 AY ₁₇	1997 03 04.19490	09 00 42.05	+21 54 45.2		704	1997 BD ₂	1997 03 04.19875	09 11 57.52	+21 18 21.6	704
1997 AY ₁₇	1997 03 04.30437	09 00 38.60	+21 54 37.1		704	1997 BD ₂	1997 03 05.14420	09 11 21.78	+21 23 52.0	704
1997 AY ₁₇	1997 03 05.14324	09 00 15.08	+21 53 42.4		704	1997 BD ₂	1997 03 05.28922	09 11 16.04	+21 24 40.8	704
1997 AY ₁₇	1997 03 05.28826	09 00 10.71	+21 53 32.7		704	1997 BD ₂	1997 03 06.14403	09 10 45.54	+21 29 27.6	704
1997 AY ₁₇	1997 03 06.14307	08 59 48.41	+21 52 29.6		704	1997 BD ₂	1997 03 06.28912	09 10 40.07	+21 30 15.8	704
1997 AY ₁₇	1997 03 06.28816	08 59 44.41	+21 52 18.1		704	1997 BK ₂	1997 03 05.16014	09 25 18.89	+17 02 06.8	704

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1997 BK ₂	1997 03 06.19619	09 24 39.00	+17 02 22.0	704	1997 BU ₄	1997 03 06.15755	08 59 07.43	+17 41 56.5	704
1997 BK ₂	1997 03 06.30506	09 24 34.61	+17 02 22.4	704	1997 BU ₄	1997 03 06.30265	08 59 02.83	+17 42 59.3	704
1997 BL ₂	1997 03 05.16449	09 22 37.96	+16 04 39.1	704	1997 BJ ₅	1997 03 05.20867	09 01 14.87	+13 33 58.0	704
1997 BL ₂	1997 03 05.30951	09 22 32.87	+16 05 23.8	704	1997 BJ ₅	1997 03 05.31724	09 01 10.96	+13 34 02.9	704
1997 BL ₂	1997 03 06.16432	09 22 04.59	+16 09 46.5	704	1997 BJ ₅	1997 03 06.17204	09 00 41.95	+13 34 55.1	704
1997 BL ₂	1997 03 06.30965	09 21 59.62	+16 10 29.8	704	1997 BJ ₅	1997 03 06.31738	09 00 36.84	+13 35 03.3	704
1997 BM ₂	1997 03 04.21082	09 12 25.93	+17 41 51.3	704	1997 BR ₆	1997 03 05.16473	09 24 36.10	+16 12 18.0	704
1997 BM ₂	1997 03 04.32002	09 12 18.49	+17 41 07.9	704	1997 BR ₆	1997 03 05.30975	09 24 29.43	+16 12 21.1	704
1997 BM ₂	1997 03 05.15869	09 11 24.34	+17 35 32.9	704	1997 BR ₆	1997 03 06.16456	09 23 52.17	+16 12 33.9	704
1997 BM ₂	1997 03 05.30371	09 11 14.69	+17 34 34.2	704	1997 BR ₆	1997 03 06.30989	09 23 45.59	+16 12 36.7	704
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1997 BM ₂	1997 03 06.30361	09 10 11.57	+17 27 49.1	704	1997 BG ₈	1997 03 05.30733	08 59 21.51	+17 00 48.1	704
1997 BO ₂	1997 03 04.20213	09 25 11.49	+20 35 45.9	704	1997 BG ₈	1997 03 06.16214	08 58 45.02	+17 01 48.5	704
1997 BO ₂	1997 03 04.34750	09 25 04.13	+20 35 44.9	704	1997 BG ₈	1997 03 06.27101	08 58 40.08	+17 01 56.3	704
1997 BO ₂	1997 03 05.15024	09 24 26.35	+20 35 37.1	704	1997 BM ₈	1997 03 05.16763	08 59 53.65	+14 49 22.2	704
1997 BO ₂	1997 03 05.29526	09 24 19.34	+20 35 34.6	704	1997 BM ₈	1997 03 05.31241	08 59 47.01	+14 49 37.7	704
1997 BO ₂	1997 03 06.15007	09 23 40.27	+20 35 16.9	704	1997 BM ₈	1997 03 06.16721	08 59 10.74	+14 51 23.5	704
1997 BO ₂	1997 03 06.29516	09 23 33.42	+20 35 13.7	704	1997 BM ₈	1997 03 06.31255	08 59 04.43	+14 51 40.4	704
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1997 BZ ₂	1997 03 06.16480	09 22 47.40	+15 21 44.6	704	1997 BG ₉	1997 03 05.16521	09 21 05.32	+15 27 13.9	704
1997 BZ ₂	1997 03 06.31013	09 22 41.07	+15 22 28.5	704	1997 BG ₉	1997 03 05.31023	09 20 59.46	+15 27 36.1	704
1997 BA ₃	1997 03 05.16521	09 22 32.75	+15 42 43.9	704	1997 BG ₉	1997 03 06.16504	09 20 27.38	+15 29 48.3	704
1997 BA ₃	1997 03 05.31023	09 22 26.62	+15 43 02.1	704	1997 BG ₉	1997 03 06.31037	09 20 21.67	+15 30 10.1	704
1997 BA ₃	1997 03 06.16504	09 21 54.58	+15 44 37.3	704	1997 BH ₉	1997 03 05.16449	09 22 36.54	+16 09 41.7	704
1997 BA ₃	1997 03 06.31037	09 21 48.79	+15 44 52.9	704	1997 BH ₉	1997 03 05.30951	09 22 30.86	+16 10 14.1	704
1997 BC ₃	1997 03 06.18653	09 25 20.63	+19 28 41.3	704	1997 BH ₉	1997 03 06.16432	09 21 59.99	+16 13 17.7	704
1997 BC ₃	1997 03 06.29540	09 25 15.41	+19 28 37.8	704	1997 BH ₉	1997 03 06.30965	09 21 54.54	+16 13 47.8	704
1997 BF ₃	1997 03 04.20720	09 25 01.98	+18 16 39.3	704	1997 BO ₉	1997 03 05.16400	09 17 17.89	+16 11 53.4	704
1997 BF ₃	1997 03 04.35257	09 24 55.39	+18 17 22.8	704	1997 BO ₉	1997 03 05.30903	09 17 11.88	+16 12 42.0	704
1997 BF ₃	1997 03 05.15531	09 24 22.16	+18 21 20.9	704	1997 BO ₉	1997 03 06.16383	09 16 39.31	+16 17 26.6	704
1997 BF ₃	1997 03 05.30033	09 24 15.80	+18 22 03.2	704	1997 BO ₉	1997 03 06.30916	09 16 33.52	+16 18 13.0	704
1997 BF ₃	1997 03 06.15514	09 23 41.57	+18 26 06.0	704	1997 BP ₉	1997 03 06.15490	09 24 45.83	+18 41 06.0	704
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1997 BK ₃	1997 03 06.15369	09 11 19.20	+18 54 37.3	704	1997 CF ₃	1997 03 31.14538	08 41 14.15	+16 41 56.7	18.5 V 704
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1997 BU ₄	1997 03 04.20961	09 00 09.23	+17 27 46.3	704	1997 CF ₃	1997 04 01.19465	08 41 36.30	+16 43 42.6	17.7 V 704
1997 BU ₄	1997 03 04.31881	09 00 05.48	+17 28 34.1	704	1997 CF ₃	1997 04 01.25893	08 41 37.75	+16 43 49.1	704
1997 BU ₄	1997 03 05.15773	08 59 38.62	+17 34 43.5	704	1997 CK ₅	1997 03 05.16738	09 00 06.47	+15 45 09.9	704

1997 CK ₅	1997 03 05.31216	09 00 00.96	+15 45 13.6	704	1997 CT ₁₉	1997 03 06.28043	09 01 20.95	+14 19 57.4	704
1997 CK ₅	1997 03 06.16697	08 59 30.58	+15 45 24.2	704	1997 CR ₂₁	1997 03 04.20889	09 04 47.39	+18 24 10.2	704
1997 CK ₅	1997 03 06.31230	08 59 25.33	+15 45 28.6	704	1997 CR ₂₁	1997 03 04.31809	09 04 43.34	+18 24 30.4	704
1997 CL ₅	1997 03 05.15724	09 03 12.50	+18 05 23.7	704	1997 CR ₂₁	1997 03 05.15700	09 04 15.36	+18 27 07.0	704
1997 CL ₅	1997 03 05.30226	09 03 06.89	+18 05 58.3	704	1997 CR ₂₁	1997 03 05.30202	09 04 10.19	+18 27 33.3	704
1997 CL ₅	1997 03 06.15707	09 02 38.18	+18 09 08.7	704	1997 CR ₂₁	1997 03 06.15707	09 03 43.22	+18 30 03.5	704
1997 CL ₅	1997 03 06.30216	09 02 32.94	+18 09 40.8	704	1997 CR ₂₁	1997 03 06.30216	09 03 38.38	+18 30 28.5	704
1997 CW ₅	1997 03 04.19586	09 09 49.54	+21 42 33.3	704	1997 CJ ₂₂	1997 03 05.20409	09 02 04.51	+14 44 36.4	704
1997 CW ₅	1997 03 04.30533	09 09 44.90	+21 42 22.3	704	1997 CJ ₂₂	1997 03 05.31265	09 02 01.27	+14 45 04.4	704
1997 CW ₅	1997 03 05.14396	09 09 11.55	+21 40 55.6	704	1997 CJ ₂₂	1997 03 06.16745	09 01 37.31	+14 48 52.8	704
1997 CW ₅	1997 03 05.28898	09 09 05.57	+21 40 39.9	704	1997 CJ ₂₂	1997 03 06.31279	09 01 32.96	+14 49 32.1	704
1997 CW ₅	1997 03 06.14379	09 08 32.80	+21 39 05.1	704	1997 CB ₂₇	1997 04 11.18040	13 10 58.09	-06 08 31.9	17.7 V 704
1997 CW ₅	1997 03 06.28888	09 08 27.00	+21 38 48.0	704	1997 CB ₂₇	1997 04 11.23717	13 10 54.43	-06 08 32.5	704
1997 CC ₆	1997 03 05.14517	09 20 36.17	+21 28 01.9	704	1997 CK ₂₇	1997 03 04.19103	09 10 13.50	+22 41 09.5	704
1997 CC ₆	1997 03 05.29019	09 20 33.03	+21 28 46.3	704	1997 CK ₂₇	1997 03 04.30052	09 10 09.41	+22 41 33.5	704
1997 CC ₆	1997 03 06.14500	09 20 18.48	+21 33 03.0	704	1997 CK ₂₇	1997 03 05.13913	09 09 40.54	+22 44 13.1	704
1997 CC ₆	1997 03 06.29009	09 20 15.45	+21 33 46.6	704	1997 CK ₂₇	1997 03 05.28439	09 09 35.11	+22 44 40.2	704
1997 CK ₆	1997 03 04.20430	09 03 21.67	+19 46 21.6	704	1997 CK ₂₇	1997 03 06.13896	09 09 07.44	+22 47 08.1	704
1997 CK ₆	1997 03 04.34967	09 03 14.61	+19 46 12.3	704	1997 CK ₂₇	1997 03 06.28405	09 09 02.26	+22 47 34.2	704
1997 CK ₆	1997 03 05.15241	09 02 39.21	+19 45 27.9	704	1997 CW ₂₇	1997 03 05.16811	09 05 19.87	+15 17 12.5	704
1997 CK ₆	1997 03 05.29743	09 02 32.46	+19 45 19.3	704	1997 CW ₂₇	1997 03 05.31289	09 05 13.87	+15 17 35.6	704
1997 CK ₆	1997 03 06.15224	09 01 56.08	+19 44 25.7	704	1997 CX ₂₇	1997 03 05.15869	09 10 36.18	+17 22 55.6	704
1997 CK ₆	1997 03 06.29733	09 01 49.61	+19 44 17.4	704	1997 CX ₂₇	1997 03 05.30371	09 10 31.29	+17 23 29.9	704
1997 CS ₆	1997 03 04.21034	09 08 14.44	+17 48 44.1	704	1997 CX ₂₇	1997 03 06.15852	09 10 04.45	+17 26 37.9	704
1997 CS ₆	1997 03 04.31954	09 08 10.84	+17 49 09.3	704	1997 CX ₂₇	1997 03 06.30361	09 09 59.73	+17 27 09.8	704
1997 CS ₆	1997 03 05.15845	09 07 47.52	+17 52 14.2	704	1997 CY ₂₇	1997 03 05.17125	09 10 24.76	+14 01 38.1	704
1997 CS ₆	1997 03 05.30347	09 07 43.16	+17 52 46.3	704	1997 CY ₂₇	1997 03 05.31603	09 10 17.94	+14 01 24.6	704
1997 CS ₆	1997 03 06.19450	09 07 19.83	+17 55 54.3	704	1997 CL ₂₈	1997 03 05.16835	09 07 30.25	+15 12 18.9	704
1997 CS ₆	1997 03 06.30337	09 07 16.87	+17 56 17.1	704	1997 CL ₂₈	1997 03 05.31313	09 07 25.13	+15 12 51.7	704
1997 CC ₇	1997 03 04.19803	09 16 58.03	+20 41 31.2	704	1997 CM ₂₈	1997 03 05.16835	09 09 18.09	+15 00 00.8	704
1997 CC ₇	1997 03 04.34364	09 16 52.55	+20 42 11.3	704	1997 CM ₂₈	1997 03 05.31313	09 09 12.29	+15 00 34.1	704
1997 CC ₇	1997 03 05.14638	09 16 24.70	+20 45 43.5	704	1997 CM ₂₈	1997 03 06.16794	09 08 40.40	+15 03 52.6	704
1997 CC ₇	1997 03 05.29140	09 16 19.39	+20 46 21.1	704	1997 CM ₂₈	1997 03 06.31327	09 08 34.84	+15 04 26.7	704
1997 CC ₇	1997 03 06.18242	09 15 49.21	+20 50 08.7	704	1997 CP ₂₈	1997 03 05.16883	09 13 28.82	+14 42 53.5	704
1997 CC ₇	1997 03 06.29130	09 15 45.31	+20 50 35.7	704	1997 CP ₂₈	1997 03 05.31361	09 13 22.77	+14 42 52.5	704
1997 CD ₇	1997 03 04.20816	09 12 19.95	+18 24 40.1	704	1997 CP ₂₈	1997 03 06.16842	09 12 49.65	+14 42 48.5	704
1997 CD ₇	1997 03 04.35353	09 12 13.85	+18 24 46.7	704	1997 CP ₂₈	1997 03 06.31375	09 12 43.78	+14 42 47.9	704
1997 CD ₇	1997 03 05.15652	09 11 43.18	+18 25 22.2	704	1997 CT ₂₈	1997 03 05.16304	09 05 21.60	+16 38 18.4	704
1997 CD ₇	1997 03 05.30154	09 11 37.28	+18 25 27.3	704	1997 CT ₂₈	1997 03 05.30806	09 05 15.51	+16 39 02.6	704
1997 CD ₇	1997 03 06.15635	09 11 05.97	+18 25 57.3	704	1997 CU ₂₈	1997 03 05.16811	09 06 24.48	+15 03 56.4	704
1997 CD ₇	1997 03 06.30144	09 11 00.38	+18 26 02.1	704	1997 CU ₂₈	1997 03 05.31289	09 06 19.15	+15 04 10.1	704
1997 CP ₁₃	1997 03 05.16304	09 04 48.93	+16 30 08.4	704	1997 CU ₂₈	1997 03 06.16769	09 05 51.02	+15 05 36.4	704
1997 CP ₁₃	1997 03 05.30806	09 04 43.32	+16 30 25.4	704	1997 CU ₂₈	1997 03 06.31303	09 05 46.07	+15 05 50.0	704
1997 CP ₁₃	1997 03 06.16287	09 04 13.20	+16 32 03.0	704	1997 CY ₂₈	1997 03 10.25311	09 59 25.33	+10 07 14.0	17.2 V 704
1997 CP ₁₃	1997 03 06.30820	09 04 07.86	+16 32 18.9	704	1997 CY ₂₈	1997 03 10.35900	09 59 19.50	+10 07 20.8	704
1997 CW ₁₆	1997 03 04.20406	09 05 06.97	+19 50 04.5	704	1997 CY ₂₈	1997 03 11.29458	09 58 30.96	+10 08 22.8	17.9 V 704
1997 CW ₁₆	1997 03 04.31328	09 05 03.09	+19 50 55.1	704	1997 CY ₂₈	1997 03 11.39644	09 58 25.53	+10 08 30.2	704
1997 CW ₁₆	1997 03 05.15217	09 04 35.58	+19 57 24.1	704	1997 CY ₂₈	1997 03 12.23584	09 57 43.47	+10 09 23.0	17.2 V 704
1997 CW ₁₆	1997 03 05.29719	09 04 30.48	+19 58 30.1	704	1997 CY ₂₈	1997 03 12.33769	09 57 38.16	+10 09 29.0	704
1997 CT ₁₉	1997 03 05.17197	09 01 52.68	+14 16 49.5	704	1997 CP ₂₉	1997 03 05.16521	09 21 01.44	+15 38 53.1	704
1997 CT ₁₉	1997 03 05.31675	09 01 48.04	+14 17 15.0	704	1997 CP ₂₉	1997 03 05.31023	09 20 55.56	+15 39 48.2	704
1997 CT ₁₉	1997 03 06.17156	09 01 24.18	+14 19 37.9	704	1997 CP ₂₉	1997 03 06.16504	09 20 23.99	+15 45 07.8	704

1997 CP ₂₉	1997 03 06.31037	09 20 18.39	+15 46 01.9		704	1997 EZ ₃₂	1997 03 05.28488	09 16 02.22	+23 00 16.2	704
1997 EN	1997 03 31.14368	08 42 02.11	+21 18 59.0	18.3 V	704	1997 EZ ₃₂	1997 03 06.13969	09 15 26.91	+22 58 35.5	704
1997 EN	1997 03 31.23085	08 42 04.34	+21 18 50.9		704	1997 EZ ₃₂	1997 03 06.28478	09 15 20.60	+22 58 18.4	704
1997 EN	1997 04 01.19340	08 42 32.09	+21 17 40.6	18.5 V	704	1997 EA ₃₃	* 1997 03 04.19152	09 16 57.45	+22 55 59.2	704
1997 EN	1997 04 01.25771	08 42 33.73	+21 17 33.8		704	1997 EA ₃₃	1997 03 04.30100	09 16 51.83	+22 56 17.0	704
1997 EL ₁	1997 03 11.28949	10 07 53.34	+08 30 26.2		704	1997 EA ₃₃	1997 03 06.13969	09 15 28.59	+23 00 58.0	704
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1997 EL ₁	1997 03 12.23075	10 07 13.11	+08 33 46.1	19.0 V	704	1997 EB ₃₃	* 1997 03 04.19176	09 19 43.88	+22 53 14.2	704
1997 EL ₁	1997 03 12.33260	10 07 08.59	+08 34 08.8		704	1997 EB ₃₃	1997 03 04.30124	09 19 38.77	+22 53 21.6	704
1997 EA ₂	1997 03 11.29000	10 08 52.91	+09 03 49.3	19.5 V	704	1997 EB ₃₃	1997 03 06.13993	09 18 16.22	+22 54 55.1	704
1997 EA ₂	1997 03 11.39186	10 08 48.36	+09 04 18.3		704	1997 EB ₃₃	1997 03 06.28502	09 18 09.52	+22 55 01.9	704
1997 EA ₂	1997 03 12.23126	10 08 13.46	+09 08 17.5	19.2 V	704	1997 EC ₃₃	* 1997 03 04.19200	09 21 28.60	+23 00 46.6	704
1997 EA ₂	1997 03 12.33311	10 08 09.02	+09 08 50.2		704	1997 EC ₃₃	1997 03 04.30148	09 21 24.01	+23 00 50.5	704
1997 EB ₂	1997 03 11.29000	10 09 04.38	+09 17 18.9	19.3 V	704	1997 EC ₃₃	1997 03 05.14010	09 20 50.90	+23 01 20.1	704
1997 EB ₂	1997 03 11.39186	10 09 00.07	+09 17 57.8		704	1997 EC ₃₃	1997 03 05.28536	09 20 44.99	+23 01 24.6	704
1997 EB ₂	1997 03 12.25672	10 08 26.28	+09 23 40.9	19.8 V	704	1997 EC ₃₃	1997 03 06.14017	09 20 12.16	+23 01 47.6	704
1997 EB ₂	1997 03 12.33311	10 08 23.16	+09 24 10.5		704	1997 EC ₃₃	1997 03 06.28526	09 20 06.39	+23 01 50.1	704
1997 EC ₂	1997 03 11.29000	10 08 00.86	+09 08 55.2	19.3 V	704	1997 ED ₃₃	* 1997 03 04.19200	09 21 33.86	+23 06 32.7	704
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1997 EC ₂	1997 03 12.23126	10 07 12.01	+09 13 47.2	19.2 V	704	1997 ED ₃₃	1997 03 06.17615	09 19 57.89	+23 11 07.6	704
1997 EC ₂	1997 03 12.33311	10 07 06.53	+09 14 18.8		704	1997 ED ₃₃	1997 03 06.28502	09 19 52.34	+23 11 18.8	704
1997 EM ₂₅	1997 03 04.20913	09 03 31.50	+18 14 51.5		704	1997 EE ₃₃	* 1997 03 04.19297	09 18 28.02	+22 24 43.9	704
1997 EM ₂₅	1997 03 04.31833	09 03 27.71	+18 15 41.8		704	1997 EE ₃₃	1997 03 04.30244	09 18 22.74	+22 24 44.5	704
1997 EM ₂₅	1997 03 05.15724	09 03 01.20	+18 22 09.3		704	1997 EE ₃₃	1997 03 05.14131	09 17 43.92	+22 24 58.4	704
1997 EM ₂₅	1997 03 05.30226	09 02 56.45	+18 23 15.1		704	1997 EE ₃₃	1997 03 05.28633	09 17 37.09	+22 25 00.0	704
1997 EM ₂₅	1997 03 06.15707	09 02 30.65	+18 29 40.3		704	1997 EE ₃₃	1997 03 06.14138	09 16 58.88	+22 25 05.2	704
1997 EM ₂₅	1997 03 06.30216	09 02 26.10	+18 30 44.7		704	1997 EE ₃₃	1997 03 06.28647	09 16 52.18	+22 25 06.5	704
1997 EP ₂₅	1997 03 04.21251	09 19 10.85	+17 17 36.2		704	1997 EF ₃₃	* 1997 03 04.19345	09 13 42.88	+22 27 09.0	704
1997 EP ₂₅	1997 03 04.32170	09 19 05.94	+17 17 45.3		704	1997 EF ₃₃	1997 03 04.30292	09 13 37.31	+22 27 34.3	704
1997 EP ₂₅	1997 03 05.16062	09 18 31.20	+17 18 53.9		704	1997 EF ₃₃	1997 03 05.14179	09 12 56.79	+22 30 41.0	704
1997 EP ₂₅	1997 03 05.30565	09 18 24.93	+17 19 04.5		704	1997 EF ₃₃	1997 03 05.28681	09 12 49.77	+22 31 13.2	704
1997 EW ₃₂	* 1997 03 04.19055	09 05 44.26	+23 12 25.4		704	1997 EF ₃₃	1997 03 06.17784	09 12 08.11	+22 34 20.2	704
1997 EW ₃₂	1997 03 04.33616	09 05 37.75	+23 12 22.0		704	1997 EF ₃₃	1997 03 06.28671	09 12 02.72	+22 34 43.5	704
1997 EW ₃₂	1997 03 05.13865	09 05 03.13	+23 12 08.7		704	1997 EG ₃₃	* 1997 03 04.19369	09 11 09.43	+22 34 02.7	704
1997 EW ₃₂	1997 03 05.28391	09 04 56.67	+23 12 04.3		704	1997 EG ₃₃	1997 03 04.30316	09 11 04.06	+22 34 37.1	704
1997 EW ₃₂	1997 03 06.13872	09 04 20.73	+23 11 43.4		704	1997 EG ₃₃	1997 03 06.17542	09 09 39.82	+22 44 04.6	704
1997 EW ₃₂	1997 03 06.28381	09 04 14.53	+23 11 39.9		704	1997 EG ₃₃	1997 03 06.28429	09 09 34.78	+22 44 36.9	704
1997 EX ₃₂	* 1997 03 04.19128	09 13 44.39	+23 01 15.5		704	1997 EH ₃₃	* 1997 03 04.19393	09 08 14.74	+22 09 18.0	704
1997 EX ₃₂	1997 03 04.33689	09 13 39.33	+23 02 05.0		704	1997 EH ₃₃	1997 03 04.30340	09 08 08.61	+22 09 47.3	704
1997 EX ₃₂	1997 03 05.13938	09 13 13.18	+23 06 31.2		704	1997 EH ₃₃	1997 03 05.14227	09 07 29.19	+22 13 01.9	704
1997 EX ₃₂	1997 03 05.28464	09 13 08.22	+23 07 18.9		704	1997 EH ₃₃	1997 03 05.28729	09 07 22.30	+22 13 35.6	704
1997 EX ₃₂	1997 03 06.13945	09 12 41.29	+23 11 54.1		704	1997 EH ₃₃	1997 03 06.17856	09 06 41.75	+22 16 54.0	704
1997 EX ₃₂	1997 03 06.28453	09 12 36.55	+23 12 40.7		704	1997 EH ₃₃	1997 03 06.28743	09 06 36.58	+22 17 17.5	704
1997 EY ₃₂	* 1997 03 04.19152	09 15 34.34	+23 00 43.1		704	1997 EJ ₃₃	* 1997 03 04.19441	09 01 44.58	+22 37 10.5	704
1997 EY ₃₂	1997 03 04.33713	09 15 27.20	+23 00 26.9		704	1997 EJ ₃₃	1997 03 04.30389	09 01 40.25	+22 37 07.5	704
1997 EY ₃₂	1997 03 05.13962	09 14 50.39	+22 58 51.2		704	1997 EJ ₃₃	1997 03 05.14300	09 01 10.92	+22 36 42.0	704
1997 EY ₃₂	1997 03 05.28488	09 14 43.58	+22 58 34.5		704	1997 EJ ₃₃	1997 03 05.28802	09 01 05.48	+22 36 37.9	704
1997 EY ₃₂	1997 03 06.13945	09 14 05.45	+22 56 45.8		704	1997 EJ ₃₃	1997 03 06.14283	09 00 37.31	+22 36 03.7	704
1997 EY ₃₂	1997 03 06.28453	09 13 58.65	+22 56 25.6		704	1997 EJ ₃₃	1997 03 06.28792	09 00 32.22	+22 35 56.9	704
1997 EZ ₃₂	* 1997 03 04.19152	09 16 50.23	+23 02 13.4		704	1997 EK ₃₃	* 1997 03 04.19441	09 02 06.12	+22 33 24.9	704
1997 EZ ₃₂	1997 03 04.30100	09 16 45.04	+23 02 01.4		704	1997 EK ₃₃	1997 03 04.30389	09 02 02.47	+22 33 30.8	704
1997 EZ ₃₂	1997 03 05.13962	09 16 08.91	+23 00 32.9		704	1997 EK ₃₃	1997 03 05.14276	09 01 38.14	+22 34 14.9	704

1997 EK ₃₃	1997 03 05.28777	09 01 33.37	+22 34 23.5	704	1997 ET ₃₃	1997 03 05.28995	09 18 55.86	+21 37 01.2	704
1997 EK ₃₃	1997 03 06.14283	09 01 10.56	+22 34 59.4	704	1997 ET ₃₃	1997 03 06.14476	09 18 19.94	+21 39 50.2	704
1997 EK ₃₃	1997 03 06.28792	09 01 06.36	+22 35 03.9	704	1997 ET ₃₃	1997 03 06.28985	09 18 13.65	+21 40 19.3	704
1997 EL ₃₃	* 1997 03 04.19538	09 06 01.70	+21 51 23.6	704	1997 EU ₃₃	* 1997 03 04.19682	09 20 51.68	+21 32 20.3	704
1997 EL ₃₃	1997 03 04.30485	09 05 57.66	+21 51 33.8	704	1997 EU ₃₃	1997 03 04.30629	09 20 46.29	+21 32 36.8	704
1997 EL ₃₃	1997 03 05.14372	09 05 31.24	+21 52 56.7	704	1997 EU ₃₃	1997 03 06.14476	09 19 20.04	+21 37 29.7	704
1997 EL ₃₃	1997 03 05.28874	09 05 26.27	+21 53 10.1	704	1997 EU ₃₃	1997 03 06.28985	09 19 13.40	+21 37 50.7	704
1997 EL ₃₃	1997 03 06.14355	09 05 00.86	+21 54 23.4	704	1997 EV ₃₃	* 1997 03 04.19682	09 21 11.93	+21 26 26.5	704
1997 EL ₃₃	1997 03 06.28864	09 04 56.26	+21 54 35.8	704	1997 EV ₃₃	1997 03 04.30629	09 21 05.79	+21 26 24.9	704
1997 EM ₃₃	* 1997 03 04.19538	09 06 14.13	+21 44 13.9	704	1997 EV ₃₃	1997 03 05.14517	09 20 21.47	+21 26 18.5	704
1997 EM ₃₃	1997 03 04.30485	09 06 10.28	+21 44 36.7	704	1997 EV ₃₃	1997 03 05.29019	09 20 13.56	+21 26 15.9	704
1997 EM ₃₃	1997 03 05.14372	09 05 42.99	+21 47 30.3	704	1997 EV ₃₃	1997 03 06.14476	09 19 30.00	+21 25 58.9	704
1997 EM ₃₃	1997 03 05.28874	09 05 38.12	+21 47 58.4	704	1997 EV ₃₃	1997 03 06.28985	09 19 22.22	+21 25 55.6	704
1997 EM ₃₃	1997 03 06.14355	09 05 11.37	+21 50 46.6	704	1997 EW ₃₃	* 1997 03 04.19755	09 21 03.91	+20 55 54.7	704
1997 EM ₃₃	1997 03 06.28864	09 05 06.70	+21 51 15.6	704	1997 EW ₃₃	1997 03 04.30702	09 20 58.68	+20 56 18.9	704
1997 EN ₃₃	* 1997 03 04.19586	09 09 28.23	+21 55 48.1	704	1997 EW ₃₃	1997 03 05.14590	09 20 21.63	+20 59 17.8	704
1997 EN ₃₃	1997 03 04.34147	09 09 22.39	+21 56 16.4	704	1997 EW ₃₃	1997 03 05.29091	09 20 14.90	+20 59 49.4	704
1997 EN ₃₃	1997 03 06.14210	09 08 17.49	+22 01 45.7	704	1997 EX ₃₃	* 1997 03 04.19803	09 16 36.85	+21 11 42.0	704
1997 EN ₃₃	1997 03 06.28719	09 08 12.07	+22 02 11.0	704	1997 EX ₃₃	1997 03 04.34364	09 16 30.50	+21 11 55.6	704
1997 EO ₃₃	* 1997 03 04.19586	09 10 21.02	+21 30 40.2	704	1997 EX ₃₃	1997 03 05.18284	09 15 57.40	+21 13 07.6	704
1997 EO ₃₃	1997 03 04.30533	09 10 16.35	+21 30 51.1	704	1997 EX ₃₃	1997 03 05.29140	09 15 52.95	+21 13 16.9	704
1997 EO ₃₃	1997 03 05.14420	09 09 42.08	+21 32 21.6	704	1997 EX ₃₃	1997 03 06.18242	09 15 19.06	+21 14 25.5	704
1997 EO ₃₃	1997 03 05.28922	09 09 35.91	+21 32 36.8	704	1997 EX ₃₃	1997 03 06.29130	09 15 14.80	+21 14 33.9	704
1997 EO ₃₃	1997 03 06.14379	09 09 02.63	+21 34 01.4	704	1997 EY ₃₃	* 1997 03 04.19827	09 13 58.35	+20 59 51.8	704
1997 EO ₃₃	1997 03 06.25266	09 08 57.78	+21 34 10.1	704	1997 EY ₃₃	1997 03 04.30774	09 13 53.49	+21 00 06.0	704
1997 EP ₃₃	* 1997 03 04.19586	09 11 46.04	+21 52 14.9	704	1997 EY ₃₃	1997 03 05.14662	09 13 18.19	+21 02 11.1	704
1997 EP ₃₃	1997 03 04.34147	09 11 40.31	+21 53 59.3	704	1997 EY ₃₃	1997 03 05.29164	09 13 11.91	+21 02 32.2	704
1997 EP ₃₃	1997 03 05.14203	09 11 11.44	+22 03 29.5	704	1997 EY ₃₃	1997 03 06.14645	09 12 36.90	+21 04 30.0	704
1997 EP ₃₃	1997 03 05.28705	09 11 05.95	+22 05 11.6	704	1997 EY ₃₃	1997 03 06.29154	09 12 30.81	+21 04 49.5	704
1997 EP ₃₃	1997 03 06.14186	09 10 36.24	+22 15 08.6	704	1997 EZ ₃₃	* 1997 03 04.19875	09 10 52.91	+20 49 36.5	704
1997 EP ₃₃	1997 03 06.28695	09 10 30.93	+22 16 48.6	704	1997 EZ ₃₃	1997 03 04.30798	09 10 49.29	+20 50 06.0	704
1997 EQ ₃₃	* 1997 03 04.19610	09 13 57.54	+21 49 22.5	704	1997 EZ ₃₃	1997 03 06.14669	09 09 50.00	+20 58 21.8	704
1997 EQ ₃₃	1997 03 04.30557	09 13 51.89	+21 49 48.7	704	1997 EZ ₃₃	1997 03 06.29178	09 09 45.35	+20 59 00.2	704
1997 EQ ₃₃	1997 03 05.14445	09 13 10.95	+21 53 05.9	704	1997 EA ₃₄	* 1997 03 04.19900	09 08 12.72	+20 56 21.8	704
1997 EQ ₃₃	1997 03 05.28947	09 13 03.64	+21 53 39.1	704	1997 EA ₃₄	1997 03 04.30822	09 08 08.70	+20 56 36.0	704
1997 EQ ₃₃	1997 03 06.14427	09 12 23.11	+21 56 50.4	704	1997 EA ₃₄	1997 03 05.14710	09 07 40.03	+20 58 26.1	704
1997 EQ ₃₃	1997 03 06.28936	09 12 16.03	+21 57 23.9	704	1997 EA ₃₄	1997 03 05.29212	09 07 34.71	+20 58 44.0	704
1997 ER ₃₃	* 1997 03 04.19634	09 16 57.74	+21 39 31.1	704	1997 EA ₃₄	1997 03 06.14693	09 07 06.92	+21 00 26.1	704
1997 ER ₃₃	1997 03 04.30581	09 16 53.62	+21 39 43.4	704	1997 EA ₃₄	1997 03 06.29202	09 07 01.89	+21 00 43.7	704
1997 ER ₃₃	1997 03 05.14469	09 16 25.12	+21 41 21.9	704	1997 EB ₃₄	* 1997 03 04.20020	09 02 05.39	+20 14 57.6	704
1997 ER ₃₃	1997 03 05.28971	09 16 19.94	+21 41 38.9	704	1997 EB ₃₄	1997 03 04.34557	09 02 00.70	+20 15 08.7	704
1997 ER ₃₃	1997 03 06.14452	09 15 52.43	+21 43 09.1	704	1997 EB ₃₄	1997 03 06.14790	09 01 09.27	+20 17 30.1	704
1997 ER ₃₃	1997 03 06.28961	09 15 47.47	+21 43 23.2	704	1997 EB ₃₄	1997 03 06.29299	09 01 05.07	+20 17 39.7	704
1997 ES ₃₃	* 1997 03 04.19658	09 18 43.71	+21 42 26.5	704	1997 EC ₃₄	* 1997 03 04.20069	09 07 32.13	+20 05 37.7	704
1997 ES ₃₃	1997 03 04.30605	09 18 39.53	+21 42 38.1	704	1997 EC ₃₄	1997 03 04.34605	09 07 24.45	+20 05 50.1	704
1997 ES ₃₃	1997 03 05.14493	09 18 09.46	+21 43 56.6	704	1997 EC ₃₄	1997 03 05.14879	09 06 44.89	+20 07 00.9	704
1997 ES ₃₃	1997 03 05.28995	09 18 04.14	+21 44 09.1	704	1997 EC ₃₄	1997 03 05.29381	09 06 37.64	+20 07 13.0	704
1997 ES ₃₃	1997 03 06.14476	09 17 34.49	+21 45 20.0	704	1997 EC ₃₄	1997 03 06.14838	09 05 56.62	+20 08 19.8	704
1997 ES ₃₃	1997 03 06.28985	09 17 29.24	+21 45 33.3	704	1997 EC ₃₄	1997 03 06.29347	09 05 49.39	+20 08 30.5	704
1997 ET ₃₃	* 1997 03 04.19658	09 19 44.21	+21 33 12.4	704	1997 ED ₃₄	* 1997 03 04.20069	09 07 43.80	+20 25 13.0	704
1997 ET ₃₃	1997 03 04.30605	09 19 39.04	+21 33 34.9	704	1997 ED ₃₄	1997 03 04.30991	09 07 40.07	+20 25 39.6	704
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1997 EE ₃₄	* 1997 03 04.20069	09 09 06.04	+20 36 22.7	704	1997 EN ₃₄	1997 03 05.15097	09 18 03.95	+19 46 15.7	704
1997 EE ₃₄	1997 03 04.34605	09 09 00.91	+20 37 55.2	704	1997 EN ₃₄	1997 03 05.29598	09 17 58.67	+19 46 48.8	704
1997 EE ₃₄	1997 03 05.14710	09 08 35.38	+20 46 24.4	704	1997 EN ₃₄	1997 03 06.15079	09 17 28.73	+19 49 57.1	704
1997 EE ₃₄	1997 03 05.29212	09 08 30.51	+20 47 54.7	704	1997 EN ₃₄	1997 03 06.29588	09 17 23.58	+19 50 29.4	704
1997 EE ₃₄	1997 03 06.14693	09 08 04.34	+20 56 46.0	704	1997 EO ₃₄	* 1997 03 04.20286	09 19 33.21	+19 50 57.9	704
1997 EE ₃₄	1997 03 06.29202	09 07 59.66	+20 58 15.3	704	1997 EO ₃₄	1997 03 04.31207	09 19 27.62	+19 51 08.6	704
1997 EF ₃₄	* 1997 03 04.20093	09 11 38.92	+20 12 43.8	704	1997 EO ₃₄	1997 03 05.15097	09 18 47.04	+19 52 30.1	704
1997 EF ₃₄	1997 03 04.34630	09 11 32.87	+20 12 41.5	704	1997 EO ₃₄	1997 03 05.29598	09 18 39.76	+19 52 43.4	704
1997 EF ₃₄	1997 03 05.14903	09 11 01.08	+20 12 31.3	704	1997 EO ₃₄	1997 03 06.15079	09 17 59.86	+19 53 57.5	704
1997 EF ₃₄	1997 03 05.29405	09 10 55.13	+20 12 29.1	704	1997 EO ₃₄	1997 03 06.29588	09 17 52.74	+19 54 09.5	704
1997 EF ₃₄	1997 03 06.14886	09 10 22.25	+20 12 14.3	704	1997 EP ₃₄	* 1997 03 04.20310	09 17 17.50	+19 42 27.0	704
1997 EF ₃₄	1997 03 06.29395	09 10 16.46	+20 12 11.2	704	1997 EP ₃₄	1997 03 04.34847	09 17 12.16	+19 43 03.7	704
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1997 EG ₃₄	1997 03 04.31063	09 15 08.96	+20 30 44.8	704	1997 EP ₃₄	1997 03 05.29623	09 16 40.26	+19 46 55.8	704
1997 EG ₃₄	1997 03 05.14928	09 14 41.00	+20 33 24.4	704	1997 EP ₃₄	1997 03 06.15104	09 16 12.97	+19 50 16.9	704
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1997 EG ₃₄	1997 03 06.29419	09 14 03.77	+20 36 52.5	704	1997 EQ ₃₄	1997 03 04.31255	09 12 28.00	+19 32 22.8	704
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1997 EH ₃₄	1997 03 04.31063	09 16 34.07	+20 14 17.7	704	1997 EQ ₃₄	1997 03 05.29671	09 11 51.55	+19 35 05.8	704
1997 EH ₃₄	1997 03 05.14952	09 16 00.53	+20 15 27.4	704	1997 EQ ₃₄	1997 03 06.15152	09 11 21.09	+19 37 22.7	704
1997 EH ₃₄	1997 03 05.29454	09 15 54.68	+20 15 37.7	704	1997 EQ ₃₄	1997 03 06.29661	09 11 15.78	+19 37 45.3	704
1997 EH ₃₄	1997 03 06.14934	09 15 21.72	+20 16 41.7	704	1997 ER ₃₄	* 1997 03 04.20382	09 07 11.47	+19 21 53.6	704
1997 EH ₃₄	1997 03 06.29444	09 15 15.87	+20 16 51.6	704	1997 ER ₃₄	1997 03 04.31303	09 07 07.22	+19 21 50.9	704
1997 EJ ₃₄	* 1997 03 04.20165	09 17 31.37	+20 19 33.6	704	1997 ER ₃₄	1997 03 05.15217	09 06 37.31	+19 21 28.8	704
1997 EJ ₃₄	1997 03 04.34702	09 17 25.02	+20 19 46.6	704	1997 ER ₃₄	1997 03 05.29719	09 06 31.97	+19 21 25.6	704
1997 EJ ₃₄	1997 03 05.14952	09 16 52.71	+20 21 14.0	704	1997 ER ₃₄	1997 03 06.15200	09 06 03.40	+19 20 59.8	704
1997 EJ ₃₄	1997 03 05.29454	09 16 46.81	+20 21 28.7	704	1997 ER ₃₄	1997 03 06.29709	09 05 58.09	+19 20 52.1	704
1997 EJ ₃₄	1997 03 06.14934	09 16 13.22	+20 22 52.2	704	1997 ES ₃₄	* 1997 03 04.20382	09 08 00.34	+19 21 01.8	704
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1997 EK ₃₄	1997 03 04.34774	09 23 13.86	+19 41 29.0	704	1997 ES ₃₄	1997 03 05.29695	09 07 20.05	+19 24 10.8	704
1997 EK ₃₄	1997 03 05.15048	09 22 43.07	+19 46 53.0	704	1997 ES ₃₄	1997 03 06.18798	09 06 48.89	+19 26 35.4	704
1997 EK ₃₄	1997 03 05.18718	09 22 41.59	+19 47 06.9	704	1997 ES ₃₄	1997 03 06.29685	09 06 45.03	+19 26 51.4	704
1997 EK ₃₄	1997 03 05.25929	09 22 38.91	+19 47 34.2	704	1997 ET ₃₄	* 1997 03 04.20430	09 01 43.57	+19 28 33.0	704
1997 EK ₃₄	1997 03 05.29574	09 22 37.28	+19 47 49.7	704	1997 ET ₃₄	1997 03 04.31352	09 01 39.38	+19 28 52.3	704
1997 EK ₃₄	1997 03 06.15055	09 22 05.45	+19 53 27.2	704	1997 ET ₃₄	1997 03 06.18870	09 00 34.25	+19 34 05.0	704
1997 EK ₃₄	1997 03 06.29564	09 21 59.86	+19 54 23.5	704	1997 ET ₃₄	1997 03 06.29757	09 00 30.36	+19 34 21.9	704
1997 EL ₃₄	* 1997 03 04.20237	09 25 21.20	+19 40 25.6	704	1997 EU ₃₄	* 1997 03 04.20430	09 03 05.15	+19 28 03.0	704
1997 EL ₃₄	1997 03 04.31159	09 25 16.52	+19 40 30.6	704	1997 EU ₃₄	1997 03 04.31352	09 03 01.24	+19 28 11.7	704
1997 EL ₃₄	1997 03 05.15048	09 24 44.20	+19 41 13.3	704	1997 EU ₃₄	1997 03 06.18846	09 01 56.31	+19 31 05.7	704
1997 EL ₃₄	1997 03 05.29550	09 24 38.34	+19 41 20.6	704	1997 EU ₃₄	1997 03 06.29733	09 01 52.24	+19 31 17.3	704
1997 EL ₃₄	1997 03 06.15031	09 24 07.01	+19 41 54.6	704	1997 EV ₃₄	* 1997 03 04.20479	09 00 48.06	+19 01 51.4	704
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1997 EM ₃₄	* 1997 03 04.20262	09 20 43.32	+19 45 51.5	704	1997 EV ₃₄	1997 03 05.15290	09 00 21.67	+19 05 21.5	704
1997 EM ₃₄	1997 03 04.34798	09 20 35.59	+19 46 23.2	704	1997 EV ₃₄	1997 03 05.29792	09 00 17.25	+19 05 50.8	704
1997 EM ₃₄	1997 03 05.15097	09 19 55.53	+19 49 16.3	704	1997 EV ₃₄	1997 03 06.15272	08 59 55.56	+19 08 51.3	704
1997 EM ₃₄	1997 03 05.29598	09 19 47.86	+19 49 44.9	704	1997 EV ₃₄	1997 03 06.29781	08 59 51.57	+19 09 20.7	704
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1997 EM ₃₄	1997 03 06.29588	09 18 58.80	+19 53 14.5	704	1997 EW ₃₄	1997 03 04.35112	09 11 30.98	+18 45 40.0	704
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1997 EW ₃₄	1997 03 06.15369	09 10 28.84	+18 51 58.2	704	1997 EG ₃₅	* 1997 03 04.20792	09 16 39.54	+18 04 57.3	704
1997 EW ₃₄	1997 03 06.29878	09 10 23.70	+18 52 25.3	704	1997 EG ₃₅	1997 03 04.35329	09 16 33.01	+18 05 28.2	704
1997 EX ₃₄	* 1997 03 04.20575	09 11 50.82	+19 07 30.2	704	1997 EG ₃₅	1997 03 05.15603	09 16 00.80	+18 08 25.3	704
1997 EX ₃₄	1997 03 04.35112	09 11 45.94	+19 07 45.3	704	1997 EG ₃₅	1997 03 05.30106	09 15 54.55	+18 08 56.6	704
1997 EX ₃₄	1997 03 05.15386	09 11 20.63	+19 09 23.1	704	1997 EG ₃₅	1997 03 06.15586	09 15 21.71	+18 11 54.3	704
1997 EX ₃₄	1997 03 05.29888	09 11 15.95	+19 09 38.9	704	1997 EG ₃₅	1997 03 06.30095	09 15 15.70	+18 12 24.8	704
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1997 EY ₃₄	1997 03 04.31520	09 12 19.48	+18 48 04.0	704	1997 EH ₃₅	1997 03 05.30130	09 12 20.49	+18 38 30.6	704
1997 EY ₃₄	1997 03 05.15386	09 11 49.54	+18 50 29.3	704	1997 EJ ₃₅	* 1997 03 04.20816	09 13 21.10	+18 12 10.9	704
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1997 EY ₃₄	1997 03 06.15369	09 11 14.64	+18 53 16.8	704	1997 EJ ₃₅	1997 03 05.15628	09 12 35.73	+18 12 24.5	704
1997 EY ₃₄	1997 03 06.29878	09 11 09.44	+18 53 39.7	704	1997 EJ ₃₅	1997 03 05.30130	09 12 28.57	+18 12 27.4	704
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1997 EZ ₃₄	1997 03 04.35184	09 19 33.51	+19 00 01.0	704	1997 EJ ₃₅	1997 03 06.30144	09 11 42.36	+18 12 34.4	704
1997 EZ ₃₄	1997 03 05.15459	09 18 54.64	+19 03 41.1	704	1997 EK ₃₅	* 1997 03 04.20889	09 04 46.32	+18 09 17.7	704
1997 EZ ₃₄	1997 03 05.29961	09 18 47.39	+19 04 20.2	704	1997 EK ₃₅	1997 03 04.31809	09 04 41.32	+18 09 46.9	704
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1997 EZ ₃₄	1997 03 06.29951	09 17 59.95	+19 08 41.7	704	1997 EK ₃₅	1997 03 05.30202	09 03 59.41	+18 14 18.7	704
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1997 EA ₃₅	1997 03 06.29975	09 22 10.88	+18 53 59.8	704	1997 EL ₃₅	1997 03 06.30192	09 05 09.41	+18 22 27.0	704
1997 EB ₃₅	* 1997 03 04.20720	09 23 21.42	+18 26 32.1	704	1997 EM ₃₅	* 1997 03 04.20961	08 59 34.25	+17 42 44.9	704
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1997 EB ₃₅	1997 03 06.30047	09 21 21.35	+18 24 11.3	704	1997 EM ₃₅	1997 03 05.30275	08 58 52.85	+17 40 43.8	704
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1997 EC ₃₅	1997 03 06.15514	09 23 32.23	+18 21 39.6	704	1997 EO ₃₅	* 1997 03 04.20985	09 02 03.88	+17 23 05.4	704
1997 EC ₃₅	1997 03 06.30023	09 23 26.54	+18 22 05.9	704	1997 EO ₃₅	1997 03 04.31905	09 01 59.97	+17 23 13.1	704
1997 ED ₃₅	* 1997 03 04.20744	09 20 45.92	+18 07 16.4	704	1997 EO ₃₅	1997 03 06.15755	09 01 02.62	+17 25 08.3	704
1997 ED ₃₅	1997 03 04.31665	09 20 41.54	+18 07 40.0	704	1997 EO ₃₅	1997 03 06.30265	09 00 57.72	+17 25 15.6	704
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1997 EE ₃₅	* 1997 03 04.20744	09 21 36.23	+18 28 53.9	704	1997 EP ₃₅	1997 03 05.15821	09 05 00.33	+17 37 43.9	704
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1997 EE ₃₅	1997 03 05.15555	09 21 06.02	+18 35 05.0	704	1997 EP ₃₅	1997 03 06.15804	09 04 22.44	+17 36 51.4	704
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1997 EE ₃₅	1997 03 06.15466	09 20 35.58	+18 41 25.4	704	1997 EQ ₃₅	* 1997 03 04.21034	09 07 58.69	+17 34 45.7	704
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1997 EF ₃₅	* 1997 03 04.20768	09 17 40.23	+18 10 57.4	704	1997 EQ ₃₅	1997 03 05.15845	09 07 26.55	+17 38 53.5	704
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1997 EF ₃₅	1997 03 05.15603	09 16 58.39	+18 10 54.1	704	1997 EQ ₃₅	1997 03 06.15828	09 06 54.44	+17 43 03.4	704
1997 EF ₃₅	1997 03 05.30106	09 16 51.96	+18 10 51.6	704	1997 EQ ₃₅	1997 03 06.30337	09 06 49.51	+17 43 40.2	704
1997 EF ₃₅	1997 03 06.19208	09 16 14.24	+18 10 42.7	704	1997 ER ₃₅	* 1997 03 04.21034	09 08 39.38	+17 58 05.3	704

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1997 ER ₃₅	1997 03 06.19281	09 07 25.96	+18 02 01.4	704	1997 EB ₃₆	1997 03 05.15966	09 21 09.94	+17 46 08.0	704
1997 ER ₃₅	1997 03 06.30168	09 07 21.97	+18 02 14.2	704	1997 EB ₃₆	1997 03 05.30468	09 21 04.15	+17 46 41.1	704
1997 ES ₃₅	* 1997 03 04.21058	09 10 32.71	+17 57 08.1	704	1997 EB ₃₆	1997 03 06.15949	09 20 32.40	+17 49 50.2	704
1997 ES ₃₅	1997 03 04.31978	09 10 27.75	+17 57 19.4	704	1997 EB ₃₆	1997 03 06.30458	09 20 26.77	+17 50 22.9	704
1997 ES ₃₅	1997 03 05.15869	09 09 51.64	+17 58 39.2	704	1997 EC ₃₆	* 1997 03 04.21154	09 22 32.87	+17 40 21.4	704
1997 ES ₃₅	1997 03 05.30371	09 09 45.14	+17 58 52.0	704	1997 EC ₃₆	1997 03 04.35691	09 22 25.28	+17 40 08.1	704
1997 ET ₃₅	* 1997 03 04.21082	09 12 24.67	+17 48 39.7	704	1997 EC ₃₆	1997 03 05.15966	09 21 46.11	+17 38 56.4	704
1997 ET ₃₅	1997 03 04.32002	09 12 20.42	+17 48 45.3	704	1997 EC ₃₆	1997 03 05.30468	09 21 38.77	+17 38 42.7	704
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1997 EZ ₃₅	1997 03 06.30434	09 17 53.30	+17 46 47.0	704	1997 EK ₃₆	1997 03 04.32291	09 05 41.07	+16 50 46.4	704
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1997 EA ₃₆	1997 03 04.32050	09 19 15.49	+17 32 50.2	704	1997 EK ₃₆	1997 03 05.30685	09 05 05.81	+16 49 10.2	704
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1997 EA ₃₆	1997 03 05.30444	09 18 38.02	+17 36 18.8	704	1997 EK ₃₆	1997 03 06.30699	09 04 31.98	+16 47 28.4	704
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1997 EM ₃₆	1997 03 06.16190	09 02 42.28	+16 57 50.7	704	1997 EX ₃₆	1997 03 06.17784	09 13 48.69	+22 14 25.9	704
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1997 EN ₃₆	1997 03 05.14541	09 24 41.29	+21 37 51.2	704	1997 EY ₃₆	1997 03 06.14186	09 10 37.83	+22 20 29.7	704
1997 EN ₃₆	1997 03 05.29043	09 24 34.28	+21 37 03.4	704	1997 EY ₃₆	1997 03 06.28695	09 10 32.99	+22 21 03.7	704
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1997 EP ₃₆	1997 03 06.30192	09 06 09.25	+18 26 21.5	704	1997 EC ₃₇	1997 03 05.25326	09 12 27.57	+21 45 26.4	704
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1997 EQ ₃₆	1997 03 06.28357	09 02 05.07	+23 03 19.6	704	1997 ED ₃₇	1997 03 05.28971	09 17 08.24	+21 37 23.9	704
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1997 ER ₃₆	1997 03 05.28415	09 06 55.42	+23 06 25.0	704	1997 ED ₃₇	1997 03 06.28961	09 16 34.33	+21 39 26.0	704
1997 ER ₃₆	1997 03 06.17494	09 06 24.58	+23 07 11.3	704	1997 EE ₃₇	* 1997 03 05.14614	09 17 22.66	+21 02 40.4	704
1997 ER ₃₆	1997 03 06.28381	09 06 20.70	+23 07 16.6	704	1997 EE ₃₇	1997 03 05.25495	09 17 18.43	+21 03 06.6	704
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1997 ES ₃₆	1997 03 05.28415	09 06 59.74	+22 58 49.9	704	1997 EE ₃₇	1997 03 06.29130	09 16 42.36	+21 06 51.0	704
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1997 EU ₃₆	1997 03 05.28488	09 15 28.81	+23 15 51.6	704	1997 EG ₃₇	1997 03 06.29105	09 18 34.65	+20 50 14.0	704
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1997 EO ₃₇	1997 03 05.29429	09 13 34.76	+20 16 57.1	704	1997 EB ₃₈	1997 03 05.30323	09 04 17.29	+17 42 12.5	704
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1997 EQ ₃₇	1997 03 05.25905	09 23 55.98	+20 12 04.6	704	1997 ED ₃₈	1997 03 05.30540	09 22 06.89	+17 00 21.4	704
1997 EQ ₃₇	1997 03 06.18629	09 23 12.87	+20 15 06.1	704	1997 ED ₃₈	1997 03 06.19643	09 21 33.03	+17 03 29.3	704
1997 EQ ₃₇	1997 03 06.29516	09 23 07.63	+20 15 28.9	704	1997 ED ₃₈	1997 03 06.30530	09 21 28.81	+17 03 51.4	704
1997 ER ₃₇	* 1997 03 05.15048	09 24 35.82	+19 47 13.3	704	1997 EE ₃₈	* 1997 03 05.16207	09 02 43.67	+17 08 47.2	704
1997 ER ₃₇	1997 03 05.29550	09 24 29.74	+19 47 34.2	704	1997 EE ₃₈	1997 03 05.30709	09 02 38.73	+17 09 31.5	704
1997 ER ₃₇	1997 03 06.15031	09 23 56.19	+19 49 28.6	704	1997 EE ₃₈	1997 03 06.19812	09 02 10.63	+17 14 13.3	704
1997 ER ₃₇	1997 03 06.29540	09 23 50.32	+19 49 47.2	704	1997 EE ₃₈	1997 03 06.30723	09 02 07.08	+17 14 48.2	704
1997 ES ₃₇	* 1997 03 05.15072	09 20 06.48	+19 46 03.3	704	1997 EF ₃₈	* 1997 03 05.16280	09 02 53.37	+16 35 13.4	704
1997 ES ₃₇	1997 03 05.29574	09 19 59.25	+19 45 59.2	704	1997 EF ₃₈	1997 03 05.30782	09 02 49.27	+16 35 36.4	704
1997 ES ₃₇	1997 03 06.15079	09 19 19.51	+19 45 14.9	704	1997 EF ₃₈	1997 03 06.16262	09 02 26.28	+16 37 52.0	704
1997 ES ₃₇	1997 03 06.29588	09 19 12.32	+19 45 09.7	704	1997 EF ₃₈	1997 03 06.30796	09 02 22.31	+16 38 15.0	704
1997 ET ₃₇	* 1997 03 05.15121	09 16 13.33	+19 55 54.4	704	1997 EG ₃₈	* 1997 03 05.16328	09 07 02.77	+16 29 06.6	704
1997 ET ₃₇	1997 03 05.29623	09 16 07.72	+19 56 09.6	704	1997 EG ₃₈	1997 03 05.30830	09 06 57.53	+16 30 02.6	704
1997 ET ₃₇	1997 03 06.15104	09 15 35.22	+19 57 51.4	704	1997 EG ₃₈	1997 03 06.19909	09 06 27.60	+16 35 37.4	704
1997 ET ₃₇	1997 03 06.29613	09 15 29.65	+19 58 09.8	704	1997 EG ₃₈	1997 03 06.30820	09 06 23.75	+16 36 17.1	704
1997 EU ₃₇	* 1997 03 05.15145	09 12 16.12	+19 47 24.0	704	1997 EH ₃₈	* 1997 03 05.16352	09 09 42.43	+16 34 10.4	704
1997 EU ₃₇	1997 03 05.29647	09 12 09.59	+19 47 52.5	704	1997 EH ₃₈	1997 03 05.30854	09 09 35.42	+16 34 16.4	704
1997 EU ₃₇	1997 03 06.15152	09 11 33.21	+19 50 31.2	704	1997 EH ₃₈	1997 03 06.16311	09 08 56.92	+16 34 46.5	704
1997 EU ₃₇	1997 03 06.29661	09 11 26.83	+19 50 57.1	704	1997 EH ₃₈	1997 03 06.30844	09 08 50.18	+16 34 50.3	704
1997 EV ₃₇	* 1997 03 05.15241	09 02 03.62	+19 22 18.6	704	1997 EJ ₃₈	* 1997 03 05.16352	09 11 26.81	+16 29 47.8	704
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1997 EV ₃₇	1997 03 06.29733	09 01 17.98	+19 23 41.3	704	1997 EJ ₃₈	1997 03 06.30868	09 10 40.73	+16 32 14.4	704
1997 EW ₃₇	* 1997 03 05.15362	09 06 53.26	+18 59 52.6	704	1997 EK ₃₈	* 1997 03 05.16376	09 13 16.02	+16 19 56.8	704
1997 EW ₃₇	1997 03 05.29864	09 06 48.18	+19 00 12.9	704	1997 EK ₃₈	1997 03 05.30878	09 13 11.01	+16 20 21.6	704
1997 EW ₃₇	1997 03 06.15321	09 06 19.64	+19 02 03.3	704	1997 EK ₃₈	1997 03 06.16359	09 12 43.96	+16 22 50.6	704
1997 EW ₃₇	1997 03 06.29830	09 06 14.57	+19 02 21.9	704	1997 EK ₃₈	1997 03 06.30892	09 12 39.12	+16 23 16.1	704
1997 EX ₃₇	* 1997 03 05.15410	09 12 09.41	+19 19 10.8	704	1997 EL ₃₈	* 1997 03 05.16376	09 14 33.55	+16 14 42.8	704

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1997 EL ₃₈	1997 03 06.16359	09 13 59.90	+16 17 13.7	704	1997 EY ₃₈	1997 03 06.16745	09 03 39.32	+15 01 03.3	704
1997 EL ₃₈	1997 03 06.30892	09 13 54.84	+16 17 35.0	704	1997 EY ₃₈	1997 03 06.31279	09 03 34.94	+15 01 53.5	704
1997 EM ₃₈	* 1997 03 05.16424	09 19 41.21	+16 18 28.3	704	1997 EZ ₃₈	* 1997 03 05.16811	09 04 40.29	+15 14 26.9	704
1997 EM ₃₈	1997 03 05.30927	09 19 34.94	+16 18 49.7	704	1997 EZ ₃₈	1997 03 05.31289	09 04 35.07	+15 14 16.0	704
1997 EM ₃₈	1997 03 06.16407	09 19 00.53	+16 20 55.1	704	1997 EZ ₃₈	1997 03 06.16769	09 04 07.70	+15 13 10.0	704
1997 EM ₃₈	1997 03 06.30941	09 18 54.46	+16 21 17.0	704	1997 EZ ₃₈	1997 03 06.31303	09 04 02.78	+15 12 58.5	704
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1997 EN ₃₈	1997 03 05.30951	09 21 36.14	+16 23 56.3	704	1997 EA ₃₉	1997 03 05.31289	09 05 09.13	+15 00 41.5	704
1997 EN ₃₈	1997 03 06.16432	09 21 05.17	+16 26 02.7	704	1997 EA ₃₉	1997 03 06.16769	09 04 42.40	+15 05 45.9	704
1997 EN ₃₈	1997 03 06.30965	09 20 59.87	+16 26 23.7	704	1997 EA ₃₉	1997 03 06.31303	09 04 37.64	+15 06 35.8	704
1997 EO ₃₈	* 1997 03 05.16545	09 17 27.78	+15 41 18.3	704	1997 EB ₃₉	* 1997 03 05.16835	09 06 57.72	+14 44 17.1	704
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1997 EO ₃₈	1997 03 06.16552	09 16 52.90	+15 46 39.6	704	1997 EB ₃₉	1997 03 06.16769	09 06 26.47	+14 55 36.3	704
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1997 EQ ₃₈	1997 03 05.31071	09 17 00.31	+15 48 09.8	704	1997 EC ₃₉	1997 03 06.31327	09 06 52.40	+15 16 36.3	704
1997 EQ ₃₈	1997 03 06.16552	09 16 33.08	+15 49 35.9	704	1997 ED ₃₉	* 1997 03 05.16883	09 12 05.31	+14 58 58.9	704
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1997 ER ₃₈	* 1997 03 05.16618	09 13 44.24	+15 43 31.0	704	1997 ED ₃₉	1997 03 06.16818	09 11 20.96	+14 56 12.2	704
1997 ER ₃₈	1997 03 05.31096	09 13 39.62	+15 44 54.6	704	1997 ED ₃₉	1997 03 06.31351	09 11 14.43	+14 55 46.1	704
1997 ER ₃₈	1997 03 06.16576	09 13 15.10	+15 53 00.6	704	1997 EE ₃₉	* 1997 03 05.16932	09 18 49.15	+15 13 12.4	704
1997 ER ₃₈	1997 03 06.31110	09 13 10.60	+15 54 21.5	704	1997 EE ₃₉	1997 03 05.31410	09 18 43.99	+15 13 32.3	704
1997 ES ₃₈	* 1997 03 05.16618	09 14 13.92	+15 44 11.7	704	1997 EE ₃₉	1997 03 06.16890	09 18 15.94	+15 15 29.1	704
1997 ES ₃₈	1997 03 05.31096	09 14 08.94	+15 45 08.0	704	1997 EE ₃₉	1997 03 06.31424	09 18 10.92	+15 15 49.0	704
1997 ES ₃₈	1997 03 06.16576	09 13 41.87	+15 50 38.9	704	1997 EF ₃₉	* 1997 03 05.16956	09 21 29.10	+15 03 25.0	704
1997 ES ₃₈	1997 03 06.31110	09 13 37.08	+15 51 34.2	704	1997 EF ₃₉	1997 03 05.31434	09 21 23.41	+15 03 55.2	704
1997 ET ₃₈	* 1997 03 05.16642	09 10 42.32	+15 43 17.0	704	1997 EF ₃₉	1997 03 06.16914	09 20 51.95	+15 06 49.1	704
1997 ET ₃₈	1997 03 05.31120	09 10 36.92	+15 44 16.0	704	1997 EF ₃₉	1997 03 06.31448	09 20 46.46	+15 07 18.9	704
1997 ET ₃₈	1997 03 06.16600	09 10 08.27	+15 49 56.4	704	1997 EG ₃₉	* 1997 03 05.16956	09 22 19.26	+14 50 11.7	704
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1997 EU ₃₈	* 1997 03 05.16714	09 03 22.78	+15 57 51.6	704	1997 EG ₃₉	1997 03 06.16914	09 21 43.18	+14 57 53.7	704
1997 EU ₃₈	1997 03 05.31192	09 03 16.69	+15 57 46.2	704	1997 EG ₃₉	1997 03 06.31448	09 21 37.59	+14 59 00.4	704
1997 EU ₃₈	1997 03 06.16673	09 02 43.76	+15 57 08.0	704	1997 EH ₃₉	* 1997 03 05.16956	09 22 23.23	+15 03 08.0	704
1997 EU ₃₈	1997 03 06.31206	09 02 37.83	+15 57 00.4	704	1997 EH ₃₉	1997 03 05.31434	09 22 17.14	+15 04 04.1	704
1997 EV ₃₈	* 1997 03 05.16763	09 00 54.43	+14 59 09.4	704	1997 EH ₃₉	1997 03 06.16914	09 21 43.98	+15 09 33.2	704
1997 EV ₃₈	1997 03 05.31241	09 00 49.19	+14 59 23.4	704	1997 EH ₃₉	1997 03 06.31448	09 21 38.06	+15 10 28.1	704
1997 EV ₃₈	1997 03 06.16721	09 00 20.90	+15 00 43.1	704	1997 EJ ₃₉	* 1997 03 05.16980	09 23 04.92	+15 14 18.0	704
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1997 EW ₃₈	* 1997 03 05.16787	09 03 16.29	+15 18 14.8	704	1997 EJ ₃₉	1997 03 06.16914	09 22 15.05	+15 11 56.4	704
1997 EW ₃₈	1997 03 05.31265	09 03 10.49	+15 17 58.2	704	1997 EJ ₃₉	1997 03 06.31448	09 22 07.65	+15 11 35.5	704
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1997 EW ₃₈	1997 03 06.31279	09 02 32.87	+15 16 01.1	704	1997 EK ₃₉	1997 03 05.31458	09 24 09.11	+14 45 46.5	704
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1997 EX ₃₈	1997 03 05.31265	09 03 26.66	+15 03 45.0	704	1997 EK ₃₉	1997 03 06.31472	09 23 31.39	+14 50 16.3	704
1997 EX ₃₈	1997 03 06.16745	09 03 04.83	+15 07 07.1	704	1997 EL ₃₉	* 1997 03 05.16980	09 24 50.14	+14 45 56.6	704
1997 EX ₃₈	1997 03 06.31279	09 03 00.97	+15 07 40.2	704	1997 EL ₃₉	1997 03 05.31458	09 24 44.80	+14 46 32.8	704
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1997 EM ₃₉	* 1997 03 05.16980	09 25 19.85	+15 12 48.5	704	1997 EZ ₃₉	* 1997 03 05.17270	09 02 10.08	+13 21 46.2	704
1997 EM ₃₉	1997 03 05.31458	09 25 12.94	+15 12 32.7	704	1997 EZ ₃₉	1997 03 05.31748	09 02 04.92	+13 22 11.7	704
1997 EM ₃₉	1997 03 06.16939	09 24 33.93	+15 11 03.2	704	1997 EZ ₃₉	1997 03 06.17228	09 01 36.70	+13 24 19.7	704
1997 EM ₃₉	1997 03 06.31472	09 24 27.13	+15 10 47.1	704	1997 EZ ₃₉	1997 03 06.31762	09 01 31.76	+13 24 44.1	704
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1997 EN ₃₉	1997 03 05.31506	09 21 17.35	+14 36 41.7	704	1997 EA ₄₀	1997 03 05.31748	09 02 05.37	+13 45 56.5	704
1997 EN ₃₉	1997 03 06.16987	09 20 37.16	+14 37 39.2	704	1997 EA ₄₀	1997 03 06.17228	09 01 37.01	+13 49 00.7	704
1997 EN ₃₉	1997 03 06.31520	09 20 30.00	+14 37 50.1	704	1997 EA ₄₀	1997 03 06.31762	09 01 32.02	+13 49 31.2	704
1997 EO ₃₉	* 1997 03 05.17028	09 21 26.55	+14 15 36.3	704	1997 EB ₄₀	* 1997 03 05.17270	09 02 20.00	+13 23 46.2	704
1997 EO ₃₉	1997 03 05.31506	09 21 20.06	+14 15 47.0	704	1997 EB ₄₀	1997 03 05.31748	09 02 15.67	+13 24 46.1	704
1997 EO ₃₉	1997 03 06.16987	09 20 45.26	+14 17 00.8	704	1997 EB ₄₀	1997 03 06.17228	09 01 52.93	+13 30 36.6	704
1997 EO ₃₉	1997 03 06.31520	09 20 39.01	+14 17 12.5	704	1997 EB ₄₀	1997 03 06.31762	09 01 48.92	+13 31 36.0	704
1997 EP ₃₉	* 1997 03 05.17028	09 22 03.15	+14 23 45.6	704	1997 EC ₄₀	* 1997 03 05.17270	09 02 26.31	+13 27 56.5	704
1997 EP ₃₉	1997 03 05.31506	09 21 56.43	+14 23 48.6	704	1997 EC ₄₀	1997 03 05.31748	09 02 22.22	+13 29 35.9	704
1997 EP ₃₉	1997 03 06.16987	09 21 18.61	+14 24 08.8	704	1997 EC ₄₀	1997 03 06.17228	09 02 00.77	+13 39 20.7	704
1997 EP ₃₉	1997 03 06.31520	09 21 11.93	+14 24 11.4	704	1997 EC ₄₀	1997 03 06.31762	09 01 57.02	+13 41 00.6	704
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1997 EQ ₃₉	1997 03 05.31530	09 18 29.43	+14 01 42.5	704	1997 ED ₄₀	1997 03 05.31772	09 05 45.84	+13 34 44.3	704
1997 EQ ₃₉	1997 03 06.17011	09 17 55.72	+14 03 52.9	704	1997 ED ₄₀	1997 03 06.17253	09 05 18.02	+13 38 49.2	704
1997 EQ ₃₉	1997 03 06.31544	09 17 49.69	+14 04 16.0	704	1997 ED ₄₀	1997 03 06.31786	09 05 13.11	+13 39 30.7	704
1997 ER ₃₉	* 1997 03 05.17052	09 19 16.10	+14 20 56.9	704	1997 EE ₄₀	* 1997 03 05.17366	09 13 29.33	+13 36 03.9	704
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1997 ER ₃₉	1997 03 06.31544	09 18 32.19	+14 26 40.3	704	1997 EE ₄₀	1997 03 06.31858	09 12 51.29	+13 40 59.8	704
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1997 EU ₃₉	1997 03 06.17059	09 12 55.50	+14 21 14.0	704	1997 EH ₄₀	1997 03 06.15804	09 04 55.57	+17 51 43.0	704
1997 EU ₃₉	1997 03 06.31593	09 12 50.95	+14 22 13.6	704	1997 EH ₄₀	1997 03 06.30313	09 04 49.74	+17 51 25.2	704
1997 EV ₃₉	* 1997 03 05.17149	09 08 20.94	+14 19 07.6	704	1997 EJ ₄₀	* 1997 03 05.19515	09 11 12.18	+17 56 25.6	704
1997 EV ₃₉	1997 03 05.31627	09 08 16.78	+14 19 33.7	704	1997 EJ ₄₀	1997 03 05.30371	09 11 06.54	+17 56 28.3	704
1997 EV ₃₉	1997 03 06.17108	09 07 52.79	+14 22 05.9	704	1997 EJ ₄₀	1997 03 06.15852	09 10 24.53	+17 56 47.4	704
1997 EV ₃₉	1997 03 06.31641	09 07 48.61	+14 22 31.8	704	1997 EJ ₄₀	1997 03 06.30361	09 10 17.20	+17 56 51.7	704
1997 EW ₃₉	* 1997 03 05.17173	09 06 27.44	+14 09 30.8	704	1997 EK ₄₀	* 1997 03 05.19612	09 22 17.29	+17 38 30.3	704
1997 EW ₃₉	1997 03 05.31651	09 06 23.56	+14 10 31.5	704	1997 EK ₄₀	1997 03 05.30468	09 22 12.25	+17 38 55.9	704
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1997 EW ₃₉	1997 03 06.31665	09 05 57.29	+14 17 36.7	704	1997 EK ₄₀	1997 03 06.30458	09 21 28.42	+17 42 49.8	704
1997 EX ₃₉	* 1997 03 05.17245	08 59 32.60	+13 26 56.5	704	1997 EL ₄₀	* 1997 03 05.19660	09 23 58.21	+17 13 09.5	704
1997 EX ₃₉	1997 03 05.31724	08 59 29.76	+13 27 52.1	704	1997 EL ₄₀	1997 03 05.30516	09 23 53.92	+17 13 35.5	704
1997 EX ₃₉	1997 03 06.17204	08 59 17.21	+13 33 16.2	704	1997 EL ₄₀	1997 03 06.19619	09 23 21.92	+17 17 14.2	704
1997 EX ₃₉	1997 03 06.31738	08 59 14.73	+13 34 10.4	704	1997 EL ₄₀	1997 03 06.30506	09 23 17.96	+17 17 40.7	704
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1997 EY ₃₉	1997 03 05.31724	09 00 07.76	+13 35 08.8	704	1997 EM ₄₀	1997 03 05.30903	09 15 46.24	+16 24 40.8	704
1997 EY ₃₉	1997 03 06.17204	08 59 39.29	+13 37 42.3	704	1997 EM ₄₀	1997 03 06.20005	09 15 10.24	+16 25 15.6	704

1997 EM ₄₀	1997 03 06.30916	09 15 05.70	+16 25 20.8	704	1997 EA ₄₁	1997 03 12.31630	09 56 37.30	+06 09 18.0	704
1997 EN ₄₀	* 1997 03 05.20143	09 22 58.42	+15 54 11.3	704	1997 EB ₄₁	* 1997 03 10.23025	10 00 49.18	+05 51 37.2	19.1 V 704
1997 EN ₄₀	1997 03 05.30999	09 22 54.11	+15 54 31.7	704	1997 EB ₄₁	1997 03 10.33665	10 00 44.25	+05 51 51.4	704
1997 EN ₄₀	1997 03 06.16504	09 22 22.06	+15 56 48.8	704	1997 EB ₄₁	1997 03 11.27370	10 00 02.50	+05 54 09.4	704
1997 EN ₄₀	1997 03 06.31037	09 22 16.22	+15 57 12.4	704	1997 EB ₄₁	1997 03 11.37507	09 59 57.88	+05 54 24.2	704
1997 EO ₄₀	* 1997 03 05.20698	09 16 00.74	+14 17 52.3	704	1997 EB ₄₁	1997 03 12.21496	09 59 21.18	+05 56 25.9	704
1997 EO ₄₀	1997 03 05.31554	09 15 56.02	+14 18 25.5	704	1997 EB ₄₁	1997 03 12.31681	09 59 16.70	+05 56 40.6	704
1997 EO ₄₀	1997 03 06.17035	09 15 22.87	+14 22 49.3	704	1997 EC ₄₁	* 1997 03 10.23078	10 02 16.50	+06 00 50.9	19.3 V 704
1997 EO ₄₀	1997 03 06.31568	09 15 16.83	+14 23 34.9	704	1997 EC ₄₁	1997 03 10.33718	10 02 11.70	+06 01 07.1	704
1997 ET ₄₀	* 1997 03 10.22814	09 52 26.77	+06 06 55.8	17.5 V 704	1997 EC ₄₁	1997 03 11.29967	10 01 30.08	+06 03 35.9	704
1997 ET ₄₀	1997 03 10.33505	09 52 21.94	+06 07 25.9	704	1997 EC ₄₁	1997 03 11.37557	10 01 26.75	+06 03 49.1	704
1997 ET ₄₀	1997 03 11.27217	09 51 42.13	+06 11 51.4	17.7 V 704	1997 ED ₄₁	* 1997 03 10.23185	10 08 40.62	+05 59 26.8	19.1 V 704
1997 ET ₄₀	1997 03 11.37353	09 51 37.71	+06 12 20.5	704	1997 ED ₄₁	1997 03 10.33825	10 08 35.19	+06 00 09.5	704
1997 ET ₄₀	1997 03 12.21343	09 51 03.24	+06 16 16.1	17.7 V 704	1997 ED ₄₁	1997 03 11.27523	10 07 49.24	+06 06 07.4	704
1997 ET ₄₀	1997 03 12.31529	09 50 58.91	+06 16 43.7	704	1997 ED ₄₁	1997 03 11.37659	10 07 44.14	+06 06 45.3	704
1997 EU ₄₀	* 1997 03 10.22867	09 54 13.24	+06 16 13.0	17.4 V 704	1997 ED ₄₁	1997 03 12.21649	10 07 04.02	+06 12 04.1	704
1997 EU ₄₀	1997 03 10.33559	09 54 08.12	+06 16 57.1	704	1997 ED ₄₁	1997 03 12.31834	10 06 58.97	+06 12 42.9	704
1997 EU ₄₀	1997 03 11.27828	09 53 25.11	+06 23 17.3	17.9 V 704	1997 EE ₄₁	* 1997 03 10.23237	10 07 54.51	+06 47 05.9	18.7 V 704
1997 EU ₄₀	1997 03 11.35418	09 53 21.69	+06 23 49.2	704	1997 EE ₄₁	1997 03 10.33877	10 07 50.52	+06 47 52.1	704
1997 EU ₄₀	1997 03 12.22005	09 52 43.27	+06 29 36.8	17.8 V 704	1997 EE ₄₁	1997 03 11.27574	10 07 16.23	+06 54 33.8	704
1997 EU ₄₀	1997 03 12.32191	09 52 38.59	+06 30 17.4	704	1997 EE ₄₁	1997 03 11.37710	10 07 12.45	+06 55 17.3	704
1997 EV ₄₀	* 1997 03 10.22867	09 54 22.84	+05 44 52.5	17.9 V 704	1997 EF ₄₁	* 1997 03 10.23397	10 01 06.22	+06 54 23.9	18.0 V 704
1997 EV ₄₀	1997 03 10.33559	09 54 18.04	+05 45 10.3	704	1997 EF ₄₁	1997 03 10.34037	10 01 00.62	+06 55 08.4	704
1997 EV ₄₀	1997 03 11.27268	09 53 38.44	+05 47 42.4	18.0 V 704	1997 EF ₄₁	1997 03 11.28083	10 00 14.01	+07 01 53.8	18.7 V 704
1997 EV ₄₀	1997 03 11.37404	09 53 34.10	+05 47 59.4	704	1997 EF ₄₁	1997 03 11.38269	10 00 08.86	+07 02 36.4	704
1997 EV ₄₀	1997 03 12.21343	09 52 59.55	+05 50 14.7	17.7 V 704	1997 EF ₄₁	1997 03 12.22209	09 59 28.49	+07 08 33.2	18.5 V 704
1997 EV ₄₀	1997 03 12.31529	09 52 55.23	+05 50 30.8	704	1997 EF ₄₁	1997 03 12.32394	09 59 23.35	+07 09 16.5	704
1997 EW ₄₀	* 1997 03 10.22867	09 54 23.05	+05 49 45.8	17.8 V 704	1997 EG ₄₁	* 1997 03 10.23450	09 58 03.32	+06 46 58.3	17.6 V 704
1997 EW ₄₀	1997 03 10.33559	09 54 18.11	+05 50 43.9	704	1997 EG ₄₁	1997 03 10.34090	09 57 58.33	+06 47 14.4	704
1997 EW ₄₀	1997 03 11.27268	09 53 37.39	+05 59 11.7	18.2 V 704	1997 EG ₄₁	1997 03 11.27777	09 57 16.57	+06 49 30.4	17.4 V 704
1997 EW ₄₀	1997 03 11.37404	09 53 32.92	+06 00 07.3	704	1997 EG ₄₁	1997 03 11.37964	09 57 11.92	+06 49 45.9	704
1997 EW ₄₀	1997 03 12.21343	09 52 57.55	+06 07 37.3	17.2 V 704	1997 EG ₄₁	1997 03 12.21904	09 56 35.64	+06 51 46.0	17.1 V 704
1997 EW ₄₀	1997 03 12.31529	09 52 53.11	+06 08 31.4	704	1997 EG ₄₁	1997 03 12.32089	09 56 31.10	+06 52 00.4	704
1997 EX ₄₀	* 1997 03 10.22920	09 56 26.87	+06 14 36.0	18.8 V 704	1997 EH ₄₁	* 1997 03 10.23504	09 54 06.76	+06 31 19.7	18.1 V 704
1997 EX ₄₀	1997 03 10.33612	09 56 22.55	+06 15 07.4	704	1997 EH ₄₁	1997 03 10.34143	09 54 02.02	+06 31 42.9	704
1997 EX ₄₀	1997 03 12.21954	09 55 12.73	+06 24 30.4	18.6 V 704	1997 EH ₄₁	1997 03 12.22005	09 52 45.33	+06 38 32.5	18.4 V 704
1997 EX ₄₀	1997 03 12.32140	09 55 08.88	+06 25 00.8	704	1997 EH ₄₁	1997 03 12.32191	09 52 41.03	+06 38 54.3	704
1997 EY ₄₀	* 1997 03 10.22920	09 56 47.69	+06 14 57.1	18.7 V 704	1997 EJ ₄₁	* 1997 03 10.23504	09 55 35.69	+06 53 48.8	18.5 V 704
1997 EY ₄₀	1997 03 10.33612	09 56 42.38	+06 15 32.0	704	1997 EJ ₄₁	1997 03 10.34143	09 55 29.28	+06 53 51.5	704
1997 EY ₄₀	1997 03 12.21954	09 55 12.64	+06 25 35.7	18.9 V 704	1997 EJ ₄₁	1997 03 12.21954	09 53 42.46	+06 54 50.2	18.5 V 704
1997 EY ₄₀	1997 03 12.32140	09 55 07.63	+06 26 08.5	704	1997 EJ ₄₁	1997 03 12.32140	09 53 36.60	+06 54 52.4	704
1997 EZ ₄₀	* 1997 03 10.22920	09 57 54.85	+06 18 00.8	17.6 V 704	1997 EK ₄₁	* 1997 03 10.23557	09 53 03.11	+06 39 45.2	18.1 V 704
1997 EZ ₄₀	1997 03 10.33612	09 57 49.10	+06 18 55.7	704	1997 EK ₄₁	1997 03 10.34196	09 52 57.54	+06 40 21.5	704
1997 EZ ₄₀	1997 03 11.27777	09 57 01.56	+06 26 03.9	18.1 V 704	1997 EK ₄₁	1997 03 11.27879	09 52 11.57	+06 45 46.4	18.3 V 704
1997 EZ ₄₀	1997 03 11.37964	09 56 56.27	+06 26 50.8	704	1997 EK ₄₁	1997 03 11.38066	09 52 06.45	+06 46 21.3	704
1997 EZ ₄₀	1997 03 12.21904	09 56 15.28	+06 33 08.6	17.6 V 704	1997 EK ₄₁	1997 03 12.22005	09 51 26.57	+06 51 08.6	17.7 V 704
1997 EZ ₄₀	1997 03 12.32089	09 56 10.05	+06 33 55.1	704	1997 EK ₄₁	1997 03 12.32191	09 51 21.53	+06 51 43.9	704
1997 EA ₄₁	* 1997 03 10.22920	09 58 03.91	+06 05 03.3	18.8 V 704	1997 EL ₄₁	* 1997 03 10.23715	09 54 11.05	+07 14 56.8	17.8 V 704
1997 EA ₄₁	1997 03 10.33612	09 57 59.27	+06 05 18.4	704	1997 EL ₄₁	1997 03 10.34303	09 54 06.84	+07 15 28.0	704
1997 EA ₄₁	1997 03 11.27319	09 57 20.08	+06 07 12.6	18.6 V 704	1997 EL ₄₁	1997 03 11.27981	09 53 32.72	+07 19 58.9	17.9 V 704
1997 EA ₄₁	1997 03 11.37456	09 57 15.78	+06 07 24.7	704	1997 EL ₄₁	1997 03 11.35621	09 53 29.85	+07 20 20.6	704
1997 EA ₄₁	1997 03 12.21445	09 56 41.55	+06 09 05.2	18.6 V 704	1997 EL ₄₁	1997 03 12.22056	09 52 59.86	+07 24 25.0	17.9 V 704

1997 EL ₄₁	1997 03 12.32242	09 52 56.15	+07 24 53.2		704	1997 EV ₄₁	1997 03 10.34676	10 05 49.28	+08 04 36.2		704
1997 EM ₄₁	* 1997 03 10.23768	09 58 01.84	+07 07 30.5	18.1 V	704	1997 EV ₄₁	1997 03 11.28338	10 04 59.61	+08 07 53.4	18.2 V	704
1997 EM ₄₁	1997 03 10.34356	09 57 55.91	+07 07 25.5		704	1997 EV ₄₁	1997 03 11.38524	10 04 54.11	+08 08 15.0		704
1997 EM ₄₁	1997 03 11.28032	09 57 06.66	+07 06 49.0		704	1997 EV ₄₁	1997 03 12.22464	10 04 10.58	+08 11 09.5	18.2 V	704
1997 EM ₄₁	1997 03 11.38218	09 57 01.14	+07 06 46.2		704	1997 EV ₄₁	1997 03 12.32649	10 04 05.20	+08 11 31.2		704
1997 EM ₄₁	1997 03 12.22158	09 56 18.37	+07 06 12.9	17.6 V	704	1997 EW ₄₁	* 1997 03 10.24247	09 57 27.04	+08 10 19.7	18.5 V	704
1997 EM ₄₁	1997 03 12.32343	09 56 12.95	+07 06 08.2		704	1997 EW ₄₁	1997 03 10.34836	09 57 22.50	+08 11 11.3		704
1997 EN ₄₁	* 1997 03 10.23875	10 01 35.74	+07 25 11.0	17.7 V	704	1997 EW ₄₁	1997 03 11.31037	09 56 44.84	+08 18 42.4	19.2 V	704
1997 EN ₄₁	1997 03 10.34463	10 01 31.08	+07 25 47.8		704	1997 EW ₄₁	1997 03 11.38677	09 56 41.77	+08 19 16.0		704
1997 EN ₄₁	1997 03 11.28083	10 00 52.24	+07 30 59.5	17.8 V	704	1997 EW ₄₁	1997 03 12.22871	09 56 10.24	+08 25 45.3	18.8 V	704
1997 EN ₄₁	1997 03 11.38269	10 00 47.94	+07 31 32.5		704	1997 EW ₄₁	1997 03 12.33056	09 56 06.23	+08 26 31.3		704
1997 EN ₄₁	1997 03 12.22209	10 00 14.12	+07 36 09.9	17.7 V	704	1997 EX ₄₁	* 1997 03 10.24354	09 52 45.95	+08 09 39.8	17.0 V	704
1997 EN ₄₁	1997 03 12.32394	10 00 09.87	+07 36 43.3		704	1997 EX ₄₁	1997 03 10.34942	09 52 41.41	+08 10 08.8		704
1997 EO ₄₁	* 1997 03 10.23928	10 05 03.95	+07 28 04.7	18.8 V	704	1997 EX ₄₁	1997 03 11.28592	09 52 03.58	+08 14 27.6	17.3 V	704
1997 EO ₄₁	1997 03 10.34516	10 04 59.50	+07 28 38.1		704	1997 EX ₄₁	1997 03 11.38779	09 51 59.46	+08 14 54.6		704
1997 EO ₄₁	1997 03 11.28185	10 04 22.15	+07 33 28.8	19.0 V	704	1997 EX ₄₁	1997 03 12.22718	09 51 26.49	+08 18 43.9	17.1 V	704
1997 EO ₄₁	1997 03 11.38371	10 04 18.08	+07 34 00.7		704	1997 EX ₄₁	1997 03 12.32904	09 51 22.39	+08 19 10.8		704
1997 EO ₄₁	1997 03 12.22260	10 03 45.41	+07 38 18.4	19.1 V	704	1997 EY ₄₁	* 1997 03 10.24407	09 51 33.15	+08 55 17.7	18.6 V	704
1997 EO ₄₁	1997 03 12.32445	10 03 41.44	+07 38 47.8		704	1997 EY ₄₁	1997 03 10.34995	09 51 28.46	+08 55 37.6		704
1997 EP ₄₁	* 1997 03 10.23928	10 05 54.28	+07 05 42.6	18.9 V	704	1997 EY ₄₁	1997 03 11.28643	09 50 48.89	+08 58 22.8	18.4 V	704
1997 EP ₄₁	1997 03 10.34516	10 05 49.46	+07 06 33.5		704	1997 EY ₄₁	1997 03 11.38829	09 50 44.52	+08 58 41.0		704
1997 EP ₄₁	1997 03 11.30731	10 05 09.03	+07 13 59.6	19.4 V	704	1997 EZ ₄₁	* 1997 03 10.24407	09 52 44.99	+08 33 33.2	18.2 V	704
1997 EP ₄₁	1997 03 11.38371	10 05 05.65	+07 14 35.4		704	1997 EZ ₄₁	1997 03 10.34995	09 52 39.23	+08 33 49.6		704
1997 EQ ₄₁	* 1997 03 10.23981	10 07 14.72	+07 35 15.1	17.5 V	704	1997 EZ ₄₁	1997 03 11.28643	09 51 51.04	+08 36 21.9	17.4 V	704
1997 EQ ₄₁	1997 03 10.34570	10 07 10.55	+07 36 01.8		704	1997 EZ ₄₁	1997 03 11.38829	09 51 45.69	+08 36 38.0		704
1997 EQ ₄₁	1997 03 11.28338	10 06 35.38	+07 42 52.3	18.3 V	704	1997 EZ ₄₁	1997 03 12.22769	09 51 03.92	+08 38 50.5	17.7 V	704
1997 EQ ₄₁	1997 03 11.38524	10 06 31.45	+07 43 36.7		704	1997 EZ ₄₁	1997 03 12.32955	09 50 58.68	+08 39 06.9		704
1997 EQ ₄₁	1997 03 12.22464	10 06 00.80	+07 49 42.5	17.7 V	704	1997 EA ₄₂	* 1997 03 10.24567	09 59 52.02	+08 48 00.9	17.9 V	704
1997 EQ ₄₁	1997 03 12.32649	10 05 56.94	+07 50 26.5		704	1997 EA ₄₂	1997 03 10.35155	09 59 47.63	+08 48 36.8		704
1997 ER ₄₁	* 1997 03 10.23981	10 09 12.00	+07 16 09.0	18.7 V	704	1997 EA ₄₂	1997 03 11.28796	09 59 10.42	+08 53 53.6	17.7 V	704
1997 ER ₄₁	1997 03 10.34570	10 09 06.69	+07 16 33.3		704	1997 EA ₄₂	1997 03 11.38982	09 59 06.28	+08 54 27.4		704
1997 ER ₄₁	1997 03 11.28236	10 08 23.18	+07 20 06.9	18.7 V	704	1997 EB ₄₂	* 1997 03 10.24620	10 02 09.49	+08 49 09.1	18.2 V	704
1997 ER ₄₁	1997 03 11.38422	10 08 18.28	+07 20 29.7		704	1997 EB ₄₂	1997 03 10.35208	10 02 03.61	+08 49 39.0		704
1997 ER ₄₁	1997 03 12.22362	10 07 40.48	+07 23 36.7	18.3 V	704	1997 EB ₄₂	1997 03 11.28796	10 01 14.56	+08 53 55.0	18.7 V	704
1997 ER ₄₁	1997 03 12.32547	10 07 35.69	+07 23 59.5		704	1997 EB ₄₂	1997 03 11.38982	10 01 09.06	+08 54 22.2		704
1997 ES ₄₁	* 1997 03 10.24034	10 08 18.37	+08 05 50.1	18.9 V	704	1997 EB ₄₂	1997 03 12.22922	10 00 26.28	+08 58 09.9	18.4 V	704
1997 ES ₄₁	1997 03 10.34623	10 08 13.26	+08 06 10.9		704	1997 EB ₄₂	1997 03 12.33107	10 00 20.89	+08 58 37.3		704
1997 ES ₄₁	1997 03 11.28287	10 07 31.01	+08 09 14.5		704	1997 EC ₄₂	* 1997 03 10.24620	10 02 18.01	+08 54 33.5	18.7 V	704
1997 ES ₄₁	1997 03 11.38473	10 07 26.39	+08 09 35.0		704	1997 EC ₄₂	1997 03 10.35208	10 02 12.54	+08 55 03.3		704
1997 ES ₄₁	1997 03 12.24959	10 06 48.34	+08 12 20.4	18.5 V	704	1997 EC ₄₂	1997 03 12.23279	10 00 40.01	+09 04 02.1	19.6 V	704
1997 ES ₄₁	1997 03 12.32598	10 06 44.76	+08 12 35.9		704	1997 EC ₄₂	1997 03 12.33464	10 00 34.97	+09 04 28.9		704
1997 ET ₄₁	* 1997 03 10.24034	10 08 34.77	+08 13 00.0	18.3 V	704	1997 ED ₄₂	* 1997 03 10.24620	10 03 05.01	+08 58 06.0	18.8 V	704
1997 ET ₄₁	1997 03 10.34623	10 08 29.36	+08 13 28.8		704	1997 ED ₄₂	1997 03 10.35208	10 02 59.35	+08 58 40.6		704
1997 ET ₄₁	1997 03 11.28287	10 07 44.60	+08 17 49.1		704	1997 ED ₄₂	1997 03 11.29102	10 02 12.18	+09 03 42.8	19.4 V	704
1997 ET ₄₁	1997 03 11.38473	10 07 39.55	+08 18 16.0		704	1997 ED ₄₂	1997 03 11.39288	10 02 06.88	+09 04 15.9		704
1997 ET ₄₁	1997 03 12.23075	10 07 00.44	+08 22 05.6	18.9 V	704	1997 EE ₄₂	* 1997 03 10.24673	10 04 12.98	+08 47 28.4	18.6 V	704
1997 ET ₄₁	1997 03 12.33260	10 06 55.57	+08 22 32.5		704	1997 EE ₄₂	1997 03 10.35262	10 04 07.35	+08 47 59.7		704
1997 EU ₄₁	* 1997 03 10.24088	10 05 28.75	+08 15 03.0	18.6 V	704	1997 EE ₄₂	1997 03 11.28847	10 03 20.73	+08 52 38.5	18.8 V	704
1997 EU ₄₁	1997 03 10.34676	10 05 22.81	+08 15 35.2		704	1997 EE ₄₂	1997 03 11.39033	10 03 15.46	+08 53 08.4		704
1997 EU ₄₁	1997 03 12.22973	10 03 43.09	+08 24 43.3	19.1 V	704	1997 EE ₄₂	1997 03 12.22973	10 02 34.96	+08 57 14.6	18.7 V	704
1997 EU ₄₁	1997 03 12.33158	10 03 37.59	+08 25 13.7		704	1997 EE ₄₂	1997 03 12.33158	10 02 29.95	+08 57 43.4		704
1997 EV ₄₁	* 1997 03 10.24088	10 05 55.08	+08 04 13.5	18.2 V	704	1997 EF ₄₂	* 1997 03 10.24673	10 04 46.91	+08 27 50.8	18.8 V	704

1997 EF ₄₂	1997 03 10.35262	10 04 41.74	+08 27 58.4		704	1997 EP ₄₂	1997 03 11.39288	10 01 55.96	+09 32 44.3		704
1997 EF ₄₂	1997 03 11.31443	10 03 56.34	+08 28 57.9	19.2 V	704	1997 EP ₄₂	1997 03 12.23279	10 01 15.11	+09 36 27.3	19.0 V	704
1997 EF ₄₂	1997 03 11.39033	10 03 52.72	+08 29 03.6		704	1997 EP ₄₂	1997 03 12.33464	10 01 10.05	+09 36 53.1		704
1997 EF ₄₂	1997 03 12.22973	10 03 13.96	+08 29 54.7	19.0 V	704	1997 EQ ₄₂	* 1997 03 10.24939	09 58 55.87	+09 15 34.1	19.0 V	704
1997 EF ₄₂	1997 03 12.33158	10 03 09.17	+08 30 00.2		704	1997 EQ ₄₂	1997 03 10.35528	09 58 51.74	+09 16 16.4		704
1997 EG ₄₂	* 1997 03 10.24673	10 04 47.88	+08 25 43.1	18.8 V	704	1997 EQ ₄₂	1997 03 11.29203	09 58 16.64	+09 22 14.4		704
1997 EG ₄₂	1997 03 10.35262	10 04 42.42	+08 26 31.8		704	1997 EQ ₄₂	1997 03 11.39390	09 58 12.73	+09 22 52.1		704
1997 EG ₄₂	1997 03 11.28847	10 03 56.61	+08 33 38.1	18.9 V	704	1997 ER ₄₂	* 1997 03 10.24992	09 57 28.15	+09 14 52.0	18.1 V	704
1997 EG ₄₂	1997 03 11.39033	10 03 51.38	+08 34 23.0		704	1997 ER ₄₂	1997 03 10.32869	09 57 23.86	+09 15 13.7		704
1997 EG ₄₂	1997 03 12.22973	10 03 11.42	+08 40 42.5	18.9 V	704	1997 ER ₄₂	1997 03 11.29203	09 56 34.29	+09 19 38.8		704
1997 EG ₄₂	1997 03 12.33158	10 03 06.31	+08 41 28.2		704	1997 ER ₄₂	1997 03 11.39390	09 56 28.90	+09 20 06.0		704
1997 EH ₄₂	* 1997 03 10.24673	10 05 06.30	+08 50 03.4	18.3 V	704	1997 ER ₄₂	1997 03 12.23381	09 55 47.13	+09 23 52.1	17.6 V	704
1997 EH ₄₂	1997 03 10.35262	10 05 00.77	+08 50 14.8		704	1997 ER ₄₂	1997 03 12.33566	09 55 41.84	+09 24 18.4		704
1997 EH ₄₂	1997 03 11.28898	10 04 14.82	+08 51 56.0	18.1 V	704	1997 ES ₄₂	* 1997 03 10.25098	09 52 32.81	+09 17 23.4	18.4 V	704
1997 EH ₄₂	1997 03 11.39084	10 04 09.72	+08 52 07.7		704	1997 ES ₄₂	1997 03 10.33027	09 52 29.22	+09 17 49.7		704
1997 EH ₄₂	1997 03 12.22973	10 03 29.91	+08 53 33.7	18.7 V	704	1997 ES ₄₂	1997 03 11.29305	09 51 48.78	+09 23 06.5	18.8 V	704
1997 EH ₄₂	1997 03 12.33158	10 03 24.89	+08 53 42.9		704	1997 ES ₄₂	1997 03 11.39492	09 51 44.36	+09 23 39.6		704
1997 EJ ₄₂	* 1997 03 10.24673	10 05 28.41	+08 24 42.1	19.1 V	704	1997 ES ₄₂	1997 03 12.23431	09 51 10.48	+09 28 10.2	18.0 V	704
1997 EJ ₄₂	1997 03 10.35262	10 05 23.41	+08 25 25.1		704	1997 ES ₄₂	1997 03 12.33617	09 51 06.16	+09 28 42.6		704
1997 EJ ₄₂	1997 03 11.28898	10 04 40.98	+08 31 41.5	18.5 V	704	1997 ET ₄₂	* 1997 03 10.25258	09 56 25.89	+09 46 53.9	18.1 V	704
1997 EJ ₄₂	1997 03 11.39084	10 04 36.31	+08 32 23.5		704	1997 ET ₄₂	1997 03 10.35847	09 56 20.90	+09 46 54.6		704
1997 EK ₄₂	* 1997 03 10.24779	10 06 53.13	+09 27 33.6	18.7 V	704	1997 ET ₄₂	1997 03 12.23533	09 54 56.44	+09 47 00.7	18.5 V	704
1997 EK ₄₂	1997 03 10.35368	10 06 48.38	+09 27 52.0		704	1997 ET ₄₂	1997 03 12.33718	09 54 51.78	+09 47 01.5		704
1997 EK ₄₂	1997 03 11.29051	10 06 08.82	+09 30 21.9		704	1997 EU ₄₂	* 1997 03 10.25365	10 01 41.19	+10 10 36.5		704
1997 EK ₄₂	1997 03 11.39237	10 06 04.46	+09 30 37.7		704	1997 EU ₄₂	1997 03 10.33345	10 01 37.07	+10 10 53.8		704
1997 EK ₄₂	1997 03 12.23177	10 05 29.75	+09 32 48.6	18.5 V	704	1997 EU ₄₂	1997 03 11.29509	10 00 50.43	+10 14 17.6		704
1997 EK ₄₂	1997 03 12.33362	10 05 25.39	+09 33 03.9		704	1997 EU ₄₂	1997 03 11.39695	10 00 45.38	+10 14 38.9		704
1997 EL ₄₂	* 1997 03 10.24832	10 06 21.48	+09 33 37.5	18.4 V	704	1997 EU ₄₂	1997 03 12.23635	10 00 05.85	+10 17 32.6		704
1997 EL ₄₂	1997 03 10.35421	10 06 16.47	+09 34 00.2		704	1997 EU ₄₂	1997 03 12.33820	10 00 00.82	+10 17 53.8		704
1997 EL ₄₂	1997 03 11.29051	10 05 34.55	+09 37 34.2		704	1997 EV ₄₂	* 1997 03 10.25365	10 02 36.03	+10 05 58.6		704
1997 EL ₄₂	1997 03 11.39237	10 05 29.84	+09 37 56.4		704	1997 EV ₄₂	1997 03 10.33345	10 02 32.63	+10 06 18.8		704
1997 EL ₄₂	1997 03 12.23737	10 04 52.83	+09 41 03.6	19.1 V	704	1997 EV ₄₂	1997 03 11.29560	10 01 53.20	+10 10 24.8		704
1997 EL ₄₂	1997 03 12.33922	10 04 48.30	+09 41 25.7		704	1997 EV ₄₂	1997 03 11.39746	10 01 49.01	+10 10 50.4		704
1997 EM ₄₂	* 1997 03 10.24886	10 01 41.42	+09 18 47.6	18.8 V	704	1997 EV ₄₂	1997 03 12.23635	10 01 15.55	+10 14 21.6		704
1997 EM ₄₂	1997 03 10.35475	10 01 36.64	+09 18 58.9		704	1997 EV ₄₂	1997 03 12.33820	10 01 11.37	+10 14 47.1		704
1997 EM ₄₂	1997 03 11.29153	10 00 55.77	+09 20 38.1	18.9 V	704	1997 EW ₄₂	* 1997 03 10.25418	10 04 48.63	+10 09 58.2	18.0 V	704
1997 EM ₄₂	1997 03 11.39339	10 00 51.46	+09 20 48.7		704	1997 EW ₄₂	1997 03 10.33398	10 04 45.61	+10 10 28.9		704
1997 EM ₄₂	1997 03 12.23279	10 00 15.93	+09 22 15.1	19.2 V	704	1997 EW ₄₂	1997 03 11.29611	10 04 10.19	+10 16 41.2		704
1997 EM ₄₂	1997 03 12.33464	10 00 11.43	+09 22 25.4		704	1997 EW ₄₂	1997 03 11.39797	10 04 06.40	+10 17 21.4		704
1997 EN ₄₂	* 1997 03 10.24886	10 01 41.67	+09 19 37.9	19.0 V	704	1997 EX ₄₂	* 1997 03 10.25418	10 06 21.29	+10 00 59.3	18.5 V	704
1997 EN ₄₂	1997 03 10.35475	10 01 37.21	+09 20 37.5		704	1997 EX ₄₂	1997 03 10.33398	10 06 17.08	+10 01 05.9		704
1997 EN ₄₂	1997 03 11.29153	10 01 00.25	+09 29 15.9	18.8 V	704	1997 EX ₄₂	1997 03 11.29611	10 05 27.71	+10 02 37.3		704
1997 EN ₄₂	1997 03 11.39339	10 00 56.07	+09 30 10.4		704	1997 EX ₄₂	1997 03 11.39797	10 05 22.37	+10 02 46.0		704
1997 EN ₄₂	1997 03 12.23279	10 00 24.15	+09 37 50.2	19.4 V	704	1997 EX ₄₂	1997 03 12.23737	10 04 40.21	+10 04 02.8	18.2 V	704
1997 EN ₄₂	1997 03 12.33464	10 00 20.17	+09 38 43.5		704	1997 EX ₄₂	1997 03 12.33922	10 04 34.96	+10 04 11.2		704
1997 EO ₄₂	* 1997 03 10.24886	10 02 15.70	+09 19 09.4	19.0 V	704	1997 EY ₄₂	* 1997 03 10.25632	09 56 40.73	+06 04 55.2	19.3 V	704
1997 EO ₄₂	1997 03 10.35475	10 02 10.02	+09 19 40.7		704	1997 EY ₄₂	1997 03 10.33612	09 56 37.04	+06 05 23.2		704
1997 EO ₄₂	1997 03 12.23279	10 00 34.23	+09 29 19.1	19.8 V	704	1997 EY ₄₂	1997 03 12.21394	09 55 17.96	+06 16 05.6	18.6 V	704
1997 EO ₄₂	1997 03 12.33464	10 00 28.93	+09 29 50.7		704	1997 EY ₄₂	1997 03 12.28934	09 55 14.66	+06 16 30.4		704
1997 EP ₄₂	* 1997 03 10.24886	10 02 53.41	+09 27 34.8	18.3 V	704	1997 EZ ₄₂	* 1997 03 10.25632	09 57 07.83	+06 06 22.8	18.7 V	704
1997 EP ₄₂	1997 03 10.35475	10 02 47.93	+09 28 03.5		704	1997 EZ ₄₂	1997 03 10.33612	09 57 03.99	+06 06 26.5		704
1997 EP ₄₂	1997 03 11.29102	10 02 01.14	+09 32 16.7	18.0 V	704	1997 EZ ₄₂	1997 03 11.27319	09 56 21.75	+06 07 18.7	18.8 V	704

1997 EZ ₄₂	1997 03 11.37456	09 56 17.08	+06 07 23.9		704	1997 EL ₄₃	1997 03 11.37507	09 59 29.86	+05 42 20.0		704
1997 EZ ₄₂	1997 03 12.21394	09 55 41.11	+06 08 09.0	19.0 V	704	1997 EL ₄₃	1997 03 12.21496	09 58 54.86	+05 46 23.6		704
1997 EZ ₄₂	1997 03 12.28934	09 55 37.66	+06 08 11.7		704	1997 EL ₄₃	1997 03 12.31681	09 58 50.49	+05 46 53.2		704
1997 EA ₄₃	* 1997 03 10.25685	10 00 47.73	+06 13 59.9	19.5 V	704	1997 EM ₄₃	* 1997 03 11.27421	10 02 29.99	+06 09 35.0		704
1997 EA ₄₃	1997 03 10.33665	10 00 43.80	+06 14 17.8		704	1997 EM ₄₃	1997 03 11.37557	10 02 25.63	+06 10 09.9		704
1997 EA ₄₃	1997 03 11.27370	09 59 59.23	+06 17 45.7		704	1997 EM ₄₃	1997 03 12.21547	10 01 51.52	+06 14 51.3		704
1997 EA ₄₃	1997 03 11.37507	09 59 54.34	+06 18 07.7		704	1997 EM ₄₃	1997 03 12.31732	10 01 47.23	+06 15 25.0		704
1997 EB ₄₃	* 1997 03 10.25898	10 08 08.00	+06 43 08.6	19.7 V	704	1997 EN ₄₃	* 1997 03 11.27421	10 03 24.22	+05 58 15.3		704
1997 EB ₄₃	1997 03 10.33877	10 08 04.25	+06 43 34.3		704	1997 EN ₄₃	1997 03 11.37557	10 03 20.02	+05 59 03.5		704
1997 EB ₄₃	1997 03 11.27574	10 07 22.13	+06 48 20.7		704	1997 EN ₄₃	1997 03 12.24094	10 02 46.71	+06 05 55.8		704
1997 EB ₄₃	1997 03 11.37710	10 07 17.52	+06 48 48.2		704	1997 EN ₄₃	1997 03 12.31732	10 02 43.62	+06 06 31.9		704
1997 EC ₄₃	* 1997 03 10.25898	10 08 23.20	+06 58 02.4	19.1 V	704	1997 EO ₄₃	* 1997 03 11.27523	10 08 01.32	+06 08 32.4		704
1997 EC ₄₃	1997 03 10.33877	10 08 19.66	+06 58 18.5		704	1997 EO ₄₃	1997 03 11.37659	10 07 56.58	+06 09 03.6		704
1997 EC ₄₃	1997 03 11.28236	10 07 38.84	+07 01 23.8	19.1 V	704	1997 EO ₄₃	1997 03 12.21649	10 07 19.21	+06 13 13.0		704
1997 EC ₄₃	1997 03 11.38422	10 07 34.37	+07 01 44.2		704	1997 EO ₄₃	1997 03 12.31834	10 07 14.62	+06 13 43.8		704
1997 ED ₄₃	* 1997 03 10.26218	09 52 42.15	+06 51 44.7	18.9 V	704	1997 EP ₄₃	* 1997 03 11.27574	10 08 35.26	+06 34 40.9		704
1997 ED ₄₃	1997 03 10.34196	09 52 39.01	+06 52 01.3		704	1997 EP ₄₃	1997 03 11.37710	10 08 30.53	+06 35 07.4		704
1997 ED ₄₃	1997 03 11.27879	09 52 02.36	+06 55 06.4	19.2 V	704	1997 EP ₄₃	1997 03 12.21700	10 07 53.77	+06 38 45.6	18.8 V	704
1997 ED ₄₃	1997 03 11.38066	09 51 58.37	+06 55 27.3		704	1997 EP ₄₃	1997 03 12.31885	10 07 49.08	+06 39 12.1		704
1997 EE ₄₃	* 1997 03 10.26271	09 53 07.46	+07 34 41.1	18.8 V	704	1997 EQ ₄₃	* 1997 03 11.27726	10 00 27.72	+06 47 18.2	19.1 V	704
1997 EE ₄₃	1997 03 10.34250	09 53 04.85	+07 35 17.4		704	1997 EQ ₄₃	1997 03 11.37913	10 00 22.12	+06 47 42.7		704
1997 EE ₄₃	1997 03 12.22718	09 52 08.35	+07 49 52.0	18.8 V	704	1997 EQ ₄₃	1997 03 12.21853	09 59 36.58	+06 51 02.9	18.9 V	704
1997 EE ₄₃	1997 03 12.32904	09 52 05.16	+07 50 37.6		704	1997 EQ ₄₃	1997 03 12.32038	09 59 30.97	+06 51 28.8		704
1997 EF ₄₃	* 1997 03 10.26910	09 54 31.17	+08 01 01.4	18.5 V	704	1997 ER ₄₃	* 1997 03 11.27777	09 56 14.59	+06 49 29.7	18.9 V	704
1997 EF ₄₃	1997 03 10.34889	09 54 26.84	+08 01 09.7		704	1997 ER ₄₃	1997 03 11.37964	09 56 09.22	+06 49 56.7		704
1997 EF ₄₃	1997 03 11.28541	09 53 38.60	+08 02 54.4	18.5 V	704	1997 ER ₄₃	1997 03 12.21954	09 55 28.62	+06 53 43.5	18.7 V	704
1997 EF ₄₃	1997 03 11.38728	09 53 33.26	+08 03 06.1		704	1997 ER ₄₃	1997 03 12.29544	09 55 24.72	+06 54 04.6		704
1997 EF ₄₃	1997 03 12.22718	09 52 51.71	+08 04 35.5	18.9 V	704	1997 ES ₄₃	* 1997 03 11.27777	09 58 06.47	+06 46 45.0	19.2 V	704
1997 EF ₄₃	1997 03 12.32904	09 52 46.40	+08 04 46.4		704	1997 ES ₄₃	1997 03 11.37964	09 58 02.70	+06 47 16.4		704
1997 EG ₄₃	* 1997 03 10.26910	09 54 47.15	+08 17 01.3	18.9 V	704	1997 ES ₄₃	1997 03 12.21904	09 57 32.34	+06 51 44.6	18.5 V	704
1997 EG ₄₃	1997 03 10.34889	09 54 44.27	+08 17 32.3		704	1997 ES ₄₃	1997 03 12.32089	09 57 28.59	+06 52 16.0		704
1997 EG ₄₃	1997 03 11.28694	09 54 10.75	+08 23 46.9	18.6 V	704	1997 ET ₄₃	* 1997 03 11.27777	09 58 29.77	+06 39 10.2	19.1 V	704
1997 EG ₄₃	1997 03 11.36334	09 54 07.91	+08 24 18.2		704	1997 ET ₄₃	1997 03 11.37964	09 58 25.50	+06 39 26.5		704
1997 EG ₄₃	1997 03 12.22820	09 53 38.00	+08 29 57.9	18.7 V	704	1997 ET ₄₃	1997 03 12.21904	09 57 50.70	+06 41 39.4	18.8 V	704
1997 EG ₄₃	1997 03 12.33005	09 53 34.31	+08 30 39.0		704	1997 ET ₄₃	1997 03 12.32089	09 57 46.30	+06 41 55.1		704
1997 EH ₄₃	* 1997 03 10.26910	09 54 54.61	+07 58 40.4	18.5 V	704	1997 EU ₄₃	* 1997 03 11.27879	09 52 35.02	+06 42 07.0	19.2 V	704
1997 EH ₄₃	1997 03 10.34889	09 54 51.48	+07 59 27.3		704	1997 EU ₄₃	1997 03 11.38066	09 52 30.08	+06 42 39.2		704
1997 EH ₄₃	1997 03 11.28541	09 54 16.92	+08 08 34.2	18.8 V	704	1997 EU ₄₃	1997 03 12.22005	09 51 51.59	+06 47 11.6	18.8 V	704
1997 EH ₄₃	1997 03 11.38728	09 54 13.22	+08 09 33.6		704	1997 EU ₄₃	1997 03 12.32191	09 51 46.76	+06 47 45.4		704
1997 EH ₄₃	1997 03 12.22667	09 53 43.51	+08 17 40.9	17.9 V	704	1997 EV ₄₃	* 1997 03 11.27879	09 52 49.41	+06 40 15.4	19.4 V	704
1997 EH ₄₃	1997 03 12.32853	09 53 39.77	+08 18 40.5		704	1997 EV ₄₃	1997 03 11.35469	09 52 45.76	+06 40 24.6		704
1997 EJ ₄₃	* 1997 03 10.27070	09 53 52.44	+08 36 31.5	18.7 V	704	1997 EV ₄₃	1997 03 12.22005	09 52 04.27	+06 42 12.5	19.3 V	704
1997 EJ ₄₃	1997 03 10.35049	09 53 48.10	+08 36 28.2		704	1997 EV ₄₃	1997 03 12.29595	09 52 00.56	+06 42 23.5		704
1997 EJ ₄₃	1997 03 11.28643	09 52 58.98	+08 36 00.1	18.3 V	704	1997 EW ₄₃	* 1997 03 11.27981	09 55 04.16	+07 27 02.6	18.9 V	704
1997 EJ ₄₃	1997 03 11.38829	09 52 53.46	+08 35 56.1		704	1997 EW ₄₃	1997 03 11.38167	09 55 00.05	+07 27 39.9		704
1997 EJ ₄₃	1997 03 12.22769	09 52 11.33	+08 35 27.7	18.3 V	704	1997 EW ₄₃	1997 03 12.22107	09 54 27.87	+07 32 45.1	18.6 V	704
1997 EJ ₄₃	1997 03 12.32955	09 52 05.90	+08 35 23.3		704	1997 EW ₄₃	1997 03 12.32292	09 54 23.83	+07 33 22.6		704
1997 EK ₄₃	* 1997 03 11.27319	09 57 49.48	+06 03 56.8	19.5 V	704	1997 EX ₄₃	* 1997 03 11.28083	10 00 39.51	+07 31 22.3	19.3 V	704
1997 EK ₄₃	1997 03 11.37456	09 57 44.95	+06 04 43.2		704	1997 EX ₄₃	1997 03 11.38269	10 00 36.04	+07 32 00.6		704
1997 EK ₄₃	1997 03 12.21445	09 57 10.25	+06 11 25.3	19.3 V	704	1997 EX ₄₃	1997 03 12.22209	10 00 08.34	+07 37 11.4	19.6 V	704
1997 EK ₄₃	1997 03 12.28985	09 57 07.06	+06 12 01.0		704	1997 EX ₄₃	1997 03 12.29798	10 00 05.78	+07 37 38.5		704
1997 EL ₄₃	* 1997 03 11.27370	09 59 34.33	+05 41 50.3		704	1997 EY ₄₃	* 1997 03 11.28185	10 04 23.14	+07 26 35.8	19.2 V	704

1997 EY ₄₃	1997 03 11.38371	10 04 18.35	+07 27 21.7		704	1997 EM ₄₄	1997 03 11.38779	09 52 25.69	+07 54 52.6		704
1997 EY ₄₃	1997 03 12.22260	10 03 40.77	+07 33 42.3	19.3 V	704	1997 EM ₄₄	1997 03 12.22718	09 51 55.45	+08 00 55.9	18.9 V	704
1997 EY ₄₃	1997 03 12.29849	10 03 37.23	+07 34 18.2		704	1997 EM ₄₄	1997 03 12.32904	09 51 51.47	+08 01 39.9		704
1997 EZ ₄₃	* 1997 03 11.28287	10 08 53.90	+07 52 59.4		704	1997 EN ₄₄	* 1997 03 11.28694	09 54 10.01	+08 42 07.5	18.7 V	704
1997 EZ ₄₃	1997 03 11.38473	10 08 50.30	+07 54 13.0		704	1997 EN ₄₄	1997 03 11.38880	09 54 05.72	+08 42 36.4		704
1997 EZ ₄₃	1997 03 12.24959	10 08 22.17	+08 04 25.6	19.4 V	704	1997 EN ₄₄	1997 03 12.22820	09 53 32.51	+08 46 28.2	18.8 V	704
1997 EZ ₄₃	1997 03 12.32598	10 08 19.54	+08 05 18.8		704	1997 EN ₄₄	1997 03 12.30409	09 53 29.32	+08 46 49.8		704
1997 EA ₄₄	* 1997 03 11.28287	10 09 05.29	+07 41 32.0		704	1997 EO ₄₄	* 1997 03 11.28694	09 55 10.11	+08 51 35.7	17.0 V	704
1997 EA ₄₄	1997 03 11.38473	10 09 00.51	+07 41 44.8		704	1997 EO ₄₄	1997 03 11.38880	09 55 04.97	+08 51 48.0		704
1997 EA ₄₄	1997 03 12.22413	10 08 22.95	+07 43 36.0	18.0 V	704	1997 EO ₄₄	1997 03 12.22820	09 54 25.68	+08 53 29.6	16.8 V	704
1997 EA ₄₄	1997 03 12.32598	10 08 18.26	+07 43 50.0		704	1997 EO ₄₄	1997 03 12.33005	09 54 20.58	+08 53 41.4		704
1997 EB ₄₄	* 1997 03 11.28338	10 05 05.24	+08 16 57.9	19.2 V	704	1997 EP ₄₄	* 1997 03 11.28847	10 01 28.33	+08 22 49.0	18.0 V	704
1997 EB ₄₄	1997 03 11.38524	10 05 00.90	+08 17 32.1		704	1997 EP ₄₄	1997 03 11.39033	10 01 23.72	+08 23 38.7		704
1997 EB ₄₄	1997 03 12.25570	10 04 26.21	+08 22 15.6	19.3 V	704	1997 EP ₄₄	1997 03 12.22922	10 00 47.81	+08 30 25.2	18.2 V	704
1997 EB ₄₄	1997 03 12.33209	10 04 23.11	+08 22 40.9		704	1997 EP ₄₄	1997 03 12.33107	10 00 43.25	+08 31 13.8		704
1997 EC ₄₄	* 1997 03 11.28338	10 06 10.10	+08 10 24.6	19.2 V	704	1997 EQ ₄₄	* 1997 03 11.28949	10 08 38.81	+08 49 32.2		704
1997 EC ₄₄	1997 03 11.38524	10 06 05.46	+08 10 59.6		704	1997 EQ ₄₄	1997 03 11.39135	10 08 33.19	+08 49 39.1		704
1997 EC ₄₄	1997 03 12.25010	10 05 27.14	+08 16 03.2	19.5 V	704	1997 EQ ₄₄	1997 03 12.23075	10 07 49.77	+08 50 35.4	18.8 V	704
1997 EC ₄₄	1997 03 12.32649	10 05 23.58	+08 16 28.8		704	1997 EQ ₄₄	1997 03 12.33260	10 07 44.19	+08 50 43.0		704
1997 ED ₄₄	* 1997 03 11.28389	10 01 29.06	+07 45 20.6	18.6 V	704	1997 ER ₄₄	* 1997 03 11.29051	10 04 08.54	+09 11 52.1		704
1997 ED ₄₄	1997 03 11.38575	10 01 23.68	+07 45 57.4		704	1997 ER ₄₄	1997 03 11.39237	10 04 04.66	+09 12 44.9		704
1997 ED ₄₄	1997 03 12.22566	10 00 41.69	+07 50 45.3		704	1997 ER ₄₄	1997 03 12.23228	10 03 35.68	+09 19 56.8	18.8 V	704
1997 ED ₄₄	1997 03 12.32751	10 00 36.38	+07 51 19.5		704	1997 ER ₄₄	1997 03 12.33413	10 03 31.86	+09 20 47.5		704
1997 EE ₄₄	* 1997 03 11.28389	10 02 14.54	+07 53 05.6	19.4 V	704	1997 ES ₄₄	* 1997 03 11.29051	10 05 16.98	+09 29 37.3		704
1997 EE ₄₄	1997 03 11.38575	10 02 10.00	+07 53 16.7		704	1997 ES ₄₄	1997 03 11.39237	10 05 12.36	+09 30 04.3		704
1997 EE ₄₄	1997 03 12.22515	10 01 34.61	+07 54 50.1	19.3 V	704	1997 ES ₄₄	1997 03 12.23177	10 04 35.48	+09 33 30.0	19.2 V	704
1997 EE ₄₄	1997 03 12.30104	10 01 31.22	+07 54 58.8		704	1997 ES ₄₄	1997 03 12.33362	10 04 30.95	+09 33 55.3		704
1997 EF ₄₄	* 1997 03 11.28389	10 02 15.00	+08 17 49.2	17.7 V	704	1997 ET ₄₄	* 1997 03 11.29102	10 02 12.63	+09 24 14.4	19.0 V	704
1997 EF ₄₄	1997 03 11.38575	10 02 10.80	+08 18 21.7		704	1997 ET ₄₄	1997 03 11.39288	10 02 08.57	+09 24 50.9		704
1997 EF ₄₄	1997 03 12.22973	10 01 37.77	+08 22 47.3	18.3 V	704	1997 ET ₄₄	1997 03 12.23228	10 01 37.22	+09 29 50.8	19.4 V	704
1997 EF ₄₄	1997 03 12.33158	10 01 33.64	+08 23 19.2		704	1997 ET ₄₄	1997 03 12.33413	10 01 33.38	+09 30 26.7		704
1997 EG ₄₄	* 1997 03 11.28440	10 00 55.59	+08 09 24.5		704	1997 EU ₄₄	* 1997 03 11.29102	10 02 41.22	+09 11 06.4	19.1 V	704
1997 EG ₄₄	1997 03 11.38626	10 00 51.98	+08 09 58.2		704	1997 EU ₄₄	1997 03 11.39288	10 02 35.99	+09 11 40.7		704
1997 EG ₄₄	1997 03 12.22566	10 00 22.82	+08 14 45.3		704	1997 EU ₄₄	1997 03 12.23228	10 01 55.19	+09 16 21.4	18.9 V	704
1997 EG ₄₄	1997 03 12.32751	10 00 19.21	+08 15 18.3		704	1997 EU ₄₄	1997 03 12.33413	10 01 50.12	+09 16 55.1		704
1997 EH ₄₄	* 1997 03 11.28490	09 57 06.18	+08 12 14.9	18.7 V	704	1997 EV ₄₄	* 1997 03 11.29102	10 03 36.53	+09 29 40.2	19.0 V	704
1997 EH ₄₄	1997 03 11.38677	09 57 02.17	+08 12 41.3		704	1997 EV ₄₄	1997 03 11.39288	10 03 31.96	+09 30 29.6		704
1997 EH ₄₄	1997 03 12.22617	09 56 32.25	+08 16 11.7	18.8 V	704	1997 EV ₄₄	1997 03 12.23228	10 02 57.40	+09 37 25.2	18.9 V	704
1997 EH ₄₄	1997 03 12.32802	09 56 28.38	+08 16 36.5		704	1997 EV ₄₄	1997 03 12.33413	10 02 52.99	+09 38 15.7		704
1997 EJ ₄₄	* 1997 03 11.28541	09 54 25.91	+08 03 43.8	18.7 V	704	1997 EW ₄₄	* 1997 03 11.29153	09 59 49.37	+09 25 43.7	18.3 V	704
1997 EJ ₄₄	1997 03 11.38728	09 54 21.69	+08 04 28.8		704	1997 EW ₄₄	1997 03 11.39339	09 59 45.09	+09 26 12.0		704
1997 EJ ₄₄	1997 03 12.22667	09 53 48.50	+08 10 35.0	18.8 V	704	1997 EW ₄₄	1997 03 12.23279	09 59 10.74	+09 30 01.1	19.3 V	704
1997 EJ ₄₄	1997 03 12.32853	09 53 44.31	+08 11 17.7		704	1997 EW ₄₄	1997 03 12.33464	09 59 06.46	+09 30 27.5		704
1997 EK ₄₄	* 1997 03 11.28541	09 54 54.95	+08 08 31.1	18.8 V	704	1997 EX ₄₄	* 1997 03 11.29153	10 00 12.41	+09 23 41.5	18.7 V	704
1997 EK ₄₄	1997 03 11.38728	09 54 50.46	+08 08 41.4		704	1997 EX ₄₄	1997 03 11.39339	10 00 07.11	+09 24 01.9		704
1997 EK ₄₄	1997 03 12.22667	09 54 15.93	+08 10 09.7	18.5 V	704	1997 EX ₄₄	1997 03 12.23279	09 59 26.39	+09 26 48.3	19.0 V	704
1997 EK ₄₄	1997 03 12.32853	09 54 11.52	+08 10 19.9		704	1997 EX ₄₄	1997 03 12.33464	09 59 21.35	+09 27 09.1		704
1997 EL ₄₄	* 1997 03 11.28592	09 51 59.31	+08 00 34.0	18.7 V	704	1997 EY ₄₄	* 1997 03 11.29153	10 00 41.74	+09 24 56.3	17.5 V	704
1997 EL ₄₄	1997 03 11.38779	09 51 55.03	+08 00 53.2		704	1997 EY ₄₄	1997 03 11.39339	10 00 37.86	+09 25 42.6		704
1997 EL ₄₄	1997 03 12.22718	09 51 22.06	+08 03 35.2	18.6 V	704	1997 EY ₄₄	1997 03 12.23279	10 00 08.81	+09 32 09.3	18.4 V	704
1997 EL ₄₄	1997 03 12.32904	09 51 17.79	+08 03 55.2		704	1997 EY ₄₄	1997 03 12.33464	10 00 05.07	+09 32 54.5		704
1997 EM ₄₄	* 1997 03 11.28592	09 52 29.78	+07 54 07.4	18.5 V	704	1997 EZ ₄₄	* 1997 03 11.29203	09 58 13.46	+09 31 49.4		704

1997 EZ ₄₄	1997 03 11.39390	09 58 08.41	+09 31 46.9		704	1997 EN ₄₅	1997 03 11.39746	10 03 17.62	+10 02 45.1		704
1997 EZ ₄₄	1997 03 12.23330	09 57 30.40	+09 31 34.9	18.8 V	704	1997 EN ₄₅	1997 03 12.23686	10 02 39.55	+10 05 46.5	18.8 V	704
1997 EZ ₄₄	1997 03 12.33515	09 57 25.50	+09 31 33.3		704	1997 EN ₄₅	1997 03 12.33871	10 02 34.87	+10 06 08.0		704
1997 EA ₄₅	* 1997 03 11.29254	09 53 36.51	+09 06 43.1	18.8 V	704	1997 EO ₄₅	* 1997 03 11.29611	10 04 41.89	+09 55 52.5		704
1997 EA ₄₅	1997 03 11.39441	09 53 31.25	+09 07 07.2		704	1997 EO ₄₅	1997 03 11.39797	10 04 37.83	+09 56 15.4		704
1997 EA ₄₅	1997 03 12.23431	09 52 50.05	+09 10 18.0	18.9 V	704	1997 EO ₄₅	1997 03 12.23737	10 04 04.95	+09 59 32.5	19.5 V	704
1997 EA ₄₅	1997 03 12.33617	09 52 45.03	+09 10 37.4		704	1997 EO ₄₅	1997 03 12.31426	10 04 02.00	+09 59 48.1		704
1997 EB ₄₅	* 1997 03 11.29356	09 51 40.97	+10 02 22.5	18.8 V	704	1997 EP ₄₅	* 1997 03 11.29611	10 05 01.11	+09 45 25.6		704
1997 EB ₄₅	1997 03 11.39543	09 51 37.72	+10 03 17.0		704	1997 EP ₄₅	1997 03 11.39797	10 04 56.73	+09 45 56.1		704
1997 EB ₄₅	1997 03 12.23482	09 51 12.52	+10 10 50.9	18.9 V	704	1997 EP ₄₅	1997 03 12.23737	10 04 22.71	+09 50 13.0	19.0 V	704
1997 EB ₄₅	1997 03 12.33668	09 51 09.37	+10 11 45.8		704	1997 EP ₄₅	1997 03 12.31426	10 04 19.52	+09 50 38.5		704
1997 EC ₄₅	* 1997 03 11.29356	09 51 52.06	+09 56 58.6	18.9 V	704	1997 EQ ₄₅	* 1997 03 11.29611	10 05 49.49	+10 14 03.1		704
1997 EC ₄₅	1997 03 11.39543	09 51 47.15	+09 57 44.6		704	1997 EQ ₄₅	1997 03 11.39797	10 05 44.06	+10 14 24.6		704
1997 EC ₄₅	1997 03 12.23482	09 51 09.16	+10 03 55.8	18.5 V	704	1997 EQ ₄₅	1997 03 12.23737	10 05 01.33	+10 17 29.1	18.8 V	704
1997 EC ₄₅	1997 03 12.33668	09 51 04.35	+10 04 40.4		704	1997 EQ ₄₅	1997 03 12.33922	10 04 55.94	+10 17 51.9		704
1997 ED ₄₅	* 1997 03 11.29356	09 52 40.35	+09 50 05.3	17.3 V	704	1997 ER ₄₅	* 1997 03 11.29662	10 07 09.25	+10 12 52.7		704
1997 ED ₄₅	1997 03 11.39543	09 52 35.98	+09 50 23.4		704	1997 ER ₄₅	1997 03 11.39848	10 07 03.23	+10 12 55.2		704
1997 ED ₄₅	1997 03 12.23482	09 52 02.78	+09 52 51.7	17.3 V	704	1997 ER ₄₅	1997 03 12.23737	10 06 16.28	+10 13 13.9	18.7 V	704
1997 ED ₄₅	1997 03 12.33668	09 51 58.58	+09 53 09.2		704	1997 ER ₄₅	1997 03 12.33922	10 06 10.44	+10 13 15.0		704
1997 EE ₄₅	* 1997 03 11.29356	09 53 16.26	+10 05 16.2	19.1 V	704	1997 ES ₄₅	* 1997 03 11.29662	10 08 58.71	+10 05 48.4		704
1997 EE ₄₅	1997 03 11.39543	09 53 11.63	+10 05 42.4		704	1997 ES ₄₅	1997 03 11.39848	10 08 53.81	+10 06 21.4		704
1997 EE ₄₅	1997 03 12.23482	09 52 35.81	+10 09 23.6	18.6 V	704	1997 ES ₄₅	1997 03 12.23788	10 08 15.07	+10 10 46.8		704
1997 EE ₄₅	1997 03 12.33668	09 52 31.31	+10 09 49.7		704	1997 ES ₄₅	1997 03 12.33973	10 08 10.29	+10 11 19.3		704
1997 EF ₄₅	* 1997 03 11.29407	09 54 32.32	+09 47 22.4	19.2 V	704	1997 ET ₄₅	* 1997 03 11.30324	09 58 23.02	+06 46 39.9	19.5 V	704
1997 EF ₄₅	1997 03 11.39593	09 54 28.08	+09 47 52.1		704	1997 ET ₄₅	1997 03 11.37964	09 58 18.71	+06 46 47.3		704
1997 EF ₄₅	1997 03 12.23533	09 53 54.59	+09 51 45.3	19.0 V	704	1997 ET ₄₅	1997 03 12.21904	09 57 33.33	+06 48 03.4	18.8 V	704
1997 EF ₄₅	1997 03 12.33718	09 53 50.45	+09 52 13.2		704	1997 ET ₄₅	1997 03 12.29493	09 57 29.10	+06 48 09.5		704
1997 EG ₄₅	* 1997 03 11.29407	09 54 43.70	+10 01 15.4	18.5 V	704	1997 EU ₄₅	* 1997 03 11.30527	09 54 22.81	+07 12 59.9	18.9 V	704
1997 EG ₄₅	1997 03 11.39593	09 54 38.83	+10 01 49.9		704	1997 EU ₄₅	1997 03 11.38167	09 54 19.61	+07 13 17.2		704
1997 EG ₄₅	1997 03 12.23533	09 54 00.76	+10 06 34.4	18.5 V	704	1997 EU ₄₅	1997 03 12.22107	09 53 46.35	+07 16 24.6	19.0 V	704
1997 EG ₄₅	1997 03 12.33718	09 53 56.00	+10 07 08.4		704	1997 EU ₄₅	1997 03 12.29697	09 53 43.11	+07 16 42.5		704
1997 EH ₄₅	* 1997 03 11.29407	09 55 16.51	+09 58 55.0	18.8 V	704	1997 EV ₄₅	* 1997 03 11.31190	09 51 39.84	+08 40 54.8	19.2 V	704
1997 EH ₄₅	1997 03 11.39593	09 55 13.18	+09 59 54.2		704	1997 EV ₄₅	1997 03 11.38829	09 51 36.95	+08 41 15.0		704
1997 EH ₄₅	1997 03 12.23533	09 54 47.10	+10 07 56.7	18.6 V	704	1997 EV ₄₅	1997 03 12.22769	09 51 06.15	+08 45 20.9	18.5 V	704
1997 EH ₄₅	1997 03 12.33718	09 54 43.83	+10 08 54.8		704	1997 EV ₄₅	1997 03 12.30359	09 51 03.24	+08 45 43.5		704
1997 EJ ₄₅	* 1997 03 11.29458	09 56 50.75	+09 53 34.0	19.3 V	704	1997 EB ₄₆	* 1997 03 11.27726	10 01 14.74	+06 37 42.3	19.4 V	704
1997 EJ ₄₅	1997 03 11.39644	09 56 46.61	+09 54 05.9		704	1997 EB ₄₆	1997 03 11.37913	10 01 09.29	+06 37 42.2		704
1997 EJ ₄₅	1997 03 12.23584	09 56 15.10	+09 58 15.9	19.2 V	704	1997 EB ₄₆	1997 03 12.21853	10 00 27.70	+06 37 35.6	19.0 V	704
1997 EJ ₄₅	1997 03 12.33769	09 56 11.14	+09 58 45.4		704	1997 EB ₄₆	1997 03 12.29442	10 00 23.70	+06 37 36.5		704
1997 EK ₄₅	* 1997 03 11.29458	09 57 16.67	+09 54 30.9	19.5 V	704	1997 ED ₄₆	* 1997 03 05.16014	09 25 06.24	+17 09 42.3		704
1997 EK ₄₅	1997 03 11.39644	09 57 12.87	+09 55 00.4		704	1997 ED ₄₆	1997 03 05.30516	09 25 00.55	+17 10 02.9		704
1997 EK ₄₅	1997 03 12.23584	09 56 42.55	+09 58 52.4	19.2 V	704	1997 ED ₄₆	1997 03 06.15997	09 24 28.59	+17 12 09.9		704
1997 EK ₄₅	1997 03 12.33769	09 56 38.73	+09 59 22.6		704	1997 ED ₄₆	1997 03 06.30506	09 24 23.02	+17 12 30.3		704
1997 EL ₄₅	* 1997 03 11.29458	09 57 43.96	+10 11 27.9	19.3 V	704	1997 FY ₁	1997 03 31.36557	13 00 02.19	-07 12 58.1	18.7 V	704
1997 EL ₄₅	1997 03 11.39644	09 57 38.42	+10 11 44.9		704	1997 FY ₁	1997 03 31.43123	12 59 58.24	-07 12 52.4		704
1997 EL ₄₅	1997 03 12.23584	09 56 55.24	+10 14 09.0	19.2 V	704	1997 FY ₁	1997 04 03.28453	12 57 08.35	-07 09 06.3	18.3 V	704
1997 EL ₄₅	1997 03 12.33769	09 56 49.94	+10 14 27.1		704	1997 FY ₁	1997 04 03.39882	12 57 01.24	-07 08 55.6		704
1997 EM ₄₅	* 1997 03 11.29509	09 59 58.11	+10 06 32.2		704	1997 FY ₁	1997 04 05.23248	12 55 10.89	-07 06 22.3	18.1 V	704
1997 EM ₄₅	1997 03 11.39695	09 59 53.88	+10 06 57.8		704	1997 FY ₁	1997 04 05.35804	12 55 03.12	-07 06 11.3		704
1997 EM ₄₅	1997 03 12.23635	09 59 20.38	+10 10 22.8		704	1997 FY ₁	1997 04 06.15488	12 54 15.18	-07 05 02.1	18.5 V	704
1997 EM ₄₅	1997 03 12.33820	09 59 16.24	+10 10 47.4		704	1997 FY ₁	1997 04 06.22193	12 54 10.93	-07 04 56.1		704
1997 EN ₄₅	* 1997 03 11.29560	10 03 22.44	+10 02 23.8		704	1997 FY ₁	1997 04 07.14278	12 53 15.26	-07 03 35.8	18.7 V	704

1997 FY ₁	1997 04 07.22123	12 53 10.42	-07 03 30.0		704	1997 FO ₂	1997 04 06.23681	12 46 52.06	-02 43 28.3		704
1997 FC ₂	* 1997 03 31.13354	08 36 10.04	+14 25 43.7	18.0 V	704	1997 FP ₂	* 1997 03 31.32933	12 49 39.00	-04 21 11.1	17.7 V	704
1997 FC ₂	1997 03 31.22072	08 36 12.32	+14 26 04.8		704	1997 FP ₂	1997 03 31.41650	12 49 35.08	-04 20 29.7		704
1997 FC ₂	1997 04 01.19035	08 36 39.51	+14 29 41.2	17.9 V	704	1997 FP ₂	1997 04 03.27647	12 47 30.64	-03 57 58.1	19.2 V	704
1997 FC ₂	1997 04 01.25467	08 36 41.28	+14 29 55.2		704	1997 FP ₂	1997 04 03.39079	12 47 25.42	-03 57 04.7		704
1997 FD ₂	* 1997 03 31.13378	08 34 38.08	+15 08 26.4	18.2 V	704	1997 FQ ₂	* 1997 03 31.32933	12 50 19.87	-04 20 29.5	18.9 V	704
1997 FD ₂	1997 03 31.22096	08 34 40.13	+15 08 48.6		704	1997 FQ ₂	1997 03 31.41650	12 50 16.19	-04 19 45.3		704
1997 FD ₂	1997 04 01.18606	08 35 04.55	+15 12 53.5	17.7 V	704	1997 FQ ₂	1997 04 03.27647	12 48 22.03	-03 54 46.0	19.2 V	704
1997 FD ₂	1997 04 01.25038	08 35 06.15	+15 13 09.7		704	1997 FQ ₂	1997 04 03.39079	12 48 17.21	-03 53 46.3		704
1997 FE ₂	* 1997 03 31.13547	08 35 31.95	+19 15 28.6	17.8 V	704	1997 FR ₂	* 1997 03 31.32957	12 50 21.90	-05 15 33.6	18.4 V	704
1997 FE ₂	1997 03 31.22265	08 35 32.11	+19 15 06.6		704	1997 FR ₂	1997 03 31.41674	12 50 15.80	-05 15 15.0		704
1997 FE ₂	1997 04 01.18732	08 35 36.48	+19 11 36.4	18.5 V	704	1997 FR ₂	1997 04 03.27615	12 47 01.98	-05 06 17.0	18.6 V	704
1997 FE ₂	1997 04 01.25164	08 35 36.61	+19 11 20.0		704	1997 FR ₂	1997 04 03.39048	12 46 54.04	-05 05 55.4		704
1997 FF ₂	* 1997 03 31.13692	08 37 44.74	+21 08 19.3	18.0 V	704	1997 FS ₂	* 1997 03 31.32981	12 50 37.09	-05 36 13.9	18.8 V	704
1997 FF ₂	1997 03 31.22409	08 37 46.56	+21 08 12.4		704	1997 FS ₂	1997 03 31.39526	12 50 34.37	-05 35 49.0		704
1997 FF ₂	1997 04 01.18839	08 38 09.42	+21 07 14.4	18.0 V	704	1997 FS ₂	1997 04 03.27615	12 48 34.36	-05 16 19.0	19.7 V	704
1997 FF ₂	1997 04 01.25270	08 38 11.04	+21 07 09.5		704	1997 FS ₂	1997 04 03.39048	12 48 29.42	-05 15 33.2		704
1997 FG ₂	* 1997 03 31.14417	08 41 23.62	+20 02 05.2	17.6 V	704	1997 FS ₂	1997 04 05.25684	12 47 11.84	-05 02 57.1	19.6 V	704
1997 FG ₂	1997 03 31.23133	08 41 25.18	+20 02 05.5		704	1997 FS ₂	1997 04 05.35109	12 47 07.85	-05 02 18.7		704
1997 FG ₂	1997 04 01.19376	08 41 44.12	+20 01 58.4	17.5 V	704	1997 FT ₂	* 1997 03 31.33102	12 51 18.97	-08 38 44.7	18.7 V	704
1997 FG ₂	1997 04 01.25806	08 41 45.41	+20 01 56.2		704	1997 FT ₂	1997 03 31.41843	12 51 13.62	-08 38 05.1		704
1997 FH ₂	* 1997 03 31.15020	08 46 28.57	+21 50 34.5	17.9 V	704	1997 FT ₂	1997 04 03.27537	12 48 23.02	-08 16 30.8	18.2 V	704
1997 FH ₂	1997 03 31.23737	08 46 30.15	+21 50 04.8		704	1997 FT ₂	1997 04 03.38968	12 48 15.92	-08 15 38.8		704
1997 FH ₂	1997 04 01.19821	08 46 50.58	+21 44 46.9	17.4 V	704	1997 FU ₂	* 1997 03 31.33223	12 52 18.16	-10 08 40.0	18.2 V	704
1997 FH ₂	1997 04 01.26244	08 46 51.89	+21 44 25.0		704	1997 FU ₂	1997 03 31.41964	12 52 13.80	-10 08 27.5		704
1997 FJ ₂	* 1997 03 31.15020	08 46 35.41	+21 45 45.8	18.2 V	704	1997 FU ₂	1997 04 03.27883	12 49 50.06	-10 01 39.7	18.0 V	704
1997 FJ ₂	1997 03 31.23737	08 46 37.42	+21 45 30.0		704	1997 FU ₂	1997 04 03.39315	12 49 44.11	-10 01 23.1		704
1997 FJ ₂	1997 04 01.19821	08 47 02.36	+21 42 21.0	18.2 V	704	1997 FU ₂	1997 04 05.22413	12 48 12.02	-09 56 50.8	18.2 V	704
1997 FJ ₂	1997 04 01.26244	08 47 04.09	+21 42 08.5		704	1997 FU ₂	1997 04 05.34970	12 48 05.68	-09 56 28.5		704
1997 FK ₂	* 1997 03 31.15721	08 35 30.46	+18 43 10.0	18.6 V	704	1997 FU ₂	1997 04 06.14655	12 47 25.70	-09 54 28.9	17.8 V	704
1997 FK ₂	1997 03 31.22240	08 35 33.32	+18 43 46.6		704	1997 FU ₂	1997 04 06.21342	12 47 22.20	-09 54 18.0		704
1997 FK ₂	1997 04 01.20521	08 36 18.38	+18 52 55.4	18.5 V	704	1997 FV ₂	* 1997 03 31.33223	12 53 04.88	-09 45 41.5	18.6 V	704
1997 FK ₂	1997 04 01.25341	08 36 20.47	+18 53 19.9		704	1997 FV ₂	1997 03 31.39767	12 53 01.05	-09 45 27.7		704
1997 FL ₂	* 1997 03 31.16421	08 40 43.48	+19 23 54.2	18.3 V	704	1997 FV ₂	1997 04 03.27867	12 50 14.97	-09 35 33.8	19.3 V	704
1997 FL ₂	1997 03 31.22940	08 40 44.95	+19 23 51.7		704	1997 FV ₂	1997 04 03.39299	12 50 08.18	-09 35 08.7		704
1997 FL ₂	1997 04 01.19394	08 41 09.22	+19 23 03.3	18.6 V	704	1997 FW ₂	* 1997 03 31.33247	12 52 23.66	-09 20 45.9	17.9 V	704
1997 FL ₂	1997 04 01.25824	08 41 10.84	+19 23 01.1		704	1997 FW ₂	1997 03 31.41988	12 52 19.87	-09 20 00.5		704
1997 FM ₂	* 1997 03 31.32861	12 50 03.56	-02 40 54.5	18.8 V	704	1997 FW ₂	1997 04 03.27851	12 50 19.52	-08 54 52.6	18.2 V	704
1997 FM ₂	1997 03 31.41578	12 49 58.10	-02 40 36.1		704	1997 FW ₂	1997 04 03.39284	12 50 14.55	-08 53 51.9		704
1997 FM ₂	1997 04 03.27679	12 47 04.05	-02 30 36.3	19.4 V	704	1997 FW ₂	1997 04 05.22447	12 48 57.74	-08 37 35.7	18.3 V	704
1997 FM ₂	1997 04 03.39111	12 46 56.83	-02 30 12.1		704	1997 FW ₂	1997 04 05.35005	12 48 52.33	-08 36 29.3		704
1997 FN ₂	* 1997 03 31.32861	12 50 13.74	-02 44 23.6	17.7 V	704	1997 FW ₂	1997 04 06.14707	12 48 19.13	-08 29 24.2	18.4 V	704
1997 FN ₂	1997 03 31.41578	12 50 08.62	-02 44 02.4		704	1997 FW ₂	1997 04 06.23522	12 48 15.44	-08 28 37.6		704
1997 FN ₂	1997 04 03.27679	12 47 26.03	-02 32 38.7	20.2 V	704	1997 FW ₂	1997 04 07.13807	12 47 37.81	-08 20 32.4	18.4 V	704
1997 FN ₂	1997 04 03.39111	12 47 19.26	-02 32 10.3		704	1997 FW ₂	1997 04 07.21654	12 47 34.44	-08 19 50.5		704
1997 FO ₂	* 1997 03 31.32885	12 50 49.85	-03 36 54.0	18.4 V	704	1997 FX ₂	* 1997 03 31.33247	12 52 33.17	-09 07 52.9	18.6 V	704
1997 FO ₂	1997 03 31.41602	12 50 46.27	-03 36 07.1		704	1997 FX ₂	1997 03 31.39792	12 52 29.51	-09 07 27.1		704
1997 FO ₂	1997 04 03.27663	12 48 51.25	-03 10 12.1	18.3 V	704	1997 FX ₂	1997 04 03.27851	12 49 57.19	-08 48 11.5	19.0 V	704
1997 FO ₂	1997 04 03.39095	12 48 46.49	-03 09 10.8		704	1997 FX ₂	1997 04 03.39284	12 49 50.82	-08 47 24.7		704
1997 FO ₂	1997 04 05.22622	12 47 32.80	-02 52 34.5	18.1 V	704	1997 FY ₂	* 1997 03 31.33247	12 52 43.64	-09 10 08.4	17.2 V	704
1997 FO ₂	1997 04 05.35178	12 47 27.50	-02 51 26.1		704	1997 FY ₂	1997 03 31.41988	12 52 38.00	-09 09 55.2		704
1997 FO ₂	1997 04 06.14863	12 46 55.69	-02 44 16.3	18.9 V	704	1997 FY ₂	1997 04 03.27851	12 49 40.74	-09 02 39.9	18.1 V	704

1997 FY ₂	1997 04 03.39284	12 49 33.30	-09 02 21.9		704	1997 FF ₃	1997 04 03.39189	12 50 56.89	-05 14 39.1		704
1997 FY ₂	1997 04 05.22447	12 47 39.25	-08 57 23.3	17.6 V	704	1997 FF ₃	1997 04 06.14811	12 49 00.05	-04 45 01.1	18.6 V	704
1997 FY ₂	1997 04 05.35005	12 47 31.01	-08 57 01.2		704	1997 FF ₃	1997 04 06.21500	12 48 57.14	-04 44 18.1		704
1997 FZ ₂	* 1997 03 31.33271	12 52 10.99	-08 53 48.5	18.8 V	704	1997 FF ₃	1997 04 07.13903	12 48 18.10	-04 34 22.1	18.4 V	704
1997 FZ ₂	1997 03 31.42012	12 52 06.68	-08 53 31.8		704	1997 FF ₃	1997 04 07.21748	12 48 14.61	-04 33 30.8		704
1997 FZ ₂	1997 04 03.27851	12 49 52.45	-08 44 01.3	18.6 V	704	1997 FG ₃	* 1997 03 31.33416	12 52 52.01	-04 56 09.7	18.7 V	704
1997 FZ ₂	1997 04 03.39284	12 49 46.90	-08 43 37.7		704	1997 FG ₃	1997 03 31.42157	12 52 47.55	-04 55 36.5		704
1997 FZ ₂	1997 04 05.22447	12 48 20.73	-08 37 21.1	18.2 V	704	1997 FG ₃	1997 04 03.27741	12 50 31.06	-04 36 05.5	18.6 V	704
1997 FZ ₂	1997 04 05.35005	12 48 14.58	-08 36 53.8		704	1997 FG ₃	1997 04 03.39173	12 50 25.35	-04 35 18.9		704
1997 FZ ₂	1997 04 06.14689	12 47 37.26	-08 34 08.5	18.5 V	704	1997 FH ₃	* 1997 03 31.33440	12 52 38.68	-04 25 14.0	18.8 V	704
1997 FZ ₂	1997 04 06.23505	12 47 32.87	-08 33 48.9		704	1997 FH ₃	1997 03 31.42181	12 52 34.22	-04 24 26.1		704
1997 FA ₃	* 1997 03 31.33343	12 52 38.51	-06 43 55.8	18.9 V	704	1997 FH ₃	1997 04 03.27726	12 50 11.02	-03 58 03.5	19.3 V	704
1997 FA ₃	1997 03 31.39888	12 52 34.67	-06 43 30.6		704	1997 FH ₃	1997 04 03.39158	12 50 05.00	-03 57 00.2		704
1997 FA ₃	1997 04 03.27788	12 49 51.41	-06 24 50.3	19.3 V	704	1997 FH ₃	1997 04 07.15817	12 46 57.12	-03 22 28.5	19.6 V	704
1997 FA ₃	1997 04 03.39221	12 49 44.67	-06 24 05.3		704	1997 FH ₃	1997 04 07.21779	12 46 54.07	-03 21 55.8		704
1997 FA ₃	1997 04 05.25649	12 47 59.61	-06 11 57.5	18.7 V	704	1997 FJ ₃	* 1997 03 31.33464	12 53 04.43	-04 11 54.0	18.3 V	704
1997 FA ₃	1997 04 05.35074	12 47 54.08	-06 11 20.5		704	1997 FJ ₃	1997 03 31.40009	12 53 00.11	-04 11 39.9		704
1997 FB ₃	* 1997 03 31.33343	12 53 07.63	-07 04 23.1	18.5 V	704	1997 FJ ₃	1997 04 03.27726	12 49 57.07	-04 01 29.1	18.3 V	704
1997 FB ₃	1997 03 31.42085	12 53 03.88	-07 03 43.1		704	1997 FJ ₃	1997 04 03.39158	12 49 49.41	-04 01 04.6		704
1997 FB ₃	1997 04 05.22744	12 49 45.23	-06 26 57.4	18.2 V	704	1997 FJ ₃	1997 04 05.22587	12 47 52.37	-03 54 36.0	17.9 V	704
1997 FB ₃	1997 04 05.35300	12 49 39.74	-06 25 58.8		704	1997 FJ ₃	1997 04 05.35143	12 47 43.96	-03 54 09.4		704
1997 FB ₃	1997 04 07.13857	12 48 26.26	-06 12 15.1	18.6 V	704	1997 FJ ₃	1997 04 06.14828	12 46 53.52	-03 51 23.0	18.4 V	704
1997 FB ₃	1997 04 07.21701	12 48 22.96	-06 11 39.0		704	1997 FJ ₃	1997 04 06.21517	12 46 49.04	-03 51 09.4		704
1997 FC ₃	* 1997 03 31.33368	12 53 58.85	-06 19 59.0	18.7 V	704	1997 FK ₃	* 1997 03 31.33488	12 51 59.07	-03 18 05.7	19.0 V	704
1997 FC ₃	1997 03 31.39912	12 53 55.88	-06 19 39.0		704	1997 FK ₃	1997 03 31.40033	12 51 56.02	-03 17 34.3		704
1997 FC ₃	1997 04 05.22726	12 50 14.26	-05 55 34.8	18.9 V	704	1997 FK ₃	1997 04 03.27694	12 49 46.49	-02 53 38.1	19.6 V	704
1997 FC ₃	1997 04 05.35282	12 50 08.36	-05 54 58.4		704	1997 FK ₃	1997 04 03.39126	12 49 41.15	-02 52 41.2		704
1997 FC ₃	1997 04 07.13872	12 48 46.74	-05 46 01.2	19.2 V	704	1997 FK ₃	1997 04 05.22622	12 48 18.59	-02 37 31.5	19.0 V	704
1997 FC ₃	1997 04 07.21716	12 48 43.08	-05 45 38.3		704	1997 FK ₃	1997 04 05.35178	12 48 12.68	-02 36 30.6		704
1997 FD ₃	* 1997 03 31.33392	12 52 35.60	-05 33 14.4	18.7 V	704	1997 FL ₃	* 1997 03 31.33488	12 53 01.35	-03 40 11.4	18.8 V	704
1997 FD ₃	1997 03 31.42133	12 52 31.06	-05 32 52.6		704	1997 FL ₃	1997 03 31.42230	12 52 55.77	-03 39 54.3		704
1997 FD ₃	1997 04 03.27757	12 50 07.51	-05 21 04.9	19.1 V	704	1997 FL ₃	1997 04 03.27710	12 49 59.43	-03 29 43.4	18.8 V	704
1997 FD ₃	1997 04 03.39189	12 50 01.54	-05 20 36.0		704	1997 FL ₃	1997 04 03.39142	12 49 52.09	-03 29 18.9		704
1997 FD ₃	1997 04 05.22553	12 48 29.20	-05 12 59.6	18.7 V	704	1997 FL ₃	1997 04 05.22605	12 47 59.04	-03 22 51.6	18.5 V	704
1997 FD ₃	1997 04 05.35109	12 48 22.68	-05 12 28.1		704	1997 FL ₃	1997 04 05.35161	12 47 51.11	-03 22 24.3		704
1997 FD ₃	1997 04 06.14793	12 47 42.76	-05 09 08.7	18.9 V	704	1997 FM ₃	* 1997 03 31.33512	12 51 48.35	-02 53 10.7	18.9 V	704
1997 FD ₃	1997 04 06.21483	12 47 39.27	-05 08 51.0		704	1997 FM ₃	1997 03 31.42254	12 51 42.92	-02 53 03.8		704
1997 FD ₃	1997 04 07.13888	12 46 52.96	-05 05 01.3	19.3 V	704	1997 FM ₃	1997 04 03.27679	12 48 47.41	-02 49 16.9	18.7 V	704
1997 FD ₃	1997 04 07.21732	12 46 48.88	-05 04 41.2		704	1997 FM ₃	1997 04 03.39111	12 48 40.20	-02 49 08.2		704
1997 FE ₃	* 1997 03 31.33392	12 52 47.87	-05 57 21.2	19.0 V	704	1997 FN ₃	* 1997 03 31.33512	12 52 49.57	-03 02 28.7	18.9 V	704
1997 FE ₃	1997 03 31.42133	12 52 43.90	-05 56 57.1		704	1997 FN ₃	1997 03 31.42254	12 52 44.16	-03 02 05.7		704
1997 FE ₃	1997 04 03.27773	12 50 37.25	-05 42 43.6	18.2 V	704	1997 FN ₃	1997 04 05.22622	12 47 49.96	-02 41 01.7	18.0 V	704
1997 FE ₃	1997 04 03.39205	12 50 31.99	-05 42 09.3		704	1997 FN ₃	1997 04 05.35178	12 47 41.99	-02 40 29.3		704
1997 FE ₃	1997 04 05.22535	12 49 10.87	-05 32 59.3	18.7 V	704	1997 FN ₃	1997 04 06.14863	12 46 53.24	-02 37 02.6	18.6 V	704
1997 FE ₃	1997 04 05.35091	12 49 05.04	-05 32 22.2		704	1997 FN ₃	1997 04 06.23681	12 46 47.60	-02 36 39.3		704
1997 FE ₃	1997 04 06.14793	12 48 30.00	-05 28 23.2	19.3 V	704	1997 FO ₃	* 1997 03 31.33512	12 52 56.72	-03 02 21.0	19.0 V	704
1997 FE ₃	1997 04 06.21483	12 48 27.01	-05 28 02.6		704	1997 FO ₃	1997 03 31.42254	12 52 52.44	-03 01 47.9		704
1997 FE ₃	1997 04 07.13888	12 47 46.34	-05 23 28.1	19.0 V	704	1997 FO ₃	1997 04 03.27694	12 50 36.19	-02 43 25.7	18.4 V	704
1997 FE ₃	1997 04 07.19823	12 47 43.63	-05 23 09.5		704	1997 FO ₃	1997 04 03.39126	12 50 30.50	-02 42 42.1		704
1997 FF ₃	* 1997 03 31.33392	12 53 06.69	-05 47 23.1	18.2 V	704	1997 FO ₃	1997 04 05.22622	12 49 02.72	-02 30 59.6	18.6 V	704
1997 FF ₃	1997 03 31.42133	12 53 02.88	-05 46 26.5		704	1997 FO ₃	1997 04 05.35178	12 48 56.45	-02 30 10.8		704
1997 FF ₃	1997 04 03.27757	12 51 01.94	-05 15 52.5	18.6 V	704	1997 FP ₃	* 1997 03 31.33633	12 54 23.62	-05 00 00.3	18.9 V	704

1997 FP ₃	1997 03 31.42374	12 54 18.15	-04 59 36.8		704	1997 FX ₃	1997 03 31.42712	12 57 52.49	-07 56 53.2		704
1997 FP ₃	1997 04 03.27741	12 51 27.50	-04 47 10.6	19.7 V	704	1997 FX ₃	1997 04 03.28263	12 55 23.88	-07 40 15.4	18.6 V	704
1997 FP ₃	1997 04 03.39173	12 51 20.35	-04 46 39.7		704	1997 FX ₃	1997 04 03.39692	12 55 17.70	-07 39 33.8		704
1997 FP ₃	1997 04 05.22691	12 49 31.24	-04 38 41.9	19.2 V	704	1997 FX ₃	1997 04 05.22969	12 53 41.40	-07 28 39.9	18.7 V	704
1997 FP ₃	1997 04 05.35248	12 49 23.53	-04 38 09.7		704	1997 FX ₃	1997 04 05.35526	12 53 34.59	-07 27 55.7		704
1997 FQ ₃	* 1997 03 31.33706	12 55 48.37	-06 51 53.7	19.0 V	704	1997 FX ₃	1997 04 06.15210	12 52 52.69	-07 23 08.1	18.4 V	704
1997 FQ ₃	1997 03 31.40250	12 55 44.29	-06 51 35.1		704	1997 FX ₃	1997 04 06.21915	12 52 49.04	-07 22 44.0		704
1997 FQ ₃	1997 04 03.28028	12 52 49.54	-06 36 32.6	19.1 V	704	1997 FY ₃	* 1997 03 31.34046	12 57 54.74	-06 11 44.7	18.5 V	704
1997 FQ ₃	1997 04 03.39457	12 52 42.36	-06 35 55.6		704	1997 FY ₃	1997 03 31.42785	12 57 50.46	-06 11 21.8		704
1997 FQ ₃	1997 04 05.22744	12 50 50.31	-06 26 13.3	18.4 V	704	1997 FY ₃	1997 04 03.28215	12 55 34.12	-05 59 18.2	18.9 V	704
1997 FQ ₃	1997 04 05.35300	12 50 42.35	-06 25 32.5		704	1997 FY ₃	1997 04 03.39645	12 55 28.47	-05 58 49.5		704
1997 FR ₃	* 1997 03 31.33706	12 56 15.04	-06 44 24.3	18.9 V	704	1997 FY ₃	1997 04 06.15262	12 53 16.17	-05 47 04.1	18.6 V	704
1997 FR ₃	1997 03 31.40250	12 56 11.63	-06 43 48.6		704	1997 FY ₃	1997 04 06.24083	12 53 11.77	-05 46 39.9		704
1997 FR ₃	1997 04 03.28028	12 53 45.76	-06 15 13.4	18.6 V	704	1997 FY ₃	1997 04 07.14310	12 52 28.56	-05 42 48.8	18.4 V	704
1997 FR ₃	1997 04 03.39457	12 53 39.63	-06 14 04.2		704	1997 FY ₃	1997 04 07.22154	12 52 24.68	-05 42 29.2		704
1997 FS ₃	* 1997 03 31.33754	12 55 02.31	-08 24 20.5	18.8 V	704	1997 FZ ₃	* 1997 03 31.34070	12 56 49.34	-06 06 51.3	19.1 V	704
1997 FS ₃	1997 03 31.42495	12 54 57.15	-08 23 52.4		704	1997 FZ ₃	1997 03 31.42809	12 56 45.21	-06 06 23.0		704
1997 FS ₃	1997 04 03.27978	12 52 18.44	-08 08 23.5	18.4 V	704	1997 FZ ₃	1997 04 03.28215	12 54 35.00	-05 51 40.6	19.2 V	704
1997 FS ₃	1997 04 03.39410	12 52 11.88	-08 07 45.1		704	1997 FZ ₃	1997 04 03.39645	12 54 29.63	-05 51 04.9		704
1997 FT ₃	* 1997 03 31.33778	12 55 25.58	-08 55 12.8	18.3 V	704	1997 FZ ₃	1997 04 05.23021	12 53 05.87	-05 41 32.1	18.9 V	704
1997 FT ₃	1997 03 31.42519	12 55 20.87	-08 54 28.2		704	1997 FZ ₃	1997 04 05.35578	12 52 59.80	-05 40 54.7		704
1997 FT ₃	1997 04 05.22796	12 51 14.41	-08 13 42.7	18.0 V	704	1997 FA ₄	* 1997 03 31.34070	12 57 29.98	-05 44 28.8	18.1 V	704
1997 FT ₃	1997 04 05.35352	12 51 07.59	-08 12 38.8		704	1997 FA ₄	1997 03 31.42809	12 57 25.25	-05 44 25.4		704
1997 FT ₃	1997 04 06.15037	12 50 27.12	-08 05 43.9	18.0 V	704	1997 FA ₄	1997 04 03.28215	12 54 53.25	-05 42 26.6	18.4 V	704
1997 FT ₃	1997 04 06.23854	12 50 22.37	-08 04 59.0		704	1997 FA ₄	1997 04 03.39645	12 54 47.03	-05 42 21.5		704
1997 FT ₃	1997 04 07.14107	12 49 36.35	-07 57 08.0	18.1 V	704	1997 FA ₄	1997 04 05.23021	12 53 09.00	-05 41 02.6	17.8 V	704
1997 FT ₃	1997 04 07.21951	12 49 32.15	-07 56 27.8		704	1997 FA ₄	1997 04 05.35578	12 53 02.06	-05 40 57.3		704
1997 FU ₃	* 1997 03 31.33827	12 54 56.27	-10 08 09.3	18.2 V	704	1997 FA ₄	1997 04 06.15262	12 52 19.68	-05 40 21.7	18.2 V	704
1997 FU ₃	1997 03 31.42568	12 54 52.25	-10 07 46.5		704	1997 FA ₄	1997 04 06.24083	12 52 14.85	-05 40 18.2		704
1997 FU ₃	1997 04 03.27930	12 52 46.26	-09 55 26.5	17.9 V	704	1997 FA ₄	1997 04 07.14044	12 51 26.85	-05 39 38.5	18.0 V	704
1997 FU ₃	1997 04 03.39362	12 52 41.11	-09 54 56.6		704	1997 FA ₄	1997 04 07.21888	12 51 22.61	-05 39 35.9		704
1997 FU ₃	1997 04 05.22848	12 51 20.08	-09 46 50.4	18.2 V	704	1997 FB ₄	* 1997 03 31.34094	12 58 17.80	-04 56 20.6	18.4 V	704
1997 FU ₃	1997 04 05.35404	12 51 14.39	-09 46 16.7		704	1997 FB ₄	1997 03 31.42833	12 58 13.05	-04 56 08.8		704
1997 FU ₃	1997 04 07.14138	12 49 55.70	-09 38 17.0	18.6 V	704	1997 FB ₄	1997 04 03.28184	12 55 44.80	-04 49 59.4	18.4 V	704
1997 FU ₃	1997 04 07.21982	12 49 52.17	-09 37 55.5		704	1997 FB ₄	1997 04 03.39614	12 55 38.63	-04 49 44.3		704
1997 FV ₃	* 1997 03 31.33924	12 56 46.08	-09 09 06.2	18.6 V	704	1997 FB ₄	1997 04 06.15297	12 53 14.58	-04 43 44.9	18.8 V	704
1997 FV ₃	1997 03 31.42664	12 56 40.52	-09 08 49.2		704	1997 FB ₄	1997 04 06.24117	12 53 09.85	-04 43 34.6		704
1997 FV ₃	1997 04 03.27963	12 53 42.73	-08 58 53.0	19.1 V	704	1997 FB ₄	1997 04 07.14342	12 52 22.67	-04 41 37.8	18.2 V	704
1997 FV ₃	1997 04 03.39394	12 53 35.41	-08 58 29.1		704	1997 FB ₄	1997 04 07.22186	12 52 18.50	-04 41 27.3		704
1997 FV ₃	1997 04 06.17208	12 50 41.85	-08 48 24.7	18.7 V	704	1997 FC ₄	* 1997 03 31.34142	12 58 30.35	-03 47 54.7	18.4 V	704
1997 FV ₃	1997 04 06.23871	12 50 37.57	-08 48 09.3		704	1997 FC ₄	1997 03 31.42881	12 58 26.38	-03 47 15.7		704
1997 FV ₃	1997 04 07.14122	12 49 41.35	-08 44 48.7	18.8 V	704	1997 FC ₄	1997 04 03.28153	12 56 23.69	-03 25 23.5	18.8 V	704
1997 FV ₃	1997 04 07.21967	12 49 36.32	-08 44 30.4		704	1997 FC ₄	1997 04 03.39583	12 56 18.57	-03 24 31.9		704
1997 FW ₃	* 1997 03 31.33924	12 57 07.39	-09 38 43.3	18.9 V	704	1997 FC ₄	1997 04 05.23143	12 54 59.50	-03 10 31.8	17.9 V	704
1997 FW ₃	1997 03 31.42664	12 57 01.83	-09 38 22.5		704	1997 FC ₄	1997 04 05.35699	12 54 53.86	-03 09 34.8		704
1997 FW ₃	1997 04 05.22917	12 52 01.40	-09 17 48.8	18.7 V	704	1997 FC ₄	1997 04 06.15367	12 54 19.71	-03 03 30.6	18.9 V	704
1997 FW ₃	1997 04 05.35473	12 51 53.19	-09 17 13.7		704	1997 FC ₄	1997 04 06.24187	12 54 15.91	-03 02 49.7		704
1997 FW ₃	1997 04 06.15071	12 51 03.30	-09 13 40.1	18.6 V	704	1997 FC ₄	1997 04 07.14388	12 53 37.17	-02 56 02.6	18.7 V	704
1997 FW ₃	1997 04 06.23889	12 50 57.67	-09 13 15.9		704	1997 FC ₄	1997 04 07.22232	12 53 33.70	-02 55 27.5		704
1997 FW ₃	1997 04 07.14138	12 50 00.90	-09 09 09.0	19.0 V	704	1997 FD ₄	* 1997 03 31.34167	12 56 48.97	-03 31 25.7	19.0 V	704
1997 FW ₃	1997 04 07.21982	12 49 55.79	-09 08 48.7		704	1997 FD ₄	1997 03 31.42906	12 56 44.08	-03 30 36.3		704
1997 FX ₃	* 1997 03 31.33973	12 57 57.19	-07 57 23.5	18.8 V	704	1997 FD ₄	1997 04 03.28137	12 54 10.07	-03 04 22.2	18.9 V	704

1997 FD ₄	1997 04 03.39567	12 54 03.58	-03 03 18.5		704	1997 FK ₄	1997 04 05.35856	12 54 33.70	-08 46 56.1		704
1997 FD ₄	1997 04 05.23108	12 52 24.33	-02 46 32.1	18.8 V	704	1997 FL ₄	* 1997 03 31.34480	12 59 04.14	-09 12 51.9	18.8 V	704
1997 FD ₄	1997 04 05.35664	12 52 17.32	-02 45 22.7		704	1997 FL ₄	1997 03 31.41023	12 59 00.42	-09 12 32.5		704
1997 FD ₄	1997 04 06.14880	12 51 34.84	-02 38 11.2	19.2 V	704	1997 FL ₄	1997 04 05.23300	12 54 37.49	-08 48 13.8	18.4 V	704
1997 FD ₄	1997 04 06.23698	12 51 29.93	-02 37 24.2		704	1997 FL ₄	1997 04 05.35856	12 54 30.21	-08 47 34.8		704
1997 FE ₄	* 1997 03 31.34239	12 59 51.92	-03 10 12.4	18.3 V	704	1997 FL ₄	1997 04 06.15175	12 53 47.32	-08 43 26.8	18.3 V	704
1997 FE ₄	1997 03 31.42978	12 59 47.85	-03 09 50.7		704	1997 FL ₄	1997 04 06.21881	12 53 43.55	-08 43 05.4		704
1997 FE ₄	1997 04 03.28563	12 57 37.13	-02 57 42.3	18.1 V	704	1997 FL ₄	1997 04 07.14232	12 52 53.26	-08 38 14.3	18.3 V	704
1997 FE ₄	1997 04 03.39995	12 57 31.71	-02 57 13.0		704	1997 FL ₄	1997 04 07.22076	12 52 48.80	-08 37 50.7		704
1997 FE ₄	1997 04 05.23125	12 56 07.55	-02 49 31.4	18.1 V	704	1997 FM ₄	* 1997 03 31.34480	12 59 23.78	-09 27 42.6	18.1 V	704
1997 FE ₄	1997 04 05.35682	12 56 01.60	-02 49 00.9		704	1997 FM ₄	1997 03 31.43219	12 59 19.40	-09 26 46.7		704
1997 FE ₄	1997 04 06.15367	12 55 25.11	-02 45 40.8	18.2 V	704	1997 FM ₄	1997 04 03.28405	12 57 01.81	-08 56 37.0	18.3 V	704
1997 FE ₄	1997 04 06.24187	12 55 20.98	-02 45 18.8		704	1997 FM ₄	1997 04 03.39833	12 56 56.03	-08 55 23.1		704
1997 FE ₄	1997 04 07.14404	12 54 39.62	-02 41 34.9	18.3 V	704	1997 FM ₄	1997 04 05.23300	12 55 27.53	-08 35 47.0	18.0 V	704
1997 FE ₄	1997 04 07.22248	12 54 35.87	-02 41 15.5		704	1997 FM ₄	1997 04 05.35856	12 55 21.18	-08 34 26.2		704
1997 FF ₄	* 1997 03 31.34336	13 00 07.97	-05 58 10.1	18.6 V	704	1997 FM ₄	1997 04 06.15523	12 54 43.06	-08 25 54.4	18.2 V	704
1997 FF ₄	1997 03 31.43074	13 00 03.37	-05 57 56.0		704	1997 FM ₄	1997 04 06.22228	12 54 39.78	-08 25 10.7		704
1997 FF ₄	1997 04 03.28484	12 57 39.44	-05 50 28.2	18.7 V	704	1997 FM ₄	1997 04 07.14247	12 53 55.70	-08 15 19.1	18.4 V	704
1997 FF ₄	1997 04 03.39914	12 57 33.41	-05 50 12.6		704	1997 FM ₄	1997 04 07.22092	12 53 51.86	-08 14 29.6		704
1997 FF ₄	1997 04 05.23213	12 56 00.89	-05 45 20.7	18.7 V	704	1997 FN ₄	* 1997 03 31.34480	12 59 57.16	-09 21 59.4	18.6 V	704
1997 FF ₄	1997 04 05.35769	12 55 54.33	-05 45 00.4		704	1997 FN ₄	1997 03 31.43219	12 59 51.99	-09 21 35.4		704
1997 FF ₄	1997 04 06.15454	12 55 14.24	-05 42 54.8	18.6 V	704	1997 FN ₄	1997 04 03.28389	12 57 08.12	-09 08 53.3	18.9 V	704
1997 FF ₄	1997 04 06.22159	12 55 10.76	-05 42 43.7		704	1997 FN ₄	1997 04 03.39818	12 57 01.30	-09 08 21.7		704
1997 FF ₄	1997 04 07.14482	12 54 24.15	-05 40 17.8	18.9 V	704	1997 FN ₄	1997 04 05.23300	12 55 15.47	-08 59 55.0	19.1 V	704
1997 FF ₄	1997 04 07.22326	12 54 20.07	-05 40 05.4		704	1997 FN ₄	1997 04 05.35856	12 55 08.06	-08 59 21.0		704
1997 FG ₄	* 1997 03 31.34360	12 59 31.14	-06 35 19.4	18.6 V	704	1997 FN ₄	1997 04 07.14232	12 53 25.63	-08 51 00.9	18.7 V	704
1997 FG ₄	1997 03 31.43099	12 59 26.80	-06 34 43.0		704	1997 FN ₄	1997 04 07.22076	12 53 21.01	-08 50 39.6		704
1997 FG ₄	1997 04 03.28468	12 57 09.61	-06 15 37.3	18.9 V	704	1997 FO ₄	* 1997 03 31.34505	13 00 33.18	-09 55 16.2	18.2 V	704
1997 FG ₄	1997 04 03.39898	12 57 03.89	-06 14 50.6		704	1997 FO ₄	1997 03 31.43243	13 00 29.39	-09 53 09.0		704
1997 FG ₄	1997 04 05.23213	12 55 35.31	-06 02 26.8	18.7 V	704	1997 FO ₄	1997 04 03.28405	12 58 32.51	-08 43 06.9	18.3 V	704
1997 FG ₄	1997 04 05.35769	12 55 28.98	-06 01 36.2		704	1997 FO ₄	1997 04 03.39833	12 58 27.51	-08 40 17.1		704
1997 FG ₄	1997 04 06.15454	12 54 50.69	-05 56 12.3	18.6 V	704	1997 FO ₄	1997 04 05.23456	12 57 11.47	-07 54 36.4	18.3 V	704
1997 FG ₄	1997 04 06.22159	12 54 47.34	-05 55 45.4		704	1997 FO ₄	1997 04 05.36012	12 57 05.88	-07 51 27.2		704
1997 FH ₄	* 1997 03 31.34432	12 59 21.85	-08 00 54.9	17.7 V	704	1997 FO ₄	1997 04 06.15698	12 56 33.13	-07 31 31.7	18.7 V	704
1997 FH ₄	1997 03 31.43171	12 59 16.25	-08 00 45.6		704	1997 FO ₄	1997 04 06.24517	12 56 29.39	-07 29 19.3		704
1997 FH ₄	1997 04 03.28278	12 56 16.48	-07 56 08.3	18.3 V	704	1997 FO ₄	1997 04 07.14513	12 55 52.14	-07 06 45.4	18.5 V	704
1997 FH ₄	1997 04 03.39708	12 56 09.03	-07 55 57.5		704	1997 FO ₄	1997 04 07.22357	12 55 48.71	-07 04 48.2		704
1997 FH ₄	1997 04 06.15210	12 53 14.10	-07 51 09.3	18.0 V	704	1997 FP ₄	* 1997 03 31.34529	13 01 11.06	-10 20 16.6	18.7 V	704
1997 FH ₄	1997 04 06.21915	12 53 09.82	-07 51 02.3		704	1997 FP ₄	1997 03 31.41071	13 01 07.41	-10 20 00.4		704
1997 FH ₄	1997 04 07.14263	12 52 11.14	-07 49 22.8	17.9 V	704	1997 FP ₄	1997 04 03.28373	12 58 35.74	-10 06 50.1	18.2 V	704
1997 FH ₄	1997 04 07.22107	12 52 05.98	-07 49 15.0		704	1997 FP ₄	1997 04 03.39802	12 58 29.32	-10 06 18.3		704
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1997 FJ ₄	1997 04 03.28437	12 58 00.61	-07 44 43.6	19.1 V	704	1997 FQ ₄	1997 04 03.27898	12 51 00.85	-10 50 11.7	18.0 V	704
1997 FJ ₄	1997 04 03.39866	12 57 54.78	-07 44 10.7		704	1997 FQ ₄	1997 04 03.39331	12 50 55.54	-10 49 36.2		704
1997 FJ ₄	1997 04 06.15506	12 55 41.52	-07 31 02.1	18.6 V	704	1997 FQ ₄	1997 04 05.22865	12 49 33.99	-10 40 01.7	17.0 V	704
1997 FJ ₄	1997 04 06.22211	12 55 38.20	-07 30 43.5		704	1997 FQ ₄	1997 04 05.35421	12 49 28.27	-10 39 21.7		704
1997 FJ ₄	1997 04 07.14529	12 54 53.65	-07 26 16.7	18.7 V	704	1997 FQ ₄	1997 04 06.14637	12 48 53.24	-10 35 09.5	17.1 V	704
1997 FJ ₄	1997 04 07.22373	12 54 49.70	-07 25 54.8		704	1997 FQ ₄	1997 04 06.21325	12 48 50.17	-10 34 48.6		704
1997 FK ₄	* 1997 03 31.34456	12 59 03.99	-09 01 28.0	18.7 V	704	1997 FQ ₄	1997 04 07.13744	12 48 09.11	-10 29 51.8	17.6 V	704
1997 FK ₄	1997 03 31.43195	12 58 59.08	-09 01 11.2		704	1997 FQ ₄	1997 04 07.21577	12 48 05.53	-10 29 27.2		704
1997 FK ₄	1997 04 05.23300	12 54 40.71	-08 47 18.9	18.2 V	704	1997 FR ₄	* 1997 03 31.36557	12 59 03.59	-07 14 43.3	18.1 V	704

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1997 FR ₄	1997 04 03.28247	12 56 23.14	-07 02 52.1	18.2 V	704	1997 GL ₃	* 1997 04 07.34470	14 51 04.59	-11 16 55.8	16.5 V	704
1997 FR ₄	1997 04 03.39676	12 56 16.49	-07 02 24.1		704	1997 GL ₃	1997 04 07.37082	14 50 22.25	-11 12 29.2		704
1997 FR ₄	1997 04 05.23248	12 54 35.23	-06 54 47.2	17.7 V	704	1997 GL ₃	1997 04 07.39708	14 49 40.09	-11 08 01.4		704
1997 FR ₄	1997 04 05.35804	12 54 27.95	-06 54 16.6		704	1997 GL ₃	1997 04 08.20354	14 31 52.70	-09 08 19.1		704
1997 FR ₄	1997 04 06.15228	12 53 44.48	-06 50 56.0	17.7 V	704	1997 GL ₃	1997 04 08.24520	14 31 03.93	-09 02 58.6		704
1997 FR ₄	1997 04 06.21933	12 53 40.63	-06 50 39.6		704	1997 GL ₃	1997 04 08.28666	14 30 15.86	-08 57 43.2		704
1997 FR ₄	1997 04 07.14278	12 52 49.81	-06 46 48.1	17.7 V	704	1997 GL ₃	1997 04 08.30888	14 29 50.32	-08 54 55.9		704
1997 FR ₄	1997 04 07.22123	12 52 45.28	-06 46 28.8		704	1997 GL ₃	1997 04 08.46613	14 26 54.80	-08 35 33.9		704
1997 GL	1997 04 03.29665	13 08 56.20	-06 53 26.8	19.2 V	704	1997 GL ₃	1997 04 08.46628	14 26 54.64	-08 35 33.3		704
1997 GL	1997 04 03.41130	13 08 50.12	-06 52 48.7		704	1997 GL ₃	1997 04 08.47574	14 26 44.50	-08 34 23.9		704
1997 GL	1997 04 05.24554	13 07 14.62	-06 42 35.9	19.0 V	704	1997 GL ₃	1997 04 09.22334	14 15 20.92	-07 14 19.7	16.6 V	704
1997 GL	1997 04 05.33974	13 07 09.60	-06 42 03.8		704	1997 GL ₃	1997 04 09.22354	14 15 20.74	-07 14 18.0	16.7 V	704
1997 GL	1997 04 11.17142	13 02 03.00	-06 09 14.6	19.3 V	704	1997 GL ₃	1997 04 09.24279	14 15 04.42	-07 12 28.5		704
1997 GL	1997 04 11.22836	13 01 59.88	-06 08 56.0		704	1997 GL ₃	1997 04 09.24298	14 15 04.25	-07 12 27.3		704
1997 GN	1997 04 05.24328	13 05 27.71	-07 16 07.3	18.4 V	704	1997 GL ₃	1997 04 09.31611	14 14 02.73	-07 05 35.8	17.7 V	704
1997 GN	1997 04 05.36882	13 05 21.54	-07 13 45.3		704	1997 GL ₃	1997 04 09.32445	14 13 55.77	-07 04 49.0		704
1997 GS	1997 04 03.29429	13 06 42.56	-06 55 30.9	19.3 V	704	1997 GL ₃	1997 04 09.42355	14 12 34.50	-06 55 42.4		704
1997 GS	1997 04 03.40887	13 06 36.89	-06 54 36.4		704	1997 GL ₃	1997 04 09.43189	14 12 27.79	-06 54 55.7		704
1997 GS	1997 04 05.24311	13 05 08.40	-06 39 54.7	19.0 V	704	1997 GL ₃	1997 04 14.13830	13 37 20.40	-02 44 17.9	18.0 V	704
1997 GS	1997 04 05.33731	13 05 03.64	-06 39 10.0		704	1997 GL ₃	1997 04 14.13868	13 37 20.25	-02 44 17.4	17.6 V	704
1997 GS	1997 04 07.15266	13 03 35.69	-06 24 33.1	19.5 V	704	1997 GL ₃	1997 04 14.14663	13 37 18.16	-02 44 01.9		704
1997 GS	1997 04 07.23110	13 03 31.70	-06 23 55.8		704	1997 GL ₃	1997 04 14.14686	13 37 18.01	-02 44 02.3		704
1997 GU	1997 04 03.29225	13 05 21.63	-07 09 13.6	19.2 V	704	1997 GS ₃	1997 04 03.29680	13 08 59.99	-07 52 01.5	18.2 V	704
1997 GU	1997 04 03.40676	13 05 15.07	-07 08 45.0		704	1997 GS ₃	1997 04 03.41146	13 08 54.46	-07 51 30.3		704
1997 GU	1997 04 05.24065	13 03 35.06	-07 01 03.9	19.2 V	704	1997 GS ₃	1997 04 11.17126	13 02 56.79	-07 16 04.2	18.8 V	704
1997 GU	1997 04 05.33486	13 03 29.49	-07 00 39.5		704	1997 GS ₃	1997 04 11.22820	13 02 54.15	-07 15 50.0		704
1997 GU	1997 04 06.16307	13 02 43.99	-06 57 08.3	18.7 V	704	1997 GT ₃	1997 04 03.29429	13 07 06.30	-06 52 50.1	18.3 V	704
1997 GU	1997 04 06.25126	13 02 38.93	-06 56 46.8		704	1997 GT ₃	1997 04 03.40887	13 07 00.32	-06 52 35.1		704
1997 GU	1997 04 07.15251	13 01 49.05	-06 52 52.6	18.8 V	704	1997 GT ₃	1997 04 05.24328	13 05 27.77	-06 48 27.9	18.0 V	704
1997 GU	1997 04 07.23094	13 01 44.39	-06 52 32.0		704	1997 GT ₃	1997 04 05.33748	13 05 22.81	-06 48 15.4		704
1997 GX	1997 04 03.30119	13 14 26.95	-06 46 45.9	19.8 V	704	1997 GU ₃	1997 04 11.17758	13 09 00.74	-04 24 06.5	17.9 V	704
1997 GX	1997 04 03.41583	13 14 21.65	-06 46 10.3		704	1997 GU ₃	1997 04 11.23434	13 08 57.65	-04 23 55.5		704
1997 GX	1997 04 11.17599	13 08 25.94	-06 05 43.4	19.8 V	704	1997 GV ₃	1997 04 03.30057	13 15 24.34	-05 26 29.8	18.7 V	704
1997 GX	1997 04 11.17804	13 08 25.72	-06 05 41.4	19.2 V	704	1997 GV ₃	1997 04 03.41535	13 15 16.69	-05 26 18.9		704
1997 GX	1997 04 11.23278	13 08 23.27	-06 05 24.6		704	1997 GV ₃	1997 04 11.17631	13 06 57.64	-05 13 40.4		704
1997 GX	1997 04 11.23481	13 08 23.09	-06 05 24.1		704	1997 GV ₃	1997 04 11.23309	13 06 53.87	-05 13 34.5		704
1997 GN ₁	1997 04 03.27835	12 50 47.82	-08 18 58.0	19.4 V	704	1997 GW ₃	1997 04 11.18228	13 13 22.89	-06 05 24.8	18.4 V	704
1997 GN ₁	1997 04 03.39267	12 50 41.38	-08 18 34.3		704	1997 GW ₃	1997 04 11.23905	13 13 19.75	-06 04 57.6		704
1997 GN ₁	1997 04 07.13807	12 47 20.82	-08 05 35.2	19.4 V	704	1997 GX ₃	1997 04 11.18244	13 13 48.62	-06 23 14.5	18.4 V	704
1997 GN ₁	1997 04 07.21654	12 47 16.57	-08 05 19.3		704	1997 GX ₃	1997 04 11.23921	13 13 45.64	-06 23 08.0		704
1997 GO ₁	1997 03 31.33271	12 53 51.61	-08 45 29.8	19.0 V	704	1997 GA ₄	1997 04 11.17599	13 07 59.21	-06 18 09.2	19.1 V	704
1997 GO ₁	1997 03 31.39816	12 53 47.81	-08 45 08.6		704	1997 GA ₄	1997 04 11.23278	13 07 55.94	-06 18 01.7		704
1997 GO ₁	1997 04 05.25927	12 49 19.82	-08 18 40.8	19.2 V	704	1997 GB ₄	1997 04 03.30119	13 15 12.12	-06 58 22.6	19.4 V	704
1997 GO ₁	1997 04 05.35352	12 49 14.37	-08 18 11.0		704	1997 GB ₄	1997 04 03.41583	13 15 06.31	-06 57 40.1		704
1997 GO ₁	1997 04 06.16795	12 48 29.74	-08 13 41.1	18.2 V	704	1997 GB ₄	1997 04 11.17804	13 08 38.91	-06 08 25.8	18.9 V	704
1997 GO ₁	1997 04 06.23522	12 48 25.97	-08 13 18.7		704	1997 GB ₄	1997 04 11.23481	13 08 35.98	-06 08 04.2		704
1997 GO ₁	1997 04 07.13807	12 47 36.41	-08 08 15.6	18.8 V	704	1997 GU ₅	* 1997 04 02.41150	14 49 04.46	-15 44 34.7	19.7 V	704
1997 GO ₁	1997 04 07.21654	12 47 31.96	-08 07 48.5		704	1997 GU ₅	1997 04 02.45322	14 49 03.20	-15 44 34.5		704
1997 GG ₃	1997 04 03.29665	13 08 49.34	-06 59 08.8	19.8 V	704	1997 GU ₅	1997 04 06.31277	14 47 10.14	-15 43 00.1	19.4 V	704
1997 GG ₃	1997 04 03.41130	13 08 40.90	-06 58 30.4		704	1997 GU ₅	1997 04 06.40720	14 47 06.69	-15 42 56.9		704
1997 GG ₃	1997 04 05.24554	13 06 29.40	-06 48 14.5	19.3 V	704	1997 GV ₅	* 1997 04 02.41167	14 49 02.74	-15 07 47.8	19.5 V	704

1997 GV ₅	1997 04 02.45338	14 49 01.27	-15 07 52.9		704	1997 GF ₆	1997 04 08.42497	14 47 04.24	-10 48 43.0		704
1997 GV ₅	1997 04 06.31292	14 46 43.77	-15 15 23.6	19.6 V	704	1997 GG ₆	* 1997 04 02.41341	14 50 24.61	-12 07 25.5	19.2 V	704
1997 GV ₅	1997 04 06.40736	14 46 39.95	-15 15 32.8		704	1997 GG ₆	1997 04 02.45507	14 50 23.14	-12 07 18.7		704
1997 GW ₅	* 1997 04 02.41202	14 48 59.88	-14 00 32.2	18.8 V	704	1997 GG ₆	1997 04 06.31371	14 48 15.48	-11 56 28.1	18.3 V	704
1997 GW ₅	1997 04 02.45370	14 48 58.91	-14 00 13.4		704	1997 GG ₆	1997 04 06.40814	14 48 11.96	-11 56 11.6		704
1997 GW ₅	1997 04 07.29093	14 46 59.73	-13 22 41.5	18.7 V	704	1997 GG ₆	1997 04 07.29128	14 47 40.35	-11 53 34.1	18.1 V	704
1997 GW ₅	1997 04 07.39604	14 46 56.39	-13 21 49.1		704	1997 GG ₆	1997 04 07.39638	14 47 36.32	-11 53 14.9		704
1997 GX ₅	* 1997 04 02.41237	14 49 06.26	-12 35 02.2	19.8 V	704	1997 GG ₆	1997 04 08.34941	14 47 00.90	-11 50 21.7	18.2 V	704
1997 GX ₅	1997 04 02.45403	14 49 04.79	-12 34 53.6		704	1997 GG ₆	1997 04 08.42466	14 46 57.98	-11 50 08.3		704
1997 GX ₅	1997 04 06.31355	14 46 51.84	-12 22 31.7	19.4 V	704	1997 GH ₆	* 1997 04 02.41358	14 50 08.03	-12 44 31.1	18.6 V	704
1997 GX ₅	1997 04 06.40799	14 46 48.03	-12 22 12.0		704	1997 GH ₆	1997 04 02.45525	14 50 06.90	-12 44 19.3		704
1997 GY ₅	* 1997 04 02.41306	14 49 19.35	-10 53 01.5	20.3 V	704	1997 GH ₆	1997 04 06.31355	14 48 25.92	-12 26 07.2	17.9 V	704
1997 GY ₅	1997 04 02.45473	14 49 17.94	-10 52 48.7		704	1997 GH ₆	1997 04 06.40799	14 48 22.85	-12 25 39.7		704
1997 GY ₅	1997 04 06.31402	14 47 04.65	-10 35 16.6	20.1 V	704	1997 GH ₆	1997 04 07.29110	14 47 56.22	-12 21 14.5	17.9 V	704
1997 GY ₅	1997 04 06.40846	14 47 00.95	-10 34 48.8		704	1997 GH ₆	1997 04 07.39621	14 47 52.66	-12 20 41.7		704
1997 GY ₅	* 1997 04 02.41306	14 51 15.49	-11 02 19.5	19.7 V	704	1997 GH ₆	1997 04 08.34941	14 47 22.04	-12 15 49.2	18.2 V	704
1997 GZ ₅	1997 04 02.45473	14 51 14.26	-11 02 00.1		704	1997 GH ₆	1997 04 08.42466	14 47 19.37	-12 15 25.8		704
1997 GZ ₅	1997 04 06.31417	14 49 20.46	-10 29 35.6	19.7 V	704	1997 GJ ₆	* 1997 04 02.41393	14 51 02.28	-13 36 14.3	19.8 V	704
1997 GZ ₅	1997 04 06.40861	14 49 17.16	-10 28 46.2		704	1997 GJ ₆	1997 04 02.45559	14 51 01.03	-13 36 09.5		704
1997 GA ₆	* 1997 04 02.41323	14 49 24.44	-11 12 38.2	19.2 V	704	1997 GJ ₆	1997 04 08.34910	14 47 50.77	-13 24 54.7		704
1997 GA ₆	1997 04 02.45490	14 49 22.72	-11 12 27.5		704	1997 GJ ₆	1997 04 08.42434	14 47 47.77	-13 24 46.6		704
1997 GA ₆	1997 04 06.31402	14 46 49.85	-10 55 25.7	19.6 V	704	1997 GK ₆	* 1997 04 02.41410	14 50 04.94	-14 29 09.7	19.6 V	704
1997 GA ₆	1997 04 06.40846	14 46 45.82	-10 55 01.9		704	1997 GK ₆	1997 04 02.44535	14 50 03.96	-14 28 31.8		704
1997 GB ₆	* 1997 04 02.41323	14 50 21.13	-11 28 30.3	19.3 V	704	1997 GK ₆	1997 04 06.31339	14 48 03.32	-13 08 30.4	19.6 V	704
1997 GB ₆	1997 04 02.45490	14 50 19.74	-11 28 20.6		704	1997 GK ₆	1997 04 06.40783	14 47 59.71	-13 06 29.9		704
1997 GB ₆	1997 04 06.31386	14 48 14.22	-11 13 45.0	19.3 V	704	1997 GL ₆	* 1997 04 02.41410	14 51 10.47	-14 24 09.4	19.9 V	704
1997 GB ₆	1997 04 06.40830	14 48 10.89	-11 13 22.4		704	1997 GL ₆	1997 04 02.44535	14 51 09.27	-14 24 02.0		704
1997 GC ₆	* 1997 04 02.41323	14 50 23.86	-11 21 52.3	18.3 V	704	1997 GL ₆	1997 04 06.31308	14 48 36.06	-14 06 16.2	19.8 V	704
1997 GC ₆	1997 04 02.45490	14 50 22.62	-11 21 37.7		704	1997 GL ₆	1997 04 06.40752	14 48 31.86	-14 05 48.9		704
1997 GC ₆	1997 04 06.31402	14 48 23.60	-10 58 23.7	18.6 V	704	1997 GM ₆	* 1997 04 02.41427	14 49 27.22	-14 59 45.9	19.4 V	704
1997 GC ₆	1997 04 06.40846	14 48 20.17	-10 57 47.9		704	1997 GM ₆	1997 04 02.45595	14 49 26.20	-14 59 27.8		704
1997 GC ₆	1997 04 07.29163	14 47 49.63	-10 52 15.2	18.1 V	704	1997 GM ₆	1997 04 06.31308	14 47 40.00	-14 33 17.2	19.1 V	704
1997 GC ₆	1997 04 07.39673	14 47 45.67	-10 51 34.8		704	1997 GM ₆	1997 04 06.40752	14 47 37.00	-14 32 37.2		704
1997 GC ₆	1997 04 08.34973	14 47 11.07	-10 45 29.2	18.4 V	704	1997 GN ₆	* 1997 04 02.41462	14 49 18.50	-16 04 31.9	19.3 V	704
1997 GC ₆	1997 04 08.42497	14 47 08.11	-10 45 00.0		704	1997 GN ₆	1997 04 02.44587	14 49 17.49	-16 04 22.6		704
1997 GD ₆	* 1997 04 02.41323	14 50 58.79	-11 24 58.1	19.4 V	704	1997 GN ₆	1997 04 06.31277	14 47 05.85	-15 44 47.0	19.5 V	704
1997 GD ₆	1997 04 02.45490	14 50 57.17	-11 24 57.7		704	1997 GN ₆	1997 04 06.40720	14 47 02.21	-15 44 17.9		704
1997 GD ₆	1997 04 06.31386	14 48 25.54	-11 23 59.4	19.5 V	704	1997 GO ₆	* 1997 04 02.41462	14 50 17.17	-16 17 26.7	18.4 V	704
1997 GD ₆	1997 04 06.40830	14 48 21.21	-11 23 58.1		704	1997 GO ₆	1997 04 02.45629	14 50 15.84	-16 17 21.2		704
1997 GD ₆	1997 04 08.34957	14 46 54.22	-11 23 07.2		704	1997 GO ₆	1997 04 06.31261	14 48 17.25	-16 08 40.8	18.7 V	704
1997 GD ₆	1997 04 08.42481	14 46 50.54	-11 23 05.1		704	1997 GO ₆	1997 04 06.40704	14 48 13.94	-16 08 28.2		704
1997 GE ₆	* 1997 04 02.41341	14 49 18.87	-11 53 47.2	18.9 V	704	1997 GO ₆	1997 04 07.29006	14 47 44.28	-16 06 16.9	18.1 V	704
1997 GE ₆	1997 04 02.45507	14 49 17.73	-11 53 32.8		704	1997 GO ₆	1997 04 07.39517	14 47 40.49	-16 05 59.8		704
1997 GE ₆	1997 04 06.33738	14 47 29.91	-11 30 09.2	19.9 V	704	1997 GO ₆	1997 04 08.34832	14 47 07.29	-16 03 33.6	18.3 V	704
1997 GE ₆	1997 04 06.40830	14 47 27.68	-11 29 42.6		704	1997 GO ₆	1997 04 08.42356	14 47 04.46	-16 03 21.4		704
1997 GF ₆	* 1997 04 02.41341	14 49 43.98	-11 58 56.2	19.3 V	704	1997 GP ₆	* 1997 04 02.41462	14 51 06.45	-15 56 00.0	18.6 V	704
1997 GF ₆	1997 04 02.45507	14 49 42.95	-11 58 28.3		704	1997 GP ₆	1997 04 02.44587	14 51 05.33	-15 55 59.9		704
1997 GF ₆	1997 04 06.31386	14 48 05.20	-11 13 58.4	19.6 V	704	1997 GP ₆	1997 04 06.31261	14 48 42.63	-15 55 29.8	18.4 V	704
1997 GF ₆	1997 04 06.40830	14 48 02.46	-11 12 51.6		704	1997 GP ₆	1997 04 06.40704	14 48 38.59	-15 55 27.2		704
1997 GF ₆	1997 04 07.29163	14 47 37.78	-11 02 21.1	19.3 V	704	1997 GQ ₆	* 1997 04 02.41497	14 49 54.40	-17 24 23.9	19.3 V	704
1997 GF ₆	1997 04 07.39673	14 47 34.64	-11 01 06.4		704	1997 GQ ₆	1997 04 02.45663	14 49 52.88	-17 24 22.1		704
1997 GF ₆	1997 04 08.34973	14 47 06.57	-10 49 38.2		704	1997 GQ ₆	1997 04 06.31229	14 47 29.61	-17 21 08.6	19.0 V	704

1997 GQ ₆	1997 04 06.40673	14 47 25.61	-17 21 03.0		704	1997 GC ₇	1997 04 02.45837	14 52 25.00	-14 22 13.1		704
1997 GR ₆	* 1997 04 02.41497	14 51 16.00	-17 14 20.6	19.5 V	704	1997 GC ₇	1997 04 06.31511	14 50 15.63	-14 09 41.7	19.1 V	704
1997 GR ₆	1997 04 02.45663	14 51 14.22	-17 14 18.8		704	1997 GC ₇	1997 04 06.40955	14 50 11.99	-14 09 21.7		704
1997 GR ₆	1997 04 06.31229	14 48 23.17	-17 09 45.5	19.7 V	704	1997 GC ₇	1997 04 08.34894	14 48 56.94	-14 02 20.3		704
1997 GR ₆	1997 04 06.40673	14 48 18.38	-17 09 39.7		704	1997 GC ₇	1997 04 08.42418	14 48 53.78	-14 02 03.8		704
1997 GS ₆	* 1997 04 02.41532	14 49 32.03	-18 34 57.2	20.0 V	704	1997 GD ₇	* 1997 04 02.41671	14 53 40.72	-14 37 53.9	19.9 V	704
1997 GS ₆	1997 04 02.44656	14 49 30.93	-18 35 01.0		704	1997 GD ₇	1997 04 02.45837	14 53 39.46	-14 37 48.8		704
1997 GS ₆	1997 04 06.31198	14 47 05.28	-18 41 56.5	19.3 V	704	1997 GD ₇	1997 04 06.31745	14 51 46.10	-14 29 46.9	19.4 V	704
1997 GS ₆	1997 04 06.40641	14 47 01.13	-18 42 05.5		704	1997 GD ₇	1997 04 06.38822	14 51 43.75	-14 29 37.2		704
1997 GT ₆	* 1997 04 02.41532	14 51 11.43	-18 48 33.3	19.9 V	704	1997 GD ₇	1997 04 08.35097	14 50 39.34	-14 25 04.9		704
1997 GT ₆	1997 04 02.45698	14 51 09.73	-18 48 31.6		704	1997 GD ₇	1997 04 08.42606	14 50 36.63	-14 24 54.0		704
1997 GT ₆	1997 04 06.31198	14 48 29.41	-18 44 25.4	19.2 V	704	1997 GE ₇	* 1997 04 02.41688	14 52 33.40	-14 02 49.0	20.4 V	704
1997 GT ₆	1997 04 06.40641	14 48 24.88	-18 44 18.7		704	1997 GE ₇	1997 04 02.45854	14 52 32.06	-14 02 31.9		704
1997 GU ₆	* 1997 04 02.41549	14 51 57.63	-18 35 41.6	19.0 V	704	1997 GE ₇	1997 04 06.31496	14 50 32.24	-13 37 18.8	20.2 V	704
1997 GU ₆	1997 04 02.45716	14 51 56.03	-18 35 46.4		704	1997 GE ₇	1997 04 06.40939	14 50 28.92	-13 36 40.2		704
1997 GU ₆	1997 04 07.28936	14 48 49.83	-18 44 12.4	19.3 V	704	1997 GE ₇	1997 04 08.35066	14 49 21.69	-13 23 20.9		704
1997 GU ₆	1997 04 07.39447	14 48 45.17	-18 44 22.7		704	1997 GE ₇	1997 04 08.42575	14 49 18.78	-13 22 48.4		704
1997 GV ₆	* 1997 04 02.41549	14 54 06.86	-18 49 35.1	19.9 V	704	1997 GF ₇	* 1997 04 02.41706	14 53 24.07	-12 57 38.1	20.2 V	704
1997 GV ₆	1997 04 02.45716	14 54 05.82	-18 49 32.2		704	1997 GF ₇	1997 04 02.45872	14 53 22.44	-12 57 27.5		704
1997 GV ₆	1997 04 06.31636	14 52 34.56	-18 43 55.9	19.0 V	704	1997 GF ₇	1997 04 08.35035	14 49 28.54	-12 32 16.9		704
1997 GV ₆	1997 04 06.41082	14 52 31.71	-18 43 45.9		704	1997 GF ₇	1997 04 08.41144	14 49 25.65	-12 31 59.9		704
1997 GV ₆	1997 04 08.35206	14 51 34.98	-18 40 00.6		704	1997 GG ₇	* 1997 04 02.41723	14 52 16.99	-12 51 30.0	20.2 V	704
1997 GV ₆	1997 04 08.42717	14 51 32.48	-18 39 52.8		704	1997 GG ₇	1997 04 02.45889	14 52 15.50	-12 51 16.9		704
1997 GW ₆	* 1997 04 02.41567	14 52 40.53	-17 50 17.2	19.7 V	704	1997 GG ₇	1997 04 08.34925	14 48 33.08	-12 21 01.9		704
1997 GW ₆	1997 04 02.45733	14 52 39.25	-17 49 59.9		704	1997 GG ₇	1997 04 08.42450	14 48 29.80	-12 20 36.1		704
1997 GW ₆	1997 04 08.35175	14 49 29.57	-17 09 16.2		704	1997 GH ₇	* 1997 04 02.41723	14 53 05.97	-12 34 18.9	19.8 V	704
1997 GW ₆	1997 04 08.42685	14 49 26.84	-17 08 41.7		704	1997 GH ₇	1997 04 02.45889	14 53 04.65	-12 34 14.7		704
1997 GX ₆	* 1997 04 02.41618	14 53 42.64	-16 21 28.7	19.8 V	704	1997 GH ₇	1997 04 06.33816	14 50 51.48	-12 23 51.3	18.9 V	704
1997 GX ₆	1997 04 02.45785	14 53 40.91	-16 21 29.0		704	1997 GH ₇	1997 04 06.40908	14 50 48.69	-12 23 39.7		704
1997 GX ₆	1997 04 06.31558	14 51 04.54	-16 21 43.3	19.2 V	704	1997 GJ ₇	* 1997 04 02.41740	14 51 43.27	-11 54 39.4	19.3 V	704
1997 GX ₆	1997 04 06.38634	14 51 01.35	-16 21 44.1		704	1997 GJ ₇	1997 04 02.45907	14 51 41.74	-11 54 26.7		704
1997 GY ₆	* 1997 04 02.41618	14 53 43.14	-16 20 55.3	19.8 V	704	1997 GJ ₇	1997 04 08.34957	14 47 55.40	-11 22 11.8		704
1997 GY ₆	1997 04 02.44743	14 53 42.01	-16 20 59.6		704	1997 GJ ₇	1997 04 08.42481	14 47 52.04	-11 21 46.0		704
1997 GY ₆	1997 04 08.35159	14 49 32.70	-16 33 00.2		704	1997 GK ₇	* 1997 04 02.41740	14 51 54.06	-12 12 44.3	19.3 V	704
1997 GY ₆	1997 04 08.42669	14 49 28.99	-16 33 07.9		704	1997 GK ₇	1997 04 02.45907	14 51 53.10	-12 12 21.2		704
1997 GZ ₆	* 1997 04 02.41653	14 52 04.49	-14 56 11.1	19.6 V	704	1997 GK ₇	1997 04 07.29198	14 49 55.93	-11 27 25.5	18.9 V	704
1997 GZ ₆	1997 04 02.45820	14 52 03.01	-14 56 08.4		704	1997 GK ₇	1997 04 07.39708	14 49 52.85	-11 26 23.4		704
1997 GZ ₆	1997 04 06.31527	14 49 43.42	-14 52 18.7	20.0 V	704	1997 GL ₇	* 1997 04 02.41740	14 52 38.19	-12 14 04.5	19.4 V	704
1997 GZ ₆	1997 04 06.40971	14 49 39.44	-14 52 11.2		704	1997 GL ₇	1997 04 02.45907	14 52 36.85	-12 13 47.5		704
1997 GA ₇	* 1997 04 02.41653	14 52 13.65	-14 45 40.6	19.8 V	704	1997 GL ₇	1997 04 08.35004	14 49 15.56	-11 32 53.6		704
1997 GA ₇	1997 04 02.45820	14 52 12.17	-14 45 36.3		704	1997 GL ₇	1997 04 08.42528	14 49 12.55	-11 32 20.3		704
1997 GA ₇	1997 04 06.31511	14 49 48.17	-14 38 15.0	20.2 V	704	1997 GM ₇	* 1997 04 02.41775	14 52 06.95	-10 41 46.1	18.4 V	704
1997 GA ₇	1997 04 06.40955	14 49 44.16	-14 38 02.5		704	1997 GM ₇	1997 04 02.45941	14 52 05.07	-10 41 48.7		704
1997 GB ₇	* 1997 04 02.41653	14 53 39.87	-15 07 46.1	18.3 V	704	1997 GM ₇	1997 04 06.31402	14 49 01.21	-10 44 51.2	18.6 V	704
1997 GB ₇	1997 04 02.45820	14 53 38.31	-15 07 42.3		704	1997 GM ₇	1997 04 06.40846	14 48 56.29	-10 44 55.7		704
1997 GB ₇	1997 04 06.31527	14 51 18.83	-15 02 02.4	18.6 V	704	1997 GN ₇	* 1997 04 02.41775	14 52 28.31	-10 50 52.8	19.8 V	704
1997 GB ₇	1997 04 06.40971	14 51 14.92	-15 01 53.5		704	1997 GN ₇	1997 04 02.45941	14 52 26.75	-10 50 57.4		704
1997 GB ₇	1997 04 07.29302	14 50 39.51	-15 00 22.3	18.2 V	704	1997 GN ₇	1997 04 06.31417	14 49 55.10	-10 57 06.7	19.7 V	704
1997 GB ₇	1997 04 07.39828	14 50 34.94	-15 00 10.9		704	1997 GN ₇	1997 04 06.40861	14 49 50.87	-10 57 14.4		704
1997 GB ₇	1997 04 08.35112	14 49 55.11	-14 58 27.7		704	1997 GO ₇	* 1997 04 02.41775	14 53 36.85	-10 45 05.6	19.3 V	704
1997 GB ₇	1997 04 08.42622	14 49 51.76	-14 58 17.8		704	1997 GO ₇	1997 04 02.45941	14 53 35.17	-10 44 58.4		704
1997 GC ₇	* 1997 04 02.41671	14 52 26.41	-14 22 21.4	19.2 V	704	1997 GO ₇	1997 04 06.31417	14 50 55.83	-10 34 45.3	19.3 V	704

1997 GO ₇	1997 04 06.40861	14 50 51.42	-10 34 29.9		704	1997 GY ₇	1997 04 07.39811	14 51 13.90	-14 10 46.3		704
1997 GO ₇	1997 04 07.29181	14 50 11.41	-10 32 00.4	20.1 V	704	1997 GZ ₇	* 1997 04 02.41896	14 54 16.31	-14 36 36.8	20.1 V	704
1997 GO ₇	1997 04 07.39690	14 50 06.44	-10 31 42.1		704	1997 GZ ₇	1997 04 02.46063	14 54 14.79	-14 36 37.6		704
1997 GP ₇	* 1997 04 02.41809	14 55 55.26	-11 27 52.5	20.2 V	704	1997 GZ ₇	1997 04 07.29285	14 51 18.02	-14 39 02.9	19.9 V	704
1997 GP ₇	1997 04 02.44934	14 55 54.23	-11 27 48.6		704	1997 GZ ₇	1997 04 07.39811	14 51 13.79	-14 39 04.5		704
1997 GP ₇	1997 04 06.31824	14 53 48.16	-11 16 53.6	19.6 V	704	1997 GZ ₇	1997 04 08.35097	14 50 35.79	-14 39 25.1		704
1997 GP ₇	1997 04 06.41272	14 53 44.72	-11 16 37.3		704	1997 GZ ₇	1997 04 08.42606	14 50 32.65	-14 39 25.8		704
1997 GQ ₇	* 1997 04 02.41827	14 54 09.61	-12 00 14.5	18.7 V	704	1997 GA ₈	* 1997 04 02.41896	14 54 27.95	-14 12 08.9	20.1 V	704
1997 GQ ₇	1997 04 02.45993	14 54 07.86	-12 00 14.4		704	1997 GA ₈	1997 04 02.46063	14 54 26.63	-14 12 14.9		704
1997 GQ ₇	1997 04 06.33800	14 51 27.99	-11 59 30.8	16.2 V	704	1997 GA ₈	1997 04 06.31745	14 52 14.65	-14 22 23.1	19.8 V	704
1997 GQ ₇	1997 04 06.40892	14 51 24.84	-11 59 29.3		704	1997 GA ₈	1997 04 06.38822	14 52 11.89	-14 22 34.4		704
1997 GQ ₇	1997 04 07.29215	14 50 46.12	-11 59 13.6	18.1 V	704	1997 GB ₈	* 1997 04 02.41931	14 55 50.71	-15 21 29.0	19.8 V	704
1997 GQ ₇	1997 04 07.39725	14 50 41.32	-11 59 11.4		704	1997 GB ₈	1997 04 02.46098	14 55 49.58	-15 21 22.3		704
1997 GQ ₇	1997 04 08.35020	14 49 58.54	-11 58 52.2	18.3 V	704	1997 GB ₈	1997 04 06.31965	14 53 57.33	-15 09 57.7	20.2 V	704
1997 GQ ₇	1997 04 08.42544	14 49 54.99	-11 58 50.9		704	1997 GB ₈	1997 04 06.41412	14 53 53.92	-15 09 39.8		704
1997 GR ₇	* 1997 04 02.41827	14 55 26.17	-12 16 32.6	19.9 V	704	1997 GC ₈	* 1997 04 02.41948	14 55 00.52	-16 18 30.2	19.8 V	704
1997 GR ₇	1997 04 02.44952	14 55 24.67	-12 16 41.3		704	1997 GC ₈	1997 04 02.46115	14 54 58.77	-16 18 31.2		704
1997 GR ₇	1997 04 06.34144	14 52 10.07	-12 36 12.8	20.6 V	704	1997 GC ₈	1997 04 06.31698	14 52 12.67	-16 19 16.1	19.5 V	704
1997 GR ₇	1997 04 06.41240	14 52 06.14	-12 36 32.3		704	1997 GC ₈	1997 04 06.41145	14 52 08.13	-16 19 16.8		704
1997 GS ₇	* 1997 04 02.41844	14 54 50.49	-12 46 38.3	20.0 V	704	1997 GD ₈	* 1997 04 02.41966	14 55 44.05	-16 45 23.0	18.9 V	704
1997 GS ₇	1997 04 02.46011	14 54 49.03	-12 46 24.3		704	1997 GD ₈	1997 04 02.46133	14 55 42.93	-16 45 19.0		704
1997 GS ₇	1997 04 08.35020	14 51 14.10	-12 14 10.0		704	1997 GD ₈	1997 04 08.35269	14 53 06.25	-16 35 28.6	18.7 V	704
1997 GS ₇	1997 04 08.42544	14 51 10.93	-12 13 44.4		704	1997 GD ₈	1997 04 08.42780	14 53 03.56	-16 35 19.3		704
1997 GT ₇	* 1997 04 02.41844	14 55 46.85	-12 29 28.5	19.3 V	704	1997 GE ₈	* 1997 04 02.41983	14 55 58.06	-17 13 01.3	19.6 V	704
1997 GT ₇	1997 04 02.46011	14 55 45.40	-12 29 16.4		704	1997 GE ₈	1997 04 02.46150	14 55 56.51	-17 12 55.9		704
1997 GT ₇	1997 04 06.31808	14 53 32.20	-12 09 21.8	19.2 V	704	1997 GE ₈	1997 04 06.31683	14 53 33.82	-17 02 33.6	19.9 V	704
1997 GT ₇	1997 04 06.41256	14 53 28.42	-12 08 51.5		704	1997 GE ₈	1997 04 06.41129	14 53 29.85	-17 02 18.7		704
1997 GT ₇	1997 04 08.35395	14 52 12.24	-11 58 16.5	18.5 V	704	1997 GF ₈	* 1997 04 02.41983	14 56 15.46	-17 24 05.0	19.6 V	704
1997 GT ₇	1997 04 08.42906	14 52 08.98	-11 57 51.9		704	1997 GF ₈	1997 04 02.46150	14 56 14.09	-17 24 09.3		704
1997 GU ₇	* 1997 04 02.41844	14 56 16.46	-12 41 18.4	20.2 V	704	1997 GF ₈	1997 04 06.32028	14 54 12.77	-17 31 44.3	19.4 V	704
1997 GU ₇	1997 04 02.44969	14 56 15.44	-12 41 14.1		704	1997 GF ₈	1997 04 06.41475	14 54 09.08	-17 31 53.4		704
1997 GU ₇	1997 04 08.35379	14 52 47.26	-12 26 35.2		704	1997 GG ₈	* 1997 04 02.41983	14 56 20.67	-17 39 09.6	20.2 V	704
1997 GU ₇	1997 04 08.42890	14 52 44.09	-12 26 22.1		704	1997 GG ₈	1997 04 02.46150	14 56 19.24	-17 38 57.7		704
1997 GV ₇	* 1997 04 02.41861	14 55 24.62	-13 14 19.3	20.1 V	704	1997 GG ₈	1997 04 06.32028	14 54 10.68	-17 20 34.4	19.7 V	704
1997 GV ₇	1997 04 02.46028	14 55 23.00	-13 14 15.9		704	1997 GG ₈	1997 04 06.41475	14 54 07.04	-17 20 05.6		704
1997 GV ₇	1997 04 06.31777	14 52 42.38	-13 10 47.0	19.9 V	704	1997 GG ₈	1997 04 08.35253	14 52 53.72	-17 10 02.6		704
1997 GV ₇	1997 04 06.41225	14 52 37.92	-13 10 40.9		704	1997 GG ₈	1997 04 08.42764	14 52 50.53	-17 09 38.9		704
1997 GW ₇	* 1997 04 02.41861	14 55 25.80	-13 21 48.1	19.8 V	704	1997 GH ₈	* 1997 04 02.42000	14 55 00.97	-18 07 14.1	19.7 V	704
1997 GW ₇	1997 04 02.46028	14 55 24.18	-13 21 40.9		704	1997 GH ₈	1997 04 02.46167	14 54 59.77	-18 07 04.6		704
1997 GW ₇	1997 04 06.31777	14 52 50.71	-13 11 38.3	20.1 V	704	1997 GH ₈	1997 04 06.31652	14 53 08.53	-17 52 10.8	19.1 V	704
1997 GW ₇	1997 04 06.41225	14 52 46.53	-13 11 24.3		704	1997 GH ₈	1997 04 06.41097	14 53 05.15	-17 51 46.6		704
1997 GX ₇	* 1997 04 02.41879	14 56 09.29	-13 47 31.2	19.8 V	704	1997 GJ ₈	* 1997 04 02.42035	14 58 27.43	-18 23 44.0	18.9 V	704
1997 GX ₇	1997 04 02.45004	14 56 08.28	-13 47 25.3		704	1997 GJ ₈	1997 04 02.46202	14 58 26.20	-18 23 33.6		704
1997 GX ₇	1997 04 06.31934	14 54 03.57	-13 37 12.3	20.2 V	704	1997 GJ ₈	1997 04 08.35630	14 55 25.20	-17 57 02.9		704
1997 GX ₇	1997 04 06.41381	14 54 00.26	-13 36 56.7		704	1997 GJ ₈	1997 04 08.43141	14 55 22.62	-17 56 40.2		704
1997 GX ₇	1997 04 08.35347	14 52 52.59	-13 31 28.7		704	1997 GK ₈	* 1997 04 02.42035	14 58 36.02	-18 19 54.1	19.8 V	704
1997 GX ₇	1997 04 08.42858	14 52 49.87	-13 31 15.8		704	1997 GK ₈	1997 04 02.46202	14 58 34.82	-18 19 50.4		704
1997 GY ₇	* 1997 04 02.41896	14 54 15.93	-14 25 09.5	19.5 V	704	1997 GK ₈	1997 04 06.32091	14 56 45.86	-18 14 55.8	19.5 V	704
1997 GY ₇	1997 04 02.46063	14 54 14.45	-14 25 02.6		704	1997 GK ₈	1997 04 06.41537	14 56 42.76	-18 14 46.5		704
1997 GY ₇	1997 04 06.31745	14 51 56.26	-14 14 04.8	18.8 V	704	1997 GK ₈	1997 04 08.35630	14 55 40.45	-18 11 41.3		704
1997 GY ₇	1997 04 06.38822	14 51 53.41	-14 13 52.2		704	1997 GK ₈	1997 04 08.43141	14 55 37.79	-18 11 33.9		704
1997 GY ₇	1997 04 07.29285	14 51 18.26	-14 11 05.3	18.5 V	704	1997 GL ₈	* 1997 04 02.42052	14 56 33.92	-18 01 05.5	18.5 V	704

1997 GL ₈	1997 04 02.46220	14 56 32.51	-18 01 06.9		704	1997 GW ₈	1997 04 05.35074	12 48 47.99	-06 05 40.4		704
1997 GL ₈	1997 04 08.35237	14 53 10.68	-18 02 36.3	18.7 V	704	1997 GW ₈	1997 04 07.13872	12 47 26.87	-05 58 24.2	19.4 V	704
1997 GL ₈	1997 04 08.42748	14 53 07.45	-18 02 36.6		704	1997 GW ₈	1997 04 07.21716	12 47 23.17	-05 58 05.0		704
1997 GM ₈	* 1997 04 02.42052	14 57 52.91	-18 02 59.1	20.2 V	704	1997 GX ₈	* 1997 04 03.27788	12 51 00.56	-06 29 58.2	20.1 V	704
1997 GM ₈	1997 04 02.45191	14 57 51.89	-18 02 51.7		704	1997 GX ₈	1997 04 03.39221	12 50 53.75	-06 29 11.9		704
1997 GM ₈	1997 04 06.32043	14 55 40.07	-17 47 16.2	20.3 V	704	1997 GX ₈	1997 04 07.13872	12 47 22.32	-06 03 38.4	19.4 V	704
1997 GM ₈	1997 04 06.41490	14 55 36.61	-17 46 53.8		704	1997 GX ₈	1997 04 07.21716	12 47 17.81	-06 03 06.6		704
1997 GN ₈	* 1997 04 02.42052	14 57 54.24	-17 44 28.4	19.6 V	704	1997 GY ₈	* 1997 04 03.27788	12 51 02.75	-06 40 10.8	19.6 V	704
1997 GN ₈	1997 04 02.46220	14 57 52.95	-17 44 27.0		704	1997 GY ₈	1997 04 03.39221	12 50 56.67	-06 39 26.9		704
1997 GN ₈	1997 04 06.32043	14 55 55.00	-17 41 55.0	19.7 V	704	1997 GY ₈	1997 04 05.25875	12 49 21.64	-06 27 34.8	18.9 V	704
1997 GN ₈	1997 04 06.41490	14 55 51.77	-17 41 51.2		704	1997 GY ₈	1997 04 05.35300	12 49 16.72	-06 26 59.6		704
1997 GN ₈	1997 04 08.35614	14 54 45.83	-17 40 07.3		704	1997 GY ₈	1997 04 07.13857	12 47 46.69	-06 15 36.5	19.2 V	704
1997 GN ₈	1997 04 08.43125	14 54 43.07	-17 40 03.0		704	1997 GY ₈	1997 04 07.21701	12 47 42.59	-06 15 06.0		704
1997 GO ₈	* 1997 04 03.27710	12 51 31.30	-03 14 01.9	19.5 V	704	1997 GZ ₈	* 1997 04 03.27788	12 51 02.79	-06 11 46.8	19.4 V	704
1997 GO ₈	1997 04 03.39142	12 51 25.76	-03 13 00.8		704	1997 GZ ₈	1997 04 03.39221	12 50 55.96	-06 09 27.6		704
1997 GO ₈	1997 04 05.22639	12 50 00.30	-02 56 50.3	18.5 V	704	1997 GZ ₈	1997 04 06.14793	12 48 20.74	-05 13 28.8	19.3 V	704
1997 GO ₈	1997 04 05.32061	12 49 55.76	-02 56 02.5		704	1997 GZ ₈	1997 04 06.21483	12 48 16.82	-05 12 08.4		704
1997 GO ₈	1997 04 07.13950	12 48 31.39	-02 40 10.0	19.6 V	704	1997 GZ ₈	1997 04 07.13903	12 47 25.23	-04 53 24.8	19.4 V	704
1997 GO ₈	1997 04 07.21795	12 48 27.61	-02 39 28.4		704	1997 GZ ₈	1997 04 07.21748	12 47 20.74	-04 51 48.3		704
1997 GP ₈	* 1997 04 03.27726	12 49 30.38	-04 13 16.7	19.7 V	704	1997 GA ₉	* 1997 04 03.27819	12 50 17.80	-07 29 02.0	19.5 V	704
1997 GP ₈	1997 04 03.39158	12 49 24.25	-04 11 37.4		704	1997 GA ₉	1997 04 03.39252	12 50 11.81	-07 28 14.4		704
1997 GP ₈	1997 04 05.22587	12 47 50.04	-03 45 07.9	19.1 V	704	1997 GA ₉	1997 04 07.15723	12 47 03.78	-07 02 54.9	19.6 V	704
1997 GP ₈	1997 04 05.35143	12 47 43.37	-03 43 19.8		704	1997 GA ₉	1997 04 07.21685	12 47 00.63	-07 02 30.9		704
1997 GQ ₈	* 1997 04 03.27726	12 50 50.61	-03 48 50.0	19.3 V	704	1997 GB ₉	* 1997 04 03.27835	12 49 56.77	-08 04 59.3	19.5 V	704
1997 GQ ₈	1997 04 03.39158	12 50 45.27	-03 47 59.1		704	1997 GB ₉	1997 04 03.39267	12 49 50.21	-08 04 19.0		704
1997 GQ ₈	1997 04 07.15817	12 47 55.12	-03 19 56.2	19.6 V	704	1997 GB ₉	1997 04 05.22465	12 48 10.68	-07 53 22.7	18.8 V	704
1997 GQ ₈	1997 04 07.21779	12 47 52.35	-03 19 30.5		704	1997 GB ₉	1997 04 05.31887	12 48 05.26	-07 52 53.3		704
1997 GR ₈	* 1997 04 03.27726	12 51 02.55	-04 16 25.2	20.1 V	704	1997 GC ₉	* 1997 04 03.27835	12 50 14.85	-08 24 37.5	19.8 V	704
1997 GR ₈	1997 04 03.39158	12 50 56.65	-04 16 01.2		704	1997 GC ₉	1997 04 03.39267	12 50 08.46	-08 24 12.1		704
1997 GR ₈	1997 04 07.13919	12 47 52.54	-04 05 18.5	19.3 V	704	1997 GC ₉	1997 04 07.15692	12 46 47.35	-08 10 24.3	19.4 V	704
1997 GR ₈	1997 04 07.21763	12 47 48.50	-04 05 04.6		704	1997 GC ₉	1997 04 07.21654	12 46 44.12	-08 10 10.2		704
1997 GS ₈	* 1997 04 03.27741	12 51 04.90	-04 40 03.0	19.8 V	704	1997 GD ₉	* 1997 04 03.27835	12 51 25.41	-08 07 10.1	19.5 V	704
1997 GS ₈	1997 04 03.39173	12 50 59.11	-04 39 24.6		704	1997 GD ₉	1997 04 03.39267	12 51 18.63	-08 06 38.1		704
1997 GS ₈	1997 04 05.25823	12 49 29.38	-04 28 29.9	19.8 V	704	1997 GD ₉	1997 04 05.25927	12 49 33.47	-07 57 57.6	18.8 V	704
1997 GS ₈	1997 04 05.35248	12 49 24.81	-04 27 56.9		704	1997 GD ₉	1997 04 05.35352	12 49 27.88	-07 57 30.2		704
1997 GT ₈	* 1997 04 03.27757	12 50 35.48	-05 28 55.8	20.0 V	704	1997 GD ₉	1997 04 07.13823	12 47 47.87	-07 49 05.0	19.4 V	704
1997 GT ₈	1997 04 03.39189	12 50 28.68	-05 28 08.8		704	1997 GD ₉	1997 04 07.21670	12 47 43.25	-07 48 43.3		704
1997 GT ₈	1997 04 06.14793	12 47 51.61	-05 09 31.0	19.3 V	704	1997 GE ₉	* 1997 04 03.27851	12 50 58.34	-08 49 28.2	19.3 V	704
1997 GT ₈	1997 04 06.21483	12 47 47.61	-05 09 03.7		704	1997 GE ₉	1997 04 03.39284	12 50 51.46	-08 48 48.8		704
1997 GT ₈	1997 04 07.15770	12 46 53.89	-05 02 39.0	20.1 V	704	1997 GE ₉	1997 04 07.15692	12 47 12.19	-08 26 34.1	20.1 V	704
1997 GT ₈	1997 04 07.21732	12 46 50.33	-05 02 15.7		704	1997 GE ₉	1997 04 07.21654	12 47 08.64	-08 26 11.6		704
1997 GU ₈	* 1997 04 03.27757	12 51 03.87	-05 20 18.2	20.0 V	704	1997 GF ₉	* 1997 04 03.27867	12 49 34.29	-09 08 31.5	18.3 V	704
1997 GU ₈	1997 04 03.39189	12 50 57.55	-05 19 41.3		704	1997 GF ₉	1997 04 03.39299	12 49 28.79	-09 07 15.1		704
1997 GU ₈	1997 04 07.15770	12 47 34.85	-05 00 06.6	20.3 V	704	1997 GF ₉	1997 04 05.22447	12 48 05.81	-08 46 57.8	18.6 V	704
1997 GU ₈	1997 04 07.21732	12 47 31.59	-04 59 48.4		704	1997 GF ₉	1997 04 05.35005	12 47 59.77	-08 45 34.5		704
1997 GV ₈	* 1997 04 03.27773	12 49 36.16	-05 46 33.0	19.3 V	704	1997 GF ₉	1997 04 06.14689	12 47 23.99	-08 36 40.9	18.3 V	704
1997 GV ₈	1997 04 03.39205	12 49 29.67	-05 46 13.1		704	1997 GF ₉	1997 04 06.23505	12 47 19.85	-08 35 43.3		704
1997 GV ₈	1997 04 05.22535	12 47 48.19	-05 40 49.3	18.8 V	704	1997 GG ₉	* 1997 04 03.27867	12 51 06.21	-09 33 55.0	19.2 V	704
1997 GV ₈	1997 04 05.35091	12 47 41.24	-05 40 27.0		704	1997 GG ₉	1997 04 03.39299	12 50 59.39	-09 33 05.8		704
1997 GW ₈	* 1997 04 03.27788	12 50 22.74	-06 14 02.3	20.0 V	704	1997 GG ₉	1997 04 05.25562	12 49 11.85	-09 19 27.3	18.2 V	704
1997 GW ₈	1997 04 03.39221	12 50 17.39	-06 13 35.0		704	1997 GG ₉	1997 04 05.34987	12 49 06.21	-09 18 45.0		704
1997 GW ₈	1997 04 05.22518	12 48 53.70	-06 06 09.7	19.0 V	704	1997 GH ₉	* 1997 04 03.27883	12 49 31.64	-09 54 58.6	18.5 V	704

1997 GH ₉	1997 04 03.39315	12 49 24.36	-09 54 33.9		704	1997 GS ₉	1997 04 06.21708	12 50 17.53	-07 45 11.9		704
1997 GH ₉	1997 04 05.25545	12 47 31.09	-09 47 56.3	19.0 V	704	1997 GS ₉	1997 04 07.15974	12 49 29.30	-07 42 39.8	19.8 V	704
1997 GH ₉	1997 04 05.34970	12 47 25.07	-09 47 35.1		704	1997 GS ₉	1997 04 07.21935	12 49 26.07	-07 42 30.3		704
1997 GJ ₉	* 1997 04 03.27883	12 50 16.71	-09 51 18.5	18.5 V	704	1997 GT ₉	* 1997 04 03.27994	12 53 27.63	-07 23 50.4	19.2 V	704
1997 GJ ₉	1997 04 03.39315	12 50 11.04	-09 50 14.1		704	1997 GT ₉	1997 04 03.39426	12 53 20.88	-07 23 05.7		704
1997 GJ ₉	1997 04 05.25562	12 48 41.27	-09 32 27.0	18.7 V	704	1997 GT ₉	1997 04 07.14075	12 49 49.61	-06 58 21.9	19.4 V	704
1997 GJ ₉	1997 04 05.34987	12 48 36.65	-09 31 33.3		704	1997 GT ₉	1997 04 07.21920	12 49 45.13	-06 57 51.5		704
1997 GJ ₉	1997 04 07.13776	12 47 11.01	-09 14 22.1	19.0 V	704	1997 GU ₉	* 1997 04 03.27994	12 53 45.04	-07 23 10.3	19.8 V	704
1997 GJ ₉	1997 04 07.21608	12 47 07.14	-09 13 37.2		704	1997 GU ₉	1997 04 03.39426	12 53 39.01	-07 22 27.6		704
1997 GK ₉	* 1997 04 03.27914	12 52 25.83	-10 44 52.9	18.7 V	704	1997 GU ₉	1997 04 07.14075	12 50 29.03	-06 58 59.6	19.4 V	704
1997 GK ₉	1997 04 03.39347	12 52 18.00	-10 44 37.4		704	1997 GU ₉	1997 04 07.21920	12 50 24.87	-06 58 30.1		704
1997 GK ₉	1997 04 05.25996	12 50 13.64	-10 40 23.8	18.6 V	704	1997 GV ₉	* 1997 04 03.28044	12 51 43.97	-05 47 50.3	19.2 V	704
1997 GK ₉	1997 04 05.35421	12 50 07.18	-10 40 11.7		704	1997 GV ₉	1997 04 03.39473	12 51 36.93	-05 46 58.5		704
1997 GK ₉	1997 04 07.13744	12 48 09.07	-10 35 52.5	19.3 V	704	1997 GV ₉	1997 04 07.13888	12 47 52.75	-05 19 19.3	19.2 V	704
1997 GK ₉	1997 04 07.21577	12 48 03.73	-10 35 42.7		704	1997 GV ₉	1997 04 07.21732	12 47 47.83	-05 18 44.1		704
1997 GL ₉	* 1997 04 03.27914	12 52 53.78	-10 42 57.9	19.3 V	704	1997 GW ₉	* 1997 04 03.28044	12 53 15.14	-05 36 30.8	19.3 V	704
1997 GL ₉	1997 04 03.39347	12 52 46.16	-10 42 58.3		704	1997 GW ₉	1997 04 03.39473	12 53 09.30	-05 35 51.7		704
1997 GL ₉	1997 04 07.15629	12 48 42.13	-10 41 58.3	19.8 V	704	1997 GW ₉	1997 04 05.26171	12 51 38.99	-05 25 00.5	19.0 V	704
1997 GL ₉	1997 04 07.21577	12 48 38.15	-10 41 58.6		704	1997 GW ₉	1997 04 05.35595	12 51 34.14	-05 24 25.7		704
1997 GM ₉	* 1997 04 03.27914	12 53 37.54	-10 45 21.7	19.5 V	704	1997 GW ₉	1997 04 07.14028	12 50 08.01	-05 14 06.9	19.6 V	704
1997 GM ₉	1997 04 03.39347	12 53 32.33	-10 44 36.9		704	1997 GW ₉	1997 04 07.19978	12 50 05.20	-05 13 46.1		704
1997 GM ₉	1997 04 07.16052	12 50 47.31	-10 18 57.7	19.4 V	704	1997 GX ₉	* 1997 04 03.28059	12 52 18.49	-05 02 39.5	19.5 V	704
1997 GM ₉	1997 04 07.22014	12 50 44.56	-10 18 33.9		704	1997 GX ₉	1997 04 03.39489	12 52 12.21	-05 01 42.6		704
1997 GN ₉	* 1997 04 03.27930	12 52 15.47	-10 14 52.1	18.8 V	704	1997 GX ₉	1997 04 07.15785	12 48 54.98	-04 30 27.3	20.0 V	704
1997 GN ₉	1997 04 03.39362	12 52 08.02	-10 14 47.0		704	1997 GX ₉	1997 04 07.21748	12 48 51.85	-04 29 57.2		704
1997 GN ₉	1997 04 05.22848	12 50 12.13	-10 13 37.6	18.4 V	704	1997 GY ₉	* 1997 04 03.28075	12 52 05.47	-04 32 53.2	20.3 V	704
1997 GN ₉	1997 04 05.35404	12 50 03.99	-10 13 31.3		704	1997 GY ₉	1997 04 03.39505	12 51 59.26	-04 32 01.7		704
1997 GN ₉	1997 04 07.15645	12 48 10.17	-10 12 09.5	18.9 V	704	1997 GY ₉	1997 04 07.15801	12 48 44.45	-04 04 31.1	20.2 V	704
1997 GN ₉	1997 04 07.21592	12 48 06.32	-10 12 07.0		704	1997 GY ₉	1997 04 07.21763	12 48 41.16	-04 04 03.9		704
1997 GO ₉	* 1997 04 03.27930	12 52 20.77	-09 51 42.6	18.3 V	704	1997 GZ ₉	* 1997 04 03.28075	12 53 40.57	-04 24 38.4	19.1 V	704
1997 GO ₉	1997 04 03.39362	12 52 14.17	-09 51 13.8		704	1997 GZ ₉	1997 04 03.39505	12 53 33.25	-04 24 15.1		704
1997 GO ₉	1997 04 05.22848	12 50 32.35	-09 43 30.5	18.4 V	704	1997 GZ ₉	1997 04 07.13997	12 49 45.37	-04 11 30.7	19.5 V	704
1997 GO ₉	1997 04 05.35404	12 50 24.97	-09 42 57.6		704	1997 GZ ₉	1997 04 07.21841	12 49 40.50	-04 11 15.7		704
1997 GO ₉	1997 04 07.13776	12 48 45.99	-09 35 15.0	18.9 V	704	1997 GA ₁₀	* 1997 04 03.28075	12 53 55.08	-04 37 47.6	20.4 V	704
1997 GO ₉	1997 04 07.21608	12 48 41.61	-09 34 55.9		704	1997 GA ₁₀	1997 04 03.36619	12 53 50.81	-04 37 34.4		704
1997 GP ₉	* 1997 04 03.27930	12 53 24.74	-09 43 14.3	19.3 V	704	1997 GA ₁₀	1997 04 05.26188	12 52 15.71	-04 32 37.1	19.5 V	704
1997 GP ₉	1997 04 03.39362	12 53 19.67	-09 42 03.6		704	1997 GA ₁₀	1997 04 05.35612	12 52 10.78	-04 32 22.8		704
1997 GP ₉	1997 04 05.26048	12 52 00.22	-09 22 23.6	19.3 V	704	1997 GA ₁₀	1997 04 06.17070	12 51 30.05	-04 30 15.6	19.5 V	704
1997 GP ₉	1997 04 05.35473	12 51 56.25	-09 21 22.9		704	1997 GA ₁₀	1997 04 06.23750	12 51 26.55	-04 30 05.8		704
1997 GQ ₉	* 1997 04 03.27946	12 53 23.07	-09 12 09.1	19.6 V	704	1997 GA ₁₀	1997 04 07.15896	12 50 40.35	-04 27 42.9	19.4 V	704
1997 GQ ₉	1997 04 03.39378	12 53 17.12	-09 11 33.2		704	1997 GA ₁₀	1997 04 07.21857	12 50 37.34	-04 27 33.4		704
1997 GQ ₉	1997 04 07.14122	12 50 09.87	-08 51 12.8	19.4 V	704	1997 GB ₁₀	* 1997 04 03.28090	12 53 28.80	-03 54 50.9	19.7 V	704
1997 GQ ₉	1997 04 07.21967	12 50 05.88	-08 50 47.2		704	1997 GB ₁₀	1997 04 03.39520	12 53 23.36	-03 54 01.6		704
1997 GR ₉	* 1997 04 03.27963	12 53 35.44	-08 42 51.0	18.9 V	704	1997 GB ₁₀	1997 04 07.15864	12 50 31.02	-03 26 50.3	19.8 V	704
1997 GR ₉	1997 04 03.39394	12 53 28.59	-08 42 40.2		704	1997 GB ₁₀	1997 04 07.21826	12 50 28.17	-03 26 25.7		704
1997 GR ₉	1997 04 06.15054	12 50 50.40	-08 38 07.5	18.6 V	704	1997 GC ₁₀	* 1997 04 03.28106	12 52 08.91	-03 14 25.1	19.5 V	704
1997 GR ₉	1997 04 06.23871	12 50 45.22	-08 37 58.6		704	1997 GC ₁₀	1997 04 03.39536	12 52 02.93	-03 13 23.8		704
1997 GR ₉	1997 04 07.14122	12 49 53.54	-08 36 25.9	18.7 V	704	1997 GC ₁₀	1997 04 06.14880	12 49 48.41	-02 48 52.9	19.3 V	704
1997 GR ₉	1997 04 07.21967	12 49 48.91	-08 36 18.8		704	1997 GC ₁₀	1997 04 06.23698	12 49 43.85	-02 48 07.5		704
1997 GS ₉	* 1997 04 03.27994	12 52 48.52	-07 52 53.6	19.8 V	704	1997 GD ₁₀	* 1997 04 03.28106	12 53 06.89	-03 36 01.8	20.1 V	704
1997 GS ₉	1997 04 03.39426	12 52 42.45	-07 52 36.2		704	1997 GD ₁₀	1997 04 03.39536	12 53 00.30	-03 35 28.6		704
1997 GS ₉	1997 04 06.15019	12 50 21.09	-07 45 20.3	19.2 V	704	1997 GD ₁₀	1997 04 06.17035	12 50 25.37	-03 21 47.7	19.5 V	704

1997 GD ₁₀	1997 04 06.23715	12 50 21.56	-03 21 29.3		704	1997 GN ₁₀	1997 04 03.36697	12 53 59.58	-03 10 55.0		704
1997 GD ₁₀	1997 04 07.13982	12 49 31.47	-03 17 06.0	19.2 V	704	1997 GN ₁₀	1997 04 05.23108	12 52 09.37	-02 57 00.7	19.3 V	704
1997 GD ₁₀	1997 04 07.21826	12 49 26.89	-03 16 42.7		704	1997 GN ₁₀	1997 04 05.35664	12 52 01.65	-02 56 03.6		704
1997 GE ₁₀	* 1997 04 03.28106	12 53 33.20	-03 08 05.9	19.6 V	704	1997 GN ₁₀	1997 04 07.13966	12 50 16.99	-02 42 59.0	19.2 V	704
1997 GE ₁₀	1997 04 03.39536	12 53 27.81	-03 07 12.6		704	1997 GN ₁₀	1997 04 07.21810	12 50 12.28	-02 42 24.1		704
1997 GE ₁₀	1997 04 05.26240	12 52 05.90	-02 52 35.9	19.9 V	704	1997 GO ₁₀	* 1997 04 03.28168	12 54 26.20	-03 43 56.9	19.8 V	704
1997 GE ₁₀	1997 04 05.35664	12 52 01.35	-02 51 51.1		704	1997 GO ₁₀	1997 04 03.36712	12 54 21.17	-03 43 20.5		704
1997 GE ₁₀	1997 04 07.15848	12 50 42.52	-02 37 52.8	19.6 V	704	1997 GO ₁₀	1997 04 07.15864	12 50 48.92	-03 17 42.4	19.6 V	704
1997 GE ₁₀	1997 04 07.21810	12 50 39.83	-02 37 25.6		704	1997 GO ₁₀	1997 04 07.21826	12 50 45.52	-03 17 19.1		704
1997 GF ₁₀	* 1997 04 03.28122	12 51 52.84	-02 55 32.9	19.8 V	704	1997 GP ₁₀	* 1997 04 03.28168	12 55 15.21	-04 07 25.7	19.1 V	704
1997 GF ₁₀	1997 04 03.39551	12 51 45.78	-02 55 02.6		704	1997 GP ₁₀	1997 04 03.39598	12 55 08.75	-04 06 24.7		704
1997 GF ₁₀	1997 04 05.22639	12 49 58.07	-02 46 59.2	18.8 V	704	1997 GP ₁₀	1997 04 05.23073	12 53 29.83	-03 50 11.3	19.1 V	704
1997 GF ₁₀	1997 04 05.35196	12 49 50.30	-02 46 27.4		704	1997 GP ₁₀	1997 04 05.35630	12 53 22.82	-03 49 05.1		704
1997 GF ₁₀	1997 04 06.14863	12 49 03.91	-02 42 58.8	19.6 V	704	1997 GP ₁₀	1997 04 07.14373	12 51 46.37	-03 33 15.6	19.6 V	704
1997 GF ₁₀	1997 04 06.21552	12 48 59.81	-02 42 41.1		704	1997 GP ₁₀	1997 04 07.22217	12 51 41.99	-03 32 34.3		704
1997 GF ₁₀	1997 04 07.13950	12 48 05.95	-02 38 43.7	19.4 V	704	1997 GQ ₁₀	* 1997 04 03.28168	12 55 37.70	-03 58 31.6	19.6 V	704
1997 GF ₁₀	1997 04 07.21795	12 48 01.23	-02 38 23.4		704	1997 GQ ₁₀	1997 04 03.39598	12 55 31.09	-03 57 39.5		704
1997 GG ₁₀	* 1997 04 03.28122	12 51 57.39	-03 03 15.5	19.4 V	704	1997 GQ ₁₀	1997 04 05.23073	12 53 48.70	-03 44 03.2	19.1 V	704
1997 GG ₁₀	1997 04 03.39551	12 51 51.59	-03 02 29.4		704	1997 GQ ₁₀	1997 04 05.35630	12 53 41.41	-03 43 07.3		704
1997 GG ₁₀	1997 04 05.25771	12 50 20.87	-02 50 23.7	19.3 V	704	1997 GQ ₁₀	1997 04 07.16255	12 52 00.24	-03 29 44.6	19.7 V	704
1997 GG ₁₀	1997 04 05.35196	12 50 16.05	-02 49 46.6		704	1997 GQ ₁₀	1997 04 07.22217	12 51 56.75	-03 29 18.0		704
1997 GG ₁₀	1997 04 07.13950	12 48 49.33	-02 38 17.4	19.6 V	704	1997 GR ₁₀	* 1997 04 03.28168	12 56 24.07	-03 43 05.0	19.8 V	704
1997 GG ₁₀	1997 04 07.21795	12 48 45.42	-02 37 47.1		704	1997 GR ₁₀	1997 04 03.39598	12 56 18.00	-03 42 49.0		704
1997 GH ₁₀	* 1997 04 03.28122	12 53 27.81	-02 57 43.2	19.4 V	704	1997 GR ₁₀	1997 04 05.23143	12 54 43.42	-03 38 38.4	19.1 V	704
1997 GH ₁₀	1997 04 03.39551	12 53 22.24	-02 56 35.0		704	1997 GR ₁₀	1997 04 05.35699	12 54 36.55	-03 38 22.7		704
1997 GH ₁₀	1997 04 05.23108	12 51 57.55	-02 38 29.8	19.2 V	704	1997 GS ₁₀	* 1997 04 03.28184	12 55 17.70	-04 21 14.2	19.8 V	704
1997 GH ₁₀	1997 04 05.35664	12 51 51.53	-02 37 15.2		704	1997 GS ₁₀	1997 04 03.39614	12 55 12.21	-04 20 27.5		704
1997 GJ ₁₀	* 1997 04 03.28122	12 53 38.92	-02 52 08.5	20.0 V	704	1997 GS ₁₀	1997 04 07.14357	12 52 20.85	-03 55 34.3	20.0 V	704
1997 GJ ₁₀	1997 04 03.39551	12 53 32.17	-02 51 31.6		704	1997 GS ₁₀	1997 04 07.22201	12 52 17.15	-03 55 03.5		704
1997 GJ ₁₀	1997 04 05.23108	12 51 50.58	-02 41 54.0	18.9 V	704	1997 GT ₁₀	* 1997 04 03.28200	12 54 34.09	-04 59 44.5	19.4 V	704
1997 GJ ₁₀	1997 04 05.35664	12 51 43.09	-02 41 14.8		704	1997 GT ₁₀	1997 04 03.39630	12 54 27.74	-04 58 56.3		704
1997 GJ ₁₀	1997 04 06.14880	12 50 59.71	-02 37 08.8	19.1 V	704	1997 GT ₁₀	1997 04 05.23056	12 52 52.55	-04 46 02.5	18.9 V	704
1997 GJ ₁₀	1997 04 06.23698	12 50 54.42	-02 36 41.3		704	1997 GT ₁₀	1997 04 05.35612	12 52 45.76	-04 45 03.8		704
1997 GJ ₁₀	1997 04 07.15848	12 50 03.44	-02 31 59.0	19.6 V	704	1997 GT ₁₀	1997 04 07.15896	12 51 12.21	-04 32 21.4	19.1 V	704
1997 GJ ₁₀	1997 04 07.21810	12 49 59.96	-02 31 40.1		704	1997 GT ₁₀	1997 04 07.21857	12 51 09.07	-04 31 56.4		704
1997 GK ₁₀	* 1997 04 03.28137	12 54 13.70	-02 47 28.6	19.6 V	704	1997 GU ₁₀	* 1997 04 03.28215	12 54 40.03	-05 47 46.3	19.7 V	704
1997 GK ₁₀	1997 04 03.39567	12 54 08.46	-02 46 56.0		704	1997 GU ₁₀	1997 04 03.39645	12 54 33.86	-05 46 56.9		704
1997 GK ₁₀	1997 04 05.23108	12 52 46.60	-02 38 13.3	19.2 V	704	1997 GU ₁₀	1997 04 05.26152	12 52 56.24	-05 33 41.5	19.8 V	704
1997 GK ₁₀	1997 04 05.35664	12 52 40.80	-02 37 36.6		704	1997 GU ₁₀	1997 04 05.35578	12 52 51.08	-05 32 59.4		704
1997 GL ₁₀	* 1997 04 03.28137	12 55 20.37	-02 49 16.8	19.6 V	704	1997 GV ₁₀	* 1997 04 03.28215	12 55 37.11	-05 42 18.9	19.5 V	704
1997 GL ₁₀	1997 04 03.39567	12 55 13.58	-02 48 53.9		704	1997 GV ₁₀	1997 04 03.39645	12 55 30.64	-05 41 34.1		704
1997 GL ₁₀	1997 04 07.13966	12 51 41.18	-02 37 27.4	19.4 V	704	1997 GV ₁₀	1997 04 06.15280	12 53 03.03	-05 23 07.2	19.5 V	704
1997 GL ₁₀	1997 04 07.21810	12 51 36.60	-02 37 12.6		704	1997 GV ₁₀	1997 04 06.24100	12 52 58.11	-05 22 32.4		704
1997 GM ₁₀	* 1997 04 03.28137	12 56 13.65	-02 48 55.8	19.7 V	704	1997 GW ₁₀	* 1997 04 03.28231	12 54 37.96	-06 10 37.8	19.6 V	704
1997 GM ₁₀	1997 04 03.36681	12 56 08.22	-02 48 38.0		704	1997 GW ₁₀	1997 04 03.39661	12 54 30.42	-06 10 22.0		704
1997 GM ₁₀	1997 04 05.26258	12 54 13.30	-02 42 39.0	19.5 V	704	1997 GW ₁₀	1997 04 07.15927	12 50 27.87	-06 01 26.2	19.9 V	704
1997 GM ₁₀	1997 04 05.35682	12 54 07.52	-02 42 21.2		704	1997 GW ₁₀	1997 04 07.21888	12 50 23.97	-06 01 17.8		704
1997 GM ₁₀	1997 04 06.17552	12 53 18.22	-02 39 49.5	20.2 V	704	1997 GX ₁₀	* 1997 04 03.28247	12 55 01.62	-07 14 32.7	19.9 V	704
1997 GM ₁₀	1997 04 06.24169	12 53 14.08	-02 39 35.9		704	1997 GX ₁₀	1997 04 03.39676	12 54 56.06	-07 14 01.0		704
1997 GM ₁₀	1997 04 07.14388	12 52 19.75	-02 36 49.8	19.8 V	704	1997 GX ₁₀	1997 04 07.16161	12 51 56.61	-06 55 46.3	19.7 V	704
1997 GM ₁₀	1997 04 07.22232	12 52 14.86	-02 36 34.4		704	1997 GX ₁₀	1997 04 07.22123	12 51 53.67	-06 55 28.9		704
1997 GN ₁₀	* 1997 04 03.28153	12 54 04.88	-03 11 30.6	19.7 V	704	1997 GY ₁₀	* 1997 04 03.28247	12 55 27.63	-06 55 29.9	19.5 V	704

1997 GY ₁₀	1997 04 03.39676	12 55 20.38	-06 55 02.9		704	1997 GJ ₁₁	1997 04 07.21951	12 51 29.82	-08 02 44.6		704
1997 GY ₁₀	1997 04 05.22987	12 53 27.80	-06 47 30.0	18.5 V	704	1997 GK ₁₁	* 1997 04 03.28278	12 56 06.32	-08 07 46.9	19.2 V	704
1997 GY ₁₀	1997 04 05.35543	12 53 19.78	-06 46 58.0		704	1997 GK ₁₁	1997 04 03.39708	12 56 00.27	-08 07 05.4		704
1997 GZ ₁₀	* 1997 04 03.28247	12 55 34.76	-06 45 37.0	19.6 V	704	1997 GK ₁₁	1997 04 07.16146	12 52 51.87	-07 43 28.6	19.5 V	704
1997 GZ ₁₀	1997 04 03.39676	12 55 27.75	-06 45 08.2		704	1997 GK ₁₁	1997 04 07.22107	12 52 48.72	-07 43 06.5		704
1997 GZ ₁₀	1997 04 07.14294	12 51 45.81	-06 28 03.1	19.6 V	704	1997 GL ₁₁	* 1997 04 03.28294	12 54 33.35	-08 32 36.3	18.2 V	704
1997 GZ ₁₀	1997 04 07.22139	12 51 40.93	-06 27 41.7		704	1997 GL ₁₁	1997 04 03.39723	12 54 25.78	-08 32 16.1		704
1997 GA ₁₁	* 1997 04 03.28263	12 54 14.74	-07 29 40.3	19.8 V	704	1997 GL ₁₁	1997 04 05.22952	12 52 28.59	-08 26 51.5	18.1 V	704
1997 GA ₁₁	1997 04 03.39692	12 54 08.75	-07 29 27.4		704	1997 GL ₁₁	1997 04 05.35508	12 52 20.26	-08 26 28.3		704
1997 GA ₁₁	1997 04 07.15974	12 50 57.72	-07 22 01.2	19.9 V	704	1997 GL ₁₁	1997 04 06.15037	12 51 29.59	-08 24 04.5	18.5 V	704
1997 GA ₁₁	1997 04 07.21935	12 50 54.64	-07 21 54.4		704	1997 GL ₁₁	1997 04 06.23854	12 51 23.80	-08 23 49.2		704
1997 GB ₁₁	* 1997 04 03.28263	12 54 17.63	-07 41 08.7	20.1 V	704	1997 GL ₁₁	1997 04 07.14107	12 50 25.94	-08 21 02.1	18.4 V	704
1997 GB ₁₁	1997 04 03.39692	12 54 11.44	-07 40 28.5		704	1997 GL ₁₁	1997 04 07.21951	12 50 20.77	-08 20 48.2		704
1997 GB ₁₁	1997 04 07.15974	12 50 53.63	-07 17 38.5	19.8 V	704	1997 GM ₁₁	* 1997 04 03.28294	12 55 05.53	-08 31 18.6	19.1 V	704
1997 GB ₁₁	1997 04 07.21935	12 50 50.30	-07 17 17.2		704	1997 GM ₁₁	1997 04 03.39723	12 54 59.71	-08 31 00.3		704
1997 GC ₁₁	* 1997 04 03.28263	12 54 31.77	-07 48 16.6	19.5 V	704	1997 GM ₁₁	1997 04 06.15193	12 52 43.24	-08 23 51.8	18.6 V	704
1997 GC ₁₁	1997 04 03.39692	12 54 25.53	-07 47 43.2		704	1997 GM ₁₁	1997 04 06.21898	12 52 39.84	-08 23 40.6		704
1997 GC ₁₁	1997 04 07.14091	12 51 09.69	-07 29 44.7	19.2 V	704	1997 GM ₁₁	1997 04 07.14247	12 51 54.11	-08 21 15.4	19.4 V	704
1997 GC ₁₁	1997 04 07.21935	12 51 05.47	-07 29 22.2		704	1997 GM ₁₁	1997 04 07.22092	12 51 50.19	-08 21 01.1		704
1997 GD ₁₁	* 1997 04 03.28263	12 54 55.29	-07 38 46.8	18.9 V	704	1997 GN ₁₁	* 1997 04 03.28294	12 55 18.74	-09 02 32.2	19.5 V	704
1997 GD ₁₁	1997 04 03.39692	12 54 50.31	-07 38 01.3		704	1997 GN ₁₁	1997 04 03.39723	12 55 11.76	-09 02 06.3		704
1997 GD ₁₁	1997 04 05.22969	12 53 32.33	-07 25 46.6	18.9 V	704	1997 GN ₁₁	1997 04 07.14122	12 51 27.32	-08 47 58.8	19.3 V	704
1997 GD ₁₁	1997 04 05.35526	12 53 26.82	-07 24 55.7		704	1997 GN ₁₁	1997 04 07.21967	12 51 22.49	-08 47 41.2		704
1997 GD ₁₁	1997 04 07.14278	12 52 10.86	-07 12 55.2	19.3 V	704	1997 GO ₁₁	* 1997 04 03.28294	12 55 25.81	-08 43 41.7	19.0 V	704
1997 GD ₁₁	1997 04 07.22123	12 52 07.47	-07 12 22.7		704	1997 GO ₁₁	1997 04 03.39723	12 55 20.86	-08 42 02.7		704
1997 GE ₁₁	* 1997 04 03.28263	12 55 10.74	-07 27 43.6	19.7 V	704	1997 GO ₁₁	1997 04 06.15193	12 53 28.24	-08 02 21.7	18.8 V	704
1997 GE ₁₁	1997 04 03.39692	12 55 04.69	-07 26 57.0		704	1997 GO ₁₁	1997 04 06.21898	12 53 25.40	-08 01 22.5		704
1997 GE ₁₁	1997 04 05.26117	12 53 29.99	-07 14 26.6	18.8 V	704	1997 GO ₁₁	1997 04 07.14263	12 52 48.09	-07 48 07.5	19.1 V	704
1997 GE ₁₁	1997 04 05.35543	12 53 24.95	-07 13 49.9		704	1997 GO ₁₁	1997 04 07.22107	12 52 44.87	-07 47 00.7		704
1997 GE ₁₁	1997 04 07.14278	12 51 54.81	-07 01 48.9	19.3 V	704	1997 GP ₁₁	* 1997 04 03.28310	12 54 19.92	-09 05 07.0	19.5 V	704
1997 GE ₁₁	1997 04 07.22123	12 51 50.72	-07 01 16.9		704	1997 GP ₁₁	1997 04 03.39740	12 54 14.30	-09 04 41.8		704
1997 GF ₁₁	* 1997 04 03.28263	12 55 29.52	-07 42 36.6	18.9 V	704	1997 GP ₁₁	1997 04 07.16005	12 51 14.79	-08 51 51.1	19.8 V	704
1997 GF ₁₁	1997 04 03.39692	12 55 23.63	-07 42 16.7		704	1997 GP ₁₁	1997 04 07.21967	12 51 11.90	-08 51 36.7		704
1997 GF ₁₁	1997 04 05.22969	12 53 53.23	-07 37 04.9	18.9 V	704	1997 GQ ₁₁	* 1997 04 03.28310	12 56 24.40	-09 35 33.2	19.3 V	704
1997 GF ₁₁	1997 04 05.35526	12 53 46.86	-07 36 43.2		704	1997 GQ ₁₁	1997 04 03.39740	12 56 16.59	-09 35 09.0		704
1997 GF ₁₁	1997 04 06.15210	12 53 07.77	-07 34 26.9	18.9 V	704	1997 GQ ₁₁	1997 04 06.15158	12 53 19.87	-09 25 44.1	18.8 V	704
1997 GF ₁₁	1997 04 06.21915	12 53 04.33	-07 34 15.0		704	1997 GQ ₁₁	1997 04 06.21863	12 53 15.51	-09 25 29.1		704
1997 GF ₁₁	1997 04 07.14263	12 52 18.91	-07 31 35.2	18.3 V	704	1997 GR ₁₁	* 1997 04 03.28357	12 58 50.00	-10 18 29.0	19.5 V	704
1997 GF ₁₁	1997 04 07.22107	12 52 14.89	-07 31 22.8		704	1997 GR ₁₁	1997 04 03.39786	12 58 43.05	-10 17 39.5		704
1997 GG ₁₁	* 1997 04 03.28263	12 56 21.19	-07 44 20.4	19.5 V	704	1997 GR ₁₁	1997 04 07.14592	12 55 03.11	-09 49 40.1	18.6 V	704
1997 GG ₁₁	1997 04 03.39692	12 56 15.01	-07 43 42.6		704	1997 GR ₁₁	1997 04 07.22436	12 54 58.32	-09 49 03.5		704
1997 GG ₁₁	1997 04 05.26396	12 54 37.73	-07 33 41.0	19.3 V	704	1997 GS ₁₁	* 1997 04 03.28373	12 58 09.58	-09 51 34.5	19.3 V	704
1997 GG ₁₁	1997 04 05.35821	12 54 32.72	-07 33 10.6		704	1997 GS ₁₁	1997 04 03.39802	12 58 03.58	-09 50 35.8		704
1997 GG ₁₁	1997 04 07.16146	12 52 58.49	-07 23 23.7	19.6 V	704	1997 GS ₁₁	1997 04 07.14576	12 54 51.19	-09 17 56.5	18.9 V	704
1997 GG ₁₁	1997 04 07.22107	12 52 55.24	-07 23 04.4		704	1997 GS ₁₁	1997 04 07.22420	12 54 47.01	-09 17 15.4		704
1997 GH ₁₁	* 1997 04 03.28278	12 54 46.72	-08 24 57.1	20.0 V	704	1997 GT ₁₁	* 1997 04 03.28405	12 56 39.33	-08 32 34.7	19.1 V	704
1997 GH ₁₁	1997 04 03.39708	12 54 40.50	-08 24 01.3		704	1997 GT ₁₁	1997 04 03.39833	12 56 32.21	-08 31 46.6		704
1997 GH ₁₁	1997 04 05.26083	12 53 02.48	-08 08 52.9	19.1 V	704	1997 GT ₁₁	1997 04 05.23282	12 54 41.86	-08 19 06.9	18.6 V	704
1997 GH ₁₁	1997 04 05.35508	12 52 57.23	-08 08 07.9		704	1997 GT ₁₁	1997 04 05.35838	12 54 34.13	-08 18 14.7		704
1997 GJ ₁₁	* 1997 04 03.28278	12 55 21.19	-08 23 33.9	20.2 V	704	1997 GT ₁₁	1997 04 07.16130	12 52 45.69	-08 05 38.1	19.3 V	704
1997 GJ ₁₁	1997 04 03.39708	12 55 14.21	-08 22 58.1		704	1997 GT ₁₁	1997 04 07.22092	12 52 41.89	-08 05 12.5		704
1997 GJ ₁₁	1997 04 07.14107	12 51 34.57	-08 03 09.3	19.5 V	704	1997 GU ₁₁	* 1997 04 03.28405	12 58 19.76	-08 55 18.5	19.9 V	704

1997 GU ₁₁	1997 04 03.39833	12 58 13.59	-08 54 29.5		704	1997 GD ₁₂	1997 04 03.39898	12 58 20.69	-06 10 53.5		704
1997 GU ₁₁	1997 04 07.16427	12 54 59.87	-08 26 51.9	19.9 V	704	1997 GD ₁₂	1997 04 07.14482	12 54 33.20	-06 03 13.8	18.3 V	704
1997 GU ₁₁	1997 04 07.22389	12 54 56.59	-08 26 25.4		704	1997 GD ₁₂	1997 04 07.22326	12 54 28.27	-06 03 04.3		704
1997 GV ₁₁	* 1997 04 03.28421	12 56 44.29	-08 07 16.5	18.9 V	704	1997 GE ₁₂	* 1997 04 03.28468	12 58 39.36	-06 33 14.8	20.1 V	704
1997 GV ₁₁	1997 04 03.39850	12 56 36.68	-08 07 00.6		704	1997 GE ₁₂	1997 04 03.39898	12 58 33.49	-06 32 58.1		704
1997 GV ₁₁	1997 04 05.23282	12 54 38.72	-08 02 57.8	18.9 V	704	1997 GE ₁₂	1997 04 05.23491	12 57 02.89	-06 28 12.5	19.2 V	704
1997 GV ₁₁	1997 04 05.35838	12 54 30.33	-08 02 39.9		704	1997 GE ₁₂	1997 04 05.36047	12 56 56.50	-06 27 53.2		704
1997 GV ₁₁	1997 04 06.15193	12 53 39.66	-08 00 51.6	18.9 V	704	1997 GE ₁₂	1997 04 07.14498	12 55 28.87	-06 23 17.2	19.5 V	704
1997 GV ₁₁	1997 04 06.21898	12 53 35.10	-08 00 44.0		704	1997 GE ₁₂	1997 04 07.22342	12 55 24.81	-06 23 04.5		704
1997 GV ₁₁	1997 04 07.14247	12 52 35.94	-07 58 35.2	18.7 V	704	1997 GF ₁₂	* 1997 04 03.28484	12 58 15.78	-05 34 26.2	19.4 V	704
1997 GV ₁₁	1997 04 07.22092	12 52 30.71	-07 58 24.4		704	1997 GF ₁₂	1997 04 03.39914	12 58 09.48	-05 34 03.2		704
1997 GW ₁₁	* 1997 04 03.28421	12 56 59.67	-08 14 03.7	19.2 V	704	1997 GF ₁₂	1997 04 05.26673	12 56 31.57	-05 27 23.6	19.1 V	704
1997 GW ₁₁	1997 04 03.39850	12 56 53.94	-08 13 42.3		704	1997 GF ₁₂	1997 04 05.36081	12 56 26.33	-05 27 02.7		704
1997 GW ₁₁	1997 04 05.26414	12 55 23.46	-08 07 57.5	19.6 V	704	1997 GF ₁₂	1997 04 06.15436	12 55 45.14	-05 24 14.9	19.1 V	704
1997 GW ₁₁	1997 04 05.35838	12 55 18.68	-08 07 37.9		704	1997 GF ₁₂	1997 04 06.22141	12 55 41.53	-05 24 00.0		704
1997 GW ₁₁	1997 04 07.14247	12 53 52.04	-08 02 00.3	19.3 V	704	1997 GF ₁₂	1997 04 07.14467	12 54 53.29	-05 20 43.2	19.1 V	704
1997 GW ₁₁	1997 04 07.22092	12 53 48.17	-08 01 46.4		704	1997 GF ₁₂	1997 04 07.22311	12 54 48.93	-05 20 27.0		704
1997 GX ₁₁	* 1997 04 03.28421	12 58 04.87	-08 04 41.1	19.9 V	704	1997 GG ₁₂	* 1997 04 03.28499	12 56 36.07	-04 58 09.6	19.5 V	704
1997 GX ₁₁	1997 04 03.39850	12 57 59.42	-08 03 46.4		704	1997 GG ₁₂	1997 04 03.39930	12 56 30.02	-04 57 16.1		704
1997 GX ₁₁	1997 04 07.16412	12 55 02.69	-07 32 11.1	19.6 V	704	1997 GG ₁₂	1997 04 07.16224	12 53 16.56	-04 27 20.1	20.1 V	704
1997 GX ₁₁	1997 04 07.22373	12 54 59.83	-07 31 40.3		704	1997 GG ₁₂	1997 04 07.22186	12 53 13.46	-04 26 52.2		704
1997 GY ₁₁	* 1997 04 03.28437	12 58 20.52	-07 30 51.7	19.4 V	704	1997 GH ₁₂	* 1997 04 03.28515	12 56 38.77	-04 34 30.6	20.1 V	704
1997 GY ₁₁	1997 04 03.39866	12 58 15.26	-07 30 22.8		704	1997 GH ₁₂	1997 04 03.39947	12 56 32.02	-04 33 55.6		704
1997 GY ₁₁	1997 04 05.23456	12 56 54.12	-07 22 05.6	19.2 V	704	1997 GH ₁₂	1997 04 05.23178	12 54 46.48	-04 24 24.7	19.1 V	704
1997 GY ₁₁	1997 04 05.36012	12 56 48.46	-07 21 30.9		704	1997 GH ₁₂	1997 04 05.35734	12 54 39.07	-04 23 45.2		704
1997 GY ₁₁	1997 04 06.15506	12 56 13.29	-07 17 52.9	18.7 V	704	1997 GJ ₁₂	* 1997 04 03.28531	12 56 43.65	-03 59 53.0	19.8 V	704
1997 GY ₁₁	1997 04 06.22211	12 56 10.32	-07 17 35.5		704	1997 GJ ₁₂	1997 04 03.39963	12 56 38.83	-03 58 19.2		704
1997 GY ₁₁	1997 04 07.16396	12 55 28.51	-07 13 18.3	19.4 V	704	1997 GJ ₁₂	1997 04 05.23143	12 55 27.05	-03 33 14.4	18.9 V	704
1997 GY ₁₁	1997 04 07.22357	12 55 25.76	-07 13 02.7		704	1997 GJ ₁₂	1997 04 05.35699	12 55 21.76	-03 31 28.9		704
1997 GZ ₁₁	* 1997 04 03.28437	12 58 51.17	-07 34 47.8	19.9 V	704	1997 GJ ₁₂	1997 04 06.15384	12 54 50.62	-03 20 31.6	19.2 V	704
1997 GZ ₁₁	1997 04 03.39866	12 58 44.26	-07 34 10.9		704	1997 GJ ₁₂	1997 04 06.22089	12 54 47.86	-03 19 35.0		704
1997 GZ ₁₁	1997 04 07.14513	12 55 02.63	-07 14 29.8	19.4 V	704	1997 GK ₁₂	* 1997 04 03.28531	12 57 23.62	-03 54 03.6	19.6 V	704
1997 GZ ₁₁	1997 04 07.22357	12 54 57.87	-07 14 03.9		704	1997 GK ₁₂	1997 04 03.39963	12 57 18.56	-03 53 23.6		704
1997 GA ₁₂	* 1997 04 03.28453	12 56 58.49	-07 16 36.2	19.4 V	704	1997 GK ₁₂	1997 04 07.16302	12 54 38.51	-03 31 31.3	19.8 V	704
1997 GA ₁₂	1997 04 03.39882	12 56 52.67	-07 15 44.8		704	1997 GK ₁₂	1997 04 07.22264	12 54 35.93	-03 31 10.7		704
1997 GA ₁₂	1997 04 05.23248	12 55 23.66	-07 02 05.0	19.3 V	704	1997 GL ₁₂	* 1997 04 03.28531	12 57 31.24	-03 50 09.1	19.7 V	704
1997 GA ₁₂	1997 04 05.35804	12 55 17.26	-07 01 09.3		704	1997 GL ₁₂	1997 04 03.39963	12 57 26.45	-03 49 06.0		704
1997 GA ₁₂	1997 04 06.15488	12 54 38.78	-06 55 08.9	19.1 V	704	1997 GL ₁₂	1997 04 07.16302	12 54 57.66	-03 14 38.4	20.3 V	704
1997 GA ₁₂	1997 04 06.22193	12 54 35.32	-06 54 38.6		704	1997 GL ₁₂	1997 04 07.22264	12 54 55.11	-03 14 06.7		704
1997 GA ₁₂	1997 04 07.14278	12 53 50.63	-06 47 42.6	19.3 V	704	1997 GM ₁₂	* 1997 04 03.28531	12 58 01.02	-03 46 44.8	18.9 V	704
1997 GA ₁₂	1997 04 07.22123	12 53 46.56	-06 47 07.0		704	1997 GM ₁₂	1997 04 03.39963	12 57 53.60	-03 46 12.4		704
1997 GB ₁₂	* 1997 04 03.28453	12 58 12.77	-06 49 27.0	19.0 V	704	1997 GM ₁₂	1997 04 05.23143	12 55 59.18	-03 37 36.4	18.9 V	704
1997 GB ₁₂	1997 04 03.39882	12 58 06.34	-06 48 40.3		704	1997 GM ₁₂	1997 04 05.35699	12 55 51.10	-03 37 00.7		704
1997 GB ₁₂	1997 04 06.15471	12 55 41.01	-06 30 01.8	19.1 V	704	1997 GM ₁₂	1997 04 06.15384	12 55 01.34	-03 33 18.0	18.9 V	704
1997 GB ₁₂	1997 04 06.22176	12 55 37.32	-06 29 34.5		704	1997 GM ₁₂	1997 04 06.22089	12 54 56.90	-03 32 59.8		704
1997 GB ₁₂	1997 04 07.14498	12 54 48.82	-06 23 20.3	19.3 V	704	1997 GN ₁₂	* 1997 04 03.28547	12 56 57.96	-03 12 52.1	19.3 V	704
1997 GB ₁₂	1997 04 07.22342	12 54 44.49	-06 22 47.9		704	1997 GN ₁₂	1997 04 03.39979	12 56 51.13	-03 12 08.4		704
1997 GC ₁₂	* 1997 04 03.28468	12 58 05.21	-06 36 10.4	19.4 V	704	1997 GN ₁₂	1997 04 07.14388	12 53 13.99	-02 48 42.5	19.8 V	704
1997 GC ₁₂	1997 04 03.39898	12 57 58.97	-06 35 24.7		704	1997 GN ₁₂	1997 04 07.22232	12 53 09.33	-02 48 11.8		704
1997 GC ₁₂	1997 04 07.14498	12 54 47.19	-06 10 12.1	19.2 V	704	1997 GO ₁₂	* 1997 04 03.28547	12 57 27.58	-03 17 31.7	19.1 V	704
1997 GC ₁₂	1997 04 07.22342	12 54 43.03	-06 09 39.7		704	1997 GO ₁₂	1997 04 03.39979	12 57 20.96	-03 16 57.8		704
1997 GD ₁₂	* 1997 04 03.28468	12 58 27.91	-06 11 06.7	18.4 V	704	1997 GO ₁₂	1997 04 06.15367	12 54 47.99	-03 03 31.1	19.1 V	704

1997 GO ₁₂	1997 04 06.22072	12 54 44.12	-03 03 11.3		704	1997 GX ₁₂	1997 04 06.24604	12 57 32.85	-04 42 56.1		704
1997 GO ₁₂	1997 04 07.14388	12 53 52.83	-02 58 45.7	19.9 V	704	1997 GX ₁₂	1997 04 07.14779	12 56 43.25	-04 38 59.4	18.1 V	704
1997 GO ₁₂	1997 04 07.22232	12 53 48.28	-02 58 23.5		704	1997 GX ₁₂	1997 04 07.22624	12 56 38.81	-04 38 39.2		704
1997 GP ₁₂	* 1997 04 03.28547	12 58 32.82	-03 12 09.3	19.0 V	704	1997 GY ₁₂	* 1997 04 03.28641	13 00 21.88	-05 19 21.8	19.8 V	704
1997 GP ₁₂	1997 04 03.39979	12 58 26.22	-03 11 35.8		704	1997 GY ₁₂	1997 04 03.40075	13 00 16.03	-05 18 40.5		704
1997 GP ₁₂	1997 04 06.15367	12 55 51.19	-02 57 29.7	19.5 V	704	1997 GY ₁₂	1997 04 05.26673	12 58 43.91	-05 07 38.9	19.5 V	704
1997 GP ₁₂	1997 04 06.22072	12 55 47.34	-02 57 09.8		704	1997 GY ₁₂	1997 04 05.36081	12 58 39.06	-05 07 05.9		704
1997 GP ₁₂	1997 04 07.14404	12 54 55.38	-02 52 29.3	19.2 V	704	1997 GY ₁₂	1997 04 07.14764	12 57 10.87	-04 56 31.3	19.3 V	704
1997 GP ₁₂	1997 04 07.22248	12 54 50.82	-02 52 05.3		704	1997 GY ₁₂	1997 04 07.22609	12 57 06.87	-04 56 02.8		704
1997 GQ ₁₂	* 1997 04 03.28563	12 58 42.96	-02 56 14.5	18.5 V	704	1997 GZ ₁₂	* 1997 04 03.28641	13 01 04.43	-04 57 25.5	18.6 V	704
1997 GQ ₁₂	1997 04 03.39995	12 58 35.65	-02 55 46.3		704	1997 GZ ₁₂	1997 04 03.40075	13 00 58.58	-04 56 40.9		704
1997 GQ ₁₂	1997 04 05.23595	12 56 41.48	-02 48 00.9	18.1 V	704	1997 GZ ₁₂	1997 04 05.23665	12 59 29.30	-04 44 42.2	18.2 V	704
1997 GQ ₁₂	1997 04 05.36151	12 56 33.41	-02 47 29.5		704	1997 GZ ₁₂	1997 04 05.36220	12 59 22.76	-04 43 51.9		704
1997 GQ ₁₂	1997 04 06.15367	12 55 44.39	-02 44 11.3	17.5 V	704	1997 GZ ₁₂	1997 04 06.15785	12 58 44.22	-04 38 40.4	18.2 V	704
1997 GQ ₁₂	1997 04 06.24187	12 55 38.76	-02 43 50.3		704	1997 GZ ₁₂	1997 04 06.22489	12 58 40.77	-04 38 14.3		704
1997 GQ ₁₂	1997 04 07.14404	12 54 42.74	-02 40 06.2	17.8 V	704	1997 GZ ₁₂	1997 04 07.14779	12 57 55.42	-04 32 11.6	18.5 V	704
1997 GQ ₁₂	1997 04 07.22248	12 54 37.71	-02 39 46.5		704	1997 GZ ₁₂	1997 04 07.22624	12 57 51.39	-04 31 42.1		704
1997 GR ₁₂	* 1997 04 03.28578	13 00 01.78	-02 59 20.0	18.3 V	704	1997 GA ₁₃	* 1997 04 03.28656	12 59 07.65	-05 29 36.1	19.8 V	704
1997 GR ₁₂	1997 04 03.40011	12 59 55.33	-02 58 34.3		704	1997 GA ₁₃	1997 04 03.40091	12 59 00.11	-05 29 01.0		704
1997 GR ₁₂	1997 04 05.23595	12 58 15.35	-02 46 22.0	18.1 V	704	1997 GA ₁₃	1997 04 07.16349	12 55 02.41	-05 10 14.6	19.4 V	704
1997 GR ₁₂	1997 04 05.36151	12 58 08.23	-02 45 32.1		704	1997 GA ₁₃	1997 04 07.22311	12 54 58.59	-05 09 56.2		704
1997 GR ₁₂	1997 04 06.15837	12 57 25.22	-02 40 16.9	18.0 V	704	1997 GB ₁₃	* 1997 04 03.28656	12 59 18.46	-06 05 23.1	19.5 V	704
1997 GR ₁₂	1997 04 06.24656	12 57 20.24	-02 39 41.9		704	1997 GB ₁₃	1997 04 03.40091	12 59 13.39	-06 04 33.2		704
1997 GR ₁₂	1997 04 07.14827	12 56 31.53	-02 33 50.7	18.1 V	704	1997 GB ₁₃	1997 04 05.23509	12 57 55.58	-05 51 39.1	19.2 V	704
1997 GR ₁₂	1997 04 07.22671	12 56 27.04	-02 33 19.1		704	1997 GB ₁₃	1997 04 05.36064	12 57 49.96	-05 50 45.5		704
1997 GS ₁₂	* 1997 04 03.28578	13 00 05.89	-02 40 07.4	18.6 V	704	1997 GB ₁₃	1997 04 06.15750	12 57 16.24	-05 45 08.4	18.8 V	704
1997 GS ₁₂	1997 04 03.40011	12 59 59.47	-02 39 45.3		704	1997 GB ₁₃	1997 04 06.22454	12 57 13.31	-05 44 38.7		704
1997 GS ₁₂	1997 04 05.23595	12 58 20.08	-02 33 47.6	18.4 V	704	1997 GB ₁₃	1997 04 07.14748	12 56 34.14	-05 38 08.4	19.0 V	704
1997 GS ₁₂	1997 04 05.36151	12 58 12.90	-02 33 25.6		704	1997 GB ₁₃	1997 04 07.22593	12 56 30.73	-05 37 35.1		704
1997 GT ₁₂	* 1997 04 03.28578	13 01 15.61	-02 55 31.6	19.7 V	704	1997 GC ₁₃	* 1997 04 03.28656	12 59 52.32	-05 46 27.6	19.8 V	704
1997 GT ₁₂	1997 04 03.40011	13 01 10.02	-02 54 55.3		704	1997 GC ₁₃	1997 04 03.40091	12 59 44.63	-05 46 16.7		704
1997 GT ₁₂	1997 04 07.16752	12 58 14.85	-02 34 41.2	19.3 V	704	1997 GC ₁₃	1997 04 05.23509	12 57 44.73	-05 43 19.9	19.1 V	704
1997 GT ₁₂	1997 04 07.22671	12 58 12.09	-02 34 23.9		704	1997 GC ₁₃	1997 04 05.36064	12 57 36.29	-05 43 07.7		704
1997 GU ₁₂	* 1997 04 03.28625	13 00 56.17	-04 33 30.6	19.1 V	704	1997 GC ₁₃	1997 04 07.14482	12 55 39.34	-05 40 12.4	19.1 V	704
1997 GU ₁₂	1997 04 03.40059	13 00 49.24	-04 33 16.8		704	1997 GC ₁₃	1997 04 07.22326	12 55 34.04	-05 40 05.2		704
1997 GU ₁₂	1997 04 05.23665	12 59 02.55	-04 29 09.7	19.1 V	704	1997 GD ₁₃	* 1997 04 03.28656	13 00 40.25	-05 54 07.2	19.9 V	704
1997 GU ₁₂	1997 04 05.33086	12 58 56.82	-04 28 54.5		704	1997 GD ₁₃	1997 04 03.40091	13 00 28.72	-05 54 43.6		704
1997 GU ₁₂	1997 04 07.14779	12 57 11.60	-04 24 54.9	18.9 V	704	1997 GD ₁₃	1997 04 07.14498	12 54 20.23	-06 13 44.6	19.2 V	704
1997 GU ₁₂	1997 04 07.22624	12 57 06.84	-04 24 43.9		704	1997 GD ₁₃	1997 04 07.22342	12 54 12.21	-06 14 07.4		704
1997 GV ₁₂	* 1997 04 03.28625	13 01 09.71	-04 35 07.8	20.0 V	704	1997 GE ₁₃	* 1997 04 03.28672	12 59 40.15	-06 22 46.2	18.3 V	704
1997 GV ₁₂	1997 04 03.40059	13 01 02.18	-04 35 02.7		704	1997 GE ₁₃	1997 04 03.40108	12 59 34.07	-06 21 46.1		704
1997 GV ₁₂	1997 04 07.14779	12 57 04.00	-04 32 48.5	19.3 V	704	1997 GE ₁₃	1997 04 06.15750	12 57 12.30	-05 57 46.3	18.2 V	704
1997 GV ₁₂	1997 04 07.22624	12 56 58.91	-04 32 45.3		704	1997 GE ₁₃	1997 04 06.22454	12 57 08.70	-05 57 10.9		704
1997 GW ₁₂	* 1997 04 03.28625	13 01 11.17	-04 17 53.0	20.4 V	704	1997 GE ₁₃	1997 04 07.14482	12 56 21.50	-05 49 10.7	18.6 V	704
1997 GW ₁₂	1997 04 03.40059	13 01 05.06	-04 17 21.2		704	1997 GE ₁₃	1997 04 07.22326	12 56 17.37	-05 48 31.2		704
1997 GW ₁₂	1997 04 07.16678	12 57 53.14	-04 00 22.9	19.8 V	704	1997 GF ₁₃	* 1997 04 03.28672	13 00 36.36	-06 07 32.7	19.8 V	704
1997 GW ₁₂	1997 04 07.22640	12 57 50.03	-04 00 08.6		704	1997 GF ₁₃	1997 04 03.40108	13 00 30.86	-06 06 59.4		704
1997 GX ₁₂	* 1997 04 03.28641	13 00 14.42	-04 55 53.3	18.4 V	704	1997 GF ₁₃	1997 04 07.14748	12 57 35.42	-05 49 12.2	19.6 V	704
1997 GX ₁₂	1997 04 03.40075	13 00 07.97	-04 55 23.5		704	1997 GF ₁₃	1997 04 07.22593	12 57 31.75	-05 48 51.6		704
1997 GX ₁₂	1997 04 05.23543	12 58 28.04	-04 47 21.8	18.1 V	704	1997 GG ₁₃	* 1997 04 03.28672	13 01 11.74	-06 38 46.0	20.1 V	704
1997 GX ₁₂	1997 04 05.36099	12 58 20.96	-04 46 49.8		704	1997 GG ₁₃	1997 04 03.40108	13 01 05.59	-06 37 44.6		704
1997 GX ₁₂	1997 04 06.15785	12 57 37.55	-04 43 19.3	17.7 V	704	1997 GG ₁₃	1997 04 05.23717	12 59 31.27	-06 21 19.1	19.1 V	704

1997 GG ₁₃	1997 04 05.36272	12 59 24.54	-06 20 12.8		704	1997 GP ₁₃	1997 04 06.24535	12 57 44.96	-07 15 18.4		704
1997 GG ₁₃	1997 04 06.15733	12 58 43.95	-06 13 06.4	19.1 V	704	1997 GP ₁₃	1997 04 07.14717	12 56 57.17	-07 08 22.9	18.0 V	704
1997 GG ₁₃	1997 04 06.22436	12 58 40.35	-06 12 30.3		704	1997 GP ₁₃	1997 04 07.22561	12 56 52.81	-07 07 46.8		704
1997 GG ₁₃	1997 04 07.14748	12 57 52.97	-06 04 12.6	19.3 V	704	1997 GQ ₁₃	* 1997 04 03.28719	12 58 54.31	-08 13 51.3	19.7 V	704
1997 GG ₁₃	1997 04 07.22593	12 57 48.83	-06 03 31.3		704	1997 GQ ₁₃	1997 04 03.40156	12 58 46.82	-08 13 20.5		704
1997 GH ₁₃	* 1997 04 03.28688	12 59 26.65	-06 54 01.6	18.9 V	704	1997 GQ ₁₃	1997 04 05.26587	12 56 50.66	-08 05 06.0	19.5 V	704
1997 GH ₁₃	1997 04 03.40124	12 59 20.92	-06 53 31.2		704	1997 GQ ₁₃	1997 04 05.35995	12 56 44.60	-08 04 38.9		704
1997 GH ₁₃	1997 04 05.23473	12 57 51.26	-06 45 25.5	18.9 V	704	1997 GQ ₁₃	1997 04 07.16427	12 54 52.88	-07 56 34.5	19.5 V	704
1997 GH ₁₃	1997 04 05.36029	12 57 44.97	-06 44 54.3		704	1997 GQ ₁₃	1997 04 07.22389	12 54 49.06	-07 56 18.2		704
1997 GH ₁₃	1997 04 06.15715	12 57 06.16	-06 41 23.1	18.6 V	704	1997 GR ₁₃	* 1997 04 03.28719	12 58 55.35	-08 13 07.3	19.9 V	704
1997 GH ₁₃	1997 04 06.24535	12 57 01.66	-06 40 58.1		704	1997 GR ₁₃	1997 04 03.40156	12 58 49.73	-08 12 06.2		704
1997 GH ₁₃	1997 04 07.14498	12 56 17.72	-06 36 59.4	19.6 V	704	1997 GR ₁₃	1997 04 05.23439	12 57 22.53	-07 55 35.1	19.0 V	704
1997 GH ₁₃	1997 04 07.22342	12 56 13.90	-06 36 38.5		704	1997 GR ₁₃	1997 04 05.35995	12 57 16.52	-07 54 25.8		704
1997 GJ ₁₃	* 1997 04 03.28688	12 59 51.83	-07 09 03.5	19.7 V	704	1997 GR ₁₃	1997 04 07.16412	12 55 50.88	-07 38 05.0	19.3 V	704
1997 GJ ₁₃	1997 04 03.40124	12 59 45.11	-07 08 17.5		704	1997 GR ₁₃	1997 04 07.22373	12 55 48.01	-07 37 32.8		704
1997 GJ ₁₃	1997 04 05.23473	12 58 00.27	-06 55 57.7	18.8 V	704	1997 GS ₁₃	* 1997 04 03.28719	12 59 07.71	-08 23 07.2	20.1 V	704
1997 GJ ₁₃	1997 04 05.36029	12 57 52.71	-06 55 07.0		704	1997 GS ₁₃	1997 04 03.40156	12 59 02.01	-08 22 35.0		704
1997 GJ ₁₃	1997 04 06.15715	12 57 07.13	-06 49 42.6	19.3 V	704	1997 GS ₁₃	1997 04 07.16427	12 55 59.53	-08 05 32.9	19.7 V	704
1997 GJ ₁₃	1997 04 06.24535	12 57 02.00	-06 49 05.7		704	1997 GS ₁₃	1997 04 07.22389	12 55 56.61	-08 05 16.3		704
1997 GK ₁₃	* 1997 04 03.28688	13 00 11.60	-06 54 14.4	18.7 V	704	1997 GT ₁₃	* 1997 04 03.28719	12 59 15.60	-08 29 06.2	19.7 V	704
1997 GK ₁₃	1997 04 03.40124	13 00 04.32	-06 53 49.8		704	1997 GT ₁₃	1997 04 03.40156	12 59 08.99	-08 28 22.9		704
1997 GK ₁₃	1997 04 05.23473	12 58 10.89	-06 47 15.3	18.5 V	704	1997 GT ₁₃	1997 04 07.16427	12 55 42.40	-08 04 14.3	19.8 V	704
1997 GK ₁₃	1997 04 05.36029	12 58 02.79	-06 46 50.2		704	1997 GT ₁₃	1997 04 07.22389	12 55 39.10	-08 03 50.5		704
1997 GK ₁₃	1997 04 06.15715	12 57 13.49	-06 43 56.1	18.4 V	704	1997 GU ₁₃	* 1997 04 03.28719	12 59 50.42	-08 06 06.0	19.7 V	704
1997 GK ₁₃	1997 04 06.24535	12 57 07.86	-06 43 36.5		704	1997 GU ₁₃	1997 04 03.40156	12 59 43.96	-08 05 11.1		704
1997 GK ₁₃	1997 04 07.14498	12 56 11.87	-06 40 20.6	19.1 V	704	1997 GU ₁₃	1997 04 06.15698	12 57 16.80	-07 42 56.1	19.1 V	704
1997 GK ₁₃	1997 04 07.22342	12 56 06.84	-06 40 04.0		704	1997 GU ₁₃	1997 04 06.22402	12 57 13.12	-07 42 23.6		704
1997 GL ₁₃	* 1997 04 03.28703	12 59 00.87	-07 20 15.7	19.4 V	704	1997 GU ₁₃	1997 04 07.16583	12 56 22.69	-07 34 42.6	18.9 V	704
1997 GL ₁₃	1997 04 03.40140	12 58 55.29	-07 19 40.4		704	1997 GU ₁₃	1997 04 07.22545	12 56 19.25	-07 34 14.4		704
1997 GL ₁₃	1997 04 07.16396	12 55 57.58	-07 01 02.2	19.7 V	704	1997 GV ₁₃	* 1997 04 03.28734	12 59 24.09	-08 58 00.6	19.5 V	704
1997 GL ₁₃	1997 04 07.22357	12 55 54.61	-07 00 44.0		704	1997 GV ₁₃	1997 04 03.40173	12 59 18.20	-08 57 14.5		704
1997 GM ₁₃	* 1997 04 03.28703	12 59 19.90	-07 19 50.9	18.2 V	704	1997 GV ₁₃	1997 04 07.16443	12 56 13.10	-08 31 57.8	19.5 V	704
1997 GM ₁₃	1997 04 03.40140	12 59 14.86	-07 18 21.5		704	1997 GV ₁₃	1997 04 07.22404	12 56 10.14	-08 31 33.5		704
1997 GM ₁₃	1997 04 05.23473	12 57 58.20	-06 54 20.0	17.9 V	704	1997 GW ₁₃	* 1997 04 03.28750	12 59 12.63	-09 07 57.8	19.3 V	704
1997 GM ₁₃	1997 04 05.36029	12 57 52.68	-06 52 41.0		704	1997 GW ₁₃	1997 04 03.40189	12 59 05.11	-09 07 38.2		704
1997 GM ₁₃	1997 04 07.14733	12 56 37.92	-06 29 10.4	18.2 V	704	1997 GW ₁₃	1997 04 07.14560	12 55 08.69	-08 56 22.3	19.2 V	704
1997 GM ₁₃	1997 04 07.22577	12 56 34.44	-06 28 08.4		704	1997 GW ₁₃	1997 04 07.22404	12 55 03.71	-08 56 08.2		704
1997 GN ₁₃	* 1997 04 03.28703	12 59 25.78	-07 32 48.2	19.6 V	704	1997 GX ₁₃	* 1997 04 03.28750	13 00 27.57	-09 18 15.0	19.2 V	704
1997 GN ₁₃	1997 04 03.40140	12 59 18.55	-07 32 36.3		704	1997 GX ₁₃	1997 04 03.40189	13 00 21.88	-09 17 16.0		704
1997 GN ₁₃	1997 04 07.16412	12 55 31.32	-07 25 35.0	19.0 V	704	1997 GX ₁₃	1997 04 05.26934	12 58 53.73	-09 01 04.1	19.0 V	704
1997 GN ₁₃	1997 04 07.22373	12 55 27.53	-07 25 28.3		704	1997 GX ₁₃	1997 04 05.36342	12 58 49.01	-09 00 15.7		704
1997 GO ₁₃	* 1997 04 03.28703	12 59 44.99	-07 18 45.7	19.0 V	704	1997 GX ₁₃	1997 04 06.17865	12 58 11.16	-08 53 07.9	18.4 V	704
1997 GO ₁₃	1997 04 03.40140	12 59 37.60	-07 18 02.3		704	1997 GX ₁₃	1997 04 06.24483	12 58 07.91	-08 52 34.2		704
1997 GO ₁₃	1997 04 05.23473	12 57 42.95	-07 06 11.2	19.1 V	704	1997 GX ₁₃	1997 04 07.14670	12 57 25.71	-08 44 43.1	18.8 V	704
1997 GO ₁₃	1997 04 05.32895	12 57 36.68	-07 05 37.4		704	1997 GX ₁₃	1997 04 07.22514	12 57 21.91	-08 44 02.3		704
1997 GO ₁₃	1997 04 07.16396	12 55 41.13	-06 53 37.0	19.4 V	704	1997 GY ₁₃	* 1997 04 03.28750	13 00 30.63	-09 41 01.3	18.0 V	704
1997 GO ₁₃	1997 04 07.22357	12 55 37.22	-06 53 13.2		704	1997 GY ₁₃	1997 04 03.40189	13 00 25.56	-09 40 20.1		704
1997 GP ₁₃	* 1997 04 03.28703	13 00 22.14	-07 37 46.3	18.1 V	704	1997 GY ₁₃	1997 04 05.23804	12 59 07.24	-09 29 10.2	17.6 V	704
1997 GP ₁₃	1997 04 03.40140	13 00 15.82	-07 36 55.1		704	1997 GY ₁₃	1997 04 05.36359	12 59 01.68	-09 28 24.0		704
1997 GP ₁₃	1997 04 05.23456	12 58 38.89	-07 22 59.3	18.1 V	704	1997 GY ₁₃	1997 04 06.15645	12 58 27.99	-09 23 31.0	16.8 V	704
1997 GP ₁₃	1997 04 05.36012	12 58 31.81	-07 22 02.6		704	1997 GY ₁₃	1997 04 06.24465	12 58 24.10	-09 22 59.5		704
1997 GP ₁₃	1997 04 06.15715	12 57 49.85	-07 15 57.6	18.2 V	704	1997 GY ₁₃	1997 04 07.14654	12 57 45.58	-09 17 24.6	17.5 V	704

1997 GY ₁₃	1997 04 07.22498	12 57 42.09	-09 16 55.3		704	1997 GH ₁₄	1997 04 05.36377	12 59 12.51	-10 06 17.6		704
1997 GZ ₁₃	* 1997 04 03.28750	13 00 36.86	-09 32 02.7	19.9 V	704	1997 GH ₁₄	1997 04 07.14638	12 57 36.48	-10 04 11.7	19.1 V	704
1997 GZ ₁₃	1997 04 03.40189	13 00 29.99	-09 31 20.8		704	1997 GH ₁₄	1997 04 07.22483	12 57 32.11	-10 04 06.5		704
1997 GZ ₁₃	1997 04 07.16537	12 56 52.97	-09 08 23.8	19.9 V	704	1997 GJ ₁₄	* 1997 04 03.28782	12 59 15.53	-10 52 59.3	18.5 V	704
1997 GZ ₁₃	1997 04 07.22498	12 56 49.43	-09 08 01.8		704	1997 GJ ₁₄	1997 04 03.40221	12 59 10.47	-10 51 47.8		704
1997 GA ₁₄	* 1997 04 03.28750	13 00 57.46	-09 10 43.2	19.0 V	704	1997 GJ ₁₄	1997 04 05.23369	12 57 52.24	-10 32 25.3	18.4 V	704
1997 GA ₁₄	1997 04 03.40189	13 00 51.01	-09 10 05.7		704	1997 GJ ₁₄	1997 04 05.35925	12 57 46.61	-10 31 04.1		704
1997 GA ₁₄	1997 04 05.26934	12 59 07.75	-08 59 41.1	19.3 V	704	1997 GJ ₁₄	1997 04 06.15610	12 57 12.75	-10 22 32.4	18.4 V	704
1997 GA ₁₄	1997 04 05.36342	12 59 02.43	-08 59 11.6		704	1997 GJ ₁₄	1997 04 06.24430	12 57 08.86	-10 21 37.6		704
1997 GA ₁₄	1997 04 07.14670	12 57 23.86	-08 49 04.4	19.0 V	704	1997 GK ₁₄	* 1997 04 03.28782	13 00 14.79	-10 40 00.8	18.0 V	704
1997 GA ₁₄	1997 04 07.22514	12 57 19.38	-08 48 37.4		704	1997 GK ₁₄	1997 04 03.40221	13 00 06.39	-10 39 57.3		704
1997 GB ₁₄	* 1997 04 03.28766	12 59 21.35	-10 16 27.6	18.6 V	704	1997 GK ₁₄	1997 04 05.23369	12 57 54.63	-10 38 48.8	18.1 V	704
1997 GB ₁₄	1997 04 03.40205	12 59 14.27	-10 15 36.3		704	1997 GK ₁₄	1997 04 05.35925	12 57 45.27	-10 38 44.5		704
1997 GB ₁₄	1997 04 05.23387	12 57 25.85	-10 01 57.0	18.8 V	704	1997 GK ₁₄	1997 04 06.15610	12 56 47.53	-10 38 10.3	18.3 V	704
1997 GB ₁₄	1997 04 05.35943	12 57 18.08	-10 01 00.5		704	1997 GK ₁₄	1997 04 06.24430	12 56 40.99	-10 38 05.4		704
1997 GB ₁₄	1997 04 06.17830	12 56 29.86	-09 54 50.2	17.9 V	704	1997 GK ₁₄	1997 04 07.14607	12 55 35.27	-10 37 22.2	17.5 V	704
1997 GB ₁₄	1997 04 06.24447	12 56 25.72	-09 54 20.7		704	1997 GK ₁₄	1997 04 07.22451	12 55 29.42	-10 37 19.1		704
1997 GB ₁₄	1997 04 07.14592	12 55 32.55	-09 47 30.1	18.0 V	704	1997 GL ₁₄	* 1997 04 03.28797	12 58 58.52	-11 24 00.6	18.9 V	704
1997 GB ₁₄	1997 04 07.22436	12 55 27.76	-09 46 55.1		704	1997 GL ₁₄	1997 04 03.40237	12 58 51.59	-11 23 23.0		704
1997 GC ₁₄	* 1997 04 03.28766	13 00 30.60	-09 48 45.4	19.6 V	704	1997 GL ₁₄	1997 04 05.23873	12 57 03.90	-11 13 41.9	19.0 V	704
1997 GC ₁₄	1997 04 03.40205	13 00 23.87	-09 48 00.1		704	1997 GL ₁₄	1997 04 05.36429	12 56 56.15	-11 13 00.4		704
1997 GC ₁₄	1997 04 07.16537	12 56 49.19	-09 23 17.3	19.9 V	704	1997 GL ₁₄	1997 04 06.16132	12 56 09.48	-11 08 41.1	18.4 V	704
1997 GC ₁₄	1997 04 07.22498	12 56 45.62	-09 22 53.1		704	1997 GL ₁₄	1997 04 06.24951	12 56 04.06	-11 08 13.6		704
1997 GD ₁₄	* 1997 04 03.28766	13 00 39.26	-09 57 47.2	18.0 V	704	1997 GL ₁₄	1997 04 07.15092	12 55 10.92	-11 03 13.9	18.5 V	704
1997 GD ₁₄	1997 04 03.40205	13 00 33.07	-09 56 01.7		704	1997 GL ₁₄	1997 04 07.22937	12 55 06.07	-11 02 48.6		704
1997 GD ₁₄	1997 04 05.23804	12 58 56.54	-09 27 42.0	18.4 V	704	1997 GM ₁₄	* 1997 04 03.28797	12 59 38.35	-11 24 57.3	19.4 V	704
1997 GD ₁₄	1997 04 05.36359	12 58 49.64	-09 25 44.9		704	1997 GM ₁₄	1997 04 03.40237	12 59 32.26	-11 24 14.7		704
1997 GD ₁₄	1997 04 06.15645	12 58 08.37	-09 13 28.1	18.2 V	704	1997 GM ₁₄	1997 04 05.23873	12 57 57.88	-11 13 08.5	19.3 V	704
1997 GD ₁₄	1997 04 06.24465	12 58 03.56	-09 12 05.7		704	1997 GM ₁₄	1997 04 05.36429	12 57 51.11	-11 12 22.9		704
1997 GD ₁₄	1997 04 07.14670	12 57 16.38	-08 58 08.1	18.1 V	704	1997 GM ₁₄	1997 04 06.16115	12 57 10.24	-11 07 27.9	18.9 V	704
1997 GD ₁₄	1997 04 07.22514	12 57 12.19	-08 56 55.8		704	1997 GM ₁₄	1997 04 06.22819	12 57 06.58	-11 07 02.0		704
1997 GE ₁₄	* 1997 04 03.28766	13 00 44.75	-09 49 42.3	18.5 V	704	1997 GM ₁₄	1997 04 07.17019	12 56 17.96	-11 01 08.8	19.0 V	704
1997 GE ₁₄	1997 04 03.40205	13 00 37.38	-09 49 08.0		704	1997 GM ₁₄	1997 04 07.22937	12 56 14.75	-11 00 47.4		704
1997 GE ₁₄	1997 04 05.23404	12 58 44.36	-09 39 40.9	18.9 V	704	1997 GN ₁₄	* 1997 04 03.28797	13 00 36.72	-11 11 57.1	19.7 V	704
1997 GE ₁₄	1997 04 05.35960	12 58 36.37	-09 39 02.5		704	1997 GN ₁₄	1997 04 03.40237	13 00 31.40	-11 11 32.2		704
1997 GE ₁₄	1997 04 06.15645	12 57 47.17	-09 34 52.0	18.5 V	704	1997 GN ₁₄	1997 04 05.23856	12 59 07.54	-11 04 45.2	18.8 V	704
1997 GE ₁₄	1997 04 06.22349	12 57 42.91	-09 34 31.6		704	1997 GN ₁₄	1997 04 05.36411	12 59 01.59	-11 04 15.9		704
1997 GE ₁₄	1997 04 07.14654	12 56 45.59	-09 29 35.1	18.6 V	704	1997 GN ₁₄	1997 04 07.15076	12 57 40.05	-10 57 30.4	18.9 V	704
1997 GE ₁₄	1997 04 07.22498	12 56 40.49	-09 29 09.8		704	1997 GN ₁₄	1997 04 07.22921	12 57 36.40	-10 57 13.7		704
1997 GF ₁₄	* 1997 04 03.28766	13 00 58.00	-10 04 03.4	19.2 V	704	1997 GO ₁₄	* 1997 04 03.28830	12 55 24.14	-11 14 07.9	18.9 V	704
1997 GF ₁₄	1997 04 03.40205	13 00 51.30	-10 03 23.6		704	1997 GO ₁₄	1997 04 03.40270	12 55 17.80	-11 13 18.6		704
1997 GF ₁₄	1997 04 05.23821	12 59 08.16	-09 52 43.4	19.0 V	704	1997 GO ₁₄	1997 04 05.23908	12 53 40.37	-11 00 09.3	18.8 V	704
1997 GF ₁₄	1997 04 05.36377	12 59 00.82	-09 51 58.7		704	1997 GO ₁₄	1997 04 05.33329	12 53 35.11	-10 59 28.4		704
1997 GG ₁₄	* 1997 04 03.28766	13 01 03.08	-10 17 04.6	18.6 V	704	1997 GO ₁₄	1997 04 07.14185	12 51 59.79	-10 46 20.8	18.8 V	704
1997 GG ₁₄	1997 04 03.40205	13 00 56.78	-10 16 06.1		704	1997 GO ₁₄	1997 04 07.22029	12 51 55.59	-10 45 46.5		704
1997 GG ₁₄	1997 04 05.23821	12 59 20.46	-10 10 11.1	18.4 V	704	1997 GP ₁₄	* 1997 04 03.28830	12 55 35.32	-11 16 24.6	19.0 V	704
1997 GG ₁₄	1997 04 05.36377	12 59 13.49	-09 59 05.4		704	1997 GP ₁₄	1997 04 03.40270	12 55 28.05	-11 15 55.3		704
1997 GG ₁₄	1997 04 06.15627	12 58 32.03	-09 52 07.5	18.2 V	704	1997 GP ₁₄	1997 04 06.16149	12 52 36.73	-11 03 57.6	18.5 V	704
1997 GG ₁₄	1997 04 06.24447	12 58 27.15	-09 51 22.6		704	1997 GP ₁₄	1997 04 06.24969	12 52 31.12	-11 03 33.8		704
1997 GH ₁₄	* 1997 04 03.28766	13 01 04.69	-10 08 32.7	19.7 V	704	1997 GQ ₁₄	* 1997 04 03.28846	12 53 24.86	-11 28 47.8	19.2 V	704
1997 GH ₁₄	1997 04 03.40205	13 00 58.46	-10 08 27.3		704	1997 GQ ₁₄	1997 04 03.40286	12 53 17.69	-11 28 15.2		704
1997 GH ₁₄	1997 04 05.26969	12 59 17.71	-10 06 22.1	19.5 V	704	1997 GQ ₁₄	1997 04 06.16167	12 50 32.15	-11 14 36.4	19.0 V	704

1997 GQ ₁₄	1997 04 06.24986	12 50 26.73	-11 14 10.3		704	1997 GY ₁₄	1997 04 06.24847	12 59 03.13	-08 57 29.9		704
1997 GQ ₁₄	1997 04 07.17052	12 49 31.84	-11 09 30.7	19.3 V	704	1997 GY ₁₄	1997 04 07.14670	12 58 09.43	-08 54 20.7	19.2 V	704
1997 GQ ₁₄	1997 04 07.22968	12 49 28.23	-11 09 13.0		704	1997 GY ₁₄	1997 04 07.22514	12 58 04.61	-08 54 04.3		704
1997 GR ₁₄	* 1997 04 03.28862	12 50 08.07	-11 30 44.3	19.0 V	704	1997 GZ ₁₄	* 1997 04 03.28926	13 02 12.38	-09 18 58.7	18.8 V	704
1997 GR ₁₄	1997 04 03.40303	12 50 00.94	-11 30 10.5		704	1997 GZ ₁₄	1997 04 03.40368	13 02 05.53	-09 18 28.6		704
1997 GR ₁₄	1997 04 05.22378	12 48 12.51	-11 20 56.4	18.7 V	704	1997 GZ ₁₄	1997 04 05.23804	13 00 20.52	-09 10 41.1	18.8 V	704
1997 GR ₁₄	1997 04 05.34935	12 48 04.59	-11 20 17.0		704	1997 GZ ₁₄	1997 04 05.36359	13 00 12.92	-09 10 08.8		704
1997 GS ₁₄	* 1997 04 03.28862	12 51 18.20	-11 01 13.9	19.2 V	704	1997 GZ ₁₄	1997 04 07.14670	12 58 30.73	-09 02 20.3	19.3 V	704
1997 GS ₁₄	1997 04 03.40303	12 51 10.50	-11 00 49.6		704	1997 GZ ₁₄	1997 04 07.22514	12 58 26.10	-09 01 59.8		704
1997 GS ₁₄	1997 04 05.22378	12 49 13.00	-10 54 09.6	18.4 V	704	1997 GA ₁₅	* 1997 04 03.28926	13 02 28.86	-09 05 51.2	19.5 V	704
1997 GS ₁₄	1997 04 05.34935	12 49 04.59	-10 53 40.9		704	1997 GA ₁₅	1997 04 03.40368	13 02 23.44	-09 05 18.7		704
1997 GS ₁₄	1997 04 07.13744	12 47 08.88	-10 46 47.6	19.2 V	704	1997 GA ₁₅	1997 04 07.14998	12 59 31.20	-08 47 07.4	19.2 V	704
1997 GS ₁₄	1997 04 07.21577	12 47 03.61	-10 46 30.2		704	1997 GA ₁₅	1997 04 07.22843	12 59 27.41	-08 46 44.2		704
1997 GT ₁₄	* 1997 04 03.28879	13 01 48.76	-11 15 05.5	18.5 V	704	1997 GB ₁₅	* 1997 04 03.28926	13 02 40.54	-09 39 11.3	19.8 V	704
1997 GT ₁₄	1997 04 03.40319	13 01 42.54	-11 14 02.1		704	1997 GB ₁₅	1997 04 03.40368	13 02 33.90	-09 38 31.8		704
1997 GT ₁₄	1997 04 05.23856	13 00 06.33	-10 57 02.6	18.2 V	704	1997 GB ₁₅	1997 04 06.16045	13 00 00.83	-09 22 34.3	19.1 V	704
1997 GT ₁₄	1997 04 05.36411	12 59 59.51	-10 55 52.6		704	1997 GB ₁₅	1997 04 06.22749	12 59 56.79	-09 22 12.8		704
1997 GT ₁₄	1997 04 06.16080	12 59 17.83	-10 48 21.2	19.0 V	704	1997 GB ₁₅	1997 04 07.16940	12 59 04.53	-09 16 42.0	20.2 V	704
1997 GT ₁₄	1997 04 06.24899	12 59 13.02	-10 47 30.8		704	1997 GB ₁₅	1997 04 07.22859	12 59 01.07	-09 16 22.0		704
1997 GT ₁₄	1997 04 07.14623	12 58 25.70	-10 38 59.5	18.7 V	704	1997 GC ₁₅	* 1997 04 03.28926	13 02 40.68	-09 21 14.6	19.3 V	704
1997 GT ₁₄	1997 04 07.22467	12 58 21.39	-10 38 16.3		704	1997 GC ₁₅	1997 04 03.40368	13 02 33.50	-09 20 48.1		704
1997 GU ₁₄	* 1997 04 03.28879	13 02 08.28	-10 59 53.3	19.3 V	704	1997 GC ₁₅	1997 04 05.23804	13 00 41.81	-09 13 16.5	19.0 V	704
1997 GU ₁₄	1997 04 03.40319	13 02 01.18	-10 59 18.8		704	1997 GC ₁₅	1997 04 05.36359	13 00 33.76	-09 12 46.7		704
1997 GU ₁₄	1997 04 07.16505	12 58 14.85	-10 39 41.3	19.6 V	704	1997 GC ₁₅	1997 04 06.16045	12 59 45.27	-09 09 26.3	18.8 V	704
1997 GU ₁₄	1997 04 07.22467	12 58 11.22	-10 39 22.5		704	1997 GC ₁₅	1997 04 06.22749	12 59 41.07	-09 09 09.4		704
1997 GV ₁₄	* 1997 04 03.28879	13 02 45.83	-11 18 42.2	19.4 V	704	1997 GC ₁₅	1997 04 07.14670	12 58 44.76	-09 05 18.4	19.2 V	704
1997 GV ₁₄	1997 04 03.40319	13 02 39.24	-11 18 18.4		704	1997 GC ₁₅	1997 04 07.22514	12 58 39.70	-09 04 56.7		704
1997 GV ₁₄	1997 04 05.27003	13 00 57.11	-11 11 49.6	19.6 V	704	1997 GD ₁₅	* 1997 04 03.28941	13 01 46.27	-08 59 32.6	18.7 V	704
1997 GV ₁₄	1997 04 05.36411	13 00 51.74	-11 11 32.6		704	1997 GD ₁₅	1997 04 03.40384	13 01 40.43	-08 58 55.7		704
1997 GV ₁₄	1997 04 06.16097	13 00 08.28	-11 08 41.0	19.1 V	704	1997 GD ₁₅	1997 04 05.23786	13 00 09.42	-08 49 24.3	19.0 V	704
1997 GV ₁₄	1997 04 06.22801	13 00 04.45	-11 08 26.4		704	1997 GD ₁₅	1997 04 05.36342	13 00 02.92	-08 48 44.5		704
1997 GV ₁₄	1997 04 07.15061	12 59 13.76	-11 05 06.2	18.9 V	704	1997 GD ₁₅	1997 04 06.18311	12 59 22.24	-08 44 26.8	18.7 V	704
1997 GV ₁₄	1997 04 07.22906	12 59 09.40	-11 04 49.4		704	1997 GD ₁₅	1997 04 06.24847	12 59 18.84	-08 44 05.2		704
1997 GW ₁₄	* 1997 04 03.28910	13 01 22.06	-10 07 27.4	18.0 V	704	1997 GD ₁₅	1997 04 07.14670	12 58 34.23	-08 39 19.7	19.1 V	704
1997 GW ₁₄	1997 04 03.40352	13 01 15.70	-10 06 37.5		704	1997 GD ₁₅	1997 04 07.22514	12 58 30.09	-08 38 56.2		704
1997 GW ₁₄	1997 04 05.23821	12 59 39.00	-09 53 28.6	17.5 V	704	1997 GE ₁₅	* 1997 04 03.28941	13 01 56.39	-08 44 50.3	18.7 V	704
1997 GW ₁₄	1997 04 05.36377	12 59 31.92	-09 52 34.0		704	1997 GE ₁₅	1997 04 03.40384	13 01 49.79	-08 44 18.0		704
1997 GW ₁₄	1997 04 07.14654	12 57 56.95	-09 39 23.1	18.2 V	704	1997 GE ₁₅	1997 04 05.23786	13 00 09.14	-08 35 35.9	18.5 V	704
1997 GW ₁₄	1997 04 07.22498	12 57 52.59	-09 38 49.8		704	1997 GE ₁₅	1997 04 05.36342	13 00 01.81	-08 35 00.5		704
1997 GX ₁₄	* 1997 04 03.28910	13 02 27.54	-10 10 20.0	18.9 V	704	1997 GE ₁₅	1997 04 07.14686	12 58 24.05	-08 26 21.1	19.0 V	704
1997 GX ₁₄	1997 04 03.40352	13 02 20.41	-10 10 07.9		704	1997 GE ₁₅	1997 04 07.20635	12 58 20.66	-08 26 04.4		704
1997 GX ₁₄	1997 04 05.23821	13 00 28.24	-10 07 07.3	18.8 V	704	1997 GF ₁₅	* 1997 04 03.28957	13 02 18.21	-08 27 20.2	18.2 V	704
1997 GX ₁₄	1997 04 05.36377	13 00 20.27	-10 06 53.7		704	1997 GF ₁₅	1997 04 03.40401	13 02 13.31	-08 26 36.3		704
1997 GX ₁₄	1997 04 06.16062	12 59 31.44	-10 05 31.5	18.8 V	704	1997 GF ₁₅	1997 04 05.23769	13 00 57.53	-08 14 45.8	17.8 V	704
1997 GX ₁₄	1997 04 06.22767	12 59 27.20	-10 05 23.9		704	1997 GF ₁₅	1997 04 05.36325	13 00 52.12	-08 13 57.5		704
1997 GX ₁₄	1997 04 07.14638	12 58 30.60	-10 03 45.1	18.5 V	704	1997 GF ₁₅	1997 04 06.16010	13 00 19.22	-08 08 45.1	17.9 V	704
1997 GX ₁₄	1997 04 07.22483	12 58 25.70	-10 03 36.6		704	1997 GF ₁₅	1997 04 06.24830	13 00 15.47	-08 08 11.2		704
1997 GY ₁₄	* 1997 04 03.28926	13 02 00.25	-09 07 40.0	18.7 V	704	1997 GF ₁₅	1997 04 07.14983	12 59 38.08	-08 02 18.0	17.7 V	704
1997 GY ₁₄	1997 04 03.40368	13 01 53.19	-09 07 15.7		704	1997 GF ₁₅	1997 04 07.22828	12 59 34.79	-08 01 47.0		704
1997 GY ₁₄	1997 04 05.23786	13 00 03.78	-09 00 59.6	18.6 V	704	1997 GG ₁₅	* 1997 04 03.28957	13 02 23.90	-07 57 29.3	19.3 V	704
1997 GY ₁₄	1997 04 05.36342	12 59 56.02	-09 00 35.4		704	1997 GG ₁₅	1997 04 03.40401	13 02 17.08	-07 56 56.5		704
1997 GY ₁₄	1997 04 06.18311	12 59 07.19	-08 57 44.5	19.2 V	704	1997 GG ₁₅	1997 04 07.14702	12 58 41.85	-07 38 54.3	18.8 V	704

1997 GG ₁₅	1997 04 07.22545	12 58 37.24	-07 38 33.9		704	1997 GP ₁₅	1997 04 05.33522	13 01 23.73	-05 50 16.1		704
1997 GH ₁₅	* 1997 04 03.28957	13 02 51.45	-08 21 51.2	18.3 V	704	1997 GP ₁₅	1997 04 06.15941	13 00 33.45	-05 44 41.2	19.1 V	704
1997 GH ₁₅	1997 04 03.40401	13 02 45.45	-08 21 03.9		704	1997 GP ₁₅	1997 04 06.24760	13 00 27.89	-05 44 07.2		704
1997 GH ₁₅	1997 04 06.18294	13 00 25.22	-08 02 10.0	17.6 V	704	1997 GP ₁₅	1997 04 07.14920	12 59 32.72	-05 38 01.8	18.2 V	704
1997 GH ₁₅	1997 04 06.24830	13 00 21.73	-08 01 42.3		704	1997 GP ₁₅	1997 04 07.22765	12 59 27.73	-05 37 29.8		704
1997 GH ₁₅	1997 04 07.14983	12 59 36.21	-07 55 31.3	18.1 V	704	1997 GQ ₁₅	* 1997 04 03.29037	13 01 32.61	-04 55 29.2	19.5 V	704
1997 GH ₁₅	1997 04 07.22828	12 59 32.08	-07 54 58.8		704	1997 GQ ₁₅	1997 04 03.40482	13 01 26.84	-04 54 28.3		704
1997 GJ ₁₅	* 1997 04 03.28957	13 02 52.32	-08 03 28.8	19.2 V	704	1997 GQ ₁₅	1997 04 05.23665	12 59 58.49	-04 38 22.4	18.5 V	704
1997 GJ ₁₅	1997 04 03.40401	13 02 47.14	-08 02 41.0		704	1997 GQ ₁₅	1997 04 05.36220	12 59 52.20	-04 37 15.7		704
1997 GJ ₁₅	1997 04 07.14967	13 00 05.68	-07 36 23.7	19.3 V	704	1997 GQ ₁₅	1997 04 07.14779	12 58 26.11	-04 21 37.5	19.5 V	704
1997 GJ ₁₅	1997 04 07.22812	13 00 02.17	-07 35 50.1		704	1997 GQ ₁₅	1997 04 07.22624	12 58 22.23	-04 20 57.3		704
1997 GK ₁₅	* 1997 04 03.28957	13 03 08.94	-08 02 51.2	18.7 V	704	1997 GR ₁₅	* 1997 04 03.29037	13 01 37.01	-05 21 25.5	19.6 V	704
1997 GK ₁₅	1997 04 03.40401	13 03 03.11	-08 02 18.9		704	1997 GR ₁₅	1997 04 03.40482	13 01 31.75	-05 20 52.3		704
1997 GK ₁₅	1997 04 06.18260	13 00 49.42	-07 49 03.4	18.2 V	704	1997 GR ₁₅	1997 04 05.26830	13 00 08.52	-05 11 33.3	19.1 V	704
1997 GK ₁₅	1997 04 06.24812	13 00 46.18	-07 48 45.4		704	1997 GR ₁₅	1997 04 05.36238	13 00 04.29	-05 11 05.8		704
1997 GK ₁₅	1997 04 07.14967	13 00 02.70	-07 44 23.9	19.5 V	704	1997 GR ₁₅	1997 04 07.16647	12 58 43.83	-05 02 05.7	20.2 V	704
1997 GK ₁₅	1997 04 07.22812	12 59 58.81	-07 44 02.2		704	1997 GR ₁₅	1997 04 07.22609	12 58 41.07	-05 01 47.7		704
1997 GL ₁₅	* 1997 04 03.28957	13 03 09.79	-07 58 41.7	19.5 V	704	1997 GS ₁₅	* 1997 04 03.29037	13 03 14.06	-05 24 43.9	19.8 V	704
1997 GL ₁₅	1997 04 03.40401	13 03 03.20	-07 58 14.7		704	1997 GS ₁₅	1997 04 03.40482	13 03 07.12	-05 24 30.6		704
1997 GL ₁₅	1997 04 05.24047	13 01 22.73	-07 50 48.6	19.4 V	704	1997 GS ₁₅	1997 04 06.15924	13 00 26.65	-05 19 15.3	19.2 V	704
1997 GL ₁₅	1997 04 05.33469	13 01 17.46	-07 50 23.9		704	1997 GS ₁₅	1997 04 06.24743	13 00 21.24	-05 19 04.8		704
1997 GL ₁₅	1997 04 06.18260	13 00 31.12	-07 46 55.4	18.4 V	704	1997 GS ₁₅	1997 04 07.14904	12 59 28.48	-05 17 21.1	19.4 V	704
1997 GL ₁₅	1997 04 06.24812	13 00 27.44	-07 46 40.0		704	1997 GS ₁₅	1997 04 07.22749	12 59 23.71	-05 17 12.2		704
1997 GL ₁₅	1997 04 07.14967	12 59 37.96	-07 42 56.9	18.6 V	704	1997 GT ₁₅	* 1997 04 03.29053	13 01 36.81	-04 43 59.0	18.6 V	704
1997 GL ₁₅	1997 04 07.22812	12 59 33.54	-07 42 38.9		704	1997 GT ₁₅	1997 04 03.40498	13 01 30.94	-04 43 25.0		704
1997 GM ₁₅	* 1997 04 03.28973	13 01 19.44	-07 36 19.4	19.1 V	704	1997 GT ₁₅	1997 04 05.23665	12 59 59.13	-04 34 32.9	18.3 V	704
1997 GM ₁₅	1997 04 03.40417	13 01 11.72	-07 35 58.5		704	1997 GT ₁₅	1997 04 05.36220	12 59 52.58	-04 33 56.0		704
1997 GM ₁₅	1997 04 05.23752	12 59 13.64	-07 30 24.3	18.5 V	704	1997 GT ₁₅	1997 04 06.15906	12 59 12.71	-04 30 05.1	19.4 V	704
1997 GM ₁₅	1997 04 05.36307	12 59 05.07	-07 30 01.5		704	1997 GT ₁₅	1997 04 06.24726	12 59 08.13	-04 29 38.7		704
1997 GM ₁₅	1997 04 06.15698	12 58 14.07	-07 27 33.4	18.1 V	704	1997 GT ₁₅	1997 04 07.14779	12 58 22.93	-04 25 18.4	18.6 V	704
1997 GM ₁₅	1997 04 06.24517	12 58 08.10	-07 27 16.7		704	1997 GT ₁₅	1997 04 07.22624	12 58 18.89	-04 24 56.1		704
1997 GM ₁₅	1997 04 07.14702	12 57 09.77	-07 24 26.9	18.3 V	704	1997 GU ₁₅	* 1997 04 03.29053	13 03 10.96	-04 20 15.7	19.7 V	704
1997 GM ₁₅	1997 04 07.22545	12 57 04.44	-07 24 12.4		704	1997 GU ₁₅	1997 04 03.40498	13 03 04.55	-04 19 09.2		704
1997 GN ₁₅	* 1997 04 03.28988	13 02 19.48	-06 58 04.4	19.3 V	704	1997 GU ₁₅	1997 04 06.15889	13 00 34.84	-03 52 38.8	19.5 V	704
1997 GN ₁₅	1997 04 03.40433	13 02 12.56	-06 57 33.1		704	1997 GU ₁₅	1997 04 06.24708	13 00 29.91	-03 51 48.7		704
1997 GN ₁₅	1997 04 05.23734	13 00 25.36	-06 48 58.6	18.7 V	704	1997 GV ₁₅	* 1997 04 03.29068	13 01 27.03	-03 46 52.9	19.2 V	704
1997 GN ₁₅	1997 04 05.36290	13 00 17.63	-06 48 21.8		704	1997 GV ₁₅	1997 04 03.40514	13 01 20.26	-03 46 21.3		704
1997 GN ₁₅	1997 04 06.18242	12 59 29.54	-06 44 29.1	18.4 V	704	1997 GV ₁₅	1997 04 05.23630	12 59 36.68	-03 38 04.3	18.8 V	704
1997 GN ₁₅	1997 04 06.24795	12 59 25.48	-06 44 09.3		704	1997 GV ₁₅	1997 04 05.36186	12 59 29.09	-03 37 30.7		704
1997 GN ₁₅	1997 04 07.14733	12 58 32.34	-06 39 53.3	19.6 V	704	1997 GV ₁₅	1997 04 06.15819	12 58 44.00	-03 33 55.2	19.3 V	704
1997 GN ₁₅	1997 04 07.22577	12 58 27.64	-06 39 30.8		704	1997 GV ₁₅	1997 04 06.24639	12 58 38.79	-03 33 31.5		704
1997 GO ₁₅	* 1997 04 03.28988	13 03 14.86	-06 49 22.6	19.6 V	704	1997 GV ₁₅	1997 04 07.14811	12 57 47.25	-03 29 29.1	19.4 V	704
1997 GO ₁₅	1997 04 03.40433	13 03 09.46	-06 48 46.7		704	1997 GV ₁₅	1997 04 07.22656	12 57 42.58	-03 29 08.5		704
1997 GO ₁₅	1997 04 05.24085	13 01 45.96	-06 39 28.5	18.9 V	704	1997 GW ₁₅	* 1997 04 03.29068	13 01 35.61	-03 53 09.6	19.4 V	704
1997 GO ₁₅	1997 04 05.33505	13 01 41.50	-06 38 59.3		704	1997 GW ₁₅	1997 04 03.40514	13 01 30.45	-03 52 25.2		704
1997 GO ₁₅	1997 04 06.18225	13 01 03.12	-06 34 39.6	19.7 V	704	1997 GW ₁₅	1997 04 06.15871	12 59 29.84	-03 34 18.0	19.3 V	704
1997 GO ₁₅	1997 04 06.24778	13 01 00.05	-06 34 21.1		704	1997 GW ₁₅	1997 04 06.24691	12 59 25.86	-03 33 43.5		704
1997 GO ₁₅	1997 04 07.14936	13 00 18.98	-06 29 44.6	19.5 V	704	1997 GW ₁₅	1997 04 07.14811	12 58 46.29	-03 27 48.8	19.6 V	704
1997 GO ₁₅	1997 04 07.22781	13 00 15.36	-06 29 21.4		704	1997 GW ₁₅	1997 04 07.22656	12 58 42.81	-03 27 18.8		704
1997 GP ₁₅	* 1997 04 03.29021	13 03 28.77	-06 03 59.2	19.5 V	704	1997 GX ₁₅	* 1997 04 03.29068	13 03 14.28	-04 00 11.8	20.0 V	704
1997 GP ₁₅	1997 04 03.40465	13 03 21.49	-06 03 13.4		704	1997 GX ₁₅	1997 04 03.40514	13 03 08.11	-03 59 22.8		704
1997 GP ₁₅	1997 04 05.24102	13 01 29.66	-05 50 53.1	18.7 V	704	1997 GX ₁₅	1997 04 05.24154	13 01 32.71	-03 46 23.7	19.2 V	704

1997 GX ₁₅	1997 04 05.33574	13 01 27.60	-03 45 42.9		704	1997 GF ₁₆	1997 04 06.25233	13 02 09.46	-03 12 42.9		704
1997 GX ₁₅	1997 04 06.18138	13 00 43.56	-03 39 47.0	19.2 V	704	1997 GF ₁₆	1997 04 07.14858	13 01 04.92	-03 14 05.6	18.9 V	704
1997 GX ₁₅	1997 04 06.24691	13 00 40.05	-03 39 20.0		704	1997 GF ₁₆	1997 04 07.22703	13 00 59.20	-03 14 12.7		704
1997 GX ₁₅	1997 04 07.14858	12 59 53.09	-03 32 59.4	19.2 V	704	1997 GG ₁₆	* 1997 04 03.29146	13 04 32.81	-04 05 47.5	19.8 V	704
1997 GX ₁₅	1997 04 07.22703	12 59 48.76	-03 32 27.4		704	1997 GG ₁₆	1997 04 03.40595	13 04 25.97	-04 05 01.2		704
1997 GY ₁₅	* 1997 04 03.29084	13 02 23.03	-03 25 30.0	17.9 V	704	1997 GG ₁₆	1997 04 05.24154	13 02 38.72	-03 52 37.8	19.4 V	704
1997 GY ₁₅	1997 04 03.40530	13 02 15.63	-03 24 50.1		704	1997 GG ₁₆	1997 04 05.33574	13 02 32.89	-03 51 59.7		704
1997 GY ₁₅	1997 04 05.23630	13 00 20.90	-03 14 28.5	18.2 V	704	1997 GG ₁₆	1997 04 07.16784	13 00 45.16	-03 39 39.6	19.1 V	704
1997 GY ₁₅	1997 04 05.36186	13 00 12.61	-03 13 46.2		704	1997 GG ₁₆	1997 04 07.22703	13 00 41.51	-03 39 16.5		704
1997 GY ₁₅	1997 04 06.15871	12 59 22.67	-03 09 15.7	17.9 V	704	1997 GH ₁₆	* 1997 04 03.29162	13 03 56.74	-04 53 04.5	19.7 V	704
1997 GY ₁₅	1997 04 06.24691	12 59 16.87	-03 08 45.4		704	1997 GH ₁₆	1997 04 03.40611	13 03 51.52	-04 52 18.8		704
1997 GY ₁₅	1997 04 07.14827	12 58 19.85	-03 03 41.4	18.1 V	704	1997 GH ₁₆	1997 04 07.14889	13 01 10.17	-04 27 46.8	19.5 V	704
1997 GY ₁₅	1997 04 07.22671	12 58 14.76	-03 03 15.5		704	1997 GH ₁₆	1997 04 07.22734	13 01 06.37	-04 27 18.5		704
1997 GZ ₁₅	* 1997 04 03.29084	13 02 26.20	-03 25 35.7	19.2 V	704	1997 GJ ₁₆	* 1997 04 03.29162	13 04 29.79	-04 27 27.2	19.3 V	704
1997 GZ ₁₅	1997 04 03.40530	13 02 19.85	-03 24 43.7		704	1997 GJ ₁₆	1997 04 03.40611	13 04 23.93	-04 26 56.1		704
1997 GZ ₁₅	1997 04 05.23630	13 00 41.02	-03 10 36.4	19.0 V	704	1997 GJ ₁₆	1997 04 06.16394	13 02 08.30	-04 14 41.4	19.4 V	704
1997 GZ ₁₅	1997 04 05.36186	13 00 34.04	-03 09 40.1		704	1997 GJ ₁₆	1997 04 06.25215	13 02 03.80	-04 14 18.7		704
1997 GZ ₁₅	1997 04 07.16768	12 58 56.27	-02 55 48.6	19.4 V	704	1997 GJ ₁₆	1997 04 07.15329	13 01 19.43	-04 10 21.3	19.8 V	704
1997 GZ ₁₅	1997 04 07.22687	12 58 52.99	-02 55 20.5		704	1997 GJ ₁₆	1997 04 07.23172	13 01 15.49	-04 09 59.4		704
1997 GA ₁₆	* 1997 04 03.29084	13 02 36.56	-03 18 54.6	18.6 V	704	1997 GK ₁₆	* 1997 04 03.29162	13 05 11.42	-04 42 05.1	19.4 V	704
1997 GA ₁₆	1997 04 03.40530	13 02 30.07	-03 18 34.1		704	1997 GK ₁₆	1997 04 03.40611	13 05 05.96	-04 41 31.5		704
1997 GA ₁₆	1997 04 05.26778	13 00 47.58	-03 12 41.9	19.1 V	704	1997 GK ₁₆	1997 04 05.24259	13 03 40.84	-04 32 26.5	18.9 V	704
1997 GA ₁₆	1997 04 05.36186	13 00 42.15	-03 12 24.6		704	1997 GK ₁₆	1997 04 05.33679	13 03 36.26	-04 31 59.9		704
1997 GA ₁₆	1997 04 06.15871	12 59 58.34	-03 09 54.4	18.9 V	704	1997 GK ₁₆	1997 04 06.16377	13 02 57.93	-04 27 52.8	19.5 V	704
1997 GA ₁₆	1997 04 06.24691	12 59 53.30	-03 09 38.3		704	1997 GK ₁₆	1997 04 06.25198	13 02 53.65	-04 27 26.6		704
1997 GB ₁₆	* 1997 04 03.29100	13 01 17.97	-03 00 50.9	19.0 V	704	1997 GK ₁₆	1997 04 07.15313	13 02 11.74	-04 22 59.9	19.2 V	704
1997 GB ₁₆	1997 04 03.40546	13 01 12.07	-02 59 58.9		704	1997 GK ₁₆	1997 04 07.23157	13 02 07.91	-04 22 36.3		704
1997 GB ₁₆	1997 04 05.23613	12 59 42.31	-02 46 17.3	18.1 V	704	1997 GL ₁₆	* 1997 04 03.29162	13 05 36.56	-04 38 50.0	19.8 V	704
1997 GB ₁₆	1997 04 05.36168	12 59 35.74	-02 45 21.4		704	1997 GL ₁₆	1997 04 03.40611	13 05 30.97	-04 38 13.3		704
1997 GB ₁₆	1997 04 06.15854	12 58 56.87	-02 39 26.7	18.8 V	704	1997 GL ₁₆	1997 04 06.18824	13 03 20.67	-04 23 04.5	19.9 V	704
1997 GB ₁₆	1997 04 06.24673	12 58 52.28	-02 38 47.0		704	1997 GL ₁₆	1997 04 06.25198	13 03 17.56	-04 22 42.7		704
1997 GB ₁₆	1997 04 07.14827	12 58 07.90	-02 32 08.1	18.5 V	704	1997 GM ₁₆	* 1997 04 03.29162	13 05 47.90	-04 33 19.2	19.7 V	704
1997 GB ₁₆	1997 04 07.22671	12 58 03.94	-02 31 33.1		704	1997 GM ₁₆	1997 04 03.37752	13 05 43.04	-04 32 35.4		704
1997 GC ₁₆	* 1997 04 03.29115	13 04 57.92	-03 04 02.2	17.9 V	704	1997 GM ₁₆	1997 04 07.15329	13 02 20.82	-04 00 23.7	19.7 V	704
1997 GC ₁₆	1997 04 03.40563	13 04 53.32	-03 02 51.9		704	1997 GM ₁₆	1997 04 07.23172	13 02 16.43	-03 59 43.9		704
1997 GC ₁₆	1997 04 05.24207	13 03 42.31	-02 44 11.5	16.9 V	704	1997 GN ₁₆	* 1997 04 03.29178	13 05 12.73	-05 02 59.7	19.7 V	704
1997 GC ₁₆	1997 04 05.33627	13 03 38.53	-02 43 13.0		704	1997 GN ₁₆	1997 04 03.40627	13 05 06.59	-05 02 09.5		704
1997 GD ₁₆	* 1997 04 03.29131	13 03 43.08	-03 14 38.8	19.5 V	704	1997 GN ₁₆	1997 04 06.16377	13 02 44.36	-04 42 10.2	19.3 V	704
1997 GD ₁₆	1997 04 03.40579	13 03 35.66	-03 14 01.0		704	1997 GN ₁₆	1997 04 06.25198	13 02 39.64	-04 41 33.2		704
1997 GD ₁₆	1997 04 06.18120	13 00 42.79	-02 59 28.7	19.7 V	704	1997 GN ₁₆	1997 04 07.15313	13 01 53.32	-04 35 01.4	19.3 V	704
1997 GD ₁₆	1997 04 06.24673	13 00 38.56	-02 59 05.4		704	1997 GN ₁₆	1997 04 07.23157	13 01 49.18	-04 34 27.1		704
1997 GD ₁₆	1997 04 07.14842	12 59 42.36	-02 54 29.7	19.2 V	704	1997 GO ₁₆	* 1997 04 03.29193	13 04 34.00	-05 42 35.2	19.4 V	704
1997 GD ₁₆	1997 04 07.22687	12 59 37.45	-02 54 06.0		704	1997 GO ₁₆	1997 04 03.40644	13 04 26.89	-05 42 06.9		704
1997 GE ₁₆	* 1997 04 03.29131	13 04 23.79	-03 08 17.8	20.0 V	704	1997 GO ₁₆	1997 04 07.14904	13 00 40.80	-05 26 48.0	19.9 V	704
1997 GE ₁₆	1997 04 03.40579	13 04 18.74	-03 07 26.9		704	1997 GO ₁₆	1997 04 07.22749	13 00 36.02	-05 26 29.3		704
1997 GE ₁₆	1997 04 07.17288	13 01 35.99	-02 40 00.6	19.1 V	704	1997 GP ₁₆	* 1997 04 03.29193	13 04 55.24	-06 01 01.6	19.5 V	704
1997 GE ₁₆	1997 04 07.23204	13 01 33.28	-02 39 36.3		704	1997 GP ₁₆	1997 04 03.40644	13 04 49.59	-06 00 32.3		704
1997 GF ₁₆	* 1997 04 03.29131	13 05 42.39	-03 08 15.7	19.0 V	704	1997 GP ₁₆	1997 04 05.24102	13 03 21.17	-05 52 43.2	19.2 V	704
1997 GF ₁₆	1997 04 03.40579	13 05 34.02	-03 08 24.9		704	1997 GP ₁₆	1997 04 05.33522	13 03 16.62	-05 52 20.3		704
1997 GF ₁₆	1997 04 05.24172	13 03 22.35	-03 11 10.6	18.3 V	704	1997 GP ₁₆	1997 04 06.16341	13 02 36.52	-05 48 51.3	19.2 V	704
1997 GF ₁₆	1997 04 05.33592	13 03 15.43	-03 11 19.7		704	1997 GP ₁₆	1997 04 06.25163	13 02 32.19	-05 48 27.6		704
1997 GF ₁₆	1997 04 06.16412	13 02 15.97	-03 12 34.5	18.0 V	704	1997 GP ₁₆	1997 04 07.15282	13 01 48.55	-05 44 38.6	18.9 V	704

1997 GP ₁₆	1997 04 07.23126	13 01 44.63	-05 44 18.3		704	1997 GZ ₁₆	1997 04 03.40725	13 04 40.68	-09 01 15.6		704
1997 GQ ₁₆	* 1997 04 03.29193	13 05 19.37	-05 45 20.7	19.5 V	704	1997 GZ ₁₆	1997 04 05.24013	13 02 55.28	-08 44 53.6	18.5 V	704
1997 GQ ₁₆	1997 04 03.40644	13 05 12.64	-05 44 32.9		704	1997 GZ ₁₆	1997 04 05.36570	13 02 46.89	-08 43 36.2		704
1997 GQ ₁₆	1997 04 05.24102	13 03 29.33	-05 31 46.0	19.1 V	704	1997 GZ ₁₆	1997 04 07.14983	13 01 04.83	-08 27 36.0	18.8 V	704
1997 GQ ₁₆	1997 04 05.33522	13 03 23.85	-05 31 06.3		704	1997 GZ ₁₆	1997 04 07.22828	13 01 00.17	-08 26 53.7		704
1997 GQ ₁₆	1997 04 06.16359	13 02 37.24	-05 25 21.0	19.2 V	704	1997 GA ₁₇	* 1997 04 03.29271	13 04 51.80	-08 38 23.8	19.6 V	704
1997 GQ ₁₆	1997 04 06.25180	13 02 32.13	-05 24 44.2		704	1997 GA ₁₇	1997 04 03.40725	13 04 44.68	-08 37 47.2		704
1997 GQ ₁₆	1997 04 07.15298	13 01 41.37	-05 18 27.5	19.2 V	704	1997 GA ₁₇	1997 04 06.16272	13 01 58.42	-08 23 11.6	18.8 V	704
1997 GQ ₁₆	1997 04 07.23141	13 01 36.76	-05 17 54.4		704	1997 GA ₁₇	1997 04 06.25091	13 01 52.88	-08 22 44.0		704
1997 GR ₁₆	* 1997 04 03.29193	13 05 19.41	-05 51 46.7	20.0 V	704	1997 GA ₁₇	1997 04 07.16909	13 00 57.32	-08 17 46.5	19.7 V	704
1997 GR ₁₆	1997 04 03.40644	13 05 12.56	-05 51 01.4		704	1997 GA ₁₇	1997 04 07.22828	13 00 53.63	-08 17 27.2		704
1997 GR ₁₆	1997 04 05.24102	13 03 26.67	-05 38 37.4	19.1 V	704	1997 GB ₁₇	* 1997 04 03.29271	13 05 51.61	-08 37 23.9	19.2 V	704
1997 GR ₁₆	1997 04 05.33522	13 03 20.88	-05 38 01.9		704	1997 GB ₁₇	1997 04 03.40725	13 05 45.84	-08 36 34.6		704
1997 GR ₁₆	1997 04 07.17225	13 01 33.78	-05 25 31.5	20.1 V	704	1997 GB ₁₇	1997 04 05.24363	13 04 16.89	-08 23 06.6	18.6 V	704
1997 GR ₁₆	1997 04 07.23141	13 01 30.19	-05 25 06.6		704	1997 GB ₁₇	1997 04 05.33783	13 04 11.96	-08 22 27.2		704
1997 GS ₁₆	* 1997 04 03.29193	13 05 55.47	-05 41 41.1	18.4 V	704	1997 GB ₁₇	1997 04 06.16272	13 03 31.96	-08 16 18.8	18.6 V	704
1997 GS ₁₆	1997 04 03.40644	13 05 49.99	-05 41 04.6		704	1997 GB ₁₇	1997 04 06.25091	13 03 27.50	-08 15 41.5		704
1997 GS ₁₆	1997 04 07.15298	13 02 56.57	-05 20 47.1	18.0 V	704	1997 GB ₁₇	1997 04 07.15219	13 02 43.34	-08 08 56.3	19.0 V	704
1997 GS ₁₆	1997 04 07.23141	13 02 52.82	-05 20 21.4		704	1997 GB ₁₇	1997 04 07.23063	13 02 39.30	-08 08 21.9		704
1997 GT ₁₆	* 1997 04 03.29193	13 05 59.26	-05 36 42.1	18.7 V	704	1997 GC ₁₇	* 1997 04 03.29287	13 03 46.43	-09 13 47.9	19.1 V	704
1997 GT ₁₆	1997 04 03.40644	13 05 53.83	-05 35 48.9		704	1997 GC ₁₇	1997 04 03.40741	13 03 39.76	-09 13 27.1		704
1997 GT ₁₆	1997 04 05.24276	13 04 30.69	-05 21 29.7	18.5 V	704	1997 GC ₁₇	1997 04 05.23995	13 01 56.28	-09 08 01.1	18.6 V	704
1997 GT ₁₆	1997 04 05.33696	13 04 26.25	-05 20 45.5		704	1997 GC ₁₇	1997 04 05.33417	13 01 50.71	-09 07 43.8		704
1997 GT ₁₆	1997 04 07.15298	13 03 03.72	-05 06 36.7	18.3 V	704	1997 GC ₁₇	1997 04 06.18311	13 01 02.96	-09 05 08.0	19.4 V	704
1997 GT ₁₆	1997 04 07.23141	13 03 00.06	-05 06 00.3		704	1997 GC ₁₇	1997 04 06.24847	13 00 59.13	-09 04 55.9		704
1997 GU ₁₆	* 1997 04 03.29209	13 05 12.77	-06 09 06.1	19.9 V	704	1997 GC ₁₇	1997 04 07.14998	13 00 08.03	-09 02 07.4	19.0 V	704
1997 GU ₁₆	1997 04 03.40660	13 05 07.45	-06 08 30.0		704	1997 GC ₁₇	1997 04 07.22843	13 00 03.43	-09 01 53.9		704
1997 GU ₁₆	1997 04 07.15282	13 02 18.53	-05 49 23.5	19.6 V	704	1997 GD ₁₇	* 1997 04 03.29303	13 04 08.41	-09 47 42.5	18.8 V	704
1997 GU ₁₆	1997 04 07.23126	13 02 14.79	-05 48 58.7		704	1997 GD ₁₇	1997 04 03.40757	13 04 01.73	-09 47 01.7		704
1997 GV ₁₆	* 1997 04 03.29209	13 05 26.58	-06 26 41.6	19.6 V	704	1997 GD ₁₇	1997 04 05.23995	13 02 18.38	-09 36 18.9	18.7 V	704
1997 GV ₁₆	1997 04 03.40660	13 05 21.52	-06 25 53.2		704	1997 GD ₁₇	1997 04 05.33417	13 02 12.83	-09 35 46.9		704
1997 GV ₁₆	1997 04 05.24311	13 04 02.79	-06 12 43.9	18.9 V	704	1997 GD ₁₇	1997 04 07.15014	13 00 30.51	-09 25 00.2	19.0 V	704
1997 GV ₁₆	1997 04 05.33731	13 03 58.51	-06 12 02.3		704	1997 GD ₁₇	1997 04 07.22859	13 00 26.05	-09 24 32.6		704
1997 GV ₁₆	1997 04 07.15282	13 02 40.43	-05 58 57.9	19.0 V	704	1997 GE ₁₇	* 1997 04 03.29303	13 04 14.73	-10 07 38.9	18.5 V	704
1997 GV ₁₆	1997 04 07.23126	13 02 36.92	-05 58 23.9		704	1997 GE ₁₇	1997 04 03.40757	13 04 07.11	-10 07 17.3		704
1997 GW ₁₆	* 1997 04 03.29240	13 05 08.00	-07 25 50.6	19.4 V	704	1997 GE ₁₇	1997 04 05.23978	13 02 09.59	-10 01 32.7	18.1 V	704
1997 GW ₁₆	1997 04 03.40692	13 05 02.01	-07 25 34.3		704	1997 GE ₁₇	1997 04 05.33399	13 02 03.26	-10 01 14.3		704
1997 GW ₁₆	1997 04 07.15251	13 01 50.45	-07 16 21.7	19.6 V	704	1997 GE ₁₇	1997 04 06.16062	13 01 10.18	-09 58 33.8	18.8 V	704
1997 GW ₁₆	1997 04 07.23094	13 01 46.30	-07 16 08.8		704	1997 GE ₁₇	1997 04 06.22767	13 01 05.79	-09 58 21.0		704
1997 GX ₁₆	* 1997 04 03.29271	13 03 48.28	-08 32 20.1	18.2 V	704	1997 GE ₁₇	1997 04 07.15029	13 00 06.35	-09 55 15.3	18.4 V	704
1997 GX ₁₆	1997 04 03.40725	13 03 40.79	-08 32 24.6		704	1997 GE ₁₇	1997 04 07.22875	13 00 01.18	-09 55 00.4		704
1997 GX ₁₆	1997 04 05.24013	13 01 45.48	-08 33 47.7	18.5 V	704	1997 GF ₁₇	* 1997 04 03.29319	13 05 26.35	-10 26 24.5	17.9 V	704
1997 GX ₁₆	1997 04 05.33434	13 01 39.28	-08 33 51.6		704	1997 GF ₁₇	1997 04 03.40773	13 05 20.34	-10 25 23.7		704
1997 GX ₁₆	1997 04 06.16028	13 00 47.32	-08 34 25.0	18.6 V	704	1997 GF ₁₇	1997 04 05.24415	13 03 49.12	-10 08 41.5	17.1 V	704
1997 GX ₁₆	1997 04 06.24847	13 00 41.61	-08 34 29.1		704	1997 GF ₁₇	1997 04 05.33835	13 03 44.09	-10 07 49.2		704
1997 GX ₁₆	1997 04 07.14998	12 59 44.62	-08 35 03.8	18.1 V	704	1997 GF ₁₇	1997 04 06.16220	13 03 03.12	-10 00 10.4	17.3 V	704
1997 GX ₁₆	1997 04 07.22843	12 59 39.49	-08 35 07.1		704	1997 GF ₁₇	1997 04 06.25039	13 02 58.44	-09 59 22.5		704
1997 GY ₁₆	* 1997 04 03.29271	13 04 20.75	-08 58 52.4	19.6 V	704	1997 GF ₁₇	1997 04 07.15171	13 02 13.22	-09 50 57.3	17.5 V	704
1997 GY ₁₆	1997 04 03.40725	13 04 14.41	-08 57 48.0		704	1997 GF ₁₇	1997 04 07.23016	13 02 09.10	-09 50 13.8		704
1997 GY ₁₆	1997 04 07.16909	13 00 54.82	-08 22 12.0	19.6 V	704	1997 GG ₁₇	* 1997 04 03.29319	13 05 44.83	-10 25 11.1	19.2 V	704
1997 GY ₁₆	1997 04 07.22828	13 00 51.50	-08 21 37.9		704	1997 GG ₁₇	1997 04 03.40773	13 05 38.98	-10 24 23.3		704
1997 GZ ₁₆	* 1997 04 03.29271	13 04 47.46	-09 02 18.5	18.4 V	704	1997 GG ₁₇	1997 04 06.16220	13 03 22.83	-10 04 54.2	19.0 V	704

1997 GG ₁₇	1997 04 06.25039	13 03 18.36	-10 04 17.3		704	1997 GS ₁₇	1997 04 03.40854	13 07 08.39	-08 04 08.9		704
1997 GG ₁₇	1997 04 07.17100	13 02 32.52	-09 57 39.2	19.1 V	704	1997 GS ₁₇	1997 04 07.15235	13 03 33.91	-07 43 06.1	19.5 V	704
1997 GG ₁₇	1997 04 07.23016	13 02 29.52	-09 57 14.0		704	1997 GS ₁₇	1997 04 07.23079	13 03 29.43	-07 42 41.1		704
1997 GH ₁₇	* 1997 04 03.29319	13 05 58.12	-10 34 30.3	19.1 V	704	1997 GT ₁₇	* 1997 04 03.29429	13 06 12.08	-06 55 36.0	18.8 V	704
1997 GH ₁₇	1997 04 03.40773	13 05 51.74	-10 33 57.6		704	1997 GT ₁₇	1997 04 03.40887	13 06 05.08	-06 55 29.2		704
1997 GH ₁₇	1997 04 05.24432	13 04 14.63	-10 24 53.0	18.9 V	704	1997 GT ₁₇	1997 04 05.24328	13 04 15.69	-06 53 37.0	18.7 V	704
1997 GH ₁₇	1997 04 05.33852	13 04 09.13	-10 24 22.4		704	1997 GT ₁₇	1997 04 05.33748	13 04 09.90	-06 53 31.2		704
1997 GH ₁₇	1997 04 07.15171	13 02 32.27	-10 15 02.8	19.2 V	704	1997 GT ₁₇	1997 04 06.16307	13 03 20.75	-06 52 40.1	18.7 V	704
1997 GH ₁₇	1997 04 07.23016	13 02 27.77	-10 14 40.1		704	1997 GT ₁₇	1997 04 06.25126	13 03 15.29	-06 52 35.2		704
1997 GJ ₁₇	* 1997 04 03.29335	13 06 09.20	-10 21 45.5	19.5 V	704	1997 GT ₁₇	1997 04 07.15251	13 02 21.33	-06 51 37.3	18.8 V	704
1997 GJ ₁₇	1997 04 03.40789	13 06 03.58	-10 21 02.3		704	1997 GT ₁₇	1997 04 07.23094	13 02 16.54	-06 51 32.5		704
1997 GJ ₁₇	1997 04 07.17100	13 03 03.01	-09 57 33.5	20.2 V	704	1997 GU ₁₇	* 1997 04 03.29429	13 06 28.21	-06 52 29.0	19.3 V	704
1997 GJ ₁₇	1997 04 07.23016	13 03 00.05	-09 57 11.4		704	1997 GU ₁₇	1997 04 03.40887	13 06 21.96	-06 51 56.9		704
1997 GK ₁₇	* 1997 04 03.29335	13 08 13.43	-10 24 55.1	18.4 V	704	1997 GU ₁₇	1997 04 07.15266	13 03 03.18	-06 33 42.4	19.9 V	704
1997 GK ₁₇	1997 04 03.40789	13 08 05.99	-10 24 19.8		704	1997 GU ₁₇	1997 04 07.21216	13 02 59.86	-06 33 24.5		704
1997 GK ₁₇	1997 04 05.24467	13 06 11.43	-10 14 35.3	18.0 V	704	1997 GV ₁₇	* 1997 04 03.29429	13 06 53.20	-07 00 25.0	17.9 V	704
1997 GK ₁₇	1997 04 05.33887	13 06 05.26	-10 14 04.1		704	1997 GV ₁₇	1997 04 03.40887	13 06 45.71	-07 00 12.0		704
1997 GL ₁₇	* 1997 04 03.29350	13 06 42.01	-10 04 25.3	17.9 V	704	1997 GV ₁₇	1997 04 05.24328	13 04 50.70	-06 57 02.9	17.2 V	704
1997 GL ₁₇	1997 04 03.40806	13 06 35.52	-10 03 55.7		704	1997 GV ₁₇	1997 04 05.36882	13 04 43.08	-06 56 52.9		704
1997 GL ₁₇	1997 04 05.24415	13 04 56.37	-09 56 08.1	17.1 V	704	1997 GV ₁₇	1997 04 07.15251	13 02 50.10	-06 53 39.5	17.9 V	704
1997 GL ₁₇	1997 04 05.33835	13 04 50.92	-09 55 43.8		704	1997 GV ₁₇	1997 04 07.21200	13 02 46.22	-06 53 33.9		704
1997 GL ₁₇	1997 04 07.15171	13 03 12.40	-09 47 46.6	17.6 V	704	1997 GW ₁₇	* 1997 04 03.29445	13 06 13.87	-06 19 53.5	20.0 V	704
1997 GL ₁₇	1997 04 07.23016	13 03 07.94	-09 47 25.7		704	1997 GW ₁₇	1997 04 03.38037	13 06 09.71	-06 19 08.0		704
1997 GM ₁₇	* 1997 04 03.29350	13 08 06.38	-09 47 38.7	17.8 V	704	1997 GW ₁₇	1997 04 07.17210	13 03 11.92	-05 45 49.8	20.3 V	704
1997 GM ₁₇	1997 04 03.40806	13 08 00.76	-09 46 54.4		704	1997 GW ₁₇	1997 04 07.23126	13 03 08.95	-05 45 19.9		704
1997 GM ₁₇	1997 04 05.24484	13 06 35.24	-09 35 10.4	17.9 V	704	1997 GX ₁₇	* 1997 04 03.29445	13 06 31.02	-06 19 58.7	19.4 V	704
1997 GM ₁₇	1997 04 05.33905	13 06 30.53	-09 34 33.6		704	1997 GX ₁₇	1997 04 03.38037	13 06 26.03	-06 19 27.7		704
1997 GM ₁₇	1997 04 11.17079	13 01 58.76	-08 56 19.6		704	1997 GX ₁₇	1997 04 07.17210	13 02 56.26	-05 58 00.3	20.4 V	704
1997 GM ₁₇	1997 04 11.22772	13 01 55.96	-08 55 56.2		704	1997 GX ₁₇	1997 04 07.23126	13 02 52.86	-05 57 42.0		704
1997 GN ₁₇	* 1997 04 03.29350	13 08 18.68	-09 46 48.1	19.4 V	704	1997 GY ₁₇	* 1997 04 03.29461	13 07 07.28	-05 32 11.6	18.2 V	704
1997 GN ₁₇	1997 04 03.40806	13 08 12.23	-09 45 50.8		704	1997 GY ₁₇	1997 04 03.40919	13 06 59.56	-05 31 57.4		704
1997 GN ₁₇	1997 04 05.24484	13 06 33.42	-09 30 16.0	18.9 V	704	1997 GY ₁₇	1997 04 05.24276	13 05 01.07	-05 28 07.2	18.8 V	704
1997 GN ₁₇	1997 04 05.33905	13 06 28.23	-09 29 25.9		704	1997 GY ₁₇	1997 04 05.33696	13 04 54.66	-05 27 55.5		704
1997 GN ₁₇	1997 04 11.17079	13 01 13.88	-08 38 56.2	19.1 V	704	1997 GY ₁₇	1997 04 07.15298	13 02 56.84	-05 24 07.2	18.7 V	704
1997 GN ₁₇	1997 04 11.22772	13 01 10.68	-08 38 26.5		704	1997 GY ₁₇	1997 04 07.23141	13 02 51.49	-05 23 57.4		704
1997 GO ₁₇	* 1997 04 03.29366	13 06 46.66	-09 10 59.6	19.4 V	704	1997 GZ ₁₇	* 1997 04 03.29477	13 06 06.88	-05 19 54.6	19.3 V	704
1997 GO ₁₇	1997 04 03.40822	13 06 40.90	-09 10 19.4		704	1997 GZ ₁₇	1997 04 03.40935	13 06 00.35	-05 19 03.7		704
1997 GO ₁₇	1997 04 07.15203	13 03 36.99	-08 47 41.7	19.3 V	704	1997 GZ ₁₇	1997 04 05.24276	13 04 19.32	-05 05 42.4	18.6 V	704
1997 GO ₁₇	1997 04 07.23047	13 03 33.03	-08 47 13.4		704	1997 GZ ₁₇	1997 04 05.33696	13 04 13.98	-05 05 02.1		704
1997 GP ₁₇	* 1997 04 03.29366	13 06 49.81	-09 12 53.6	19.9 V	704	1997 GZ ₁₇	1997 04 06.16359	13 03 28.53	-04 59 00.8	19.3 V	704
1997 GP ₁₇	1997 04 03.40822	13 06 43.68	-09 12 27.6		704	1997 GZ ₁₇	1997 04 06.25180	13 03 23.56	-04 58 23.2		704
1997 GP ₁₇	1997 04 07.17131	13 03 31.23	-08 57 44.8	19.9 V	704	1997 GZ ₁₇	1997 04 07.15313	13 02 33.81	-04 51 50.1	19.4 V	704
1997 GP ₁₇	1997 04 07.23047	13 03 28.12	-08 57 30.4		704	1997 GZ ₁₇	1997 04 07.23157	13 02 29.49	-04 51 15.9		704
1997 GQ ₁₇	* 1997 04 03.29366	13 07 07.10	-09 31 08.9	19.6 V	704	1997 GA ₁₈	* 1997 04 03.29477	13 07 01.61	-04 56 12.3	18.6 V	704
1997 GQ ₁₇	1997 04 03.40822	13 07 00.20	-09 31 09.8		704	1997 GA ₁₈	1997 04 03.40935	13 06 55.47	-04 55 20.2		704
1997 GQ ₁₇	1997 04 07.15187	13 03 21.30	-09 31 41.8	19.3 V	704	1997 GA ₁₈	1997 04 05.24259	13 05 19.65	-04 41 20.2	18.6 V	704
1997 GQ ₁₇	1997 04 07.23032	13 03 16.66	-09 31 41.9		704	1997 GA ₁₈	1997 04 05.33679	13 05 14.50	-04 40 37.4		704
1997 GR ₁₇	* 1997 04 03.29398	13 06 18.48	-08 18 57.2	19.9 V	704	1997 GB ₁₈	* 1997 04 03.29477	13 07 05.84	-05 05 32.2	20.1 V	704
1997 GR ₁₇	1997 04 03.37989	13 06 14.39	-08 18 32.5		704	1997 GB ₁₈	1997 04 03.40935	13 06 58.90	-05 04 53.0		704
1997 GR ₁₇	1997 04 07.15219	13 03 16.23	-08 00 13.9	19.4 V	704	1997 GB ₁₈	1997 04 07.15313	13 03 16.66	-04 42 36.6	19.5 V	704
1997 GR ₁₇	1997 04 07.23063	13 03 12.39	-07 59 52.1		704	1997 GB ₁₈	1997 04 07.23157	13 03 11.88	-04 42 10.2		704
1997 GS ₁₇	* 1997 04 03.29398	13 07 15.20	-08 04 46.9	19.8 V	704	1997 GC ₁₈	* 1997 04 03.29477	13 07 28.28	-05 06 07.1	18.7 V	704

1997 GC ₁₈	1997 04 03.40935	13 07 22.94	-05 05 07.2		704	1997 GN ₁₈	1997 04 07.23235	13 05 29.53	-03 27 53.5		704
1997 GC ₁₈	1997 04 05.24259	13 06 01.63	-04 48 51.2	19.2 V	704	1997 GN ₁₈	1997 04 11.17220	13 02 06.02	-03 10 50.6	19.3 V	704
1997 GC ₁₈	1997 04 05.33679	13 05 57.08	-04 48 01.0		704	1997 GN ₁₈	1997 04 11.22916	13 02 03.02	-03 10 35.9		704
1997 GC ₁₈	1997 04 07.15423	13 04 36.04	-04 31 51.7	18.7 V	704	1997 GO ₁₈	* 1997 04 03.29586	13 08 58.14	-04 15 31.8	19.5 V	704
1997 GC ₁₈	1997 04 07.23266	13 04 32.35	-04 31 10.3		704	1997 GO ₁₈	1997 04 03.41049	13 08 52.63	-04 14 21.3		704
1997 GC ₁₈	1997 04 11.17204	13 01 36.23	-03 56 35.1	18.9 V	704	1997 GO ₁₈	1997 04 07.17435	13 05 56.84	-03 35 36.4	19.6 V	704
1997 GC ₁₈	1997 04 11.22899	13 01 33.58	-03 56 05.4		704	1997 GO ₁₈	1997 04 07.23235	13 05 54.05	-03 35 01.0		704
1997 GD ₁₈	* 1997 04 03.29493	13 07 21.35	-04 42 26.3	19.4 V	704	1997 GO ₁₈	1997 04 11.17236	13 02 48.18	-02 54 40.0	19.3 V	704
1997 GD ₁₈	1997 04 03.40951	13 07 14.47	-04 41 37.7		704	1997 GO ₁₈	1997 04 11.22932	13 02 45.47	-02 54 06.4		704
1997 GD ₁₈	1997 04 05.24259	13 05 29.21	-04 28 33.3	19.3 V	704	1997 GP ₁₈	* 1997 04 03.29602	13 08 54.42	-04 51 08.5	19.9 V	704
1997 GD ₁₈	1997 04 05.33679	13 05 23.43	-04 27 52.4		704	1997 GP ₁₈	1997 04 03.41065	13 08 48.05	-04 50 19.3		704
1997 GE ₁₈	* 1997 04 03.29493	13 08 24.74	-04 32 38.2	19.6 V	704	1997 GP ₁₈	1997 04 07.15423	13 05 24.23	-04 23 27.0	19.4 V	704
1997 GE ₁₈	1997 04 03.38083	13 08 19.99	-04 32 00.2		704	1997 GP ₁₈	1997 04 07.23266	13 05 19.65	-04 22 52.9		704
1997 GE ₁₈	1997 04 07.17524	13 04 57.38	-04 04 35.4	20.5 V	704	1997 GP ₁₈	1997 04 11.17204	13 01 42.33	-03 54 43.2	19.4 V	704
1997 GE ₁₈	1997 04 07.23251	13 04 54.21	-04 04 09.9		704	1997 GP ₁₈	1997 04 11.22899	13 01 38.94	-03 54 20.4		704
1997 GF ₁₈	* 1997 04 03.29508	13 07 46.29	-03 45 38.8	19.5 V	704	1997 GQ ₁₈	* 1997 04 03.29618	13 08 45.64	-05 03 31.4	20.0 V	704
1997 GF ₁₈	1997 04 03.40968	13 07 39.18	-03 45 10.4		704	1997 GQ ₁₈	1997 04 03.41081	13 08 38.93	-05 02 46.2		704
1997 GF ₁₈	1997 04 07.17435	13 03 55.87	-03 29 51.2	19.7 V	704	1997 GQ ₁₈	1997 04 07.17554	13 05 02.80	-04 37 35.0	20.0 V	704
1997 GF ₁₈	1997 04 07.23235	13 03 52.14	-03 29 37.2		704	1997 GQ ₁₈	1997 04 07.23266	13 04 59.35	-04 37 12.6		704
1997 GG ₁₈	* 1997 04 03.29508	13 08 12.14	-04 07 25.3	19.5 V	704	1997 GR ₁₈	* 1997 04 03.29618	13 08 59.49	-05 05 35.0	18.6 V	704
1997 GG ₁₈	1997 04 03.40968	13 08 06.45	-04 07 09.5		704	1997 GR ₁₈	1997 04 03.41081	13 08 51.95	-05 05 37.0		704
1997 GG ₁₈	1997 04 07.15408	13 05 05.41	-03 58 33.9	18.9 V	704	1997 GR ₁₈	1997 04 05.24606	13 06 54.86	-05 06 25.1	18.7 V	704
1997 GG ₁₈	1997 04 07.23251	13 05 01.44	-03 58 22.6		704	1997 GR ₁₈	1997 04 05.34028	13 06 48.64	-05 06 27.9		704
1997 GG ₁₈	1997 04 11.17204	13 01 51.12	-03 49 39.2	18.9 V	704	1997 GR ₁₈	1997 04 07.15439	13 04 51.87	-05 07 15.2	18.9 V	704
1997 GG ₁₈	1997 04 11.22899	13 01 48.28	-03 49 32.1		704	1997 GR ₁₈	1997 04 07.23282	13 04 46.69	-05 07 17.3		704
1997 GH ₁₈	* 1997 04 03.29524	13 07 02.24	-03 31 33.8	19.4 V	704	1997 GS ₁₈	* 1997 04 03.29649	13 09 12.21	-06 23 42.1	19.1 V	704
1997 GH ₁₈	1997 04 03.40984	13 06 56.08	-03 30 34.2		704	1997 GS ₁₈	1997 04 03.41114	13 09 05.31	-06 23 33.4		704
1997 GH ₁₈	1997 04 05.24224	13 05 21.32	-03 14 42.6	19.0 V	704	1997 GS ₁₈	1997 04 05.24571	13 07 18.19	-06 21 12.8	19.3 V	704
1997 GH ₁₈	1997 04 05.33644	13 05 16.17	-03 13 57.1		704	1997 GS ₁₈	1997 04 05.33993	13 07 12.68	-06 21 06.0		704
1997 GH ₁₈	1997 04 07.15376	13 03 41.95	-02 58 21.8	19.0 V	704	1997 GS ₁₈	1997 04 11.17142	13 01 26.89	-06 13 28.0	19.4 V	704
1997 GH ₁₈	1997 04 07.23219	13 03 37.64	-02 57 40.8		704	1997 GS ₁₈	1997 04 11.22836	13 01 23.39	-06 13 23.5		704
1997 GJ ₁₈	* 1997 04 03.29555	13 09 31.81	-02 38 58.5	18.6 V	704	1997 GT ₁₈	* 1997 04 03.29649	13 09 13.22	-06 15 54.5	18.4 V	704
1997 GJ ₁₈	1997 04 03.41017	13 09 25.23	-02 38 59.4		704	1997 GT ₁₈	1997 04 03.41114	13 09 06.33	-06 15 07.7		704
1997 GJ ₁₈	1997 04 07.15376	13 05 53.03	-02 39 24.8	18.7 V	704	1997 GT ₁₈	1997 04 05.24588	13 07 19.21	-06 02 43.2	19.2 V	704
1997 GJ ₁₈	1997 04 07.23219	13 05 48.57	-02 39 25.7		704	1997 GT ₁₈	1997 04 05.34011	13 07 13.51	-06 02 05.1		704
1997 GJ ₁₈	1997 04 11.17236	13 02 04.36	-02 40 21.9	18.3 V	704	1997 GT ₁₈	1997 04 11.17173	13 01 31.29	-05 22 34.1	18.8 V	704
1997 GJ ₁₈	1997 04 11.22932	13 02 01.11	-02 40 22.2		704	1997 GT ₁₈	1997 04 11.22868	13 01 27.84	-05 22 12.4		704
1997 GK ₁₈	* 1997 04 03.29571	13 08 28.27	-03 36 10.9	20.0 V	704	1997 GU ₁₈	* 1997 04 03.29649	13 09 24.33	-06 18 55.1	18.5 V	704
1997 GK ₁₈	1997 04 03.41033	13 08 21.34	-03 36 01.0		704	1997 GU ₁₈	1997 04 03.41114	13 09 16.73	-06 18 32.8		704
1997 GK ₁₈	1997 04 07.17435	13 04 40.36	-03 30 03.7	19.3 V	704	1997 GU ₁₈	1997 04 05.24571	13 07 18.17	-06 12 32.2	18.4 V	704
1997 GK ₁₈	1997 04 07.23235	13 04 36.88	-03 29 58.9		704	1997 GU ₁₈	1997 04 05.33993	13 07 11.81	-06 12 12.6		704
1997 GL ₁₈	* 1997 04 03.29571	13 08 31.53	-03 30 32.5	19.5 V	704	1997 GV ₁₈	* 1997 04 03.29696	13 08 30.30	-08 28 18.3	19.2 V	704
1997 GL ₁₈	1997 04 03.41033	13 08 26.16	-03 29 19.4		704	1997 GV ₁₈	1997 04 03.41162	13 08 25.30	-08 27 41.1		704
1997 GL ₁₈	1997 04 07.17303	13 05 41.68	-02 49 41.3	19.7 V	704	1997 GV ₁₈	1997 04 05.24519	13 07 06.89	-08 17 50.9	18.7 V	704
1997 GL ₁₈	1997 04 07.23219	13 05 38.99	-02 49 05.7		704	1997 GV ₁₈	1997 04 05.33939	13 07 02.70	-08 17 22.0		704
1997 GM ₁₈	* 1997 04 03.29586	13 08 36.45	-04 08 15.2	19.0 V	704	1997 GV ₁₈	1997 04 11.17110	13 02 53.05	-07 45 50.6	19.2 V	704
1997 GM ₁₈	1997 04 03.41049	13 08 28.97	-04 07 59.3		704	1997 GV ₁₈	1997 04 11.22804	13 02 50.61	-07 45 31.8		704
1997 GM ₁₈	1997 04 07.15408	13 04 32.88	-03 59 59.5	18.8 V	704	1997 GW ₁₈	* 1997 04 03.29712	13 09 45.50	-08 41 05.1	18.7 V	704
1997 GM ₁₈	1997 04 07.23251	13 04 27.77	-03 59 49.1		704	1997 GW ₁₈	1997 04 03.41178	13 09 39.82	-08 40 14.5		704
1997 GN ₁₈	* 1997 04 03.29586	13 08 52.72	-03 45 25.2	19.9 V	704	1997 GW ₁₈	1997 04 05.24519	13 08 13.38	-08 26 49.4	19.0 V	704
1997 GN ₁₈	1997 04 03.38177	13 08 48.19	-03 45 01.3		704	1997 GW ₁₈	1997 04 05.33939	13 08 08.52	-08 26 08.2		704
1997 GN ₁₈	1997 04 07.17435	13 05 32.67	-03 28 09.4	19.9 V	704	1997 GW ₁₈	1997 04 11.17110	13 03 28.32	-07 42 20.1	19.5 V	704

1997 GW ₁₈	1997 04 11.22804	13 03 25.58	-07 41 54.2		704	1997 GG ₁₉	1997 04 03.41017	13 08 21.56	-02 58 50.8		704
1997 GX ₁₈	* 1997 04 03.29744	13 08 31.95	-10 05 41.3	19.0 V	704	1997 GG ₁₉	1997 04 07.15376	13 05 19.05	-02 41 56.5	19.2 V	704
1997 GX ₁₈	1997 04 03.41211	13 08 25.63	-10 05 02.6		704	1997 GG ₁₉	1997 04 07.23219	13 05 15.15	-02 41 35.0		704
1997 GX ₁₈	1997 04 05.24467	13 06 47.57	-09 54 38.3	18.6 V	704	1997 GH ₁₉	* 1997 04 05.22447	12 48 14.48	-08 34 52.0	18.4 V	704
1997 GX ₁₈	1997 04 05.33887	13 06 42.26	-09 54 04.9		704	1997 GH ₁₉	1997 04 05.35005	12 48 07.54	-08 34 01.2		704
1997 GX ₁₈	1997 04 11.17063	13 01 30.82	-09 20 05.8	19.0 V	704	1997 GH ₁₉	1997 04 06.14707	12 47 26.16	-08 28 32.9	18.5 V	704
1997 GX ₁₈	1997 04 11.22756	13 01 27.66	-09 19 46.5		704	1997 GH ₁₉	1997 04 06.23522	12 47 21.49	-08 27 54.9		704
1997 GY ₁₈	* 1997 04 03.30276	13 06 35.03	-11 15 25.7	19.0 V	704	1997 GJ ₁₉	* 1997 04 05.22500	12 47 36.50	-07 01 30.7	18.2 V	704
1997 GY ₁₈	1997 04 03.41746	13 06 27.73	-11 14 58.6		704	1997 GJ ₁₉	1997 04 05.31922	12 47 31.53	-07 00 53.4		704
1997 GY ₁₈	1997 04 06.16185	13 03 40.02	-11 04 21.6	19.1 V	704	1997 GJ ₁₉	1997 04 06.14741	12 46 50.42	-06 55 21.6	18.0 V	704
1997 GY ₁₈	1997 04 06.25004	13 03 34.50	-11 04 01.7		704	1997 GJ ₁₉	1997 04 06.23557	12 46 46.06	-06 54 42.6		704
1997 GY ₁₈	1997 04 07.15140	13 02 39.21	-11 00 23.3	18.9 V	704	1997 GK ₁₉	* 1997 04 05.22535	12 47 59.58	-05 34 30.8	18.9 V	704
1997 GY ₁₈	1997 04 07.22985	13 02 34.23	-11 00 03.8		704	1997 GK ₁₉	1997 04 05.35091	12 47 54.72	-05 33 34.1		704
1997 GZ ₁₈	* 1997 04 03.30276	13 06 36.02	-11 05 48.7	18.1 V	704	1997 GK ₁₉	1997 04 06.14793	12 47 24.65	-05 27 40.9	19.1 V	704
1997 GZ ₁₈	1997 04 03.41746	13 06 28.33	-11 05 23.5		704	1997 GK ₁₉	1997 04 06.21483	12 47 22.06	-05 27 12.4		704
1997 GZ ₁₈	1997 04 07.15156	13 02 22.37	-10 50 49.8	17.5 V	704	1997 GK ₁₉	1997 04 07.13888	12 46 47.14	-05 20 21.2	19.6 V	704
1997 GZ ₁₈	1997 04 07.23001	13 02 16.93	-10 50 30.3		704	1997 GK ₁₉	1997 04 07.21732	12 46 44.15	-05 19 47.0		704
1997 GA ₁₉	* 1997 04 03.30292	13 03 52.76	-11 09 16.2	18.9 V	704	1997 GL ₁₉	* 1997 04 05.22570	12 48 57.88	-04 22 49.3	18.7 V	704
1997 GA ₁₉	1997 04 03.41762	13 03 45.96	-11 08 49.4		704	1997 GL ₁₉	1997 04 05.35126	12 48 51.59	-04 21 58.6		704
1997 GA ₁₉	1997 04 05.23943	13 02 00.52	-11 01 27.4	18.8 V	704	1997 GL ₁₉	1997 04 06.14828	12 48 13.91	-04 16 34.8	19.2 V	704
1997 GA ₁₉	1997 04 05.33364	13 01 54.97	-11 01 04.6		704	1997 GL ₁₉	1997 04 06.21517	12 48 10.56	-04 16 06.1		704
1997 GB ₁₉	* 1997 04 03.30292	13 04 03.61	-11 16 33.8	17.8 V	704	1997 GL ₁₉	1997 04 07.13919	12 47 26.72	-04 09 52.0	19.0 V	704
1997 GB ₁₉	1997 04 03.41762	13 03 57.41	-11 15 28.4		704	1997 GL ₁₉	1997 04 07.21763	12 47 23.00	-04 09 19.1		704
1997 GB ₁₉	1997 04 05.23943	13 02 23.43	-10 58 04.9	17.1 V	704	1997 GM ₁₉	* 1997 04 05.22674	12 49 53.58	-04 15 09.1	18.8 V	704
1997 GB ₁₉	1997 04 05.33364	13 02 18.28	-10 57 10.3		704	1997 GM ₁₉	1997 04 05.35230	12 49 46.65	-04 14 09.4		704
1997 GB ₁₉	1997 04 06.16202	13 01 35.46	-10 49 06.9	17.5 V	704	1997 GM ₁₉	1997 04 06.14828	12 49 04.48	-04 07 57.8	18.8 V	704
1997 GB ₁₉	1997 04 06.25022	13 01 30.60	-10 48 15.9		704	1997 GM ₁₉	1997 04 06.21517	12 49 00.89	-04 07 26.9		704
1997 GB ₁₉	1997 04 07.15045	13 00 43.77	-10 39 25.3	17.4 V	704	1997 GM ₁₉	1997 04 07.13919	12 48 11.73	-04 00 15.9	18.8 V	704
1997 GB ₁₉	1997 04 07.22890	13 00 39.48	-10 38 39.6		704	1997 GM ₁₉	1997 04 07.21763	12 48 07.39	-03 59 39.5		704
1997 GC ₁₉	* 1997 04 03.30292	13 05 22.15	-11 24 41.3	19.3 V	704	1997 GN ₁₉	* 1997 04 05.22778	12 50 12.18	-07 36 03.8	18.6 V	704
1997 GC ₁₉	1997 04 03.41762	13 05 14.91	-11 24 22.4		704	1997 GN ₁₉	1997 04 05.35335	12 50 07.31	-07 34 57.7		704
1997 GC ₁₉	1997 04 05.23943	13 03 24.45	-11 18 59.3	19.3 V	704	1997 GN ₁₉	1997 04 07.13823	12 48 57.76	-07 19 22.0	19.6 V	704
1997 GC ₁₉	1997 04 05.33364	13 03 18.39	-11 18 41.2		704	1997 GN ₁₉	1997 04 07.21670	12 48 54.61	-07 18 42.0		704
1997 GC ₁₉	1997 04 06.16185	13 02 28.00	-11 16 08.5	18.8 V	704	1997 GO ₁₉	* 1997 04 05.22796	12 50 29.85	-07 57 36.4	18.5 V	704
1997 GC ₁₉	1997 04 06.25004	13 02 22.47	-11 15 51.1		704	1997 GO ₁₉	1997 04 05.35352	12 50 22.53	-07 56 54.9		704
1997 GC ₁₉	1997 04 07.15140	13 01 27.31	-11 13 01.9	19.3 V	704	1997 GO ₁₉	1997 04 06.15019	12 49 38.63	-07 52 28.9	19.2 V	704
1997 GC ₁₉	1997 04 07.22985	13 01 22.25	-11 12 45.1		704	1997 GO ₁₉	1997 04 06.23837	12 49 33.54	-07 51 57.6		704
1997 GD ₁₉	* 1997 04 03.30292	13 05 45.37	-11 03 29.3	19.2 V	704	1997 GO ₁₉	1997 04 07.13823	12 48 43.86	-07 46 55.9	18.8 V	704
1997 GD ₁₉	1997 04 03.41762	13 05 37.70	-11 02 58.6		704	1997 GO ₁₉	1997 04 07.21670	12 48 39.40	-07 46 30.5		704
1997 GD ₁₉	1997 04 07.15156	13 01 32.02	-10 45 52.0	19.2 V	704	1997 GP ₁₉	* 1997 04 05.23125	12 54 59.67	-02 56 50.9	18.9 V	704
1997 GD ₁₉	1997 04 07.23001	13 01 26.64	-10 45 29.6		704	1997 GP ₁₉	1997 04 05.35682	12 54 51.91	-02 56 15.5		704
1997 GE ₁₉	* 1997 04 03.30292	13 05 51.39	-11 23 33.9	19.8 V	704	1997 GP ₁₉	1997 04 07.14388	12 53 06.97	-02 48 25.9	19.6 V	704
1997 GE ₁₉	1997 04 03.41762	13 05 44.57	-11 23 08.7		704	1997 GP ₁₉	1997 04 07.22232	12 53 02.15	-02 48 06.4		704
1997 GE ₁₉	1997 04 07.15140	13 02 03.95	-11 08 17.9	19.1 V	704	1997 GQ ₁₉	* 1997 04 05.23265	12 56 06.06	-07 25 03.3	18.9 V	704
1997 GE ₁₉	1997 04 07.22985	13 01 59.16	-11 07 58.3		704	1997 GQ ₁₉	1997 04 05.35821	12 55 58.21	-07 24 05.0		704
1997 GF ₁₉	* 1997 04 03.30983	12 55 03.67	-02 55 27.6	19.7 V	704	1997 GQ ₁₉	1997 04 07.16396	12 54 11.20	-07 09 07.2	19.7 V	704
1997 GF ₁₉	1997 04 03.39567	12 55 00.09	-02 54 45.4		704	1997 GQ ₁₉	1997 04 07.22357	12 54 07.49	-07 08 36.3		704
1997 GF ₁₉	1997 04 05.23108	12 53 46.43	-02 39 58.7	19.4 V	704	1997 GR ₁₉	* 1997 04 05.23369	12 57 20.53	-10 22 50.2	19.0 V	704
1997 GF ₁₉	1997 04 05.35664	12 53 41.18	-02 38 58.7		704	1997 GR ₁₉	1997 04 05.35925	12 57 13.42	-10 21 47.4		704
1997 GF ₁₉	1997 04 06.15349	12 53 09.26	-02 32 33.7	19.7 V	704	1997 GR ₁₉	1997 04 07.14592	12 55 38.23	-10 06 46.3	18.8 V	704
1997 GF ₁₉	1997 04 06.24169	12 53 05.69	-02 31 50.9		704	1997 GR ₁₉	1997 04 07.22436	12 55 33.95	-10 06 07.4		704
1997 GG ₁₉	* 1997 04 03.32420	13 08 25.85	-02 59 15.0	20.1 V	704	1997 GS ₁₉	* 1997 04 05.23387	12 56 34.77	-10 03 48.8	19.1 V	704

1997 GS ₁₉	1997 04 05.35943	12 56 27.03	-10 02 52.2		704	1997 GC ₂₀	1997 04 07.23266	13 03 44.29	-04 37 31.2		704
1997 GS ₁₉	1997 04 07.14592	12 54 40.03	-09 49 23.9	18.4 V	704	1997 GD ₂₀	* 1997 04 05.24276	13 04 38.78	-05 25 58.4	19.1 V	704
1997 GS ₁₉	1997 04 07.22436	12 54 35.17	-09 48 48.2		704	1997 GD ₂₀	1997 04 05.33696	13 04 34.49	-05 25 32.6		704
1997 GT ₁₉	* 1997 04 05.23387	12 56 51.25	-09 57 29.7	18.4 V	704	1997 GD ₂₀	1997 04 07.15298	13 03 15.10	-05 17 21.8	19.3 V	704
1997 GT ₁₉	1997 04 05.35943	12 56 44.16	-09 56 53.2		704	1997 GD ₂₀	1997 04 07.23141	13 03 11.61	-05 17 01.3		704
1997 GT ₁₉	1997 04 06.15575	12 56 01.79	-09 52 59.4	17.4 V	704	1997 GE ₂₀	* 1997 04 05.24606	13 06 09.19	-05 19 26.2	18.6 V	704
1997 GT ₁₉	1997 04 06.22280	12 55 58.02	-09 52 39.5		704	1997 GE ₂₀	1997 04 05.34028	13 06 04.78	-05 18 54.4		704
1997 GT ₁₉	1997 04 07.14592	12 55 08.43	-09 48 03.7	18.5 V	704	1997 GE ₂₀	1997 04 07.15439	13 04 40.89	-05 09 04.3	18.5 V	704
1997 GT ₁₉	1997 04 07.22436	12 55 04.06	-09 47 39.3		704	1997 GE ₂₀	1997 04 07.23282	13 04 37.12	-05 08 38.3		704
1997 GU ₁₉	* 1997 04 05.23404	12 57 28.82	-09 33 15.5	18.7 V	704	1997 GE ₂₀	1997 04 11.17189	13 01 35.46	-04 47 26.1	18.8 V	704
1997 GU ₁₉	1997 04 05.35960	12 57 21.99	-09 32 05.9		704	1997 GE ₂₀	1997 04 11.22884	13 01 32.78	-04 47 07.7		704
1997 GU ₁₉	1997 04 07.14576	12 55 49.77	-09 15 36.9	18.9 V	704	1997 GF ₂₀	* 1997 04 05.24606	13 06 47.82	-05 18 30.3	18.9 V	704
1997 GU ₁₉	1997 04 07.22420	12 55 45.48	-09 14 53.8		704	1997 GF ₂₀	1997 04 05.34028	13 06 42.02	-05 17 50.3		704
1997 GV ₁₉	* 1997 04 05.23456	12 58 18.71	-07 31 05.3	18.4 V	704	1997 GF ₂₀	1997 04 07.15439	13 05 08.00	-05 07 39.8	19.0 V	704
1997 GV ₁₉	1997 04 05.36012	12 58 12.79	-07 29 34.7		704	1997 GF ₂₀	1997 04 07.23282	13 05 03.47	-05 07 14.9		704
1997 GV ₁₉	1997 04 06.15698	12 57 37.61	-07 19 54.0	19.2 V	704	1997 GG ₂₀	* 1997 04 05.25875	12 49 26.29	-06 37 01.8	19.3 V	704
1997 GV ₁₉	1997 04 06.24517	12 57 33.71	-07 18 51.7		704	1997 GG ₂₀	1997 04 05.35300	12 49 20.63	-06 36 43.6		704
1997 GV ₁₉	1997 04 07.14717	12 56 53.79	-07 07 55.5	18.8 V	704	1997 GG ₂₀	1997 04 07.13857	12 47 39.72	-06 31 22.2	19.2 V	704
1997 GV ₁₉	1997 04 07.22561	12 56 50.21	-07 06 58.1		704	1997 GG ₂₀	1997 04 07.21701	12 47 35.25	-06 31 08.1		704
1997 GW ₁₉	* 1997 04 05.23491	12 56 40.09	-06 28 13.4	19.0 V	704	1997 GH ₂₀	* 1997 04 05.26152	12 52 04.48	-05 55 21.2	18.7 V	704
1997 GW ₁₉	1997 04 05.36047	12 56 33.14	-06 27 19.7		704	1997 GH ₂₀	1997 04 05.35578	12 51 59.45	-05 54 24.3		704
1997 GW ₁₉	1997 04 06.15471	12 55 52.15	-06 21 48.5	19.2 V	704	1997 GH ₂₀	1997 04 06.14967	12 51 19.43	-05 46 24.7	18.6 V	704
1997 GW ₁₉	1997 04 06.22176	12 55 48.55	-06 21 21.9		704	1997 GH ₂₀	1997 04 06.23785	12 51 14.64	-05 45 32.4		704
1997 GW ₁₉	1997 04 07.14498	12 55 00.59	-06 14 55.8	19.0 V	704	1997 GH ₂₀	1997 04 07.14044	12 50 28.77	-05 36 27.7	18.8 V	704
1997 GW ₁₉	1997 04 07.22342	12 54 56.34	-06 14 22.7		704	1997 GH ₂₀	1997 04 07.21888	12 50 24.67	-05 35 39.6		704
1997 GX ₁₉	* 1997 04 05.23821	13 00 41.33	-09 58 36.6	19.2 V	704	1997 GJ ₂₀	* 1997 04 05.26344	12 54 29.82	-05 57 24.6	19.7 V	704
1997 GX ₁₉	1997 04 05.36377	13 00 35.51	-09 57 40.8		704	1997 GJ ₂₀	1997 04 05.35769	12 54 24.42	-05 56 57.6		704
1997 GX ₁₉	1997 04 06.16062	13 00 01.30	-09 51 59.6	19.1 V	704	1997 GJ ₂₀	1997 04 07.14310	12 52 45.69	-05 48 36.6	19.4 V	704
1997 GX ₁₉	1997 04 06.22767	12 59 58.42	-09 51 29.9		704	1997 GJ ₂₀	1997 04 07.22154	12 52 41.12	-05 48 14.6		704
1997 GX ₁₉	1997 04 07.16956	12 59 17.82	-09 44 41.2	19.7 V	704	1997 GK ₂₀	* 1997 04 05.26587	12 57 19.91	-08 19 58.7	19.2 V	704
1997 GX ₁₉	1997 04 07.22875	12 59 15.13	-09 44 15.2		704	1997 GK ₂₀	1997 04 05.35995	12 57 15.07	-08 19 13.7		704
1997 GY ₁₉	* 1997 04 05.23943	13 01 47.77	-11 26 16.9	19.1 V	704	1997 GK ₂₀	1997 04 07.16427	12 55 44.56	-08 04 56.8	19.5 V	704
1997 GY ₁₉	1997 04 05.36500	13 01 41.46	-11 25 18.6		704	1997 GK ₂₀	1997 04 07.22389	12 55 41.49	-08 04 29.1		704
1997 GY ₁₉	1997 04 07.15061	13 00 18.37	-11 10 54.3	19.0 V	704	1997 GL ₂₀	1997 04 03.28515	12 58 47.35	-04 51 06.3	20.3 V	704
1997 GY ₁₉	1997 04 07.22906	13 00 14.60	-11 10 15.2		704	1997 GL ₂₀	1997 04 03.39947	12 58 39.84	-04 50 48.6		704
1997 GZ ₁₉	* 1997 04 05.24085	13 01 20.50	-06 19 58.2	17.2 V	704	1997 GL ₂₀	* 1997 04 05.26691	12 56 41.50	-04 45 08.0	19.2 V	704
1997 GZ ₁₉	1997 04 05.33505	13 01 14.06	-06 19 40.0		704	1997 GL ₂₀	1997 04 05.36099	12 56 35.28	-04 44 50.1		704
1997 GZ ₁₉	1997 04 06.15958	13 00 20.23	-06 17 09.8	17.3 V	704	1997 GL ₂₀	1997 04 06.15419	12 55 45.09	-04 42 27.7	19.2 V	704
1997 GZ ₁₉	1997 04 06.24778	13 00 14.18	-06 16 53.0		704	1997 GL ₂₀	1997 04 06.22124	12 55 40.70	-04 42 16.6		704
1997 GZ ₁₉	1997 04 07.14936	12 59 14.94	-06 14 06.8	17.9 V	704	1997 GL ₂₀	1997 04 07.16333	12 54 40.46	-04 39 25.6	18.9 V	704
1997 GZ ₁₉	1997 04 07.22781	12 59 09.53	-06 13 51.1		704	1997 GL ₂₀	1997 04 07.22295	12 54 36.54	-04 39 15.1		704
1997 GA ₂₀	* 1997 04 05.24189	13 02 39.86	-02 36 33.2	18.3 V	704	1997 GM ₂₀	* 1997 04 05.26691	12 57 56.75	-04 49 25.4	19.1 V	704
1997 GA ₂₀	1997 04 05.33609	13 02 33.99	-02 36 13.1		704	1997 GM ₂₀	1997 04 05.36099	12 57 52.34	-04 48 56.5		704
1997 GA ₂₀	1997 04 07.14842	13 00 43.28	-02 29 48.4	18.6 V	704	1997 GM ₂₀	1997 04 07.16662	12 56 31.26	-04 39 33.6	19.6 V	704
1997 GA ₂₀	1997 04 07.22687	13 00 38.39	-02 29 32.6		704	1997 GM ₂₀	1997 04 07.22624	12 56 28.46	-04 39 14.7		704
1997 GB ₂₀	* 1997 04 05.24259	13 04 14.33	-04 25 36.7	18.4 V	704	1997 GN ₂₀	* 1997 04 05.26726	12 57 41.58	-03 30 56.3	19.6 V	704
1997 GB ₂₀	1997 04 05.33679	13 04 08.96	-04 25 10.8		704	1997 GN ₂₀	1997 04 05.36134	12 57 35.62	-03 30 36.2		704
1997 GB ₂₀	1997 04 06.16377	13 03 23.84	-04 21 29.6	18.6 V	704	1997 GN ₂₀	1997 04 06.18086	12 56 45.66	-03 27 40.3	19.8 V	704
1997 GB ₂₀	1997 04 06.25198	13 03 18.80	-04 21 06.6		704	1997 GN ₂₀	1997 04 06.24639	12 56 41.45	-03 27 27.2		704
1997 GC ₂₀	* 1997 04 05.24259	13 05 41.78	-04 46 03.0	18.9 V	704	1997 GN ₂₀	1997 04 07.14420	12 55 46.60	-03 24 17.8	19.6 V	704
1997 GC ₂₀	1997 04 05.33679	13 05 35.95	-04 45 39.6		704	1997 GN ₂₀	1997 04 07.22264	12 55 41.76	-03 24 00.3		704
1997 GC ₂₀	1997 04 07.15423	13 03 48.96	-04 37 51.5	19.4 V	704	1997 GO ₂₀	* 1997 04 05.26726	12 57 53.79	-03 33 42.3	19.7 V	704

1997 GO ₂₀	1997 04 05.36134	12 57 48.45	-03 33 25.4		704	1997 GB ₂₁	1997 04 07.21795	12 48 29.26	-02 56 31.4		704
1997 GO ₂₀	1997 04 06.18086	12 57 03.81	-03 30 43.1	19.3 V	704	1997 GC ₂₁	* 1997 04 06.17156	12 51 26.01	-07 01 14.7	19.7 V	704
1997 GO ₂₀	1997 04 06.24639	12 57 00.09	-03 30 30.7		704	1997 GC ₂₁	1997 04 06.23819	12 51 22.36	-07 01 02.3		704
1997 GO ₂₀	1997 04 07.16302	12 56 09.95	-03 27 32.5	19.9 V	704	1997 GC ₂₁	1997 04 07.15959	12 50 32.91	-06 57 57.2	19.6 V	704
1997 GO ₂₀	1997 04 07.22264	12 56 06.51	-03 27 20.4		704	1997 GC ₂₁	1997 04 07.21920	12 50 29.61	-06 57 45.3		704
1997 GP ₂₀	* 1997 04 06.14759	12 48 41.58	-06 34 06.9	19.0 V	704	1997 GD ₂₁	* 1997 04 06.18311	12 59 45.99	-08 37 15.9	19.7 V	704
1997 GP ₂₀	1997 04 06.21448	12 48 37.40	-06 33 59.4		704	1997 GD ₂₁	1997 04 06.24847	12 59 42.20	-08 36 57.4		704
1997 GP ₂₀	1997 04 07.15739	12 47 41.48	-06 32 02.0	19.3 V	704	1997 GD ₂₁	1997 04 07.16552	12 58 50.03	-08 32 48.5	19.4 V	704
1997 GP ₂₀	1997 04 07.21701	12 47 37.83	-06 31 55.2		704	1997 GD ₂₁	1997 04 07.22514	12 58 46.53	-08 32 34.0		704
1997 GQ ₂₀	* 1997 04 06.14811	12 48 36.96	-04 34 45.2	18.7 V	704	1997 GE ₂₁	* 1997 04 06.18754	13 01 41.15	-07 10 37.3	19.3 V	704
1997 GQ ₂₀	1997 04 06.21500	12 48 32.92	-04 34 27.6		704	1997 GE ₂₁	1997 04 06.25126	13 01 38.44	-07 10 06.8		704
1997 GQ ₂₀	1997 04 07.13903	12 47 38.62	-04 30 31.3	19.1 V	704	1997 GE ₂₁	1997 04 07.14951	13 01 01.56	-07 02 47.7	19.2 V	704
1997 GQ ₂₀	1997 04 07.21748	12 47 33.98	-04 30 10.3		704	1997 GE ₂₁	1997 04 07.22796	13 00 58.31	-07 02 10.6		704
1997 GR ₂₀	* 1997 04 06.14950	12 50 22.53	-04 54 17.9	19.4 V	704	1997 GF ₂₁	* 1997 04 06.31229	14 49 03.12	-17 21 24.8	19.4 V	704
1997 GR ₂₀	1997 04 06.21639	12 50 18.77	-04 53 55.8		704	1997 GF ₂₁	1997 04 06.40673	14 48 58.39	-17 21 22.5		704
1997 GR ₂₀	1997 04 07.15896	12 49 27.58	-04 48 57.5	19.6 V	704	1997 GF ₂₁	1997 04 08.34786	14 47 22.28	-17 19 53.7		704
1997 GR ₂₀	1997 04 07.21857	12 49 24.15	-04 48 38.5		704	1997 GF ₂₁	1997 04 08.42324	14 47 18.31	-17 19 49.7		704
1997 GS ₂₀	* 1997 04 06.14984	12 49 53.86	-06 21 15.3	18.3 V	704	1997 GG ₂₁	1997 04 02.41133	14 49 17.26	-16 08 28.4	19.5 V	704
1997 GS ₂₀	1997 04 06.23802	12 49 48.29	-06 20 47.5		704	1997 GG ₂₁	1997 04 02.45305	14 49 16.05	-16 08 28.6		704
1997 GS ₂₀	1997 04 07.13857	12 48 53.35	-06 15 58.8	18.6 V	704	1997 GG ₂₁	* 1997 04 06.31261	14 47 29.78	-16 08 50.5	18.6 V	704
1997 GS ₂₀	1997 04 07.21701	12 48 48.39	-06 15 33.8		704	1997 GG ₂₁	1997 04 06.40704	14 47 26.58	-16 08 50.0		704
1997 GT ₂₀	* 1997 04 06.15123	12 52 26.33	-10 21 01.8	17.0 V	704	1997 GG ₂₁	1997 04 07.29006	14 46 58.25	-16 08 39.5	18.7 V	704
1997 GT ₂₀	1997 04 06.23941	12 52 20.14	-10 21 15.3		704	1997 GG ₂₁	1997 04 07.39517	14 46 54.40	-16 08 37.0		704
1997 GT ₂₀	1997 04 07.14169	12 51 19.88	-10 23 19.6	17.9 V	704	1997 GH ₂₁	* 1997 04 06.31511	14 49 21.72	-14 18 26.3	19.9 V	704
1997 GT ₂₀	1997 04 07.22014	12 51 14.46	-10 23 30.1		704	1997 GH ₂₁	1997 04 06.38587	14 49 18.94	-14 18 26.4		704
1997 GU ₂₀	* 1997 04 06.15175	12 52 01.68	-08 53 28.9	18.1 V	704	1997 GH ₂₁	1997 04 08.34878	14 48 04.05	-14 18 11.4		704
1997 GU ₂₀	1997 04 06.21881	12 51 58.14	-08 52 58.4		704	1997 GH ₂₁	1997 04 08.42403	14 48 00.89	-14 18 11.8		704
1997 GU ₂₀	1997 04 07.14122	12 51 11.31	-08 45 50.4	17.7 V	704	1997 GJ ₂₁	* 1997 04 06.31511	14 50 10.34	-14 37 29.4	19.9 V	704
1997 GU ₂₀	1997 04 07.21967	12 51 07.16	-08 45 14.4		704	1997 GJ ₂₁	1997 04 06.40955	14 50 07.61	-14 36 33.1		704
1997 GV ₂₀	* 1997 04 06.15175	12 52 03.72	-08 56 35.1	18.1 V	704	1997 GJ ₂₁	1997 04 07.29285	14 49 43.82	-14 27 42.5	19.6 V	704
1997 GV ₂₀	1997 04 06.21881	12 52 00.19	-08 56 07.4		704	1997 GJ ₂₁	1997 04 07.37185	14 49 41.59	-14 26 59.3		704
1997 GV ₂₀	1997 04 07.14122	12 51 13.97	-08 49 46.7	17.7 V	704	1997 GK ₂₁	* 1997 04 06.31527	14 51 03.30	-14 50 17.9	20.1 V	704
1997 GV ₂₀	1997 04 07.21967	12 51 09.86	-08 49 14.9		704	1997 GK ₂₁	1997 04 06.40971	14 51 00.74	-14 49 53.7		704
1997 GW ₂₀	* 1997 04 06.15175	12 53 51.17	-08 44 34.0	17.9 V	704	1997 GK ₂₁	1997 04 08.35097	14 50 08.44	-14 41 11.2		704
1997 GW ₂₀	1997 04 06.21881	12 53 47.57	-08 44 22.1		704	1997 GK ₂₁	1997 04 08.42606	14 50 06.05	-14 40 50.0		704
1997 GW ₂₀	1997 04 07.14232	12 52 57.87	-08 41 34.3	17.9 V	704	1997 GL ₂₁	* 1997 04 06.31589	14 49 33.16	-17 38 42.6	19.2 V	704
1997 GW ₂₀	1997 04 07.22076	12 52 53.59	-08 41 20.8		704	1997 GL ₂₁	1997 04 06.41033	14 49 29.59	-17 38 31.2		704
1997 GX ₂₀	* 1997 04 06.15210	12 53 10.45	-07 42 34.3	19.0 V	704	1997 GL ₂₁	1997 04 08.34786	14 48 18.54	-17 34 28.6		704
1997 GX ₂₀	1997 04 06.21915	12 53 06.28	-07 42 03.1		704	1997 GL ₂₁	1997 04 08.42324	14 48 15.56	-17 34 18.5		704
1997 GX ₂₀	1997 04 07.14263	12 52 11.66	-07 34 57.1	18.8 V	704	1997 GM ₂₁	* 1997 04 06.31589	14 51 04.02	-17 31 18.3	19.7 V	704
1997 GX ₂₀	1997 04 07.22107	12 52 06.90	-07 34 20.6		704	1997 GM ₂₁	1997 04 06.41033	14 51 00.87	-17 31 09.5		704
1997 GZ ₂₀	* 1997 04 06.16167	12 51 12.48	-11 30 30.1	18.5 V	704	1997 GM ₂₁	1997 04 08.35175	14 49 57.41	-17 27 53.6		704
1997 GZ ₂₀	1997 04 06.24986	12 51 08.60	-11 29 33.0		704	1997 GM ₂₁	1997 04 08.42685	14 49 54.68	-17 27 45.0		704
1997 GZ ₂₀	1997 04 07.15123	12 50 30.71	-11 19 32.8	18.4 V	704	1997 GN ₂₁	* 1997 04 06.31605	14 50 57.44	-17 50 03.4	19.1 V	704
1997 GZ ₂₀	1997 04 07.22968	12 50 27.23	-11 18 40.8		704	1997 GN ₂₁	1997 04 06.41049	14 50 54.04	-17 50 14.1		704
1997 GA ₂₁	* 1997 04 06.16167	12 51 15.20	-11 22 25.0	18.9 V	704	1997 GN ₂₁	1997 04 08.35191	14 49 46.73	-17 53 34.8		704
1997 GA ₂₁	1997 04 06.24986	12 51 09.59	-11 21 59.6		704	1997 GN ₂₁	1997 04 08.42701	14 49 43.68	-17 53 41.4		704
1997 GA ₂₁	1997 04 07.15123	12 50 13.76	-11 17 06.2	18.7 V	704	1997 GO ₂₁	* 1997 04 06.31621	14 49 30.62	-18 42 43.4	18.9 V	704
1997 GA ₂₁	1997 04 07.22968	12 50 08.79	-11 16 40.3		704	1997 GO ₂₁	1997 04 06.41066	14 49 26.48	-18 42 51.2		704
1997 GB ₂₁	* 1997 04 06.17035	12 49 22.41	-03 05 48.2	19.6 V	704	1997 GO ₂₁	1997 04 08.34754	14 48 03.58	-18 45 43.4		704
1997 GB ₂₁	1997 04 06.23715	12 49 18.85	-03 05 13.2		704	1997 GO ₂₁	1997 04 08.42293	14 48 00.07	-18 45 49.0		704
1997 GB ₂₁	1997 04 07.13950	12 48 33.31	-02 57 13.1	19.2 V	704	1997 GP ₂₁	* 1997 04 06.31621	14 50 49.88	-18 36 53.0	20.0 V	704

1997 GP ₂₁	1997 04 06.41066	14 50 46.65	-18 36 08.6		704	1997 GB ₂₂	1997 04 06.41381	14 55 59.16	-13 33 01.4		704
1997 GP ₂₁	1997 04 08.35206	14 49 44.40	-18 20 06.6		704	1997 GB ₂₂	1997 04 08.35505	14 54 49.80	-13 28 20.8		704
1997 GP ₂₁	1997 04 08.42717	14 49 41.67	-18 19 28.7		704	1997 GB ₂₂	1997 04 08.43016	14 54 46.79	-13 28 09.2		704
1997 GQ ₂₁	* 1997 04 06.31714	14 51 43.90	-15 31 15.5	19.6 V	704	1997 GC ₂₂	* 1997 04 06.31950	14 55 04.10	-14 17 40.3	19.9 V	704
1997 GQ ₂₁	1997 04 06.41161	14 51 40.85	-15 30 54.4		704	1997 GC ₂₂	1997 04 06.41397	14 55 00.85	-14 17 21.4		704
1997 GQ ₂₁	1997 04 08.35128	14 50 39.19	-15 23 07.9		704	1997 GC ₂₂	1997 04 08.35332	14 53 52.02	-14 10 49.1		704
1997 GQ ₂₁	1997 04 08.42638	14 50 36.58	-15 22 48.3		704	1997 GC ₂₂	1997 04 08.42843	14 53 49.23	-14 10 34.3		704
1997 GR ₂₁	1997 04 02.41636	14 53 39.03	-15 35 27.0	19.4 V	704	1997 GD ₂₂	* 1997 04 06.31950	14 55 38.09	-14 34 40.7	20.1 V	704
1997 GR ₂₁	1997 04 02.45803	14 53 38.06	-15 35 08.9		704	1997 GD ₂₂	1997 04 06.41397	14 55 34.50	-14 34 33.5		704
1997 GR ₂₁	* 1997 04 06.31730	14 52 03.29	-15 06 30.2	19.2 V	704	1997 GD ₂₂	1997 04 08.35536	14 54 22.12	-14 31 52.7		704
1997 GR ₂₁	1997 04 06.41177	14 52 00.50	-15 05 46.1		704	1997 GD ₂₂	1997 04 08.43047	14 54 19.00	-14 31 45.4		704
1997 GR ₂₁	1997 04 07.29302	14 51 35.92	-14 58 52.9	19.0 V	704	1997 GE ₂₂	* 1997 04 06.31981	14 55 04.64	-15 42 41.5	18.3 V	704
1997 GR ₂₁	1997 04 07.39828	14 51 32.58	-14 58 02.9		704	1997 GE ₂₂	1997 04 06.41428	14 55 01.53	-15 42 53.2		704
1997 GR ₂₁	1997 04 08.35112	14 51 04.42	-14 50 26.6		704	1997 GE ₂₂	1997 04 08.35300	14 53 58.56	-15 46 30.3	18.2 V	704
1997 GR ₂₁	1997 04 08.42622	14 51 01.96	-14 49 50.6		704	1997 GE ₂₂	1997 04 08.42811	14 53 55.71	-15 46 38.7		704
1997 GS ₂₁	* 1997 04 06.31745	14 52 32.31	-14 20 48.8	18.9 V	704	1997 GF ₂₂	* 1997 04 06.31997	14 55 25.53	-16 18 16.9	19.6 V	704
1997 GS ₂₁	1997 04 06.38822	14 52 29.21	-14 20 45.4		704	1997 GF ₂₂	1997 04 06.41443	14 55 24.25	-16 18 33.6		704
1997 GS ₂₁	1997 04 08.35097	14 51 05.41	-14 19 29.4		704	1997 GF ₂₂	1997 04 08.35583	14 55 02.81	-16 24 09.1		704
1997 GS ₂₁	1997 04 08.42606	14 51 01.93	-14 19 26.5		704	1997 GF ₂₂	1997 04 08.43094	14 55 01.38	-16 24 21.1		704
1997 GT ₂₁	* 1997 04 06.31761	14 54 03.60	-13 37 11.7	20.1 V	704	1997 GG ₂₂	* 1997 04 06.32012	14 54 56.79	-16 53 06.0	19.7 V	704
1997 GT ₂₁	1997 04 06.38837	14 54 01.15	-13 37 00.6		704	1997 GG ₂₂	1997 04 06.41459	14 54 54.00	-16 52 31.3		704
1997 GT ₂₁	1997 04 08.35363	14 52 52.64	-13 31 28.2		704	1997 GG ₂₂	1997 04 08.35269	14 53 57.96	-16 40 21.9		704
1997 GT ₂₁	1997 04 08.42874	14 52 49.81	-13 31 17.0		704	1997 GG ₂₂	1997 04 08.42780	14 53 55.48	-16 39 54.1		704
1997 GU ₂₁	* 1997 04 06.31856	14 55 22.37	-10 44 04.1	18.6 V	704	1997 GH ₂₂	* 1997 04 06.32012	14 55 54.89	-16 54 42.4	19.0 V	704
1997 GU ₂₁	1997 04 06.41303	14 55 19.23	-10 43 30.5		704	1997 GH ₂₂	1997 04 06.41459	14 55 50.78	-16 54 45.4		704
1997 GU ₂₁	1997 04 08.35442	14 54 15.46	-10 31 31.7	18.5 V	704	1997 GH ₂₂	1997 04 07.29857	14 55 12.95	-16 55 06.7	18.2 V	704
1997 GU ₂₁	1997 04 08.42953	14 54 12.72	-10 31 02.4		704	1997 GH ₂₂	1997 04 07.37741	14 55 09.45	-16 55 10.8		704
1997 GV ₂₁	* 1997 04 06.31872	14 56 01.28	-11 12 25.7	18.3 V	704	1997 GH ₂₂	1997 04 08.35598	14 54 25.80	-16 55 29.4		704
1997 GV ₂₁	1997 04 06.41318	14 55 56.99	-11 12 18.6		704	1997 GH ₂₂	1997 04 08.43109	14 54 22.25	-16 55 30.6		704
1997 GV ₂₁	1997 04 08.35458	14 54 30.03	-11 09 36.4	18.5 V	704	1997 GJ ₂₂	* 1997 04 06.32028	14 54 45.81	-17 31 16.7	20.0 V	704
1997 GV ₂₁	1997 04 08.42969	14 54 26.42	-11 09 29.4		704	1997 GJ ₂₂	1997 04 06.41475	14 54 42.73	-17 30 49.3		704
1997 GW ₂₁	* 1997 04 06.31887	14 54 54.41	-11 46 24.6	19.8 V	704	1997 GJ ₂₂	1997 04 08.35253	14 53 40.88	-17 21 47.9		704
1997 GW ₂₁	1997 04 06.41334	14 54 51.75	-11 45 33.5		704	1997 GJ ₂₂	1997 04 08.42764	14 53 38.16	-17 21 26.2		704
1997 GW ₂₁	1997 04 08.35410	14 53 58.79	-11 27 47.4		704	1997 GK ₂₂	* 1997 04 06.32028	14 55 08.79	-17 13 33.3	19.7 V	704
1997 GW ₂₁	1997 04 08.42921	14 53 56.42	-11 27 05.6		704	1997 GK ₂₂	1997 04 06.41475	14 55 06.06	-17 13 12.4		704
1997 GX ₂₁	* 1997 04 06.31887	14 55 37.45	-11 52 27.8	18.8 V	704	1997 GK ₂₂	1997 04 07.29874	14 54 43.36	-17 09 44.6	19.7 V	704
1997 GX ₂₁	1997 04 06.41334	14 55 34.09	-11 52 09.7		704	1997 GK ₂₂	1997 04 07.37758	14 54 40.94	-17 09 25.2		704
1997 GX ₂₁	1997 04 08.35473	14 54 25.79	-11 46 13.5	18.6 V	704	1997 GK ₂₂	1997 04 08.35598	14 54 13.42	-17 05 26.6		704
1997 GX ₂₁	1997 04 08.42984	14 54 23.01	-11 45 59.0		704	1997 GK ₂₂	1997 04 08.43109	14 54 10.98	-17 05 07.8		704
1997 GY ₂₁	* 1997 04 06.31903	14 55 00.34	-12 49 14.8	18.5 V	704	1997 GL ₂₂	* 1997 04 06.32043	14 55 50.98	-17 46 25.0	20.6 V	704
1997 GY ₂₁	1997 04 06.41350	14 54 57.97	-12 48 19.0		704	1997 GL ₂₂	1997 04 06.41490	14 55 47.63	-17 46 18.1		704
1997 GY ₂₁	1997 04 07.29720	14 54 37.31	-12 39 43.2	18.3 V	704	1997 GL ₂₂	1997 04 08.35630	14 54 40.38	-17 43 21.5		704
1997 GY ₂₁	1997 04 07.37620	14 54 35.38	-12 38 55.8		704	1997 GL ₂₂	1997 04 08.43141	14 54 37.51	-17 43 14.5		704
1997 GZ ₂₁	* 1997 04 06.31903	14 55 09.59	-12 40 11.6	19.0 V	704	1997 GM ₂₂	* 1997 04 06.32059	14 54 35.50	-18 19 16.0	18.7 V	704
1997 GZ ₂₁	1997 04 06.41350	14 55 06.43	-12 39 46.8		704	1997 GM ₂₂	1997 04 06.41506	14 54 31.39	-18 19 27.1		704
1997 GZ ₂₁	1997 04 07.29720	14 54 38.01	-12 35 53.5	19.0 V	704	1997 GM ₂₂	1997 04 08.35222	14 53 08.31	-18 22 57.6		704
1997 GZ ₂₁	1997 04 07.37620	14 54 35.55	-12 35 33.1		704	1997 GM ₂₂	1997 04 08.42733	14 53 04.87	-18 23 05.2		704
1997 GA ₂₂	* 1997 04 06.31903	14 55 41.21	-12 33 04.7	19.8 V	704	1997 GN ₂₂	* 1997 04 06.32091	14 56 47.23	-17 56 28.2	19.7 V	704
1997 GA ₂₂	1997 04 06.41350	14 55 38.38	-12 32 36.8		704	1997 GN ₂₂	1997 04 06.41537	14 56 43.92	-17 56 16.5		704
1997 GA ₂₂	1997 04 08.35489	14 54 41.59	-12 22 35.7		704	1997 GN ₂₂	1997 04 08.35630	14 55 37.70	-17 51 54.5		704
1997 GA ₂₂	1997 04 08.43000	14 54 39.07	-12 22 11.3		704	1997 GN ₂₂	1997 04 08.43141	14 55 34.94	-17 51 44.8		704
1997 GB ₂₂	* 1997 04 06.31934	14 56 02.62	-13 33 13.8	19.2 V	704	1997 GO ₂₂	* 1997 04 06.32107	14 57 10.29	-17 30 32.3	19.4 V	704

1997 GO ₂₂	1997 04 06.41553	14 57 07.62	-17 30 16.8		704	1997 GZ ₂₂	1997 04 06.41647	14 58 14.90	-13 33 26.1		704
1997 GO ₂₂	1997 04 07.29979	14 56 43.86	-17 27 34.7	19.5 V	704	1997 GZ ₂₂	1997 04 08.38888	14 57 08.34	-13 23 57.9		704
1997 GO ₂₂	1997 04 07.37845	14 56 41.43	-17 27 20.4		704	1997 GZ ₂₂	1997 04 08.43314	14 57 06.75	-13 23 45.3		704
1997 GO ₂₂	1997 04 08.35614	14 56 13.09	-17 24 13.4		704	1997 GA ₂₃	* 1997 04 06.32217	14 56 48.11	-13 18 29.4	19.6 V	704
1997 GO ₂₂	1997 04 08.43125	14 56 10.67	-17 23 58.7		704	1997 GA ₂₃	1997 04 06.41663	14 56 45.03	-13 17 59.6		704
1997 GP ₂₂	* 1997 04 06.32123	14 56 36.09	-17 01 00.6	19.1 V	704	1997 GA ₂₃	1997 04 08.35505	14 55 43.62	-13 07 48.0		704
1997 GP ₂₂	1997 04 06.41569	14 56 29.71	-17 02 39.7		704	1997 GA ₂₃	1997 04 08.43016	14 55 40.85	-13 07 25.1		704
1997 GP ₂₂	1997 04 07.29874	14 55 32.36	-17 17 59.1	19.0 V	704	1997 GB ₂₃	* 1997 04 06.32233	14 57 11.44	-12 43 02.9	19.3 V	704
1997 GP ₂₂	1997 04 07.37758	14 55 26.76	-17 19 21.5		704	1997 GB ₂₃	1997 04 06.41678	14 57 07.37	-12 42 49.8		704
1997 GQ ₂₂	* 1997 04 06.32123	14 57 03.87	-16 48 53.5	19.6 V	704	1997 GB ₂₃	1997 04 08.35489	14 55 42.68	-12 37 58.2		704
1997 GQ ₂₂	1997 04 06.41569	14 57 00.83	-16 48 26.1		704	1997 GB ₂₃	1997 04 08.41585	14 55 39.84	-12 37 47.3		704
1997 GQ ₂₂	1997 04 08.35598	14 56 01.57	-16 38 51.9		704	1997 GC ₂₃	* 1997 04 06.32264	14 58 10.35	-11 17 29.5	19.7 V	704
1997 GQ ₂₂	1997 04 08.43109	14 55 59.14	-16 38 29.6		704	1997 GC ₂₃	1997 04 06.41709	14 58 07.26	-11 17 08.6		704
1997 GR ₂₂	* 1997 04 06.32138	14 57 12.13	-16 18 57.9	20.0 V	704	1997 GC ₂₃	1997 04 08.39063	14 57 04.36	-11 09 19.1		704
1997 GR ₂₂	1997 04 06.41585	14 57 07.82	-16 18 45.5		704	1997 GC ₂₃	1997 04 08.43361	14 57 02.78	-11 09 08.1		704
1997 GR ₂₂	1997 04 08.35583	14 55 40.40	-16 14 22.9		704	1997 GD ₂₃	* 1997 04 06.32280	14 56 50.76	-10 55 52.2	19.2 V	704
1997 GR ₂₂	1997 04 08.43094	14 55 36.71	-16 14 12.5		704	1997 GD ₂₃	1997 04 06.41725	14 56 47.68	-10 55 36.9		704
1997 GS ₂₂	* 1997 04 06.32154	14 57 54.82	-15 40 27.1	19.6 V	704	1997 GD ₂₃	1997 04 08.35442	14 55 45.72	-10 50 17.1		704
1997 GS ₂₂	1997 04 06.41600	14 57 51.26	-15 40 18.9		704	1997 GD ₂₃	1997 04 08.42953	14 55 42.96	-10 50 05.1		704
1997 GS ₂₂	1997 04 08.35740	14 56 40.34	-15 37 15.3		704	1997 GE ₂₃	* 1997 04 06.32326	14 59 56.21	-12 01 00.6	19.2 V	704
1997 GS ₂₂	1997 04 08.43250	14 56 37.38	-15 37 07.2		704	1997 GE ₂₃	1997 04 06.41772	14 59 53.40	-12 00 53.5		704
1997 GT ₂₂	* 1997 04 06.32154	14 58 31.68	-15 40 16.5	18.6 V	704	1997 GE ₂₃	1997 04 07.30223	14 59 28.91	-11 59 48.3	19.7 V	704
1997 GT ₂₂	1997 04 06.41600	14 58 28.11	-15 40 20.1		704	1997 GE ₂₃	1997 04 07.38090	14 59 26.41	-11 59 40.5		704
1997 GT ₂₂	1997 04 07.30031	14 57 55.81	-15 40 52.8	18.7 V	704	1997 GE ₂₃	1997 04 08.35914	14 58 57.12	-11 58 23.4		704
1997 GT ₂₂	1997 04 07.37898	14 57 52.84	-15 40 54.1		704	1997 GE ₂₃	1997 04 08.43424	14 58 54.54	-11 58 16.2		704
1997 GT ₂₂	1997 04 08.35740	14 57 15.69	-15 41 26.8		704	1997 GF ₂₃	* 1997 04 06.32358	14 59 59.35	-12 56 31.0	19.6 V	704
1997 GT ₂₂	1997 04 08.43250	14 57 12.61	-15 41 29.6		704	1997 GF ₂₃	1997 04 06.41803	14 59 55.39	-12 56 39.0		704
1997 GU ₂₂	* 1997 04 06.32185	14 56 33.69	-14 21 02.1	20.5 V	704	1997 GF ₂₃	1997 04 07.30257	14 59 18.45	-12 58 00.5	20.2 V	704
1997 GU ₂₂	1997 04 06.39260	14 56 31.73	-14 20 35.9		704	1997 GF ₂₃	1997 04 07.38124	14 59 15.00	-12 58 07.3		704
1997 GU ₂₂	1997 04 08.35536	14 55 38.44	-14 09 01.1		704	1997 GF ₂₃	1997 04 08.38888	14 58 31.74	-12 59 38.1		704
1997 GU ₂₂	1997 04 08.43047	14 55 36.21	-14 08 34.3		704	1997 GF ₂₃	1997 04 08.43314	14 58 29.73	-12 59 41.4		704
1997 GV ₂₂	* 1997 04 06.32201	14 56 38.38	-13 57 32.0	18.6 V	704	1997 GG ₂₃	* 1997 04 06.32358	15 00 02.38	-13 20 56.0	19.5 V	704
1997 GV ₂₂	1997 04 06.41647	14 56 35.07	-13 56 27.4		704	1997 GG ₂₃	1997 04 06.41803	14 59 57.93	-13 20 51.2		704
1997 GV ₂₂	1997 04 07.29754	14 56 05.01	-13 46 27.8	18.2 V	704	1997 GG ₂₃	1997 04 07.30257	14 59 17.16	-13 20 04.2	19.8 V	704
1997 GV ₂₂	1997 04 07.37654	14 56 02.46	-13 45 33.0		704	1997 GG ₂₃	1997 04 07.38124	14 59 13.23	-13 19 59.9		704
1997 GV ₂₂	1997 04 08.35520	14 55 27.43	-13 34 20.4		704	1997 GG ₂₃	1997 04 08.38888	14 58 24.88	-13 19 02.9		704
1997 GV ₂₂	1997 04 08.43031	14 55 24.61	-13 33 26.7		704	1997 GG ₂₃	1997 04 08.43314	14 58 22.68	-13 18 59.9		704
1997 GW ₂₂	* 1997 04 06.32201	14 57 39.05	-13 39 57.7	19.4 V	704	1997 GH ₂₃	* 1997 04 06.32390	14 58 59.47	-14 20 09.1	19.7 V	704
1997 GW ₂₂	1997 04 06.41647	14 57 35.23	-13 39 42.2		704	1997 GH ₂₃	1997 04 06.41834	14 58 56.01	-14 19 54.2		704
1997 GW ₂₂	1997 04 08.35520	14 56 17.43	-13 34 24.0		704	1997 GH ₂₃	1997 04 08.38776	14 57 46.00	-14 15 06.0		704
1997 GW ₂₂	1997 04 08.43031	14 56 14.15	-13 34 11.9		704	1997 GH ₂₃	1997 04 08.43282	14 57 44.34	-14 14 59.0		704
1997 GX ₂₂	* 1997 04 06.32201	14 57 53.47	-14 02 58.2	19.1 V	704	1997 GJ ₂₃	* 1997 04 06.32390	14 59 20.05	-14 16 19.8	19.0 V	704
1997 GX ₂₂	1997 04 06.41647	14 57 50.62	-14 02 40.8		704	1997 GJ ₂₃	1997 04 06.41834	14 59 16.17	-14 16 29.5		704
1997 GX ₂₂	1997 04 07.30083	14 57 26.26	-13 59 42.1	18.9 V	704	1997 GJ ₂₃	1997 04 07.30065	14 58 40.57	-14 18 00.1	19.5 V	704
1997 GX ₂₂	1997 04 07.37950	14 57 23.85	-13 59 26.4		704	1997 GJ ₂₃	1997 04 07.40558	14 58 35.35	-14 18 12.3		704
1997 GX ₂₂	1997 04 08.35788	14 56 54.84	-13 56 03.5	18.6 V	704	1997 GJ ₂₃	1997 04 08.38776	14 57 54.60	-14 19 49.2		704
1997 GX ₂₂	1997 04 08.43298	14 56 52.36	-13 55 47.1		704	1997 GJ ₂₃	1997 04 08.43282	14 57 52.60	-14 19 53.7		704
1997 GY ₂₂	* 1997 04 06.32201	14 57 57.31	-13 38 53.0	20.2 V	704	1997 GK ₂₃	* 1997 04 06.32405	14 58 59.94	-14 54 57.2	20.0 V	704
1997 GY ₂₂	1997 04 06.41647	14 57 53.84	-13 38 32.9		704	1997 GK ₂₃	1997 04 06.41850	14 58 56.81	-14 54 37.7		704
1997 GY ₂₂	1997 04 08.38831	14 56 44.99	-13 31 18.8		704	1997 GK ₂₃	1997 04 08.35756	14 57 53.66	-14 48 16.5		704
1997 GY ₂₂	1997 04 08.43298	14 56 43.28	-13 31 08.4		704	1997 GK ₂₃	1997 04 08.43266	14 57 51.00	-14 48 01.0		704
1997 GZ ₂₂	* 1997 04 06.32201	14 58 18.13	-13 33 51.8	19.9 V	704	1997 GL ₂₃	* 1997 04 06.32405	15 00 01.53	-15 08 52.6	19.7 V	704

1997 GL ₂₃	1997 04 06.41850	14 59 58.03	-15 08 42.5		704	1997 GW ₂₃	1997 04 11.41178	15 04 43.84	-18 37 32.8		704
1997 GL ₂₃	1997 04 07.30310	14 59 26.91	-15 07 12.9	19.2 V	704	1997 GX ₂₃	* 1997 04 06.33251	15 06 57.61	-10 49 17.0	18.6 V	704
1997 GL ₂₃	1997 04 07.38176	14 59 24.02	-15 07 04.7		704	1997 GX ₂₃	1997 04 06.42711	15 06 54.08	-10 49 12.1		704
1997 GL ₂₃	1997 04 08.38717	14 58 47.42	-15 05 21.0		704	1997 GX ₂₃	1997 04 07.31249	15 06 22.21	-10 48 26.9	18.4 V	704
1997 GL ₂₃	1997 04 08.43266	14 58 45.65	-15 05 15.5		704	1997 GX ₂₃	1997 04 07.39116	15 06 19.17	-10 48 23.2		704
1997 GM ₂₃	* 1997 04 06.32437	14 59 01.27	-16 00 03.1	18.9 V	704	1997 GX ₂₃	1997 04 11.35161	15 03 39.78	-10 44 42.5	19.0 V	704
1997 GM ₂₃	1997 04 06.41896	14 58 57.61	-16 00 04.5		704	1997 GX ₂₃	1997 04 11.35177	15 03 39.68	-10 44 43.3	18.5 V	704
1997 GM ₂₃	1997 04 07.30013	14 58 24.93	-16 00 35.8	18.5 V	704	1997 GX ₂₃	1997 04 11.40955	15 03 37.08	-10 44 39.2		704
1997 GM ₂₃	1997 04 07.37880	14 58 21.77	-16 00 38.6		704	1997 GX ₂₃	1997 04 11.40970	15 03 37.04	-10 44 39.4		704
1997 GM ₂₃	1997 04 08.38596	14 57 42.30	-16 01 08.0		704	1997 GY ₂₃	* 1997 04 06.33392	15 09 36.66	-15 35 15.1	19.9 V	704
1997 GM ₂₃	1997 04 08.43235	14 57 40.40	-16 01 09.5		704	1997 GY ₂₃	1997 04 06.42851	15 09 32.92	-15 35 17.8		704
1997 GN ₂₃	* 1997 04 06.32515	15 01 03.26	-19 24 54.1	19.2 V	704	1997 GY ₂₃	1997 04 07.31406	15 08 58.62	-15 35 39.1	18.9 V	704
1997 GN ₂₃	1997 04 06.41974	15 00 59.28	-19 25 00.3		704	1997 GY ₂₃	1997 04 07.41898	15 08 54.22	-15 35 40.4		704
1997 GN ₂₃	1997 04 08.39354	14 59 37.77	-19 27 01.1		704	1997 GY ₂₃	1997 04 11.35479	15 06 08.95	-15 36 43.2	19.0 V	704
1997 GN ₂₃	1997 04 08.43612	14 59 35.70	-19 27 02.8		704	1997 GY ₂₃	1997 04 11.41275	15 06 06.26	-15 36 43.5		704
1997 GO ₂₃	* 1997 04 06.32530	14 58 37.79	-18 59 50.2	18.8 V	704	1997 GZ ₂₃	* 1997 04 06.33439	15 10 28.10	-17 16 49.5	18.7 V	704
1997 GO ₂₃	1997 04 06.41990	14 58 34.66	-18 59 49.7		704	1997 GZ ₂₃	1997 04 06.42898	15 10 24.93	-17 16 53.3		704
1997 GO ₂₃	1997 04 08.36162	14 57 31.66	-18 59 19.7		704	1997 GZ ₂₃	1997 04 07.31458	15 09 55.92	-17 17 12.6	18.4 V	704
1997 GO ₂₃	1997 04 08.43628	14 57 29.02	-18 59 18.5		704	1997 GZ ₂₃	1997 04 07.41950	15 09 52.26	-17 17 14.8		704
1997 GP ₂₃	* 1997 04 06.32546	14 55 31.71	-19 23 37.9	19.3 V	704	1997 GA ₂₄	* 1997 04 06.33486	15 11 19.66	-18 35 03.8	19.3 V	704
1997 GP ₂₃	1997 04 06.42005	14 55 28.25	-19 23 38.0		704	1997 GA ₂₄	1997 04 06.42945	15 11 16.47	-18 34 56.4		704
1997 GP ₂₃	1997 04 08.39385	14 54 17.05	-19 23 44.7		704	1997 GA ₂₄	1997 04 07.31492	15 10 47.86	-18 33 45.6	19.7 V	704
1997 GP ₂₃	1997 04 08.43644	14 54 15.36	-19 23 43.9		704	1997 GA ₂₄	1997 04 07.41984	15 10 44.38	-18 33 36.9		704
1997 GQ ₂₃	* 1997 04 06.32561	14 52 06.02	-19 23 19.4	19.0 V	704	1997 GA ₂₄	1997 04 11.35399	15 08 25.34	-18 27 36.8	19.4 V	704
1997 GQ ₂₃	1997 04 06.42021	14 52 02.59	-19 23 10.5		704	1997 GA ₂₄	1997 04 11.35829	15 08 25.14	-18 27 34.2	20.0 V	704
1997 GQ ₂₃	1997 04 08.36231	14 50 52.04	-19 19 57.4		704	1997 GA ₂₄	1997 04 11.41195	15 08 23.04	-18 27 30.3		704
1997 GQ ₂₃	1997 04 08.43675	14 50 49.06	-19 19 49.4		704	1997 GA ₂₄	1997 04 11.41626	15 08 22.91	-18 27 30.4		704
1997 GR ₂₃	* 1997 04 06.32625	15 01 40.66	-17 51 53.6	19.4 V	704	1997 GB ₂₄	* 1997 04 06.33785	14 50 21.83	-11 36 31.6	20.0 V	704
1997 GR ₂₃	1997 04 06.42085	15 01 37.56	-17 51 55.4		704	1997 GB ₂₄	1997 04 06.40877	14 50 19.81	-11 35 52.4		704
1997 GR ₂₃	1997 04 08.36071	15 00 33.34	-17 52 15.4		704	1997 GB ₂₄	1997 04 08.35004	14 49 25.54	-11 17 11.5		704
1997 GR ₂₃	1997 04 08.43581	15 00 30.64	-17 52 17.0		704	1997 GB ₂₄	1997 04 08.42528	14 49 23.10	-11 16 26.7		704
1997 GS ₂₃	* 1997 04 06.32625	15 02 01.54	-18 05 56.1	19.7 V	704	1997 GC ₂₄	* 1997 04 06.33800	14 50 29.54	-11 47 15.7	17.8 V	704
1997 GS ₂₃	1997 04 06.42085	15 01 58.53	-18 05 45.4		704	1997 GC ₂₄	1997 04 06.40892	14 50 26.93	-11 46 46.4		704
1997 GS ₂₃	1997 04 08.39323	15 00 53.92	-18 01 25.2		704	1997 GC ₂₄	1997 04 08.34957	14 49 15.53	-11 32 53.2		704
1997 GS ₂₃	1997 04 08.43581	15 00 52.43	-18 01 19.2		704	1997 GC ₂₄	1997 04 08.42481	14 49 12.50	-11 32 20.8		704
1997 GT ₂₃	* 1997 04 06.32656	15 02 45.77	-16 42 19.7	19.3 V	704	1997 GD ₂₄	* 1997 04 06.33816	14 50 09.79	-12 27 27.1	18.4 V	704
1997 GT ₂₃	1997 04 06.42116	15 02 43.05	-16 42 01.3		704	1997 GD ₂₄	1997 04 06.40908	14 50 07.28	-12 26 57.0		704
1997 GT ₂₃	1997 04 07.30589	15 02 18.68	-16 39 04.5	19.6 V	704	1997 GD ₂₄	1997 04 08.34941	14 49 01.62	-12 13 19.7		704
1997 GT ₂₃	1997 04 07.41080	15 02 15.47	-16 38 45.0		704	1997 GD ₂₄	1997 04 08.42466	14 48 58.76	-12 12 46.7		704
1997 GU ₂₃	* 1997 04 06.32750	15 02 29.74	-12 59 32.1	19.0 V	704	1997 GE ₂₄	* 1997 04 06.34207	14 54 20.14	-10 57 32.8	20.7 V	704
1997 GU ₂₃	1997 04 06.42210	15 02 26.94	-12 58 37.2		704	1997 GE ₂₄	1997 04 06.41303	14 54 17.52	-10 57 24.6		704
1997 GU ₂₃	1997 04 07.30710	15 02 01.83	-12 49 53.5	18.9 V	704	1997 GE ₂₄	1997 04 08.35427	14 53 07.01	-10 53 32.7		704
1997 GU ₂₃	1997 04 07.41202	15 01 58.54	-12 48 51.3		704	1997 GE ₂₄	1997 04 08.42938	14 53 03.92	-10 53 23.3		704
1997 GV ₂₃	* 1997 04 06.32845	15 04 46.43	-11 32 15.6	18.7 V	704	1997 GF ₂₄	* 1997 04 06.34285	14 55 56.77	-13 49 37.3	20.7 V	704
1997 GV ₂₃	1997 04 06.42304	15 04 42.37	-11 32 16.9		704	1997 GF ₂₄	1997 04 06.41381	14 55 54.55	-13 49 09.6		704
1997 GV ₂₃	1997 04 07.30797	15 04 05.20	-11 32 31.1	18.5 V	704	1997 GF ₂₄	1997 04 08.35520	14 54 53.28	-13 36 21.7		704
1997 GV ₂₃	1997 04 07.38664	15 04 01.76	-11 32 31.5		704	1997 GF ₂₄	1997 04 08.43031	14 54 50.73	-13 35 51.6		704
1997 GW ₂₃	* 1997 04 06.33048	15 06 39.36	-18 49 31.1	18.1 V	704	1997 GG ₂₄	* 1997 04 06.34582	14 56 48.65	-12 25 34.2	18.9 V	704
1997 GW ₂₃	1997 04 06.42507	15 06 37.39	-18 49 20.7		704	1997 GG ₂₄	1997 04 06.41678	14 56 45.65	-12 25 43.8		704
1997 GW ₂₃	1997 04 07.31023	15 06 21.14	-18 47 32.5	17.8 V	704	1997 GG ₂₄	1997 04 08.35489	14 55 22.16	-12 29 53.5		704
1997 GW ₂₃	1997 04 07.41514	15 06 18.78	-18 47 18.3		704	1997 GG ₂₄	1997 04 08.43000	14 55 18.57	-12 30 02.8		704
1997 GW ₂₃	1997 04 11.35383	15 04 45.74	-18 37 42.1		704	1997 GH ₂₄	* 1997 04 06.34598	14 56 38.25	-12 08 42.3	18.6 V	704

1997 GH ₂₄	1997 04 06.41694	14 56 36.62	-12 08 16.0		704	1997 GC ₃₂	1997 04 16.44742	17 02 17.27	-11 21 30.7		704
1997 GH ₂₄	1997 04 08.35473	14 55 52.03	-11 56 30.6		704	2058 P-L	1997 03 10.24673	10 05 19.23	+08 38 26.7	18.5 V	704
1997 GH ₂₄	1997 04 08.42984	14 55 49.90	-11 56 02.9		704	2058 P-L	1997 03 10.35262	10 05 14.14	+08 38 54.8		704
1997 GJ ₂₄	* 1997 04 06.34598	14 58 41.50	-11 51 21.4	19.3 V	704	2058 P-L	1997 03 11.28898	10 04 31.68	+08 42 52.4	17.9 V	704
1997 GJ ₂₄	1997 04 06.41694	14 58 38.91	-11 51 08.2		704	2058 P-L	1997 03 11.39084	10 04 26.95	+08 43 18.3		704
1997 GJ ₂₄	1997 04 08.39005	14 57 30.36	-11 44 51.3		704	2058 P-L	1997 03 12.22973	10 03 49.83	+08 46 48.0	18.3 V	704
1997 GJ ₂₄	1997 04 08.43345	14 57 28.75	-11 44 43.0		704	2058 P-L	1997 03 12.33158	10 03 45.27	+08 47 11.7		704
1997 GK ₂₄	* 1997 04 06.34629	14 58 41.64	-10 45 20.2	20.5 V	704	2532 P-L	1997 04 02.41757	14 53 17.65	-11 09 06.6	18.6 V	704
1997 GK ₂₄	1997 04 06.41725	14 58 39.15	-10 44 47.9		704	2532 P-L	1997 04 02.45924	14 53 16.47	-11 08 52.9		704
1997 GK ₂₄	1997 04 07.30171	14 58 10.62	-10 38 07.7	19.8 V	704	2532 P-L	1997 04 06.31417	14 51 27.76	-10 48 02.3	19.5 V	704
1997 GK ₂₄	1997 04 07.38038	14 58 07.87	-10 37 31.7		704	2532 P-L	1997 04 06.40861	14 51 24.73	-10 47 31.0		704
1997 GL ₂₄	* 1997 04 06.34676	14 58 52.81	-12 12 32.0	20.5 V	704	2532 P-L	1997 04 07.29181	14 50 57.45	-10 42 33.5	19.6 V	704
1997 GL ₂₄	1997 04 06.41772	14 58 50.79	-12 11 58.1		704	2532 P-L	1997 04 07.39690	14 50 53.95	-10 41 58.0		704
1997 GL ₂₄	1997 04 08.39005	14 57 56.58	-11 55 24.6		704	2536 P-L	1997 03 31.34142	12 56 54.98	-04 05 04.7	17.9 V	704
1997 GL ₂₄	1997 04 08.43345	14 57 55.16	-11 55 03.0		704	2536 P-L	1997 03 31.42881	12 56 49.30	-04 04 45.3		704
1997 GM ₂₄	* 1997 04 06.34676	15 00 59.12	-12 09 21.1	20.2 V	704	2536 P-L	1997 04 03.28090	12 53 48.11	-03 54 47.3	18.5 V	704
1997 GM ₂₄	1997 04 06.41772	15 00 55.86	-12 09 11.5		704	2536 P-L	1997 04 03.39520	12 53 40.55	-03 54 23.7		704
1997 GM ₂₄	1997 04 08.39167	14 59 28.43	-12 04 01.4		704	2536 P-L	1997 04 06.17053	12 50 42.84	-03 44 42.0	18.2 V	704
1997 GM ₂₄	1997 04 08.43424	14 59 26.48	-12 03 54.1		704	2536 P-L	1997 04 06.23733	12 50 38.42	-03 44 28.3		704
1997 GN ₂₄	* 1997 04 07.29267	14 49 37.44	-13 36 28.2	19.5 V	704	2592 P-L	1997 03 10.25045	09 55 46.19	+09 27 14.0	17.5 V	704
1997 GN ₂₄	1997 04 07.39794	14 49 32.18	-13 36 33.0		704	2592 P-L	1997 03 10.35634	09 55 41.25	+09 27 57.3		704
1997 GN ₂₄	1997 04 08.34894	14 48 46.01	-13 37 28.7		704	2592 P-L	1997 03 11.29254	09 55 00.39	+09 34 17.5	17.1 V	704
1997 GN ₂₄	1997 04 08.42418	14 48 42.10	-13 37 32.2		704	2592 P-L	1997 03 11.39441	09 54 55.84	+09 34 57.7		704
1997 GO ₂₄	* 1997 04 07.29892	14 56 00.79	-18 17 10.0	19.6 V	704	2821 P-L	1997 04 03.29540	13 06 38.21	-02 57 40.7	17.9 V	704
1997 GO ₂₄	1997 04 07.37776	14 55 58.90	-18 16 56.2		704	2821 P-L	1997 04 03.41001	13 06 32.94	-02 57 05.4		704
1997 GO ₂₄	1997 04 08.35630	14 55 36.26	-18 13 54.7	18.7 V	704	2821 P-L	1997 04 05.24207	13 05 10.58	-02 48 00.5	16.9 V	704
1997 GO ₂₄	1997 04 08.43141	14 55 34.43	-18 13 41.0		704	2821 P-L	1997 04 05.33627	13 05 06.25	-02 47 33.3		704
1997 GP ₂₄	* 1997 04 07.30257	14 59 45.83	-13 13 52.7	19.5 V	704	2821 P-L	1997 04 07.15376	13 03 44.09	-02 38 35.7	17.7 V	704
1997 GP ₂₄	1997 04 07.38124	14 59 42.82	-13 13 50.3		704	2821 P-L	1997 04 07.23219	13 03 40.34	-02 38 11.7		704
1997 GP ₂₄	1997 04 08.39198	14 59 05.19	-13 13 34.2		704	4036 P-L	1997 04 06.33454	15 10 24.45	-18 01 09.8	19.5 V	704
1997 GP ₂₄	1997 04 08.43455	14 59 03.47	-13 13 33.6		704	4036 P-L	1997 04 06.42914	15 10 21.53	-18 00 58.1		704
1997 GQ ₂₄	* 1997 04 07.30310	15 00 45.13	-15 01 14.2	19.6 V	704	4036 P-L	1997 04 07.31475	15 09 55.05	-17 58 56.8	19.3 V	704
1997 GQ ₂₄	1997 04 07.38176	15 00 42.23	-15 01 08.1		704	4036 P-L	1997 04 07.41967	15 09 51.57	-17 58 42.3		704
1997 GQ ₂₄	1997 04 08.35992	15 00 08.18	-14 59 41.4		704	4036 P-L	1997 04 11.35415	15 07 40.85	-17 48 50.4	19.1 V	704
1997 GQ ₂₄	1997 04 08.43502	15 00 05.29	-14 59 34.0		704	4036 P-L	1997 04 11.41211	15 07 38.70	-17 48 40.1		704
1997 GW ₂₄	1997 04 03.30073	13 15 20.52	-06 04 20.5	18.4 V	704	4874 P-L	1997 04 11.18103	13 10 51.92	-04 16 00.9	19.5 V	704
1997 GW ₂₄	1997 04 03.41551	13 15 15.40	-06 03 44.4		704	4874 P-L	1997 04 11.23780	13 10 48.74	-04 15 44.7		704
1997 GW ₂₄	1997 04 11.17773	13 09 36.46	-05 24 33.2	17.9 V	704	6547 P-L	1997 04 06.33501	15 13 10.65	-17 56 44.1	19.3 V	704
1997 GW ₂₄	1997 04 11.23450	13 09 33.92	-05 24 16.5		704	6547 P-L	1997 04 06.42961	15 13 07.25	-17 56 38.2		704
1997 GA ₂₅	* 1997 04 10.20848	11 07 19.26	+04 09 51.1	19.4 V	704	6547 P-L	1997 04 11.35813	15 09 59.48	-17 49 10.8	18.9 V	704
1997 GA ₂₅	1997 04 10.22278	11 07 17.56	+04 09 21.6		704	6547 P-L	1997 04 11.41609	15 09 56.99	-17 49 05.2		704
1997 GA ₂₅	1997 04 10.23696	11 07 15.82	+04 08 52.6		704	1146 T-1	1997 04 06.32703	15 02 26.40	-15 05 28.5	19.2 V	704
1997 GA ₂₅	1997 04 10.25133	11 07 14.11	+04 08 24.8		704	1146 T-1	1997 04 06.42163	15 02 23.55	-15 05 02.7		704
1997 GC ₃₂	* 1997 04 14.33334	16 56 45.08	-11 54 26.6	20.2 V	704	1146 T-1	1997 04 07.30641	15 01 58.31	-15 00 58.7	18.9 V	704
1997 GC ₃₂	1997 04 14.37501	16 56 51.23	-11 53 50.7		704	1146 T-1	1997 04 07.41132	15 01 54.93	-15 00 30.7		704
1997 GC ₃₂	1997 04 14.43897	16 57 00.66	-11 52 54.8	19.8 V	704	1146 T-1	1997 04 08.39245	15 01 25.19	-14 55 54.9		704
1997 GC ₃₂	1997 04 14.45008	16 57 02.32	-11 52 45.0		704	1146 T-1	1997 04 08.43502	15 01 23.91	-14 55 43.0		704
1997 GC ₃₂	1997 04 15.33905	16 59 20.96	-11 39 15.2	19.7 V	704	1251 T-1	1997 03 04.19393	09 09 06.24	+22 38 07.2		704
1997 GC ₃₂	1997 04 15.37030	16 59 25.78	-11 38 47.6		704	1251 T-1	1997 03 05.14227	09 08 29.37	+22 37 34.2		704
1997 GC ₃₂	1997 04 15.40980	16 59 31.70	-11 38 10.7	20.0 V	704	1251 T-1	1997 03 05.28729	09 08 23.68	+22 37 28.8		704
1997 GC ₃₂	1997 04 15.43758	16 59 35.89	-11 37 44.0		704	1251 T-1	1997 03 06.28719	09 07 46.20	+22 36 45.7		704
1997 GC ₃₂	1997 04 16.36409	17 02 04.32	-11 22 52.4	19.8 V	704	2291 T-1	1997 04 06.32217	14 57 28.38	-13 04 25.2	18.2 V	704

2291 T-1	1997 04 06.41663	14 57 24.96	-13 04 11.8		704	3395 T-3	1997 04 06.41256	14 52 25.79	-11 53 52.0		704
2291 T-1	1997 04 07.30100	14 56 54.23	-13 02 10.4	18.2 V	704	3395 T-3	1997 04 08.35004	14 51 14.84	-11 42 04.2		704
2291 T-1	1997 04 07.37967	14 56 51.24	-13 01 58.5		704	3395 T-3	1997 04 08.42528	14 51 11.79	-11 41 35.6		704
2291 T-1	1997 04 08.35505	14 56 15.81	-12 59 40.2		704	4197 T-3	1997 04 11.35957	15 13 14.44	-14 22 18.9	19.5 V	704
2291 T-1	1997 04 08.43016	14 56 12.84	-12 59 29.2		704	4197 T-3	1997 04 11.36164	15 13 14.44	-14 22 17.7	19.4 V	704
1041 T-2	1997 04 06.33126	15 06 09.46	-15 26 09.1	19.1 V	704	4197 T-3	1997 04 11.41754	15 13 12.14	-14 22 12.5		704
1041 T-2	1997 04 06.42585	15 06 06.43	-15 25 51.5		704	4197 T-3	1997 04 11.41963	15 13 12.04	-14 22 10.4		704
1041 T-2	1997 04 11.35020	15 03 25.02	-15 10 36.1	19.3 V	704	4304 T-3	1997 03 06.15490	09 24 09.65	+18 49 33.3		704
1041 T-2	1997 04 11.40842	15 03 22.86	-15 10 24.0		704	4304 T-3	1997 03 06.29999	09 24 03.87	+18 50 06.7		704
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2071 T-2	1997 04 05.23752	13 00 06.68	-07 51 42.2	19.1 V	704	(73)	1997 04 03.28028	12 52 40.23	-06 07 26.1		704
2071 T-2	1997 04 05.36307	12 59 59.69	-07 51 00.6		704	(73)	1997 04 03.39457	12 52 34.04	-06 06 54.9		704
2071 T-2	1997 04 07.14702	12 58 26.27	-07 39 50.2	19.3 V	704	(73)	1997 04 05.22726	12 50 58.29	-05 58 30.1		704
2071 T-2	1997 04 07.22545	12 58 22.05	-07 39 20.7		704	(73)	1997 04 05.35282	12 50 51.52	-05 57 57.2		704
2137 T-2	1997 03 10.24832	10 06 27.67	+09 27 11.7	18.4 V	704	(73)	1997 04 06.14967	12 50 10.21	-05 54 19.1		704
2137 T-2	1997 03 10.35421	10 06 21.69	+09 27 46.2		704	(73)	1997 04 06.23785	12 50 05.45	-05 53 54.7		704
2137 T-2	1997 03 11.29051	10 05 31.65	+09 33 09.6		704	(73)	1997 04 07.14044	12 49 18.58	-05 49 46.7		704
2137 T-2	1997 03 11.39237	10 05 26.09	+09 33 43.3		704	(76)	1997 04 06.32986	15 04 08.20	-16 33 52.8		704
2137 T-2	1997 03 12.23177	10 04 42.48	+09 38 24.7	18.6 V	704	(76)	1997 04 06.42444	15 04 05.49	-16 33 39.2		704
2137 T-2	1997 03 12.33362	10 04 36.94	+09 38 58.4		704	(76)	1997 04 11.34989	15 01 25.57	-16 19 55.6		704
2232 T-2	1997 03 10.24779	10 08 45.66	+09 30 20.1	18.5 V	704	(76)	1997 04 11.40810	15 01 23.24	-16 19 43.0		704
2232 T-2	1997 03 10.35368	10 08 40.36	+09 31 00.2		704	(150)	1997 04 02.45322	14 47 28.88	-15 40 25.1		704
2232 T-2	1997 03 11.29000	10 07 55.67	+09 36 51.5	17.8 V	704	(161)	1997 03 31.32885	12 50 02.79	-03 24 05.2		704
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2232 T-2	1997 03 12.23788	10 07 11.41	+09 42 40.4		704	(161)	1997 04 03.27663	12 46 56.17	-03 16 06.0		704
2232 T-2	1997 03 12.33973	10 07 06.49	+09 43 17.4		704	(161)	1997 04 03.39095	12 46 48.60	-03 15 48.0		704
2304 T-2	1997 04 03.28168	12 54 51.35	-03 44 42.6	19.3 V	704	(166)	1997 03 04.19803	09 15 44.39	+21 00 34.5		704
2304 T-2	1997 04 03.39598	12 54 45.83	-03 44 14.0		704	(166)	1997 03 04.34364	09 15 38.75	+21 01 21.5		704
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2304 T-2	1997 04 07.14373	12 51 51.21	-03 28 29.7	19.6 V	704	(166)	1997 03 06.14645	09 14 33.91	+21 10 47.3		704
2304 T-2	1997 04 07.22217	12 51 47.55	-03 28 08.8		704	(166)	1997 03 06.29154	09 14 28.62	+21 11 30.5		704
4165 T-2	1997 04 02.41827	14 55 46.53	-11 43 38.8	19.6 V	704	(184)	1997 03 05.16376	09 13 36.22	+16 17 20.9		704
4165 T-2	1997 04 02.45993	14 55 45.16	-11 43 27.1		704	(184)	1997 03 05.30878	09 13 30.79	+16 17 40.1		704
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4165 T-2	1997 04 06.41272	14 53 31.13	-11 24 52.4		704	(184)	1997 03 06.30892	09 12 56.33	+16 19 49.2		704
4165 T-2	1997 04 08.35410	14 52 18.64	-11 15 18.5		704	(263)	1997 04 02.41966	14 54 22.38	-16 40 33.0		704
4165 T-2	1997 04 08.42921	14 52 15.66	-11 14 56.2		704	(263)	1997 04 02.46133	14 54 20.83	-16 40 24.7		704
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5447 T-2	1997 03 10.33718	10 03 29.74	+06 13 23.5		704	(263)	1997 04 07.29494	14 51 41.47	-16 27 10.3		704
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1194 T-3	1997 03 05.17366	09 12 47.60	+13 37 51.0		704	(331)	1997 04 03.29445	13 08 21.08	-06 21 29.3		704
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2315 T-3	1997 03 31.15286	08 47 05.95	+15 17 35.6	18.5 V	704	(331)	1997 04 05.24571	13 06 48.34	-06 14 54.9		704
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(359)	1997 03 31.43171	13 00 38.94	-08 05 56.8	704	(902)	1997 04 06.15575	12 54 40.55	-10 02 02.8	704
(359)	1997 04 03.28421	12 58 09.39	-07 56 11.6	704	(902)	1997 04 07.14200	12 53 43.61	-09 57 59.6	704
(359)	1997 04 03.39850	12 58 03.22	-07 55 48.0	704	(902)	1997 04 07.22045	12 53 38.96	-09 57 40.3	704
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(1633)	1997 04 11.41324	15 07 09.43	-13 30 38.2		704	(2057)	1997 04 02.41115	14 46 45.01	-16 47 29.7	19.0 V	704
(1633)	1997 04 11.41339	15 07 09.37	-13 30 36.9		704	(2057)	1997 04 02.45290	14 46 43.58	-16 47 24.9		704
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(1651)	1997 03 31.42374	12 54 59.25	-04 56 15.2		704	(2110)	1997 04 03.40059	13 00 00.83	-04 43 45.4		704
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(1651)	1997 04 05.22674	12 50 42.51	-04 10 42.4		704	(2110)	1997 04 06.15785	12 57 14.42	-04 25 24.7	17.4 V	704
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(1689)	1997 03 05.29381	09 09 01.68	+20 09 27.8		704	(2193)	1997 04 07.31510	15 11 33.74	-18 43 55.3	17.3 V	704
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(6070)	1997 04 11.41307	15 07 15.50	-14 06 47.7		704	(6736)	1997 04 02.41879	14 55 46.36	-14 00 24.2	19.2 V	704
(6070)	1997 04 11.41324	15 07 15.46	-14 06 47.7		704	(6736)	1997 04 02.46045	14 55 44.70	-14 00 19.4		704
(6074)	1997 04 11.36355	15 05 15.68	-19 22 01.0	18.3 V	704	(6736)	1997 04 06.31761	14 53 10.43	-13 51 28.7	18.7 V	704
(6074)	1997 04 11.42155	15 05 13.26	-19 21 50.7		704	(6736)	1997 04 06.41209	14 53 06.21	-13 51 15.1		704
(6175)	1997 04 11.18275	13 15 38.63	-07 50 52.3	18.8 V	704	(6741)	1997 03 05.17318	09 08 58.52	+13 26 37.7		704
(6175)	1997 04 11.23952	13 15 36.16	-07 50 37.2		704	(6741)	1997 03 05.31796	09 08 51.83	+13 27 26.7		704
(6220)	1997 04 06.31667	14 53 43.41	-17 24 49.6	18.9 V	704	(6741)	1997 03 06.17277	09 08 14.95	+13 32 21.9		704
(6220)	1997 04 06.41113	14 53 40.18	-17 24 23.5		704	(6741)	1997 03 06.31810	09 08 08.46	+13 33 10.9		704
(6220)	1997 04 08.35253	14 52 34.94	-17 15 16.6	18.8 V	704	(6754)	1997 04 03.28090	12 52 25.98	-03 58 22.2	20.5 V	704
(6220)	1997 04 08.42764	14 52 32.33	-17 14 54.9		704	(6754)	1997 04 03.39520	12 52 19.49	-03 57 36.1		704

(6754)	1997 04 05.22674	12 50 40.86	-03 45 47.9	17.9 V	704	(7208)	1997 03 05.15266	08 58 54.17	+19 42 57.6	704
(6754)	1997 04 05.35230	12 50 33.93	-03 44 59.9		704	(7208)	1997 03 05.29768	08 58 48.21	+19 43 22.4	704
(6754)	1997 04 06.14898	12 49 51.43	-03 39 51.2	18.0 V	704	(7374)	1997 04 01.19944	08 46 40.95	+17 33 16.6	17.6 V 704
(6754)	1997 04 06.23715	12 49 46.56	-03 39 16.2		704	(7374)	1997 04 01.26365	08 46 43.70	+17 32 55.7	704
(6754)	1997 04 07.13935	12 48 58.32	-03 33 32.5	18.6 V	704	(7452)	1997 03 04.20937	09 00 22.69	+18 30 58.0	704
(6754)	1997 04 07.21779	12 48 54.05	-03 33 02.0		704	(7452)	1997 03 04.31857	09 00 18.97	+18 31 15.2	704
(6778)	1997 04 06.32766	15 03 19.88	-12 37 18.7	18.5 V	704	(7452)	1997 03 06.19353	08 59 19.29	+18 35 53.6	704
(6778)	1997 04 06.42226	15 03 16.62	-12 37 01.3		704	(7452)	1997 03 06.30240	08 59 15.79	+18 36 09.6	704
(6778)	1997 04 07.30710	15 02 47.45	-12 34 11.3	18.1 V	704	(7475)	1997 03 05.17439	09 22 24.18	+13 39 46.8	704
(6778)	1997 04 07.41202	15 02 43.71	-12 33 50.5		704	(7475)	1997 03 05.28294	09 22 19.83	+13 40 30.8	704
(6814)	1997 03 31.32981	12 51 06.81	-05 37 57.4	17.2 V	704	(7475)	1997 03 06.17397	09 21 47.51	+13 46 30.6	704
(6814)	1997 03 31.41723	12 51 02.48	-05 37 27.6		704	(7475)	1997 03 06.31930	09 21 41.97	+13 47 28.3	704
(6814)	1997 04 03.27615	12 48 47.17	-05 21 03.2	18.2 V	704	(7481)	1997 03 12.21598	10 05 56.66	+05 55 22.4	704
(6814)	1997 04 03.39048	12 48 41.56	-05 20 24.5		704	(7481)	1997 03 12.31783	10 05 52.86	+05 56 14.5	704
(6814)	1997 04 05.22553	12 47 14.58	-05 09 49.4	17.7 V	704	(7483)	1997 04 02.41358	14 51 15.39	-12 20 30.5	18.3 V 704
(6814)	1997 04 05.35109	12 47 08.43	-05 09 05.7		704	(7483)	1997 04 02.45525	14 51 14.00	-12 20 24.7	704
(6815)	1997 04 11.17962	13 11 14.10	-09 34 28.0	18.9 V	704	(7483)	1997 04 06.31371	14 49 08.29	-12 10 38.0	18.7 V 704
(6815)	1997 04 11.23638	13 11 10.91	-09 34 07.9		704	(7483)	1997 04 06.33800	14 49 07.44	-12 10 33.9	16.5 V 704
(6854)	1997 04 06.32452	14 59 36.17	-16 41 09.2	19.2 V	704	(7483)	1997 04 06.40814	14 49 04.92	-12 10 22.6	704
(6854)	1997 04 06.41912	14 59 32.34	-16 40 50.1		704	(7483)	1997 04 06.40892	14 49 05.05	-12 10 21.7	704
(6854)	1997 04 07.30362	14 58 57.31	-16 37 51.4	19.6 V	704	(7483)	1997 04 07.29128	14 48 34.15	-12 08 01.4	18.5 V 704
(6854)	1997 04 07.40853	14 58 52.92	-16 37 29.6		704	(7483)	1997 04 07.39638	14 48 30.31	-12 07 45.1	704
(6854)	1997 04 08.38537	14 58 12.86	-16 34 07.5		704	(7483)	1997 04 08.34941	14 47 56.31	-12 05 10.2	704
(6854)	1997 04 08.43219	14 58 10.88	-16 33 57.1		704	(7483)	1997 04 08.42466	14 47 53.39	-12 04 58.1	704
(6881)	1997 04 11.35748	15 09 19.79	-15 20 31.7	18.7 V	704	(7490)	1997 03 04.20961	09 00 06.27	+17 56 39.4	704
(6881)	1997 04 11.41547	15 09 17.58	-15 20 24.5		704	(7490)	1997 03 04.31881	09 00 02.17	+17 56 42.9	704
(6937)	1997 03 31.33778	12 55 15.84	-08 41 50.9	17.0 V	704	(7490)	1997 03 05.15773	08 59 34.17	+17 57 23.3	704
(6937)	1997 03 31.42519	12 55 12.00	-08 41 09.5		704	(7490)	1997 03 05.30275	08 59 29.09	+17 57 28.9	704
(6937)	1997 04 03.27978	12 53 10.94	-08 18 18.4	18.2 V	704	(7490)	1997 03 06.15755	08 59 02.35	+17 58 00.3	704
(6937)	1997 04 03.39410	12 53 05.86	-08 17 23.8		704	(7490)	1997 03 06.30265	08 58 57.50	+17 58 05.3	704
(6937)	1997 04 05.22952	12 51 47.99	-08 02 32.0	16.9 V	704	(7533)	1997 03 04.21251	09 19 27.74	+17 11 43.8	704
(6937)	1997 04 05.35508	12 51 42.47	-08 01 29.5		704	(7533)	1997 03 04.32170	09 19 23.61	+17 12 06.1	704
(6937)	1997 04 07.14091	12 50 27.06	-07 46 58.6	17.7 V	704	(7533)	1997 03 05.16062	09 18 53.71	+17 15 03.8	704
(6937)	1997 04 07.21935	12 50 23.72	-07 46 20.4		704	(7533)	1997 03 05.30565	09 18 48.37	+17 15 33.9	704
(7158)	1997 03 31.34480	13 00 05.64	-09 30 36.4	18.1 V	704	(7533)	1997 03 06.16045	09 18 18.87	+17 18 28.1	704
(7158)	1997 03 31.43219	13 00 01.81	-09 30 02.3		704	(7533)	1997 03 06.30554	09 18 13.70	+17 18 57.5	704
(7158)	1997 04 03.28389	12 58 00.39	-09 11 15.0	18.2 V	704	(7534)	1997 03 04.19079	09 07 09.30	+22 42 47.6	704
(7158)	1997 04 03.39818	12 57 55.33	-09 10 30.1		704	(7534)	1997 03 04.33640	09 07 02.06	+22 43 16.1	704
(7158)	1997 04 05.23421	12 56 36.81	-08 58 13.3	18.2 V	704	(7534)	1997 03 05.13865	09 06 24.85	+22 45 46.7	704
(7158)	1997 04 05.35977	12 56 31.24	-08 57 22.3		704	(7534)	1997 03 05.28391	09 06 17.77	+22 46 13.2	704
(7158)	1997 04 06.15540	12 55 57.31	-08 52 00.4	17.8 V	704	(7534)	1997 03 06.13872	09 05 39.16	+22 48 46.5	704
(7158)	1997 04 06.24361	12 55 53.55	-08 51 25.2		704	(7534)	1997 03 06.28381	09 05 32.33	+22 49 11.2	704
(7158)	1997 04 07.14560	12 55 14.86	-08 45 18.5	17.6 V	704					
(7158)	1997 04 07.22404	12 55 11.46	-08 44 46.2		704					
(7205)	1997 04 06.32546	14 54 58.74	-19 11 02.4	18.2 V	704					
(7205)	1997 04 06.42005	14 54 55.70	-19 10 51.2		704					
(7205)	1997 04 07.30466	14 54 28.52	-19 09 07.8	18.5 V	704					
(7205)	1997 04 07.40957	14 54 24.82	-19 08 56.7		704					
(7205)	1997 04 08.36215	14 53 53.99	-19 06 58.0	18.7 V	704					
(7205)	1997 04 08.43659	14 53 51.33	-19 06 48.9		704					
(7208)	1997 03 04.20455	08 59 31.85	+19 40 06.7		704					
(7208)	1997 03 04.34991	08 59 25.58	+19 40 33.4		704					
						706 Salinas				
						J. Hall, 10180 County Rd. 190, Salida, CO 81201, U.S.A. [teila@rmi.net]				
						0.25-m <i>f</i> /6 Newtonian reflector + CCD				
						GSC				
						(963)	1997 03 31.21463	13 15 19.46	+03 08 34.5	706
						(963)	1997 03 31.25476	13 15 16.89	+03 08 45.6	706
						(3615)	1997 03 31.27667	13 30 14.68	-06 23 01.9	706
						(3615)	1997 03 31.29924	13 30 13.67	-06 22 55.5	706

709 W & B Observatory, Cloudcroft

W. Offutt, P.O. Drawer 1130, Cloudcroft, NM 88317, U.S.A.

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0.60-m *f*/7 Ritchey-Chrétien + CCD

GSC

1992 GA ₄	1997 03 16.10334	09 56 16.36	+12 28 09.5	17.9 V	709
1992 GA ₄	1997 03 16.11088	09 56 16.10	+12 28 11.0	17.9 V	709
1992 GA ₄	1997 03 16.11450	09 56 15.97	+12 28 11.7	17.8 V	709
1992 GA ₄	1997 03 16.11946	09 56 15.78	+12 28 12.7	17.7 V	709
1992 GA ₄	1997 03 16.12434	09 56 15.63	+12 28 13.7	17.7 V	709
1992 GA ₄	1997 03 16.12991	09 56 15.43	+12 28 14.8	17.8 V	709
1992 GA ₄	1997 03 19.13648	09 54 38.03	+12 38 03.0	18.2 V	709
1992 GA ₄	1997 03 19.14448	09 54 37.80	+12 38 04.7	18.2 V	709
1992 GA ₄	1997 03 19.14981	09 54 37.64	+12 38 05.5	18.3 V	709
1992 GA ₄	1997 03 19.15556	09 54 37.45	+12 38 06.8	18.2 V	709
1992 GA ₄	1997 03 19.16464	09 54 37.16	+12 38 08.4	18.2 V	709
1992 GA ₄	1997 03 22.14071	09 53 10.36	+12 46 56.4	18.2 V	709
1992 GA ₄	1997 03 22.14778	09 53 10.18	+12 46 57.6	18.2 V	709
1992 GA ₄	1997 03 22.15406	09 53 09.96	+12 46 58.7	18.5 V	709
1992 GA ₄	1997 03 22.16112	09 53 09.79	+12 46 59.9	18.2 V	709
1992 GA ₄	1997 03 22.16815	09 53 09.60	+12 47 01.2	18.3 V	709
1992 GA ₄	1997 03 22.17274	09 53 09.46	+12 47 01.9	18.2 V	709
1992 GA ₄	1997 04 15.12410	09 48 02.87	+13 22 13.3	18.8 V	709
1992 GA ₄	1997 04 15.13106	09 48 02.89	+13 22 13.3	18.8 V	709
1992 GA ₄	1997 04 15.24333	09 48 03.06	+13 22 13.8	18.6 V	709
1992 GA ₄	1997 04 15.25124	09 48 03.07	+13 22 13.7	18.6 V	709
1997 EC ₂₆	1997 03 28.11610	09 52 30.66	+12 59 51.7	20.1 V	709
1997 EC ₂₆	1997 03 28.12765	09 52 30.46	+12 59 52.9	19.9 V	709
1997 EC ₂₆	1997 03 28.13958	09 52 30.30	+12 59 53.9	20.0 V	709
1997 EC ₂₆	1997 03 28.15096	09 52 30.14	+12 59 54.8	19.7 V	709
1997 EC ₂₆	1997 03 28.16230	09 52 29.96	+12 59 55.8	20.0 V	709
1997 ED ₂₆	1997 03 16.14379	09 57 07.00	+12 37 41.6	18.6 V	709
1997 ED ₂₆	1997 03 16.14801	09 57 06.84	+12 37 42.5	18.5 V	709
1997 ED ₂₆	1997 03 16.15471	09 57 06.61	+12 37 44.1	18.7 V	709
1997 ED ₂₆	1997 03 16.15993	09 57 06.40	+12 37 45.5	18.6 V	709
1997 ED ₂₆	1997 03 16.16491	09 57 06.21	+12 37 46.6	18.6 V	709
1997 ED ₂₆	1997 03 16.17162	09 57 05.97	+12 37 48.2	18.7 V	709
1997 ED ₂₆	1997 03 19.17198	09 55 26.60	+12 48 55.4	18.4 V	709
1997 ED ₂₆	1997 03 19.17620	09 55 26.39	+12 48 57.1	18.3 V	709
1997 ED ₂₆	1997 03 19.18226	09 55 26.27	+12 48 58.0	18.3 V	709
1997 ED ₂₆	1997 03 19.18944	09 55 25.98	+12 49 00.4	18.4 V	709
1997 ED ₂₆	1997 03 19.19938	09 55 25.70	+12 49 01.3	18.3 V	709
1997 ED ₂₆	1997 03 19.30068	09 55 22.37	+12 49 23.9	18.5 V	709
1997 ED ₂₆	1997 03 19.30634	09 55 22.16	+12 49 24.8	18.6 V	709
1997 ED ₂₆	1997 03 19.32747	09 55 21.52	+12 49 28.2	18.4 V	709
1997 ED ₂₆	1997 03 23.12701	09 53 32.56	+13 01 56.8	17.7 V	709
1997 ED ₂₆	1997 03 23.13336	09 53 32.44	+13 01 57.4	17.8 V	C 709
1997 ED ₂₆	1997 03 23.16617	09 53 31.48	+13 02 04.1	17.9 V	C 709
1997 ED ₂₆	1997 03 23.17029	09 53 31.42	+13 02 04.2	18.1 V	C 709
1997 ED ₂₆	1997 03 23.17670	09 53 31.19	+13 02 05.8	17.8 V	709
1997 ED ₂₆	1997 03 29.10794	09 51 19.39	+13 17 52.3	19.2 V	709
1997 ED ₂₆	1997 03 29.11472	09 51 19.26	+13 17 53.3	19.2 V	709

1997 ED ₂₆	1997 03 29.12162	09 51 19.11	+13 17 54.2	19.3 V	709
1997 ED ₂₆	1997 03 29.12883	09 51 18.98	+13 17 55.3	19.2 V	709
1997 ED ₂₆	1997 03 29.13597	09 51 18.85	+13 17 56.1	19.3 V	709
1997 ED ₂₆	1997 03 29.14451	09 51 18.69	+13 17 57.5	19.3 V	709
1997 ED ₂₆	1997 04 15.13810	09 49 36.84	+13 37 22.8	19.0 V	709
1997 ED ₂₆	1997 04 15.14497	09 49 36.87	+13 37 23.0	19.1 V	709
1997 ED ₂₆	1997 04 15.23388	09 49 37.29	+13 37 22.9	19.1 V	709
1997 ED ₂₆	1997 04 15.23931	09 49 37.35	+13 37 22.8	19.0 V	709
1997 FD	* 1997 03 19.17198	09 55 15.57	+12 47 44.4	18.4 V	709
1997 FD	1997 03 19.17620	09 55 15.46	+12 47 46.5	18.4 V	709
1997 FD	1997 03 19.18226	09 55 15.24	+12 47 47.7	18.5 V	709
1997 FD	1997 03 19.18944	09 55 14.97	+12 47 50.5	18.3 V	709
1997 FD	1997 03 19.19938	09 55 14.62	+12 47 55.1	18.3 V	709
1997 FD	1997 03 19.27833	09 55 11.93	+12 48 25.1	18.9 V	709
1997 FD	1997 03 19.30068	09 55 11.37	+12 48 32.6	18.5 V	709
1997 FD	1997 03 19.30634	09 55 11.13	+12 48 35.4	18.6 V	709
1997 FD	1997 03 19.32032	09 55 10.72	+12 48 39.3	18.5 V	709
1997 FD	1997 03 19.32747	09 55 10.41	+12 48 42.2	18.3 V	709
1997 FD	1997 03 22.09810	09 53 55.01	+13 05 28.8	18.8 V	709
1997 FD	1997 03 22.10412	09 53 54.82	+13 05 30.0	19.5 V	F 709
1997 FD	1997 03 22.10904	09 53 54.75	+13 05 32.5	18.9 V	709
1997 FD	1997 03 22.11580	09 53 54.54	+13 05 34.9	19.1 V	F 709
1997 FD	1997 03 22.12138	09 53 54.27	+13 05 35.4	19.3 V	709
1997 FD	1997 03 22.12698	09 53 54.24	+13 05 39.1	19.3 V	709
1997 FD	1997 03 22.13313	09 53 54.06	+13 05 41.4	19.4 V	F 709
1997 FD	1997 03 28.18584	09 51 59.41	+13 36 45.8	19.0 V	709
1997 FD	1997 03 28.19326	09 51 59.31	+13 36 47.6	18.9 V	709
1997 FD	1997 03 28.19920	09 51 59.17	+13 36 49.1	19.0 V	709
1997 FD	1997 03 28.20575	09 51 59.11	+13 36 50.8	19.0 V	709
1997 FD	1997 03 28.21216	09 51 59.01	+13 36 52.7	18.9 V	709
1997 FD	1997 04 15.15083	09 53 33.92	+14 22 02.3	19.1 V	T 709
1997 FD	1997 04 15.15748	09 53 34.13	+14 22 02.8	19.3 V	709
1997 FD	1997 04 15.16446	09 53 34.27	+14 22 03.0	19.3 V	709
1997 FD	1997 04 15.17138	09 53 34.41	+14 22 04.1	19.3 V	T 709

710 Florissant

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0.25-m *f*/6.3 Schmidt-Cassegrain

GSC

(154)	1997 03 30.13264	12 17 05.84	+19 19 20.6	710
(154)	1997 03 30.15799	12 17 04.40	+19 19 19.0	710
(154)	1997 03 31.12101	12 16 08.98	+19 17 50.7	710
(154)	1997 03 31.14167	12 16 07.66	+19 17 50.5	710
(779)	1997 03 30.14722	09 17 56.93	+00 06 44.1	710
(779)	1997 03 30.16944	09 17 56.50	+00 06 48.3	710
(779)	1997 03 31.13160	09 17 40.40	+00 10 05.7	710
(779)	1997 03 31.15313	09 17 39.95	+00 10 09.9	710
(1107)	1997 03 30.14977	11 40 06.20	+12 28 26.1	710
(1107)	1997 03 30.17222	11 40 05.32	+12 28 31.5	710
(1107)	1997 03 31.13368	11 39 27.43	+12 32 00.7	710
(1107)	1997 03 31.15521	11 39 26.71	+12 32 12.0	710
(4374)	1997 03 11.15671	10 28 16.78	+11 30 24.6	710

(4374)	1997 03 11.21100	10 28 14.34	+11 30 51.2	710	1995 DA ₂	1997 03 13.19344	08 52 41.13	+18 03 38.5	711
(4374)	1997 03 13.15313	10 26 55.30	+11 46 22.4	710	1995 DB ₂	1997 03 13.15109	08 53 48.06	+17 42 53.8	711
(4374)	1997 03 13.18003	10 26 54.17	+11 46 34.9	710	1995 DB ₂	1997 03 13.22088	08 53 47.99	+17 42 54.3	711
(4569)	1997 03 11.16736	08 35 57.45	-00 41 15.8	710	1995 DB ₂	1997 03 13.22909	08 53 47.99	+17 42 55.6	711
(4569)	1997 03 11.21510	08 35 56.51	-00 40 50.5	710	1995 DW ₂	1997 03 12.33173	12 55 19.36	-04 40 47.3	711
(4569)	1997 03 13.15706	08 35 25.36	-00 23 19.5	710	1995 DW ₂	1997 03 12.33953	12 55 19.28	-04 40 47.1	711
(4569)	1997 03 13.18333	08 35 24.92	-00 23 05.3	710	1995 DW ₂	1997 03 12.34723	12 55 19.25	-04 40 46.3	711
(4570)	1997 03 11.21892	09 05 12.50	+19 41 37.4	710	1995 DW ₂	1997 03 12.35489	12 55 19.18	-04 40 46.0	711
(4570)	1997 03 11.24826	09 05 11.50	+19 41 33.4	710	1995 DW ₂	1997 03 13.24866	12 55 12.01	-04 39 56.0	711
(4570)	1997 03 13.16094	09 04 14.79	+19 37 28.7	710	1995 DW ₂	1997 03 13.31969	12 55 11.45	-04 39 51.7	711
(4570)	1997 03 13.18785	09 04 14.04	+19 37 24.8	710	1995 DW ₂	1997 03 13.32739	12 55 11.37	-04 39 51.8	711
(5139)	1997 03 11.18715	10 08 19.14	+15 56 41.8	710	1995 DW ₂	1997 03 13.33512	12 55 11.30	-04 39 51.2	711
(5139)	1997 03 11.22766	10 08 17.31	+15 56 49.1	710	1995 DW ₂	1997 03 13.34284	12 55 11.24	-04 39 50.8	711
(5139)	1997 03 13.17049	10 06 54.28	+16 02 40.6	710	1995 GO	1997 03 16.42272	13 24 19.24	-14 52 27.4	711
(5357)	1997 03 11.19039	10 04 07.79	+03 28 59.7	710	1995 GO	1997 03 16.43599	13 24 19.06	-14 52 27.1	711
(5357)	1997 03 11.23166	10 04 05.93	+03 29 07.6	710	1995 GO	1997 03 17.40378	13 24 05.71	-14 51 55.7	711
(5357)	1997 03 13.17587	10 02 43.38	+03 34 45.6	710	1995 GO	1997 03 17.41725	13 24 05.53	-14 51 55.0	711
(5357)	1997 03 13.19566	10 02 42.54	+03 34 49.0	710	1995 UY ₄₄	1997 03 16.29306	11 22 08.65	+15 55 29.9	711
					1995 UY ₄₄	1997 03 16.30670	11 22 07.89	+15 55 32.1	711
					1995 UY ₄₄	1997 03 17.25145	11 21 13.42	+15 58 23.1	711
					1995 UY ₄₄	1997 03 17.26459	11 21 12.72	+15 58 25.0	711
					1996 RG ₃	1997 03 16.47281	15 04 04.76	-11 11 02.8	711
					1996 RG ₃	1997 03 16.48073	15 04 03.65	-11 10 54.8	711
					1996 RG ₃	1997 03 17.45404	15 01 56.27	-10 55 04.7	711
					1996 RG ₃	1997 03 17.46200	15 01 55.16	-10 54 56.8	711
					1997 CZ ₅	1997 03 16.10195	05 58 31.72	+07 13 10.5	711
					1997 CZ ₅	1997 03 16.10804	05 58 32.60	+07 13 05.4	711
					1997 CZ ₅	1997 03 17.12835	06 01 01.22	+06 58 58.7	711
					1997 CZ ₅	1997 03 17.13140	06 01 01.67	+06 58 55.8	711
					1997 CU ₂₆	1997 03 16.17636	08 25 27.72	+15 42 42.5	711
					1997 CU ₂₆	1997 03 16.27478	08 25 26.96	+15 42 43.3	711
					1997 CU ₂₆	1997 03 17.16228	08 25 20.59	+15 42 49.8	711
					1997 CU ₂₆	1997 03 17.16800	08 25 20.55	+15 42 49.8	711
					(699)	1997 03 16.20356	08 30 24.79	-00 38 29.8	711
					(699)	1997 03 16.21844	08 30 24.44	-00 38 25.1	711
					(699)	1997 03 17.17330	08 30 05.62	-00 33 22.8	711
					(699)	1997 03 17.17848	08 30 05.52	-00 33 21.3	711
					(1009)	1997 03 16.33487	12 08 06.69	-19 20 48.5	711
					(1009)	1997 03 16.34802	12 08 05.90	-19 20 41.9	711
					(1627)	1997 03 16.12284	07 53 36.18	+21 25 04.6	711
					(1627)	1997 03 16.13263	07 53 36.09	+21 25 05.9	711
					(1627)	1997 03 17.14112	07 53 26.03	+21 27 39.4	711
					(1627)	1997 03 17.14549	07 53 25.98	+21 27 40.1	711
					(1685)	1997 03 16.36640	12 30 32.90	-26 23 13.4	711
					(1685)	1997 03 16.36929	12 30 32.53	-26 23 11.8	711
					(1864)	1997 03 17.19790	09 36 44.64	+35 48 06.3	711
					(1864)	1997 03 17.21108	09 36 43.46	+35 48 01.0	711
					(2204)	1997 03 16.11304	07 13 18.98	+10 18 07.6	711
					(2204)	1997 03 16.11632	07 13 19.32	+10 18 11.0	711
					(2204)	1997 03 17.13442	07 14 57.76	+10 35 44.8	711
					(2204)	1997 03 17.13717	07 14 58.02	+10 35 47.6	711
					(3103)	1997 03 16.25318	09 17 41.63	+36 58 34.5	711
1981 ER ₄₇	1997 03 17.34897	12 31 21.68	-01 13 15.7	711					
1981 ER ₄₇	1997 03 17.36246	12 31 21.05	-01 13 12.5	711					
1987 OA	1997 03 16.35726	12 20 57.31	-03 01 48.7	711					
1987 OA	1997 03 16.36230	12 20 56.45	-03 01 38.6	711					
1987 OA	1997 03 17.33954	12 18 20.93	-02 29 24.3	711					
1987 OA	1997 03 17.37253	12 18 15.53	-02 28 20.0	711					
1988 VJ ₂	1997 03 17.11584	04 50 32.29	+17 18 37.1	711					
1988 VJ ₂	1997 03 17.12301	04 50 33.23	+17 18 38.9	711					
1991 VH	1997 03 17.27440	11 33 48.73	+35 36 43.8	711					
1991 VH	1997 03 17.28065	11 33 48.03	+35 36 55.0	711					
1991 WA	1997 03 16.38769	12 57 06.72	+69 21 42.9	711					
1991 WA	1997 03 16.39774	12 57 04.07	+69 21 50.6	711					
1992 CC ₁	1997 03 17.29855	11 09 42.20	-01 11 55.6	711					
1992 CC ₁	1997 03 17.30545	11 09 41.04	-01 11 58.5	711					
1995 CV	1997 03 15.44398	13 29 50.59	-03 02 04.5	711					
1995 CV	1997 03 15.45710	13 29 50.26	-03 02 02.9	711					
1995 CV	1997 03 16.44913	13 29 28.90	-02 58 43.3	711					
1995 CV	1997 03 16.46226	13 29 28.55	-02 58 40.1	711					
1995 CV	1997 03 17.43043	13 29 07.28	-02 55 24.6	711					
1995 CV	1997 03 17.44350	13 29 06.99	-02 55 21.6	711					
1995 DA ₂	1997 03 13.09311	08 52 41.63	+18 03 36.8	711					
1995 DA ₂	1997 03 13.10179	08 52 41.59	+18 03 37.1	711					
1995 DA ₂	1997 03 13.10983	08 52 41.56	+18 03 36.1	711					
1995 DA ₂	1997 03 13.11757	08 52 41.48	+18 03 37.3	711					
1995 DA ₂	1997 03 13.16230	08 52 41.31	+18 03 37.8	711					
1995 DA ₂	1997 03 13.17014	08 52 41.32	+18 03 38.4	711					
1995 DA ₂	1997 03 13.17810	08 52 41.24	+18 03 37.9	711					

(3103)	1997 03 16.26459	09 17 41.40	+36 58 36.8	711
(3199)	1997 03 16.24404	09 08 45.63	+21 27 12.3	711
(3199)	1997 03 16.28318	09 08 42.62	+21 26 10.3	711
(3199)	1997 03 17.18374	09 07 38.76	+21 02 42.0	711
(3199)	1997 03 17.18869	09 07 38.40	+21 02 34.3	711
(3217)	1997 03 17.22445	09 54 57.09	+13 57 52.7	711
(3217)	1997 03 17.23771	09 54 56.54	+13 57 54.4	711
(3559)	1997 03 17.09882	04 24 40.60	+24 03 08.5	711
(3559)	1997 03 17.10767	04 24 41.58	+24 03 09.9	711
(3567)	1997 03 16.31516	11 28 48.44	-07 31 20.4	711
(3567)	1997 03 16.31882	11 28 48.24	-07 31 19.1	711
(4179)	1997 03 16.15778	08 15 25.73	+20 05 15.8	711
(4179)	1997 03 16.16565	08 15 26.14	+20 05 14.4	711
(4179)	1997 03 17.15457	08 16 21.18	+20 02 24.5	711
(4179)	1997 03 17.15785	08 16 21.35	+20 02 24.0	711
(4954)	1997 03 17.31220	12 11 49.06	-02 27 25.5	711
(4954)	1997 03 17.31769	12 11 48.51	-02 27 24.7	711
(5145)	1997 03 16.40772	13 17 36.76	+19 12 15.5	711
(5145)	1997 03 16.41332	13 17 36.69	+19 12 16.2	711
(5145)	1997 03 17.38818	13 17 24.61	+19 14 23.6	711
(5145)	1997 03 17.39369	13 17 24.54	+19 14 24.3	711

732 Oaxaca

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0.20-m *f*/7.4 reflector + CCD

GSC

(1839)	1997 03 18.26912	13 38 41.89	-01 15 08.7	18.2 R	732
(1839)	1997 03 18.27485	13 38 41.69	-01 15 06.8	17.6 R	732
(1839)	1997 03 18.28027	13 38 41.42	-01 15 06.0	17.6 R	732
(1839)	1997 04 05.22719	13 24 50.45	-00 14 24.3	16.5 R	732
(1839)	1997 04 05.23339	13 24 50.14	-00 14 23.0	16.9 R	732
(1839)	1997 04 05.24135	13 24 49.73	-00 14 21.6	16.2 R	732
(3309)	1997 03 18.29010	14 23 22.45	-01 25 50.4	16.4 R	732
(3309)	1997 03 18.29729	14 23 22.06	-01 25 54.4	16.1 R	732
(3309)	1997 03 18.30316	14 23 21.76	-01 25 57.8	16.1 R	732
(3309)	1997 04 05.25609	14 00 41.41	-04 30 56.7	15.0 R	732
(3309)	1997 04 05.25948	14 00 41.07	-04 30 58.6	14.9 R	732
(3309)	1997 04 05.26249	14 00 40.74	-04 31 00.8	14.9 R	732
(4992)	1997 03 18.24920	12 56 17.28	-22 18 40.8	17.2 R	732
(4992)	1997 03 18.25488	12 56 17.06	-22 18 38.5	17.1 R	732
(4992)	1997 03 18.26063	12 56 16.78	-22 18 37.6	17.4 R	732
(4992)	1997 04 05.20519	12 42 07.27	-20 06 08.2	15.9 R	732
(4992)	1997 04 05.21743	12 42 06.61	-20 06 01.7	15.7 R	732
(6048)	1997 03 10.17199	08 30 54.38	+11 15 58.6	17.9 R	732
(6048)	1997 03 10.17802	08 30 54.22	+11 16 00.5	17.7 R	732
(6048)	1997 03 10.18372	08 30 54.11	+11 16 02.3	17.5 R	732
(6048)	1997 03 25.11333	08 30 10.52	+12 21 38.7	17.8	732
(6048)	1997 03 25.11892	08 30 10.63	+12 21 41.4	18.7	732
(6048)	1997 03 25.12410	08 30 10.60	+12 21 42.1	18.0	732
(6048)	1997 03 26.10897	08 30 20.96	+12 25 10.4	18.4	732
(6048)	1997 03 26.11426	08 30 21.11	+12 25 11.4	17.4	732
(6048)	1997 03 26.11962	08 30 21.10	+12 25 11.7	17.6	732

735 George Observatory, Needville

W. G. Dillon, Fort Bend Astronomy Club, P.O. Box 942, Stafford, TX 77497-0942,

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Measurers E. Dillon, W. G. Dillon, K. Rivich, P. Comba

0.46-m reflector + CCD

GSC

1997 DP	1997 03 14.19236	09 55 45.43	+05 45 00.6	18.9 R	V 735
1997 DP	1997 03 14.21806	09 55 44.58	+05 45 10.1	19.6 R	V 735
1997 DP	1997 03 14.22847	09 55 44.17	+05 45 13.7	18.8 R	F 735
1997 GY ₃	* 1997 04 07.19236	13 19 06.59	-12 47 20.4	19.5 R	735
1997 GY ₃	1997 04 07.20712	13 19 05.77	-12 47 18.5	19.3 R	735
1997 GY ₃	1997 04 07.21979	13 19 04.92	-12 47 17.7	19.3 R	735
(248)	1997 03 14.19236	09 55 54.75	+05 41 33.6	13.2 R	735
(248)	1997 03 14.21806	09 55 53.62	+05 41 41.7	13.2 R	735
(248)	1997 03 14.22847	09 55 53.15	+05 41 45.0	13.2 R	735

748 Van Allen Observatory

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Observer J. Sippel

Measurer R. DeMartino

0.18-m *f*/7 refractor + CCD

GSC

(284)	1997 03 31.17559	08 49 48.36	+06 43 06.0	14.8	748
(485)	1997 03 31.17153	08 41 28.87	+04 59 00.3	11.8	748
(667)	1997 03 20.30645	11 54 57.15	+16 37 18.6	13.5	748
(779)	1997 03 31.11429	09 17 40.58	+00 10 02.2	13.8	748
(779)	1997 03 31.17959	09 17 39.46	+00 10 15.5	13.9	748
(893)	1997 03 20.30949	11 53 28.77	+13 47 44.5	15.0	748
(2048)	1997 03 20.31248	12 01 21.34	+17 40 40.3	15.4	748

750 Hobbs Observatory, Fall Creek

R. Elliott, S475 County Road K, Fall Creek, WI 54742, U.S.A.

[elliottb@uwec.edu]

0.60-m *f*/5 reflector + CCD

GSC

(491)	1997 03 19.31042	14 22 52.80	-01 10 02.4	14.8	750
(491)	1997 03 19.33056	14 22 52.37	-01 09 52.7	15.0	750
(916)	1997 03 19.20139	09 51 48.48	+10 39 27.4	15.6	750
(916)	1997 03 19.21389	09 51 47.94	+10 39 28.9	15.5	750
(1657)	1997 03 19.24653	12 11 49.21	+46 44 43.4	15.0	750
(1657)	1997 03 19.25278	12 11 48.90	+46 44 45.5	14.9	750
(2204)	1997 03 19.11667	07 18 12.57	+11 08 41.6	15.0	750
(2204)	1997 03 19.14167	07 18 14.98	+11 09 06.1	15.3	750
(3309)	1997 03 19.28958	14 22 32.25	-01 35 06.8	15.4	750
(3309)	1997 03 19.29514	14 22 31.96	-01 35 09.7	15.5	750
(3309)	1997 03 19.31944	14 22 30.62	-01 35 23.4	16.1	750

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7 = 3 + 4

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Observers U. Carsenty, E. Elst, C.-I. Lagerkvist, S. Mottola, G. Pizarro,
O. Pizarro, M. Lindgren

Measurers E. W. Elst, O. Hernius, C.-I. Lagerkvist

1.0-m Schmidt, 0.60-m Bochum $f/15$ reflector + CCD

1973 SY	1996 09 12.24722	23 57 27.11	+05 17 06.8	8 809	1993 QU ₄	1993 08 15.28403	23 42 30.33	-02 29 53.9	4 809
1973 SY	1996 09 13.10519	23 57 03.91	+05 13 15.5	8 809	1993 QH ₇	1993 08 15.25764	23 32 09.83	-04 07 52.7	18.4 4 809
1973 SY	1996 09 13.10741	23 57 03.84	+05 13 14.9	8 809	1993 QH ₇	1993 08 15.27083	23 32 09.46	-04 07 57.4	4 809
1973 SY	1996 09 14.19194	23 56 34.13	+05 08 20.1	8 809	1993 QH ₇	1993 08 15.28403	23 32 09.01	-04 08 00.7	4 809
1973 SY	1996 09 14.19406	23 56 34.07	+05 08 19.5	8 809	1994 PD ₄₀	* 1994 08 12.23611	23 14 56.31	-07 06 57.1	20.0 4 809
1973 SY	1996 09 21.35181	23 53 15.14	+04 34 42.1	8 809	1994 PD ₄₀	1994 08 12.24792	23 14 55.91	-07 07 00.3	4 809
1973 SY	1996 09 21.35395	23 53 15.07	+04 34 41.5	8 809	1994 PD ₄₀	1994 08 12.25972	23 14 55.57	-07 07 01.9	4 809
1973 SD ₁	1996 09 14.22986	00 12 16.17	+00 20 31.0	8 809	1994 PD ₄₀	1994 09 06.21667	22 58 27.43	-08 52 47.4	7 809
1973 SE ₁	1996 09 13.29861	00 23 55.70	+00 35 07.2	8 809	1994 PD ₄₀	1994 09 06.22986	22 58 26.82	-08 52 51.0	7 809
1973 SE ₁	1996 09 14.22986	00 23 29.24	+00 32 38.9	8 809	1994 PD ₄₀	1994 09 06.24306	22 58 26.38	-08 52 52.8	7 809
1973 SO ₁	1996 09 13.10069	22 48 45.60	-04 56 46.4	8 809	1994 PE ₄₀	* 1994 08 10.29583	22 47 07.88	-05 03 54.7	18.5 4 809
1973 SO ₁	1996 09 14.05788	22 48 19.80	-05 00 21.4	8 809	1994 PE ₄₀	1994 08 10.30764	22 47 07.35	-05 03 56.9	4 809
1973 SO ₁	1996 09 14.06068	22 48 19.72	-05 00 22.2	8 809	1994 PE ₄₀	1994 08 10.31944	22 47 06.77	-05 03 57.1	4 809
1973 SO ₁	1996 09 14.18819	22 48 16.28	-05 00 50.4	8 809	1995 OK ₈	1996 09 16.12292	23 31 49.96	+03 41 00.2	8 809
1973 SO ₁	1996 09 15.03324	22 47 53.70	-05 03 59.6	8 809	1995 OK ₈	1996 09 16.17361	23 31 48.82	+03 40 53.0	8 809
1973 SO ₁	1996 09 15.03534	22 47 53.64	-05 04 00.1	8 809	1995 YB ₂	1993 10 10.11979	00 59 44.94	+08 45 01.2	18.6 7 809
1983 RP ₂	1996 05 22.16944	15 02 42.60	-10 13 25.7	18.4 4 809	1995 YB ₂	1993 10 10.14063	00 59 44.13	+08 44 57.1	7 809
1983 RP ₂	1996 05 22.18264	15 02 41.80	-10 13 22.5	4 809	1995 YB ₂	1993 10 10.16146	00 59 43.42	+08 44 52.5	7 809
1983 RP ₂	1996 05 22.19583	15 02 41.07	-10 13 20.2	4 809	1996 HJ ₁₂	1996 05 22.06597	14 10 51.87	-13 14 05.7	4 809
1983 RP ₂	1996 05 24.16042	15 00 50.04	-10 06 26.7	4 809	1996 HJ ₁₂	1996 05 22.07917	14 10 51.08	-13 14 03.8	4 809
1983 RP ₂	1996 05 24.17361	15 00 49.21	-10 06 24.3	4 809	1996 HJ ₁₂	1996 05 22.09236	14 10 50.50	-13 14 02.6	4 809
1983 RP ₂	1996 05 24.18681	15 00 48.43	-10 06 22.2	4 809	1996 RU	1996 09 12.29722	00 32 32.28	+05 16 42.6	8 809
1988 RV ₁₂	1996 09 16.06944	23 09 26.29	+01 09 57.6	8 809	1996 RU	1996 09 13.16370	00 32 00.73	+05 14 24.1	8 809
1988 RV ₁₂	1996 09 17.23125	23 08 48.90	+01 03 18.0	8 809	1996 RU	1996 09 13.16582	00 32 00.64	+05 14 23.8	8 809
1989 UA ₆	1996 09 10.11667	22 51 49.86	-12 31 10.4	8 809	1996 RU	1996 09 14.24259	00 31 19.00	+05 11 20.0	8 809
1989 UA ₆	1996 09 11.20685	22 51 08.50	-12 34 43.7	8 809	1996 RU	1996 09 14.24484	00 31 18.90	+05 11 19.6	8 809
1989 UA ₆	1996 09 12.10764	22 50 34.89	-12 37 37.3	8 809	1996 RU	1996 09 16.30764	00 29 55.74	+05 04 56.6	8 809
1990 VU ₃	1992 03 01.28750	11 17 47.62	+05 19 32.5	17.5 8 809	1996 RN ₇	1996 09 13.24583	23 59 28.95	-00 23 49.9	8 809
1990 VU ₃	1992 03 06.23750	11 13 54.30	+05 46 27.7	16.4 8 809	1996 RN ₇	1996 09 14.17726	23 59 03.93	-00 27 04.7	8 809
1990 VU ₃	1992 04 07.14618	10 53 05.25	+08 05 12.6	18.8 8 809	1996 RN ₇	1996 09 14.17940	23 59 03.85	-00 27 05.2	8 809
1991 GX ₁	1996 09 10.27917	00 07 27.80	+12 17 36.0	8 809	1996 RN ₇	1996 09 16.27361	23 58 06.93	-00 34 21.7	8 809
1991 GX ₁	1996 09 11.34440	00 06 57.25	+12 15 39.0	8 809	1996 RH ₁₀	1996 09 11.19028	23 11 49.03	-08 17 35.2	8 809
1992 EU ₇	1992 04 06.15243	10 47 49.60	+14 06 23.1	17.8 8 809	1996 RR ₁₀	1996 09 11.19028	22 53 07.50	-08 58 37.8	8 809
1992 WU ₁	1996 09 10.27917	00 08 27.87	+11 08 00.2	8 809	1996 RD ₁₂	1996 09 11.19028	23 12 31.37	-08 59 57.3	8 809
1992 WU ₁	1996 09 14.34861	00 06 31.97	+10 52 10.7	8 809	1996 RD ₁₂	1996 09 12.09428	23 12 03.44	-09 01 52.2	8 809
1993 QL ₄	1993 08 15.25764	23 38 19.74	-04 14 13.1	18.2 4 809	1996 RD ₁₂	1996 09 12.09590	23 12 03.39	-09 01 52.4	8 809
1993 QL ₄	1993 08 15.27083	23 38 19.50	-04 14 18.5	4 809	1996 RD ₁₂	1996 09 13.22603	23 11 28.50	-09 04 14.0	8 809
1993 QL ₄	1993 08 15.28403	23 38 19.27	-04 14 22.1	4 809	1996 RD ₁₂	1996 09 13.22814	23 11 28.43	-09 04 14.3	8 809
1993 QN ₄	1993 08 15.25764	23 39 02.87	-05 37 14.1	18.2 4 809	1996 RD ₁₂	1996 09 14.06458	23 11 03.12	-09 05 54.5	8 809
1993 QN ₄	1993 08 15.27083	23 39 02.50	-05 37 19.7	4 809	1996 RD ₁₂	1996 09 15.31736	23 10 24.53	-09 08 27.1	8 809
1993 QN ₄	1993 08 15.28403	23 39 02.13	-05 37 26.6	4 809	1996 RD ₁₂	1996 09 17.10764	23 09 29.96	-09 12 04.6	8 809
1993 QU ₄	1993 08 15.25764	23 42 30.94	-02 29 40.6	18.2 4 809	1996 RD ₁₂	1996 09 21.30730	23 07 24.17	-09 19 58.6	8 809
1993 QU ₄	1993 08 15.27083	23 42 30.61	-02 29 47.9	4 809	1996 RO ₁₄	1996 09 21.30943	23 07 24.11	-09 19 58.8	8 809
					1996 RO ₁₄	1996 09 11.19028	22 53 41.89	-09 03 17.9	8 809
					1996 RO ₁₄	1996 09 12.06601	22 53 16.05	-09 05 09.7	8 809
					1996 RO ₁₄	1996 09 12.06751	22 53 16.01	-09 05 09.7	8 809
					1996 RO ₁₄	1996 09 13.21875	22 52 41.95	-09 07 36.4	8 809
					1996 RO ₁₄	1996 09 13.22090	22 52 41.89	-09 07 36.6	8 809
					1996 RX ₁₅	1996 09 11.24097	23 48 23.81	+00 03 01.3	8 809
					1996 RX ₁₅	1996 09 12.19861	23 47 55.55	+00 00 28.8	8 809
					1996 RT ₂₀	1996 09 11.24097	23 42 52.84	-00 08 08.0	8 809
					1996 RT ₂₀	1996 09 12.19861	23 42 22.29	-00 06 25.6	8 809

1996 RS ₂₅	1996 09 11.19028	23 11 25.54	-07 40 23.6	8 809	1996 RQ ₂₇	1996 09 15.17426	23 25 40.33	+00 07 43.8	8 809
1996 RS ₂₅	1996 09 16.21458	23 08 38.34	-07 48 30.4	8 809	1996 RQ ₂₇	1996 09 15.17654	23 25 40.22	+00 07 40.1	8 809
1996 RS ₂₅	1996 09 17.10764	23 08 09.03	-07 49 51.3	8 809	1996 RR ₂₇	* 1996 09 10.22917	23 30 12.03	-02 17 31.4	8 809
1996 RY ₂₆	* 1996 09 10.11667	22 35 42.41	-10 32 43.7	8 809	1996 RR ₂₇	1996 09 13.19583	23 28 36.01	-02 23 41.2	8 809
1996 RY ₂₆	1996 09 11.13412	22 35 01.46	-10 37 13.6	8 809	1996 RS ₂₇	* 1996 09 10.22917	23 30 23.60	+00 18 41.1	8 809
1996 RY ₂₆	1996 09 11.13825	22 35 01.29	-10 37 14.6	8 809	1996 RS ₂₇	1996 09 13.19583	23 28 59.57	+00 06 34.3	8 809
1996 RY ₂₆	1996 09 12.10764	22 34 22.78	-10 41 26.0	8 809	1996 RT ₂₇	* 1996 09 10.22917	23 31 17.89	+00 38 11.6	8 809
1996 RZ ₂₆	* 1996 09 10.11667	22 37 48.27	-10 15 34.4	8 809	1996 RT ₂₇	1996 09 13.19583	23 29 51.66	+00 29 55.1	8 809
1996 RZ ₂₆	1996 09 12.10764	22 36 32.90	-10 19 58.3	8 809	1996 RU ₂₇	* 1996 09 10.22917	23 35 37.82	-01 38 00.7	8 809
1996 RA ₂₇	* 1996 09 10.11667	22 39 15.49	-11 42 25.6	8 809	1996 RU ₂₇	1996 09 13.19583	23 34 12.80	-01 47 48.8	8 809
1996 RA ₂₇	1996 09 12.10764	22 37 53.65	-11 51 08.1	8 809	1996 RV ₂₇	* 1996 09 10.22917	23 35 42.71	+01 07 17.3	8 809
1996 RB ₂₇	* 1996 09 10.11667	22 41 42.77	-12 37 26.1	8 809	1996 RV ₂₇	1996 09 11.24881	23 35 09.82	+01 05 55.8	8 809
1996 RB ₂₇	1996 09 12.10764	22 40 46.68	-12 43 10.5	8 809	1996 RV ₂₇	1996 09 11.25177	23 35 09.72	+01 05 55.7	8 809
1996 RC ₂₇	* 1996 09 10.11667	22 42 37.18	-08 36 06.7	8 809	1996 RV ₂₇	1996 09 13.19583	23 34 07.14	+01 03 19.4	8 809
1996 RC ₂₇	1996 09 12.06250	22 41 43.83	-08 42 16.9	8 809	1996 RV ₂₇	1996 09 13.31852	23 34 03.06	+01 03 08.4	8 809
1996 RC ₂₇	1996 09 12.10764	22 41 42.56	-08 42 25.2	8 809	1996 RV ₂₇	1996 09 13.32068	23 34 02.99	+01 03 08.2	8 809
1996 RC ₂₇	1996 09 13.05208	22 41 17.00	-08 45 22.9	8 809	1996 RV ₂₇	1996 09 22.10645	23 29 20.30	+00 50 33.4	8 809
1996 RD ₂₇	* 1996 09 10.11667	22 45 32.98	-08 35 24.5	8 809	1996 RV ₂₇	1996 09 22.10856	23 29 20.24	+00 50 33.3	8 809
1996 RD ₂₇	1996 09 12.10764	22 41 51.25	-08 07 44.5	8 809	1996 RW ₂₇	* 1996 09 10.22917	23 36 09.85	+00 45 05.3	8 809
1996 RE ₂₇	* 1996 09 10.11667	22 48 54.88	-11 57 23.3	8 809	1996 RW ₂₇	1996 09 13.19583	23 34 49.54	+00 31 14.4	8 809
1996 RE ₂₇	1996 09 12.10764	22 47 59.23	-12 06 05.4	8 809	1996 RX ₂₇	* 1996 09 10.22917	23 36 47.40	+01 37 04.2	8 809
1996 RF ₂₇	* 1996 09 10.17778	22 48 05.95	+01 42 50.9	8 809	1996 RX ₂₇	1996 09 13.19583	23 35 17.92	+01 29 52.1	8 809
1996 RF ₂₇	1996 09 15.28889	22 45 48.99	+01 20 10.7	8 809	1996 RY ₂₇	* 1996 09 10.22917	23 37 12.61	+00 36 48.2	8 809
1996 RG ₂₇	* 1996 09 10.17778	22 48 18.58	+00 03 05.8	8 809	1996 RY ₂₇	1996 09 11.26437	23 36 50.15	+00 33 47.4	8 809
1996 RG ₂₇	1996 09 15.28889	22 45 52.76	-00 11 16.6	8 809	1996 RY ₂₇	1996 09 13.19583	23 36 08.05	+00 27 49.3	8 809
1996 RH ₂₇	* 1996 09 10.17778	22 49 20.79	+02 08 36.3	8 809	1996 RY ₂₇	1996 09 13.33323	23 36 04.13	+00 27 23.4	8 809
1996 RH ₂₇	1996 09 15.28889	22 46 27.33	+02 03 08.5	8 809	1996 RY ₂₇	1996 09 13.33637	23 36 04.04	+00 27 22.8	8 809
1996 RJ ₂₇	* 1996 09 10.17778	22 51 01.09	+02 56 30.4	8 809	1996 RZ ₂₇	* 1996 09 10.22917	23 39 26.38	+02 06 09.7	8 809
1996 RJ ₂₇	1996 09 15.28889	22 48 29.16	+02 37 29.0	8 809	1996 RZ ₂₇	1996 09 13.19583	23 37 58.96	+01 58 29.3	8 809
1996 RK ₂₇	* 1996 09 10.17778	22 52 08.57	-01 34 00.5	8 809	1996 RA ₂₈	* 1996 09 10.22917	23 40 17.48	-00 46 08.2	8 809
1996 RK ₂₇	1996 09 13.10021	22 50 46.91	-01 46 43.4	8 809	1996 RA ₂₈	1996 09 13.19583	23 35 18.55	-00 16 01.2	8 809
1996 RK ₂₇	1996 09 14.18819	22 50 16.79	-01 51 28.6	8 809	1996 RA ₂₈	1996 09 14.16944	23 33 39.46	-00 06 13.8	8 809
1996 RK ₂₇	1996 09 15.04142	22 49 53.46	-01 55 11.4	8 809	1996 RA ₂₈	1996 09 14.17155	23 33 39.23	-00 06 12.5	8 809
1996 RK ₂₇	1996 09 15.04355	22 49 53.40	-01 55 12.0	8 809	1996 RA ₂₈	1996 09 14.32794	23 33 22.73	-00 04 38.0	8 809
1996 RK ₂₇	1996 09 15.28889	22 49 46.60	-01 56 16.9	8 809	1996 RA ₂₈	1996 09 15.18005	23 31 56.31	+00 03 54.5	8 809
1996 RL ₂₇	* 1996 09 10.17778	22 56 19.61	-00 54 21.3	8 809	1996 RA ₂₈	1996 09 15.18234	23 31 56.07	+00 03 55.9	8 809
1996 RL ₂₇	1996 09 15.28889	22 54 02.68	-01 15 05.8	8 809	1996 RB ₂₈	* 1996 09 10.27917	00 11 15.42	+09 57 08.7	8 809
1996 RM ₂₇	* 1996 09 10.17778	22 57 14.04	+01 44 51.4	8 809	1996 RB ₂₈	1996 09 14.30764	00 09 32.54	+09 46 19.9	8 809
1996 RM ₂₇	1996 09 15.28889	22 54 22.70	+01 37 16.6	8 809	1996 RC ₂₈	* 1996 09 10.27917	00 20 00.47	+07 29 29.6	8 809
1996 RN ₂₇	* 1996 09 10.22917	23 22 44.94	-02 38 14.5	8 809	1996 RC ₂₈	1996 09 12.29722	00 17 55.06	+07 40 33.8	8 809
1996 RN ₂₇	1996 09 13.19583	23 21 07.12	-02 43 14.2	8 809	1996 RD ₂₈	* 1996 09 10.27917	00 22 28.09	+12 33 42.0	8 809
1996 RO ₂₇	* 1996 09 10.22917	23 24 01.14	-00 52 02.5	8 809	1996 RD ₂₈	1996 09 14.30764	00 20 35.09	+12 25 18.4	8 809
1996 RO ₂₇	1996 09 13.15139	23 22 32.78	-00 59 23.3	8 809	1996 RE ₂₈	* 1996 09 10.27917	00 24 57.14	+12 42 23.3	8 809
1996 RO ₂₇	1996 09 13.19583	23 22 31.46	-00 59 29.4	8 809	1996 RE ₂₈	1996 09 14.30764	00 23 11.65	+12 31 58.9	8 809
1996 RO ₂₇	1996 09 14.27361	23 21 58.98	-01 02 13.1	8 809	1996 RF ₂₈	* 1996 09 11.07639	22 19 31.33	-04 03 05.1	8 809
1996 RP ₂₇	* 1996 09 10.22917	23 26 52.48	-02 15 16.1	8 809	1996 RF ₂₈	1996 09 13.00436	22 18 38.70	-04 09 14.0	8 809
1996 RP ₂₇	1996 09 13.19583	23 25 32.20	-02 28 46.8	8 809	1996 RF ₂₈	1996 09 13.00663	22 18 38.65	-04 09 14.4	8 809
1996 RQ ₂₇	* 1996 09 10.22917	23 29 36.59	+02 16 58.7	8 809	1996 RG ₂₈	* 1996 09 11.07639	22 22 27.61	-01 06 16.5	8 809
1996 RQ ₂₇	1996 09 13.19583	23 27 14.73	+00 59 34.0	8 809	1996 RG ₂₈	1996 09 15.20764	22 20 21.06	-01 11 11.0	8 809
1996 RQ ₂₇	1996 09 14.16128	23 26 28.61	+00 34 16.2	8 809	1996 RH ₂₈	* 1996 09 11.07639	22 25 17.63	-01 34 37.5	8 809
1996 RQ ₂₇	1996 09 14.16340	23 26 28.50	+00 34 13.0	8 809	1996 RH ₂₈	1996 09 15.20764	22 23 20.75	-01 47 23.4	8 809
1996 RQ ₂₇	1996 09 14.31019	23 26 20.96	+00 30 22.7	8 809	1996 RJ ₂₈	* 1996 09 11.07639	22 30 36.53	-01 53 30.5	8 809

1996 RJ ₂₈	1996 09 12.03438	22 30 11.76	-01 58 11.9	8 809	1996 RV ₂₈	1996 09 13.23510	23 40 42.21	+03 55 41.8	8 809
1996 RJ ₂₈	1996 09 12.03587	22 30 11.73	-01 58 12.6	8 809	1996 RV ₂₈	1996 09 16.17361	23 39 16.78	+03 45 55.4	8 809
1996 RJ ₂₈	1996 09 13.19947	22 29 41.61	-02 03 55.6	8 809	1996 RV ₂₈	1996 09 21.32858	23 36 46.46	+03 28 10.8	8 809
1996 RJ ₂₈	1996 09 13.20161	22 29 41.55	-02 03 56.2	8 809	1996 RV ₂₈	1996 09 21.33078	23 36 46.40	+03 28 10.3	8 809
1996 RJ ₂₈	1996 09 15.20764	22 28 50.90	-02 13 48.1	8 809	1996 RW ₂₈	* 1996 09 11.24097	23 46 30.84	-00 34 30.4	8 809
1996 RJ ₂₈	1996 09 21.04203	22 26 31.65	-02 42 10.7	8 809	1996 RW ₂₈	1996 09 12.19861	23 46 05.36	-00 40 20.8	8 809
1996 RJ ₂₈	1996 09 21.04417	22 26 31.60	-02 42 11.4	8 809	1996 RX ₂₈	* 1996 09 11.24097	23 46 49.81	+01 25 47.5	8 809
1996 RK ₂₈	* 1996 09 11.07639	22 34 33.47	-02 01 32.9	8 809	1996 RX ₂₈	1996 09 12.19861	23 46 23.86	+01 21 16.9	8 809
1996 RK ₂₈	1996 09 12.02887	22 34 07.69	-02 04 29.5	8 809	1996 RY ₂₈	* 1996 09 11.24097	23 48 15.79	+02 14 22.6	8 809
1996 RK ₂₈	1996 09 12.03030	22 34 07.64	-02 04 29.9	8 809	1996 RY ₂₈	1996 09 12.19861	23 47 46.46	+02 12 15.2	8 809
1996 RK ₂₈	1996 09 13.19257	22 33 36.29	-02 08 07.6	8 809	1996 RZ ₂₈	* 1996 09 11.24097	23 48 51.29	+03 18 19.7	8 809
1996 RK ₂₈	1996 09 13.19492	22 33 36.23	-02 08 08.0	8 809	1996 RZ ₂₈	1996 09 12.19861	23 48 24.26	+03 15 18.7	8 809
1996 RK ₂₈	1996 09 15.20764	22 32 42.88	-02 14 24.8	8 809	1996 RA ₂₉	* 1996 09 11.24097	23 49 13.34	+01 56 25.1	8 809
1996 RL ₂₈	* 1996 09 11.07639	22 36 28.83	-03 59 17.6	8 809	1996 RA ₂₉	1996 09 12.19861	23 48 44.98	+01 53 53.3	8 809
1996 RL ₂₈	1996 09 12.03935	22 36 00.13	-04 01 50.2	8 809	1996 RB ₂₉	* 1996 09 11.24097	23 52 02.56	+02 45 11.8	8 809
1996 RL ₂₈	1996 09 12.04080	22 36 00.10	-04 01 50.4	8 809	1996 RB ₂₉	1996 09 12.19861	23 51 34.08	+02 43 00.8	8 809
1996 RL ₂₈	1996 09 12.06250	22 35 59.45	-04 01 53.1	8 809	1996 RC ₂₉	* 1996 09 11.24097	23 52 47.70	+00 56 18.4	8 809
1996 RL ₂₈	1996 09 13.05208	22 35 30.18	-04 04 25.7	8 809	1996 RC ₂₉	1996 09 12.12186	23 52 22.87	+00 53 23.2	8 809
1996 RL ₂₈	1996 09 13.20622	22 35 25.53	-04 04 50.3	8 809	1996 RC ₂₉	1996 09 12.12337	23 52 22.82	+00 53 23.1	8 809
1996 RL ₂₈	1996 09 13.20844	22 35 25.47	-04 04 50.7	8 809	1996 RC ₂₉	1996 09 12.19861	23 52 20.64	+00 53 07.8	8 809
1996 RL ₂₈	1996 09 15.20764	22 34 27.38	-04 09 55.1	8 809	1996 RC ₂₉	1996 09 13.25492	23 51 50.55	+00 49 37.2	8 809
1996 RM ₂₈	* 1996 09 11.12986	22 42 04.05	-17 10 03.8	8 809	1996 RC ₂₉	1996 09 13.25708	23 51 50.49	+00 49 36.8	8 809
1996 RM ₂₈	1996 09 14.10486	22 40 41.58	-17 20 42.4	8 809	1996 RC ₂₉	1996 09 21.33801	23 47 57.45	+00 22 02.9	8 809
1996 RN ₂₈	* 1996 09 11.12986	22 49 27.73	-14 09 10.6	8 809	1996 RC ₂₉	1996 09 21.34022	23 47 57.38	+00 22 02.4	8 809
1996 RN ₂₈	1996 09 12.17440	22 48 56.82	-14 11 26.4	8 809	1996 RD ₂₉	* 1996 09 11.24097	23 53 33.62	+01 51 36.9	8 809
1996 RN ₂₈	1996 09 12.17650	22 48 56.77	-14 11 26.5	8 809	1996 RD ₂₉	1996 09 12.11627	23 53 10.11	+01 48 26.7	8 809
1996 RN ₂₈	1996 09 14.10486	22 48 00.45	-14 15 29.4	8 809	1996 RD ₂₉	1996 09 12.11767	23 53 10.05	+01 48 26.1	8 809
1996 RN ₂₈	1996 09 14.13816	22 47 59.38	-14 15 34.6	8 809	1996 RD ₂₉	1996 09 12.19861	23 53 07.80	+01 48 08.9	8 809
1996 RN ₂₈	1996 09 14.14116	22 47 59.29	-14 15 35.0	8 809	1996 RD ₂₉	1996 09 13.24661	23 52 39.47	+01 44 20.0	8 809
1996 RO ₂₈	* 1996 09 11.12986	22 56 51.54	-16 47 51.9	8 809	1996 RD ₂₉	1996 09 13.24887	23 52 39.42	+01 44 19.5	8 809
1996 RO ₂₈	1996 09 12.20524	22 56 21.01	-16 51 11.8	8 809	1996 RD ₂₉	1996 09 21.34351	23 48 57.53	+01 14 10.6	8 809
1996 RO ₂₈	1996 09 12.20683	22 56 20.97	-16 51 12.1	8 809	1996 RD ₂₉	1996 09 21.34568	23 48 57.45	+01 14 10.0	8 809
1996 RO ₂₈	1996 09 13.29966	22 55 50.19	-16 54 31.8	8 809	1996 RE ₂₉	* 1996 09 11.24097	23 57 11.72	+01 03 41.3	8 809
1996 RO ₂₈	1996 09 13.30088	22 55 50.16	-16 54 32.0	8 809	1996 RE ₂₉	1996 09 12.19861	23 56 45.17	+01 01 02.1	8 809
1996 RO ₂₈	1996 09 14.10486	22 55 27.89	-16 56 58.9	8 809	1996 RF ₂₉	* 1996 09 11.24097	23 58 06.76	-01 01 46.8	8 809
1996 RP ₂₈	* 1996 09 11.12986	22 59 27.25	-15 46 32.8	8 809	1996 RF ₂₉	1996 09 12.19861	23 57 41.94	-01 05 37.0	8 809
1996 RP ₂₈	1996 09 14.10486	22 57 53.37	-15 52 59.5	8 809	1996 RF ₂₉	1996 09 13.24583	23 57 14.58	-01 09 50.8	8 809
1996 RQ ₂₈	* 1996 09 11.12986	23 00 58.52	-15 11 56.7	8 809	1996 RF ₂₉	1996 09 16.27361	23 55 54.71	-01 22 04.6	8 809
1996 RQ ₂₈	1996 09 14.10486	22 59 26.83	-15 17 56.2	8 809	1996 RG ₂₉	* 1996 09 11.29167	00 38 07.60	-02 27 52.0	8 809
1996 RR ₂₈	* 1996 09 11.19028	23 03 39.10	-10 07 24.5	8 809	1996 RG ₂₉	1996 09 15.34653	00 36 25.47	-02 43 51.2	8 809
1996 RR ₂₈	1996 09 17.10764	23 00 55.31	-10 33 03.4	8 809	1996 RH ₂₉	* 1996 09 11.29167	00 38 42.56	-04 19 41.9	8 809
1996 RS ₂₈	* 1996 09 11.19028	23 06 45.04	-07 08 49.5	8 809	1996 RH ₂₉	1996 09 15.34653	00 37 02.09	-04 38 50.8	8 809
1996 RS ₂₈	1996 09 17.10764	23 03 57.51	-07 24 39.0	8 809	1996 RJ ₂₉	* 1996 09 11.29167	00 39 19.46	-03 29 54.9	8 809
1996 RT ₂₈	* 1996 09 11.19028	23 09 33.26	-07 06 27.7	8 809	1996 RJ ₂₉	1996 09 15.34653	00 37 36.11	-03 46 00.6	8 809
1996 RT ₂₈	1996 09 17.10764	23 06 27.49	-07 19 36.7	8 809	1996 RK ₂₉	* 1996 09 11.29167	00 46 52.59	-01 19 16.5	8 809
1996 RU ₂₈	* 1996 09 11.24097	23 41 29.89	+00 03 29.7	8 809	1996 RK ₂₉	1996 09 15.34653	00 45 01.41	-01 33 17.5	8 809
1996 RU ₂₈	1996 09 12.19861	23 40 59.80	+00 01 22.9	8 809	1996 RL ₂₉	* 1996 09 12.06250	22 26 20.84	-05 47 47.9	8 809
1996 RV ₂₈	* 1996 09 11.24097	23 41 40.13	+04 02 04.4	8 809	1996 RL ₂₉	1996 09 13.05208	22 25 47.41	-05 45 57.2	8 809
1996 RV ₂₈	1996 09 12.10376	23 41 15.04	+03 59 22.8	8 809	1996 RM ₂₉	* 1996 09 12.06250	22 31 45.05	-04 32 01.1	8 809
1996 RV ₂₈	1996 09 12.10520	23 41 15.03	+03 59 22.5	8 809	1996 RM ₂₉	1996 09 13.05208	22 31 15.97	-04 34 38.9	8 809
1996 RV ₂₈	1996 09 12.19861	23 41 12.54	+03 58 59.2	8 809	1996 RN ₂₉	* 1996 09 12.06250	22 32 44.10	-06 25 48.8	8 809
1996 RV ₂₈	1996 09 13.23296	23 40 42.28	+03 55 42.1	8 809	1996 RN ₂₉	1996 09 13.05208	22 32 16.67	-06 29 10.7	8 809

1996 RO ₂₉	* 1996 09 12.06250	22 34 41.61	-07 24 27.6	8 809	1996 RG ₃₀	* 1996 09 12.15417	23 16 51.69	-15 00 40.0	8 809
1996 RO ₂₉	1996 09 13.05208	22 34 13.32	-07 27 02.1	8 809	1996 RG ₃₀	1996 09 13.08682	23 16 21.91	-15 02 27.2	8 809
1996 RP ₂₉	* 1996 09 12.06250	22 40 18.72	-07 59 42.2	8 809	1996 RG ₃₀	1996 09 13.08863	23 16 21.86	-15 02 27.5	8 809
1996 RP ₂₉	1996 09 13.05208	22 39 49.90	-08 01 52.1	8 809	1996 RG ₃₀	1996 09 14.29294	23 15 43.87	-15 04 19.2	8 809
1996 RQ ₂₉	* 1996 09 12.06250	22 41 35.18	-04 00 39.6	8 809	1996 RG ₃₀	1996 09 16.24306	23 14 41.29	-15 08 10.9	8 809
1996 RQ ₂₉	1996 09 13.05208	22 41 08.96	-04 04 08.6	8 809	1996 RH ₃₀	* 1996 09 12.29722	00 18 51.23	+07 44 59.8	8 809
1996 RS ₂₉	* 1996 09 12.06250	22 45 58.09	-05 06 48.9	8 809	1996 RH ₃₀	1996 09 16.30764	00 16 43.87	+07 39 15.7	8 809
1996 RS ₂₉	1996 09 13.05208	22 45 15.62	-05 09 41.9	8 809	1996 RJ ₃₀	* 1996 09 12.29722	00 18 55.28	+07 25 54.1	8 809
1996 RT ₂₉	* 1996 09 12.15253	00 42 50.24	-04 29 06.5	8 809	1996 RJ ₃₀	1996 09 16.30764	00 16 32.44	+07 16 14.6	8 809
1996 RT ₂₉	1996 09 12.15406	00 42 50.17	-04 29 06.6	8 809	1996 RK ₃₀	* 1996 09 13.10021	22 44 25.07	-06 36 44.8	8 809
1996 RT ₂₉	1996 09 13.27113	00 42 16.06	-04 30 44.1	8 809	1996 RK ₃₀	1996 09 14.05096	22 43 57.47	-06 38 53.3	8 809
1996 RT ₂₉	1996 09 13.27328	00 42 16.00	-04 30 44.1	8 809	1996 RK ₃₀	1996 09 14.05329	22 43 57.39	-06 38 53.6	8 809
1996 RU ₂₉	* 1996 09 12.15417	23 01 28.27	-12 37 03.9	8 809	1996 RK ₃₀	1996 09 14.18819	22 43 53.71	-06 39 08.2	8 809
1996 RU ₂₉	1996 09 16.24306	22 59 28.69	-12 48 49.4	8 809	1996 RK ₃₀	1996 09 15.01715	22 43 29.85	-06 40 59.4	8 809
1996 RV ₂₉	* 1996 09 12.15417	23 02 21.56	-14 47 49.7	8 809	1996 RK ₃₀	1996 09 15.01994	22 43 29.78	-06 40 59.9	8 809
1996 RV ₂₉	1996 09 16.24306	23 00 23.58	-15 03 17.4	8 809	1996 RK ₃₀	1996 09 21.25192	22 40 37.44	-06 54 06.6	8 809
1996 RW ₂₉	* 1996 09 12.15417	23 06 14.19	-11 13 52.1	8 809	1996 RK ₃₀	1996 09 21.25416	22 40 37.38	-06 54 06.8	8 809
1996 RW ₂₉	1996 09 13.02953	23 05 49.81	-11 17 29.1	8 809	1996 RL ₃₀	* 1996 09 13.10021	22 47 13.53	-01 48 54.9	8 809
1996 RW ₂₉	1996 09 13.03172	23 05 49.74	-11 17 29.8	8 809	1996 RL ₃₀	1996 09 14.18819	22 46 36.72	-01 53 32.9	8 809
1996 RW ₂₉	1996 09 14.26729	23 05 15.31	-11 22 33.2	8 809	1996 RM ₃₀	* 1996 09 13.10021	22 49 25.16	-02 06 34.3	8 809
1996 RW ₂₉	1996 09 14.27043	23 05 15.22	-11 22 34.0	8 809	1996 RM ₃₀	1996 09 14.18819	22 48 55.68	-02 09 59.0	8 809
1996 RW ₂₉	1996 09 16.24306	23 04 20.99	-11 30 30.8	8 809	1996 RN ₃₀	* 1996 09 13.10021	22 51 15.71	-04 00 36.2	8 809
1996 RW ₂₉	1996 09 21.29328	23 02 05.18	-11 50 00.4	8 809	1996 RN ₃₀	1996 09 14.18819	22 50 44.75	-04 05 05.9	8 809
1996 RW ₂₉	1996 09 21.29539	23 02 05.13	-11 50 00.9	8 809	1996 RO ₃₀	* 1996 09 13.10021	22 55 37.18	-02 44 35.3	8 809
1996 RX ₂₉	* 1996 09 12.15417	23 06 58.85	-13 51 49.0	8 809	1996 RO ₃₀	1996 09 14.18819	22 55 04.97	-02 46 57.9	8 809
1996 RX ₂₉	1996 09 13.03576	23 06 33.53	-13 54 26.3	8 809	1996 RP ₃₀	* 1996 09 13.10021	22 55 38.80	-02 59 34.4	8 809
1996 RX ₂₉	1996 09 13.03786	23 06 33.48	-13 54 26.7	8 809	1996 RP ₃₀	1996 09 14.18819	22 55 08.31	-03 03 45.3	8 809
1996 RX ₂₉	1996 09 14.27594	23 05 57.77	-13 58 06.1	8 809	1996 RQ ₃₀	* 1996 09 13.10021	22 58 01.93	-04 23 28.1	8 809
1996 RX ₂₉	1996 09 14.27804	23 05 57.71	-13 58 06.5	8 809	1996 RQ ₃₀	1996 09 14.18819	22 57 32.67	-04 29 21.8	8 809
1996 RX ₂₉	1996 09 16.24306	23 05 01.64	-14 03 43.8	8 809	1996 RR ₃₀	* 1996 09 13.10021	22 59 38.62	-04 22 32.4	8 809
1996 RY ₂₉	* 1996 09 12.15417	23 06 59.35	-14 34 28.3	8 809	1996 RR ₃₀	1996 09 14.07917	22 59 11.91	-04 25 34.1	8 809
1996 RY ₂₉	1996 09 16.24306	23 04 56.02	-14 44 07.3	8 809	1996 RR ₃₀	1996 09 14.08132	22 59 11.86	-04 25 34.5	8 809
1996 RZ ₂₉	* 1996 09 12.15417	23 09 00.60	-14 29 38.8	8 809	1996 RR ₃₀	1996 09 14.18819	22 59 08.96	-04 25 54.0	8 809
1996 RZ ₂₉	1996 09 16.24306	23 06 54.03	-14 37 41.1	8 809	1996 RR ₃₀	1996 09 15.04961	22 58 45.67	-04 28 33.5	8 809
1996 RA ₃₀	* 1996 09 12.15417	23 11 38.33	-13 05 37.0	8 809	1996 RR ₃₀	1996 09 15.05317	22 58 45.57	-04 28 34.1	8 809
1996 RA ₃₀	1996 09 13.05172	23 11 08.96	-13 07 09.0	8 809	1996 RR ₃₀	1996 09 21.28587	22 56 00.87	-04 47 28.5	8 809
1996 RA ₃₀	1996 09 13.05389	23 11 08.88	-13 07 09.7	8 809	1996 RR ₃₀	1996 09 21.28803	22 56 00.81	-04 47 28.9	8 809
1996 RA ₃₀	1996 09 14.28273	23 10 28.63	-13 09 11.4	8 809	1996 RS ₃₀	* 1996 09 13.10021	23 00 18.74	-04 39 36.0	8 809
1996 RA ₃₀	1996 09 14.28487	23 10 28.55	-13 09 11.7	8 809	1996 RS ₃₀	1996 09 14.18819	22 59 47.83	-04 43 26.4	8 809
1996 RA ₃₀	1996 09 16.24306	23 09 24.97	-13 12 18.0	8 809	1996 RT ₃₀	* 1996 09 13.10021	23 02 06.46	-01 44 16.2	8 809
1996 RA ₃₀	1996 09 22.08098	23 06 20.11	-13 20 16.0	8 809	1996 RT ₃₀	1996 09 14.18819	23 01 34.13	-01 46 43.5	8 809
1996 RA ₃₀	1996 09 22.08314	23 06 20.05	-13 20 16.2	8 809	1996 RU ₃₀	* 1996 09 13.11366	00 09 21.27	+03 08 58.4	8 809
1996 RB ₃₀	* 1996 09 12.15417	23 13 05.71	-13 23 41.4	8 809	1996 RU ₃₀	1996 09 13.11583	00 09 21.21	+03 08 57.9	8 809
1996 RB ₃₀	1996 09 16.24306	23 10 39.31	-13 29 04.3	8 809	1996 RU ₃₀	1996 09 14.19863	00 08 41.77	+03 05 02.7	8 809
1996 RC ₃₀	* 1996 09 12.15417	23 13 41.21	-14 25 08.7	8 809	1996 RU ₃₀	1996 09 14.20075	00 08 41.69	+03 05 02.3	8 809
1996 RC ₃₀	1996 09 16.24306	23 11 47.55	-14 44 46.8	8 809	1996 RU ₃₀	1996 09 21.35922	00 04 12.56	+02 37 47.8	8 809
1996 RD ₃₀	* 1996 09 12.15417	23 13 46.56	-11 14 58.2	8 809	1996 RU ₃₀	1996 09 21.36134	00 04 12.52	+02 37 47.0	8 809
1996 RD ₃₀	1996 09 16.24306	23 11 41.64	-11 25 52.9	8 809	1996 RV ₃₀	* 1996 09 13.15139	23 04 10.73	-01 34 04.4	8 809
1996 RE ₃₀	* 1996 09 12.15417	23 14 08.25	-14 47 22.1	8 809	1996 RV ₃₀	1996 09 14.27361	23 03 37.32	-01 37 20.9	8 809
1996 RE ₃₀	1996 09 16.24306	23 11 59.85	-14 56 45.7	8 809	1996 RW ₃₀	* 1996 09 13.15139	23 05 53.31	+00 05 17.8	8 809
1996 RF ₃₀	* 1996 09 12.15417	23 15 30.31	-11 49 45.5	8 809	1996 RW ₃₀	1996 09 14.27361	23 05 21.39	+00 01 33.3	8 809
1996 RF ₃₀	1996 09 16.24306	23 13 27.39	-11 59 22.0	8 809	1996 RW ₃₀	1996 09 16.06944	23 04 30.81	-00 04 28.2	8 809

1996 RW ₃₀	1996 09 17.23125	23 03 58.15	-00 08 22.6	8 809	1996 RT ₃₁	* 1996 09 13.29861	00 26 01.46	-00 06 13.2	8 809
1996 RX ₃₀	* 1996 09 13.15139	23 07 44.67	-03 31 10.2	8 809	1996 RT ₃₁	1996 09 14.22986	00 25 36.31	-00 09 03.3	8 809
1996 RX ₃₀	1996 09 14.27361	23 07 10.16	-03 34 10.8	8 809	1996 RU ₃₁	* 1996 09 13.29861	00 34 58.57	+00 50 03.6	8 809
1996 RY ₃₀	* 1996 09 13.15139	23 09 08.65	-04 26 01.6	8 809	1996 RU ₃₁	1996 09 14.24910	00 34 33.72	+00 46 20.9	8 809
1996 RY ₃₀	1996 09 14.27361	23 08 31.15	-04 27 39.2	8 809	1996 RU ₃₁	1996 09 14.25144	00 34 33.68	+00 46 20.4	8 809
1996 RZ ₃₀	* 1996 09 13.15139	23 09 42.07	-03 39 07.3	8 809	1996 RV ₃₁	* 1996 09 14.06458	23 11 12.56	-05 14 02.7	8 809
1996 RZ ₃₀	1996 09 14.10999	23 09 15.01	-03 42 44.8	8 809	1996 RV ₃₁	1996 09 15.31736	23 10 19.17	-05 20 15.3	8 809
1996 RZ ₃₀	1996 09 14.11209	23 09 14.95	-03 42 45.2	8 809	1996 RW ₃₁	* 1996 09 14.06458	23 16 13.27	-05 34 13.3	8 809
1996 RZ ₃₀	1996 09 14.27361	23 09 10.30	-03 43 21.6	8 809	1996 RW ₃₁	1996 09 15.31736	23 15 37.60	-05 38 12.1	8 809
1996 RZ ₃₀	1996 09 15.08738	23 08 47.50	-03 46 26.8	8 809	1996 RX ₃₁	* 1996 09 14.06458	23 17 57.08	-08 29 57.5	8 809
1996 RZ ₃₀	1996 09 15.08956	23 08 47.43	-03 46 27.1	8 809	1996 RX ₃₁	1996 09 15.31736	23 17 22.37	-08 35 18.3	8 809
1996 RZ ₃₀	1996 09 22.08780	23 05 34.69	-04 12 37.1	8 809	1996 RX ₃₁	1996 09 16.04545	23 17 02.53	-08 38 23.1	8 809
1996 RZ ₃₀	1996 09 22.08993	23 05 34.62	-04 12 37.6	8 809	1996 RX ₃₁	1996 09 16.04765	23 17 02.47	-08 38 23.6	8 809
1996 RB ₃₁	* 1996 09 13.15139	23 09 58.94	-02 11 10.1	8 809	1996 RY ₃₁	* 1996 09 14.06458	23 19 48.88	-06 55 55.5	8 809
1996 RB ₃₁	1996 09 14.27361	23 09 27.18	-02 15 02.9	8 809	1996 RY ₃₁	1996 09 15.31736	23 19 10.31	-06 59 44.2	8 809
1996 RC ₃₁	* 1996 09 13.15139	23 10 18.16	-01 22 10.2	8 809	1996 RZ ₃₁	* 1996 09 14.06458	23 19 53.27	-07 11 43.2	8 809
1996 RC ₃₁	1996 09 14.27361	23 09 45.92	-01 25 55.6	8 809	1996 RZ ₃₁	1996 09 15.31736	23 19 14.25	-07 14 46.1	8 809
1996 RD ₃₁	* 1996 09 13.15139	23 10 47.46	-00 20 52.4	8 809	1996 RA ₃₂	* 1996 09 14.06458	23 20 56.77	-06 52 39.0	8 809
1996 RD ₃₁	1996 09 14.12362	23 10 11.58	-00 21 36.1	8 809	1996 RA ₃₂	1996 09 15.31736	23 20 22.04	-06 58 09.2	8 809
1996 RD ₃₁	1996 09 14.12604	23 10 11.48	-00 21 36.2	8 809	1996 RB ₃₂	* 1996 09 14.06458	23 20 56.80	-09 04 21.8	8 809
1996 RD ₃₁	1996 09 14.27361	23 10 05.85	-00 21 42.6	8 809	1996 RB ₃₂	1996 09 15.06597	23 20 28.43	-09 08 00.9	8 809
1996 RE ₃₁	* 1996 09 13.15139	23 11 00.74	-00 58 16.3	8 809	1996 RB ₃₂	1996 09 15.31736	23 20 21.11	-09 08 53.0	8 809
1996 RE ₃₁	1996 09 14.11706	23 10 31.45	-01 00 43.0	8 809	1996 RB ₃₂	1996 09 16.21458	23 19 55.76	-09 12 04.2	8 809
1996 RE ₃₁	1996 09 14.11922	23 10 31.39	-01 00 43.2	8 809	1996 RC ₃₂	* 1996 09 14.06458	23 22 47.46	-05 44 35.3	8 809
1996 RE ₃₁	1996 09 14.27361	23 10 26.61	-01 01 06.1	8 809	1996 RC ₃₂	1996 09 15.31736	23 22 11.25	-05 48 57.3	8 809
1996 RE ₃₁	1996 09 15.10483	23 10 01.55	-01 03 12.8	8 809	1996 RD ₃₂	* 1996 09 14.06458	23 23 23.78	-09 17 15.5	8 809
1996 RE ₃₁	1996 09 15.10704	23 10 01.49	-01 03 13.3	8 809	1996 RD ₃₂	1996 09 15.06597	23 22 52.84	-09 20 14.3	8 809
1996 RF ₃₁	* 1996 09 13.15139	23 12 13.10	-02 59 59.2	8 809	1996 RD ₃₂	1996 09 15.31736	23 22 44.96	-09 20 59.1	8 809
1996 RF ₃₁	1996 09 14.27361	23 11 30.62	-03 00 33.4	8 809	1996 RD ₃₂	1996 09 16.21458	23 22 17.41	-09 23 34.9	8 809
1996 RG ₃₁	* 1996 09 13.15139	23 13 09.53	-00 33 17.3	8 809	1996 RE ₃₂	* 1996 09 14.06458	23 23 46.99	-06 11 42.7	8 809
1996 RG ₃₁	1996 09 14.27361	23 12 36.04	-00 36 20.1	8 809	1996 RE ₃₂	1996 09 15.31736	23 23 12.32	-06 16 18.7	8 809
1996 RH ₃₁	* 1996 09 13.15139	23 18 32.12	-04 30 52.2	8 809	1996 RF ₃₂	* 1996 09 14.06458	23 26 24.07	-08 08 25.2	8 809
1996 RH ₃₁	1996 09 14.27361	23 17 59.49	-04 33 48.5	8 809	1996 RF ₃₂	1996 09 15.31736	23 25 44.62	-08 11 21.0	8 809
1996 RJ ₃₁	* 1996 09 13.15139	23 20 06.02	-00 50 52.4	8 809	1996 RF ₃₂	1996 09 16.21458	23 25 16.61	-08 13 27.3	8 809
1996 RJ ₃₁	1996 09 14.27361	23 19 32.98	-00 55 17.3	8 809	1996 RG ₃₂	* 1996 09 14.06458	23 30 44.50	-04 30 59.6	8 809
1996 RK ₃₁	* 1996 09 13.15139	23 20 15.26	-04 10 03.4	8 809	1996 RG ₃₂	1996 09 14.14583	23 30 42.20	-04 31 05.8	8 809
1996 RK ₃₁	1996 09 14.27361	23 19 32.47	-04 14 11.0	8 809	1996 RG ₃₂	1996 09 15.14726	23 30 11.53	-04 32 59.9	8 809
1996 RM ₃₁	* 1996 09 13.18281	22 20 03.15	+00 34 43.8	8 809	1996 RG ₃₂	1996 09 15.14940	23 30 11.47	-04 33 00.1	8 809
1996 RM ₃₁	1996 09 13.18495	22 20 03.09	+00 34 43.5	8 809	1996 RG ₃₂	1996 09 15.31736	23 30 06.12	-04 33 23.7	8 809
1996 RM ₃₁	1996 09 15.20764	22 18 58.59	+00 26 57.4	8 809	1996 RG ₃₂	1996 09 16.13792	23 29 41.23	-04 34 53.1	8 809
1996 RN ₃₁	* 1996 09 13.24583	23 48 32.75	-01 36 12.4	8 809	1996 RG ₃₂	1996 09 16.14005	23 29 41.16	-04 34 53.3	8 809
1996 RN ₃₁	1996 09 16.27361	23 47 09.28	-01 48 19.4	8 809	1996 RH ₃₂	* 1996 09 14.06458	23 31 06.99	-04 54 16.6	8 809
1996 RO ₃₁	* 1996 09 13.24583	23 52 11.95	-03 13 19.8	8 809	1996 RH ₃₂	1996 09 15.13024	23 30 19.29	-04 58 59.1	8 809
1996 RO ₃₁	1996 09 16.27361	23 50 43.99	-03 23 16.0	8 809	1996 RH ₃₂	1996 09 15.13369	23 30 19.14	-04 59 00.0	8 809
1996 RP ₃₁	* 1996 09 13.24583	23 53 22.34	-05 16 18.8	8 809	1996 RH ₃₂	1996 09 15.31736	23 30 10.52	-04 59 52.5	8 809
1996 RP ₃₁	1996 09 16.27361	23 51 50.08	-05 23 19.7	8 809	1996 RH ₃₂	1996 09 16.13126	23 29 34.47	-05 03 25.2	8 809
1996 RQ ₃₁	* 1996 09 13.24583	23 55 05.35	-02 48 19.7	8 809	1996 RH ₃₂	1996 09 16.13336	23 29 34.37	-05 03 25.7	8 809
1996 RQ ₃₁	1996 09 16.27361	23 53 38.99	-02 58 40.2	8 809	1996 RJ ₃₂	* 1996 09 14.14583	23 37 00.75	-07 13 49.1	8 809
1996 RR ₃₁	* 1996 09 13.24583	23 56 45.44	-01 28 13.2	8 809	1996 RJ ₃₂	1996 09 15.20611	23 36 28.24	-07 16 34.7	8 809
1996 RR ₃₁	1996 09 16.27361	23 55 18.82	-01 38 31.2	8 809	1996 RJ ₃₂	1996 09 15.20875	23 36 28.15	-07 16 34.9	8 809
1996 RS ₃₁	* 1996 09 13.24583	23 59 14.81	-00 55 49.5	8 809	1996 RK ₃₂	* 1996 09 14.14583	23 37 07.64	-06 32 22.6	8 809
1996 RS ₃₁	1996 09 16.27361	23 57 48.46	-01 07 14.0	8 809	1996 RK ₃₂	1996 09 15.19889	23 36 37.78	-06 36 25.8	8 809

1996 RK ₃₂	1996 09 15.20104	23 36 37.72	-06 36 26.3	8 809	1996 RJ ₃₃	1996 09 16.24209	23 47 54.66	-09 24 45.5	8 809
1996 RL ₃₂	* 1996 09 14.14583	23 42 55.62	-06 21 39.0	8 809	1996 RJ ₃₃	1996 09 16.24434	23 47 54.60	-09 24 46.2	8 809
1996 RL ₃₂	1996 09 15.23130	23 42 21.78	-06 24 24.4	8 809	1996 RJ ₃₃	1996 09 17.27986	23 47 23.20	-09 27 37.3	8 809
1996 RL ₃₂	1996 09 15.23341	23 42 21.71	-06 24 24.7	8 809	1996 RK ₃₃	* 1996 09 15.11667	23 50 01.20	-10 24 59.8	8 809
1996 RL ₃₂	1996 09 22.14962	23 38 46.59	-06 41 21.9	8 809	1996 RK ₃₃	1996 09 17.27986	23 49 00.49	-10 34 35.5	8 809
1996 RO ₃₂	1996 09 22.15223	23 38 46.51	-06 41 22.2	8 809	1996 RL ₃₃	* 1996 09 15.11667	23 52 10.38	-11 11 12.8	8 809
1996 RO ₃₂	* 1996 09 14.22986	00 21 07.62	+00 34 43.8	8 809	1996 RL ₃₃	1996 09 17.27986	23 51 07.45	-11 17 43.9	8 809
1996 RO ₃₂	1996 09 15.28549	00 20 38.34	+00 30 54.4	8 809	1996 RM ₃₃	* 1996 09 15.11667	23 52 26.67	-07 25 43.5	8 809
1996 RO ₃₂	1996 09 15.28779	00 20 38.28	+00 30 54.0	8 809	1996 RM ₃₃	1996 09 17.27986	23 51 27.05	-07 34 13.9	8 809
1996 RP ₃₂	* 1996 09 15.06597	23 18 11.44	-09 52 25.8	8 809	1996 RN ₃₃	* 1996 09 15.11667	23 53 08.06	-07 31 43.8	8 809
1996 RP ₃₂	1996 09 16.21458	23 17 36.40	-09 55 35.0	8 809	1996 RN ₃₃	1996 09 17.27986	23 52 07.34	-07 37 24.5	8 809
1996 RQ ₃₂	* 1996 09 15.06597	23 19 31.71	-10 17 50.9	8 809	1996 RO ₃₃	* 1996 09 15.31736	23 23 11.85	-08 03 12.3	8 809
1996 RQ ₃₂	1996 09 16.21458	23 18 57.42	-10 21 21.5	8 809	1996 RO ₃₃	1996 09 16.21458	23 22 46.28	-08 05 55.9	8 809
1996 RS ₃₂	* 1996 09 15.06597	23 20 39.66	-11 47 28.8	8 809	1996 ST ₁	1996 09 12.29722	00 30 02.09	+06 01 18.6	8 809
1996 RS ₃₂	1996 09 16.21458	23 20 01.90	-11 50 15.1	8 809	1996 SL ₈	* 1996 09 16.06944	23 01 08.02	+04 33 02.1	8 809
1996 RT ₃₂	* 1996 09 15.06597	23 21 00.09	-09 35 32.5	8 809	1996 SL ₈	1996 09 17.23125	23 00 33.11	+04 29 51.2	8 809
1996 RT ₃₂	1996 09 16.07520	23 20 30.59	-09 39 00.3	8 809	1996 SM ₈	* 1996 09 16.06944	23 06 57.15	+01 29 05.9	8 809
1996 RT ₃₂	1996 09 16.07731	23 20 30.53	-09 39 00.7	8 809	1996 SM ₈	1996 09 17.06103	23 06 21.58	+01 26 00.5	8 809
1996 RT ₃₂	1996 09 16.21458	23 20 26.48	-09 39 29.6	8 809	1996 SM ₈	1996 09 17.06322	23 06 21.49	+01 26 00.1	8 809
1996 RU ₃₂	* 1996 09 15.06597	23 21 02.28	-14 16 43.1	8 809	1996 SM ₈	1996 09 17.23125	23 06 15.35	+01 25 27.9	8 809
1996 RU ₃₂	1996 09 16.09781	23 20 32.31	-14 19 20.5	8 809	1996 SN ₈	* 1996 09 16.06944	23 07 01.80	+03 49 38.9	8 809
1996 RU ₃₂	1996 09 16.10003	23 20 32.24	-14 19 21.0	8 809	1996 SN ₈	1996 09 17.05483	23 06 17.54	+03 45 46.6	8 809
1996 RV ₃₂	* 1996 09 15.06597	23 21 19.89	-09 51 09.0	8 809	1996 SN ₈	1996 09 17.05705	23 06 17.44	+03 45 46.0	8 809
1996 RV ₃₂	1996 09 16.08799	23 20 51.07	-09 54 30.7	8 809	1996 SN ₈	1996 09 17.23125	23 06 09.47	+03 45 03.8	8 809
1996 RV ₃₂	1996 09 16.09010	23 20 51.00	-09 54 31.0	8 809	1996 SO ₈	1996 09 13.15139	23 09 45.16	-00 22 40.1	8 809
1996 RW ₃₂	* 1996 09 15.06597	23 22 24.51	-09 35 12.2	8 809	1996 SO ₈	1996 09 14.10138	23 09 16.05	-00 25 20.2	8 809
1996 RW ₃₂	1996 09 16.21458	23 21 48.56	-09 37 45.5	8 809	1996 SO ₈	1996 09 14.10354	23 09 15.99	-00 25 20.5	8 809
1996 RY ₃₂	* 1996 09 15.06597	23 24 30.29	-09 31 27.7	8 809	1996 SO ₈	1996 09 14.27361	23 09 10.70	-00 25 49.1	8 809
1996 RY ₃₂	1996 09 16.21458	23 23 58.39	-09 36 49.6	8 809	1996 SO ₈	1996 09 15.08056	23 08 46.19	-00 28 05.4	8 809
1996 RZ ₃₂	* 1996 09 15.06597	23 25 14.80	-10 56 30.9	8 809	1996 SO ₈	1996 09 15.08270	23 08 46.12	-00 28 05.7	8 809
1996 RA ₃₃	1996 09 16.21458	23 24 37.90	-10 58 11.1	8 809	1996 SO ₈	* 1996 09 16.06944	23 08 16.21	-00 30 52.6	8 809
1996 RA ₃₃	* 1996 09 15.06597	23 38 40.68	-10 07 55.7	8 809	1996 SO ₈	1996 09 17.23125	23 07 40.99	-00 34 08.9	8 809
1996 RA ₃₃	1996 09 15.11667	23 38 39.25	-10 08 02.2	8 809	1996 SO ₈	1996 09 22.07389	23 05 17.88	-00 47 50.4	8 809
1996 RA ₃₃	1996 09 17.27986	23 37 33.23	-10 13 02.3	8 809	1996 SO ₈	1996 09 22.07623	23 05 17.81	-00 47 50.8	8 809
1996 RB ₃₃	* 1996 09 15.11667	23 39 06.15	-08 54 43.2	8 809	1996 SP ₈	* 1996 09 16.06944	23 11 20.84	+03 39 51.7	8 809
1996 RB ₃₃	1996 09 17.27986	23 38 01.33	-08 59 40.4	8 809	1996 SP ₈	1996 09 17.23125	23 10 45.15	+03 37 04.4	8 809
1996 RC ₃₃	* 1996 09 15.11667	23 39 24.29	-07 35 04.0	8 809	1996 SQ ₈	* 1996 09 16.06944	23 11 49.47	+03 27 38.4	8 809
1996 RC ₃₃	1996 09 16.21082	23 38 52.33	-07 38 36.5	8 809	1996 SQ ₈	1996 09 17.23125	23 11 15.47	+03 23 41.2	8 809
1996 RC ₃₃	1996 09 16.21296	23 38 52.27	-07 38 36.8	8 809	1996 SR ₈	* 1996 09 16.12292	23 14 46.95	+05 33 05.0	8 809
1996 RD ₃₃	* 1996 09 15.11667	23 42 42.78	-09 16 33.3	8 809	1996 SR ₈	1996 09 17.07462	23 14 19.23	+05 30 12.4	8 809
1996 RD ₃₃	1996 09 17.27986	23 41 41.17	-09 24 47.7	8 809	1996 SR ₈	1996 09 17.07677	23 14 19.17	+05 30 11.9	8 809
1996 RE ₃₃	* 1996 09 15.11667	23 44 04.50	-09 34 47.6	8 809	1996 TN ₄₉	1996 09 10.27917	00 18 47.28	+07 47 47.3	8 809
1996 RE ₃₃	1996 09 17.27986	23 42 58.62	-09 40 18.4	8 809	1996 TN ₄₉	1996 09 14.30764	00 17 01.89	+07 33 09.3	8 809
1996 RF ₃₃	* 1996 09 15.11667	23 44 19.64	-09 32 51.6	8 809	1996 TS ₄₉	1996 09 12.29722	00 19 28.21	+06 22 03.2	8 809
1996 RF ₃₃	1996 09 16.22407	23 43 47.40	-09 36 41.9	8 809	1996 TS ₄₉	1996 09 13.12928	00 19 05.60	+06 19 28.4	8 809
1996 RF ₃₃	1996 09 16.22624	23 43 47.33	-09 36 42.3	8 809	1996 TS ₄₉	1996 09 13.13152	00 19 05.53	+06 19 28.0	8 809
1996 RF ₃₃	1996 09 17.27986	23 43 16.77	-09 40 19.6	8 809	1996 TS ₄₉	1996 09 14.22126	00 18 35.35	+06 16 02.4	8 809
1996 RG ₃₃	* 1996 09 15.11667	23 45 37.75	-10 26 12.8	8 809	1996 TS ₄₉	1996 09 14.22337	00 18 35.29	+06 16 02.0	8 809
1996 RG ₃₃	1996 09 17.27986	23 44 35.58	-10 34 20.1	8 809	1996 TS ₄₉	1996 09 16.30764	00 17 36.66	+06 09 18.2	8 809
1996 RH ₃₃	* 1996 09 15.11667	23 46 19.94	-10 57 17.6	8 809	1996 TS ₄₉	1996 09 21.37066	00 15 11.32	+05 52 13.7	8 809
1996 RH ₃₃	1996 09 17.27986	23 45 13.95	-11 03 37.3	8 809	1996 TS ₄₉	1996 09 21.37285	00 15 11.25	+05 52 13.3	8 809
1996 RJ ₃₃	* 1996 09 15.11667	23 48 28.94	-09 21 38.0	8 809	1996 TC ₅₁	1996 09 10.22917	23 22 39.00	-01 40 30.6	8 809

1996 TC ₅₁	1996 09 11.28583	23 22 08.61	-01 44 47.5	8 809	(3564)	1996 09 16.25728	23 52 53.93	-11 23 04.7	8 809
1996 TC ₅₁	1996 09 13.15139	23 21 15.28	-01 52 20.6	8 809	(3564)	1996 09 16.25942	23 52 53.86	-11 23 05.0	8 809
1996 TC ₅₁	1996 09 13.19583	23 21 14.03	-01 52 30.0	8 809	(3564)	1996 09 17.04477	23 52 29.24	-11 24 34.3	8 809
1996 TC ₅₁	1996 09 13.35041	23 21 09.33	-01 53 08.9	8 809	(3564)	1996 09 17.04689	23 52 29.17	-11 24 34.5	8 809
1996 TC ₅₁	1996 09 13.35244	23 21 09.27	-01 53 09.5	8 809	(3564)	1996 09 17.27986	23 52 21.77	-11 25 00.5	8 809
1996 TC ₅₁	1996 09 14.27361	23 20 42.97	-01 56 53.7	8 809	(3596)	1996 09 09.22569	23 38 11.70	-05 20 28.2	8 809
1996 TC ₅₁	1996 09 15.30027	23 20 13.54	-02 01 03.7	8 809	(3596)	1996 09 14.14583	23 35 15.15	-05 25 09.8	8 809
1996 TC ₅₁	1996 09 15.30243	23 20 13.48	-02 01 04.2	8 809	(3709)	1996 09 10.17778	22 54 10.67	+02 42 18.8	8 809
1996 TC ₅₁	1996 09 16.03841	23 19 52.64	-02 04 03.9	8 809	(3709)	1996 09 11.03402	22 53 48.01	+02 38 07.4	8 809
1996 TC ₅₁	1996 09 16.04054	23 19 52.58	-02 04 04.4	8 809	(3709)	1996 09 15.28889	22 51 56.14	+02 16 42.5	8 809
1996 TH ₅₂	1996 09 14.14583	23 31 51.99	-05 51 51.3	8 809	(3794)	1996 09 13.15139	23 21 36.07	-03 07 10.8	8 809
1996 TH ₅₂	1996 09 15.15576	23 31 20.31	-05 54 05.4	8 809	(3794)	1996 09 14.27361	23 20 59.62	-03 09 57.6	8 809
1996 TH ₅₂	1996 09 15.15799	23 31 20.25	-05 54 05.6	8 809	(4007)	1996 09 14.06458	23 28 50.59	-07 40 19.9	8 809
1996 TH ₅₂	1996 09 16.14541	23 30 49.28	-05 56 16.6	8 809	(4007)	1996 09 15.31736	23 28 10.86	-07 42 54.2	8 809
1996 TH ₅₂	1996 09 16.14756	23 30 49.21	-05 56 16.7	8 809	(4007)	1996 09 16.21458	23 27 42.44	-07 44 46.6	8 809
1996 TH ₅₂	1996 09 22.16303	23 27 41.94	-06 09 07.4	8 809	(4057)	1996 09 11.19028	23 03 10.58	-08 32 30.4	8 809
1996 TH ₅₂	1996 09 22.16522	23 27 41.87	-06 09 07.6	8 809	(4060)	1996 09 13.10021	22 50 43.62	-05 30 57.5	8 809
1996 TD ₅₇	1996 09 16.17361	23 30 53.23	+07 52 21.3	8 809	(4060)	1996 09 14.18819	22 50 15.53	-05 35 30.7	8 809
1996 TA ₅₈	1996 09 16.17361	23 36 35.26	+04 34 29.1	8 809	(4138)	1996 09 10.22917	23 24 46.58	-02 02 51.1	8 809
6541 P-L	1996 09 14.14583	23 41 37.23	-05 40 11.3	8 809	(4138)	1996 09 13.19583	23 23 19.75	-02 12 45.5	8 809
5159 T-2	1996 09 14.34861	23 51 43.98	+07 29 19.0	8 809	(4230)	1996 09 11.19028	23 03 38.93	-06 23 41.5	8 809
5159 T-2	1996 09 15.24212	23 51 16.51	+07 27 28.9	8 809	(4230)	1996 09 13.10021	23 02 33.48	-06 31 17.5	8 809
5159 T-2	1996 09 15.24427	23 51 16.45	+07 27 28.6	8 809	(4230)	1996 09 14.18819	23 01 56.37	-06 35 36.1	8 809
5159 T-2	1996 09 16.16821	23 50 47.93	+07 25 31.5	8 809	(4255)	1996 09 13.15139	23 22 52.65	-03 05 34.9	8 809
5159 T-2	1996 09 16.17037	23 50 47.86	+07 25 31.3	8 809	(4255)	1996 09 14.27361	23 22 11.89	-03 10 28.9	8 809
5159 T-2	1996 09 16.17361	23 50 47.68	+07 25 30.7	8 809	(4344)	1996 09 09.22569	23 31 21.30	-06 08 16.1	8 809
5159 T-2	1996 09 22.17765	23 47 41.11	+07 12 00.0	8 809	(4344)	1996 09 10.08873	23 30 44.10	-06 12 33.9	8 809
5159 T-2	1996 09 22.17983	23 47 41.05	+07 11 59.6	8 809	(4344)	1996 09 10.37156	23 30 31.34	-06 14 00.5	8 809
5187 T-2	1996 09 10.27917	00 22 26.20	+11 47 18.7	8 809	(4344)	1996 09 11.30694	23 29 50.77	-06 18 37.0	8 809
5187 T-2	1996 09 11.33990	00 21 58.48	+11 44 31.4	8 809	(4501)	1996 09 10.27917	00 10 06.40	+10 57 48.7	8 809
5187 T-2	1996 09 14.30764	00 20 39.02	+11 36 13.2	8 809	(4501)	1996 09 14.30764	00 08 14.79	+10 46 15.1	8 809
(588)	1996 09 10.17778	22 41 10.10	-02 19 15.8	8 809	(4501)	1996 09 14.34861	00 08 13.47	+10 46 03.0	8 809
(1143)	1996 09 13.10021	23 04 32.76	-02 32 22.8	8 809	(4543)	1996 09 16.06944	22 56 30.55	+00 54 35.1	8 809
(1143)	1996 09 13.15139	23 04 31.43	-02 32 31.8	8 809	(4543)	1996 09 17.23125	22 55 52.62	+00 52 27.3	8 809
(1143)	1996 09 14.18819	23 04 02.42	-02 35 50.5	8 809	(4902)	1996 09 13.15139	23 08 55.06	-04 48 02.8	8 809
(1143)	1996 09 14.27361	23 04 00.07	-02 36 06.4	8 809	(5012)	1996 09 14.22986	00 20 55.30	-01 29 48.8	8 809
(1404)	1996 09 16.12292	23 32 32.93	+06 58 25.3	8 809	(5025)	1996 09 10.11667	22 45 29.14	-09 43 50.6	8 809
(1404)	1996 09 16.17361	23 32 31.31	+06 58 26.5	8 809	(5025)	1996 09 11.12227	22 44 57.66	-09 45 37.4	8 809
(1512)	1996 09 13.24583	00 02 33.42	-01 48 37.4	8 809	(5041)	1996 09 11.29167	00 34 51.87	-02 34 19.2	8 809
(1512)	1996 09 16.27361	00 00 38.57	-01 57 45.7	8 809	(5041)	1996 09 15.34653	00 32 57.33	-02 43 44.4	8 809
(1647)	1996 09 16.12292	23 18 25.24	+02 32 36.5	8 809	(5123)	1996 09 12.15417	23 18 50.87	-15 44 25.1	8 809
(1869)	1996 09 11.19028	23 04 29.83	-10 35 48.9	8 809	(5123)	1996 09 13.09376	23 18 23.64	-15 47 04.4	8 809
(1869)	1996 09 17.10764	23 01 35.07	-10 51 11.7	8 809	(5123)	1996 09 13.09591	23 18 23.59	-15 47 04.8	8 809
(1911)	1996 09 11.24097	23 48 13.78	+00 57 02.8	8 809	(5123)	1996 09 14.30418	23 17 48.39	-15 50 24.1	8 809
(1911)	1996 09 12.19861	23 47 39.89	+00 53 33.3	8 809	(5123)	1996 09 14.30630	23 17 48.33	-15 50 24.5	8 809
(2148)	1996 09 10.22917	23 36 35.52	-01 41 01.8	8 809	(5123)	1996 09 16.24306	23 16 52.33	-15 55 31.7	8 809
(2148)	1996 09 13.19583	23 35 13.08	-01 53 19.1	8 809	(5123)	1996 09 21.32152	23 14 27.70	-16 08 02.1	8 809
(2759)	1996 09 13.24583	00 01 20.35	-03 12 50.6	8 809	(5123)	1996 09 21.32368	23 14 27.64	-16 08 02.4	8 809
(2759)	1996 09 16.27361	00 00 01.64	-03 28 13.5	8 809	(5244)	1996 09 11.24097	23 44 51.11	+03 26 23.5	8 809
(3391)	1996 09 16.17361	23 47 10.30	+04 30 39.7	8 809	(5244)	1996 09 12.19861	23 44 24.09	+03 23 00.5	8 809
(3548)	1996 09 15.16667	00 11 48.87	-06 32 30.9	8 809	(5652)	1996 09 10.22917	23 33 49.77	-00 21 55.6	8 809
(3564)	1996 09 15.11667	23 53 29.91	-11 20 52.1	8 809	(5652)	1996 09 13.19583	23 32 21.57	-00 31 03.4	8 809

(7152)	1996 09 10.11667	22 33 42.43	-12 32 33.4	8 809
(7152)	1996 09 11.17544	22 33 12.12	-12 35 38.2	8 809
(7152)	1996 09 12.10764	22 32 46.22	-12 38 16.2	8 809
(7174)	1996 09 14.06458	23 14 41.99	-07 08 34.3	8 809
(7174)	1996 09 15.31736	23 13 47.62	-07 10 16.4	8 809
(7174)	1996 09 16.21458	23 13 09.27	-07 11 29.6	8 809

816 Rand Observatory

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0.37-m $f/6$ reflector + CCD

GSC, SA 1.0

1993 FN	1997 04 03.15221	12 00 30.55	+00 05 04.6	18.3 R	816
1993 FN	1997 04 03.15579	12 00 30.33	+00 05 04.4	18.3 R	816
1993 FN	1997 04 03.16223	12 00 29.94	+00 05 04.3	18.5 R	816
1993 FN	1997 04 03.16531	12 00 29.75	+00 05 04.0	18.5 R	816
1993 FN	1997 04 05.14770	11 58 34.78	+00 03 33.9	18.1 R	816
1993 FN	1997 04 05.15134	11 58 34.57	+00 03 33.6	18.0 R	816
1993 FN	1997 04 05.15800	11 58 34.18	+00 03 33.4	18.0 R	816
1993 FN	1997 04 05.16279	11 58 33.89	+00 03 33.1	18.1 R	816
1994 PR ₂₇	1997 04 11.08020	11 57 49.96	+00 38 57.5	17.5 R	816
1994 PR ₂₇	1997 04 11.08383	11 57 49.80	+00 38 58.1	17.8 R	816
1994 PR ₂₇	1997 04 11.09228	11 57 49.45	+00 38 59.6	17.5 R	816
1994 PR ₂₇	1997 04 11.09675	11 57 49.24	+00 39 00.2	17.7 R	816
1994 PR ₂₇	1997 04 11.22144	11 57 43.72	+00 39 19.7	17.2 R	816
1994 PR ₂₇	1997 04 11.22455	11 57 43.58	+00 39 20.4	17.2 R	816
1994 PR ₂₇	1997 04 12.10510	11 57 06.47	+00 41 33.9	18.1 R	816
1994 PR ₂₇	1997 04 12.10851	11 57 06.31	+00 41 34.8	18.0 R	816
1994 PR ₂₇	1997 04 12.11448	11 57 06.06	+00 41 35.5	17.6 R	816
1994 PR ₂₇	1997 04 12.11794	11 57 05.91	+00 41 35.6	17.6 R	816
1997 EX ₃₁	1997 04 03.09554	11 53 08.81	+01 35 13.0	19.1 R	816
1997 EX ₃₁	1997 04 03.09959	11 53 08.65	+01 35 15.6	19.1 R	816
1997 EX ₃₁	1997 04 03.11067	11 53 08.19	+01 35 23.1	19.2 R	816
1997 EX ₃₁	1997 04 03.11425	11 53 08.04	+01 35 25.2	19.4 R	816
1997 EX ₃₁	1997 04 05.07772	11 51 55.74	+01 57 07.4	18.8 R	816
1997 EX ₃₁	1997 04 05.08134	11 51 55.62	+01 57 09.9	19.1 R	816
1997 EX ₃₁	1997 04 05.09113	11 51 55.23	+01 57 16.5	19.3 R	816
1997 EX ₃₁	1997 04 05.09513	11 51 55.08	+01 57 19.5	19.6 R	816
1997 EX ₃₁	1997 04 05.09957	11 51 54.92	+01 57 22.1	19.5 R	816
1997 EE ₃₂	1997 04 11.08020	11 57 58.75	+00 40 56.6	18.2 R	816
1997 EE ₃₂	1997 04 11.08383	11 57 58.59	+00 40 57.9	18.1 R	816
1997 EE ₃₂	1997 04 11.09228	11 57 58.26	+00 41 00.8	18.1 R	816
1997 EE ₃₂	1997 04 11.09675	11 57 58.09	+00 41 02.0	18.1 R	816
1997 EE ₃₂	1997 04 11.22144	11 57 53.18	+00 41 43.3	17.8 R	816
1997 EE ₃₂	1997 04 11.22455	11 57 53.06	+00 41 44.6	17.9 R	816
1997 EE ₃₂	1997 04 12.10510	11 57 21.15	+00 46 29.0	18.2 R	816
1997 EE ₃₂	1997 04 12.10851	11 57 21.03	+00 46 30.2	17.8 R	816
1997 EE ₃₂	1997 04 12.11448	11 57 20.80	+00 46 32.0	17.9 R	816
1997 EE ₃₂	1997 04 12.11794	11 57 20.70	+00 46 33.1	18.1 R	816
1997 GM	* 1997 04 03.15221	12 00 39.61	+00 05 41.3	19.5 R	816
1997 GM	1997 04 03.15579	12 00 39.42	+00 05 43.2	19.8 R	816
1997 GM	1997 04 03.16223	12 00 39.09	+00 05 44.8	19.6 R	816
1997 GM	1997 04 03.16531	12 00 38.92	+00 05 44.9	19.8 R	816

1997 GM	1997 04 05.12676	11 58 56.65	+00 15 12.7	19.0 R	816
1997 GM	1997 04 05.13001	11 58 56.46	+00 15 13.3	19.3 R	816
1997 GM	1997 04 05.13581	11 58 56.12	+00 15 15.4	19.1 R	816
1997 GM	1997 04 05.14248	11 58 55.76	+00 15 17.2	19.3 R	816
1997 GL ₃	1997 04 11.19618	13 54 37.29	-04 48 03.2	15.5 R	816
1997 GL ₃	1997 04 11.19755	13 54 36.60	-04 47 58.7	15.5 R	816
1997 GL ₃	1997 04 11.19888	13 54 35.92	-04 47 54.0	15.4 R	816
1997 GL ₃	1997 04 11.20060	13 54 35.07	-04 47 48.2	15.5 R	816
9523 P-L	1997 04 03.09554	11 53 39.83	+01 33 03.1	17.6 R	816
9523 P-L	1997 04 03.09959	11 53 39.59	+01 33 03.3	17.5 R	816
9523 P-L	1997 04 03.11067	11 53 38.91	+01 33 04.1	17.6 R	816
9523 P-L	1997 04 03.11425	11 53 38.70	+01 33 04.3	17.6 R	816
9523 P-L	1997 04 05.10499	11 51 46.93	+01 34 56.5	17.5 R	816
9523 P-L	1997 04 05.10815	11 51 46.74	+01 34 56.6	17.6 R	816
9523 P-L	1997 04 05.11432	11 51 46.39	+01 34 56.9	17.6 R	816
9523 P-L	1997 04 05.11904	11 51 46.12	+01 34 57.2	17.6 R	816

817 Sudbury

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0.41-m Schmidt-Cassegrain + CCD

GSC

1994 UB	1997 04 15.13189	14 47 24.41	-00 44 40.3	17.4 R	817
1994 UB	1997 04 15.15168	14 47 23.59	-00 44 29.0	17.0 R	817
1994 UB	1997 04 15.15588	14 47 23.38	-00 44 26.6	17.6 R	817
1994 UB	1997 04 15.18039	14 47 22.37	-00 44 12.0	17.0 R	817
1994 UB	1997 04 16.13472	14 46 42.78	-00 34 45.5	17.2 R	817
1994 UB	1997 04 16.14301	14 46 42.39	-00 34 41.4	17.7 R	817
1994 UB	1997 04 16.15373	14 46 41.94	-00 34 34.9	17.4 R	817
1994 UB	1997 04 16.16229	14 46 41.56	-00 34 29.8	17.6 R	817
1995 XB	1997 04 05.20353	10 53 47.83	+11 20 19.2	17.6 R	817
1995 XB	1997 04 05.21194	10 53 47.57	+11 20 19.9	17.5 R	817
1995 XB	1997 04 05.21907	10 53 47.35	+11 20 20.9	17.8 R	817
1995 XB	1997 04 05.24248	10 53 46.64	+11 20 23.0	17.5 R	817
1995 XB	1997 04 05.25427	10 53 46.29	+11 20 24.6	17.7 R	817
1995 XB	1997 04 11.09255	10 51 19.55	+11 27 56.0	17.8 R	817
1995 XB	1997 04 11.09983	10 51 19.41	+11 27 56.0	17.8 R	817
1995 XB	1997 04 11.15143	10 51 18.26	+11 27 58.8	18.1 R	817

823 Fitchburg

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0.28-m Schmidt-Cassegrain + CCD

GSC

(3567)	1997 04 03.12008	11 15 04.99	-05 47 36.8	17.2	823
(3567)	1997 04 03.15681	11 15 03.28	-05 47 24.8	17.7	823

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Campiñas, Campiñas, SP, BR-13081-970, Brazil [holvorce@ime.unicamp.br]0.20-m $f/6.3$ Schmidt-Cassegrain + CCD

GSC

1992 CC ₁	1997 03 12.19402	11 24 08.30	-00 34 04.2	17.6 R	861
1992 CC ₁	1997 03 12.20192	11 24 06.67	-00 34 08.1	17.7 R	861
1992 CC ₁	1997 03 12.26850	11 23 55.04	-00 34 39.1	16.7 R	861
1992 CC ₁	1997 03 18.23296	11 07 08.34	-01 18 21.9	17.5 R	861
1992 CC ₁	1997 03 18.24311	11 07 06.45	-01 18 26.6	17.5 R	861
(1627)	1997 03 10.11030	07 55 17.84	+21 07 24.7	16.7 R	861
(1627)	1997 03 10.12789	07 55 17.34	+21 07 28.4	16.9 R	861
(2204)	1997 03 10.06521	07 03 57.13	+08 25 00.3	15.1 R	861
(2204)	1997 03 10.07351	07 03 57.81	+08 25 10.8	15.2 R	861
(3875)	1997 03 10.11030	07 55 17.94	+21 08 10.0	17.7 R	861
(3875)	1997 03 10.12789	07 55 17.69	+21 08 12.9	17.9 R	861
(7341)	1997 03 12.34519	13 43 31.60	-34 51 01.6	17.0 R	861
(7341)	1997 03 12.35209	13 43 30.66	-34 50 55.3	16.5 R	861
(7341)	1997 03 18.27655	13 29 10.62	-33 18 17.5	16.6 R	861
(7341)	1997 03 18.28968	13 29 08.57	-33 18 03.2	16.6 R	861
(7341)	1997 03 18.29780	13 29 07.36	-33 17 54.4	16.7 R	861

867 Saji Observatory

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1.03-m $f/4.2$ reflector + CCD
GSC

1997 GF ₃	1997 04 11.67640	13 22 15.41	+01 47 04.1		867
1997 GF ₃	1997 04 11.67987	13 22 15.30	+01 47 14.6	18.7 V	867
1997 GF ₃	1997 04 11.69098	13 22 14.90	+01 47 47.1		867
1997 GF ₃	1997 04 13.69690	13 21 18.98	+03 25 04.7		867
1997 GF ₃	1997 04 13.70431	13 21 18.74	+03 25 25.8		867
1997 GF ₃	1997 04 13.72306	13 21 18.20	+03 26 19.4		867

886 Susono

M. Akiyama, 1655-23, Chabatake, Susono, Shizuoka-Ken, 410-11 Japan
0.25-m $f/6.3$ reflector + CCD
GSC

1953 GN	1997 03 09.60567	11 24 12.87	+04 45 59.7	16.5 V	886
1953 GN	1997 03 09.61382	11 24 12.42	+04 46 04.4		886
1953 GN	1997 03 11.58255	11 22 32.54	+05 06 09.3		886
1953 GN	1997 03 11.59094	11 22 32.05	+05 06 15.9		886
1976 DA ₁	1997 03 07.59240	11 37 38.53	+08 18 08.7	17.5 V	886
1976 DA ₁	1997 03 07.60088	11 37 38.06	+08 18 12.9		886
1976 DA ₁	1997 03 08.59842	11 36 47.43	+08 27 13.1		886
1976 DA ₁	1997 03 08.60656	11 36 47.08	+08 27 18.4		886
1979 QW ₃	1997 03 08.57772	11 15 42.64	+04 56 12.7	17.0 V	886
1979 QW ₃	1997 03 08.58616	11 15 42.12	+04 56 15.1		886
1979 QW ₃	1997 03 09.56694	11 14 48.47	+05 02 31.5		886
1979 QW ₃	1997 03 09.57499	11 14 48.04	+05 02 34.8		886
1989 KE	1997 03 11.59500	11 38 44.69	+10 54 31.6	17.5 V	886
1989 KE	1997 03 11.60308	11 38 44.22	+10 54 35.9		886
1989 KE	1997 03 30.55660	11 24 38.85	+14 10 22.7		886
1989 KE	1997 03 30.56779	11 24 38.40	+14 10 28.9		886
1992 UP ₄	1997 03 30.57216	11 34 23.17	+12 48 46.0	16.5 V	886
1992 UP ₄	1997 03 30.58058	11 34 22.78	+12 48 49.2		886
1992 UP ₄	1997 03 31.64923	11 33 34.72	+12 54 22.6		886

1992 UP ₄	1997 03 31.65765	11 33 34.39	+12 54 24.5		886
1993 BM ₁₂	1997 03 08.54868	11 09 46.43	+03 50 57.6	16.0 V	886
1993 BM ₁₂	1997 03 08.55716	11 09 46.02	+03 51 00.6		886
1993 BM ₁₂	1997 03 09.53825	11 08 51.02	+03 55 39.6		886
1993 BM ₁₂	1997 03 09.54656	11 08 50.52	+03 55 41.4		886
1994 PC ₃₉	1997 03 09.54250	11 57 00.69	-03 59 22.2	17.5 V	886
1994 PC ₃₉	1997 03 09.55059	11 57 00.25	-03 59 18.5		886
1994 PC ₃₉	1997 03 09.55879	11 56 59.91	-03 59 16.9		886
1994 PC ₃₉	1997 03 11.56234	11 55 21.94	-03 49 22.1		886
1994 PC ₃₉	1997 03 11.57047	11 55 21.44	-03 49 18.6		886
1994 RX ₁	1997 03 08.58196	11 15 28.92	+02 00 07.8	17.0 V	886
1994 RX ₁	1997 03 08.59035	11 15 28.47	+02 00 15.6		886
1994 RX ₁	1997 03 09.58301	11 14 38.66	+02 17 13.8		886
1994 RX ₁	1997 03 09.59116	11 14 38.30	+02 17 22.0		886
1995 VG	1997 03 09.58709	11 56 31.35	-02 46 59.3	17.5 V	886
1995 VG	1997 03 09.59520	11 56 30.88	-02 46 57.2		886
1995 VG	1997 03 11.56643	11 54 55.43	-02 37 34.5		886
1995 VG	1997 03 11.57449	11 54 55.03	-02 37 32.3		886
1995 WF ₂	1997 03 11.59905	11 19 25.91	+05 10 54.8	17.0 V	886
1995 WF ₂	1997 03 11.61541	11 19 25.12	+05 10 59.6		886
1997 FL ₁	1997 03 30.60118	14 28 48.58	+06 59 24.0	17.0 V	886
1997 FL ₁	1997 03 30.61497	14 28 48.05	+06 59 27.5		886
1997 FL ₁	1997 03 31.62331	14 28 13.16	+07 04 22.4		886
1997 FL ₁	1997 03 31.64073	14 28 12.64	+07 04 25.7		886
1997 FL ₁	1997 04 10.59645	14 21 51.26	+07 49 44.1	17.0 V	886
1997 FL ₁	1997 04 10.60625	14 21 50.83	+07 49 46.1		886
2114 T-2	1997 03 08.56124	11 11 55.55	+03 15 21.5	16.5 V	886
2114 T-2	1997 03 08.56963	11 11 55.11	+03 15 25.7		886
2114 T-2	1997 03 09.55466	11 11 04.61	+03 23 20.5		886
2114 T-2	1997 03 09.56281	11 11 04.14	+03 23 24.0		886
(3519)	1997 03 30.58463	11 07 04.18	+06 30 46.0		886
(3519)	1997 03 30.59299	11 07 03.78	+06 30 48.0		886
(7473)	1997 03 09.59938	11 33 37.68	+06 37 21.2	18.0 V	886
(7473)	1997 03 09.60977	11 33 37.12	+06 37 23.8		886
(7473)	1997 03 11.57852	11 32 03.63	+06 48 40.2		886
(7473)	1997 03 11.58691	11 32 03.37	+06 48 45.0		886
(7516)	1997 03 07.57967	11 21 29.59	+03 37 53.1	17.0 V	886
(7516)	1997 03 07.58777	11 21 29.06	+03 37 58.5		886
(7516)	1997 03 08.53638	11 20 36.25	+03 46 29.4		886
(7516)	1997 03 08.54444	11 20 35.80	+03 46 35.3		886

896 Yatsugatake South Base Observatory

O. Muramatsu, 8-119-1, Sakura-zutsumi 2 Chome, Musashino, Tokyo, 180 Japan
Observer M. Aoki
Measurer Y. Kushida
0.25-m $f/6.3$ Schmidt-Cassegrain + CCD, 0.40-m $f/4.1$ reflector + CCD
GSC

1989 YK	1990 01 25.59132	06 42 39.56	+18 36 18.2		896
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897 YGCO Chiyoda Station

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0.25-m *f*/6.0 reflector + CCD

GSC					
1997 CT ₁₉	1997 03 04.54333	09 02 11.46	+14 14 59.2		897
1997 CT ₁₉	1997 03 04.55595	09 02 11.01	+14 15 00.8		897
1997 CT ₁₉	1997 03 04.56964	09 02 10.56	+14 15 02.8		897
1997 CT ₁₉	1997 03 07.53354	09 00 48.39	+14 23 16.1		897
1997 CT ₁₉	1997 03 07.54743	09 00 47.96	+14 23 18.1		897
1997 GH ₃	1997 04 10.53991	08 16 49.07	+19 21 53.2	16.5 R	897
1997 GH ₃	1997 04 10.54685	08 16 51.95	+19 21 47.5		897
1997 GH ₃	1997 04 10.56826	08 17 00.44	+19 21 34.6		897
1997 GL ₃	1997 04 10.60483	13 59 43.36	-05 24 17.2		897
1997 GL ₃	1997 04 10.60763	13 59 41.71	-05 24 06.0	15.4 R	897
1997 GL ₃	1997 04 10.61457	13 59 37.66	-05 23 38.5		897
1997 GL ₃	1997 04 10.61789	13 59 35.70	-05 23 25.6	15.5 R	897
1997 GL ₃	1997 04 12.56263	13 45 15.28	-03 40 52.8	15.8 R	897
1997 GL ₃	1997 04 12.56580	13 45 14.04	-03 40 44.9		897
1997 GL ₃	1997 04 12.57417	13 45 10.95	-03 40 24.1		897

910 Caussols-ODAS

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Observers A. Maury, D. Albanese, G. Hahn, M. Lundström

Measurers M. Lundström, G. Hahn

0.9-m Schmidt + CCD

GSC					
1985 QP	1997 02 10.13520	13 31 50.57	-10 08 22.5	20.4 V	910
1985 QP	1997 02 10.15865	13 31 50.71	-10 08 25.0	20.9 V	910
1985 QP	1997 02 10.18491	13 31 50.91	-10 08 28.6	20.4 V	910
1987 RB ₁	1997 02 10.13679	13 34 08.73	-09 55 06.3	20.5 V	910
1987 RB ₁	1997 02 10.16024	13 34 08.85	-09 55 06.9	20.3 V	910
1987 RB ₁	1997 02 10.18650	13 34 09.02	-09 55 07.8	20.6 V	910
1988 RD ₁₁	1997 02 10.13679	13 34 08.05	-10 14 49.6	18.5 V	910
1988 RD ₁₁	1997 02 10.16024	13 34 08.46	-10 14 54.3	18.4 V	910
1988 RD ₁₁	1997 02 10.18651	13 34 08.90	-10 14 59.0	18.5 V	910
1991 CS	1997 03 07.10138	12 37 23.69	+39 06 31.1	15.4 V	910
1991 CS	1997 03 07.11314	12 37 22.60	+39 07 52.6	15.4 V	910
1991 CS	1997 03 07.12615	12 37 21.43	+39 09 22.5	15.3 V	910
1991 VH	1997 03 07.03333	11 51 34.72	+29 10 26.3	15.9 V	910
1991 VH	1997 03 07.04513	11 51 33.48	+29 10 56.9	15.9 V	910
1991 VH	1997 03 07.05762	11 51 32.18	+29 11 29.0	15.9 V	910
1996 FG ₃	1997 03 06.97549	09 23 53.25	+11 11 42.8	18.0 V	910
1996 FG ₃	1997 03 06.98737	09 23 51.41	+11 11 50.3	18.0 V	910
1996 FG ₃	1997 03 07.00272	09 23 49.03	+11 12 00.2	17.9 V	910
1997 AG ₂₄	1997 01 14.97249	08 00 20.43	+19 42 20.7	18.7 V	910
1997 AG ₂₄	1997 01 14.98124	08 00 19.81	+19 42 23.6	18.6 V	910
1997 AG ₂₄	1997 01 14.99101	08 00 19.14	+19 42 26.9	18.4 V	910
1997 GO ₁	1997 04 10.09804	12 44 54.70	-07 51 44.8	19.0 V	910
1997 GO ₁	1997 04 10.10403	12 44 54.38	-07 51 42.6	18.9 V	910
1997 GO ₁	1997 04 10.11270	12 44 53.89	-07 51 39.9	18.7 V	910
1997 GF ₉	1997 04 10.09804	12 44 27.55	-07 52 44.5	18.8 V	910

1997 GF ₉	1997 04 10.10403	12 44 27.26	-07 52 40.3	18.9 V	910
1997 GF ₉	1997 04 10.11270	12 44 26.88	-07 52 34.5	18.9 V	910
(1469)	1997 02 10.14350	13 43 50.22	-09 58 34.7	16.5 V	910
(1469)	1997 02 10.16695	13 43 50.48	-09 58 31.8	16.5 V	910
(1469)	1997 02 10.19322	13 43 50.76	-09 58 28.9	16.6 V	910
(2017)	1997 02 10.15118	13 54 55.98	-09 54 49.4	18.1 V	910
(2017)	1997 02 10.17464	13 54 56.74	-09 54 50.4	17.5 V	910
(2017)	1997 02 10.20091	13 54 57.59	-09 54 51.4	17.7 V	910
(2883)	1997 02 10.14890	13 51 38.51	-09 58 44.4	17.4 V	910
(2883)	1997 02 10.17237	13 51 39.47	-09 58 49.9	17.4 V	910
(2883)	1997 02 10.19864	13 51 40.55	-09 58 56.0	17.5 V	910
(3957)	1997 02 10.14759	13 49 45.29	-09 55 06.9	19.2 V	910
(3957)	1997 02 10.17105	13 49 45.58	-09 55 06.3	19.1 V	910
(3957)	1997 02 10.19731	13 49 45.92	-09 55 05.9	19.4 V	910
(6077)	1997 02 10.14586	13 47 14.99	-09 49 44.8	18.6 V	910
(6077)	1997 02 10.16931	13 47 15.23	-09 49 47.1	18.6 V	910
(6077)	1997 02 10.19557	13 47 15.49	-09 49 49.7	18.7 V	910
(6221)	1997 02 10.15033	13 53 41.45	-10 02 35.1	18.9 V	910
(6221)	1997 02 10.17378	13 53 41.98	-10 02 37.3	18.9 V	910
(6221)	1997 02 10.20005	13 53 42.56	-10 02 38.9	18.9 V	910
(7518)	1997 02 16.09920	11 00 48.41	+13 27 53.4	16.2 V	910
(7518)	1997 02 16.10418	11 00 48.13	+13 27 56.1	16.3 V	910
(7518)	1997 02 16.10840	11 00 47.92	+13 27 57.6	16.3 V	910

958 Observatoire de Dax

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Observers M. Peyro, J. P. Barrilliot, F. Lefevre

Measurer A. Klotz

0.60-m *f*/3.2 reflector + CCD

GSC					
1997 FR ₁	1997 03 31.12153	12 18 10.29	+18 36 00.1	15.3	958
1997 FR ₁	1997 03 31.13199	12 18 09.72	+18 36 01.4	15.4	958
1997 FR ₁	1997 03 31.14146	12 18 09.18	+18 36 02.7	15.3	958

959 Ramonville Saint Agne

C. Buil, 10 Domaine de la Cheneraie, F-31520 Ramonville Saint Agne

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0.21-m *f*/3.6 reflector + CCD

GSC					
1997 EP ₃₀	1997 03 16.81013	10 21 52.81	+28 05 44.1	16.6	959
1997 EP ₃₀	1997 03 16.82846	10 21 52.09	+28 05 46.2	16.9	959
1997 EP ₃₀	1997 03 17.84231	10 21 10.59	+28 07 19.7	16.9	959
1997 EP ₃₀	1997 03 17.86015	10 21 09.90	+28 07 21.3	16.6	959
1997 EQ ₃₀	1997 03 16.90194	10 25 36.41	+26 30 19.6	17.3	959
1997 EQ ₃₀	1997 03 16.91988	10 25 35.64	+26 30 22.4	17.5	959
1997 EQ ₃₀	1997 03 17.87150	10 24 56.41	+26 33 36.9	18.1	959
1997 EQ ₃₀	1997 03 17.88904	10 24 55.64	+26 33 40.6	17.5	959
1997 FC	* 1997 03 17.95473	11 23 15.14	+16 32 56.7	17.1	959
1997 FC	1997 03 17.97229	11 23 14.37	+16 33 03.2	17.4	959
1997 FC	1997 03 18.97309	11 22 30.97	+16 39 42.7	17.0	959

960 Rolvenden

M. Armstrong, Butterfly Cottage, Hastings Road, Rolvenden, Kent TN17 4PN,
England [fw04@dial.pipex.com]

0.26-m Schmidt-Cassegrain + CCD

GSC

1990 QN ₅	1997 03 16.01426	09 39 57.20	+16 56 21.4	18.6 V	960
1990 QN ₅	1997 03 16.05447	09 39 55.61	+16 56 21.0	18.5 V	960

962 Gandia

J. J. Gomez D., Cardenal Cisneros 55-4-8, E-46700 Gandia, Spain
[astrosafor@jet.es]

0.25-m *f*/6.3 Schmidt-Cassegrain + CCD

GSC

1988 BC	1997 03 13.94795	10 27 40.45	+33 08 42.2		962
1988 BC	1997 03 14.01980	10 27 37.40	+33 08 40.3		962
1993 VM ₁	1997 03 13.99015	11 22 18.74	+04 56 36.9		962
1993 VM ₁	1997 03 13.99269	11 22 18.59	+04 56 41.4		962
1993 VM ₁	1997 03 14.05550	11 22 15.13	+04 58 17.4		962
(6764)	1997 03 14.06507	12 08 30.21	+04 10 48.6		962
(6764)	1997 03 14.08683	12 08 28.65	+04 10 52.5		962
(7512)	1997 03 13.93781	10 05 08.24	+11 24 13.4		962
(7512)	1997 03 14.00684	10 05 05.17	+11 24 12.9		962

966 Church Stretton

S. P. Laurie, Toleman, 10 Hazler Orchard, Church Stretton, Shropshire SY6 7AL,
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0.25-m Schmidt Cassegrain + focal reducer + CCD

GSC

1984 HJ ₁	1997 02 26.96843	07 45 11.96	+24 39 09.9	17.1 V	966
1984 HJ ₁	1997 02 27.01277	07 45 10.69	+24 39 15.9		966
1995 ST	1997 03 09.92601	08 24 38.74	+22 56 41.3	17.5 V	966
1995 ST	1997 03 10.03529	08 24 36.23	+22 56 18.9		966
1995 SU	1997 03 05.97355	08 10 51.21	+20 04 34.0	17.3 V	966
1995 SU	1997 03 06.00069	08 10 50.54	+20 04 30.7		966
1997 DR	1997 03 09.93105	09 44 59.01	+17 17 38.7	18.5 V	966
1997 DR	1997 03 09.94819	09 44 58.36	+17 17 41.3		966

979 South Wonston

R. W. Arbour, Pennell Observatory, 29 Wrights Way, South Wonston, Hants.
SO21 3HE, England [RonArbour@swonston.demon.co.uk]

0.30-m Catadioptric + CCD

GSC

1986 QZ ₂	1997 03 30.94170	09 05 54.64	+25 25 57.2	17.6 V	979
1986 QZ ₂	1997 03 30.96725	09 05 54.44	+25 25 49.9	17.7 V	979
1986 QZ ₂	1997 03 31.91042	09 05 49.30	+25 21 12.9	17.3 V	979
1986 QZ ₂	1997 04 05.87500	09 05 47.72	+24 55 24.2	17.4 V	979
1986 QZ ₂	1997 04 05.88090	09 05 47.69	+24 55 22.1	17.2 V	979
1986 QZ ₂	1997 04 05.94097	09 05 47.89	+24 55 02.6	17.4 V	979
1986 QZ ₂	1997 04 07.85625	09 05 59.00	+24 44 24.5	17.2 V	979
1986 QZ ₂	1997 04 07.92222	09 05 59.38	+24 44 02.3	17.5 V	979

ORBITAL ELEMENTS

Orbital elements have been computed by the following contributors:

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C/1995 O1 (Hale-Bopp)

Epoch 1997 Mar. 13.0 TT = JDT 2450520.5

T 1997 Apr. 1.13808 TT

		Nakano	
<i>q</i>	(2000.0)	P	Q
<i>z</i>	+0.0053527	ω 130.58930	-0.13311621 -0.17030574
	± 0.0000073	Ω 282.47060	+0.28230316 +0.93780215
<i>e</i>	0.9951069	<i>i</i> 89.42968	+0.95004473 -0.30252783

From 2088 observations 1993 Apr. 27–1997 Apr. 9, mean residual 0".80.

P/1996 A1 (Jedicke)

Epoch 1995 Aug. 31.0 TT = JDT 2449960.5

T 1995 Aug. 15.90976 TT

		Nakano	
<i>q</i>	(2000.0)	P	Q
<i>n</i>	0.05104701	ω 224.12942	-0.39199262 -0.91363187
<i>a</i>	7.1970721	Ω 249.21974	+0.87276620 -0.33227023
<i>e</i>	0.4365354	<i>i</i> 6.62032	+0.29089680 -0.23425051

P 19.31

From 295 observations 1996 Jan. 14–1997 Apr. 12, mean residual 0".60.

P/1997 B1 (Kobayashi)

Epoch 1997 Mar. 13.0 TT = JDT 2450520.5

T 1997 Mar. 2.33587 TT

		Nakano	
<i>q</i>	(2000.0)	P	Q
<i>n</i>	0.03917464	ω 183.33520	-0.88550605 -0.45143222
<i>a</i>	8.5861677	Ω 329.06412	+0.43108411 -0.70996515
<i>e</i>	0.7607168	<i>i</i> 12.34917	+0.17333646 -0.54051682

P 25.16

From 209 observations 1997 Jan. 30–1997 Apr. 13, mean residual 0".45.

C/1997 BA₆ (Spacewatch)

Epoch 1999 Dec. 8.0 TT = JDT 2451520.5

T 1999 Nov. 26.76122 TT

		Nakano	
<i>q</i>	(2000.0)	P	Q
<i>z</i>	-0.0000835	ω 285.91669	+0.01054033 +0.76568187
	± 0.0001750	Ω 317.66479	+0.00230850 -0.64318575
<i>e</i>	1.0002868	<i>i</i> 72.73816	-0.99994178 +0.00658613

From 93 observations 1997 Jan. 11–Mar. 31, mean residual 0".59.

P/1997 C1 (Gehrels)

<i>T</i>	1996 Jan. 28.42336 TT		Nakano	
<i>q</i>	3.5606140	(2000.0)	P	Q
<i>n</i>	0.05653479	ω 211.16921	+0.22440598	-0.97383340
<i>a</i>	6.7234504	Ω 225.89020	+0.90406700	+0.22180568
<i>e</i>	0.4704186	<i>i</i> 2.86780	+0.36373730	+0.04950507

P 17.43
From 129 observations 1997 Feb. 2–Apr. 1.

C/1997 D1 (Mueller)

<i>T</i>	1997 Oct. 11.76898 TT		Nakano	
<i>q</i>	2.2460690	(2000.0)	P	Q
		ω 185.03785	-0.09068028	+0.78775774
		Ω 279.17822	+0.93390622	+0.27971618
<i>e</i>	1.0	<i>i</i> 141.88982	+0.34582691	-0.54881381

From 132 observations 1997 Feb. 20–Apr. 15.

C/1997 G1 (Montani)

<i>T</i>	1997 Sept. 16.04061 TT		Marsden	
<i>q</i>	4.3004531	(2000.0)	P	Q
		ω 241.61980	-0.81778053	-0.57200794
		Ω 263.42219	+0.54790268	-0.73994514
<i>e</i>	1.0	<i>i</i> 3.66929	+0.17617508	-0.35396060

From 16 observations 1997 Apr. 9–19.

C/1997 G2 (Montani)

<i>T</i>	1998 Apr. 13.33089 TT		Marsden	
<i>q</i>	3.0173571	(2000.0)	P	Q
		ω 240.89277	-0.01717113	+0.63287977
		Ω 55.85378	-0.20353091	+0.75575188
<i>e</i>	1.0	<i>i</i> 69.27628	-0.97891793	-0.16823283

From 34 observations 1997 Apr. 12–19.

One-opposition minor planets

Planet	<i>H</i>	Epoch	<i>M</i>	ω	Ω	<i>i</i>	<i>e</i>	<i>a</i>	Arc	O	N	C
1980 TE ₄	14.9	801008	0.04	10.78	2.00	1.35	0.2041	2.3283	9	6	N	
1988 RY ₅	13.0	880827	328.72	189.82	187.49	1.83	0.1693	2.8780	13	25	W	
1988 RZ ₅	14.0	880916	3.71	165.22	170.94	3.37	0.1125	2.3628	63	27	W	
1988 RA ₆	15.0	880827	342.63	25.73	336.02	6.09	0.2267	2.1970	31	27	W	
1988 RG ₆	12.5	880827	60.70	257.07	347.75	0.66	0.2297	3.0390	10	17	W	
1988 RM ₈	15.5	881006	351.09	12.15	8.70	4.98	0.2333	2.3833	57	15	W	
1988 SU ₂	14.0	881006	157.47	84.62	120.31	2.68	0.0184	2.5922	58	12	W	
1989 AH ₃	13.0	881225	33.19	321.41	120.04	15.77	0.0934	3.2290	9	8	W	
1989 AM ₃	13.5	881225	359.93	178.71	299.41	10.83	0.1317	2.6400	17	9	W	
1989 AN ₃	14.0	890114	57.77	292.10	117.81	5.34	0.1472	2.2825	31	11	W	
1989 AL ₆	14.5	890114	117.04	246.44	112.91	1.79	0.0887	2.2381	27	7	W	
1989 BC ₁	13.5	890203	50.46	288.39	119.47	27.54	0.2775	2.6557	62	13	D W	
1989 FQ	14.0	890315	301.44	231.62	33.60	3.83	0.2121	2.3794	22	9	W	
1989 GL	14.0	890315	3.68	156.38	17.37	21.40	0.1907	2.2772	57	15	W	
1989 RX	13.0	890911	340.06	131.39	237.50	7.16	0.1972	2.6900	31	13	W	
1989 RY	15.5	890822	338.24	141.05	233.11	5.72	0.3147	2.5673	8	11	W	
1989 UW ₃	12.5	891110	39.67	118.96	235.24	12.37	0.1928	2.5807	36	9	W	
1990 FH ₁	11.0	900330	248.22	178.21	138.50	2.54	0.1039	3.0843	24	6	W	
1991 PV ₁₁	13.5	910812	80.42	93.13	147.40	13.15	0.1556	2.4175	40	10	W	
1991 RE	15.0	910812	343.42	66.58	296.70	2.92	0.2279	2.5783	40	14	W	
1991 RF ₁	15.0	910812	35.40	134.06	147.68	3.08	0.2258	2.2373	40	15	W	
1991 RG ₁	15.5	910812	6.21	294.63	31.93	1.76	0.1991	2.3883	40	17	W	

1991 RH ₁	15.5	910812	341.94	3.64	359.41	5.11	0.2012	2.2892	40	18	W	
1991 RH ₂	13.0	910812	340.07	10.59	355.38	10.53	0.0881	3.0320	40	12	W	
1991 RT ₁₇	13.0	910812	20.82	53.86	259.61	1.53	0.1527	3.0770	40	13	W	
1991 RV ₁₇	15.0	910812	356.26	15.94	326.69	2.05	0.2203	2.4272	40	12	W	
1991 RX ₂₁	12.5	910812	296.37	260.60	159.33	14.50	0.1180	3.2097	40	8	W	
1991 RD ₂₂	15.5	910901	354.96	282.77	68.75	3.56	0.2139	2.3962	3	8	W	
1991 RL ₂₂	15.5	910901	15.70	206.82	110.43	4.25	0.2476	2.3644	3	6	E W	
1991 RA ₂₄	15.0	910812	328.22	12.57	11.31	2.27	0.2206	2.3879	39	8	W	
1991 RB ₂₄	14.5	910812	33.31	143.49	142.13	4.04	0.2123	2.4032	35	12	W	
1991 RO ₂₄	16.0	910812	0.60	179.02	150.65	9.57	0.3088	2.3159	39	8	W	
1991 SU	14.5	910921	324.99	284.40	110.17	8.40	0.1372	2.4131	28	5	W	
1991 SW	13.5	910921	26.33	202.07	115.15	10.67	0.0829	3.1681	28	8	W	
1991 SX	16.0	910921	11.49	217.10	116.76	6.69	0.1918	2.3004	49	9	W	
1991 SZ	14.0	910921	26.52	261.75	53.00	7.23	0.1511	2.3982	37	11	W	
1991 SA ₁	14.0	910921	6.27	198.00	143.63	15.42	0.1631	3.0368	37	10	W	
1991 SB ₁	15.5	910921	356.29	265.99	89.80	7.33	0.1369	2.3414	58	10	W	
1991 SD ₁	14.0	910921	114.10	90.46	132.73	13.79	0.1346	2.5519	34	8	W	
1991 SJ ₂	15.5	910812	0.18	13.99	319.80	8.29	0.2232	2.4146	40	11	W	
1991 SK ₂	13.0	910812	14.47	351.09	328.93	9.40	0.1273	3.0508	40	9	W	
1991 TB	15.0	910901	313.95	8.94	28.16	7.88	0.1901	2.3184	60	8	W	
1992 AQ	15.5	911230	348.19	18.24	105.86	25.16	0.2203	2.2999	36	13	W	
1992 AV ₁	14.0	920119	28.55	329.33	110.72	24.78	0.0732	1.9473	27	10	W	
1992 BR	11.5	920119	57.47	107.73	317.38	11.96	0.1723	3.1502	8	7	E W	
1992 OQ ₁	15.5	920717	11.72	348.12	301.26	4.20	0.1882	2.3289	38	20	W	
1992 OF ₃	15.5	920717	11.24	333.48	317.96	4.14	0.1777	2.2457	38	17	W	
1992 PO ₁	16.0	920717	353.43	20.16	299.65	3.12	0.2481	2.3989	42	14	W	
1992 PY ₁	15.5	920717	340.50	32.44	305.26	6.30	0.1392	2.3544	42	25	W	
1992 PT ₃	15.0	920717	1.35	223.49	82.83	2.37	0.2749	2.2400	57	14	W	
1992 PT ₄	14.0	920806	25.21	152.87	135.32	9.65	0.1712	2.4168	22	10	W	
1992 QW	14.5	920826	349.99	339.49	5.71	5.95	0.2049	2.2474	29	7	W	
1992 TZ ₁	15.5	920915	337.97	305.63	109.28	7.93	0.2446	2.4707	4	5	W	
1992 UW ₁	13.5	921025	69.34	222.42	81.51	4.13	0.1748	2.4004	7	8	W	
1992 UX ₂	14.5	921025	42.30	124.41	211.47	5.98	0.2221	2.2528	39	12	W	
1992 UB ₃	12.0	921025	39.00	312.11	43.98	13.20	0.1226	2.6535	39	22	W	
1992 UN ₃	12.5	921025	348.82	179.79	234.17	14.24	0.0159	2.6920	37	16	W	
1992 UP ₃	14.0	921025	359.42	11.94	29.34	3.77	0.1993	2.4436	37	12	W	
1992 UR ₄	15.5	921025	339.67	140.14	291.51	1.61	0.2333	2.2823	34	10	W	
1992 UO ₅	13.0	921025	335.53	350.67	77.07	9.75	0.0725	2.7299	35	8	W	
1992 UZ ₅	12.5	921025	333.12	10.72	66.47	14.50	0.1010	3.1259	40	12	W	
1992 UA ₆	13.5	921025	17.73	101.28	283.03	2.76	0.1123	2.3655	33	11	W	
1992 UC ₆	14.0	921025	17.36	143.74	240.83	6.98	0.1127	2.2911	33	12	W	
1992 UG ₆	14.0	921025	5.44	338.19	52.68	7.68	0.3187	2.6154	14	13	W	
1992 UL ₆	13.5	921025	334.78	4.58	75.01	6.31	0.1799	2.7370	38	13	W	
1992 UO ₆	13.5	921025	17.06	276.38	96.79	8.70	0.2439	2.7940	35	10	W	
1992 VL	13.0	921025	14.10	262.23	111.11	9.16	0.3057	3.0094	32	8	W	
1992 VQ	13.0	921025	356.72	284.74	124.06	1.65	0.1868	3.0946	37	15	W	
1992 WG	13.0	921025	359.63	353.86	53.91	13.15	0.1244	3.0456	24	10	W	
1992 WJ	14.0	921025	308.39	87.55	26.24	2.57	0.1533	2.4247	33	14	W	
1992 WM	13.5	921025	298.48	66.24	50.98	7.54	0.0780	2.2797	33	10	W	
1992 WP	13.5	921025	9.55	336.04	57.03	13.37	0.1780	2.5579	33	10	W	
1992 WR	14.0	921025	328.62	31.87	56.05	5.59	0.1346	2.3032	33	8	W	
1992 WF ₁	11.5	921114	38.40	263.28	101.84	11.06	0.1050	3.0274	50	12	W	
1992 WV ₁	14.5	921025	341.86	13.79	58.34	3.68	0.1875	2.3891	33	10	W	
1992 WZ ₁	12.5	921025	29.98	336.38	37.05	10.69	0.1002	3.0315	27	10	W	
1993 DC ₁	13.5	930314	297.09	126.41	127.87	2.96	0.1594	2.3743	48	7	W	
1993 EE	14.0	930314	338.43	67.45	136.45	3.95	0.1460	2.2830	44	26	W	
1993 FL ₁	13.5	930403	331.14	177.17	38.80	7.31	0.0540	2.3378	25	14	W	
1993 FM ₁	13.0	930314	107.33	282.05	141.11</							

1993 FQ ₁	13.0	930314	281.37	129.03	139.73	7.07	0.0887	2.3960	6	8	W	1996 RW ₂₉	960914	1.31	198.08	145.67	12.35	0.0272	5.2087	9	8	E W	
1993 FR ₁	12.0	930314	288.58	186.29	76.83	5.80	0.0977	3.2187	6	8	W	1996 RA ₃₀	960914	347.40	346.36	11.72	12.75	0.0352	5.1520	10	8	W	
1993 FJ ₄₀	13.7	930403	59.78	314.99	170.13	5.68	0.0518	2.2780	28	4	D N	1996 RK ₃₀	960914	179.40	189.03	333.71	7.16	0.0340	5.1803	8	8	E W	
1993 HS ₁	14.0	930423	347.52	199.25	29.80	8.27	0.1132	2.2496	31	8	W	1996 RR ₃₀	960914	135.47	1.15	202.29	2.61	0.0898	5.2238	8	8	E W	
1993 QU	14.0	930821	356.50	354.85	346.38	18.76	0.2649	2.6245	36	9	W	1996 RU ₃₀	960914	6.65	52.99	299.80	1.65	0.0440	3.8204	8	6	E W	
1993 QD ₁	14.5	930801	337.69	16.80	340.33	13.60	0.2614	2.6130	55	10	W	1996 RW ₃₀	960914	358.09	115.60	234.61	4.75	0.0255	5.2277	4	4	E W	
1993 QU ₁	15.5	930821	355.58	183.58	160.51	6.36	0.2572	2.4026	39	11	W	1996 RZ ₃₀	12.5	960914	279.46	265.98	178.63	6.79	0.1423	5.1583	16	11	W
1993 QE ₃	16.5	930821	359.36	197.38	139.97	3.18	0.2381	2.1442	39	14	W	1996 RE ₃₁	960914	359.91	28.38	320.78	6.68	0.0383	5.2002	2	6	E W	
1993 QL ₄	16.0	930821	12.07	178.03	140.65	3.00	0.2464	2.3486	37	15	W	1996 RX ₃₁	960914	359.83	194.05	154.33	12.34	0.0259	5.2335	2	4	E W	
1993 QS ₄	14.5	930821	337.23	28.15	347.16	13.14	0.1976	2.5809	56	17	W	1996 RB ₃₂	960914	308.68	265.18	136.72	6.87	0.0235	5.2201	2	4	E W	
1993 QU ₄	14.0	930821	24.56	152.80	159.61	11.16	0.1115	2.5509	37	18	W	1996 RD ₃₂	960914	2.27	284.92	61.05	4.05	0.0853	5.1360	2	4	E W	
1993 QH ₇	15.5	930821	14.85	174.52	145.31	2.59	0.1338	2.2314	37	14	W	1996 RF ₃₂	960914	352.73	341.97	15.57	7.50	0.0565	5.1940	2	3	E W	
1993 QH ₈	13.0	930821	52.63	194.77	82.33	2.73	0.1386	3.2186	37	11	W	1996 RG ₃₂	960914	195.17	162.78	355.60	14.08	0.0791	5.1947	2	7	E W	
1993 QO ₈	14.5	930821	297.04	28.41	38.60	3.03	0.2064	2.3447	37	11	W	1996 RH ₃₂	960914	359.63	307.26	44.69	1.30	0.1273	3.1561	2	6	E W	
1993 QW ₈	14.0	930801	250.08	101.99	359.24	9.03	0.1388	2.3484	29	10	W	1996 RL ₃₂	960914	359.32	332.29	21.44	6.92	0.0531	5.1705	8	5	E W	
1993 QA ₉	15.0	930821	49.95	132.89	140.91	3.13	0.1810	2.4461	37	14	W	1996 RF ₃₃	960914	359.73	240.63	112.32	6.65	0.0102	5.1505	2	4	E W	
1993 QE ₉	15.0	930821	327.26	239.11	145.44	4.16	0.1462	2.3231	37	11	W	1996 RJ ₃₃	960914	359.73	301.19	52.23	6.94	0.0446	5.2313	2	4	E W	
1993 QJ ₉	13.5	930801	304.81	23.24	44.09	2.63	0.2880	3.1403	29	11	W	1996 ST ₁	12.5	960914	172.63	349.41	202.99	6.95	0.0427	5.0270	8	7	E W
1993 RA ₂	14.5	930910	9.02	167.08	166.39	4.44	0.3295	2.6555	28	18	W	1996 SO ₈	960914	960914	0.54	44.96	303.38	5.08	0.1069	5.2438	9	10	E W
1993 SP ₂	15.0	930910	23.60	165.62	152.21	3.13	0.1937	2.4031	26	11	W	1996 TM ₃	15.5	961004	49.35	135.48	168.24	6.38	0.1226	2.3118	22	28	W
1993 SO ₄	16.0	930821	333.89	227.44	152.36	2.23	0.2343	2.2500	32	13	W	1996 TN ₃	16.0	961004	331.85	226.82	178.31	12.77	0.1824	2.6204	11	32	W
1993 SU ₄	13.5	930821	356.61	351.83	354.43	12.11	0.0365	2.7953	56	13	W	1996 TP ₃₉	16.0	960914	321.83	266.17	144.96	2.84	0.1798	2.3879	30	11	W
1993 SD ₅	14.5	930821	349.64	0.08	353.87	6.32	0.1144	2.2101	56	13	W	1996 TD ₄₀	13.5	960914	15.40	220.44	117.98	2.39	0.1413	3.0992	35	17	W
1994 RT ₁	14.0	940905	347.70	201.86	167.89	20.48	0.2907	2.5651	38	12	W	1996 TU ₄₈	15.0	960914	321.66	151.14	260.93	1.38	0.1710	2.4261	15	12	W
1994 UL	13.0	941104	25.96	315.98	60.82	11.66	0.1745	2.8724	28	12	W	1996 TN ₄₉	11.0	960914	301.16	221.97	207.43	10.47	0.0688	5.1811	25	8	W
1994 UO	13.0	941104	23.06	240.50	146.63	2.76	0.0837	2.8943	32	15	W	1996 TS ₄₉	11.0	960914	35.25	95.58	227.94	4.48	0.0678	5.1725	23	17	W
1994 UQ	12.0	941104	150.19	197.35	61.66	13.77	0.1268	2.6809	28	13	W	1996 TC ₅₁	12.0	960914	350.39	178.11	184.00	7.07	0.0959	5.2393	39	23	W
1994 UR	14.5	941104	346.66	349.80	81.62	4.14	0.1624	2.4394	28	10	W	1996 TH ₅₂	11.0	960914	264.94	85.10	3.93	9.46	0.0250	5.0897	22	13	W
1994 VH ₁	13.0	941104	282.22	48.68	87.41	4.09	0.0608	2.6354	23	15	W	1996 TD ₅₇	10.5	960914	123.16	291.46	288.27	8.94	0.1527	5.0278	17	7	W
1994 VK ₁	14.5	941104	27.25	164.84	210.46	3.82	0.1242	2.2227	23	14	W	1996 TA ₅₈	11.0	960914	65.68	301.14	330.22	11.86	0.1704	5.1382	17	7	E W
1994 VV ₂	12.5	941104	36.17	291.12	73.60	10.03	0.1802	2.7736	24	10	W	1997 AO ₁	10.5	970201	186.95	187.29	112.88	5.19	0.0731	3.9491	41	12	N
1994 VW ₂	14.0	941104	11.99	312.45	78.28	5.08	0.2971	2.6758	24	13	W	1997 AC ₂	13.5	970112	335.46	180.12	333.58	7.87	0.1924	3.0788	23	12	W
1994 VM ₆	13.0	941104	16.14	142.52	239.83	7.50	0.2470	2.7683	25	8	W	1997 AZ ₃	12.5	970201	336.41	29.33	128.37	15.45	0.0447	2.5981	41	10	N
1994 VC ₇	10.5	941104	77.98	266.45	52.64	14.00	0.1609	4.0110	25	13	W	1997 AQ ₄	13.6	970201	302.75	86.42	111.27	5.04	0.0847	2.2958	41	12	N
1994 VD ₇	12.0	941104	88.90	78.36	234.96	20.22	0.1072	3.1712	23	9	W	1997 AL ₆	15.0	970201	40.96	138.83	286.77	21.33	0.0442	2.6239	72	18	W
1994 WT ₃	14.5	941104	5.39	156.44	244.03	6.36	0.3407	2.5738	37	12	D W	1997 AW ₆	14.6	970201	162.59	329.98	355.49	4.46	0.0946	2.5835	39	19	N
1994 XC ₄	16.5	941124	9.26	180.20	226.10	6.77	0.1926	2.2863	10	13	W	1997 AX ₆	13.5	970112	46.84	293.46	141.06	14.48	0.0639	3.1460	38	13	W
1995 OL ₁₀	16.5	950722	34.26	119.04	134.67	2.20	0.2114	2.3210	5	3	E W	1997 AY ₆	15.2	970201	43.16	129.39	303.45	6.72	0.2119	2.7998	38	22	N
1996 RU	16.5	960914	4.69	33.81	317.84	1.15	0.2455	2.4191	32	31	W	1997 AA ₇	15.2	970201	52.31	282.72	136.27	2.78	0.2304	2.5364	36	15	N
1996 RN ₇	13.0	960825	210.63	337.03	175.45	5.52	0.1229	5.0605	16	13	E W	1997 AB ₇	15.3	970201	303.27	94.44	107.78	2.78	0.0977	2.4082	36	13	N
1996 RH ₁₀	12.5	960914	241.32	318.38	158.94	17.94	0.1275	5.1944	14	7	E W	1997 AC ₇	12.5	970201	352.28	3.92	136.46	12.64	0.0767	2.7092	36	10	N
1996 RD ₁₂	12.5	960914	281.08	76.91	3.53	9.67	0.1337	5.2962	13	20	W	1997 AE ₇	14.5	970201	349.58	335.49	169.37	4.73	0.1000	2.4212	59	16	W
1996 RO ₁₄	11.5	960914	266.32	96.23	353.69	7.85	0.1201	5.2937	13	16	E W	1997 AG ₇	16.2	970221	33.68	249.34	198.33	2.86	0.2269	2.4147	54	12	N
1996 RX ₁₅	13.0	960914	129.91	239.34	343.24	4.48	0.0409	5.0517	9	8	E W	1997 AO ₇	13.1	970201	228.90	121.41	152.35	4.91	0.1292	2.2132	36	12	N
1996 RT ₂₀	19.5	960825	356.52	9.60	340.25	3.01	0.3720	2.5458	15	11	W	1997 AP₁₀	17.5	970112	204.85	355.92	293.15	6.41	0.6306	1.4421	17	28	W
1996 RS ₂₅	12.0	960914	326.34	34.27	354.31	12.88	0.1165	5.2401	9	9	E W	1997 AR ₁₂	11.9	970201	72.16	87.61	317.57	9.15	0.0876	3.0259	33	10	N
1996 RY ₂₆		960825	356.87	217.60	123.98	1.56	0.2141	3.1681	2	4	E W	1997 AS ₁₂	14.2	970201	273.22	126.51	107.65	9.55	0.1750	2.4419	33	16	N
1996 RK ₂₇		960825	353.85	161.84	187.99	10.30	0.0727	5.1666	5	6	E W	1997 AT ₁₂	13.6	970201	35.51	105.44	329.30	3.91	0.2195	2.5792	33	10	N
1996 RO ₂₇		960825	1.11	18.50	329.76	6.20	0.0171	5.1936	4	4	E W	1997 AU ₁₂	13.9	970201	25.44	137.38	323.26	6.18	0.0409	2.3020	33	10	N
1996 RQ ₂₇		960825	56.54	100.75	176.78	19.56	0.0901	1.8434	5	7	W	1997 AV ₁₂	12.4	970201	59.61	328.23	87.08	3.30	0.1320	3.1069	33	10	N
1996 RV ₂₇		960914	186.28	182.65	345.64	19.57	0.0195	5.2940	12	8	E W	1997 AW ₁₂	15.4	970201	343.45	196.92	313.73	12.23	0.1392	2.6435	35	16	N

1997 AM ₁₃	13.8	970201	333.72	103.71	54.67	7.17	0.0430	2.3620	33	12	N	1997 BR ₆	14.3	970313	61.01	99.02	336.31	4.89	0.1476	2.3248	61	19	N
1997 AY ₁₄	13.5	970201	143.21	43.26	301.34	20.73	0.0194	3.1614	59	30	M	1997 BM ₈	15.0	970201	151.05	32.52	306.72	4.44	0.1572	2.2177	34	10	W
1997 AE ₁₅	13.9	970201	17.17	17.47	86.89	13.96	0.1268	2.5522	30	8	N	1997 BU ₈	15.5	970201	149.55	190.67	155.76	1.70	0.0242	2.6347	34	10	W
1997 AF ₁₅	13.5	970201	340.53	94.68	57.83	7.52	0.1308	2.4650	30	8	N	1997 BV ₈	16.0	970201	155.54	194.17	140.47	6.00	0.1870	2.2159	34	8	W
1997 AA ₁₆	16.0	970112	18.05	210.40	238.83	0.65	0.1910	3.0470	8	15	W	1997 BH ₉	14.5	970201	38.33	322.00	136.28	2.70	0.0487	2.2909	34	9	W
1997 AC ₁₆	17.0	970112	40.16	305.78	119.70	5.89	0.1202	2.2966	25	33	W	1997 BO ₉	15.0	970221	328.93	33.79	146.28	4.48	0.0582	2.2708	68	20	W
1997 AF ₁₆	16.0	970112	270.11	277.99	323.71	7.35	0.2084	2.3225	3	15	W	1997 BP ₉	14.5	970201	317.60	85.63	139.36	11.68	0.3905	3.0344	39	12	W
1997 AU ₁₆	13.9	970201	22.33	330.95	109.97	31.38	0.3231	3.1318	29	10	N	1997 CA	15.0	970221	50.68	146.67	304.04	3.22	0.1183	3.0195	39	11	W
1997 AN ₁₇	13.0	970201	66.32	87.95	285.77	22.25	0.2879	2.3388	56	38	M	1997 CB	14.5	970221	169.48	191.22	156.59	11.34	0.2790	2.3489	72	17	W
1997 AO ₁₇	16.5	970201	341.87	51.08	97.52	10.32	0.1394	2.3466	66	17	W	1997 CQ	13.2	970201	312.84	46.14	145.33	7.32	0.0285	2.3617	28	8	N
1997 AQ ₁₇	14.0	970112	117.63	47.25	294.25	5.44	0.1950	2.8042	45	23	W	1997 CR	12.9	970221	162.94	209.27	137.72	13.44	0.1731	2.7036	32	8	N
1997 AT ₁₇	15.5	970201	358.18	72.39	56.02	1.96	0.2276	3.0778	52	23	W	1997 CU	13.3	970221	344.49	7.48	157.89	6.08	0.0501	2.3828	31	8	N
1997 AV ₁₇	18.5	970112	20.47	325.39	118.19	9.04	0.2097	2.1601	3	10	E W	1997 CV	13.1	970221	327.56	34.40	150.99	13.10	0.0720	2.7421	31	8	N
1997 AY ₁₇	14.5	970221	44.26	54.36	21.64	3.19	0.2268	2.3187	50	14	N	1997 CX	13.8	970221	328.40	86.02	109.59	4.28	0.1428	2.2342	28	8	N
1997 AZ ₁₇	14.2	970201	2.51	77.69	55.53	2.99	0.1086	2.2919	50	34	N	1997 CY	12.7	970221	61.73	263.96	182.57	2.86	0.0053	2.8055	28	8	N
1997 AA ₁₈	11.2	970201	73.29	305.42	109.64	11.12	0.0848	3.0397	29	8	N	1997 CZ	13.1	970221	117.10	268.66	119.36	7.16	0.0916	2.3969	28	8	N
1997 AB ₁₈	13.5	970221	50.60	94.87	350.75	6.59	0.0761	2.3915	50	14	N	1997 CB ₁	14.8	970221	75.44	255.10	165.02	4.88	0.1183	2.2216	38	25	N
1997 AC ₁₈	12.5	970201	301.64	104.70	102.02	8.60	0.0977	2.5928	29	8	N	1997 CG ₁	12.8	970221	90.31	311.58	95.89	6.17	0.1427	2.5883	28	8	N
1997 AY ₂₁	16.5	970112	45.78	284.91	122.45	5.22	0.2286	2.5601	20	31	W	1997 CH ₁	13.2	970221	289.48	278.50	306.74	4.83	0.0473	2.7246	28	12	N
1997 AZ ₂₁	13.0	970201	247.92	242.51	19.11	1.04	0.1294	3.1162	59	26	W	1997 CJ ₁	14.0	970221	292.66	166.29	76.79	3.17	0.1886	2.3279	28	8	N
1997 AK ₂₂	15.0	970112	269.03	107.36	119.72	13.38	0.1745	2.7434	21	15	W	1997 CL ₁	14.4	970221	37.59	22.91	80.52	3.55	0.1601	2.4514	28	8	N
1997 AG ₂₄	16.0	970112	124.58	216.92	121.43	6.31	0.1568	2.2283	8	11	W	1997 CM ₁	13.5	970221	331.00	180.18	14.03	5.49	0.1627	2.6274	32	8	N
1997 BA	15.2	970201	343.19	44.76	118.51	13.31	0.2163	2.5612	46	13	N	1997 CN ₁	14.6	970221	38.36	54.09	46.76	4.58	0.1739	2.5827	32	8	N
1997 BE	15.0	970201	340.12	192.13	323.34	9.84	0.0357	2.9725	52	27	W	1997 CO ₁	14.2	970221	326.37	244.80	310.42	1.56	0.1552	2.3563	28	12	N
1997 BL	14.0	970201	15.32	14.26	100.24	7.62	0.1943	2.5535	42	10	N	1997 CX ₂	12.5	970221	121.48	35.78	354.04	5.87	0.0404	2.7234	26	8	N
1997 BU	13.2	970221	347.45	12.51	141.54	15.44	0.1526	3.0859	30	10	N	1997 CZ ₂	13.6	970221	330.46	93.90	101.48	3.15	0.1606	2.3457	26	8	N
1997 BF ₁	15.5	970221	343.14	214.97	311.34	5.20	0.2039	2.3434	63	14	W	1997 CK ₄	13.1	970221	280.30	172.33	64.65	7.49	0.0617	2.3244	25	9	N
1997 BO ₁	12.5	970221	114.37	314.15	59.63	2.40	0.0800	2.9724	28	10	N	1997 CK ₅	14.0	970201	284.55	256.32	317.28	8.68	0.0112	3.0064	33	14	W
1997 BQ ₁	13.0	970201	314.59	75.44	129.08	12.94	0.1982	3.2850	15	8	N	1997 CL ₅	15.0	970201	320.76	71.47	131.72	2.65	0.2856	2.6979	33	16	W
1997 BS ₁	12.9	970221	58.64	317.18	122.63	10.57	0.0513	3.0466	36	14	N	1997 CT ₅	14.5	970221	31.19	131.57	325.20	6.96	0.0562	2.2728	60	31	M
1997 BW ₁	13.3	970221	45.12	75.66	358.76	4.80	0.2445	2.9735	36	14	N	1997 CU ₅	15.5	970221	342.44	22.33	137.10	5.40	0.0925	2.3507	62	33	M
1997 BX ₁	15.9	970221	12.49	77.70	49.21	3.23	0.1896	2.3466	36	12	N	1997 CV ₅	16.0	970221	20.07	81.46	31.20	3.80	0.2035	2.5810	30	24	M
1997 BC ₂	12.2	970221	102.32	262.40	119.75	11.72	0.1226	2.9992	28	13	N	1997 CW ₅	14.0	970221	50.25	99.11	342.46	10.72	0.0958	2.9847	30	28	W
1997 BJ ₂	15.5	970201	262.25	119.51	121.40	6.51	0.0830	2.3026	44	16	W	1997 CC ₆	16.0	970201	4.09	2.45	126.18	8.01	0.3258	3.0382	64	23	W
1997 BK ₂	14.2	970221	24.33	125.77	345.65	3.77	0.1747	2.5460	35	12	N	1997 CK ₆	16.5	970201	278.17	244.47	340.67	6.53	0.0591	2.3138	31	12	W
1997 BM ₂	13.1	970221	289.88	259.26	329.04	22.67	0.1292	2.4196	35	16	N	1997 CR ₆	15.7	970201	61.93	84.79	317.92	28.78	0.2293	2.6046	9	8	N
1997 BN ₂	13.0	970221	231.18	292.13	346.60	9.62	0.0707	3.0689	27	10	N	1997 CS ₆	16.5	970201	15.40	341.02	134.13	2.92	0.1620	2.3641	30	15	W
1997 BO ₂	13.5	970221	324.88	186.34	4.78	5.00	0.1400	2.4251	35	16	N	1997 CC ₇	13.5	970221	195.82	181.41	125.38	10.12	0.0074	3.0565	62	26	W
1997 BP ₂	13.4	970221	344.55	34.94	131.96	28.57	0.1502	3.1604	33	11	N	1997 CD ₇	15.5	970221	352.82	157.65	355.58	2.63	0.1136	2.3930	55	26	W
1997 BS ₂	14.9	970221	36.62	96.54	358.83	3.40	0.1711	2.6076	27	13	N	1997 CL ₁₃	14.5	970221	49.72	322.43	138.85	8.51	0.1482	2.5546	71	23	W
1997 BT ₂	14.9	970221	32.60	133.26	329.51	12.33	0.1462	2.5797	35	17	N	1997 CG ₁₆	17.5	970221	9.70	14.57	122.88	1.00	0.2183	2.6663	33	9	W
1997 BU ₂	15.1	970221	335.02	64.60	117.77	6.73	0.1823	2.5324	27	10	N	1997 CW ₁₆	15.0	970201	81.45	260.20	137.46	17.79	0.1572	2.6452	27	16	W
1997 BV ₂	13.6	970221	96.29	335.24	67.97	3.22	0.0499	2.8681	27	10	N	1997 CB ₁₇	14.1	970221	50.64	92.35	352.01	6.76	0.1038	2.6129	8	8	N
1997 BW ₂	15.2	970221	16.17	358.46	127.60	14.11	0.1035	2.5850	27	10	N	1997 CC ₁₇	13.0	970221	270.64	234.36	31.60	2.11	0.1812	2.2099	23	8	N
1997 BY ₂	14.6	970221	33.94	18.57	79.30	3.69	0.1842	2.3664	27	10	N	1997 CO ₁₉	13.8	970313	309.20	146.03	63.42	6.34	0.1045	3.1410	53	12	N
1997 BZ ₂	13.8	970221	293.04	82.53	148.88	4.08	0.1675	2.5921	35	18	N	1997 CP ₁₉	13.4	970221	60.49	293.30	139.14	13.24	0.1592	2.5586	31	22	N
1997 BC ₃	13.3	970221	328.26	188.52	351.58	6.45	0.0456	2.3646	35	14	N	1997 CQ ₁₉	13.9	970221	63.43	332.71	91.82	6.19	0.2260	2.6075	24	10	N
1997 BD ₃	13.8	970221	25.95	335.69	140.47	2.53	0.0820	2.2623	27	10	N	1997 CR ₁₉	11.5	970221	15.31	121.72	19.83	7.15	0.0667	2.7249	26	10	N
1997 BF ₃	13.4	970221	77.04	273.27	129.75	5.49	0.2216	2.3153	35	16	N	1997 CS ₁₉	14.4	970221	317.84	133.20	77.75	5.37	0.1208	2.4738	29	16	N
1997 BG ₃	14.6	970221	346.52	56.84	103.91	7.26	0.0543	2.2615	27	10	N	1997 CV ₁₉	12.8	970221	269.32	133.44	127.07	6.70	0.0898	2.3911	25	10	N
1997 BH ₃	14.5	970201	11.07	297.87	169.58	7.93	0.1905	2.7952	53	38	W	1997 CW ₁₉	14.0	970221	333.19	73.07	119.10	3.27	0.1279	2.4100	25	10	

1997 CM ₂₀	13.7	970313	22.16	63.04	74.64	3.19	0.1507	2.4011	25	10	N	1997 ET ₂	14.1	970313	6.18	5.17	166.41	14.03	0.1392	2.6560	8	8	N
1997 CN ₂₀	14.3	970221	220.00	314.07	348.21	21.32	0.0435	1.9393	25	12	N	1997 EU ₂	13.6	970313	30.49	36.28	102.53	3.01	0.1414	2.3932	8	8	N
1997 CV ₂₁	14.8	970221	200.08	304.39	22.05	4.39	0.0140	2.2366	28	13	N	1997 EV ₂	14.1	970313	4.23	11.19	162.66	13.96	0.1534	2.7355	8	8	N
1997 CX ₂₁	15.6	970313	17.80	230.63	253.37	4.73	0.1988	2.4593	48	14	N	1997 EX ₂	14.9	970313	22.25	18.14	134.86	4.11	0.0862	2.3667	5	6	N
1997 CY ₂₁	13.4	970313	359.21	8.66	159.71	13.50	0.1089	2.6622	24	10	N	1997 EY ₂	14.4	970313	24.74	28.91	118.97	3.22	0.0638	2.1930	8	8	N
1997 CZ ₂₁	13.7	970221	313.66	200.58	10.37	2.62	0.0508	2.1152	24	10	N	1997 EZ ₂	13.6	970313	304.65	209.28	31.94	6.94	0.0702	2.3665	8	8	N
1997 CA ₂₂	13.2	970221	339.62	28.09	156.40	1.52	0.0682	2.1881	24	10	N	1997 EP ₃	16.5	970313	296.79	246.18	7.09	3.89	0.1023	2.2519	42	14	W
1997 CC ₂₂	14.6	970221	320.93	208.87	358.78	4.08	0.0999	2.2357	25	17	N	1997 ER ₃	15.5	970221	249.84	308.04	353.50	4.97	0.1744	2.6613	7	15	E W
1997 CD ₂₂	15.0	970221	0.14	35.86	124.71	3.06	0.1392	2.3509	24	14	N	1997 EZ ₃	14.5	970313	305.37	243.78	359.73	4.21	0.0923	3.1824	41	15	W
1997 CE ₂₂	13.9	970221	30.94	124.47	354.17	6.93	0.1567	2.3283	24	14	D N	1997 EK ₄	16.0	970313	327.90	210.72	3.96	3.87	0.0580	2.2773	38	17	W
1997 CF ₂₂	14.0	970313	189.92	173.22	158.95	5.70	0.0297	2.7910	59	22	M	1997 EL ₄	15.5	970313	149.72	335.75	47.05	0.79	0.1900	3.2086	42	15	W
1997 CJ ₂₂	17.0	970221	350.50	345.16	171.02	2.95	0.1355	2.4050	30	15	W	1997 EN ₄	14.5	970313	223.05	328.34	2.40	12.07	0.1971	2.6357	36	15	W
1997 CK ₂₂	14.5	970313	25.01	335.91	148.44	13.68	0.1145	2.6946	53	22	M	1997 ES ₄	16.0	970313	10.19	162.45	3.70	5.40	0.1439	2.6364	44	20	W
1997 CZ ₂₅	15.1	970221	17.85	36.67	86.19	3.49	0.1302	2.3781	19	9	N	1997 ET ₄	16.0	970313	41.32	121.60	8.09	5.45	0.1184	3.0962	45	12	W
1997 CB ₂₆	14.0	970313	74.57	113.16	321.10	5.95	0.0681	2.3534	59	15	N	1997 EV ₄	16.5	970313	228.47	314.91	8.24	6.13	0.1360	2.6265	45	17	W
1997 CE ₂₆	14.5	970221	247.35	134.05	144.50	23.82	0.0692	1.9187	23	11	N	1997 EW ₄	15.0	970313	312.35	227.93	7.69	5.13	0.0789	2.7458	45	15	W
1997 CF ₂₆	14.5	970221	17.76	79.91	52.69	5.43	0.1830	2.5535	26	11	W	1997 EJ ₅	15.5	970313	250.92	291.56	11.08	0.94	0.1270	3.0944	40	15	W
1997 CG ₂₆	14.0	970221	344.14	132.10	47.00	4.72	0.1096	2.3937	23	8	N	1997 EN ₅	16.0	970313	143.46	23.88	7.31	2.04	0.0920	2.6282	40	17	W
1997 CL ₂₆	13.8	970221	355.48	92.29	73.63	5.10	0.1531	2.3862	23	8	N	1997 EQ ₅	17.0	970313	13.70	156.01	6.22	2.42	0.1100	2.4360	43	21	W
1997 CK ₂₇	16.0	970221	41.84	346.10	107.43	5.48	0.0955	2.2755	26	12	W	1997 EB ₆	14.3	970313	301.52	191.51	48.76	3.71	0.1262	2.3027	11	10	N
1997 CX ₂₇	13.0	970201	70.69	271.94	136.66	5.78	0.1659	3.1244	33	19	W	1997 EC ₆	14.5	970313	340.12	148.18	47.42	3.28	0.1181	2.4001	5	8	N
1997 CY ₂₇	12.5	970201	306.82	234.05	320.61	16.27	0.0258	2.8561	27	14	W	1997 ED ₆	14.2	970313	53.14	91.19	12.37	8.13	0.1131	2.5997	2	7	E N
1997 CL ₂₈	14.5	970221	62.67	258.74	165.70	2.37	0.1465	2.5795	20	11	W	1997 EJ ₆	13.0	970313	315.70	149.05	52.38	11.32	0.1422	3.1920	28	22	W
1997 CM ₂₈	13.5	970221	172.28	165.70	163.19	2.89	0.1041	2.6353	21	10	W	1997 EK ₆	14.0	970313	141.91	276.70	85.42	15.55	0.1655	2.5961	28	21	W
1997 CT ₂₈	15.0	970201	237.07	125.57	145.34	6.04	0.1132	2.4480	33	11	W	1997 EL ₆	13.0	970313	134.62	23.87	10.19	4.05	0.0652	3.2177	28	22	W
1997 CY ₂₈	14.0	970221	65.34	110.45	328.39	7.34	0.0780	2.3196	33	12	W	1997 EO ₆	15.0	970221	13.88	325.00	184.36	0.84	0.1819	2.4141	7	12	E W
1997 CB ₂₉	15.0	970221	315.56	49.24	148.82	5.13	0.0064	2.6124	32	12	W	1997 ED ₇	16.0	970221	105.15	140.17	257.83	5.59	0.1207	2.4358	13	12	W
1997 CO ₂₉	15.0	970201	27.88	325.01	136.58	6.85	0.2617	2.8881	7	6	E W	1997 EL ₇	16.0	970313	353.27	12.33	168.29	13.92	0.2042	2.6492	38	22	M
1997 CP ₂₉	15.0	970221	352.05	6.11	148.65	5.81	0.0622	2.3552	34	16	W	1997 EM ₇	14.5	970313	39.68	282.33	160.82	2.55	0.1659	2.4393	34	22	M
1997 DA	16.0	970221	338.97	28.76	130.62	4.46	0.1033	2.2390	55	29	W	1997 EN ₇	15.0	970221	138.61	150.89	181.88	2.56	0.1096	2.3727	5	11	W
1997 DL	16.1	970313	23.43	157.75	326.90	4.97	0.1601	2.2550	44	19	N	1997 ER ₇	15.0	970221	306.34	283.37	287.30	2.94	0.1605	2.4424	4	18	E M
1997 DP	14.5	970221	90.04	208.04	199.93	6.67	0.1297	3.1645	26	10	W	1997 ES ₇	16.0	970221	292.23	68.14	168.83	7.10	0.0474	2.3440	8	14	E W
1997 DQ	14.5	970221	40.44	100.77	2.39	8.31	0.1494	2.3633	40	20	W	1997 ET ₇	13.5	970313	280.43	287.13	348.84	21.37	0.2359	3.1565	33	20	M
1997 DR	14.0	970221	158.01	317.58	31.44	2.78	0.0292	2.7886	9	7	W	1997 EU ₇	14.0	970221	245.48	306.37	353.77	1.58	0.2058	3.1331	8	15	E W
1997 DU	15.0	970313	3.74	10.09	151.53	6.89	0.0631	2.3217	17	9	N	1997 EV ₇	14.5	970221	227.47	149.84	164.03	1.45	0.2058	3.0623	8	15	E W
1997 DW	13.5	970201	281.19	263.34	338.33	8.29	0.1096	2.7679	38	18	W	1997 EX ₇	15.0	970313	112.98	51.06	352.78	3.90	0.1353	2.5500	31	26	M
1997 DX	15.0	970221	53.45	299.21	147.19	5.94	0.1364	2.2856	12	14	W	1997 EY ₇	16.5	970221	83.35	79.41	346.47	1.31	0.1331	2.3719	4	11	E M
1997 EA	13.6	970313	17.80	354.89	149.46	10.20	0.1521	2.8506	11	8	N	1997 ED ₈	16.0	970313	5.46	157.32	6.23	3.60	0.1656	2.5862	36	14	M
1997 EC	13.3	970313	158.33	228.56	135.57	7.08	0.1574	2.2698	7	8	N	1997 EB ₉	16.0	970221	300.12	253.52	353.98	6.61	0.1614	2.2339	7	9	W
1997 EE	13.8	970313	56.78	58.87	43.04	4.06	0.0946	2.2566	11	8	N	1997 EE ₉	16.0	970313	210.79	331.18	4.74	12.51	0.1058	2.7057	44	18	W
1997 EF	13.3	970313	337.57	125.96	72.81	3.89	0.1365	2.4405	11	8	N	1997 EA ₁₀	16.5	970221	61.97	108.34	333.01	14.95	0.1173	2.5993	12	9	W
1997 EG	14.0	970313	24.56	132.55	7.74	7.18	0.0912	2.2699	11	8	N	1997 ER ₁₀	15.5	970313	249.00	302.21	0.30	15.99	0.1150	3.0882	32	15	W
1997 EH	13.8	970313	19.45	66.00	79.17	3.53	0.1176	2.4196	11	8	N	1997 ET ₁₀	15.5	970313	114.02	48.25	7.67	9.63	0.1186	3.1132	40	12	W
1997 EJ	11.6	970313	0.03	161.36	8.34	10.09	0.0347	3.0065	11	12	N	1997 EX ₁₀	14.5	970313	27.40	135.01	18.80	4.20	0.0180	3.2630	40	15	W
1997 EL	12.0	970221	159.94	215.38	148.51	10.96	0.1203	3.0041	34	11	W	1997 EF ₁₁	18.0	970221	80.65	182.55	227.55	5.80	0.2174	2.3007	8	9	W
1997 EM	13.5	970313	277.88	194.14	71.34	3.73	0.1346	2.7301	11	12	N	1997 EN ₁₁	14.0	970221	21.59	15.77	114.11	13.27	0.1670	2.7284	12	9	W
1997 EN	15.5	970313	325.21	63.34	121.75	4.05	0.0564	2.2209	31	23	W	1997 EO ₁₁	13.5	970221	76.01	313.69	112.15	14.20	0.1677	2.6941	12	9	W
1997 EV	15.5	970313	55.87	66.51	18.49	23.51	0.2388	2.3408	37	35	W	1997 EQ ₁₁	13.0	970313	2.48	30.76	180.68	25.28	0.1641	3.1281	18	12	W
1997 EL ₁	15.5	970221	56.11	123.46	302.36	3.08	0.2862	2.8616	9	10	W	1997 EK ₁₅	17.0	970221	338.85	205.58	358.65	9.62	0.2046	2.5392	11	9	W
1997 ET ₁	13.5	970313	69.89	308.99	84.81	3.19	0.0830	2.8616	36	25	M	1997 EM ₁₅	16.0	970313	293.13	262.70	1.45	6.31	0.1550	2.2413	41	24	W
1997 EA ₂	15.5	970221	76.06	222.60	203.56	2.01	0.1035	2.7412	8	10	W	1997 EN ₁₅	15.5	970313	51.59	113.92	15.60	2.68	0.0125	3.1426	43	15	W
1997 EB ₂	17.0	970221	44.86	265.30																			

1997 ES ₁₇	14.2	970313	245.43	7.50	293.28	3.77	0.2331	2.4274	13	8	N	1997 EM ₃₃	970221	326.57	65.69	115.47	7.17	0.0974	3.0452	2	6	E	W	
1997 ET ₁₇	15.0	970313	93.70	163.75	251.69	1.27	0.1504	2.1899	35	12	W	1997 EO ₃₃	970221	291.67	171.84	53.65	3.23	0.1344	2.6775	2	6	E	W	
1997 EU ₁₇	12.9	970313	153.07	34.59	334.41	14.09	0.0619	3.2391	13	8	N	1997 EP ₃₃	970221	313.78	73.08	137.44	21.33	0.2115	2.6850	2	6	E	W	
1997 EV ₁₇	15.5	970313	339.81	232.95	316.66	6.11	0.0614	2.3284	13	7	N	1997 EQ ₃₃	970221	182.44	212.11	109.15	6.21	0.2321	2.1536	2	6	E	W	
1997 EA ₁₈	15.2	970313	1.77	134.29	31.76	1.19	0.2302	2.9845	13	6	N	1997 ER ₃₃	970221	19.10	32.51	85.89	3.59	0.1479	2.4622	2	6	E	W	
1997 EF ₁₈	15.0	970221	0.36	316.74	163.77	2.40	0.2225	2.6676	2	12	E	W	1997 ES ₃₃	970221	66.37	351.25	57.34	4.08	0.2371	3.2197	2	6	E	W
1997 EG ₁₈	14.0	970313	7.01	31.86	128.87	7.05	0.0644	2.3917	26	24	W	1997 ET ₃₃	970221	93.71	281.90	106.72	5.32	0.2001	2.2165	2	6	E	W	
1997 EO ₂₂	14.5	970221	226.06	327.10	356.16	2.04	0.1606	2.7124	10	9	W	1997 EV ₃₃	970221	154.70	345.70	0.34	6.25	0.0822	2.1301	2	6	E	W	
1997 EQ ₂₂	14.5	970313	251.64	142.12	160.49	0.73	0.1115	3.1067	33	12	W	1997 EX ₃₃	970221	44.83	36.48	55.03	3.05	0.0860	2.4071	2	6	E	W	
1997 EE ₂₃	13.5	970313	81.36	0.88	99.44	7.82	0.0747	2.3911	42	24	W	1997 EY ₃₃	970221	292.06	170.55	68.39	3.31	0.2501	2.9364	2	6	E	W	
1997 EF ₂₃	14.0	970221	54.69	80.75	332.01	6.79	0.0914	2.2403	26	9	W	1997 EA ₃₄	970221	61.76	317.26	95.10	3.49	0.2490	2.5512	2	6	E	W	
1997 EM ₂₃	12.0	970313	153.20	265.77	97.53	13.25	0.1857	2.6389	11	12	W	1997 EP ₃₄	970221	324.84	53.29	138.37	19.36	0.1725	2.7772	2	6	E	W	
1997 EN₂₃	23.0	970313	359.68	352.88	178.74	6.96	0.6367	3.2513	21	17	W	1997 EF ₃₄	970221	113.12	43.60	342.05	8.41	0.0242	2.9843	2	6	E	W	
1997 EM ₂₅	14.0	970201	73.25	272.99	140.82	15.05	0.0876	2.6233	37	16	W	1997 EG ₃₄	15.0	970201	350.17	39.26	111.25	5.17	0.1194	3.0671	30	9	W	
1997 EP ₂₅	14.9	970402	38.26	121.29	352.20	2.24	0.0903	2.2701	39	14	N	1997 EH ₃₄	970221	309.41	187.31	20.15	3.41	0.1424	2.9452	2	6	E	W	
1997 ES ₂₅	15.3	970313	23.31	108.82	29.62	14.21	0.1384	2.6926	9	6	N	1997 EJ ₃₄	970221	267.27	219.20	28.56	3.36	0.1116	2.9411	2	6	E	W	
1997 EC ₂₆	17.0	970313	343.07	28.51	154.92	0.41	0.1883	2.6923	17	23	E	M	1997 EK ₃₄	970221	278.15	111.21	135.27	15.76	0.1810	3.0127	2	8	E	W
1997 EO ₂₆	16.0	970313	242.29	310.62	358.41	5.26	0.1153	3.1609	39	12	W	1997 EL ₃₄	970221	33.05	67.40	32.17	2.67	0.1735	2.3856	2	6	E	W	
1997 EQ ₂₆	17.5	970313	273.28	282.22	2.86	2.66	0.1635	2.4071	40	15	W	1997 EN ₃₄	12.5	970221	176.18	202.59	123.28	7.74	0.0607	3.0728	9	12	E	W
1997 ER ₂₆	14.0	970313	180.88	194.21	167.39	1.88	0.2055	3.0591	40	11	W	1997 EO ₃₄	970221	288.65	213.69	17.35	3.14	0.1336	2.3431	2	6	E	W	
1997 ES ₂₆	16.0	970313	30.05	115.77	26.35	1.02	0.1332	3.1538	43	15	W	1997 EP ₃₄	970221	336.54	65.26	118.74	4.40	0.2558	2.8163	2	6	E	W	
1997 EV ₂₆	17.0	970313	54.54	92.12	14.14	1.66	0.1848	2.4996	34	12	W	1997 EQ ₃₄	970221	123.10	270.73	102.19	3.37	0.0647	2.8445	2	6	E	W	
1997 EL ₂₈	15.0	970313	142.87	23.41	4.20	9.42	0.1894	2.7729	40	15	W	1997 ER ₃₄	970221	47.04	89.09	350.85	3.85	0.1676	2.3839	2	6	E	W	
1997 EM ₂₈	16.0	970313	20.15	127.88	27.00	1.13	0.1298	3.1458	37	13	W	1997 ES ₃₄	970221	337.63	64.39	104.03	2.52	0.0693	2.5092	2	6	E	W	
1997 ER ₂₈	17.5	970313	24.27	159.43	348.69	2.54	0.1168	2.6670	29	12	W	1997 EW ₃₄	970221	313.45	81.18	122.66	4.35	0.1580	3.0742	2	6	E	W	
1997 EZ ₂₈	16.0	970313	7.17	157.17	16.86	1.76	0.0359	2.9393	29	12	W	1997 EX ₃₄	970221	33.63	17.59	77.12	2.06	0.1776	3.2480	2	6	E	W	
1997 EE ₂₉	15.5	970313	5.59	226.83	304.62	0.50	0.1255	2.4241	42	22	W	1997 EY ₃₄	15.0	970201	89.51	276.94	112.11	3.38	0.1752	2.9243	30	9	W	
1997 EH₂₉	19.0	970313	116.48	198.48	175.22	13.10	0.6681	1.2149	22	21	W	1997 EZ ₃₄	970221	264.42	141.47	116.80	3.81	0.1633	2.2694	2	6	E	W	
1997 EJ ₂₉	15.5	970313	276.72	275.72	359.58	12.90	0.1090	3.1057	37	12	W	1997 EA ₃₅	970221	356.49	98.13	51.11	2.08	0.1185	2.7412	2	6	E	W	
1997 EB ₃₀	18.0	970313	309.00	235.51	14.96	3.47	0.1835	2.5579	37	12	W	1997 EE ₃₅	970221	41.53	308.50	137.38	7.89	0.1977	2.4033	2	6	E	W	
1997 EO ₃₀	14.5	970313	86.15	313.22	110.85	7.06	0.0861	2.3602	33	25	W	1997 EF ₃₅	970221	90.99	62.33	336.74	8.13	0.1177	2.6587	2	6	E	W	
1997 EP ₃₀	11.0	970313	222.73	217.29	82.64	12.63	0.1016	3.0333	17	13	W	1997 EG ₃₅	970221	64.67	315.12	117.39	2.35	0.0722	2.1832	2	6	E	W	
1997 EQ ₃₀	13.0	970313	318.04	110.37	103.27	11.53	0.1436	2.6837	17	12	W	1997 EJ ₃₅	970221	295.37	246.72	339.31	5.72	0.1586	2.4666	2	6	E	W	
1997 ET₃₀	17.0	970313	286.98	262.48	23.85	6.82	0.4513	2.1378	28	25	W	1997 EK ₃₅	13.5	970221	156.14	201.92	135.24	6.26	0.2306	2.2585	17	9	W	
1997 EY ₃₀	16.5	970313	44.58	301.07	192.14	1.41	0.0290	2.7218	42	14	W	1997 EP ₃₅	970221	46.80	115.57	331.37	6.33	0.1004	2.4328	2	6	E	W	
1997 EP ₃₁	16.5	970313	276.44	270.00	2.91	7.84	0.0707	2.7200	35	15	W	1997 EQ ₃₅	16.0	970201	338.71	26.42	137.47	3.44	0.1146	2.3870	30	12	W	
1997 ER ₃₁	14.0	970313	264.26	270.06	24.88	0.96	0.1516	3.2236	37	15	W	1997 ET ₃₅	14.5	970201	73.33	74.47	334.20	6.23	0.1420	3.1995	30	9	W	
1997 ES ₃₁	17.5	970313	106.63	63.24	3.20	6.09	0.0691	2.1906	30	12	W	1997 EX ₃₅	970221	339.12	184.98	351.67	2.16	0.2024	2.5469	2	6	E	W	
1997 EX ₃₁	17.5	970313	343.60	17.52	183.12	7.61	0.1681	2.2766	25	15	W	1997 EY ₃₅	970221	126.12	18.34	344.50	4.06	0.1933	2.1890	2	6	E	W	
1997 EE ₃₂	15.5	970313	4.36	350.45	183.41	2.22	0.1316	2.4380	33	21	W	1997 EZ ₃₅	970221	335.40	54.70	127.34	2.96	0.2023	2.6284	2	6	E	W	
1997 EF ₃₂	16.0	970313	186.33	2.07	355.44	1.55	0.2396	2.4190	32	12	W	1997 EA ₃₆	970221	61.17	302.58	122.08	2.50	0.1727	2.4340	2	6	E	W	
1997 EJ ₃₂	16.0	970313	70.73	104.76	1.35	3.70	0.0450	2.9313	34	15	W	1997 EB ₃₆	970221	76.93	267.09	127.71	4.66	0.2811	2.8116	2	6	E	W	
1997 EL ₃₂	17.5	970313	259.58	108.46	180.37	3.73	0.0601	2.7094	27	8	W	1997 EC ₃₆	970221	85.11	68.15	333.48	12.55	0.1546	2.5756	2	6	E	W	
1997 EN ₃₂	15.0	970313	95.64	69.84	6.44	4.04	0.0906	2.7203	35	12	W	1997 ED ₃₆	970221	162.40	343.03	352.89	2.07	0.2244	2.1980	2	6	E	W	
1997 EQ ₃₂	16.0	970313	245.62	311.34	4.99	7.05	0.2185	2.2484	34	15	W	1997 EE ₃₆	970221	348.13	182.73	337.01	3.24	0.1292	2.6200	2	6	E	W	
1997 ET ₃₂	15.5	970313	154.20	192.17	188.44	4.75	0.1581	3.1880	28	11	W	1997 EF ₃₆	970221	327.21	215.45	337.01	3.82	0.2052	2.7934	2	6	E	W	
1997 EU ₃₂	14.5	970313	334.52	133.98	59.77	2.64	0.0876	2.2395	18	12	W	1997 EH ₃₆	13.5	970221	279.43	84.27	143.34	12.38	0.0385	2.7531	3	9	E	W
1997 EV ₃₂	970221	279.75	258.94	350.86	9.17	0.2630	3.0481	2	6	E	W	1997 EK ₃₆	970221	42.42	115.07	328.72	6.15	0.1905	2.3318	2	6	E	W	
1997 EX ₃₂	970221	325.37	64.06	124.94	13.47	0.1588	3.1817	2	6	E	W	1997 EL ₃₆	970221	14.05	158.69	327.14	8.74	0.0790	2.7021	2	6	E	W	
1997 EY ₃₂	970221	290.71	242.77	343.82	13.52	0.1425	3.0188	2	6	E	W	1997 EO ₃₆	970221	199.63	220.24	88.91	3.73	0.2145	2.3175	2	6	E	W	
1997 EZ ₃₂	970221	63.58	48.63	6.92	6.28	0.2172	2.2987	2	6	E	W	1997 EK ₃₈	14.5	970										

1997 EU ₄₀	13.5	970221	178.53	141.28	192.13	6.86	0.2130	2.3721	2	6	E	W	1997 FD ₁	17.0	970402	356.86	182.53	349.35	24.17	0.2190	2.3200	6	9	W	
1997 EV ₄₀	13.5	970221	127.23	81.09	302.80	8.23	0.0164	2.9515	2	6	E	W	1997 FE ₁	13.0	970402	126.75	24.84	26.98	6.17	0.1133	2.7162	15	9	W	
1997 EW ₄₀	14.0	970221	112.59	200.05	177.24	11.61	0.2446	2.3177	2	6	E	W	1997 FH ₁	13.0	970402	204.31	329.14	350.35	12.74	0.1908	2.5940	10	11	M	
1997 EZ ₄₀	15.0	970221	229.66	90.78	200.83	4.89	0.0991	2.1339	2	6	E	W	1997 FJ ₁	15.5	970402	307.70	58.19	187.23	12.19	0.0798	2.6861	13	16	W	
1997 EA ₄₁	14.0	970221	61.61	135.58	311.95	10.11	0.0380	3.1692	2	6	E	W	1997 FK ₁	13.0	970402	100.62	341.06	81.95	7.28	0.0943	2.3728	12	15	W	
1997 EB ₄₁	14.5	970221	283.96	300.68	310.20	9.17	0.1844	3.1451	2	6	E	W	1997 FM ₁	16.0	970402	28.68	325.47	187.55	22.31	0.0905	1.9535	10	21	W	
1997 ED ₄₁	15.5	970221	190.64	115.49	210.64	4.08	0.1048	2.3567	2	6	E	W	1997 FN ₁	15.0	970402	327.28	9.42	231.50	4.22	0.2337	2.3441	12	13	W	
1997 EF ₄₁	15.5	970221	279.55	57.51	197.30	4.57	0.1817	2.3569	2	6	E	W	1997 FO ₁	13.5	970402	91.20	307.07	132.23	4.19	0.0452	3.0233	12	13	W	
1997 EG ₄₁	13.5	970221	66.88	114.32	310.71	7.76	0.1862	2.7755	2	6	E	W	1997 FQ ₁	16.0	970402	319.36	293.80	315.70	3.48	0.1229	2.3444	12	11	N	
1997 EK ₄₁	15.0	970221	296.75	4.01	236.19	3.41	0.2168	2.4117	2	6	E	W	1997 FU ₁	14.0	970402	210.45	272.99	90.24	15.01	0.0914	3.2181	17	12	W	
1997 EL ₄₁	15.0	970221	33.97	216.12	243.64	2.89	0.2255	2.5361	2	6	E	W	1997 FY ₁	14.5	970402	278.23	286.10	12.37	12.79	0.1905	2.7215	8	16	W	
1997 EM ₄₁	14.5	970221	56.06	99.57	325.94	15.56	0.2825	2.7135	2	6	E	W	1997 FO ₂	15.5	970402	338.29	39.44	186.05	9.52	0.2024	3.0645	6	8	E	W
1997 EN ₄₁	14.0	970221	310.64	17.00	204.31	3.78	0.1873	2.9117	2	6	E	W	1997 FS ₂	15.0	970402	88.94	261.51	193.60	8.29	0.0793	3.1536	5	6	E	W
1997 EO ₄₁	14.5	970221	86.87	205.73	200.29	4.01	0.1826	2.9347	2	6	E	W	1997 FU ₂	14.5	970402	359.54	203.29	351.87	7.01	0.1218	3.0990	6	8	E	W
1997 EQ ₄₁	13.5	970221	290.72	63.10	170.41	10.99	0.0949	3.0955	2	6	E	W	1997 FY ₂	15.5	970402	336.64	228.58	354.15	5.10	0.1056	2.2754	5	6	W	
1997 ER ₄₁	16.0	970221	342.31	245.84	291.64	2.91	0.1339	2.5226	2	6	E	W	1997 FZ ₂	15.5	970402	343.67	244.77	337.08	2.99	0.2528	3.1213	6	8	E	W
1997 ES ₄₁	14.5	970221	290.65	278.24	309.44	4.39	0.0389	2.8419	2	6	E	W	1997 FA ₃	16.5	970402	72.69	239.20	223.47	1.13	0.1582	2.3608	5	6	W	
1997 ET ₄₁	16.0	970221	56.57	165.85	277.09	1.90	0.1397	2.2883	9	9	W	1997 FB ₃	14.0	970402	185.92	171.49	197.40	13.55	0.0921	3.0577	7	6	E	W	
1997 EV ₄₁	15.0	970221	265.33	311.72	311.88	4.67	0.1338	2.4239	9	9	W	1997 FC ₃	14.5	970402	173.68	160.12	218.72	0.84	0.1225	2.9345	7	6	E	W	
1997 EW ₄₁	16.0	970221	52.12	266.73	180.21	6.03	0.1346	2.3637	2	6	E	W	1997 FD ₃	15.0	970402	268.89	279.35	13.85	3.20	0.0767	2.8285	7	10	E	W
1997 EX ₄₁	13.0	970221	291.28	14.35	226.70	3.14	0.1825	3.0201	2	6	E	W	1997 FF ₃	14.5	970402	284.44	87.90	193.33	17.60	0.1071	2.8849	7	8	E	W
1997 EZ ₄₁	15.0	970221	296.75	281.83	310.03	5.07	0.1496	2.3606	2	6	E	W	1997 FH ₃	16.5	970402	89.90	268.70	187.82	8.00	0.0577	2.4289	7	6	E	W
1997 EB ₄₂	15.5	970221	283.74	324.36	284.82	2.20	0.1704	2.3594	2	6	E	W	1997 FK ₃	17.0	970402	355.89	18.60	179.84	5.39	0.1609	2.6316	5	6	E	W
1997 EE ₄₂	16.5	970221	319.93	325.21	252.18	1.46	0.2541	2.3773	2	6	E	W	1997 FL ₃	15.5	970402	136.58	25.96	21.68	7.01	0.1212	2.3360	6	9	W	
1997 EF ₄₂	14.5	970221	288.63	272.68	326.64	12.22	0.1274	3.1146	2	6	E	W	1997 FN ₃	16.0	970402	289.59	250.42	32.21	3.92	0.1719	2.3239	6	12	W	
1997 EG ₄₂	15.5	970221	281.59	77.36	177.84	5.61	0.2010	2.4211	2	6	E	W	1997 FO ₃	16.0	970402	333.81	66.05	161.47	2.75	0.1432	2.7126	6	9	W	
1997 EH ₄₂	16.5	970221	332.78	236.84	319.22	3.85	0.2253	2.4007	2	6	E	W	1997 FP ₃	17.5	970402	39.59	115.80	22.23	2.21	0.1788	2.2393	5	6	E	W
1997 EK ₄₂	14.0	970221	293.16	268.20	321.16	5.22	0.0834	3.1725	2	6	E	W	1997 FQ ₃	16.5	970402	278.00	286.60	358.26	1.74	0.0788	2.2096	5	6	E	W
1997 EL ₄₂	15.0	970221	278.05	298.40	301.45	2.18	0.0389	2.7471	2	6	E	W	1997 FU ₃	13.0	970402	151.55	95.32	299.27	2.95	0.2043	3.0859	7	8	W	
1997 EM ₄₂	14.0	970221	96.74	78.10	324.84	9.65	0.1177	3.0498	2	6	E	W	1997 FV ₃	16.5	970402	34.82	163.00	355.31	4.92	0.0208	2.2715	7	8	E	W
1997 EN ₄₂	16.0	970221	350.28	356.54	167.46	9.05	0.0702	2.4399	2	6	E	W	1997 FW ₃	16.0	970402	261.12	318.21	346.57	3.99	0.1014	2.2387	7	8	W	
1997 EP ₄₂	15.0	970221	284.73	327.81	279.65	1.68	0.1654	2.4847	2	6	E	W	1997 FX ₃	15.0	970402	275.09	74.90	229.93	1.77	0.2232	2.6364	6	8	E	W
1997 ER ₄₂	14.5	970221	135.29	82.38	286.89	2.32	0.1113	2.1462	2	6	E	W	1997 FY ₃	17.0	970402	6.24	170.50	13.00	0.87	0.2363	2.6338	7	8	E	W
1997 ES ₄₂	15.0	970221	70.87	207.41	200.43	3.00	0.2850	2.4810	2	6	E	W	1997 FZ ₃	16.0	970402	14.43	338.87	195.12	0.85	0.1593	3.0128	5	6	W	
1997 EU ₄₂		970221	277.99	292.53	314.17	2.85	0.1037	2.5371	2	6	E	W	1997 FA ₄	13.5	970402	215.19	325.87	14.78	18.15	0.0250	3.1870	7	10	E	W
1997 EX ₄₂	14.0	970221	272.18	292.99	331.12	10.47	0.2026	2.8359	2	6	E	W	1997 FB ₄	15.0	970402	348.34	189.31	19.11	7.69	0.1063	2.9709	7	8	E	W
1997 EZ ₄₂	16.5	970221	18.11	175.03	311.69	6.69	0.1801	2.3769	2	6	E	W	1997 FC ₄	14.0	970402	149.99	208.53	187.02	13.47	0.1794	2.8962	7	10	E	W
1997 EF ₄₃	16.0	970221	318.60	255.40	312.79	5.38	0.1622	2.3012	2	6	E	W	1997 FD ₄	16.5	970402	126.87	240.60	181.14	6.60	0.0540	2.2527	6	8	W	
1997 EG ₄₃	14.5	970221	84.56	246.88	172.54	9.37	0.0662	2.9771	2	6	E	W	1997 FE ₄	14.0	970402	202.09	294.25	58.00	2.88	0.0106	3.0744	7	10	E	W
1997 EH ₄₃	15.0	970221	313.91	50.28	168.66	12.86	0.2135	2.8972	2	6	E	W	1997 FF ₄	14.5	970402	111.10	56.68	16.15	9.28	0.1060	3.0052	7	10	W	
1997 EJ ₄₃	16.0	970221	55.92	112.22	325.47	10.02	0.1760	2.2568	2	6	E	W	1997 FG ₄	14.5	970402	194.17	167.92	195.84	5.75	0.1349	2.6547	6	8	E	W
1997 EE ₄₆	15.5	970313	284.82	50.79	202.22	8.14	0.1194	2.3295	2	18	W	1997 FH ₄	14.5	970402	211.89	340.12	10.53	13.80	0.1437	2.4604	7	11	W		
1997 EF ₄₆	14.5	970313	2.09	95.00	90.91	7.25	0.0576	2.3806	24	13	W	1997 FJ ₄	15.5	970402	4.55	235.73	313.16	0.97	0.1336	2.8618	7	8	W		
1997 EH ₄₆	14.5	970221	140.89	25.28	326.41	12.56	0.3198	2.6000	57	23	W	1997 FM ₄	15.0	970402	71.43	263.32	202.83	11.87	0.1520	2.5309	7	10	W		
1997 FB	15.5	970313	299.27	69.13	181.14	3.93	0.1566	2.1776	22	18	M	1997 FN ₄	15.5	970402	121.41	71.46	349.04	3.94	0.1521	2.4446	7	8	E	W	
1997 FF	15.5	970313	15.30	125.10	51.38	24.66	0.2231	2.3007	15	10	W	1997 FO ₄	15.9	970402	342.60	21.95	197.31	33.00	0.1696	2.6360	12	22	N		
1997 FG	12.0	970313	342.18	106.48	122.90	15.06	0.1182	3.1813	9	9	W	1997 FR ₄	15.5	970402	16.25	170.88	2.58	2.42	0.1233	2.4719	7	10	W		
1997 FH	13.5	970313	0.00	134.58	49.96	5.52	0.1065	2.2435	2	10	W	1997 FS ₄	13.5	970402	334.39	193.32	46.40	33.91	0.1613	2.6158	19	17	W		
1997 FJ	13.5	970313	359.02	111.17	91.99	14.43	0.1490	2.7871	12	9	W	1997 FY ₄	15.5	970402	98.54	348.48	107.55	12.60	0.1193	3.1059	17	9	W		
1997 FM	13.0	970313	296.39	164.18	119.56	13.64	0.1354	2.6653	7	9	W	1997 GA	17.0	970402	310.50	3									

1997 GE ₁	16.5	970402	148.37	186.48	200.07	1.93	0.2005	2.3307	14	15	W	1997 GO ₇	16.0	970402	225.96	288.44	67.98	5.87	0.1515	2.1622	5	6	E W
1997 GF ₁	14.0	970402	81.73	68.97	0.29	5.97	0.2969	2.7930	6	9	E W	1997 GQ ₇	13.0	970402	144.69	14.24	46.44	15.94	0.1645	2.8063	6	8	E W
1997 GJ ₁	16.0	970402	286.11	95.29	184.19	7.41	0.1739	3.2176	6	9	E W	1997 GT ₇	15.5	970402	78.21	311.67	171.87	3.86	0.0876	2.3412	6	6	W
1997 GK ₁	15.5	970402	142.95	208.51	184.18	8.91	0.1737	2.7729	14	15	W	1997 GX ₇	14.5	970402	205.44	284.30	97.10	2.53	0.2510	3.0428	6	6	E W
1997 GM ₁	16.0	970402	290.92	77.36	190.94	4.47	0.1628	2.4555	3	20	E W	1997 GY ₇	14.5	970402	215.33	275.93	90.95	1.75	0.1355	2.5457	5	6	E W
1997 GN ₁	15.5	970402	123.85	56.20	0.83	7.45	0.1588	2.7258	6	16	E W	1997 GZ ₇	15.0	970402	257.96	279.92	41.44	13.42	0.0359	3.1260	6	6	E W
1997 GO ₁	15.0	970402	172.39	73.55	306.32	1.93	0.1626	2.4342	10	25	W	1997 GG ₈	16.5	970402	55.98	278.54	218.67	5.26	0.1849	2.5519	6	6	W
1997 GP ₁	15.0	970402	314.33	63.16	160.22	18.36	0.0870	3.1532	7	12	W	1997 GK ₈	15.5	970402	24.45	186.70	354.72	1.38	0.1650	3.2050	6	6	E W
1997 GR ₁	17.0	970402	73.81	288.19	156.24	10.13	0.1205	2.5662	5	6	E W	1997 GN ₈	14.5	970402	282.47	291.10	30.92	5.42	0.2379	3.2379	6	6	E W
1997 GS ₁	17.0	970313	270.14	46.02	226.89	1.06	0.0299	2.7149	32	13	W	1997 GO ₈	18.0	970402	352.34	25.82	178.28	3.65	0.1827	2.2217	4	6	E W
1997 GT ₁	16.0	970313	155.15	179.36	202.41	1.65	0.0715	2.5735	36	15	W	1997 GT ₈	17.5	970402	299.84	73.70	195.15	1.13	0.1430	2.2806	4	6	W
1997 GU ₁	15.0	970313	216.22	301.97	32.54	0.84	0.1348	3.0465	37	15	W	1997 GW ₈	15.0	970402	274.91	286.73	2.15	2.58	0.0883	3.1713	4	6	E W
1997 GW ₁	17.0	970402	218.60	131.90	199.91	2.39	0.0855	2.4414	9	12	W	1997 GY ₈	16.5	970402	34.34	296.52	213.87	1.85	0.1211	2.5569	4	6	W
1997 GY ₁	16.5	970402	29.31	314.78	192.01	3.60	0.1465	2.4615	9	12	W	1997 GZ ₈	17.5	970402	150.71	203.55	194.78	20.88	0.0852	1.9169	4	6	W
1997 GA ₂	17.0	970402	29.32	317.77	189.46	6.80	0.1271	3.0482	9	9	W	1997 GD ₉	16.5	970402	52.75	154.71	343.76	2.76	0.0308	2.4544	4	6	E W
1997 GB₂	18.0	970402	354.92	191.65	9.35	14.89	0.4222	2.9924	7	12	W	1997 GF ₉	16.0	970402	39.11	301.67	204.22	11.78	0.1095	2.5782	7	12	W
1997 GC ₂	16.5	970313	212.96	141.66	192.79	1.92	0.1118	2.6749	36	16	W	1997 GJ ₉	14.5	970402	166.22	179.47	203.29	18.46	0.2489	2.5371	4	6	W
1997 GD ₂	16.5	970402	146.57	200.36	188.32	5.36	0.1920	2.3366	9	9	W	1997 GK ₉	16.5	970402	92.43	98.94	356.90	8.48	0.0582	2.2695	4	6	W
1997 GE ₂	15.5	970402	245.14	121.26	186.98	12.34	0.0848	2.7976	9	12	W	1997 GN ₉	15.5	970402	286.54	273.34	3.89	13.28	0.0774	2.6129	4	6	W
1997 GF ₂	17.0	970313	182.92	356.39	3.13	2.46	0.1783	2.3222	36	12	W	1997 GO ₉	15.0	970402	204.53	11.05	342.19	4.55	0.0663	2.5436	4	6	E W
1997 GP ₂	17.5	970402	11.98	345.73	186.59	5.84	0.1001	2.5528	5	9	E W	1997 GR ₉	15.0	970402	196.41	353.06	7.27	13.21	0.0595	2.7613	4	6	E W
1997 GS ₂	16.0	970313	39.83	117.57	13.14	3.52	0.1335	2.7597	33	12	W	1997 GS ₉	16.5	970402	352.98	201.85	1.95	5.67	0.1456	2.9604	4	6	W
1997 GV ₂	17.0	970402	9.09	353.61	184.06	6.26	0.0530	2.3579	9	15	E W	1997 GW ₉	16.0	970402	76.82	271.51	192.48	1.91	0.1141	2.7898	4	6	E W
1997 GX ₂	15.5	970313	186.14	186.80	172.60	2.78	0.2100	2.5382	32	15	W	1997 GA ₁₀	17.0	970402	342.45	199.58	21.18	4.91	0.2109	3.0162	4	8	E W
1997 GY ₂	16.0	970313	228.09	184.34	141.51	1.00	0.1405	2.7714	32	15	W	1997 GE ₁₀	16.0	970402	77.55	274.87	184.22	9.58	0.1462	2.9228	4	6	E W
1997 GZ ₂	16.0	970402	261.27	112.04	182.43	8.94	0.0823	3.1616	9	12	W	1997 GF ₁₀	17.0	970402	70.64	73.79	37.55	3.33	0.0975	2.3510	4	8	W
1997 GB ₃	15.0	970402	283.08	95.03	183.51	8.57	0.1283	3.1515	9	14	E W	1997 GG ₁₀	16.0	970402	194.31	188.59	170.94	3.86	0.0276	2.6688	4	6	E W
1997 GF₃	17.5	970402	3.74	351.70	195.52	42.08	0.4176	3.0512	8	51	W	1997 GJ ₁₀	17.0	970402	341.61	144.63	70.45	1.71	0.0890	2.3693	4	8	E W
1997 GC ₃	17.5	970402	273.17	294.86	19.43	2.82	0.2855	2.0003	6	25	W	1997 GM ₁₀	17.0	970402	84.92	74.64	29.53	6.31	0.0378	2.3873	4	8	E W
1997 GH₃	17.0	970402	3.56	333.21	187.23	2.98	0.5718	2.4794	13	0	M	1997 GN ₁₀	17.0	970402	103.35	278.91	161.70	2.48	0.0862	2.1543	4	6	W
1997 GK₃	23.0	970402	23.11	127.71	24.47	18.13	0.2857	1.4138	5	39	W	1997 GP ₁₀	16.0	970402	246.66	138.64	186.52	7.66	0.1903	2.3392	4	6	W
1997 GL₃	20.0	970402	12.44	260.13	196.65	6.72	0.7845	2.2870	11	0	E W	1997 GT ₁₀	16.0	970402	136.31	228.70	186.58	3.56	0.0293	2.4652	4	5	E W
1997 GR ₃	14.0	970402	333.14	246.25	320.09	1.32	0.0404	2.9738	7	13	E M	1997 GE ₁₁	16.5	970402	56.38	271.33	211.95	2.87	0.1411	2.5972	4	6	W
1997 GT ₃	16.0	970402	351.13	192.45	17.80	3.99	0.2359	2.7883	3	8	E W	1997 GF ₁₁	14.5	970402	191.87	356.51	6.73	7.60	0.0091	3.0625	4	8	E W
1997 GU ₃	14.0	970402	24.70	134.28	36.95	5.55	0.0194	2.7847	8	6	E W	1997 GG ₁₁	16.0	970402	287.72	8.93	281.08	0.98	0.1998	2.7025	4	6	E W
1997 GV ₃	14.0	970402	207.90	335.77	22.67	16.44	0.2173	2.4148	8	8	E W	1997 GL ₁₁	16.5	970402	280.52	283.77	2.16	6.34	0.1036	2.2989	4	11	W
1997 GW ₃	16.0	970402	314.73	82.21	188.11	3.98	0.2712	2.5526	8	6	W	1997 GM ₁₁	15.5	970402	7.95	183.27	2.02	6.89	0.0948	3.1291	4	6	E W
1997 GX ₃	17.5	970402	13.25	138.95	34.27	2.33	0.2556	2.2609	8	6	E W	1997 GO ₁₁	17.5	970402	29.84	299.01	201.33	10.88	0.2971	2.4866	4	6	E W
1997 GY ₃	18.0	970402	17.42	176.49	357.41	5.22	0.1646	2.3200	5	8	M	1997 GT ₁₁	16.0	970402	206.68	124.06	232.38	2.32	0.1931	2.1768	4	6	W
1997 GA ₄	16.0	970402	55.78	99.21	24.03	6.32	0.1704	2.7109	2	9	E W	1997 GV ₁₁	16.0	970402	117.14	63.41	8.16	9.14	0.0629	2.3571	4	8	E W
1997 GB ₄	16.0	970402	304.85	85.19	184.85	2.49	0.1693	2.6646	8	11	W	1997 GW ₁₁	14.5	970402	210.10	347.91	6.38	8.81	0.1880	2.9860	4	6	E W
1997 GC ₄	15.5	970402	297.09	244.01	20.05	5.52	0.1262	2.1836	4	6	E W	1997 GY ₁₁	15.0	970402	265.18	354.65	298.31	0.83	0.0253	3.1799	4	8	E W
1997 GT ₄	16.5	970402	232.16	305.78	15.31	6.22	0.0823	2.6470	9	12	W	1997 GA ₁₂	17.0	970402	337.48	20.86	204.31	3.59	0.1550	2.5186	4	8	W
1997 GX ₄	14.5	970402	96.36	27.42	38.45	2.10	0.2241	2.9404	6	9	W	1997 GB ₁₂	16.0	970402	78.52	260.64	202.27	2.64	0.1159	2.4871	4	6	E W
1997 GZ ₄	17.5	970402	286.18	116.34	171.25	1.66	0.2391	2.4704	6	8	E W	1997 GE ₁₂	16.0	970402	36.55	127.77	13.61	6.33	0.2016	3.2210	4	6	E W
1997 GA ₅	18.0	970402	117.37	28.11	49.12	22.16	0.0880	1.8641	5	12	W	1997 GF ₁₂	15.5	970402	213.80	322.28	19.14	5.13	0.0102	2.7619	4	8	E W
1997 GB ₅	15.0	970402	185.15	157.01	204.82	1.86	0.2530	2.2227	8	9	E W	1997 GJ ₁₂	18.0	970402	332.36	55.69	188.48	8.97	0.2995	2.4335	3	6	E W
1997 GC ₅	18.5	970402	335.81	229.22	2.28	3.11	0.2964	2.7784	6	8	W	1997 GM ₁₂	17.0	970402	297.42	238.97	36.80	3.05	0.1750	2.2209	4	9	W
1997 GK ₅	17.5	970402	45.63	184.25	307.36	0.39	0.1059	2.4496	7	9	E W	1997 GO ₁₂	17.5	970402	348.35	147.59	60.85	1.87	0.1178	2.3394	4	6	W
1997 GN ₅	16.5	970402	74.84	244.48	198.97	1.00	0.2517	2.2597	7	9	E W	1997 GP ₁₂	16.5	970402	274.21	225.13	60.18	2.29	0.0491	2.4083	4		

1997 GG ₁₃	16.5	970402	115.61	237.80	195.91	7.57	0.0577	2.3957	4	8	W	1997 GQ ₁₆	16.0	970402	135.93	229.47	181.32	2.66	0.1233	2.3009	4	8	W
1997 GH ₁₃	15.5	970402	74.23	111.77	5.16	1.87	0.0356	2.8813	4	8	E W	1997 GR ₁₆	17.5	970402	291.53	112.48	168.34	1.18	0.1520	2.2377	4	6	W
1997 GJ ₁₃	16.0	970402	260.99	109.47	207.77	1.98	0.2193	2.3500	3	6	W	1997 GS ₁₆	13.5	970402	152.06	229.13	173.27	2.09	0.0274	2.9143	7	11	E W
1997 GK ₁₃	15.5	970402	255.90	303.80	12.95	6.33	0.1690	2.3611	4	8	W	1997 GV ₁₆	15.0	970402	246.78	119.25	194.19	8.88	0.0406	2.9963	4	9	E W
1997 GM ₁₃	14.5	970402	291.22	75.13	196.75	24.91	0.0729	2.9026	4	6	E W	1997 GX ₁₆	16.0	970402	1.55	182.09	11.52	11.23	0.1444	2.6205	4	8	W
1997 GP ₁₃	16.0	970402	343.32	8.37	205.83	3.24	0.0723	2.3276	4	8	W	1997 GZ ₁₆	15.5	970402	188.75	164.48	205.42	7.70	0.1758	2.1607	4	8	E W
1997 GQ ₁₃	16.5	970402	93.95	67.26	3.66	5.37	0.2863	2.3883	4	6	E W	1997 GA ₁₇	17.5	970402	17.91	196.10	339.72	1.40	0.0497	2.1743	4	9	E W
1997 GR ₁₃	15.0	970402	168.30	182.78	199.56	18.10	0.2749	2.5699	4	6	E W	1997 GB ₁₇	15.5	970402	296.32	80.03	205.78	5.75	0.2282	2.7442	4	11	E W
1997 GU ₁₃	16.5	970402	274.85	84.17	206.10	4.94	0.0873	2.3525	4	6	E W	1997 GC ₁₇	17.0	970402	11.49	181.48	359.02	4.13	0.1361	2.4949	4	8	W
1997 GX ₁₃	15.5	970402	63.89	255.34	205.61	9.96	0.2685	2.8611	4	8	E W	1997 GD ₁₇	16.5	970402	66.16	191.34	280.23	1.57	0.1633	2.4251	4	9	W
1997 GY ₁₃	13.5	970402	348.94	351.30	218.26	5.15	0.1040	3.1756	4	8	E W	1997 GE ₁₇	16.0	970402	78.07	110.69	359.38	5.71	0.0700	2.2505	4	8	E W
1997 GA ₁₄	17.0	970402	337.51	299.12	284.39	1.29	0.1152	2.3232	4	6	E W	1997 GF ₁₇	14.5	970402	292.95	72.78	209.48	8.46	0.1677	2.4892	4	8	E W
1997 GB ₁₄	15.5	970402	131.24	182.62	232.33	3.56	0.1200	2.1915	4	8	W	1997 GG ₁₇	15.0	970402	252.40	110.92	213.99	7.17	0.2061	2.6480	4	6	W
1997 GD ₁₄	15.0	970402	115.33	221.05	200.29	25.71	0.2048	2.3101	4	8	W	1997 GH ₁₇	18.0	970402	343.66	288.90	290.30	1.53	0.1765	2.2325	4	6	W
1997 GE ₁₄	15.0	970402	206.21	147.76	209.17	9.93	0.1693	2.3719	3	6	E W	1997 GI ₁₇	15.5	970402	1.62	222.31	331.62	2.03	0.1419	2.4276	4	6	W
1997 GF ₁₄	15.5	970402	27.06	159.64	6.75	12.87	0.0543	3.0789	4	6	E W	1997 GJ ₁₇	16.0	970402	16.96	301.94	226.56	2.42	0.2323	2.6026	8	6	W
1997 GJ ₁₄	15.0	970402	32.86	314.70	205.31	16.68	0.0427	2.8592	3	6	E W	1997 GN ₁₇	16.5	970402	74.35	264.76	210.65	5.47	0.0596	2.2926	8	6	W
1997 GK ₁₄	16.0	970402	288.17	282.55	3.78	9.83	0.1645	2.2001	4	8	E W	1997 GT ₁₇	15.5	970402	266.34	276.46	16.61	12.92	0.0297	2.6938	4	11	E W
1997 GL ₁₄	16.0	970402	286.39	344.53	299.85	2.72	0.1324	2.3226	4	8	W	1997 GV ₁₇	15.0	970402	314.02	253.03	16.43	6.63	0.2711	2.4701	4	8	E W
1997 GM ₁₄	16.0	970402	301.33	17.70	248.69	3.50	0.1126	2.5914	4	8	W	1997 GY ₁₇	16.0	970402	21.68	147.91	22.56	6.45	0.0670	2.2350	7	13	W
1997 GN ₁₄	14.0	970402	138.79	70.56	338.31	4.99	0.1382	3.1344	4	6	W	1997 GZ ₁₇	16.5	970402	72.07	288.13	178.26	2.97	0.1482	2.3559	4	8	E W
1997 GO ₁₄	15.5	970402	76.71	221.08	234.62	4.71	0.1990	2.5433	4	6	W	1997 GC ₁₈	16.5	970402	353.76	17.69	186.35	6.40	0.1568	2.6156	8	8	W
1997 GH ₁₄	16.0	970402	99.51	108.87	328.29	4.35	0.1734	2.3709	4	6	W	1997 GD ₁₈	14.5	970402	84.12	76.32	27.63	9.89	0.0671	3.2117	8	6	W
1997 GS ₁₄	16.5	970402	290.58	301.62	341.21	4.95	0.1652	2.2494	4	6	W	1997 GE ₁₈	15.5	970402	166.96	200.70	183.73	10.34	0.2059	2.3733	4	6	E W
1997 GT ₁₄	16.0	970402	274.09	82.71	213.52	8.44	0.1256	2.3538	4	8	W	1997 GJ ₁₈	14.0	970402	266.88	270.74	23.55	21.61	0.0527	3.1445	8	6	W
1997 GA ₁₅	16.0	970402	14.85	195.03	345.84	5.08	0.0283	2.6470	4	8	W	1997 GN ₁₈	16.0	970402	330.38	167.86	58.06	3.07	0.0125	2.6953	8	6	W
1997 GW ₁₄	16.0	970402	317.15	32.30	227.65	3.20	0.2269	2.3653	4	6	W	1997 GO ₁₈	16.5	970402	296.77	86.98	187.12	10.85	0.1379	2.5697	8	6	W
1997 GX ₁₄	16.5	970402	343.65	213.77	1.89	7.21	0.0942	2.4441	4	8	E W	1997 GP ₁₈	17.5	970402	303.14	102.77	165.62	2.45	0.1522	2.3268	8	6	W
1997 GY ₁₄	16.5	970402	13.55	181.11	359.55	4.60	0.0490	2.3787	4	8	E W	1997 GR ₁₈	16.5	970402	317.98	227.20	21.11	13.52	0.1244	2.6254	8	9	W
1997 GA ₁₅	17.0	970402	9.91	200.07	342.67	2.32	0.1180	2.3092	4	6	W	1997 GS ₁₈	15.5	970402	272.90	293.46	18.88	15.78	0.2579	2.8502	8	9	E W
1997 GB ₁₅	17.0	970402	71.89	192.62	279.31	1.60	0.1070	2.4288	4	6	W	1997 GT ₁₈	15.5	970402	167.91	210.40	175.67	1.67	0.0986	2.2161	8	13	W
1997 GC ₁₅	16.0	970402	241.84	326.74	357.25	4.49	0.1043	2.3177	4	8	W	1997 GV ₁₈	14.0	970402	133.16	201.58	206.25	5.31	0.2391	3.0845	8	6	E W
1997 GD ₁₅	15.0	970402	251.42	44.28	267.48	1.51	0.0684	2.7462	4	8	W	1997 GW ₁₈	17.0	970402	336.30	23.26	206.40	3.79	0.1706	2.5465	8	6	W
1997 GE ₁₅	16.5	970402	32.21	177.33	336.81	1.73	0.1289	2.4676	4	6	E W	1997 GX ₁₈	16.0	970402	69.55	205.64	264.46	1.69	0.1522	2.5637	8	6	W
1997 GF ₁₅	15.0	970402	2.48	341.21	210.13	3.94	0.2391	3.1126	4	8	E W	1997 GY ₁₈	16.5	970402	47.42	159.26	345.44	4.06	0.0508	2.2852	4	6	W
1997 GH ₁₅	14.5	970402	198.02	150.87	208.93	4.40	0.0591	2.5641	4	6	E W	1997 GB ₁₉	15.0	970402	307.61	45.40	214.34	7.17	0.1150	2.2861	4	8	W
1997 GK ₁₅	15.5	970402	359.11	245.67	311.20	0.84	0.0884	2.8894	4	6	E W	1997 GC ₁₉	16.5	970402	296.40	277.91	352.09	5.54	0.0909	2.3762	4	8	W
1997 GL ₁₅	15.5	970402	140.58	44.12	6.09	4.19	0.0755	2.5828	4	8	E W	1997 GF ₁₉	14.5	970402	243.57	144.02	188.12	19.45	0.2474	3.1686	3	6	E W
1997 GM ₁₅	16.0	970402	269.64	286.89	10.50	6.28	0.1040	2.2613	4	8	E W	1997 GK ₁₉	19.0	970402	344.98	23.01	198.46	2.29	0.2981	2.3000	2	5	E W
1997 GN ₁₅	16.5	970402	287.61	279.93	11.73	2.59	0.2088	2.4346	4	8	W	1997 GL ₁₉	15.5	970402	65.67	289.85	187.21	4.26	0.0959	2.7226	2	6	W
1997 GO ₁₅	16.0	970402	24.67	322.78	199.06	0.87	0.1562	3.0731	4	11	W	1997 GM ₁₉	15.5	970402	242.93	138.54	187.52	5.53	0.1701	2.4105	2	6	W
1997 GQ ₁₅	16.0	970402	83.91	275.19	188.87	8.41	0.0602	2.5567	4	6	W	1997 GO ₁₉	16.5	970402	48.81	187.82	305.83	1.39	0.1222	2.4043	2	6	W
1997 GR ₁₅	15.5	970402	315.84	80.85	160.56	1.32	0.0257	3.0972	4	6	E W	1997 GT ₁₉	14.5	970402	285.33	341.29	312.68	2.48	0.2050	2.6820	2	6	E W
1997 GS ₁₅	15.5	970402	250.40	302.22	19.14	12.76	0.1657	2.6874	4	6	E W	1997 GV ₁₉	16.5	970402	352.75	4.92	199.09	11.90	0.1113	2.5134	2	5	W
1997 GT ₁₅	15.0	970402	212.96	288.12	57.97	1.63	0.0714	2.7278	4	8	W	1997 GW ₁₉	16.0	970402	31.62	322.60	199.70	3.09	0.0126	2.4723	2	6	E W
1997 GV ₁₅	17.5	970402	322.13	200.23	48.04	2.37	0.1907	2.3512	4	8	W	1997 GX ₁₉	17.5	970402	16.34	302.09	223.76	3.62	0.2786	2.7394	2	5	W
1997 GW ₁₅	15.0	970402	223.26	158.84	182.54	7.88	0.1396	2.9416	4	6	W	1997 GZ ₁₉	15.5	970402	302.18	248.78	17.21	4.90	0.1261	2.1680	2	6	W
1997 GX ₁₅	17.0	970402	344.45	46.58	166.10	2.89	0.0742	2.4069	4	8	W	1997 GD ₂₀	14.0	970402	235.57	229.72	98.98	0.95	0.0932	3.1776	5	11	E W
1997 GZ ₁₅	15.5	970402	209.49	178.26	179.19	7.18	0.2817	2.3266	4	6	W	1997 GE ₂₀	14.5	970402	122.59	253.36	171.24	2.49	0.0997	2.9125	6	6	E W
1997 GA ₁₆	16.5	970402	316.31	218.18	34.43	5.37	0.1590	2.6656	4	9	W	1997 GH ₂₀	16.0	970402	281.22	86.84	196.02	8.62	0.0890	2.3622	2	6	E W
1997 GB ₁₆	16.5	970402	348.24	45.14	164.76	3.42	0.1438	2.4294	4	8	W	1997 GI ₂₀	17.5	970402	308.12								

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1033) Simona Obs. 47 *M* 310.92861 ω 214.47535
H 11.0 *G* 0.15 *U* 1 Opp. 11 *n* 0.18923989 Ω 189.25773
 rms res. 0".84 (M-v) 1935-1996 *e* 0.1119700 *i* 10.64634

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1067) Lunaria Obs. 62 *M* 164.75837 ω 113.95222
H 10.99 *G* 0.15 *U* 1 Opp. 13 *n* 0.20287615 Ω 290.11807
 rms res. 0".72 (M-v) 1931-1995 *e* 0.1940659 *i* 10.54593

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1116) Catriona Obs. 33 *M* 327.97746 ω 83.36287
H 9.7 *G* 0.15 *U* 1 Opp. 17 *n* 0.19709510 Ω 356.66224
 rms res. 0".78 (M-v) 1908-1992 *e* 0.2274012 *i* 16.52309

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1124) Stroobantia Obs. 49 *M* 324.00503 ω 273.21739
H 10.67 *G* 0.15 *U* 1 Opp. 14 *n* 0.19687338 Ω 22.58007
 rms res. 0".83 (M-v) 1933-1993 *e* 0.0320946 *i* 7.79197

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1156) Kira Obs. 80 *M* 305.84436 ω 354.80739
H 12.4 *G* 0.15 *U* 1 Opp. 14 *n* 0.29465645 Ω 91.14284
 rms res. 0".83 (M-v) 1928-1995 *e* 0.0463008 *i* 1.39818

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1287) Lorcía Obs. 69 *M* 311.83933 ω 273.90572
H 11.07 *G* 0.15 *U* 1 Opp. 20 *n* 0.18867960 Ω 202.84246
 rms res. 1".02 (M-v) 1933-1996 *e* 0.0622687 *i* 9.81623

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1331) Solvejg Obs. 55 *M* 251.36970 ω 186.01882
H 10.14 *G* 0.15 *U* 1 Opp. 24 *n* 0.17950576 Ω 121.72726
 rms res. 0".97 (M-v) 1926-1993 *e* 0.1779347 *i* 3.08824

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1332) Marconia Obs. 87 *M* 52.29562 ω 343.89625
H 10.2 *G* 0.15 *U* 1 Opp. 22 *n* 0.18371772 Ω 14.12428
 rms res. 0".86 (M-v) 1924-1996 *e* 0.1258961 *i* 2.46316

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1346) Gotha Obs. 51 *M* 96.49541 ω 249.46817
H 11.25 *G* 0.15 *U* 1 Opp. 14 *n* 0.23133098 Ω 166.48525
 rms res. 0".75 (M-v) 1929-1995 *e* 0.1779053 *i* 13.85836

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1366) Piccolo Obs. 69 *M* 188.53316 ω 282.24774
H 10.45 *G* 0.15 *U* 1 Opp. 21 *n* 0.20204249 Ω 24.62285
 rms res. 0".95 (M-v) 1932-1997 *e* 0.1374274 *i* 9.48750

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1387) Kama Obs. 28 *M* 81.80581 ω 125.33088
H 12.9 *G* 0.15 *U* 2 Opp. 9 *n* 0.29040445 Ω 203.29328
 rms res. 1".11 (M-v) 1935-1996 *e* 0.2085815 *i* 5.52793

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1448) Lindbladia Obs. 32 *M* 93.39930 ω 73.62630
H 12.6 *G* 0.15 *U* 1 Opp. 13 *n* 0.26983530 Ω 45.25200
 rms res. 0".84 (M-v) 1938-1995 *e* 0.1868102 *i* 5.81869

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1488) Aura Obs. 55 *M* 13.33307 ω 114.86753
H 10.8 *G* 0.15 *U* 1 Opp. 18 *n* 0.18617660 Ω 354.79482
 rms res. 0".97 (M-v) 1938-1997 *e* 0.1230218 *i* 10.54817

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1494) Savo Obs. 83 *M* 24.23244 ω 184.13169
H 12.7 *G* 0.15 *U* 0 Opp. 20 *n* 0.30411308 Ω 195.19404
 rms res. 0".83 (M-v) 1938-1995 *e* 0.1307185 *i* 2.45110

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1496) Turku Obs. 67 *M* 24.72878 ω 0.28329
H 12.9 *G* 0.15 *U* 1 Opp. 18 *n* 0.30083782 Ω 294.65987
 rms res. 0".92 (M-v) 1928-1996 *e* 0.1625669 *i* 2.50338

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1526) Mikkeli Obs. 39 *M* 111.20703 ω 72.57007
H 13.6 *G* 0.15 *U* 1 Opp. 11 *n* 0.27983891 Ω 337.17395
 rms res. 0".92 (M-v) 1939-1997 *e* 0.1875614 *i* 6.21100

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1534) Näsi Obs. 43 *M* 357.57424 ω 41.32385
H 11.7 *G* 0.15 *U* 1 Opp. 16 *n* 0.21866884 Ω 62.72316
 rms res. 0".98 (M-v) 1924-1997 *e* 0.2533269 *i* 9.84165

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1545) Thernöe Obs. 96 *M* 306.56844 ω 88.14521
H 11.8 *G* 0.15 *U* 1 Opp. 18 *n* 0.21364307 Ω 52.58421
 rms res. 0".86 (M-v) 1932-1996 *e* 0.2380887 *i* 2.95729

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1558) Järnefelt Obs. 53 *M* 294.19896 ω 282.17444
H 10.2 *G* 0.15 *U* 1 Opp. 21 *n* 0.16993881 Ω 111.17574
 rms res. 0".80 (M-v) 1913-1994 *e* 0.0431945 *i* 10.48365

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1592) Mathieu Obs. 62 *M* 342.50826 ω 176.73820
H 11.6 *G* 0.15 *U* 1 Opp. 14 *n* 0.21398043 Ω 106.48798
 rms res. 0".85 (M-v) 1951-1997 *e* 0.3023357 *i* 13.48168

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1618) Dawn Obs. 100 *M* 26.87997 ω 180.73118
H 11.5 *G* 0.15 *U* 1 Opp. 21 *n* 0.20252523 Ω 103.12742
 rms res. 0".93 (M-v) 1948-1996 *e* 0.0308378 *i* 3.22531

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1628) Strobel Obs. 113 *M* 284.93758 ω 293.39157
H 10.02 *G* 0.15 *U* 1 Opp. 19 *n* 0.18856038 Ω 181.40518
 rms res. 0".80 (M-v) 1923-1994 *e* 0.0634862 *i* 19.36774

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1629) Pecker Obs. 62 *M* 108.99703 ω 106.35497
H 12.6 *G* 0.15 *U* 1 Opp. 17 *n* 0.29444297 Ω 132.90404
 rms res. 0".83 (M-v) 1942-1995 *e* 0.1553958 *i* 9.69869

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1653) Yakhontovia Obs. 42 *M* 35.30484 ω 88.94710
H 11.4 *G* 0.15 *U* 1 Opp. 13 *n* 0.23364216 Ω 304.25635
 rms res. 1".12 (M-v) 1937-1996 *e* 0.3231907 *i* 4.07002

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1664) Felix Obs. 34 *M* 33.99857 ω 106.43388
H 12.1 *G* 0.15 *U* 1 Opp. 13 *n* 0.27567620 Ω 44.42750
 rms res. 0".75 (M-v) 1929-1997 *e* 0.2251933 *i* 6.11385

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1725) CrAO Obs. 44 *M* 182.49391 ω 230.64192
H 10.9 *G* 0.15 *U* 1 Opp. 18 *n* 0.19916569 Ω 119.40249
 rms res. 0".85 (M-v) 1930-1997 *e* 0.0896629 *i* 3.16632

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1738) Oosterhoff Obs. 71 *M* 256.48058 ω 283.93805
H 12.3 *G* 0.15 *U* 2 Opp. 14 *n* 0.30553513 Ω 44.32964
 rms res. 0".97 (M-v) 1930-1997 *e* 0.2030237 *i* 4.87805

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1760) Sandra Obs. 56 *M* 137.21891 ω 335.76822
H 11.5 *G* 0.15 *U* 1 Opp. 14 *n* 0.17640886 Ω 232.78702
 rms res. 0".78 (M-v) 1935-1996 *e* 0.1243792 *i* 8.42842

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1768) Appenzella Obs. 56 *M* 74.89462 ω 19.05389
H 12.70 *G* 0.15 *U* 1 Opp. 13 *n* 0.25686494 Ω 12.62176
 rms res. 0".83 (M-v) 1942-1997 *e* 0.1790729 *i* 3.27258

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1782) Schneller Obs. 38 *M* 52.62392 ω 109.80714
H 11.3 *G* 0.15 *U* 1 Opp. 14 *n* 0.17915269 Ω 157.48672
 rms res. 0".88 (M-v) 1931-1995 *e* 0.1557357 *i* 1.54144

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1801) Titicaca Obs. 45 *M* 104.16938 ω 10.34484
H 11.0 *G* 0.15 *U* 1 Opp. 10 *n* 0.18815943 Ω 78.02984
 rms res. 0".86 (M-v) 1952-1994 *e* 0.0769645 *i* 10.98337

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1805) Dirikis Obs. 66 *M* 0.84977 ω 86.64984
H 11.0 *G* 0.15 *U* 1 Opp. 16 *n* 0.17808796 Ω 79.10723
 rms res. 0".75 (M-v) 1955-1997 *e* 0.1257171 *i* 2.52071

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1815) Beethoven Obs. 46 *M* 245.63182 ω 356.48763
H 11.36 *G* 0.15 *U* 1 Opp. 13 *n* 0.17474898 Ω 111.19345
 rms res. 0".85 (M-v) 1932-1994 *e* 0.1777818 *i* 2.72913

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1830) Pogson Obs. 63 *M* 67.45331 ω 334.84687
H 12.45 *G* 0.15 *U* 1 Opp. 16 *n* 0.30449991 Ω 147.60774
 rms res. 0".95 (M-v) 1929-1994 *e* 0.0568400 *i* 3.95242

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1839) Ragazza Obs. 52 *M* 160.42733 ω 349.74535
H 11.8 *G* 0.15 *U* 1 Opp. 9 *n* 0.21053522 Ω 51.20819
 rms res. 0".84 (M-v) 1962-1997 *e* 0.1690561 *i* 10.18472

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1880) McCrosky Obs. 55 *M* 228.35572 ω 187.01212
H 12.1 *G* 0.15 *U* 1 Opp. 12 *n* 0.22524508 Ω 117.11521
 rms res. 0".93 (M-v) 1940-1995 *e* 0.0737874 *i* 4.84232

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1890) Konoshenkova Obs. 26 *M* 82.94174 ω 20.18184
H 10.8 *G* 0.15 *U* 1 Opp. 13 *n* 0.17129645 Ω 70.51376
 rms res. 0".89 (M-v) 1949-1996 *e* 0.1387992 *i* 9.89474

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1895) Larink Obs. 37 *M* 145.27706 ω 54.71455
H 11.8 *G* 0.15 *U* 1 Opp. 11 *n* 0.17439505 Ω 45.73064
 rms res. 0".81 (M-v) 1937-1996 *e* 0.1651776 *i* 1.82984

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1952) Hesburgh Obs. 58 *M* 293.80378 ω 333.53905
H 10.32 *G* 0.15 *U* 1 Opp. 15 *n* 0.17932041 Ω 78.72180
 rms res. 0".88 (M-v) 1951-1992 *e* 0.1397369 *i* 14.19539

Epoch 1997 June 1.0 TT = JDT 2450600.5
(1992) Galvarino Obs. 27 *M* 235.09607 ω 92.81696
H 12.8 *G* 0.15 *U* 1 Opp. 8 *n* 0.19017770 Ω 183.04093
 rms res. 0".74 (M-v) 1968-1997 *e* 0.0415493 *i* 10.55723

Epoch 1997 June 1.0 TT = JDT 2450600.5
(2018) Schuster Obs. 26 *M* 148.44276 ω 157.48688
H 14.5 *G* 0.15 *U* 1 Opp. 6 *n* 0.30545239 Ω 186.23972
 rms res. 0".59 (M-v) 1931-1997 *e* 0.1920955 *i* 2.55297

Epoch 1997 June 1.0 TT = JDT 2450600.5
(2058) Róka Obs. 100 *M* 133.82835 ω 179.99546
H 11.0 *G* 0.15 *U* 1 Opp. 16 *n* 0.17936603 Ω 95.60748
 rms res. 0".94 (M-v) 1938-1997 *e* 0.1581897 *i* 2.54260

Epoch 1997 June 1.0 TT = JDT 2450600.5
(2072) Kosmodemyanskaya Obs. 42 *M* 12.18136 ω 37.90826
H 12.61 *G* 0.15 *U* 1 Opp. 12 *n* 0.25691027 Ω 26.38173
 rms res. 0".77 (M-v) 1956-1996 *e* 0.1624064 *i* 4.75491

Epoch 1997 June 1.0 TT = JDT 2450600.5
(2085) Henan Obs. 37 *M* 71.96163 ω 294.18231
H 11.4 *G* 0.15 *U* 1 Opp. 13 *n* 0.22220106 Ω 118.29570
 rms res. 0".77 (M-v) 1955-1995 *e* 0.0854243 *i* 3.82897

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(2116) Mtskheta Obs. 31 *M* 96.83425 ω 173.57571
H 12.1 *G* 0.15 *U* 1 Opp. 10 *n* 0.23662290 Ω 170.99072
rms res. 0".69 (M-v) 1933-1992 *e* 0.0573731 *i* 9.06551

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(2136) Jugta Obs. 54 *M* 158.13219 ω 63.34580
H 11.6 *G* 0.15 *U* 1 Opp. 14 *n* 0.18799790 Ω 149.15686
rms res. 0".77 (M-v) 1933-1996 *e* 0.0487981 *i* 10.59348

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(2216) Kerch Obs. 35 *M* 263.43238 ω 185.85905
H 10.8 *G* 0.15 *U* 1 Opp. 10 *n* 0.18814403 Ω 155.99716
rms res. 0".85 (M-v) 1938-1996 *e* 0.1021759 *i* 10.44951

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(2231) Durrell Obs. 37 *M* 129.53761 ω 24.17661
H 12.4 *G* 0.15 *U* 1 Opp. 9 *n* 0.21846996 Ω 342.61686
rms res. 0".81 (M-v) 1941-1997 *e* 0.2492442 *i* 8.23420

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(2238) Steshenko Obs. 57 *M* 238.35025 ω 296.17622
H 11.9 *G* 0.15 *U* 1 Opp. 9 *n* 0.18366428 Ω 33.64833
rms res. 0".75 (M-v) 1972-1994 *e* 0.1742027 *i* 1.31804

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(2269) Efreimiana Obs. 32 *M* 39.40491 ω 40.90922
H 10.5 *G* 0.15 *U* 1 Opp. 8 *n* 0.17830862 Ω 66.95757
rms res. 0".87 (M-v) 1929-1997 *e* 0.0873639 *i* 15.39713

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Williams**
(2289) McMillan Obs. 43 *M* 321.57327 ω 40.04064
H 13.6 *G* 0.15 *U* 1 Opp. 11 *n* 0.23041440 Ω 190.11623
rms res. 1".06 (M-v) 1933-1997 *e* 0.1430299 *i* 2.14852

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(2355) Nei Monggol Obs. 40 *M* 252.89851 ω 281.42400
H 11.4 *G* 0.15 *U* 1 Opp. 7 *n* 0.18787876 Ω 54.08528
rms res. 0".94 (M-v) 1973-1993 *e* 0.1161016 *i* 10.00137

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(2383) Bradley Obs. 70 *M* 316.08651 ω 183.79995
H 13.4 *G* 0.15 *U* 1 Opp. 12 *n* 0.29836479 Ω 14.61400
rms res. 0".80 (M-v) 1928-1997 *e* 0.1049149 *i* 3.57396

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(2452) Lyot Obs. 30 *M* 312.85975 ω 193.48281
H 11.9 *G* 0.15 *U* 1 Opp. 6 *n* 0.17596781 Ω 3.41386
rms res. 0".79 (M-v) 1953-1997 *e* 0.1260053 *i* 11.81421

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(2468) Repin Obs. 37 *M* 337.84113 ω 97.61541
H 12.4 *G* 0.15 *U* 1 Opp. 8 *n* 0.27771608 Ω 216.68066
rms res. 0".86 (M-v) 1951-1994 *e* 0.1562054 *i* 5.72068

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(2556) Louise Obs. 23 *M* 68.19560 ω 345.45301
H 13.4 *G* 0.15 *U* 1 Opp. 6 *n* 0.30990359 Ω 126.59304
rms res. 0".86 (M-v) 1976-1997 *e* 0.0375226 *i* 2.78772

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(2557) Putnam Obs. 25 *M* 122.31261 ω 189.35909
H 12.5 *G* 0.15 *U* 1 Opp. 6 *n* 0.27352495 Ω 188.38624
rms res. 0".86 (M-v) 1963-1994 *e* 0.1550250 *i* 6.05732

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(2584) Turkmenia Obs. 46 *M* 71.63662 ω 238.09147
H 13.3 *G* 0.15 *U* 1 Opp. 13 *n* 0.29645663 Ω 50.11325
rms res. 0".95 (M-v) 1952-1995 *e* 0.0659128 *i* 1.44074

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(2622) Bolzano Obs. 63 *M* 180.26789 ω 220.55678
H 11.7 *G* 0.15 *U* 1 Opp. 8 *n* 0.18925057 Ω 134.99216
rms res. 0".68 (M-v) 1972-1996 *e* 0.0990812 *i* 10.99723

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(2742) Gibson Obs. 67 *M* 265.72075 ω 283.02395
H 12.1 *G* 0.15 *U* 1 Opp. 14 *n* 0.19815701 Ω 123.00804
rms res. 0".76 (M-v) 1953-1996 *e* 0.0653404 *i* 3.15961

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(2901) Bagehot Obs. 22 *M* 214.38356 ω 241.49589
H 11.9 *G* 0.15 *U* 1 Opp. 7 *n* 0.20325393 Ω 69.29476
rms res. 0".58 (M-v) 1959-1995 *e* 0.0466378 *i* 3.17758

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(2932) Kempchinsky Obs. 48 *M* 160.80836 ω 187.34703
H 11.6 *G* 0.15 *U* 1 Opp. 11 *n* 0.14293348 Ω 169.80905
rms res. 0".99 (M-v) 1953-1996 *e* 0.1108432 *i* 2.24265

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(2944) Peyo Obs. 30 *M* 113.58848 ω 153.04205
H 12.8 *G* 0.15 *U* 1 Opp. 9 *n* 0.22838558 Ω 195.11602
rms res. 0".88 (M-v) 1935-1997 *e* 0.1634702 *i* 10.64929

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(2974) Holden Obs. 27 *M* 303.25663 ω 130.17130
H 13.9 *G* 0.15 *U* 1 Opp. 7 *n* 0.28032784 Ω 215.21477
rms res. 0".81 (M-v) 1949-1996 *e* 0.1407128 *i* 6.42195

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(2995) Taratuta Obs. 30 *M* 25.34545 ω 330.13922
H 12.4 *G* 0.15 *U* 1 Opp. 9 *n* 0.23309039 Ω 170.04225
rms res. 0".84 (M-v) 1955-1995 *e* 0.1373031 *i* 14.85631

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(3034) Climenhaga Obs. 44 *M* 198.96118 ω 313.35860
H 12.3 *G* 0.15 *U* 1 Opp. 13 *n* 0.27814186 Ω 10.83206
rms res. 0".80 (M-v) 1917-1997 *e* 0.2106889 *i* 4.92430

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(3054) Strugatskia Obs. 62 *M* 237.71348 ω 189.44056
H 11.3 *G* 0.15 *U* 1 Opp. 9 *n* 0.18071419 Ω 146.37500
rms res. 0''.83 (M-v) 1959-1993 *e* 0.2069750 *i* 2.07674

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(3079) Schiller Obs. 35 *M* 31.65501 ω 300.60509
H 13.3 *G* 0.15 *U* 1 Opp. 9 *n* 0.22394596 Ω 183.43335
rms res. 0''.69 (M-v) 1931-1997 *e* 0.2168210 *i* 3.91841

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(3133) Sendai Obs. 43 *M* 300.29379 ω 357.93277
H 13.2 *G* 0.15 *U* 1 Opp. 8 *n* 0.30592200 Ω 37.30955
rms res. 0''.81 (M-v) 1907-1996 *e* 0.1603062 *i* 6.56767

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(3146) Dato Obs. 21 *M* 201.28760 ω 83.31293
H 13.2 *G* 0.15 *U* 1 Opp. 6 *n* 0.25933951 Ω 183.61242
rms res. 0''.87 (M-v) 1980-1992 *e* 0.1966223 *i* 8.37887

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(3217) Seidelmann Obs. 25 *M* 192.91175 ω 356.50712
H 14.4 *G* 0.15 *U* 1 Opp. 6 *n* 0.26724665 Ω 343.67076
rms res. 0''.63 (M-v) 1958-1997 *e* 0.2621654 *i* 6.14534

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(3238) Timresovia Obs. 23 *M* 341.24390 ω 44.88452
H 13.4 *G* 0.15 *U* 1 Opp. 9 *n* 0.22647601 Ω 11.46119
rms res. 0''.95 (M-v) 1953-1994 *e* 0.1833571 *i* 11.71241

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(3277) Aaronson Obs. 25 *M* 220.51328 ω 296.36546
H 11.3 *G* 0.15 *U* 1 Opp. 8 *n* 0.17751100 Ω 85.14372
rms res. 0''.73 (M-v) 1962-1996 *e* 0.2742833 *i* 8.57563

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(3280) Grétry Obs. 49 *M* 158.61605 ω 359.47491
H 12.5 *G* 0.15 *U* 1 Opp. 11 *n* 0.23741191 Ω 317.66646
rms res. 0''.85 (M-v) 1933-1994 *e* 0.1741796 *i* 2.22176

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(3293) Rontaylor Obs. 40 *M* 89.25463 ω 208.32301
H 13.4 *G* 0.15 *U* 1 Opp. 8 *n* 0.26525823 Ω 9.86271
rms res. 0''.68 (M-v) 1960-1994 *e* 0.1406876 *i* 2.14243

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Williams**
(3309) Brorfelde Obs. 65 *M* 339.92875 ω 218.38278
H 13.9 *G* 0.15 *U* 2 Opp. 6 *n* 0.40225484 Ω 29.91514
rms res. 0''.63 (M-v) 1982-1997 *e* 0.0531559 *i* 21.13616

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(3315) Chant Obs. 29 *M* 357.38165 ω 55.94409
H 12.5 *G* 0.15 *U* 1 Opp. 8 *n* 0.22980143 Ω 147.13877
rms res. 0''.74 (M-v) 1950-1996 *e* 0.0868980 *i* 10.04372

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(3326) Agafonikov Obs. 66 *M* 30.87114 ω 279.36020
H 12.8 *G* 0.15 *U* 1 Opp. 13 *n* 0.27043857 Ω 4.80821
rms res. 0''.77 (M-v) 1946-1996 *e* 0.1733023 *i* 3.38488

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(3337) 1971 UG₁ Obs. 49 *M* 121.97596 ω 220.52772
H 12.5 *G* 0.15 *U* 1 Opp. 7 *n* 0.20557466 Ω 179.33886
rms res. 0''.65 (M-v) 1971-1995 *e* 0.0788766 *i* 1.98197

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(3422) Reid Obs. 23 *M* 92.68867 ω 198.33982
H 12.4 *G* 0.15 *U* 1 Opp. 8 *n* 0.22339485 Ω 112.07510
rms res. 0''.92 (M-v) 1978-1996 *e* 0.1512969 *i* 13.95282

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(3424) Nušl Obs. 36 *M* 20.81325 ω 245.04209
H 12.7 *G* 0.15 *U* 1 Opp. 8 *n* 0.24244096 Ω 150.19980
rms res. 1''.06 (M-v) 1972-1996 *e* 0.0714530 *i* 6.75316

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(3432) Kobuchizawa Obs. 25 *M* 298.01018 ω 242.03261
H 11.5 *G* 0.15 *U* 1 Opp. 8 *n* 0.17331674 Ω 12.01710
rms res. 0''.75 (M-v) 1955-1996 *e* 0.2449320 *i* 13.33909

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(3452) Hawke Obs. 35 *M* 308.28395 ω 289.77179
H 13.2 *G* 0.15 *U* 1 Opp. 7 *n* 0.28826382 Ω 58.90982
rms res. 0''.77 (M-v) 1980-1994 *e* 0.0809425 *i* 2.31951

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(3455) Kristensen Obs. 51 *M* 346.28005 ω 359.21715
H 12.7 *G* 0.15 *U* 1 Opp. 8 *n* 0.29333036 Ω 168.97192
rms res. 0''.73 (M-v) 1967-1996 *e* 0.0650210 *i* 3.55233

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Williams**
(3480) Abante Obs. 50 *M* 9.71728 ω 20.51105
H 13.1 *G* 0.15 *U* 1 Opp. 7 *n* 0.18607404 Ω 188.65856
rms res. 0''.72 (M-v) 1977-1997 *e* 0.2832567 *i* 3.75979

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(3490) Šolc Obs. 40 *M* 80.06148 ω 99.82015
H 13.4 *G* 0.15 *U* 1 Opp. 10 *n* 0.26503291 Ω 344.12471
rms res. 0''.80 (M-v) 1951-1997 *e* 0.1181639 *i* 5.88913

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(3514) 1971 UJ Obs. 37 *M* 119.81419 ω 344.22630
H 11.7 *G* 0.15 *U* 1 Opp. 7 *n* 0.12602667 Ω 24.89792
rms res. 0''.81 (M-v) 1971-1997 *e* 0.2018676 *i* 3.51569

Epoch 1997 June 1.0 TT = JDT 2450600.5 **Bowell**
(3518) Florena Obs. 20 *M* 192.27241 ω 164.46744
H 12.4 *G* 0.15 *U* 1 Opp. 8 *n* 0.22496930 Ω 148.21512
rms res. 0''.91 (M-v) 1950-1991 *e* 0.1753063 *i* 13.86876

Epoch 1997 June 1.0 TT = JDT 2450600.5
(3545) Gaffey Obs. 21 *M* 133.42888 ω 255.13814
H 12.1 *G* 0.15 *U* 1 Opp. 6 *n* 0.20267366 Ω 61.57043
 rms res. 0".80 (M-v) 1970-1997 *e* 0.0548885 *i* 2.97984

Epoch 1997 June 1.0 TT = JDT 2450600.5
(3558) Shishkin Obs. 26 *M* 24.77616 ω 302.95795
H 12.5 *G* 0.15 *U* 1 Opp. 8 *n* 0.25825681 Ω 345.12919
 rms res. 0".75 (M-v) 1955-1996 *e* 0.0672778 *i* 13.37561

Epoch 1997 June 1.0 TT = JDT 2450600.5
(3607) Naniwa Obs. 17 *M* 28.89976 ω 126.75994
H 14.6 *G* 0.15 *U* 1 Opp. 5 *n* 0.29271857 Ω 1.98923
 rms res. 0".72 (M-v) 1957-1994 *e* 0.0697384 *i* 2.84415

Epoch 1997 June 1.0 TT = JDT 2450600.5
(3622) Ilinsky Obs. 21 *M* 156.71646 ω 171.80198
H 11.4 *G* 0.15 *U* 1 Opp. 9 *n* 0.15808300 Ω 254.87296
 rms res. 0".87 (M-v) 1933-1997 *e* 0.0337343 *i* 4.93453

Epoch 1997 June 1.0 TT = JDT 2450600.5
(3665) Fitzgerald Obs. 30 *M* 76.57807 ω 280.20215
H 12.6 *G* 0.15 *U* 1 Opp. 7 *n* 0.26204568 Ω 115.48852
 rms res. 0".81 (M-v) 1941-1997 *e* 0.0883990 *i* 15.06434

Epoch 1997 June 1.0 TT = JDT 2450600.5
(3669) Vertinskij Obs. 30 *M* 88.72266 ω 34.33175
H 13.2 *G* 0.15 *U* 1 Opp. 10 *n* 0.29922186 Ω 91.10485
 rms res. 0".71 (M-v) 1949-1995 *e* 0.0708755 *i* 4.82759

Epoch 1997 June 1.0 TT = JDT 2450600.5
(3684) Berry Obs. 21 *M* 19.16734 ω 67.00602
H 13.4 *G* 0.15 *U* 1 Opp. 7 *n* 0.28481160 Ω 95.20475
 rms res. 0".78 (M-v) 1971-1994 *e* 0.1535025 *i* 6.81608

Epoch 1997 June 1.0 TT = JDT 2450600.5
(3704) 1981 YX₁ Obs. 19 *M* 209.84977 ω 35.57922
H 12.5 *G* 0.15 *U* 1 Opp. 9 *n* 0.26331367 Ω 233.91856
 rms res. 0".84 (M-v) 1954-1995 *e* 0.0488767 *i* 5.87634

Epoch 1997 June 1.0 TT = JDT 2450600.5
(3707) Schröter Obs. 17 *M* 32.36944 ω 142.65908
H 13.4 *G* 0.15 *U* 1 Opp. 6 *n* 0.23299357 Ω 281.42637
 rms res. 0".94 (M-v) 1934-1997 *e* 0.1581402 *i* 12.55309

Epoch 1997 June 1.0 TT = JDT 2450600.5
(3716) Petzval Obs. 33 *M* 228.68639 ω 150.47203
H 13.9 *G* 0.15 *U* 1 Opp. 8 *n* 0.26546530 Ω 139.11441
 rms res. 0".78 (M-v) 1954-1997 *e* 0.2147296 *i* 2.52307

Epoch 1997 June 1.0 TT = JDT 2450600.5
(3738) Ots Obs. 29 *M* 48.40019 ω 269.21431
H 12.7 *G* 0.15 *U* 1 Opp. 8 *n* 0.29709207 Ω 357.17068
 rms res. 0".85 (M-v) 1953-1996 *e* 0.1690474 *i* 1.25296

Epoch 1997 June 1.0 TT = JDT 2450600.5
(3755) Lecointe Obs. 14 *M* 324.99141 ω 120.90587
H 13.9 *G* 0.15 *U* 0 Opp. 5 *n* 0.29267812 Ω 226.10879
 rms res. 0".69 (M-v) 1950-1993 *e* 0.2188169 *i* 7.79428

Epoch 1997 June 1.0 TT = JDT 2450600.5
(3777) McCauley Obs. 35 *M* 136.63740 ω 300.00347
H 13.5 *G* 0.15 *U* 2 Opp. 7 *n* 0.28686040 Ω 46.69623
 rms res. 1".05 (M-v) 1981-1997 *e* 0.1617049 *i* 4.19240

Epoch 1997 June 1.0 TT = JDT 2450600.5
(3781) Dufek Obs. 37 *M* 87.24931 ω 156.63759
H 12.1 *G* 0.15 *U* 1 Opp. 9 *n* 0.20545377 Ω 183.96707
 rms res. 0".89 (M-v) 1972-1994 *e* 0.0723850 *i* 2.03529

Epoch 1997 June 1.0 TT = JDT 2450600.5
(3804) Drunina Obs. 17 *M* 288.70556 ω 286.48618
H 12.5 *G* 0.15 *U* 1 Opp. 7 *n* 0.19988773 Ω 21.99178
 rms res. 0".73 (M-v) 1969-1995 *e* 0.0629604 *i* 2.16640

Epoch 1997 June 1.0 TT = JDT 2450600.5
(3858) Dorchester Obs. 81 *M* 131.15890 ω 334.95275
H 13.7 *G* 0.15 *U* 3 Opp. 4 *n* 0.30415711 Ω 348.16286
 rms res. 0".71 (M-v) 1985-1997 *e* 0.2429139 *i* 7.71253

Epoch 1997 June 1.0 TT = JDT 2450600.5
(3865) 1988 AY₄ Obs. 55 *M* 38.62472 ω 33.46763
H 12.7 *G* 0.15 *U* 1 Opp. 8 *n* 0.26537263 Ω 214.84157
 rms res. 0".77 (M-v) 1978-1994 *e* 0.0804690 *i* 6.55213

Epoch 1997 June 1.0 TT = JDT 2450600.5
(3877) Braes Obs. 33 *M* 9.38028 ω 0.40540
H 12.1 *G* 0.15 *U* 1 Opp. 6 *n* 0.23362152 Ω 234.80765
 rms res. 0".75 (M-v) 1960-1994 *e* 0.1247082 *i* 14.14002

Epoch 1997 June 1.0 TT = JDT 2450600.5
(3878) Jyoumon Obs. 24 *M* 279.96790 ω 198.19118
H 12.8 *G* 0.15 *U* 1 Opp. 7 *n* 0.18060756 Ω 158.21887
 rms res. 0".70 (M-v) 1949-1995 *e* 0.1865529 *i* 2.24505

Epoch 1997 June 1.0 TT = JDT 2450600.5
(3906) Chao Obs. 23 *M* 263.59013 ω 207.37689
H 10.8 *G* 0.15 *U* 1 Opp. 7 *n* 0.19648603 Ω 149.41956
 rms res. 0".77 (M-v) 1956-1993 *e* 0.0725662 *i* 26.08731

Epoch 1997 June 1.0 TT = JDT 2450600.5
(3908) 1980 PA Obs. 582 *M* 81.70817 ω 125.83206
H 17.4 *G* 0.15 *U* 0 Opp. 3 *n* 0.36867383 Ω 261.82158
 rms res. 0".57 (M-v) 1980-1997 *e* 0.4584939 *i* 2.17556

Epoch 1997 June 1.0 TT = JDT 2450600.5
(3912) Troja Obs. 35 *M* 45.05196 ω 61.49298
H 13.1 *G* 0.15 *U* 1 Opp. 8 *n* 0.26917958 Ω 26.30508
 rms res. 0".81 (M-v) 1937-1994 *e* 0.0326258 *i* 2.40722

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams
(3943) Silbermann Obs. 69 *M* 218.86846 ω 353.85199
H 14.2 *G* 0.15 *U* 2 Opp. 6 *n* 0.28759524 Ω 7.19281
 rms res. 0".59 (M-v) 1974-1997 *e* 0.1895035 *i* 6.47231

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(3946) Shor Obs. 30 *M* 169.68648 ω 273.63179
H 12.1 *G* 0.15 *U* 1 Opp. 11 *n* 0.18198650 Ω 326.30476
 rms res. 0".73 (M-v) 1950-1996 *e* 0.1375567 *i* 0.74437

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(3958) 1953 TC Obs. 31 *M* 74.01127 ω 28.01755
H 12.3 *G* 0.15 *U* 1 Opp. 7 *n* 0.25406313 Ω 11.93159
 rms res. 0".86 (M-v) 1953-1997 *e* 0.2083530 *i* 4.85060

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4014) Heizman Obs. 40 *M* 265.25218 ω 128.21442
H 12.0 *G* 0.15 *U* 1 Opp. 11 *n* 0.15497295 Ω 273.40040
 rms res. 1".00 (M-v) 1950-1995 *e* 0.0414294 *i* 1.10618

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4024) Ronan Obs. 27 *M* 116.55288 ω 74.74107
H 12.9 *G* 0.15 *U* 1 Opp. 12 *n* 0.28600047 Ω 54.70359
 rms res. 0".93 (M-v) 1931-1996 *e* 0.1549630 *i* 7.77010

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4066) Haapavesi Obs. 44 *M* 332.91090 ω 88.64125
H 13.3 *G* 0.15 *U* 0 Opp. 7 *n* 0.29345668 Ω 241.48243
 rms res. 0".80 (M-v) 1930-1996 *e* 0.2230214 *i* 5.27644

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4091) Lowe Obs. 21 *M* 78.33938 ω 199.94094
H 10.9 *G* 0.15 *U* 1 Opp. 7 *n* 0.17343624 Ω 49.97651
 rms res. 0".71 (M-v) 1955-1992 *e* 0.1155276 *i* 12.22249

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams
(4114) Jasnorzewska Obs. 69 *M* 215.19308 ω 44.20260
H 13.8 *G* 0.15 *U* 1 Opp. 7 *n* 0.24378017 Ω 323.14001
 rms res. 0".70 (M-v) 1970-1997 *e* 0.2030259 *i* 7.34464

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4140) Branham Obs. 27 *M* 11.56471 ω 215.08893
H 10.9 *G* 0.15 *U* 1 Opp. 7 *n* 0.18931216 Ω 127.55913
 rms res. 0".79 (M-v) 1976-1994 *e* 0.1217838 *i* 7.73410

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4182) Mount Locke Obs. 36 *M* 242.62101 ω 30.03388
H 12.2 *G* 0.15 *U* 1 Opp. 9 *n* 0.21022626 Ω 261.97603
 rms res. 0".95 (M-v) 1951-1997 *e* 0.1302064 *i* 8.03621

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4259) 1988 SB₃ Obs. 48 *M* 209.36410 ω 12.86546
H 12.6 *G* 0.15 *U* 1 Opp. 7 *n* 0.20035125 Ω 60.05077
 rms res. 0".73 (M-v) 1954-1996 *e* 0.0499574 *i* 2.91918

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4261) Gekko Obs. 34 *M* 27.26554 ω 100.88711
H 12.5 *G* 0.15 *U* 1 Opp. 7 *n* 0.21114925 Ω 266.12820
 rms res. 0".84 (M-v) 1978-1996 *e* 0.1105230 *i* 2.65848

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4269) 1974 FN Obs. 23 *M* 250.60569 ω 322.46282
H 13.8 *G* 0.15 *U* 1 Opp. 6 *n* 0.29577693 Ω 337.94238
 rms res. 0".66 (M-v) 1955-1997 *e* 0.1650344 *i* 3.45054

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4373) Crespo Obs. 25 *M* 142.41639 ω 240.08431
H 13.8 *G* 0.15 *U* 1 Opp. 5 *n* 0.29570035 Ω 154.57309
 rms res. 0".74 (M-v) 1975-1992 *e* 0.1757053 *i* 4.95807

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams
(4396) Gressmann Obs. 22 *M* 254.81807 ω 250.78755
H 13.9 *G* 0.15 *U* 2 Opp. 8 *n* 0.29806618 Ω 47.12447
 rms res. 0".97 (M-v) 1955-1997 *e* 0.1917636 *i* 3.75115

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4405) 1987 QD₁ Obs. 22 *M* 237.10264 ω 202.35502
H 11.3 *G* 0.15 *U* 1 Opp. 6 *n* 0.17150104 Ω 140.43031
 rms res. 0".91 (M-v) 1982-1996 *e* 0.1513047 *i* 9.43950

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4471) 1978 VB Obs. 20 *M* 311.20089 ω 41.43087
H 12.3 *G* 0.15 *U* 1 Opp. 6 *n* 0.20350920 Ω 345.82142
 rms res. 0".74 (M-v) 1978-1994 *e* 0.1593773 *i* 13.89715

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams
(4502) Elizabethann Obs. 35 *M* 29.26960 ω 333.95243
H 11.7 *G* 0.15 *U* 1 Opp. 11 *n* 0.22934044 Ω 170.03207
 rms res. 0".77 (M-v) 1941-1997 *e* 0.0960274 *i* 13.32275

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4555) 1987 QL Obs. 25 *M* 343.99096 ω 141.57804
H 13.7 *G* 0.15 *U* 1 Opp. 6 *n* 0.29058926 Ω 158.50704
 rms res. 0".88 (M-v) 1970-1996 *e* 0.1993745 *i* 7.38326

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4557) Mika Obs. 25 *M* 212.24011 ω 43.16480
H 11.7 *G* 0.15 *U* 1 Opp. 7 *n* 0.18757327 Ω 113.31239
 rms res. 0".75 (M-v) 1955-1995 *e* 0.0461386 *i* 11.29020

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4568) Menkaure Obs. 20 *M* 320.55602 ω 224.83422
H 11.9 *G* 0.15 *U* 1 Opp. 7 *n* 0.18638684 Ω 7.56413
 rms res. 0".70 (M-v) 1978-1997 *e* 0.0548596 *i* 10.69644

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4606) Saheki Obs. 40 *M* 204.05321 ω 251.96725
H 12.7 *G* 0.15 *U* 1 Opp. 9 *n* 0.29156204 Ω 241.52404
 rms res. 0".83 (M-v) 1953-1996 *e* 0.1014110 *i* 2.62840

Epoch 1997 June 1.0 TT = JDT 2450600.5
(4639) Minox Obs. 30 *M* 284.76747 ω 251.41165
H 13.1 *G* 0.15 *U* 1 Opp. 6 *n* 0.24087153 Ω 33.42778
 rms res. 0".95 (M-v) 1954-1994 *e* 0.1796399 *i* 7.92125

Epoch 1997 June 1.0 TT = JDT 2450600.5
(4683) 1976 GJ₁ Obs. 28 *M* 358.85751 ω 300.03163
H 12.0 *G* 0.15 *U* 1 Opp. 11 *n* 0.17922697 Ω 164.50853
 rms res. 0".64 (M-v) 1935-1995 *e* 0.1582284 *i* 1.21987

Epoch 1997 June 1.0 TT = JDT 2450600.5
(4692) SIMBAD Obs. 18 *M* 9.34714 ω 322.41418
H 13.7 *G* 0.15 *U* 1 Opp. 6 *n* 0.29083163 Ω 65.62334
 rms res. 0".57 (M-v) 1973-1993 *e* 0.1474296 *i* 3.70290

Epoch 1997 June 1.0 TT = JDT 2450600.5
(4768) Hartley Obs. 66 *M* 183.69428 ω 26.76927
H 11.3 *G* 0.15 *U* 1 Opp. 7 *n* 0.17280181 Ω 320.88180
 rms res. 0".64 (M-v) 1981-1997 *e* 0.2264486 *i* 19.98294

Epoch 1997 June 1.0 TT = JDT 2450600.5
(4804) Pasteur Obs. 34 *M* 278.56712 ω 270.81766
H 11.6 *G* 0.15 *U* 1 Opp. 7 *n* 0.22320863 Ω 103.88348
 rms res. 0".72 (M-v) 1956-1996 *e* 0.1184017 *i* 8.63418

Epoch 1997 June 1.0 TT = JDT 2450600.5
(4815) 1981 EA₂₈ Obs. 45 *M* 347.20176 ω 355.18522
H 13.7 *G* 0.15 *U* 1 Opp. 7 *n* 0.27185357 Ω 7.44891
 rms res. 0".77 (M-v) 1979-1996 *e* 0.1357877 *i* 7.56720

Epoch 1997 June 1.0 TT = JDT 2450600.5
(4831) 1988 RX₁₁ Obs. 37 *M* 350.49800 ω 141.84906
H 12.4 *G* 0.15 *U* 1 Opp. 7 *n* 0.18149166 Ω 61.97298
 rms res. 0".76 (M-v) 1951-1994 *e* 0.1155136 *i* 0.28556

Epoch 1997 June 1.0 TT = JDT 2450600.5
(4847) Amenhotep Obs. 45 *M* 306.92271 ω 102.41283
H 14.9 *G* 0.15 *U* 1 Opp. 6 *n* 0.30899384 Ω 125.35382
 rms res. 0".75 (M-v) 1960-1997 *e* 0.0881728 *i* 0.85499

Epoch 1997 June 1.0 TT = JDT 2450600.5
(4863) Yasutani Obs. 31 *M* 139.93896 ω 227.37381
H 11.8 *G* 0.15 *U* 1 Opp. 9 *n* 0.20507824 Ω 25.44844
 rms res. 0".91 (M-v) 1951-1994 *e* 0.0213857 *i* 2.19081

Epoch 1997 June 1.0 TT = JDT 2450600.5
(4909) Couteau Obs. 24 *M* 342.23641 ω 234.69889
H 13.7 *G* 0.15 *U* 1 Opp. 6 *n* 0.28750792 Ω 114.24388
 rms res. 0".86 (M-v) 1949-1994 *e* 0.2466581 *i* 2.40815

Epoch 1997 June 1.0 TT = JDT 2450600.5
(4916) 1970 PS Obs. 65 *M* 299.56469 ω 271.38688
H 11.4 *G* 0.15 *U* 1 Opp. 10 *n* 0.18537972 Ω 148.37226
 rms res. 0".76 (M-v) 1938-1994 *e* 0.0882591 *i* 10.78353

Epoch 1997 June 1.0 TT = JDT 2450600.5
(4948) 1988 VF₁ Obs. 42 *M* 270.61211 ω 124.50789
H 13.9 *G* 0.15 *U* 1 Opp. 7 *n* 0.30859812 Ω 246.81646
 rms res. 0".78 (M-v) 1959-1994 *e* 0.1935610 *i* 3.09359

Epoch 1997 June 1.0 TT = JDT 2450600.5
(4992) Kálmán Obs. 39 *M* 289.73152 ω 58.66253
H 12.8 *G* 0.15 *U* 1 Opp. 6 *n* 0.23841611 Ω 233.77583
 rms res. 0".70 (M-v) 1978-1997 *e* 0.1107010 *i* 14.44032

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5006) Teller Obs. 26 *M* 216.38328 ω 26.31052
H 11.2 *G* 0.15 *U* 1 Opp. 6 *n* 0.17320167 Ω 103.06569
 rms res. 0".79 (M-v) 1932-1992 *e* 0.0621959 *i* 7.62139

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5022) 1984 HE₁ Obs. 36 *M* 40.72808 ω 72.48351
H 11.7 *G* 0.15 *U* 1 Opp. 6 *n* 0.17669598 Ω 223.22120
 rms res. 0".68 (M-v) 1930-1992 *e* 0.0936244 *i* 11.05955

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5025) 1986 TS₆ Obs. 37 *M* 311.01715 ω 72.15985
H 9.8 *G* 0.15 *U* 1 Opp. 5 *n* 0.08263007 Ω 347.90386
 rms res. 0".74 (M-v) 1986-1996 *e* 0.0771384 *i* 11.01831

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5035) Swift Obs. 23 *M* 66.33096 ω 52.76819
H 12.0 *G* 0.15 *U* 1 Opp. 6 *n* 0.23375599 Ω 52.08427
 rms res. 0".56 (M-v) 1978-1991 *e* 0.1553742 *i* 13.51858

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5041) Theotes Obs. 38 *M* 255.44729 ω 103.22430
H 10.5 *G* 0.15 *U* 1 Opp. 7 *n* 0.08470031 Ω 29.87371
 rms res. 0".80 (M-v) 1953-1996 *e* 0.0350431 *i* 10.61423

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5059) Saroma Obs. 44 *M* 110.50941 ω 157.99085
H 12.2 *G* 0.15 *U* 1 Opp. 5 *n* 0.23617326 Ω 295.67286
 rms res. 0".81 (M-v) 1986-1997 *e* 0.1342677 *i* 12.63732

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5076) 1973 SG₄ Obs. 22 *M* 84.23233 ω 219.71816
H 13.0 *G* 0.15 *U* 1 Opp. 7 *n* 0.26234666 Ω 189.61183
 rms res. 0".67 (M-v) 1952-1997 *e* 0.2328151 *i* 9.48258

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5082) Nihonsyoki Obs. 24 *M* 224.72134 ω 58.20889
H 12.8 *G* 0.15 *U* 1 Opp. 6 *n* 0.17779624 Ω 103.38385
 rms res. 0".64 (M-v) 1955-1994 *e* 0.1236306 *i* 2.95116

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5138) Gyoda Obs. 41 *M* 40.78602 ω 263.76691
H 11.7 *G* 0.15 *U* 1 Opp. 7 *n* 0.18061770 Ω 193.82771
 rms res. 0".87 (M-v) 1951-1997 *e* 0.1701530 *i* 0.79758

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5191) 1990 VO₃ Obs. 42 *M* 135.12701 ω 145.84307
H 11.6 *G* 0.15 *U* 1 Opp. 5 *n* 0.18861186 Ω 233.20503
 rms res. 0".68 (M-v) 1988-1996 *e* 0.1103000 *i* 9.03019

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5198) Fongyunwah Obs. 20 *M* 53.76803 ω 310.49772
H 12.1 *G* 0.15 *U* 1 Opp. 7 *n* 0.17960280 Ω 150.95166
 rms res. 0".79 (M-v) 1975-1997 *e* 0.1662984 *i* 2.10148

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5205) 1988 CU₇ Obs. 45 *M* 60.64937 ω 300.40445
H 13.2 *G* 0.15 *U* 1 Opp. 8 *n* 0.27573967 Ω 358.52695
 rms res. 0".83 (M-v) 1954-1995 *e* 0.0439155 *i* 6.38167

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5296) Friedrich Obs. 39 *M* 354.86213 ω 125.10599
H 11.7 *G* 0.15 *U* 1 Opp. 9 *n* 0.17828940 Ω 100.98875
 rms res. 0".83 (M-v) 1954-1995 *e* 0.1028442 *i* 2.83068

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5311) 1981 GD₁ Obs. 52 *M* 68.85668 ω 259.18866
H 13.7 *G* 0.15 *U* 1 Opp. 8 *n* 0.18626161 Ω 228.34059
 rms res. 0".84 (M-v) 1981-1997 *e* 0.0964168 *i* 3.44545

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5324) Lyapunov Obs. 71 *M* 336.13670 ω 320.20985
H 15.2 *G* 0.15 *U* 1 Opp. 3 *n* 0.19377832 Ω 353.10907
 rms res. 0".74 (M-v) 1987-1997 *e* 0.6157549 *i* 19.50395

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5362) 1978 CH Obs. 37 *M* 130.88244 ω 260.71277
H 11.5 *G* 0.15 *U* 1 Opp. 8 *n* 0.15806002 Ω 136.33710
 rms res. 0".70 (M-v) 1978-1997 *e* 0.0088986 *i* 6.14051

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5503) 1985 CE₂ Obs. 70 *M* 32.62468 ω 326.38343
H 13.1 *G* 0.15 *U* 1 Opp. 5 *n* 0.24230279 Ω 160.81940
 rms res. 0".70 (M-v) 1985-1997 *e* 0.1021130 *i* 5.44348

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5533) 1935 SC Obs. 37 *M* 141.12014 ω 18.51086
H 14.2 *G* 0.15 *U* 0 Opp. 7 *n* 0.29385846 Ω 349.29937
 rms res. 0".65 (M-v) 1935-1997 *e* 0.1868565 *i* 5.08153

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5539) 1965 UA₁ Obs. 26 *M* 84.95482 ω 121.72945
H 12.6 *G* 0.15 *U* 1 Opp. 6 *n* 0.25914833 Ω 296.19261
 rms res. 0".79 (M-v) 1965-1997 *e* 0.1555501 *i* 1.82399

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5680) 1989 YZ₁ Obs. 52 *M* 160.11700 ω 14.35829
H 12.4 *G* 0.15 *U* 1 Opp. 9 *n* 0.17570090 Ω 46.75917
 rms res. 0".83 (M-v) 1932-1996 *e* 0.1561060 *i* 1.65286

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5710) 1977 UP Obs. 29 *M* 58.41795 ω 1.60989
H 14.2 *G* 0.15 *U* 1 Opp. 5 *n* 0.30691575 Ω 358.34862
 rms res. 0".76 (M-v) 1977-1993 *e* 0.1509274 *i* 3.37464

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5742) 1990 TN₄ Obs. 34 *M* 277.75356 ω 117.26214
H 11.6 *G* 0.15 *U* 1 Opp. 6 *n* 0.18038521 Ω 78.16325
 rms res. 0".73 (M-v) 1982-1996 *e* 0.0852455 *i* 14.42710

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5766) 1986 QR₃ Obs. 29 *M* 80.16467 ω 252.55730
H 13.2 *G* 0.15 *U* 1 Opp. 5 *n* 0.28226163 Ω 28.75102
 rms res. 0".77 (M-v) 1955-1993 *e* 0.0849238 *i* 4.75252

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5785) 1991 FU Obs. 31 *M* 203.69915 ω 188.46971
H 11.8 *G* 0.15 *U* 1 Opp. 4 *n* 0.23682146 Ω 311.10347
 rms res. 0".68 (M-v) 1951-1993 *e* 0.1090558 *i* 12.68655

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5823) Oryo Obs. 40 *M* 282.37263 ω 87.62307
H 12.8 *G* 0.15 *U* 1 Opp. 8 *n* 0.21304317 Ω 309.04155
 rms res. 0".78 (M-v) 1951-1996 *e* 0.1622563 *i* 7.98887

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5831) 1991 JG Obs. 28 *M* 124.01520 ω 165.66392
H 12.2 *G* 0.15 *U* 1 Opp. 8 *n* 0.22361819 Ω 64.06587
 rms res. 0".76 (M-v) 1938-1996 *e* 0.1416015 *i* 12.77137

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5837) Hedin Obs. 31 *M* 318.88187 ω 150.99750
H 12.5 *G* 0.15 *U* 1 Opp. 6 *n* 0.17735589 Ω 105.54799
 rms res. 0".81 (M-v) 1960-1994 *e* 0.1258727 *i* 2.17405

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5962) Shikokutenkyo Obs. 25 *M* 304.95232 ω 324.05461
H 12.4 *G* 0.15 *U* 1 Opp. 5 *n* 0.23974345 Ω 197.94277
 rms res. 0".76 (M-v) 1954-1995 *e* 0.1126959 *i* 12.90031

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5963) 1990 QP₂ Obs. 46 *M* 80.39847 ω 61.83384
H 12.4 *G* 0.15 *U* 1 Opp. 7 *n* 0.20522392 Ω 0.89676
 rms res. 0".67 (M-v) 1954-1997 *e* 0.0527590 *i* 1.70940

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5967) Edithlevy Obs. 38 *M* 19.17990 ω 110.01250
H 13.8 *G* 0.15 *U* 1 Opp. 6 *n* 0.36430288 Ω 125.91793
 rms res. 0".92 (M-v) 1954-1994 *e* 0.0549583 *i* 24.10732

Epoch 1997 June 1.0 TT = JDT 2450600.5
(5984) Lysippus Obs. 27 *M* 268.85051 ω 110.75473
H 13.9 *G* 0.15 *U* 1 Opp. 6 *n* 0.26812377 Ω 115.75347
 rms res. 0".97 (M-v) 1977-1994 *e* 0.1101790 *i* 5.70809

Epoch 1997 June 1.0 TT = JDT 2450600.5
(6039) Parmenides Obs. 39 *M* 76.58876 ω 169.65017
H 11.3 *G* 0.15 *U* 1 Opp. 8 *n* 0.15668082 Ω 186.49418
 rms res. 0".76 (M-v) 1951-1996 *e* 0.0660421 *i* 13.15128

Epoch 1997 June 1.0 TT = JDT 2450600.5
(6049) Toda Obs. 21 *M* 264.56272 ω 136.24479
H 13.2 *G* 0.15 *U* 1 Opp. 7 *n* 0.26650338 Ω 175.07052
 rms res. 0".72 (M-v) 1975-1994 *e* 0.1351902 *i* 2.44021

Epoch 1997 June 1.0 TT = JDT 2450600.5
(6054) Ghiberti Obs. 25 *M* 326.70040 ω 54.91058
H 14.2 *G* 0.15 *U* 1 Opp. 5 *n* 0.26323012 Ω 262.37956
 rms res. 0".64 (M-v) 1955-1993 *e* 0.1043466 *i* 2.16949

Epoch 1997 June 1.0 TT = JDT 2450600.5
(6081) 1981 EE₃₅ Obs. 27 *M* 255.14368 ω 170.13667
H 15.4 *G* 0.15 *U* 1 Opp. 5 *n* 0.25123374 Ω 165.70264
 rms res. 0".73 (M-v) 1978-1997 *e* 0.1924888 *i* 7.32862

Epoch 1997 June 1.0 TT = JDT 2450600.5
(6136) 1990 YH Obs. 26 *M* 91.47927 ω 321.25454
H 11.3 *G* 0.15 *U* 1 Opp. 7 *n* 0.18769182 Ω 136.43936
 rms res. 0".67 (M-v) 1950-1994 *e* 0.0669292 *i* 11.18773

Epoch 1997 June 1.0 TT = JDT 2450600.5
(6150) Neukum Obs. 38 *M* 150.71976 ω 70.53598
H 12.2 *G* 0.15 *U* 1 Opp. 7 *n* 0.17592494 Ω 326.73903
 rms res. 0".80 (M-v) 1954-1994 *e* 0.1380186 *i* 3.68357

Epoch 1997 June 1.0 TT = JDT 2450600.5
(6151) Viget Obs. 38 *M* 239.83738 ω 64.81771
H 13.6 *G* 0.15 *U* 1 Opp. 6 *n* 0.29009389 Ω 41.73804
 rms res. 0".57 (M-v) 1955-1994 *e* 0.0881748 *i* 7.24391

Epoch 1997 June 1.0 TT = JDT 2450600.5
(6233) 1986 CG Obs. 53 *M* 172.12754 ω 204.21724
H 13.3 *G* 0.15 *U* 1 Opp. 5 *n* 0.21094735 Ω 267.69239
 rms res. 0".75 (M-v) 1951-1995 *e* 0.1791949 *i* 6.82442

Epoch 1997 June 1.0 TT = JDT 2450600.5
(6303) 1989 EL₂ Obs. 42 *M* 127.54840 ω 223.68118
H 13.6 *G* 0.15 *U* 1 Opp. 5 *n* 0.30446891 Ω 24.40151
 rms res. 0".91 (M-v) 1989-1995 *e* 0.1035155 *i* 4.49760

Epoch 1997 June 1.0 TT = JDT 2450600.5
(6537) 1979 QK₆ Obs. 32 *M* 198.64525 ω 200.40245
H 14.4 *G* 0.15 *U* 1 Opp. 7 *n* 0.30646581 Ω 120.23625
 rms res. 0".72 (M-v) 1979-1997 *e* 0.1963626 *i* 4.02613

Epoch 1997 June 1.0 TT = JDT 2450600.5
(6578) 1980 TQ₁₄ Obs. 25 *M* 157.26579 ω 240.48280
H 13.9 *G* 0.15 *U* 1 Opp. 6 *n* 0.26152034 Ω 141.48170
 rms res. 0".59 (M-v) 1976-1995 *e* 0.1869325 *i* 3.58623

Epoch 1997 June 1.0 TT = JDT 2450600.5
(6589) 1985 SL₃ Obs. 20 *M* 172.13165 ω 27.00947
H 14.3 *G* 0.15 *U* 1 Opp. 5 *n* 0.28756572 Ω 308.87832
 rms res. 0".64 (M-v) 1978-1997 *e* 0.1872096 *i* 5.30691

Epoch 1997 June 1.0 TT = JDT 2450600.5
(6642) 1990 UE₃ Obs. 45 *M* 38.90438 ω 60.04976
H 12.0 *G* 0.15 *U* 1 Opp. 7 *n* 0.17474024 Ω 30.83401
 rms res. 0".76 (M-v) 1953-1997 *e* 0.2445021 *i* 4.32104

Epoch 1997 June 1.0 TT = JDT 2450600.5
(6652) 1991 SJ₁ Obs. 81 *M* 33.91763 ω 303.03599
H 12.8 *G* 0.15 *U* 1 Opp. 5 *n* 0.22900329 Ω 167.91079
 rms res. 0".80 (M-v) 1991-1997 *e* 0.1727705 *i* 14.16070

Epoch 1997 June 1.0 TT = JDT 2450600.5
(6656) 1992 FF Obs. 42 *M* 0.19018 ω 91.28213
H 12.1 *G* 0.15 *U* 1 Opp. 6 *n* 0.17516136 Ω 55.22577
 rms res. 0".84 (M-v) 1954-1997 *e* 0.1573630 *i* 1.90599

Epoch 1997 June 1.0 TT = JDT 2450600.5
(6730) 1992 BH Obs. 55 *M* 318.73114 ω 20.92989
H 11.8 *G* 0.15 *U* 1 Opp. 5 *n* 0.17866794 Ω 140.52431
 rms res. 0".73 (M-v) 1991-1997 *e* 0.1549452 *i* 18.26050

Epoch 1997 June 1.0 TT = JDT 2450600.5
(6744) 1994 JL Obs. 23 *M* 293.80069 ω 186.75468
H 13.8 *G* 0.15 *U* 1 Opp. 5 *n* 0.29030355 Ω 85.34131
 rms res. 0".63 (M-v) 1978-1995 *e* 0.1884811 *i* 6.67123

Epoch 1997 June 1.0 TT = JDT 2450600.5
(6760) 1980 KM Obs. 52 *M* 230.30961 ω 46.36011
H 13.4 *G* 0.15 *U* 1 Opp. 6 *n* 0.21559238 Ω 228.55457
 rms res. 0".67 (M-v) 1980-1995 *e* 0.1013182 *i* 5.74089

Epoch 1997 June 1.0 TT = JDT 2450600.5
(6764) 1981 TM₃ Obs. 29 *M* 315.05891 ω 242.13224
H 13.0 *G* 0.15 *U* 1 Opp. 6 *n* 0.29032143 Ω 18.37389
 rms res. 0".61 (M-v) 1971-1995 *e* 0.1388589 *i* 7.05469

Epoch 1997 June 1.0 TT = JDT 2450600.5
(6867) 1992 FP₁ Obs. 25 *M* 47.72373 ω 80.08973
H 12.8 *G* 0.15 *U* 1 Opp. 6 *n* 0.23631642 Ω 179.07231
 rms res. 0".83 (M-v) 1951-1996 *e* 0.2596350 *i* 11.82332

Epoch 1997 June 1.0 TT = JDT 2450600.5
(6947) 1981 ET₈ Obs. 40 *M* 102.82690 ω 353.72638
H 14.6 *G* 0.15 *U* 1 Opp. 7 *n* 0.26513331 Ω 213.51510
 rms res. 0".82 (M-v) 1955-1996 *e* 0.0627682 *i* 3.87730

Epoch 1997 June 1.0 TT = JDT 2450600.5
(6995) 1996 BZ₁ Obs. 22 *M* 34.29707 ω 188.50383
H 14.0 *G* 0.15 *U* 1 Opp. 5 *n* 0.24438979 Ω 57.61195
 rms res. 0".55 (M-v) 1978-1996 *e* 0.1751489 *i* 4.49899

Epoch 1997 June 1.0 TT = JDT 2450600.5
(7028) 1993 XC₁ Obs. 42 *M* 353.99363 ω 209.78569
H 13.2 *G* 0.15 *U* 1 Opp. 6 *n* 0.20230062 Ω 116.97222
 rms res. 0".73 (M-v) 1949-1996 *e* 0.0696975 *i* 3.12228

Epoch 1997 June 1.0 TT = JDT 2450600.5
(7038) 1995 DJ₂ Obs. 54 *M* 231.94870 ω 6.91133
H 12.2 *G* 0.15 *U* 1 Opp. 6 *n* 0.17332412 Ω 43.87700
 rms res. 0".67 (M-v) 1953-1996 *e* 0.1848307 *i* 0.53595

Epoch 1997 June 1.0 TT = JDT 2450600.5
(7069) 1994 YG₂ Obs. 39 *M* 213.30122 ω 54.53387
H 13.5 *G* 0.15 *U* 1 Opp. 6 *n* 0.25376157 Ω 66.61653
 rms res. 0".75 (M-v) 1982-1996 *e* 0.0226053 *i* 5.38477

Epoch 1997 June 1.0 TT = JDT 2450600.5
(7071) 1995 BH₄ Obs. 42 *M* 85.29236 ω 88.00304
H 12.7 *G* 0.15 *U* 1 Opp. 4 *n* 0.17366565 Ω 130.11245
 rms res. 0".66 (M-v) 1950-1996 *e* 0.1796324 *i* 11.32771

Epoch 1997 June 1.0 TT = JDT 2450600.5
(7073) 1972 RU₁ Obs. 33 *M* 65.88444 ω 119.05816
H 14.7 *G* 0.15 *U* 1 Opp. 7 *n* 0.28364209 Ω 209.26367
 rms res. 0".68 (M-v) 1951-1996 *e* 0.1759724 *i* 4.63551

Epoch 1997 June 1.0 TT = JDT 2450600.5
(7263) 1995 DP Obs. 33 *M* 164.65200 ω 267.25784
H 14.5 *G* 0.15 *U* 1 Opp. 5 *n* 0.31393975 Ω 1.15265
 rms res. 0".76 (M-v) 1955-1996 *e* 0.1047275 *i* 3.30846

Epoch 1997 June 1.0 TT = JDT 2450600.5
(7282) 1989 BC Obs. 45 *M* 242.31892 ω 98.75066
H 11.9 *G* 0.15 *U* 1 Opp. 7 *n* 0.21540583 Ω 99.81764
 rms res. 0".76 (M-v) 1954-1996 *e* 0.1344491 *i* 13.13872

Epoch 1997 June 1.0 TT = JDT 2450600.5
(7338) 1990 VJ₃ Obs. 28 *M* 80.95286 ω 164.68690
H 11.9 *G* 0.15 *U* 1 Opp. 5 *n* 0.18894771 Ω 264.78018
 rms res. 0".74 (M-v) 1979-1997 *e* 0.0796251 *i* 8.73989

Epoch 1997 June 1.0 TT = JDT 2450600.5
(7364) 1996 KS Obs. 34 *M* 56.16290 ω 128.93467
H 15.7 *G* 0.15 *U* 1 Opp. 5 *n* 0.28923238 Ω 182.90735
 rms res. 0".78 (M-v) 1989-1996 *e* 0.1603786 *i* 2.33405

Epoch 1997 June 1.0 TT = JDT 2450600.5
(7366) 1996 UY Obs. 27 *M* 56.91747 ω 333.61170
H 11.6 *G* 0.15 *U* 1 Opp. 6 *n* 0.17557866 Ω 50.72211
 rms res. 0".81 (M-v) 1973-1996 *e* 0.1316814 *i* 6.32518

Epoch 1997 June 1.0 TT = JDT 2450600.5
(7387) 1982 BS₁ Obs. 29 *M* 37.09733 ω 295.13640
H 13.4 *G* 0.15 *U* 1 Opp. 6 *n* 0.25694445 Ω 151.31407
 rms res. 0".88 (M-v) 1982-1997 *e* 0.1530604 *i* 7.06215

Epoch 1997 June 1.0 TT = JDT 2450600.5
(7392) 1984 EX Obs. 93 *M* 305.06215 ω 204.95637
H 12.4 *G* 0.15 *U* 1 Opp. 5 *n* 0.21555626 Ω 347.26690
 rms res. 0".62 (M-v) 1984-1997 *e* 0.1292804 *i* 4.95559

Epoch 1997 June 1.0 TT = JDT 2450600.5
(7399) 1987 BC₂ Obs. 51 *M* 67.14461 ω 120.04021
H 13.9 *G* 0.15 *U* 1 Opp. 8 *n* 0.28623909 Ω 274.39753
 rms res. 0".80 (M-v) 1951-1997 *e* 0.1969965 *i* 3.86274

Epoch 1997 June 1.0 TT = JDT 2450600.5
(7407) 1988 TL Obs. 50 *M* 61.93430 ω 141.49105
H 13.5 *G* 0.15 *U* 1 Opp. 5 *n* 0.26197821 Ω 297.28629
 rms res. 0".81 (M-v) 1982-1997 *e* 0.1724406 *i* 1.52210

Epoch 1997 June 1.0 TT = JDT 2450600.5
(7483) 1994 VO₂ Obs. 43 *M* 140.90184 ω 356.00218
H 12.4 *G* 0.15 *U* 1 Opp. 7 *n* 0.17382278 Ω 81.87638
 rms res. 0".84 (M-v) 1949-1997 *e* 0.0821240 *i* 3.92959

(7542)* 1953 GN = 1991 PX₁

Discovered 1953 Apr. 7 by K. Reinmuth at Heidelberg.

Id. H. Kaneda (*MPC* 19009)

Epoch 1997 June 1.0 TT = JDT 2450600.5
M 357.82773 (2000.0) *P* *Q*
n 0.29025423 ω 38.32173 -0.91500177 +0.40263769
a 2.2591775 Ω 165.35771 -0.39061707 -0.86824684
e 0.1307797 *i* 5.80928 -0.10094584 -0.28987983
P 3.40 *H* 14.2 *G* 0.15 *U* 1

Residuals in seconds of arc

530407 024 0.2+ 0.8- 940514 801 0.0 0.1- 951026 046 0.5- 0.2-
 530412 024 1.1- 0.9- 940605 596 (2.1+ 0.1+) 951030 658 0.1- 0.8+
 530419 024 0.3+ 0.4+ 940605 596 0.6- 0.3+ 951030 658 0.6- 0.8+
 881007 675 1.7+ 1.0+ 940605 596 0.9- 0.7+ 951030 658 0.2- 0.9+
 881007 675 0.1+ 0.6+ 951020 691 0.5- 0.1+ 970110 689 1.0- 0.5-
 910810 809 (7.3- 5.3-) 951020 691 0.4- 0.0 970226 689 1.5+ 0.5+
 910810 809 (0.8+ 3.7-) 951020 691 1.6- 0.7- 970309 886 0.3+ 0.9+
 910810 809 0.4- 0.6- 951025 046 0.6+ 0.5- 970309 886 0.1+ 0.6+
 910814 809 1.7+ 1.5+ 951025 046 0.7+ 0.4- 970309 127 0.1+ 0.2-
 910814 809 0.0 0.3+ 951025 046 0.5+ 0.2- 970309 127 0.3+ 0.4-
 910814 809 0.6+ 1.8+ 951025 046 0.6+ 0.1- 970311 127 0.8+ 0.7+
 910913 675 1.0- 1.3- 951026 046 0.6- 0.3- 970311 127 0.7+ 1.0+
 910913 675 0.9+ 0.6- 951026 046 0.5- 0.3- 970311 886 0.1- 1.0-
 940507 801 0.4- 0.1- 951026 046 0.5- 0.3- 970311 886 0.7- 0.5+
 940507 801 0.0 0.1+ 951026 046 0.5- 0.2-

(7543)* 1973 SY = 1990 EP

Discovered 1973 Sept. 19 by C. J. van Houten and I. van Houten-Groeneveld
 on Palomar Schmidt plates taken by T. Gehrels.
 Id. H. Kaneda (*MPC* 16693)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	344.10246	(2000.0)	P Q
<i>n</i>	0.08437550	ω 205.90833	+0.75263449 -0.65517854
<i>a</i>	5.1482365	Ω 195.57939	+0.63850483 +0.75050539
<i>e</i>	0.0646462	<i>i</i> 14.10255	+0.16078838 +0.08650281
<i>P</i>	11.68	<i>H</i> 10.6	<i>G</i> 0.15 <i>U</i> 1

Residuals in seconds of arc

560508 675	0.9+	1.7-	731004 675	0.3+	0.6+	960913 809	0.3-	0.8-
560508 675	0.4-	1.0-	731005 675	1.4+	2.3-	960913 809	0.4-	0.8-
730919 675	0.8-	0.1+	731005 675	0.5-	0.9+	960914 809	0.3-	0.5-
730919 675	0.5-	1.4+	900302 809	1.5+	0.9-	960914 809	0.3-	0.6-
730920 675	1.2-	0.2+	900302 809	0.1+	0.6-	960921 809	0.7-	0.5-
730924 675	(3.5- 0.3-)		900302 809	0.6-	1.5-	960921 809	0.9-	0.4-
730924 675	0.5+	0.2-	900304 809	0.3-	0.4-	961003 809	0.8+	0.5-
730925 675	1.3-	0.0	900304 809	0.3-	1.4-	961003 809	0.7+	0.3-
730925 675	0.2-	0.7+	900304 809	0.8-	1.0-	961003 809	0.6-	0.4-
730929 675	0.8+	1.2+	910415 675	(3.5- 2.3-)		961004 809	1.7+	0.6-
730929 675	0.1-	0.8+	910415 675	(3.4- 3.5-)		961004 809	1.7+	1.5-
730930 675	0.0	1.3-	910515 675	1.5-	0.7-	961004 809	1.5+	1.3-
730930 675	0.1-	0.2+	910515 675	(0.6- 2.8-)				
731004 675	1.1+	1.8-	960912 809	0.4-	0.7-			

(7544)* 1976 UB₂ = 1983 AQ₁ = 1986 VL₆ = 1994 EP₇

Discovered 1976 Oct. 26 by T. M. Smirnova at the Crimean Astrophysical Observatory.

Id. A. Lowe (*MPC* 13480), G. V. Williams (*MPC* 28293)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	162.14810	(2000.0)	P Q
<i>n</i>	0.19919185	ω 4.20113	+0.22802646 +0.97351202
<i>a</i>	2.9037218	Ω 278.98039	-0.89380236 +0.20249943
<i>e</i>	0.0387191	<i>i</i> 0.96769	-0.38616225 +0.10615235
<i>P</i>	4.95	<i>H</i> 12.3	<i>G</i> 0.15 <i>U</i> 1

Residuals in seconds of arc

761024 381	1.3+	0.7+	890401 675	0.1+	1.0+	961107 684	0.5-	0.2+
761024 381	0.3-	0.2-	940314 303	0.8+	0.2+	961107 684	0.6-	0.2+
761026 095	1.2-	1.3-	940315 303	0.1-	0.8+	961107 684	0.6-	0.3+
830112 046	0.6+	0.2+	940316 303	0.9+	0.4+	961108 684	0.0	0.4+
830112 046	0.9-	1.8-	961011 684	0.1+	0.3-	961108 684	0.1-	0.4+
861106 688	0.5-	1.2+	961011 684	0.0	0.2-	961108 684	0.0	0.5+
861106 688	0.1+	1.2-	961011 684	0.0	0.3-	961109 684	0.1-	0.5+
861107 046	(6.2- 0.9+)		961012 684	0.1+	0.0	961109 684	0.1-	0.5+
861107 046	1.4+	1.6+	961012 684	0.1+	0.1-	961110 684	0.1-	0.4+
890401 675	0.4-	1.2+	961012 684	0.0	0.2-	961110 684	0.0	0.4+

(7545)* 1978 OB = 1995 OP

Discovered 1978 July 28 by C.-I. Lagerkvist at Mount Stromlo.

Id. G. V. Williams (*MPC* 25527)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	191.23523	(2000.0)	P Q
<i>n</i>	0.28962325	ω 199.62550	+0.70108072 +0.70561993
<i>a</i>	2.2624575	Ω 115.04668	-0.63813005 +0.68521925
<i>e</i>	0.2326058	<i>i</i> 6.52113	-0.31823868 +0.18048571
<i>P</i>	3.40	<i>H</i> 14.7	<i>G</i> 0.15 <i>U</i> 2

Residuals in seconds of arc

780728 414	0.3-	0.9+	921127 675	0.5-	0.4+	950805 372	0.9-	0.5+
780728 414	0.5-	0.1-	921128 675	1.2-	0.2-	970114 566	0.1+	0.3-
780730 414	0.2-	0.3+	950725 372	0.9+	1.8-	970114 566	0.2+	0.5-
780730 414	0.3+	1.0+	950725 372	0.6+	0.0	970114 566	0.8-	0.3-
780802 414	0.2-	0.4+	950727 372	1.7-	0.7+	970204 566	0.1-	0.3+
780802 414	0.3+	0.4-	950728 372	0.6+	0.2+	970204 566	0.3+	0.2+
921026 675	0.3+	0.8+	950731 372	(3.5+ 0.6+)		970204 566	0.2+	0.1+
921026 675	0.7+	0.3-	950804 372	0.9+	0.8-			
921127 675	0.6+	0.7-	950804 372	0.0	1.3-			

(7546)* 1979 MB₄ = 1979 OQ₉ = 1980 WJ₅

Discovered 1979 June 25 by E. F. Helin and S. J. Bus at Siding Spring.

Id. H. Oishi (d, *JAM* 2064), S. J. Bus (*MPC* 18803)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	67.76857	(2000.0)	P Q
<i>n</i>	0.27950596	ω 83.68180	-0.41385739 +0.90988971
<i>a</i>	2.3167295	Ω 161.78827	-0.86730451 -0.38452253
<i>e</i>	0.1106290	<i>i</i> 5.26603	-0.27659527 -0.15570208
<i>P</i>	3.53	<i>H</i> 15.7	<i>G</i> 0.15 <i>U</i> 2

Residuals in seconds of arc

790623 413	1.0+	0.5+	801129 675	0.2+	0.2+	960319 608	0.3+	0.4+
790624 413	0.5-	0.2+	801201 675	0.8+	0.0	960320 608	0.2-	0.3+
790625 413	0.9+	0.9+	890329 675	1.3-	1.3-	960320 608	0.3+	0.1-
790629 413	1.2-	0.5+	890329 675	1.0-	0.2+	960321 608	0.6+	0.5+
790724 413	0.6-	0.9-	941129 691	0.2-	0.3+	960321 608	0.7+	0.4+
790726 675	0.4+	0.9-	941129 691	0.8-	0.2-	960419 566	0.4+	0.0
790727 675	1.1-	0.0	941129 691	0.3-	0.3+	960419 566	0.0	0.4-
790728 413	1.4+	0.6+	960319 608	0.3+	0.3+	960419 566	0.1+	0.0

(7547)* 1979 MO₄ = 1979 OB₈ = 1987 DP₃ = 1992 EG₁₂

Discovered 1979 June 25 by E. F. Helin and S. J. Bus at Siding Spring.

Id. H. Oishi (d, *JAM* 2065), G. V. Williams (*MPC* 23856)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	356.36942	(2000.0)	P Q
<i>n</i>	0.20613200	ω 42.72653	-0.91650991 +0.39980448
<i>a</i>	2.8381746	Ω 160.82782	-0.37677801 -0.85201171
<i>e</i>	0.0310889	<i>i</i> 2.24823	-0.13434256 -0.33798288
<i>P</i>	4.78	<i>H</i> 14.7	<i>G</i> 0.15 <i>U</i> 2

Residuals in seconds of arc

790625 413	0.9-	0.1+	920301 809	(4.0+ 1.7-)		970313 691	0.2+	0.7-
790629 413	1.8+	0.3+	920306 809	0.2+	1.7+	970313 691	0.3+	0.6-
790724 413	1.5-	0.1-	920308 809	0.5+	0.6+	970313 691	0.2+	0.4-
790725 675	0.3+	1.4+	920309 809	0.5+	0.1+	970409 691	0.6-	0.4-
870223 010	1.8-	1.5+	960210 608	0.2+	0.4-	970409 691	0.5-	0.4-
870223 010	2.2+	0.4+	960210 608	0.2-	0.5-	970409 691	0.9-	0.5-

(7548)* 1980 FW₂ = 1993 QA₄

Discovered 1980 Mar. 16 by C.-I. Lagerkvist at the European Southern Observatory.

Id. G. V. Williams (*MPC* 22948)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		Q	
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>	<i>U</i>	<i>1</i>
<i>n</i>	0.17539595	ω	291.21850	+0.21405722	+0.97682071
<i>a</i>	3.1607466	Ω	351.14158	-0.89402960	+0.19554240
<i>e</i>	0.1422035	<i>i</i>	0.33565	-0.39356142	+0.08708890
<i>P</i>	5.62	<i>H</i>	13.5	<i>G</i>	0.15

Residuals in seconds of arc

800316 809	0.1+	0.6+	930819 010	0.0	0.1-	930920 010	0.2-	1.5+
800316 809	0.8+	0.4+	930819 010	0.2-	0.1+	960117 566	0.3-	0.4+
800316 809	0.6+	0.0	930819 010	0.3-	0.3-	960117 566	0.8+	0.9+
800316 809	0.3+	0.5+	930820 809	1.5-	0.0	960117 566	0.0	0.8+
800317 809	0.5+	0.1+	930820 809	1.2-	0.3-	970311 691	0.5+	0.1-
800317 809	0.4-	1.1+	930820 809	1.5-	0.3-	970311 691	0.1+	0.1+
800317 809	0.2+	0.5+	930824 809	(3.5-	0.8-)	970311 691	0.2+	0.2+
800317 809	0.5+	0.4+	930824 809	(3.7-	1.3-)	970315 691	0.1-	0.0
800323 809	1.1-	0.1-	930824 809	(3.8-	1.3-)	970315 691	0.1+	0.1-
930815 809	0.8+	1.8+	930919 010	1.0+	0.9+	970315 691	0.1-	0.1-
930815 809	0.4+	1.6+	930919 010	0.6+	0.7+	970409 691	0.0	0.6+
930815 809	(0.3+	2.2+)	930920 010	0.4+	1.0+	970409 691	0.1+	1.1+
930818 010	1.3-	0.3+	930920 010	(0.3-	2.4+)	970409 691	0.4+	0.9+

(7549)* 1980 TO₅ = 1990 RF₉

Discovered 1980 Oct. 9 by C. S. Shoemaker at Palomar.

Id. E. Bowell (*MPC* 17956)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		Q	
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>	<i>U</i>	<i>2</i>
<i>n</i>	0.18950908	ω	185.10858	+0.62827618	-0.76851263
<i>a</i>	3.0018065	Ω	226.03558	+0.71961761	+0.63319725
<i>e</i>	0.0894055	<i>i</i>	9.68336	+0.29566797	+0.09192165
<i>P</i>	5.20	<i>H</i>	12.6	<i>G</i>	0.15

Residuals in seconds of arc

801008 675	0.7-	0.1+	911006 033	0.0	0.0	961102 560	0.0	1.3+
801009 675	0.2+	0.7+	911006 033	0.4+	0.0	961102 560	0.4+	0.5+
801010 675	0.4+	2.0+	911008 033	0.8-	0.2-	961102 560	0.2-	0.0
801107 675	0.4-	0.7-	911009 033	0.3+	0.0	961108 560	0.1-	0.8-
900914 675	0.5-	0.8-	911010 033	0.7-	0.5-	961108 560	1.0+	0.6+
900914 675	0.6+	0.7-	911202 675	0.1+	1.8-	961108 560	0.4-	0.2+
900918 675	0.3+	0.7-	911206 675	(1.0+	2.2-)	970109 689	0.5-	0.8-
900918 675	0.3+	0.3-	911206 675	(0.5+	4.0-)			

(7550)* 1981 EV₈

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring in the course of the U.K. Schmidt-Caltech Asteroid Survey.

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		Q	
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>	<i>U</i>	<i>2</i>
<i>n</i>	0.28436024	ω	134.69742	+0.97301571	+0.22490285
<i>a</i>	2.2902882	Ω	212.40823	-0.22939050	+0.91873791
<i>e</i>	0.1950755	<i>i</i>	5.52131	-0.02490836	+0.32456024
<i>P</i>	3.47	<i>H</i>	14.9	<i>G</i>	0.15

Residuals in seconds of arc

780509 675	1.3-	0.0	810412 413	2.0-	1.9+	920503 809	(1.1+	3.7+)
780510 675	1.2+	1.9-	810412 413	1.8+	1.8-	920503 809	(1.0+	3.1+)
810209 413	0.6-	0.3+	810430 413	0.9+	1.9+	920503 809	(0.2+	2.8+)

810213 413	2.0+	0.8-	810502 413	0.3-	0.4-	920603 675	0.1-	0.5-
810301 413	(3.2-	2.3+)	890827 688	0.3-	0.4+	920605 675	0.1-	0.6+
810301 413	1.2-	0.3+	890827 688	0.0	0.3+	961010 801	0.2+	1.2-
810307 413	1.1+	0.3-	890827 688	0.1+	0.3+	961012 801	0.1-	0.8-
810311 413	0.2+	1.4-	890830 675	0.4-	0.1+	961012 801	0.4+	1.5-
810315 413	2.0-	0.5+	890830 675	0.6-	0.1-	961113 801	1.5+	1.0+
810315 413	0.6-	0.4-	910122 675	0.0	0.5-	961113 801	0.1-	0.8+
810406 413	1.5+	1.5-	910122 675	1.2-	0.9+	961114 801	0.8+	1.4-

(7551)* 1981 EF₂₆ = 1990 UF₅

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring in the course of the U.K. Schmidt-Caltech Asteroid Survey.

Id. S. Nakano (*MPC* 17628)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Nakano		Q	
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>	<i>U</i>	<i>1</i>
<i>n</i>	0.17094884	ω	317.46013	-0.67591025	-0.73690954
<i>a</i>	3.2153279	Ω	175.03136	+0.70451351	-0.65023653
<i>e</i>	0.1021494	<i>i</i>	6.94439	+0.21634704	-0.18481552
<i>P</i>	5.77	<i>H</i>	12.3	<i>G</i>	0.15

Residuals in seconds of arc

810209 413	0.6+	0.8+	810407 413	1.2-	1.1+	901024 809	2.1+	1.0-
810212 413	0.2+	0.3-	810407 413	1.4+	0.7-	920106 801	0.1+	0.2+
810213 413	1.0+	0.5-	810410 413	0.6-	1.3+	920106 801	0.2+	0.3+
810302 413	1.5-	0.2-	810410 413	1.3+	0.6-	930419 801	0.1+	0.2+
810302 413	0.6-	1.3-	810426 413	1.9+	0.8-	930419 801	0.9+	1.3+
810306 413	1.3-	0.1+	810501 413	0.8+	0.1+	930424 801	0.7-	0.3-
810306 413	0.7+	0.5-	831008 413	0.8+	1.2-	930424 801	0.4+	0.0
810311 413	0.8-	0.2-	901016 809	0.1-	0.5+	950917 691	0.7-	0.5-
810311 413	0.3-	0.5-	901016 809	0.6-	0.7+	950917 691	0.4-	0.1+
810315 413	1.5-	0.3-	901016 809	0.3-	1.0+	950917 691	0.2+	0.1-
810315 413	0.0	0.8-	901019 809	1.6-	0.1+	961030 689	0.7+	0.2+
810405 413	0.1+	0.7+	901019 809	0.1+	0.3-	961111 689	0.4-	0.2+
810405 413	(2.7+	1.2-)	901019 809	0.0	0.4+	970109 689	0.5-	0.1+
810406 413	1.0-	0.4+	901024 809	0.8+	0.9-			
810406 413	0.1-	0.2-	901024 809	0.2+	0.8-			

(7552)* 1981 EB₂₇ = 1989 EK₉

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring in the course of the U.K. Schmidt-Caltech Asteroid Survey.

Id. G. V. Williams (*MPC* 26395)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		Q	
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>	<i>U</i>	<i>2</i>
<i>n</i>	0.24157995	ω	324.17942	-0.55962947	-0.82847803
<i>a</i>	2.5532624	Ω	159.82498	+0.77379954	-0.53141282
<i>e</i>	0.0635069	<i>i</i>	3.48294	+0.29673073	-0.17670474
<i>P</i>	4.08	<i>H</i>	15.6	<i>G</i>	0.15

Residuals in seconds of arc

810209 413	0.4+	1.2-	831104 675	0.2+	0.8-	970202 691	0.5-	0.0
810212 413	0.1+	1.3-	890305 033	0.6-	0.8+	970203 691	0.4-	0.0
810213 413	0.2-	0.2-	890305 033	0.4-	0.0	970203 691	0.2-	0.2-
810302 413	1.5+	1.4-	951001 691	0.1-	0.5-	970203 691	0.4-	0.0
810302 413	1.5-	0.1+	951001 691	0.1+	0.4-	970206 566	1.3+	0.2+
810306 413	(2.9-	0.1+)	951001 691	0.2+	0.5-	970206 566	0.8+	0.3+

810311	413	1.1-	0.4-	951019	691	0.2+	0.6-	970206	566	1.2+	0.1+
810311	413	0.2-	0.1-	951019	691	0.8+	0.2-	970208	566	0.2+	0.1+
810315	413	1.8-	0.2+	951019	691	0.3-	0.2-	970208	566	0.5+	0.1+
810315	413	1.1+	0.7-	970131	691	0.5-	0.2-	970208	566	0.1+	0.1+
810405	413	(3.2+	1.0-)	970131	691	0.4-	0.0	970211	691	0.3-	0.3-
810426	413	1.4+	0.9-	970131	691	0.6-	0.0	970211	691	0.5-	0.1-
810501	413	0.8-	0.3+	970202	691	0.3-	0.2+	970306	704	0.7+	1.1+
831030	675	(3.0-	11.1-)	970202	691	0.5-	0.2+	970306	704	1.3+	0.6+

(7553)* 1981 FG = 1988 AJ₃

Discovered 1981 Mar. 30 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Id. S. Nakano (*MPC* 24226)

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	148.88930	(2000.0)		Nakano	
		P		Q	
<i>n</i>	0.26627664	ω	96.02586	-0.98569560	-0.15921865
<i>a</i>	2.3928419	Ω	74.82224	+0.12288628	-0.90337037
<i>e</i>	0.1453988	<i>i</i>	3.28237	+0.11533931	-0.39821025
<i>P</i>	3.70	<i>H</i>	14.4	<i>G</i>	0.15
				<i>U</i>	2

Residuals in seconds of arc

501209	675	0.1+	0.1+	941031	411	0.2-	0.7-	960515	566	0.3-	0.3+
501209	675	1.0-	0.5+	941031	411	0.5-	0.6-	960515	566	0.2-	0.1+
810330	688	1.2-	0.0	941101	411	0.7+	0.2+	960515	566	0.6-	0.0
810330	688	(0.3-	2.5-)	941101	411	1.2+	0.6-	960516	566	0.2-	0.2-
810405	688	0.4+	2.1-	941101	411	0.1-	0.1-	960516	566	0.0	0.5-
810405	688	1.5+	1.4-	941105	675	1.1-	1.4-	960516	566	0.0	0.3-
810410	688	0.2+	0.9-	941105	675	0.5+	1.2-	960604	689	0.7-	1.0+
880111	033	0.5-	1.7+	941128	675	1.1+	0.2-				
880111	033	0.5-	1.2+	941128	675	1.5+	0.2-				

(7554)* 1981 GQ

Discovered 1981 Apr. 5 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	348.40088	(2000.0)		Williams	
		P		Q	
<i>n</i>	0.17846125	ω	153.58762	-0.97393362	-0.21930444
<i>a</i>	3.1244489	Ω	14.11149	+0.14205940	-0.78889137
<i>e</i>	0.2755989	<i>i</i>	13.75135	+0.17684011	-0.57406965
<i>P</i>	5.52	<i>H</i>	12.8	<i>G</i>	0.15
				<i>U</i>	2

Residuals in seconds of arc

781003	675	1.4-	0.4-	810309	809	0.0	0.3+	810407	688	0.7+	0.7-
781004	675	1.8+	0.1+	810313	809	0.3+	0.2+	810409	688	0.3+	0.9-
810301	809	0.7-	0.1-	810313	809	0.4+	0.2+	810409	688	0.8+	1.5-
810301	809	0.7-	0.2-	810313	809	0.8+	0.3+	810409	046	(0.8-	2.7+)
810301	809	0.8-	0.1-	810315	809	0.6-	0.4+	810409	046	(1.7-	3.1+)
810304	809	0.7-	1.0+	810315	809	0.3-	0.2+	890929	675	0.2+	0.2-
810304	809	0.2-	0.3+	810315	809	0.3-	0.2+	890929	675	1.1+	1.8-
810304	809	0.1-	0.2-	810317	809	0.8-	0.4+	920301	801	0.1+	0.6-
810305	809	0.4+	0.7-	810317	809	0.3-	0.2+	920301	801	0.1+	0.9-
810305	809	0.4-	1.5-	810317	809	0.1+	0.3+	920323	400	0.3-	0.4+
810305	809	0.0	0.3-	810327	046	0.6-	0.1+	920323	400	0.5-	0.5-
810307	809	0.5-	0.3-	810327	046	1.5-	1.5+	920324	400	1.1+	0.3+
810307	809	0.1+	0.1-	810329	046	1.4+	0.6-	920324	400	1.3+	1.0+

810307	809	0.2+	0.2-	810329	046	1.0+	0.4+	920328	400	0.2-	1.4+
810308	809	0.2-	0.1-	810402	046	1.5-	0.4-	920328	400	0.4+	1.2+
810308	809	0.0	0.3-	810403	046	1.5-	1.1-	961111	689	0.3+	1.3-
810308	809	0.1+	0.5-	810405	688	1.7+	0.7-	970110	689	1.4-	0.2+
810309	809	0.9-	0.5+	810405	688	0.7+	1.1-	970310	689	1.2+	1.3+
810309	809	0.6-	0.4+	810407	688	0.3+	0.2+				

(7555)* 1981 SZ₆ = 1991 LN₁

Discovered 1981 Sept. 28 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Id. G. V. Williams (*MPC* 18621)

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	118.68817	(2000.0)		Williams	
		P		Q	
<i>n</i>	0.27390223	ω	315.10534	+0.88207570	-0.46982429
<i>a</i>	2.3482212	Ω	72.94661	+0.44179647	+0.79932920
<i>e</i>	0.1993186	<i>i</i>	2.08308	+0.16357976	+0.37461708
<i>P</i>	3.60	<i>H</i>	14.5	<i>G</i>	0.15
				<i>U</i>	1

Residuals in seconds of arc

810928	095	(0.8-	3.7+)	880911	675	0.8-	0.6+	970203	566	1.0-	0.1+
811006	095	1.1-	1.8+	910606	809	0.6+	0.7+	970203	566	1.2-	0.2+
811006	095	0.9-	0.0	910606	809	0.2+	0.0	970304	704	1.1+	0.3-
811026	095	(0.7+	3.4+)	910606	809	0.1+	0.6-	970304	704	0.0	0.4+
811027	095	1.4+	0.4-	910608	809	1.1-	0.6+	970305	704	0.6+	0.6-
880816	675	0.0	0.8-	910608	809	0.4+	0.2+	970305	704	0.6+	0.2+
880816	675	0.2+	0.4-	910608	809	0.1-	0.3+	970306	704	0.9+	0.2+
880911	675	1.1+	0.7-	970203	566	1.2-	0.0	970306	704	0.5+	0.2-

(7556)* 1982 FX₂ = 1995 XF

Discovered 1982 Mar. 18 by H. Debehogne at the European Southern Observatory.

Id. G. V. Williams (*MPC* 27709)

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	154.37767	(2000.0)		Williams	
		P		Q	
<i>n</i>	0.19898020	ω	18.85928	+0.81706236	-0.57640223
<i>a</i>	2.9057805	Ω	16.35859	+0.52285103	+0.73125596
<i>e</i>	0.1209441	<i>i</i>	2.65001	+0.24297304	+0.36472619
<i>P</i>	4.95	<i>H</i>	12.9	<i>G</i>	0.15
				<i>U</i>	1

Residuals in seconds of arc

820318	809	0.5+	1.1+	820329	809	1.1-	0.9+	970304	691	0.1+	0.5-
820318	809	0.1+	0.9+	820401	809	0.2+	0.1+	970304	691	0.1+	0.5-
820318	809	0.1+	1.3+	820401	809	0.4+	0.2-	970307	691	0.2-	0.3-
820321	809	0.2-	0.2-	820401	809	2.3+	0.0	970307	691	0.1-	0.4-
820321	809	0.6-	0.1+	890729	675	0.9-	0.2-	970307	691	0.2-	0.6-
820321	809	0.9-	0.5+	890729	675	0.3+	0.3-	970313	691	0.3+	0.9-
820322	809	0.3+	1.1+	890731	675	0.5+	0.7-	970313	691	0.4+	0.8-
820322	809	0.4+	0.7+	890731	675	0.6+	0.1-	970313	691	0.4+	0.6-
820322	809	0.5+	0.2+	890902	675	0.8+	0.3-	970314	691	0.5-	0.7-
820323	809	0.2+	0.2-	890902	675	0.2-	1.0-	970314	691	0.5-	0.7-
820323	809	0.6+	0.0	951202	411	0.5-	0.2+	970314	691	0.5-	0.6-
820323	809	0.3+	0.5+	951202	411	0.5-	0.2-	970407	691	0.8-	0.6-
820328	809	(1.5-	7.1+)	951204	411	0.2+	1.5-	970407	691	0.7-	0.6-
820328	809	0.4+	0.3+	951204	411	0.1+	1.5-	970407	691	0.9-	0.4-
820328	809	1.2+	1.2-	951216	411	0.2-	0.1+	970416	691	1.0-	0.1-

820329 809 0.2- 1.4+ 951216 411 0.5+ 0.3+ 970416 691 0.5- 0.6-
 820329 809 0.6- 0.3+ 970304 691 0.3+ 0.5- 970416 691 0.7- 0.7-

(7557)* 1982 FK₃ = 1978 EN₈ = 1986 GN₁ = 1986 GA₃

Discovered 1982 Mar. 21 by H. Debehogne at the European Southern Observatory.

Id. H. Kaneda (*MPC* 16023)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	11.59860	(2000.0)	
		P	Q
<i>n</i>	0.25466055	ω 298.92416	-0.60965256 -0.79258216
<i>a</i>	2.4650644	Ω 188.66908	+0.75163874 -0.57333881
<i>e</i>	0.2215137	<i>i</i> 4.45824	+0.25172000 -0.20759607
<i>P</i>	3.87	<i>H</i> 13.8	<i>G</i> 0.15 <i>U</i> 2

Residuals in seconds of arc

780305 095	0.5-	0.9-	820329 809	0.2-	1.4+	820401 809	0.3+	0.0
820321 809	0.4-	0.1+	820329 809	0.0	1.1+	820401 809	0.6+	0.2+
820321 809	0.7-	0.3-	820330 809	0.2-	0.8-	820401 809	0.1+	0.2+
820321 809	0.3+	0.8-	820330 809	0.1-	0.7-	860404 095	(4.1-	1.2+)
820326 809	0.3-	0.1+	820330 809	0.2+	0.4-	860413 801	1.2+	0.6-
820326 809	0.0	0.2+	820330 809	0.1+	0.9-	921128 675	0.6+	0.0
820326 809	0.2+	0.2+	820330 809	0.1-	0.3-	921128 675	0.9+	0.1-
820327 809	0.1+	0.7-	820330 809	0.4+	0.1+	950720 104	0.1+	0.7-
820327 809	0.5-	0.3-	820331 809	0.4+	0.4+	950720 104	0.9-	0.6-
820327 809	0.7-	0.3-	820331 809	0.5+	0.3+	961111 801	0.4+	1.1+
820328 809	0.6-	0.1-	820331 809	0.4+	0.2+	961112 801	1.1+	0.9+
820328 809	0.4-	0.0	820331 809	0.9-	0.7+	961112 801	0.1+	0.5+
820328 809	0.0	0.3+	820331 809	0.3-	0.0	961201 689	0.8-	0.9-
820329 809	0.1+	0.3+	820331 809	0.3-	0.2+	970109 689	(2.5+	0.1+)
820329 809	0.1+	0.2-	820401 809	0.4+	0.0	970115 599	1.0-	0.7-
820329 809	0.2-	0.1-	820401 809	0.5+	0.4+	970115 599	0.7-	0.4-
820329 809	0.0	0.9+	820401 809	0.8+	0.1-			

(7558)* 1982 TB₂ = 1973 AB₂ = 1992 PS₂

Discovered 1982 Oct. 14 by L. G. Karachkina at the Crimean Astrophysical Observatory.

Id. E. Bowell (*MPC* 20812), G. V. Williams (*ibid.*)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	52.12495	(2000.0)	
		P	Q
<i>n</i>	0.28435429	ω 163.22033	+0.38646751 -0.91897274
<i>a</i>	2.2903202	Ω 263.98941	+0.83689734 +0.38509656
<i>e</i>	0.1005873	<i>i</i> 4.51613	+0.38761541 +0.08479235
<i>P</i>	3.47	<i>H</i> 13.4	<i>G</i> 0.15 <i>U</i> 1

Residuals in seconds of arc

511108 675	0.2-	0.5-	920803 675	1.5-	1.7-	940312 675	0.0	0.5-
511108 675	0.2-	0.0	920806 675	0.7+	1.9-	940312 675	0.8-	0.5-
730101 095	(3.5+	6.3-)	920806 675	0.1+	0.1-	940314 675	0.2-	0.1-
821014 095	(3.1-	1.0-)	920806 675	0.0	1.1-	940314 675	0.0	1.1-
821015 095	0.0	0.2+	920806 675	1.1+	0.2-	940321 801	0.1-	0.0
821021 095	0.0	1.4-	920827 675	0.7-	1.0+	940321 801	0.6-	1.1-
821022 095	0.3+	0.9-	920827 675	0.0	1.0+	961111 689	1.8-	0.1+
891105 675	0.1-	1.0+	920925 801	0.3+	0.1+	961112 801	0.7+	0.1-
891105 675	0.1-	0.2+	920925 801	0.2+	0.0	961112 801	0.7+	0.0
891122 675	1.1+	0.1+	921002 801	0.4+	0.6-	961113 801	0.4-	0.4+

891122 675 1.2+ 0.6+ 921002 801 0.1+ 0.5- 970109 689 1.0- 0.2+
 920802 675 0.5+ 0.1+ 940215 675 0.6- 0.6- 970110 689 0.1- 0.6-
 920803 675 0.5+ 1.4- 940215 675 0.2+ 1.4-

(7559)* 1985 VF = 1980 EM₁ = 1995 EB₈

Discovered 1985 Nov. 14 by P. Jensen at Brorfelde.

Id. S. Nakano (*MPC* 25061)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Nakano	
<i>M</i>	94.95788	(2000.0)	
		P	Q
<i>n</i>	0.26247615	ω 231.75235	+0.67477588 +0.72386667
<i>a</i>	2.4158844	Ω 81.32931	-0.62349630 +0.66342226
<i>e</i>	0.2370026	<i>i</i> 8.36734	-0.39487958 +0.18944116
<i>P</i>	3.76	<i>H</i> 13.0	<i>G</i> 0.15 <i>U</i> 2

Residuals in seconds of arc

800315 095	1.9+	2.1-	880510 675	1.5-	0.2-	961015 801	0.5+	0.4+
851022 095	2.2-	0.5-	880510 675	0.5+	1.0+	961015 801	0.4+	0.8+
851111 095	0.3+	0.5-	950305 408	1.7+	0.0	961112 801	0.5-	0.0
851114 054	0.5+	0.8+	950305 408	1.4-	0.3-	961112 801	1.2+	1.0-
851115 054	0.3-	0.3+	950306 408	0.5+	1.6+	961113 801	0.6-	0.6-
851115 054	0.0	0.2+	950306 408	1.5-	0.0	961113 801	0.4+	0.1+

(7560)* 1986 AJ = 1990 OR

Discovered 1986 Jan. 10 by C. S. Shoemaker at Palomar.

Id. G. V. Williams (*MPC* 16871)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	129.03291	(2000.0)	
		P	Q
<i>n</i>	0.36052631	ω 91.12976	+0.88763092 -0.37223884
<i>a</i>	1.9551410	Ω 290.77293	+0.21290815 +0.85380773
<i>e</i>	0.1046277	<i>i</i> 16.86130	+0.40838886 +0.36393764
<i>P</i>	2.73	<i>H</i> 14.0	<i>G</i> 0.15 <i>U</i> 2

Residuals in seconds of arc

860110 675	1.1+	1.2+	900817 675	0.9+	0.4+	931116 675	(1.5+	2.4-)
860116 675	0.3+	1.2+	900820 675	0.1-	0.1+	931116 675	0.6+	0.9-
860205 675	0.0	0.2+	900820 675	0.6-	0.3+	931209 675	0.8+	0.1-
860205 675	1.1-	1.4+	901115 801	0.1+	0.3+	931209 675	0.0	0.4-
860206 675	1.2+	1.1+	901115 801	0.6+	0.3+	970114 127	0.1+	0.6-
900529 413	(2.5+	0.0)	901119 801	0.4+	0.4+	970114 127	0.5+	0.7-
900529 413	(1.6+	2.9+)	901119 801	0.7+	0.3+	970114 595	0.5-	0.2-
900722 675	0.9-	0.7+	930919 801	0.4+	0.2-	970114 595	0.3-	0.3+
900722 675	(0.1+	2.7-)	930919 801	0.4+	0.1+	970114 127	0.2+	0.2-
900723 675	1.0-	0.5+	930920 801	0.3+	0.1-	970114 127	0.1-	0.2-
900723 675	(2.6-	3.9-)	931024 693	1.4-	0.6+	970309 689	0.0	0.1-
900817 675	0.5-	0.2-	931024 693	1.4-	1.1-			

(7561)* 1986 TR₂ = 1989 KT = 1993 KP₂

Discovered 1986 Oct. 7 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Id. B. A. Skiff (*MPC* 23122), G. V. Williams (*ibid.*)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	87.26014	(2000.0)	
		P	Q
<i>n</i>	0.21301392	ω 347.84766	+0.57352734 -0.80399973
<i>a</i>	2.7767113	Ω 66.95687	+0.76515319 +0.45731159
<i>e</i>	0.2429933	<i>i</i> 9.82384	+0.29258671 +0.38006650
<i>P</i>	4.63	<i>H</i> 12.7	<i>G</i> 0.15 <i>U</i> 1

Residuals in seconds of arc

861007	688	1.0+	0.1+	890530	675	1.4+	0.3+	951026	801	0.0	0.4-
861007	688	0.3-	0.9-	930525	691	1.5-	0.1-	951026	801	0.5-	0.1-
861104	095	(1.5-	6.9-)	930525	691	1.1-	0.9-	951122	801	0.3-	1.0+
861105	688	0.9-	0.1-	930525	691	1.0-	0.8-	951122	801	0.5-	0.9+
861105	688	0.2-	0.4-	950819	413	0.1+	1.3-	970110	689	1.5-	1.4-
861202	688	0.1+	0.9-	950819	413	1.0+	0.1+	970212	689	0.5-	0.5+
861202	688	1.0+	0.8+	951024	801	0.0	0.4-	970309	689	1.0+	0.1+
890530	675	0.4+	0.4-	951024	801	0.3+	0.7-	970310	689	1.2+	0.3-

(7562)* 1986 WO₉ = 1990 RZ

Discovered 1986 Nov. 30 by H. Kosai and K. Hurukawa at the Kiso Station of the Tokyo Astronomical Observatory.

Id. A. Lowe (*MPC* 17633)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		Williams	
<i>M</i>	56.95150	<i>P</i>	<i>Q</i>	<i>P</i>	<i>Q</i>
<i>n</i>	0.21391236	ω	266.71517	-0.19642998	-0.98041113
<i>a</i>	2.7689310	Ω	194.63728	+0.92081219	-0.17937919
<i>e</i>	0.0230599	<i>i</i>	3.28181	+0.33692756	-0.08134566
<i>P</i>	4.61	<i>H</i>	12.8	<i>G</i>	0.15
				<i>U</i>	1

Residuals in seconds of arc

861130	381	0.6+	0.9+	930321	809	0.2+	0.2-	970202	563	0.2+	0.9-
861130	381	0.7+	1.4+	930322	809	0.7+	0.1+	970228	104	0.7+	0.1+
861201	381	0.1-	1.0+	930326	809	0.6-	0.4+	970228	104	0.7+	0.1+
861201	381	0.5+	0.9+	930327	809	0.2+	0.1-	970228	104	0.9+	0.0
880317	675	0.1-	0.4+	930416	413	0.7+	1.7+	970305	691	0.8-	1.0-
880317	675	0.1-	1.1+	940712	801	1.5+	1.1-	970305	691	0.8-	1.2-
900914	675	(0.7+	2.4-)	940713	801	0.5+	0.6+	970305	691	0.5-	0.9-
900914	675	(0.6+	2.3-)	940713	801	0.2+	0.8+	970312	691	0.6-	0.0
900920	675	0.4-	1.2-	940808	801	0.0	0.6+	970312	691	0.8-	0.2-
900920	675	0.7-	2.0-	951123	801	0.0	0.4+	970312	691	1.2-	0.2-
900925	809	0.8-	1.8-	951123	801	0.0	0.0	970331	704	1.5-	0.3+
900925	809	0.4-	1.8-	951125	801	0.6+	0.7+	970331	704	1.7+	0.4+
900925	809	0.0	1.7-	951125	801	0.7+	0.2+	970401	704	0.8-	1.3+
900927	809	0.5-	1.3+	970202	563	(1.4+	2.5-)	970401	704	(2.8+	0.1+)
900927	809	0.3-	1.3+	970202	563	0.0	1.5-				
900927	809	0.5-	1.3+	970202	563	0.1-	0.3-				

(7563)* 1988 BC = 1991 VJ₅

Discovered 1988 Jan. 16 by T. Kojima at YGCO Chiyoda Station.

Id. S. Nakano (*MPC* 19676)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Nakano		Nakano	
<i>M</i>	31.48774	<i>P</i>	<i>Q</i>	<i>P</i>	<i>Q</i>
<i>n</i>	0.22483153	ω	53.41400	-0.71320124	-0.66618791
<i>a</i>	2.6785386	Ω	83.69414	+0.55241969	-0.72565356
<i>e</i>	0.2277067	<i>i</i>	12.67136	+0.43148173	-0.17210631
<i>P</i>	4.38	<i>H</i>	12.3	<i>G</i>	0.15
				<i>U</i>	1

Residuals in seconds of arc

880116	897	0.4-	0.7-	911113	894	0.7+	0.5-	930424	801	0.1-	0.1+
880116	897	0.0	1.3-	911113	894	0.4+	0.0	970214	367	0.8+	0.2-
880120	897	0.5+	0.5-	911117	894	0.4-	1.0-	970214	367	0.8+	0.4-
880120	897	1.8-	0.2+	911117	894	0.3+	0.1+	970301	367	0.2-	0.5+
880123	897	0.1+	0.4+	930218	801	0.2+	0.4-	970301	367	0.0	0.5+

880123	897	0.1+	0.3+	930218	801	0.4+	1.2-	970309	689	1.7+	0.2+
880205	897	0.5+	0.7+	930220	801	0.5-	1.0-	970309	127	1.0-	0.2-
880206	897	2.1-	0.3+	930220	801	0.3-	1.4-	970309	127	1.1-	0.0
880206	897	(2.6-	2.2+)	930419	801	0.1-	0.1+	970310	689	0.1-	0.0
880210	897	0.5+	0.5-	930419	801	0.2-	0.1+	970310	127	0.4-	0.1-
880210	897	0.4+	0.3+	930421	046	2.0-	1.2+	970310	127	0.5-	0.1-
880212	894	(3.1+	0.3+)	930421	046	(3.2+	1.4+)	970313	962	0.0	0.1-
880212	894	(1.0+	2.6+)	930423	046	1.8+	0.2+	970314	962	0.5-	0.6-
880219	897	0.2+	1.5+	930423	046	0.3+	0.8+				
880219	897	1.7+	1.1+	930424	801	0.2-	0.9-				

(7564)* 1988 CA = 1982 YD₂ = 1990 RK₁₀

Discovered 1988 Feb. 7 by R. Rajamohan at Vainu Bappu Observatory,

Kavalur.

Id. H. E. Holt (*MPC* 18629), G. V. Williams (*ibid.*)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		Williams	
<i>M</i>	357.72729	<i>P</i>	<i>Q</i>	<i>P</i>	<i>Q</i>
<i>n</i>	0.21413741	ω	350.37273	-0.84724070	-0.52628097
<i>a</i>	2.7669906	Ω	157.41680	+0.49902603	-0.83511064
<i>e</i>	0.2025466	<i>i</i>	10.83522	+0.18208847	-0.16005800
<i>P</i>	4.60	<i>H</i>	12.2	<i>G</i>	0.15
				<i>U</i>	1

Residuals in seconds of arc

530907	675	0.6-	0.6-	880126	809	1.0+	0.9+	930119	801	0.3-	0.3+	
530907	675	0.5+	0.1+	880127	809	0.9+	0.8+	930119	801	1.0-	0.0	
541124	675	0.3+	0.2-	880127	809	0.2+	0.9+	930121	801	0.6-	1.0-	
541124	675	1.3+	0.8+	880127	809	0.6+	0.8+	930121	801	0.5-	0.7-	
821221	095	2.1-	1.6-	880128	809	0.3+	0.3+	930218	801	0.0	1.8-	
880117	809	1.1-	1.5-	880128	809	0.3+	0.2+	930218	801	0.2+	1.6-	
880117	809	1.0-	1.4-	880128	809	0.4+	0.3+	930220	801	(0.5-	2.8-)	
880117	809	0.9-	1.3-	880129	809	0.0	0.9+	930418	801	0.3+	0.2-	
880118	809	1.4-	1.1-	880129	809	0.2-	1.2+	930424	801	0.2+	0.4-	
880118	809	1.2-	0.0	880130	809	0.4+	0.2+	930424	801	0.2+	0.0	
880120	809	0.5-	0.2-	880207	220	(8.1+	0.2-)Y	961111	689	0.4+	1.1-	
880120	809	0.5-	0.4+	880207	220	1.7+	1.6-	Y	961112	689	0.6-	0.6-
880122	809	0.4+	0.3-	880210	897	0.1-	1.6+	970211	689	0.7+	0.7-	
880122	809	0.1-	0.2+	880210	897	(3.0-	1.5+)	970212	689	0.5-	0.1-	
880124	809	0.1+	0.2+	880212	220	1.0-	0.0	Y	970226	689	1.7+	0.8-
880124	809	0.4+	0.0	880215	897	0.1-	1.1+	970309	689	0.6+	0.2-	
880124	809	0.7+	0.2+	880215	897	2.0-	0.1-	970310	689	0.8+	1.2+	
880126	809	0.7+	0.2+	900914	675	0.2-	1.1-					
880126	809	0.8+	0.1+	900914	675	0.1-	1.8-					

(7565)* 1988 RD₁₁ = 1978 UW₆

Discovered 1988 Sept. 14 by S. J. Bus at Cerro Tololo.

Id. E. Bowell (*MPC* 20815)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		Williams	
<i>M</i>	21.92806	<i>P</i>	<i>Q</i>	<i>P</i>	<i>Q</i>
<i>n</i>	0.18516939	ω	183.38653	-0.99768372	+0.06802148
<i>a</i>	3.0485261	Ω	0.51471	-0.06095514	-0.89055777
<i>e</i>	0.1399829	<i>i</i>	3.35378	-0.03019386	-0.44975542
<i>P</i>	5.32	<i>H</i>	13.4	<i>G</i>	0.15
				<i>U</i>	1

Residuals in seconds of arc

781027 675	0.3-	0.5+	881004 807	0.3-	0.5-	951201 596	0.1+	1.1+
781028 675	0.5-	0.4-	881005 807	0.3+	0.2+	970210 910	0.8-	0.1+
781029 675	0.9-	0.4+	881008 807	0.7+	0.2-	970210 910	0.7-	0.2-
781128 675	1.6+	0.0	881103 807	0.4-	0.0	970210 910	0.8-	0.0
781129 675	0.2+	0.0	881105 807	0.3-	0.2-	970411 704	0.6+	0.5-
880914 807	0.4+	0.2-	951201 596	0.7+	0.7-	970411 704	0.9+	0.1-
880915 807	0.0	0.5-	951201 596	0.8-	0.9-			

(7566)* 1988 SP = 1988 RX₆ = 1981 WC₄

Discovered 1988 Sept. 18 by H. Debehogne at the European Southern Observatory.

Id. F. N. Bowman (d. *MPC* 14477); B. G. Marsden (*ibid.*)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Marsden

<i>M</i>	89.11705		P	(2000.0)	Q			
<i>n</i>	0.26885005	ω	333.84052	+0.59613026	-0.80235079			
<i>a</i>	2.3775480	Ω	79.55244	+0.74177146	+0.53639091			
<i>e</i>	0.2133485	<i>i</i>	1.71073	+0.30725204	+0.26175943			
<i>P</i>	3.67	<i>H</i>	14.2	<i>G</i>	0.15	<i>U</i>	1	

Residuals in seconds of arc

811118 330	1.6-	1.6+	880918 809	1.0-	0.7+	921127 691	0.7-	0.2+
811127 330	1.1+	1.5+	880918 809	0.3-	0.0	921127 691	0.4-	0.4+
811201 330	(2.9+	8.5-)	880918 809	0.1+	0.1-	921128 675	0.2+	1.2-
880908 809	0.1+	0.4+	880919 809	0.4-	0.7+	921128 675	1.4-	0.9-
880908 809	0.1+	0.4+	880919 809	0.2-	0.0	921223 801	0.2+	0.2-
880908 809	0.5+	0.4+	880919 809	0.1+	0.3-	921223 801	0.3-	0.3-
880909 809	0.3-	0.3-	880920 809	0.8-	0.7+	921228 801	0.4+	0.2-
880909 809	0.1-	0.1-	880920 809	0.6-	0.2+	921228 801	0.2+	0.0
880909 809	0.5+	0.1-	880920 809	0.3-	0.4-	940412 691	(2.4-	0.1-)
880912 809	0.6+	0.0	881104 807	1.6+	1.6+	940412 691	1.4-	0.1+
880912 809	0.7+	0.2+	881106 807	0.6-	0.8+	940412 691	0.9-	0.2+
880912 809	0.8+	0.0	921118 894	0.7-	0.5+	970115 566	0.5+	0.1-
880913 675	0.8-	1.8-	921118 894	0.7-	0.7+	970115 566	0.4+	0.1-
880915 809	0.8+	0.8-	921121 894	(1.3+	2.5-)	970115 566	0.4+	0.2-
880915 809	0.7+	0.4-	921121 894	1.0+	1.6-	970331 704	0.7+	0.7-
880915 809	0.5+	0.2-	921125 675	0.4+	1.1-	970331 704	0.7+	0.2-
880916 675	0.4+	1.0-	921125 675	1.2+	0.5-	970401 704	0.2+	1.2-
880916 675	0.1+	1.0-	921127 691	0.5-	0.0	970401 704	(2.3+	0.3-)

(7567)* 1988 TC₁ = 1981 UM₂₈

Discovered 1988 Oct. 13 by S. Ueda and H. Kaneda at Kushiro.

Id. S. J. Bus (*MPC* 20634)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Nakano

<i>M</i>	140.98637		P	(2000.0)	Q			
<i>n</i>	0.28110241	ω	42.80854	+0.57059576	-0.82105677			
<i>a</i>	2.3079497	Ω	12.43125	+0.73062415	+0.49812666			
<i>e</i>	0.1434000	<i>i</i>	4.50791	+0.37497844	+0.27881107			
<i>P</i>	3.51	<i>H</i>	13.8	<i>G</i>	0.15	<i>U</i>	2	

Residuals in seconds of arc

811024 675	0.3-	0.5+	881031 399	0.7-	1.3+	950930 691	0.7-	0.1-
811025 675	0.8+	1.0-	900401 675	0.2+	0.2-	950930 399	0.8-	0.7+
811026 675	1.6-	0.1-	930121 801	0.1-	1.2-	950930 399	1.4-	1.6-
880908 033	0.3-	0.7+	930121 801	0.2-	0.4-	951020 010	(4.7+	1.9+)

880908 033	0.3+	0.0	930122 399	0.1+	1.0+	951020 010	(4.1+	1.9+)
880909 033	0.3+	0.7+	930122 399	0.5+	0.5+	951020 010	(3.8+	1.5+)
880910 033	0.3-	0.4-	930220 801	0.6+	0.3+	951021 399	0.3-	0.8+
880911 033	0.3-	0.1+	930220 801	1.4-	0.4-	951021 399	0.4-	1.9-
881007 675	0.8+	1.5-	950830 801	0.5+	0.1-	951023 010	1.7+	0.0
881007 675	0.4+	1.7-	950830 801	0.7+	0.2-	951023 010	1.8+	0.5+
881013 399	(2.7+	1.7+)	950918 691	0.8-	0.1+	951023 010	1.7+	0.0
881013 399	0.3+	0.2+	950918 691	0.8-	0.3-	951024 801	0.8+	0.0
881013 399	(2.9+	0.4+)	950918 691	1.6-	0.2-	951024 801	0.8+	0.1+
881016 399	0.0	0.9+	950924 691	0.8-	0.4-	951027 801	0.7+	0.4+
881016 399	0.4+	0.5+	950924 691	0.6-	0.3-	951027 801	0.8+	0.3+
881019 399	0.9-	0.2-	950924 691	0.6-	0.4-	951027 399	0.7-	0.3-
881019 399	0.1+	1.3+	950929 801	0.2+	0.5-	951027 399	0.2-	1.5+
881019 399	0.2-	0.8+	950929 801	0.5+	0.5-	951124 801	0.8+	0.6+
881031 399	1.3+	0.5+	950930 691	0.9-	0.2-	951125 801	0.6+	0.1+
881031 399	(2.5+	1.9+)	950930 691	0.8-	0.2-			

(7568)* 1988 VJ₂ = 1992 UV₅

Discovered 1988 Nov. 7 by T. Hioki and N. Kawasato at Okutama.

Id. S. Nakano (*MPC* 21260)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Nakano

<i>M</i>	46.79586		P	(2000.0)	Q			
<i>n</i>	0.24502181	ω	197.04248	+0.65239617	-0.75628248			
<i>a</i>	2.5292954	Ω	212.28522	+0.70562738	+0.62980334			
<i>e</i>	0.3312313	<i>i</i>	5.28006	+0.27653071	+0.17715686			
<i>P</i>	4.02	<i>H</i>	13.9	<i>G</i>	0.15	<i>U</i>	2	

Residuals in seconds of arc

881107 877	(0.4-	2.3-)	921102 376	0.2+	0.5-	961015 801	0.3-	0.1+
881107 877	1.2+	0.4-	921102 376	1.0-	0.4+	961015 801	0.8+	0.4-
881109 877	(1.7+	3.8-)	921102 376	0.3+	0.7-	961021 376	0.2+	0.4+
881109 877	(24.6+	20.4+)	921102 376	0.9+	1.1+	961021 376	0.2+	0.5+
881112 877	(4.8-	12.8-)	Y 921121 877	0.1-	0.4+	961021 376	0.3+	0.9-
881112 877	(5.7-	13.6-)	Y 921121 877	0.0	0.9-	961104 563	0.2-	0.5+
881130 877	2.0+	0.4+	921128 675	0.5+	0.6-	961104 563	0.3-	0.1+
881130 877	0.1+	1.9+	921128 675	0.4+	0.0	961104 563	0.7-	0.1+
881207 877	0.8-	0.2+	930127 801	0.2+	0.1-	961104 563	0.5+	0.8-
881207 877	0.4-	1.2+	930127 801	0.2-	0.2-	961104 563	0.0	0.3-
881209 871	(3.9-	0.7-)	940416 691	1.0-	0.7-	961116 711	0.3-	0.1+
881209 871	1.0-	1.3-	940416 691	0.1-	0.2-	961116 711	0.3-	0.1+
921021 675	0.2-	0.3+	940416 691	0.3+	1.0-	961204 711	0.6-	0.1+
921021 675	0.2+	1.0+	960919 711	0.2+	0.2+	961204 711	0.7-	0.1+
921026 408	0.9+	0.2-	960919 711	0.2+	0.2+	961206 711	0.4-	0.0
921026 408	0.2+	0.4+	960920 711	0.1-	0.2+	961206 711	0.4-	0.0
921028 400	0.6-	0.9+	960920 711	0.0	0.2+	970210 711	0.3+	0.1+
921028 400	1.2-	1.9-	961011 711	0.3+	0.4+	970210 711	0.3+	0.0
921028 399	0.9-	0.8+	961011 711	0.3+	0.1+	970211 711	0.1+	0.1+
921028 399	(2.7-	0.5+)	961012 801	0.5+	0.8-	970211 711	0.2+	0.1+
921101 364	0.0	1.2-	961012 801	0.4+	0.8-	970317 711	0.5+	0.3+
921101 364	1.0+	1.5-	961012 711	0.4+	0.4+	970317 711	0.7+	0.1+
921102 399	1.0-	1.0-	961012 711	0.4+	0.3+			
921102 399	2.0-	0.2-	961012 689	0.3+	0.2+			

(7569)* 1989 BK = 1951 WL = 1955 VY = 1993 BK

Discovered 1989 Jan. 28 by Y. Oshima at the Gekko Observatory.

Id. T. Urata (*MPC* 21789)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		P		Q	
<i>M</i>	62.55395	(2000.0)					
<i>n</i>	0.24182955	ω	315.42624	+0.65007508	-0.74458576		
<i>a</i>	2.5515053	Ω	93.41059	+0.73267929	+0.56129905		
<i>e</i>	0.3025679	<i>i</i>	8.73753	+0.20145332	+0.36129686		
<i>P</i>	4.08	<i>H</i>	13.3	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

511125	094	(27.9- 73.3+)	X	890207	888	1.2-	0.3-	961226	327	0.2+	0.6+	
511204	711	0.2+	0.2-	Y	890210	888	1.3+	0.8-	961226	327	1.3+	0.9+
511222	711	(1.8- 4.9-)	Y	890210	888	0.5+	0.4-	970107	127	0.2+	0.1-	
551023	675	0.6+	0.4+	890226	888	0.1-	0.7+	970107	127	0.3+	0.2-	
551023	675	0.8+	0.5+	890226	888	0.7-	1.0+	970109	732	0.2-	0.2+	
551114	388	(23.6- 7.3-)	Y	930120	385	0.3-	0.4+	970109	732	0.9-	0.4+	
551114	388	1.2-	1.8-	930120	385	0.1-	0.1-	970111	732	0.7-	0.0	
890128	888	1.7+	1.6+	930121	385	0.7-	0.0	970111	732	0.3-	0.5+	
890128	888	(1.0+ 3.0+)		930121	385	0.1-	0.6+	970111	127	0.1+	0.0	
890129	888	0.3-	0.4-	961218	327	1.1-	0.1+	970111	127	0.3+	0.3+	
890129	888	0.4-	0.4-	961218	327	0.7-	1.3+	970113	127	0.6+	0.2-	
890203	888	0.4+	1.2-	961218	327	0.7+	0.2+	970113	127	0.6+	0.2-	
890203	888	0.6-	1.1-	961220	327	0.5-	0.3-	970114	127	0.5+	0.5-	
890205	888	0.2-	0.3-	961220	327	1.0+	1.1-	970114	127	0.7+	0.6-	
890205	888	0.3-	0.3-	961220	327	1.1-	0.2+					
890207	888	0.0	0.3-	961226	327	0.6-	0.5+					

(7570)* 1989 CP = 1966 CA₁ = 1991 TS₇

Discovered 1989 Feb. 5 by M. Arai and H. Mori at Yorii.

Id. K. Ichikawa (*MPC* 20635)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Nakano		P		Q	
<i>M</i>	86.94462	(2000.0)					
<i>n</i>	0.25715750	ω	115.55185	-0.27805720	-0.96054087		
<i>a</i>	2.4490816	Ω	350.58496	+0.86585380	-0.24759663		
<i>e</i>	0.1379329	<i>i</i>	2.36144	+0.41591031	-0.12671680		
<i>P</i>	3.83	<i>H</i>	13.6	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc

660214	330	1.8+	2.0+	890207	875	0.1-	0.4+	951125	801	1.9+	1.0+
890204	399	1.0+	1.9-	890211	399	(2.8- 1.5+)		970119	327	0.2+	0.1-
890204	399	1.0-	1.5-	890211	399	(2.7- 0.4-)		970119	327	0.3+	0.4+
890204	399	0.0	0.3-	890211	399	(3.0- 0.2-)		970119	327	1.9-	0.5-
890204	399	0.4+	0.6+	890213	875	1.1-	1.4+	970123	327	0.2-	0.3-
890205	875	0.7-	0.4+	910917	675	0.1+	0.3+	970123	327	0.2-	0.4-
890205	875	0.2+	0.4-	910917	675	0.1-	0.7-	970123	327	0.3-	0.0
890207	399	0.9-	0.2-	911007	033	1.3-	0.6-	970331	704	0.5+	0.1+
890207	399	0.5-	0.2+	911007	033	1.4-	0.5-	970331	704	0.7+	0.3+
890207	875	0.0	0.1+	911008	033	0.7-	0.2-	970403	704	0.9+	0.2-
890207	399	0.6-	0.0	951125	801	1.9+	1.3+	970403	704	0.7+	0.2-

(7571)* 1989 EH₆ = 1981 UH₂₃

Discovered 1989 Mar. 7 by F. Börngen at Tautenburg.

Id. E. Bowell (*MPC* 20503)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		(2000.0)		Williams		P		Q	
<i>M</i>	63.79240								
<i>n</i>	0.18036360	ω	157.70153	+0.08845105	+0.99550692				
<i>a</i>	3.1024405	Ω	117.35894	-0.91953375	+0.09465149				
<i>e</i>	0.1513057	<i>i</i>	2.18097	-0.38292833	+0.00265949				
<i>P</i>	5.46	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	1		

Residuals in seconds of arc

811024	675	0.4-	0.2-	890310	033	0.1-	0.1-	950323	033	0.3-	0.7-
811025	675	0.8+	0.4+	910807	809	0.4+	0.1-	950324	033	0.7-	0.4-
890210	033	0.2-	0.4-	910807	809	0.6+	1.6-	950422	033	0.0	0.2-
890210	033	0.2-	0.4-	910807	809	0.0	1.6-	950422	033	0.7+	0.9-
890307	033	0.6-	0.1-	921128	675	0.2+	0.7-	950424	033	1.0+	0.5+
890310	033	0.1-	0.5-	950203	033	0.9-	0.9-				

(7572)* 1989 SF = 1962 CT = 1992 QJ

Discovered 1989 Sept. 23 by K. Endate and K. Watanabe at Kitami.

Id. H. Kaneda (*MPC* 20817)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Nakano		P		Q	
<i>M</i>	112.26939	(2000.0)					
<i>n</i>	0.31081760	ω	92.83009	+0.51865717	-0.85419205		
<i>a</i>	2.1584019	Ω	325.84705	+0.75612565	+0.47832828		
<i>e</i>	0.0884687	<i>i</i>	3.75347	+0.39908489	+0.20385777		
<i>P</i>	3.17	<i>H</i>	13.6	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc

620210	033	(4.2+ 2.8+)		920826	399	(3.9- 2.7-)		940216	046	0.2+	0.1+
620210	033	(6.4+ 1.8+)		920826	399	(1.8- 2.6-)		940216	046	0.1-	0.5+
890923	400	(2.8- 1.7-)		920828	399	(2.2- 5.2-)		940216	046	0.6-	0.1-
890923	400	1.2+	2.1-	920828	399	(0.2- 4.0-)		940216	046	0.8-	0.4+
890923	400	(3.6- 2.7-)		920831	095	(3.8- 1.2+)		940220	046	1.2+	1.0+
890928	400	1.0-	0.6+	920831	095	2.1-	0.4+	940220	046	0.2-	0.4+
890928	400	1.4-	0.3+	920902	809	1.0+	0.1+	940220	046	0.1+	0.3+
890928	400	0.5-	1.3+	920902	809	1.2+	0.3-	940220	046	0.2+	0.2+
890929	392	0.1+	1.9-	920902	809	0.7+	0.2-	940220	046	0.2+	0.2+
890929	392	(3.7- 2.3+)		920903	809	0.5+	0.2+	940311	046	0.9-	1.2-
891003	046	0.3-	1.3-	920920	399	1.2-	1.3-	940311	046	1.2-	0.9-
891003	046	(2.4- 0.1+)		920920	399	1.0-	1.3-	940311	046	1.1-	1.0-
891005	046	(3.2- 2.9-)		920922	809	0.9+	0.5+	940311	046	1.0-	1.1-
891005	046	(2.1- 2.4-)		920922	809	0.3+	0.8+	940419	046	0.4+	1.4-
891008	400	1.6+	0.8-	920922	809	0.3+	1.2+	940419	046	0.8+	1.3-
891008	400	0.3+	0.6-	920923	809	0.2+	0.6+	940419	046	1.1+	1.1-
891021	400	0.9+	0.4-	920923	809	0.6+	0.7+	950828	801	0.5+	0.5-
891021	400	2.1+	1.0+	920923	809	0.7+	0.7+	950828	801	0.3+	0.4-
891022	046	0.1-	0.4+	920928	399	1.9-	0.3-	950829	801	0.2+	0.6-
891022	046	1.5-	0.8-	920928	399	2.1-	1.1-	950829	801	0.2+	0.1-
891023	046	0.2+	0.8+	921001	801	0.0	0.3+	970201	691	0.6+	1.8-
891023	046	0.3-	0.5+	921001	801	0.3-	0.3+	970201	691	0.7-	0.2+
891024	046	2.0-	0.2-	940215	046	0.5+	0.6+	970201	691	0.7-	0.2+
891024	046	1.0+	0.7+	940215	046	0.6-	0.4+	970204	684	0.9+	0.5+
891028	046	0.2+	0.7-	940215	046	0.7+	0.8+	970204	684	0.9+	0.5+
891028	046	1.8+	0.2-	940215	046	0.4-	0.4+	970212	689	1.5-	0.1+
920826	399	(3.2- 2.4-)		940215	046	0.1+	0.1+	970309	689	0.6+	0.3-

(7573)* 1989 VX = 1978 UE₄ = 1983 RM₈ = 1991 EU₇

Discovered 1989 Nov. 4 by B. G. W. Manning at Stakenbridge.
 Id. B. G. Marsden (*MPC* 15721), G. V. Williams (*MPC* 26396)
 Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

<i>M</i>	150.18630	(2000.0)		P		Q	
<i>n</i>	0.18018587	ω	297.27056	+0.87164363	-0.48810693		
<i>a</i>	3.1044802	Ω	91.97562	+0.46399764	+0.79241050		
<i>e</i>	0.1660816	<i>i</i>	2.55766	+0.15793533	+0.36583771		
<i>P</i>	5.47	<i>H</i>	12.8	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

781028 675	0.1+	1.5-	910315 809	(1.6-	2.5+)	960226 494	0.5-	1.4-
781029 675	0.3+	0.9-	951221 566	1.4+	1.4+	960226 494	0.6-	0.8-
830911 095	0.4-	2.1+	951221 566	0.7+	1.3+	960226 494	0.6-	0.5-
891104 494	(5.7+	0.5-)	951221 566	0.5+	1.9+	970310 689	0.3-	0.6+
891104 494	(4.9+	1.2-)	951224 566	(2.3+	1.0+)	970319 494	1.2-	0.9+
891121 095	0.0	1.1+	951224 566	0.6-	0.6-	970319 494	0.8+	0.5+
891121 095	2.2-	1.9+	951224 566	1.5+	1.1+	970330 494	0.9+	0.1-
891122 494	0.6+	0.9-	951224 566	0.8-	0.5-	970330 494	0.1+	0.3-
891122 494	0.5+	1.1-	951224 566	1.9+	0.9+	970409 494	1.1-	0.6-
891123 494	0.6+	1.6-	951224 566	0.7-	0.6-	970409 494	1.4-	0.7-
891125 494	0.2+	0.2+	951225 566	0.5-	0.2-	970412 494	0.3-	0.5+
910315 809	1.1+	1.0-	951225 566	1.0-	0.2-	970412 494	1.8+	0.3-
910315 809	0.2-	0.8+	951225 566	0.6-	0.1-			

(7574)* 1989 WO₁ = 1963 VH = 1982 VZ₁ = 1995 US₁

Discovered 1989 Nov. 20 by W. Kakei, M. Kizawa and T. Urata at the
 Nihondaira Observatory.

Id. B. G. Marsden (*MPC* 26168)

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	83.04603	(2000.0)		P		Q	
<i>n</i>	0.15351698	ω	340.45886	+0.72531654	-0.66708697		
<i>a</i>	3.4543402	Ω	62.58644	+0.65435223	+0.59133607		
<i>e</i>	0.1614525	<i>i</i>	11.04272	+0.21386697	+0.45311879		
<i>P</i>	6.42	<i>H</i>	11.3	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

631111 760	0.3+	1.2+	891130 888	(4.0+	0.3+)	951026 046	0.3+	0.2+
631111 760	0.2-	0.3+	891130 888	(3.0+	0.2-)	951112 046	0.5+	0.3+
821114 381	0.3+	0.3+	891202 385	0.6+	1.0-	951112 046	0.4+	0.4+
821114 381	1.4-	0.3-	891202 385	1.0-	0.5-	951112 046	0.5+	0.4+
891120 385	(0.8+	5.7+)	891204 385	(0.1-	3.7-)	951121 046	0.7+	0.5-
891120 385	0.7-	1.6-	891204 385	(0.7-	3.5-)	951121 046	0.6+	0.6-
891125 385	(7.9+	3.2-)	891206 385	(7.2-	4.7-)	951121 046	0.6+	0.5-
891125 385	(3.8+	3.5+)	891228 385	1.5+	0.8-	951125 691	1.8-	0.5-
891127 385	0.2-	0.5+	891228 385	0.2+	0.6-	951125 691	1.4-	0.6-
891127 385	1.1-	0.9+	951022 046	0.5+	1.5-	951125 691	1.4-	0.7-
891127 385	(4.7-	2.1+)	951022 046	0.1+	0.2+	951215 385	0.4+	0.3-
891128 675	1.0-	0.3-	951024 046	0.4+	0.5+	951215 385	0.3+	0.5-
891128 675	0.0	0.4-	951024 046	0.5+	0.4+	951215 385	0.6+	0.8-
891129 385	1.6-	1.7+	951024 046	0.5+	0.4+	961230 689	0.5-	0.3+
891129 385	0.2-	1.3+	951024 046	0.4+	0.4+	970309 689	0.5+	1.0-
891129 888	0.9+	2.4+	951026 046	0.3+	0.3+	970310 689	1.0+	0.7-
891129 888	(2.1-	3.0+)	951026 046	0.3+	0.2+			

(7575)* 1989 YK = 1973 AV₁ = 1982 VD₁

Discovered 1989 Dec. 22 by Y. Kushida and O. Muramatsu at the
 Yatsugatake South Base Observatory.

Id. S. Nakano (*MPC* 15899)

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	109.67529	(2000.0)		P		Q	
<i>n</i>	0.28891483	ω	185.05748	+0.75997111	-0.64944146		
<i>a</i>	2.2661544	Ω	215.48535	+0.59787610	+0.71413730		
<i>e</i>	0.1604898	<i>i</i>	2.55511	+0.25492758	+0.26121583		
<i>P</i>	3.41	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

730101 095	(0.3+	4.0-)	900104 403	1.4-	0.8-	940314 675	0.7+	0.2-
821115 688	(2.3-	1.9-)	900106 896	1.7+	1.4+	940314 675	0.6+	1.4+
821115 688	1.0+	0.0	900124 896	1.1+	0.4+	940403 675	0.3-	0.0
821117 330	1.4+	0.0	900125 896	1.7+	0.3+	940403 675	0.4-	0.9+
891222 896	1.9+	0.6-	921001 675	0.2-	0.6+	970110 689	(2.0+	2.8-)
891227 896	0.1+	0.3-	921004 675	1.1+	0.1+	970210 563	0.8-	0.0
891228 896	0.9-	0.8-	921004 675	0.1+	0.8+	970210 563	0.2-	0.2+
891228 896	(1.8-	2.7+)	921121 801	0.7-	0.4+	970210 563	0.6-	0.3+
891231 403	(4.1-	1.6+)	921121 801	0.7-	0.3+	970226 689	1.7+	0.8-
891231 403	2.1-	0.7+	921129 801	0.7-	0.5+	970331 704	0.9-	0.5+
900104 403	1.5-	0.6+	921129 801	0.7-	0.5+	970331 704	0.8+	0.6-

(7576)* 1990 BN = 1981 FD₁ = 1992 OT₁₀ = 1996 LP

Discovered 1990 Jan. 21 by M. Arai and H. Mori at Yorii.

Id. G. V. Williams (*MPC* 27444, unpublished)

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	200.19515	(2000.0)		P		Q	
<i>n</i>	0.21188631	ω	345.26278	-0.74697300	-0.66020754		
<i>a</i>	2.7865539	Ω	152.91692	+0.62610429	-0.73822442		
<i>e</i>	0.0986264	<i>i</i>	9.92460	+0.22366216	-0.13838607		
<i>P</i>	4.65	<i>H</i>	12.6	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc

810329 095	(2.2+	8.2-)	900201 399	0.7-	1.8-	931207 675	1.2-	1.5+
881009 675	0.2-	0.8-	900201 399	(2.6-	1.2+)	960607 327	0.3+	0.0
881009 675	0.3-	0.6+	900202 399	(2.4+	3.1-)	960607 327	0.0	0.7+
881104 675	0.5+	0.3-	900202 399	1.4-	0.7-	960607 327	0.3+	0.4+
881104 675	0.4+	0.8-	900214 399	1.2-	0.7+	960607 327	0.1+	0.2+
900121 875	(3.9+	0.1+)	900214 399	1.5-	2.0-	960609 327	0.4+	0.7-
900121 875	(2.8+	0.9+)	900217 875	1.8-	0.1+	960609 327	0.0	0.1+
900123 399	1.3+	1.1+	900217 875	(0.8+	2.6-)	960609 327	0.2+	0.1+
900123 399	1.5+	1.9+	920726 809	0.2+	0.8-	960609 327	0.2+	0.1+
900124 875	(0.3+	2.8+)	920726 809	0.1-	0.3+	960625 327	0.4-	0.1+
900124 875	0.0	0.9+	920730 809	(4.6-	1.6-)	960625 327	0.1-	0.3+
900125 399	2.0+	0.3-	920730 809	(6.0-	1.8-)	960625 327	0.6-	0.2+
900125 399	1.1-	1.5-	920730 809	(5.7-	1.3-)	960712 801	0.1-	0.8-
900127 875	0.8+	1.0+	931116 675	0.9+	0.4-	960712 801	0.6+	0.1+
900127 875	1.0+	0.9+	931116 675	0.1+	0.6-	960718 801	0.5-	0.6-
900201 399	1.0+	1.9-	931207 675	0.0	0.6+	960718 801	0.6-	0.5-

(7577)* 1990 QV₄ = 1987 BT₂

Discovered 1990 Aug. 24 by H. E. Holt at Palomar.

Id. H. Kaneda (*MPC* 17214)

Epoch 1997 June 1.0 TT = JDT 2450600.5

M		(2000.0)		P		Q		Williams	
<i>n</i>	0.18479817	ω	285.00711	+0.60998945	-0.77694191				
<i>a</i>	3.0526073	Ω	126.33414	+0.78083800	+0.55587030				
<i>e</i>	0.1076118	<i>i</i>	11.15151	+0.13492549	+0.29558328				
<i>P</i>	5.33	<i>H</i>	12.3	<i>G</i>	0.15	<i>U</i>	1		

Residuals in seconds of arc

870128 809	1.0-	0.9-	900826 675	(0.8+	2.2-)	940614 691	0.0	0.4-
870128 809	1.6+	1.9-	900826 675	0.1-	0.8-	961009 691	0.9-	0.0
870129 809	0.6-	0.4-	900829 675	0.6+	1.2-	961009 691	0.9-	0.1+
870129 809	1.0+	2.1-	940607 691	0.6+	0.2-	961009 691	0.7-	0.2+
870130 809	1.3-	0.7+	940607 691	0.1+	0.3-	961210 801	0.5+	0.4-
870130 809	0.1+	0.5+	940607 691	0.0	0.3-	970109 689	0.5+	0.2+
900824 675	0.2+	0.6-	940614 691	0.4-	0.1+	970110 689	0.2-	0.3+
900824 675	0.4+	1.0-	940614 691	0.5-	0.1-	970128 689	1.4+	1.8+

(7578)* 1990 SP₇ = 1979 FM₃ = 1986 WQ₉

Discovered 1990 Sept. 22 by E. W. Elst at the European Southern

Observatory.

Id. S. Nakano (*MPC* 18123)

Epoch 1997 June 1.0 TT = JDT 2450600.5

M		(2000.0)		P		Q		Nakano	
<i>n</i>	0.21142299	ω	135.45474	-0.96028517	+0.27454396				
<i>a</i>	2.7906235	Ω	60.54059	-0.26929066	-0.86522719				
<i>e</i>	0.0821036	<i>i</i>	3.27747	-0.07304058	-0.41953251				
<i>P</i>	4.66	<i>H</i>	12.6	<i>G</i>	0.15	<i>U</i>	1		

Residuals in seconds of arc

790331 095	0.1-	0.6+	900925 809	0.6+	0.4-	930424 801	0.1+	0.6-
861130 381	(8.9+	6.1-)	900925 809	0.3+	0.6-	930424 801	0.4+	1.0-
861130 381	(3.3-	0.5-)	900925 809	0.4-	1.0-	930429 691	0.8-	0.5-
861201 381	(10.3-	7.4-)	930221 801	0.7-	0.3+	930429 691	0.8-	0.9-
861201 381	0.9+	0.1-	930221 801	0.5-	0.3+	930429 691	1.3-	0.8-
900914 809	0.6+	0.1+	930225 801	0.2+	0.7-	961208 691	0.1-	0.2-
900914 809	0.2+	0.5-	930225 801	0.8-	0.5+	961208 691	0.1-	0.3-
900914 809	0.3-	0.8-	930319 809	0.1-	0.1+	961208 691	0.2-	0.3-
900918 675	0.0	0.5-	930320 809	1.5+	0.5-	970211 689	(2.4+	0.6+)
900918 675	0.7+	0.0	930324 809	1.1-	0.6-	970212 689	0.4-	0.3-
900922 809	0.5+	0.3+	930419 801	1.5+	0.5-	970226 689	(2.8+	0.3+)
900922 809	0.2-	0.7-	930419 801	0.8-	0.8-			
900922 809	0.3-	0.6-	930421 413	1.5+	1.0+			

(7579)* 1990 TN₁ = 1986 AS₂

Discovered 1990 Oct. 14 by E. F. Helin at Palomar.

Id. G. V. Williams (*MPC* 17452)

Epoch 1997 June 1.0 TT = JDT 2450600.5

M		(2000.0)		P		Q		Williams	
<i>n</i>	0.35416369	ω	196.13876	-0.88882318	-0.41380150				
<i>a</i>	1.9784877	Ω	317.62705	+0.44608302	-0.68295344				
<i>e</i>	0.0656067	<i>i</i>	16.98532	+0.10489659	-0.60194927				
<i>P</i>	2.78	<i>H</i>	13.3	<i>G</i>	0.15	<i>U</i>	2		

Residuals in seconds of arc

860112 688	1.0+	0.2-	901119 675	0.6-	0.0	950603 413	0.4+	0.0
860112 688	0.9-	0.0	901119 675	1.8-	0.1+	950804 608	0.3+	1.5-

901014 675	0.6-	0.3+	930919 801	0.2-	0.3-	950804 608	0.3+	0.9-
901014 675	0.9-	0.9+	930919 801	0.2-	0.2+	970107 127	0.3-	0.0
901017 675	1.1+	0.7-	931019 675	0.8+	0.8-	970107 127	0.3-	0.1+
901017 675	0.1-	0.6+	931019 675	1.6+	0.9-	970111 127	0.4-	0.7-
901118 675	(2.5+	0.9-)	931020 675	0.8+	0.3-	970111 127	0.3-	0.8-
901118 675	0.4-	0.8-	950603 413	0.2+	0.2-	970212 689	0.2-	0.3+

(7580)* 1990 TM₇ = 1973 KA = 1986 XT₂ = 1993 HD₇

Discovered 1990 Oct. 13 by F. Börngen and L. D. Schmadel at Tautenburg.

Id. K. Kinoshita (*MPC* 23974), T. Kobayashi (*ibid.*)

Epoch 1997 June 1.0 TT = JDT 2450600.5

M		(2000.0)		P		Q		Williams	
<i>n</i>	0.24169317	ω	287.74557	+0.73458565	+0.67614066				
<i>a</i>	2.5524650	Ω	29.78860	-0.57122136	+0.66137800				
<i>e</i>	0.2138451	<i>i</i>	6.55635	-0.36618311	+0.32467359				
<i>P</i>	4.08	<i>H</i>	13.2	<i>G</i>	0.15	<i>U</i>	1		

Residuals in seconds of arc

530814 675	0.1+	0.4-	930501 809	1.7-	1.0+	941012 046	0.0	0.4+
530814 675	0.1+	0.1-	941001 801	0.1-	0.3+	941013 046	1.1-	0.1+
730531 808	1.0+	0.9+	941001 801	0.0	0.3+	941013 046	1.2-	0.1+
730531 808	0.2-	0.5+	941002 400	1.1+	0.4-	941013 046	1.2-	0.0
861203 010	(8.7-	1.8-)	941002 400	1.4+	0.6+	941013 046	1.3-	0.1+
861203 010	1.1-	0.1-	941003 400	1.0+	0.0	941028 033	0.2+	0.1-
861203 010	0.1+	0.5+	941003 400	0.4-	0.5+	941028 033	0.0	0.3-
890507 675	0.2+	0.8-	941004 801	0.4+	0.4+	941101 033	0.5-	0.5-
890507 675	0.7-	0.1+	941004 801	0.3+	0.7+	941101 033	0.5-	0.2-
901013 033	0.3+	0.5+	941005 033	0.5-	0.4-	970309 689	0.6+	0.5+
901013 033	0.3+	0.8+	941006 033	0.3-	0.1-	970310 689	0.7+	0.5+
901014 033	0.3+	0.1-	941007 033	0.3-	0.1+	970406 611	1.0+	0.1+
901018 033	0.2-	0.4-	941010 033	0.0	0.4-	970406 611	0.9+	0.4-
930429 809	0.5+	0.5+	941011 046	1.7+	0.9+	970408 134	0.5+	0.2+
930429 809	0.2+	0.0	941011 046	0.3-	0.4+	970408 134	0.5+	0.0
930501 809	1.1-	0.9+	941012 046	0.2-	0.1+	970408 134	0.9+	0.4-
930501 809	1.5-	0.7+	941012 046	0.0	0.1+			

(7581)* 1990 VY₁₃ = 1993 JP

Discovered 1990 Nov. 14 by L. G. Karachkina at the Crimean Astrophysical

Observatory.

Id. B. G. Marsden (*MPC* 22486)

Epoch 1997 June 1.0 TT = JDT 2450600.5

M		(2000.0)		P		Q		Marsden	
<i>n</i>	0.17851936	ω	31.65787	-0.04759315	-0.99732874				
<i>a</i>	3.1237708	Ω	61.12288	+0.90272498	-0.06669189				
<i>e</i>	0.1441278	<i>i</i>	3.62800	+0.42757748	+0.02979208				
<i>P</i>	5.52	<i>H</i>	11.8	<i>G</i>	0.15	<i>U</i>	1		

Residuals in seconds of arc

890731 675	1.0+	0.0	930514 809	1.4-	0.1+	951026 691	0.5-	0.3-
890731 675	0.2-	0.2-	930515 809	0.1+	0.7-	951222 801	1.4+	0.6+
890902 675	0.9+	0.8+	930515 809	0.6-	1.6-	951222 801	1.3+	0.2-
890902 675	0.6+	0.0	930515 809	0.3-	0.5-	970110 689	1.8+	0.7+
901114 095	(0.9-	3.4-)	930523 809	(2.5+	1.4+)	970129 886	0.2+	0.4-
901114 095	(1.9-	3.8-)	930523 809	1.7+	1.8+	970129 886	0.0	0.2+
901120 095	(4.0-	2.5-)	930523 809	(2.4+	2.6+)	970201 886	0.0	1.0-

901120 095 (0.3- 2.8-)	951020 691 0.5- 0.2-	970201 886 0.2+ 0.1-
901123 372 1.2- 0.0	951020 691 0.3- 0.4-	970212 689 1.3- 0.4-
901123 372 (0.8- 5.1+)	951020 691 0.2- 0.3-	970309 689 0.6+ 0.0
930514 809 0.8- 0.5+	951026 691 0.7- 0.0	970310 689 0.2- 0.1+
930514 809 0.1+ 0.2+	951026 691 0.6- 0.2-	

(7582)* 1990 WL = 1979 YK₆

Discovered 1990 Nov. 20 by R. H. McNaught at Siding Spring.

Id. G. V. Williams (*MPC* 17647)

Epoch 1997 June 1.0 TT = JDT 2450600.5			Williams			
<i>M</i>	50.11427	(2000.0)	P	Q		
<i>n</i>	0.17590985	ω 270.15233	+0.63775003	-0.76317170		
<i>a</i>	3.1545877	Ω 139.59427	+0.75504578	+0.59270298		
<i>e</i>	0.1403678	<i>i</i> 9.24473	+0.15225235	+0.25743372		
<i>P</i>	5.60	<i>H</i> 11.8	<i>G</i> 0.15	<i>U</i> 1		

Residuals in seconds of arc

791223 095 (1.2+ 6.6+)	901126 413 0.0 0.1+	920106 801 0.1+ 0.1+
830714 413 0.2- 1.3-	901206 413 0.8+ 0.6+	920106 801 0.2- 0.1+
901018 808 (1.2- 2.3-)	901217 413 0.4- 0.4+	961207 127 1.0- 0.7-
901018 808 (3.2- 2.9-)	910106 413 0.2- 0.1+	961207 127 0.4- 0.7-
901026 385 0.6- 0.1- Y	911109 801 0.2- 0.1+	961212 127 1.5+ 0.3-
901026 385 (3.2- 1.0+)Y	911109 801 0.0 0.0	961212 127 1.1+ 0.2-
901120 413 0.1+ 0.6+	920102 801 0.3+ 0.7+	970211 689 1.0- 1.3-
901123 413 (2.8+ 0.2+)	920102 801 0.1+ 0.1-	

(7583)* 1991 BA₃ = 1991 EB₂ = 1993 QE₁₀

Discovered 1991 Jan. 17 by F. Börngen at Tautenburg.

Id. S. Nakano (d, *MPC* 19821), G. V. Williams (unpublished)

Epoch 1997 June 1.0 TT = JDT 2450600.5			Nakano			
<i>M</i>	288.70672	(2000.0)	P	Q		
<i>n</i>	0.18967836	ω 145.52809	+0.27765093	+0.95313522		
<i>a</i>	3.0000203	Ω 140.20802	-0.91827517	+0.30006765		
<i>e</i>	0.0551838	<i>i</i> 10.82329	-0.28227767	-0.03863499		
<i>P</i>	5.20	<i>H</i> 12.4	<i>G</i> 0.15	<i>U</i> 2		

Residuals in seconds of arc

880816 675 0.3+ 0.9-	930725 033 1.7- 0.5+	970318 327 0.2+ 0.2+
880816 675 0.8+ 1.0-	930726 033 0.4+ 1.1-	970319 327 0.2+ 0.2+
880911 675 0.6- 0.4-	930813 675 1.4+ 0.7+	970319 327 0.5+ 0.8+
880911 675 0.1- 0.3-	930818 033(51.6+ 40.5+)	970319 327 0.2+ 0.6+
910115 033 1.0+ 0.4-	930819 033 0.2- 0.3+	970322 327 0.2+ 0.2-
910115 033 0.3- 0.6-	930819 033 (2.5- 2.3-)	970322 327 0.2+ 0.1-
910116 033 0.2- 0.3-	970220 327 0.9- 1.2-	970322 327 0.5- 0.4+
910117 033 0.6- 1.1+	970220 327 0.9- 1.3-	970328 327 0.2+ 0.0
910308 809 0.7- 0.9-	970220 327 1.0- 0.4-	970328 327 0.2+ 0.2-
910308 809 0.1+ 0.9-	970302 327 0.1+ 0.3-	970328 327 0.1- 0.1-
910308 809 1.2+ 0.9-	970302 327 0.6- 0.3-	970328 327 0.2- 0.6+
910310 809 0.5- 0.2+	970302 327 0.3+ 0.1-	970328 327 0.2- 0.2+
910310 809 0.2- 0.5+	970318 327 0.4+ 0.0	970328 327 0.4+ 0.3-
910310 809 0.2+ 0.7+	970318 327 0.4+ 0.0	

(7584)* 1991 GK₁₀ = 1979 XG₁ = 1994 YQ

Discovered 1991 Apr. 9 by F. Börngen at Tautenburg.

Id. T. Kobayashi (*MPC* 24741)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Epoch 1997 June 1.0 TT = JDT 2450600.5			Williams			
<i>M</i>	191.58513	(2000.0)	P	Q		
<i>n</i>	0.20106528	ω 340.37540	+0.01484681	-0.99843533		
<i>a</i>	2.8856567	Ω 108.74436	+0.92481895	-0.00678512		
<i>e</i>	0.0758235	<i>i</i> 3.26368	+0.38011772	+0.05550541		
<i>P</i>	4.90	<i>H</i> 13.3	<i>G</i> 0.15	<i>U</i> 1		

Residuals in seconds of arc

791214 095 0.2- 0.1-	941228 411 0.3+ 0.5-	950323 033 0.1+ 0.1-
910409 033 0.6- 0.9+	941228 411 0.3+ 0.1-	960327 691 1.1- 0.3+
910409 033 0.3- 0.9+	941229 411 0.7+ 0.1+	960327 691 1.1- 0.1-
910411 033 0.6- 0.6+	941229 411 0.3- 0.9-	960327 691 1.1- 0.2-
910411 033 0.1+ 0.4+	950105 411 0.2- 0.2-	960415 113 0.1+ 0.7-
910412 033 0.1- 0.4-	950105 411 0.3- 0.1+	960415 113 0.0 0.2-
910413 033 0.2+ 1.1-	950107 411 0.5- 0.4+	960416 113 0.1+ 0.3+
910419 675 1.5+ 0.4-	950107 411 0.5- 0.5+	960416 113 1.0+ 0.5-
910419 675 0.7+ 0.3-	950120 411 0.1+ 0.1+	960417 113 0.2+ 0.0
930921 675 0.1+ 0.3+	950120 411 0.4+ 0.0	960417 113 0.8+ 0.3-
930921 675 0.4+ 1.0-	950323 033 0.2+ 0.4+	

(7585)* 1991 PK₈ = 1983 AJ₂ = 1994 AV

Discovered 1991 Aug. 5 by H. E. Holt at Palomar.

Id. K. Ichikawa (*MPC* 23238)

Epoch 1997 June 1.0 TT = JDT 2450600.5			Williams			
<i>M</i>	11.91485	(2000.0)	P	Q		
<i>n</i>	0.17396406	ω 183.86865	+0.68965401	+0.70312270		
<i>a</i>	3.1780669	Ω 129.83981	-0.65818434	+0.70837505		
<i>e</i>	0.1208302	<i>i</i> 13.03576	-0.30194488	+0.06183255		
<i>P</i>	5.67	<i>H</i> 12.0	<i>G</i> 0.15	<i>U</i> 1		

Residuals in seconds of arc

830109 801 0.4+ 0.4+	921022 675 0.3- 1.2+	940115 411 0.2+ 0.2-
910712 675 1.1+ 0.2-	921022 675 0.9+ 0.2-	940115 411 0.4- 0.7+
910712 675 0.5+ 0.2+	940104 411 0.3+ 0.6-	960515 801 0.3- 0.2+
910803 809 0.7- 1.1+	940104 411 1.7+ 0.4-	960515 801 0.3- 0.2+
910803 809 0.5- 1.1+	940107 411 1.0- 0.5-	960523 801 1.1+ 0.6+
910803 809 1.2- 1.0+	940107 411 1.7- 0.2+	960523 801 0.1+ 0.3+
910804 809 1.0- 1.8+	940107 411 1.0- 0.8+	960615 801 0.5+ 0.7-
910805 675 0.3+ 1.2-	940109 411 0.7- 0.2-	960615 801 0.3+ 0.6-
910805 675 0.3+ 2.0-	940109 411 0.5+ 1.2-	960708 610 (3.0+ 0.1-)
910807 675 0.9+ 1.3-	940109 411 1.1+ 0.3+	960708 610 0.7+ 0.1+
910807 675 0.3- 1.4-	940115 411 0.0 0.2-	960708 610 1.4- 0.2+

(7586)* 1991 RH₇ = 1986 RS₉

Discovered 1991 Sept. 13 by F. Börngen and L. D. Schmadel at Tautenburg.

Id. B. G. Marsden (*MPC* 19508)

Epoch 1997 June 1.0 TT = JDT 2450600.5			Marsden			
<i>M</i>	166.17615	(2000.0)	P	Q		
<i>n</i>	0.21251212	ω 30.98415	+0.18552628	+0.97616955		
<i>a</i>	2.7810806	Ω 249.91099	-0.92432042	+0.13448637		
<i>e</i>	0.1902567	<i>i</i> 6.88443	-0.33348428	+0.17031271		
<i>P</i>	4.64	<i>H</i> 13.6	<i>G</i> 0.15	<i>U</i> 1		

Residuals in seconds of arc

860908 095 0.4+ 0.4-	911010 033 0.7+ 1.2+	961212 385 0.6+ 0.3-
860911 095 0.6- 0.8-	940317 033 0.2+ 0.1+	961212 385 0.1- 0.4+

910911 033	0.3+	0.4-	940406 033	0.7+	0.2+	961214 385	0.3+	0.4+
910913 033	(0.3+	2.8-)	940406 033	0.5+	0.2-	961214 385	0.5-	0.3-
910913 033	0.4+	1.7-	940408 033	0.9-	0.3+	961214 385	0.9+	0.5-
910914 033	0.5+	1.1-	950606 691	1.0-	0.4+	961215 691	0.2-	0.2+
910915 033	1.1+	1.2-	950606 691	0.7+	0.0	961215 691	0.3-	0.1+
911005 033	1.0-	0.5+	950606 691	1.8-	1.0-	961215 691	0.0	0.2-
911006 033	0.8-	1.1+	950725 033	0.1+	0.6+	970207 691	0.9-	0.3-
911006 033	0.4-	0.8+	950725 033	0.5+	0.1+	970207 691	0.7-	0.4-
911009 033	1.4+	1.2+	950726 033	0.5+	0.9+	970207 691	0.8-	0.1-
911009 033	0.6-	0.6+	961212 385	0.3-	0.7+			

(7587)* 1992 CF₃ = 1979 HP₄ = 2308 T-2

Discovered 1992 Feb. 2 by E. W. Elst at the European Southern Observatory.
Id. K. Kinoshita (*MPC* 23339)

Epoch 1997 June 1.0 TT = JDT 2450600.5			Williams		
<i>M</i>	105.11824	(2000.0)	P	Q	
<i>n</i>	0.29102169	ω 62.79111	-0.44404071	+0.89600547	
<i>a</i>	2.2552039	Ω 180.85083	-0.85236164	-0.42290252	
<i>e</i>	0.1588463	<i>i</i> 5.52372	-0.27623809	-0.13537967	
<i>P</i>	3.39	<i>H</i> 14.6	<i>G</i> 0.15	<i>U</i> 2	

Residuals in seconds of arc

730929 675	1.8+	1.7-	920130 691	1.2+	0.4+	920212 809	1.3-	0.8-
730929 675	1.3+	1.1-	920130 691	1.3+	0.9+	920212 809	0.4-	0.5-
730930 675	(5.6+	4.6-)	920202 809	0.9-	0.2-	920212 809	1.3-	0.0
730930 675	(5.0+	4.5-)	920202 809	1.8-	0.1+	920212 809	1.9-	0.3+
731004 675	0.3-	0.7-	920202 809	1.2-	0.0	930818 010	0.4+	0.4-
731004 675	0.3-	0.6-	920202 809	1.8+	1.1-	930818 010	0.6+	0.3-
731005 675	0.1+	1.4-	920202 809	0.4+	0.4-	930818 010	0.2-	0.3-
731005 675	0.7-	1.2-	920202 809	0.4-	1.1-	960515 801	0.4+	0.8-
790424 095	0.5+	1.0+	920206 809	0.8+	1.2-	960515 801	0.5+	0.9-
890509 675	0.1-	0.1-	920206 809	0.4+	0.3-	960518 801	0.4+	1.2-
890509 675	0.4-	0.4+	920206 809	0.0	0.5-	960518 801	0.6+	0.7-
920130 809	1.2-	1.8-	920207 809	(3.5+	0.8+)	960611 691	0.9-	0.8-
920130 809	0.1+	0.7-	920207 809	1.8+	0.7+	960611 691	0.7-	0.9-
920130 809	(2.2-	0.7-)	920207 809	(2.8+	0.8-)	960611 691	0.9-	0.8-
920130 809	(2.2+	2.4+)	920212 809	0.8+	1.0-	960617 691	1.1-	1.3-
920130 691	1.0+	0.5+	920212 809	0.4-	1.6-			

(7588)* 1992 FJ₁ = 1963 DP = 1980 DQ = 1982 PJ₁

Discovered 1992 Mar. 24 by R. H. McNaught at Siding Spring.
Id. G. V. Williams (*MPC* 20156)

Epoch 1997 June 1.0 TT = JDT 2450600.5			Williams		
<i>M</i>	302.61546	(2000.0)	P	Q	
<i>n</i>	0.17198822	ω 258.58753	-0.73353565	+0.64189535	
<i>a</i>	3.2023607	Ω 320.74605	-0.39905020	-0.67280772	
<i>e</i>	0.1598538	<i>i</i> 20.67188	-0.55016760	-0.36783167	
<i>P</i>	5.73	<i>H</i> 11.2	<i>G</i> 0.15	<i>U</i> 1	

Residuals in seconds of arc

540904 675	0.4+	0.7-	920324 413	0.7+	0.3-	941130 675	1.0+	1.5-
540904 675	1.8+	0.6-	920324 413	0.6+	0.8-	941130 675	0.5+	0.5-
630227 760	(4.6-	1.7-)	920328 413	0.3-	0.1+	941201 675	0.6+	0.2+
630227 760	(0.7-	3.4+)	920401 413	0.3-	0.2+	941201 675	0.4+	1.7-
750510 413	0.1+	0.8+	920412 413	0.3-	1.2-	941202 675	(0.0	2.2-)

750510 413	0.1-	0.7+	920430 413	0.6-	0.2-	960111 689	0.1+	1.5+
760527 413	0.4+	0.4-	920524 413	0.5-	0.6-	960112 689	0.0	1.0+
800219 046	0.7+	0.3-	920524 413	0.4-	0.5-	970110 689	0.7+	0.8+
800219 046	2.0-	1.6-	920619 413	0.6-	0.4-	970204 886	0.5+	0.7+
800220 046	0.0	0.4-	920619 413	0.6-	0.5-	970204 886	0.0	0.9+
800220 046	1.0-	1.1-	941128 675	0.2+	0.6-	970206 886	0.2-	0.5+
800221 046	0.1-	0.0	941128 675	(0.9-	2.5-)	970206 886	0.2+	0.6+
800222 046	0.3-	0.6-	941129 675	1.0+	0.3-			
820815 095	2.3-	1.4+	941129 675	0.8+	1.1-			

(7589)* 1992 SR₁ = 1985 SE₂ = 1989 YN₃

Discovered 1992 Sept. 26 by A. Sugie at the Dync Astronomical Observatory.
Id. S. Nakano (*MPC* 21270)

Epoch 1997 June 1.0 TT = JDT 2450600.5			Nakano		
<i>M</i>	83.00802	(2000.0)	P	Q	
<i>n</i>	0.28526310	ω 147.38222	+0.21406300	-0.97189330	
<i>a</i>	2.2854531	Ω 290.09512	+0.87235751	+0.23533882	
<i>e</i>	0.1422664	<i>i</i> 5.98876	+0.43951042	+0.00624969	
<i>P</i>	3.46	<i>H</i> 14.0	<i>G</i> 0.15	<i>U</i> 1	

Residuals in seconds of arc

850919 095	1.9+	1.3-	920926 402	0.9+	0.5-	950702 691	0.6-	0.7+
850921 095	0.5-	1.1+	920927 402	(1.1+	2.9+)	970204 886	0.2+	1.0-
891230 413	1.0-	0.2-	920927 402	0.4-	0.6+	970204 886	0.4+	0.1-
891230 413	0.2+	1.4+	921021 402	(2.0+	3.1+)	970206 886	1.4-	1.2+
891231 413	0.4+	0.4+	921021 402	1.4-	0.1+	970206 886	0.4+	0.2-
891231 413	0.1-	1.8+	921022 399	0.2+	0.2-	970226 689	0.4-	0.8+
900123 399	(0.8+	2.5-)	921022 399	0.0	0.4+	970309 689	1.1+	0.4-
900123 399	0.2-	1.5-	950702 691	0.5-	0.6+	970310 689	1.3+	0.2-
920926 402	0.2+	0.2-	950702 691	0.7-	0.7+			

(7590)* 1992 UP₄

Discovered 1992 Oct. 26 by K. Endate and K. Watanabe at Kitami.
Epoch 1997 June 1.0 TT = JDT 2450600.5

Epoch 1997 June 1.0 TT = JDT 2450600.5			Williams		
<i>M</i>	68.88900	(2000.0)	P	Q	
<i>n</i>	0.29704056	ω 352.18913	-0.49284228	-0.86561267	
<i>a</i>	2.2246356	Ω 127.29432	+0.80420756	-0.49195500	
<i>e</i>	0.0964639	<i>i</i> 6.38262	+0.33219978	-0.09324686	
<i>P</i>	3.32	<i>H</i> 13.5	<i>G</i> 0.15	<i>U</i> 1	

Residuals in seconds of arc

921026 400	0.0	1.2-	940516 675	0.8-	0.1-	951027 801	0.2-	0.1+
921026 400	0.2-	0.2-	940607 675	1.2+	0.5+	970206 691	0.1+	0.1+
921028 400	0.1+	1.2+	940607 675	0.0	1.0-	970206 691	0.0	0.6+
921028 400	0.7+	0.1-	950826 801	0.4-	0.0	970206 691	0.1+	0.3+
921116 400	(2.8-	0.6-)	950826 801	0.5-	0.2+	970330 886	0.1+	0.5-
921116 400	0.5-	0.3-	950830 801	0.2+	0.2-	970330 886	0.3+	0.0
940515 675	0.0	0.2+	950830 801	0.1+	0.4-	970331 886	0.9-	0.5-
940515 675	(2.4-	0.3-)	951026 801	0.2+	0.8+	970331 886	0.0	1.1-
940516 675	0.3-	0.2+	951026 801	1.3+	1.1-			

(7591)* 1992 WG₃ = 1982 BN₉

Discovered 1992 Nov. 18 by S. Ueda and H. Kaneda at Kushiro.
Id. S. Nakano (*MPC* 21595)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

<i>M</i>	57.41648	(2000.0)	P	Q
<i>n</i>	0.26290815	ω 237.94863	+0.08420655	-0.99637673
<i>a</i>	2.4132372	Ω 207.22857	+0.92279973	+0.08250006
<i>e</i>	0.1768643	<i>i</i> 1.49597	+0.37596531	+0.02066789
<i>P</i>	3.75	<i>H</i> 14.4	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

820119 095	0.1+	1.9-	921127 691	0.5-	0.4+	940502 691	0.1-	0.5-
820120 095	0.6-	0.2-	921127 691	0.9-	0.2-	940502 691	0.6-	0.7-
900401 675	0.3+	0.5-	921128 675	1.2+	0.6-	970112 399	0.9-	1.6+
900401 675	(0.1+	2.3-)	921128 675	0.7+	0.9-	970112 399	(0.3-	2.6+)
921118 399	0.5+	0.9+	921129 399	(2.2+	2.5+)	970116 399	1.5+	0.1-
921118 399	0.7-	1.1-	921129 399	(2.5+	2.8+)	970116 399	(2.4+	1.4+)
921121 399	1.1+	1.1+	921215 399	0.0	0.5-	970202 399	(1.3-	3.3+)
921121 399	1.7-	0.3+	921215 399	1.7+	1.4+	970202 399	1.1-	1.7+
921125 675	(4.6+	0.5-)	921217 399	0.5-	0.8-	970208 358	1.2+	0.2+
921125 675	0.6+	1.2-	921217 399	0.5-	1.1-	970208 358	0.1-	0.1-
921127 691	0.5-	0.3+	940502 691	0.1-	0.3-			

(7592)* 1992 WR₃

Discovered 1992 Nov. 23 by S. Otomo at Kiyosato.

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

<i>M</i>	326.27232	(2000.0)	P	Q
<i>n</i>	0.22460947	ω 28.11072	-0.49710855	-0.83314920
<i>a</i>	2.6803037	Ω 92.63128	+0.74367386	-0.55301007
<i>e</i>	0.1116863	<i>i</i> 14.04185	+0.44702604	-0.00650177
<i>P</i>	4.39	<i>H</i> 12.3	<i>G</i> 0.15	<i>U</i> 1

Residuals in seconds of arc

890307 675	0.8-	0.9-	921204 894	0.2+	0.5+	940312 801	0.1+	0.8-
890307 675	0.0	0.9-	921214 894	0.5-	0.5+	940312 801	0.1+	0.1-
921118 691	0.9-	0.2+	921214 894	0.5-	0.7+	940316 801	0.5+	1.1+
921118 691	0.4+	0.3+	921219 400	1.2+	1.5+	940316 801	0.8+	0.9+
921118 691	0.7-	0.1-	921219 400	1.2+	0.9+	940408 801	0.1+	0.2+
921118 400	(2.5-	0.6-)	921222 894	0.7+	0.5+	940408 801	0.7+	0.4-
921118 400	0.6+	1.3-	921222 894	1.0-	0.9+	940411 801	0.3+	0.0
921123 894	(0.7+	2.2-)	921226 894	0.4+	0.5-	940411 801	0.1-	0.2+
921123 894	(0.1-	2.8-)	921226 894	(1.0+	2.4-)	940510 801	0.3-	0.0
921124 894	0.2-	0.4+	921229 894	0.3+	0.6-	940510 801	0.2-	0.0
921124 894	1.2+	0.1-	930117 894	0.5-	0.6-	940513 801	0.2-	1.4+
921127 400	0.1+	0.8+	930117 894	1.5-	0.6+	961005 367	0.2-	0.2+
921127 400	0.1+	0.1-	930224 801	0.2-	0.8-	961005 367	0.3+	0.0
921129 894	0.0	0.4-	930225 801	1.0+	0.2-	961014 367	0.5-	0.4+
921129 894	0.1+	0.5-	930226 801	0.1+	0.2+	961014 367	0.3-	0.2+
921204 894	0.9-	0.4-	930226 801	0.1+	0.6-	961230 689	0.9-	0.7-

(7593)* 1992 WP₄ = 1932 CH = 1969 EJ = 1973 EL = 1975 RX

Discovered 1992 Nov. 21 by E. F. Helin at Palomar.

Id. G. V. Williams (*MPC* 21799)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	59.51498	(2000.0)	P	Q
<i>n</i>	0.24074803	ω 78.75132	+0.71205732	-0.68700484
<i>a</i>	2.5591411	Ω 324.36124	+0.50703517	+0.64590619
<i>e</i>	0.1695718	<i>i</i> 14.40046	+0.48568478	+0.33291071
<i>P</i>	4.09	<i>H</i> 12.4	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

320212 029	(10.9+	19.6+)	X	921201 675	0.4+	0.8-	961207 127	0.2-	0.3-
320213 754	(20.7+	68.2+)		921201 675	1.0+	1.4-	961207 127	0.3-	0.2-
320213 754	(27.6+	68.5+)		930121 675	(2.3+	0.6-)	961212 127	0.2-	1.1+
690312 095	(3.6+	0.9+)		930121 675	(3.0+	0.6-)	961212 127	0.0	1.2+
730307 029	0.7-	1.3+		930122 675	1.8+	0.2-	961217 732	0.8-	0.5-
730307 029	0.7-	0.8+		930122 675	1.7+	0.2-	961217 732	0.8-	0.6-
730309 029	0.4+	1.0+		930319 801	0.4-	0.2+	961217 732	0.9-	0.7-
750903 095	1.4-	0.3+		930320 801	0.5-	0.0	961226 732	1.0-	0.3+
750906 095	0.9+	1.1+		930326 801	0.5-	0.3+	961226 732	1.7-	0.6-
921121 675	0.7+	0.3-		930327 801	0.4-	0.5+	970128 689	0.9-	0.2-
921121 675	2.0+	0.0		940514 801	0.2-	0.1-			
921122 675	1.2+	0.3+		940514 801	0.8+	1.1-			

(7594)* 1993 BH₂ = 1978 EW₁ = 1990 MW = 1991 UC₅

Discovered 1993 Jan. 19 by T. Seki at Geisei.

Id. K. Ichikawa (*MPC* 21947)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	326.57786	(2000.0)	P	Q
<i>n</i>	0.26208292	ω 125.85856	-0.50170047	+0.86292761
<i>a</i>	2.4183004	Ω 113.92144	-0.81345057	-0.44685944
<i>e</i>	0.1813203	<i>i</i> 3.79093	-0.29426998	-0.23595039
<i>P</i>	3.76	<i>H</i> 13.0	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

780305 095	1.2+	0.6-	930122 372	(3.2+	0.9-)	951118 372	0.2+	1.0+
900627 675	0.4-	1.7-	930122 372	0.9-	0.4-	970110 689	0.3+	0.9+
900627 675	0.5-	0.2-	930125 372	(6.1+	1.3-)	970301 367	0.9+	0.9+
900629 675	(1.5-	5.1-)	930126 372	0.1-	1.1-	970301 367	0.9+	0.6+
900629 675	(1.8-	2.4-)	930210 399	0.2-	1.0-	970309 127	1.0+	0.1+
911031 399	(2.7+	3.6-)	930210 399	1.8-	0.4+	970309 127	1.2+	0.0
911031 399	1.0+	0.4+	951019 372	(4.9+	0.5+)	970310 127	0.2+	0.5+
930119 372	1.5-	0.9-	951019 372	(5.1+	1.6-)	970310 127	0.1-	0.1+
930119 372	1.7-	1.3-	951118 372	(3.6+	1.3-)			

(7595)* 1993 FN₂₆ = 1969 AQ = 1983 AN₄ = 1991 XF₄ = 1994 NG₈

Discovered 1993 Mar. 21 at the European Southern Observatory in the course

of the Uppsala-ESO Survey of Asteroids and Comets.

Id. G. V. Williams (*MPC* 26173)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	352.02567	(2000.0)	P	Q
<i>n</i>	0.21059041	ω 235.73314	-0.86476652	-0.49938954
<i>a</i>	2.7979739	Ω 274.25512	+0.47639130	-0.78255443
<i>e</i>	0.1462678	<i>i</i> 3.03561	+0.15884018	-0.37177769
<i>P</i>	4.68	<i>H</i> 12.7	<i>G</i> 0.15	<i>U</i> 1

Residuals in seconds of arc

690115 095	(0.4+	5.9-)	930418 413	1.4-	0.4+	961218 327	0.4-	0.3-
830106 095	0.7+	1.0+	940711 809	1.3+	0.1+	961218 327	0.5-	0.1-

911201 675 0.8- 0.4+ 940711 809 0.6+ 0.7- 961218 327 0.2- 0.0
911201 675 0.6- 0.5- 940711 809 0.1+ 0.3- 970211 689 0.6+ 0.7+
930321 809 0.5- 0.2- 940712 809 0.2+ 0.6+ 970212 689 1.9+ 0.2+
930322 809 0.8+ 0.2- 940712 809 0.8- 1.7+
930326 809 0.4+ 0.5+ 940712 809 1.1- 0.6+

(7596)* 1993 GH = 1969 UO = 1982 DX = 1990 VZ₂ = 1995 VL₁

Discovered 1993 Apr. 10 by K. Endate and K. Watanabe at Kitami.

Id. B. G. Marsden (*MPC* 26174), G. V. Williams (*MPC* 26402)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Marsden

<i>M</i>	201.46007	(2000.0)	P	Q
<i>n</i>	0.18841621	ω 258.34076	+0.43939789	+0.89038246
<i>a</i>	3.0134030	Ω 38.44432	-0.73151197	+0.43151977
<i>e</i>	0.0752491	<i>i</i> 11.02925	-0.52136333	+0.14494748
<i>P</i>	5.23	<i>H</i> 11.5	<i>G</i> 0.15	<i>U</i> 1

Residuals in seconds of arc

481103 690 1.0+ 1.6- 930417 894 0.1+ 1.7- 940712 675 0.5+ 0.7-
481105 690 0.5+ 1.8- 930417 894 0.1- 0.9- 940712 675 0.2+ 1.0-
691016 095 0.1- 1.1- 930419 675 0.2+ 0.7- 951112 046 0.4+ 0.0
820220 688 0.4- 1.2- 930419 675 0.6+ 0.1- 951112 046 0.5+ 0.0
820220 688 1.3+ 1.4- 930420 400 0.7+ 0.3+ 951112 046 0.6+ 0.1+
901111 374 0.1- 1.2- 930420 400 0.2- 0.5- 951112 046 0.4+ 0.2+
901111 374 (2.3+ 0.6+) 930425 809 1.2- 0.2+ 951112 046 0.1+ 0.1+
901117 374 0.9+ 0.4+ 930425 809 0.9- 0.5+ 951112 046 0.0 0.1+
901117 374 (1.7- 2.3+) 930425 809 0.9- 0.8+ 951112 046 0.2+ 0.1+
930410 400 1.6+ 1.1+ 930425 361 1.0- 0.0 951112 046 0.2+ 0.1+
930410 400 (1.5+ 2.8+) 930425 361 0.8- 1.3+ 951112 046 0.2+ 0.0
930414 896 (1.9+ 2.4+) Y 930425 361 1.0+ 0.9- 951118 046 0.0 0.1-
930414 896 (4.8+ 0.0) Y 930425 361 0.2+ 0.4- 951118 046 0.4- 0.3+
930414 894 0.1- 0.7- 930426 809 1.6- 1.4- 951118 046 0.7- 0.1+
930414 894 1.2+ 0.3- 930426 809 1.2- 1.3- 951118 046 0.2- 0.0
930415 675 0.2- 0.2- 930426 809 0.6- 1.0- 951118 046 0.3- 0.1-
930415 675 0.1- 0.3- 930426 894 (3.1- 0.1+) 951118 046 0.5- 0.2-
930416 675 0.1+ 0.4- 930426 894 (0.8- 2.5-) 970112 367 0.5- 0.2+
930416 675 0.2- 0.1- 930427 894 0.9- 0.4- 970112 367 0.2- 0.0
930416 400 1.4+ 1.4+ 930427 894 0.7- 0.1- 970128 689 0.6- 0.6+
930416 400 1.0+ 0.1+ 930515 361 0.1+ 1.5+ 970309 689 (2.2- 0.0)
930416 894 0.8- 0.6- 930515 361 0.5+ 1.6+ 970310 689 0.3- 0.4+
930416 894 (0.8- 2.1-) 930515 361 0.1- 0.8+

(7597)* 1993 GM = 1972 BB = 1982 AD = 1990 RG₁₆ = 1991 YL₂

Discovered 1993 Apr. 14 by S. Otomo at Kiyosato.

Id. K. Ichikawa (*MPC* 22409)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Nakano

<i>M</i>	32.52557	(2000.0)	P	Q
<i>n</i>	0.19616223	ω 335.43633	-0.19562684	-0.97963247
<i>a</i>	2.9335430	Ω 125.81429	+0.90873617	-0.19844107
<i>e</i>	0.0692182	<i>i</i> 3.20100	+0.36868511	-0.03068153
<i>P</i>	5.02	<i>H</i> 12.8	<i>G</i> 0.15	<i>U</i> 1

Residuals in seconds of arc

540703 675 0.2- 0.6- 900922 809 (0.7+ 2.9-) 930425 361 (2.6+ 0.5-)
540703 675 0.4+ 0.1- 900922 809 (1.5+ 3.0-) 930427 894 0.4- 2.0+
720117 095 (1.8- 4.3-) 911231 565 1.5+ 0.2- 930427 894 1.6- 0.8+

820115 046 0.4+ 0.7+ 911231 565 0.4- 1.0+ 940708 809 (2.2+ 4.3+)
820115 046 1.5- 0.6+ 930414 894 1.6+ 0.5- 940708 809 (0.1- 4.4+)
820116 046 0.8+ 2.1- 930414 894 0.3- 0.3- 940708 809 (1.6+ 4.4+)
820116 046 0.4- 0.1+ 930415 675 0.2- 1.1- 940709 809 (0.0 3.8+)
820118 046 0.3- 0.6+ 930415 675 0.0 0.4- 940709 809 (0.5+ 2.9+)
820118 046 0.6+ 0.8+ 930416 675 0.2+ 2.0- 940709 809 (1.3+ 3.3+)
900915 809 0.6+ 1.6- 930416 675 0.3- 0.7- 961201 689 0.4+ 0.0
900915 809 0.0 1.2- 930417 894 1.6- 0.1+ 970128 689 0.4- 2.0-
900915 809 0.8+ 0.9- 930417 894 0.3- 0.5- 970211 689 0.5+ 1.0-
900922 809 (0.7+ 2.4-) 930425 361 1.6+ 0.9- 970212 689 1.3- 0.6-

(7598)* 1994 CS = 1962 EE

Discovered 1994 Feb. 4 by S. Ueda and H. Kaneda at Kushiro.

Id. S. Nakano (*MPC* 23343)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Nakano

<i>M</i>	202.06193	(2000.0)	P	Q
<i>n</i>	0.18642290	ω 36.53307	-0.99651857	+0.00917773
<i>a</i>	3.0348451	Ω 143.72431	-0.03294488	-0.95637844
<i>e</i>	0.1831311	<i>i</i> 8.05082	+0.07658575	-0.29198638
<i>P</i>	5.29	<i>H</i> 13.2	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

620308 033 0.3+ 2.0+ 940205 399 1.0- 0.0 940304 399 0.9+ 1.1+
620309 033 0.2- 0.1- 940205 399 0.2+ 0.4- 940311 399 1.9+ 0.7+
620309 033 0.2+ 0.8+ 940214 675 0.1- 1.3- 940311 399 0.5- 0.6-
620309 033 0.1- 0.1- 940214 675 0.1+ 1.0- 940314 675 0.5+ 0.6-
890307 675 0.2- 0.2- 940214 033 0.7- 0.0 940314 675 0.2+ 0.9-
890307 675 0.6+ 0.3- 940215 033 0.4- 0.4- 960817 566 0.7+ 0.3-
921127 675 0.6+ 0.4+ 940216 033 0.6- 0.3- 960817 566 0.6+ 0.1-
940118 033 0.0 0.8- 940304 691 1.0- 0.2+ 960817 566 0.6+ 0.1+
940118 033 0.1- 0.5- 940304 691 0.9- 0.3+ 960908 566 0.6- 0.5-
940204 399 0.4+ 0.0 940304 691 0.7- 0.6+ 960908 566 0.6- 0.8-
940204 399 0.6- 1.0- 940304 399 1.1+ 0.8+ 960908 566 0.7- 0.7-

(7599)* 1994 PB = 1989 TD₁₁

Discovered 1994 Aug. 3 by A. Boattini and M. Tombelli at San Marcello

Pistoiese.

Id. G. V. Williams (*MPC* 25962)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	94.16534	(2000.0)	P	Q
<i>n</i>	0.18322552	ω 207.25068	+0.17396683	-0.97956349
<i>a</i>	3.0700498	Ω 232.90162	+0.92497834	+0.19771798
<i>e</i>	0.1786330	<i>i</i> 7.27126	+0.33786183	-0.03691832
<i>P</i>	5.38	<i>H</i> 12.7	<i>G</i> 0.15	<i>U</i> 1

Residuals in seconds of arc

510909 675 0.1- 0.9+ 940810 104 0.7+ 1.6- 951123 104 0.0 0.0
510909 675 0.7- 0.4- 940810 104 0.3- 0.5- 951210 108 1.3- 0.3+
890902 675 0.5+ 0.0 940810 104 0.7- 0.4- 951210 108 (0.1+ 2.2-)
890902 675 0.5+ 0.6+ 940810 104 0.7- 0.6- 951210 108 0.3+ 0.1-
890930 675 0.2+ 0.2+ 940828 104 0.8+ 1.6+ 951211 108 0.7+ 0.3-
890930 675 1.5+ 0.2- 940828 104 (0.2+ 2.3+) 951211 108 1.0- 0.4+
891004 494 0.8+ 0.7+ 940828 104 0.8+ 0.9+ 951211 108 0.4+ 0.3-
891004 494 0.2+ 0.8+ 951007 104 0.3- 0.4+ 951211 108 0.5- 0.4+
940803 104 0.2+ 0.6- 951008 104 0.1+ 0.2+ 951219 108 0.1+ 1.2-

940803	104	0.6+	2.0-	951008	104	0.3+	0.1+	951219	108	0.2-	0.4-
940803	104	1.0-	0.6-	951008	104	0.9-	0.2-	951219	108	0.4+	0.2+
940803	104	0.3+	0.7-	951027	104	0.1-	1.4-	970311	104	0.3-	0.1-
940803	104	1.4-	0.8+	951027	104	0.1-	0.9-	970311	104	0.1+	0.1+
940803	104	0.7-	0.7+	951027	104	0.2-	0.4-	970311	104	0.4-	0.1+
940803	104	1.2-	0.3+	951027	104	0.0	0.1+	970312	104	0.5-	0.4+
940803	104	0.3+	1.7-	951027	104	0.2+	0.6-	970312	104	0.4-	0.5+
940804	104	1.2-	1.0+	951120	104	0.3+	1.0+	970312	104	0.3-	1.0+
940804	104	0.7-	0.5-	951120	104	0.1+	0.4+	970317	599	0.7-	0.2+
940804	104	0.2+	0.4-	951120	104	0.2+	0.3+	970317	599	0.7-	0.3+
940804	104	0.5-	0.0	951120	104	0.2+	0.0	970402	108	2.6+	2.1-
940804	104	0.7-	0.1+	951121	104	0.0	0.0	970402	108	0.2-	0.1-
940805	104	0.7+	0.1+	951121	104	0.1-	0.1+	970402	108	1.2+	0.3+
940805	104	(2.2-	1.8-)	951121	108	0.5+	0.3-	970402	108	0.5-	1.3-
940805	104	(3.3-	2.8-)	951121	108	0.9-	0.9-	970406	108	0.4-	0.4+
940806	104	0.1+	0.0	951121	108	0.4+	0.5+	970406	108	(0.5+	3.3-)
940806	104	1.1+	0.7-	951123	104	0.4-	0.3-				
940806	104	1.6+	0.5-	951123	104	0.0	0.3+				

(7600)* 1994 RB₁ = 1990 VR₂

Discovered 1994 Sept. 9 by V. S. Casulli and S. Valentini at Colleverde di Guidonia.

Id. G. V. Williams (*MPC* 24113)

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	168.51835	(2000.0)	Williams	
			P	Q
<i>n</i>	0.22095920	ω 186.58211	+0.67645668	-0.72999030
<i>a</i>	2.7097423	Ω 220.91566	+0.68232058	+0.67105177
<i>e</i>	0.0242490	<i>i</i> 8.56775	+0.27720929	+0.12962905
<i>P</i>	4.46	<i>H</i> 13.5	<i>G</i> 0.15	<i>U</i> 1

Residuals in seconds of arc

901111	372	1.3-	1.5+	941006	596	1.5+	0.1-	960109	596	0.3-	0.0
901113	372	0.7+	1.7+	941006	596	1.7+	0.3-	960109	596	0.2-	0.0
940902	033	0.6-	0.5+	941007	033	0.5+	0.6-	960118	596	0.8+	0.2+
940902	033	0.1+	0.5+	941011	691	1.3-	0.3+	960118	596	0.6+	0.4+
940904	033	0.4-	0.2+	941011	691	1.2-	0.1+	960118	596	0.5+	0.3-
940906	033	0.0	0.5+	941011	691	1.0-	0.4+	960118	596	0.2+	0.3-
940909	596	1.1+	1.8+	941101	033	0.6+	0.3+	960415	589	1.1+	0.4-
940909	596	1.7+	0.5-	941101	033	0.5-	0.5+	960415	589	0.1-	0.7-
940909	596	0.8-	1.1-	950930	596	0.1+	0.5-	960420	587	0.1-	0.9-
940911	596	0.3+	0.8+	950930	596	0.2-	0.2-	960420	587	1.3+	1.1-
940911	596	0.1+	1.6-	950930	596	0.2-	0.5-	970117	599	(2.3+	0.6+)
940911	596	1.3-	0.9-	951022	596	(2.1+	1.3-)	970117	599	0.8-	0.1-
940911	596	(3.0-	0.8-)	951022	596	0.4+	0.4-	970320	596	0.3+	0.4+
940912	596	(2.4+	0.7+)	951022	596	1.6-	0.7+	970320	596	0.0	0.8-
940912	596	1.0-	0.7+	951129	596	0.2-	0.2-	970320	596	0.4+	0.7+
940912	596	(2.4-	0.3+)	951129	596	0.2-	0.2-	970329	596	0.2-	1.4-
940928	596	0.2-	1.6-	951130	596	0.7-	0.4+	970329	596	0.6-	1.1-
940928	596	0.4+	0.8-	951130	596	0.7-	0.5-	970329	596	0.1+	0.1-
940928	596	0.6+	0.2-	951130	596	0.6-	0.1+	970407	596	0.6+	1.0+
941004	033	0.4-	0.6-	960101	596	0.2+	0.1+	970407	596	0.4-	1.4+
941006	033	0.2-	0.6-	960101	596	0.3-	0.2+				
941006	596	1.4+	0.3-	960109	596	0.2+	0.0				

(7601)* 1994 US₁ = 1969 UT = 1990 TY₁₂ = 1990 WY₁₁ = 1990 XE₂

Discovered 1994 Oct. 25 by S. Ueda and H. Kaneda at Kushiro.

Id. K. Ichikawa (*MPC* 24399), K. Kinoshita (*ibid.*)

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	286.05740	(2000.0)	Nakano	
			P	Q
<i>n</i>	0.23594475	ω 279.74868	+0.75636606	+0.63031418
<i>a</i>	2.5937563	Ω 41.47148	-0.44699337	+0.69329912
<i>e</i>	0.1384380	<i>i</i> 15.31979	-0.47760581	+0.34934278
<i>P</i>	4.18	<i>H</i> 12.6	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

691016	095	(1.1-	3.7-)	941104	675	1.3+	0.2-	941203	675	0.1+	0.8+
901014	033	0.8+	0.1-	941104	675	0.9+	0.6-	941203	675	1.0-	1.0+
901015	033	0.8+	0.6-	941106	675	0.6+	0.7-	960216	801	0.3-	0.2-
901015	033	0.7+	0.3-	941106	675	0.3+	1.0-	960219	801	0.3+	0.7+
901119	399	(5.4-	1.3+)	941107	399	1.3-	0.3+	960219	801	0.3+	0.6+
901119	399	1.5-	0.2+	941107	399	0.5+	0.0	960317	801	0.3+	0.6-
901213	400	1.8-	1.7+	941110	399	1.2-	0.8-	960317	801	0.2-	0.7-
901213	400	0.7+	0.2-	941110	399	0.9-	0.0	960319	801	0.4-	0.3-
941025	399	0.4+	1.2+	941128	675	0.7+	0.1-	960319	801	0.5-	0.3-
941025	399	(2.0+	2.2+)	941128	675	0.8+	1.5-	970309	689	2.1+	1.7-
941026	399	0.5-	1.3+	941130	675	0.1-	0.6-	970411	704	0.6-	1.0+
941026	399	0.6-	1.0+	941130	675	0.0	0.2+	970411	704	0.4-	1.4+

(7602)* 1994 YW₁ = 1987 RB₄

Discovered 1994 Dec. 31 by T. Kobayashi at Oizumi.

Id. T. Kobayashi (*MPC* 25332)

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	24.27638	(2000.0)	Nakano	
			P	Q
<i>n</i>	0.18579897	ω 309.82304	-0.29724521	+0.94386164
<i>a</i>	3.0416356	Ω 302.31333	-0.81563558	-0.32948141
<i>e</i>	0.0595448	<i>i</i> 9.81853	-0.49637071	-0.02381606
<i>P</i>	5.30	<i>H</i> 12.4	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

870902	095	0.6+	2.0+	941231	411	0.2+	0.1+	960302	411	1.0+	1.0-
870916	095	1.1-	0.2-	941231	411	0.0	0.2+	960322	411	0.4-	0.4-
881109	675	0.1+	0.4-	950101	411	0.2+	0.4-	960322	411	1.3-	0.8+
881109	675	0.6-	0.1-	950101	411	0.3-	0.6+	960412	411	1.4+	1.9+
920727	010	0.9+	1.4+	950106	411	0.1-	0.1+	960412	411	0.2+	0.3-
920727	010	1.0-	0.3-	950106	411	0.7+	0.6+				
920727	010	0.0	1.2-	960302	411	0.3-	0.0				

(7603)* 1995 OA₂ = 1985 QT₃ = 1986 WM₉

Discovered 1995 July 25 by S. P. Laurie at Church Stretton.

Id. G. V. Williams (*MPC* 25535)

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	178.40154	(2000.0)	Williams	
			P	Q
<i>n</i>	0.19169156	ω 32.88380	-0.35181283	+0.93071351
<i>a</i>	2.9789786	Ω 216.79708	-0.89084769	-0.36570398
<i>e</i>	0.0602196	<i>i</i> 9.61056	-0.28743368	-0.00574188
<i>P</i>	5.14	<i>H</i> 13.1	<i>G</i> 0.15	<i>U</i> 1

Residuals in seconds of arc

850823	675	0.5-	0.1+	950727	966	0.4+	0.2+	960914	966	0.4+	0.4+
850823	675	0.7-	0.8+	950728	966	0.7-	0.4-	961013	966	0.7+	0.1-

861130 381 2.0+ 1.8+ 950729 966 0.3- 0.1- 961013 966 0.7+ 0.2-
861130 381 1.9- 1.8- 950729 966 0.3- 0.4- 961118 966 (2.1+ 1.2+)
861201 381 0.6+ 1.1- 950802 966 0.8+ 0.2- 961118 966 1.3+ 0.5+
861201 381 1.9+ 0.8+ 950803 966 0.0 0.2+ 961119 691 0.6- 0.3-
890507 675 0.0 0.7- 950803 966 0.4+ 0.2+ 961119 691 0.8- 0.3-
890507 675 0.3- 1.0+ 950819 966 2.0+ 0.4+ 961119 691 0.7- 0.5-
911105 691 1.4- 0.0 950819 966 0.8+ 0.4+ 970201 691 0.6- 0.4-
911105 691 0.9- 0.3+ 950819 966 0.4- 0.1- 970201 691 0.6- 0.2+
950725 966 0.2- 0.7- 950823 966 0.6- 0.1+ 970201 691 0.6- 0.1-
950726 966 0.4- 0.4- 960913 966 0.2+ 0.3+

(7604)* 1995 QY₂ = 1984 QD₁ = 1991 CF₃

Discovered 1995 Aug. 31 by R. H. McNaught at Siding Spring.

Id. G. V. Williams (*MPC* 25732)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	89.26109		(2000.0)	P	Q
<i>n</i>	0.17895105	ω	266.27266	+0.55904805	-0.80746663
<i>a</i>	3.1187451	Ω	147.36270	+0.82888407	+0.54986323
<i>e</i>	0.5726954	<i>i</i>	20.43678	-0.02040788	+0.21365410
<i>P</i>	5.51	<i>H</i>	13.7	<i>G</i>	0.15
				<i>U</i>	1

Residuals in seconds of arc

840623 413 0.1+ 1.6+ 950920 608 0.5+ 0.3+ 951121 323 (0.7+ 4.0-)
840705 413 1.4- 0.8+ 950920 608 0.4+ 0.4+ 951122 323 (0.3- 2.5-)
840831 688 0.4+ 1.3- 950921 608 0.0 0.8+ 951208 413 0.9+ 0.3+
840831 688 1.0+ 0.2+ 950921 608 0.1+ 1.0+ 951208 413 0.9+ 0.2+
840831 688 0.8- 1.2- 950921 897 0.1+ 0.1+ 951210 323 0.4+ 0.6-
910214 675 0.0 1.1- 950921 897 0.3+ 0.2+ 951211 323 0.9+ 0.8+
910214 675 0.6- 1.0- 950921 323 0.2+ 0.0 951217 323 0.5+ 0.4-
910216 675 0.6- 0.7- 950928 801 0.9+ 0.1+ 951222 801 0.5- 0.2-
910216 675 0.8+ 1.4- 950928 801 0.7+ 0.3+ 951222 801 0.3- 0.1-
910313 675 0.1- 1.9- 950929 801 (2.3+ 0.1+) 960104 897 0.3+ 0.3+
910313 675 0.2+ 1.0- 950929 801 0.8+ 0.1+ 960104 897 0.5+ 0.0
950831 413 (1.3- 2.9-) 950930 670 1.0+ 1.1+ 960104 413 0.1+ 0.0
950831 413 1.0- 1.4- 950930 670 0.5+ 0.3+ 960104 413 0.1+ 0.1-
950901 897 0.2+ 0.6- 950930 670 0.7+ 0.5+ 960111 323 0.1+ 1.5+
950901 897 0.9- 0.3- 951001 670 0.4+ 0.7+ 960127 413 0.1+ 0.3+
950901 402 0.7+ 1.6+ 951001 670 0.3+ 0.1+ 960127 413 0.1- 0.3+
950901 897 0.6- 0.1- 951001 670 0.9+ 0.1- 960217 801 1.1- 0.7-
950901 402 0.4- 0.1- 951007 104 0.4+ 0.6+ 960217 801 0.9- 1.4-
950901 402 0.7- 0.0 951007 104 0.4+ 1.0+ 960226 413 0.2- 0.6+
950901 411 1.0- 0.3- 951007 104 0.5+ 0.0 960227 413 0.4- 0.4+
950901 411 0.7- 0.4- 951009 540 0.0 0.5- 960227 413 0.4- 0.4+
950901 411 0.5- 0.1+ 951009 540 0.1+ 0.0 960229 658 0.8- 0.6-
950901 397 1.0- 1.3+ 951009 540 0.1- 0.6- 960229 658 0.5- 0.5-
950901 397 0.4- 0.0 951009 540 0.4+ 0.9- 960229 658 0.3- 0.4-
950901 896 0.5- 0.1- 951011 118 0.8- 0.5- 960314 658 1.0- 0.4+
950901 896 0.4- 0.1- 951019 413 0.1+ 0.4- 960314 658 1.1- 0.5+
950903 413 0.5- 0.4- 951019 413 0.2+ 0.4- 960314 658 1.2- 0.4+
950906 413 0.2+ 0.1- 951020 360 0.3+ 0.8- 960323 658 0.7+ 0.4-
950906 413 0.3+ 0.1- 951020 360 0.4+ 1.1- 960323 658 0.7+ 0.2-
950908 413 0.2+ 0.6- 951020 360 0.1+ 0.4- 960323 658 0.8+ 0.3-
950908 413 0.2+ 0.5- 951022 568 0.6- 1.3- 960325 658 0.0 0.7+
950908 413 0.1+ 0.5- 951022 568 0.5- 1.1- 960325 658 0.2+ 0.8+

950908 367 0.1- 0.7- 951022 568 0.4- 1.2- 960325 658 0.1+ 0.7+
950908 367 0.6+ 0.2- 951025 360 0.1- 0.4- 960325 658 0.1- 0.7+
950916 118 0.1+ 0.0 951025 360 0.3- 0.9- 960326 413 0.2+ 0.4+
950916 540 0.2+ 0.0 951025 360 0.2- 0.7- 960326 413 0.3+ 0.4+
950916 540 0.1+ 0.1+ 951027 897 1.0- 0.7- 960326 413 0.3+ 0.5+
950916 540 0.0 0.3+ 951027 897 1.0- 0.9- 960528 413 0.3- 0.4+
950916 046 0.2+ 0.3+ 951030 413 0.6- 0.3- 960528 413 0.9- 0.4+
950916 046 0.1+ 0.3+ 951030 413 0.6- 0.4- 970328 658 0.2- 0.2-
950916 046 0.0 0.3+ 951031 413 0.9- 0.5- 970328 658 0.1- 0.0
950917 118 0.2+ 0.5+ 951031 413 0.8- 0.3- 970328 658 0.1+ 1.3-
950917 118 0.1+ 0.4+ 951031 413 0.8- 0.3- 970414 118 0.4+ 0.2+
950918 360 0.2+ 0.7+ 951121 360 0.1+ 0.3- 970414 118 0.5+ 0.2+
950918 360 0.3+ 0.6+ 951121 360 0.1+ 0.2-
950918 360 0.3+ 0.5+ 951121 360 0.1- 0.5-

(7605)* 1995 SR₁ = 1933 OF

Discovered 1995 Sept. 21 by T. B. Spahr at the University of Arizona's

Catalina Station.

Id. G. V. Williams (*MPC* 25965)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	239.79596		(2000.0)	P	Q
<i>n</i>	0.17629057	ω	271.95938	-0.64631765	+0.69048677
<i>a</i>	3.1500443	Ω	311.91172	-0.40091122	-0.66945099
<i>e</i>	0.0846287	<i>i</i>	25.87886	-0.64926396	-0.27397698
<i>P</i>	5.59	<i>H</i>	11.6	<i>G</i>	0.15
				<i>U</i>	1

Residuals in seconds of arc

330724 024 0.4+ 0.7- 950921 693 0.3- 1.2+ 951011 695 0.7+ 0.8-
330727 024 2.3+ 2.0- 950924 693 1.3- 0.1- 961208 693 0.0 0.2-
890802 675 0.7- 0.7+ 950924 693 0.5- 0.0 961208 693 0.3+ 0.4-
890802 675 0.1- 0.6+ 950930 816 0.1- 0.0 961209 693 0.8+ 0.1+
890830 675 0.1+ 0.0 950930 816 0.2- 0.1+ 961209 693 0.1+ 0.2+
890830 675 0.4+ 0.4+ 950930 816 0.3- 0.2+ 970321 693 0.2- 0.6+
920205 675 1.2- 0.8- 950930 816 0.2- 0.2+ 970321 693 0.1- 0.5+
920205 675 0.3- 1.1- 951011 695 0.5+ 0.9-

(7606)* 1995 SV₂ = 1976 UJ₇ = 1989 AZ₉ = 1993 CH₁ = 1994 LB₄

Discovered 1995 Sept. 20 by S. Ueda and H. Kaneda at Kushiro.

Id. K. Kinoshita (*MPC* 26177)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Nakano

<i>M</i>	104.06992		(2000.0)	P	Q
<i>n</i>	0.25711320	ω	24.93621	+0.37616873	-0.92601776
<i>a</i>	2.4493629	Ω	42.98612	+0.84217483	+0.32757043
<i>e</i>	0.1541105	<i>i</i>	2.64258	+0.38631418	+0.18758658
<i>P</i>	3.83	<i>H</i>	14.2	<i>G</i>	0.15
				<i>U</i>	1

Residuals in seconds of arc

761022 381 0.4- 1.3+ 940603 809 (0.7+ 3.1+) 950926 098 1.1+ 0.3-
761022 381 0.5- 1.0+ 940603 809 (3.2- 2.7+) 950926 098 1.1+ 0.8-
761024 381 0.4- 0.9+ 940603 809 0.3- 1.8+ 950930 399 1.7- 0.3-
890115 400 (1.3+ 2.9+) 940604 809 0.5+ 1.0+ 950930 399 0.2- 0.1+
890115 400 (3.4+ 2.0+) 940604 809 (0.5- 2.5+) 970110 689 1.0+ 1.2-
890115 400 0.0 0.9+ 940604 809 0.4+ 1.2+ 970131 691 0.4- 0.3-
930213 372 0.0 0.1- 950920 399 1.4+ 0.6- 970131 691 0.4- 0.5-
930213 372 0.7+ 2.0+ 950920 399 0.1+ 0.1+ 970131 691 0.1- 0.6-

930217 372 0.2+ 0.2+ 950921 399 1.3- 0.6+
 930217 372 0.6- 0.6+ 950921 399 (2.4- 0.2-)

(7607)* 1995 SB₁₃ = 1951 CD = 1981 RE₄ = 1981 SR₃ = 1986 UU₂

Discovered 1995 Sept. 18 by Spacewatch at Kitt Peak.

Id. G. V. Williams (*MPC* 25967)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams					
<i>M</i>	133.47730	(2000.0)		P		Q	
<i>n</i>	0.21220505	ω	177.13395	+0.98955931	+0.14393809		
<i>a</i>	2.7837628	Ω	174.57366	-0.13373325	+0.93604767		
<i>e</i>	0.0805934	<i>i</i>	4.46468	-0.05373807	+0.32108656		
<i>P</i>	4.64	<i>H</i>	12.6	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

510210 760 0.5+ 0.2+ 911203 691 0.2- 0.5- 950927 691 0.3+ 0.1-
810905 095 1.6- 0.9+ 911203 691 0.3- 0.6- 950927 691 0.3+ 0.1-
810925 095 (0.5+ 3.2-) 950918 691 0.0 0.1+ 950927 691 0.3+ 0.3-
861027 010 (1.0+ 4.7-) 950918 691 0.1- 0.1+ 961112 689 1.4- 0.1-
861027 010 (2.5+ 3.3-) 950918 691 0.3- 0.1+ 961230 689 1.4+ 0.0
861027 010 (2.2+ 3.6-) 950922 691 0.6+ 0.1+ 970128 689 0.5- 1.5+
861104 095 0.6+ 0.7+ 950922 691 0.1+ 0.1-
911203 691 0.0 0.4- 950922 691 0.1- 0.1-

(7608)* 1995 UO₁ = 1991 RL₂₃

Discovered 1995 Oct. 22 by J. Tichá at Kleť.

Id. B. G. Marsden (*MPC* 26179)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Marsden					
<i>M</i>	133.77129	(2000.0)		P		Q	
<i>n</i>	0.26063412	ω	4.87516	+0.51363392	-0.85649225		
<i>a</i>	2.4272539	Ω	54.22776	+0.78506799	+0.44515364		
<i>e</i>	0.1745686	<i>i</i>	3.60406	+0.34619136	+0.26126474		
<i>P</i>	3.78	<i>H</i>	14.4	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc

890202 675 0.1- 1.2+ 951026 046 0.3+ 0.4- 960113 046 0.1- 0.5-
890202 675 0.2+ 0.9- 951111 046 0.1+ 0.0 960113 046 0.8+ 0.4-
910915 675 0.4+ 0.4- 951111 046 0.3+ 0.1+ 970302 046 0.3- 0.2-
910915 675 0.1- 0.3+ 951111 046 0.2+ 0.1- 970302 046 0.6+ 0.1-
910917 675 0.1- 1.3- 951121 046 0.1- 0.3+ 970302 046 0.2- 0.5+
910917 675 0.5+ 0.0 951121 046 0.2+ 0.1+ 970305 046 0.3+ 0.1-
951022 046 (2.7+ 1.3-) 951121 046 0.0 0.0 970305 046 0.3+ 0.2+
951022 046 (2.3+ 0.9+) 951210 046 0.4- 0.1- 970305 046 0.2- 0.3-
951023 046 0.1- 0.0 951210 046 0.0 0.1+ 970403 046 0.0 0.9-
951023 046 0.1- 0.1+ 951210 046 0.3+ 0.1- 970403 046 0.1+ 0.6-
951023 046 0.3- 0.0 960111 046 0.2- 0.1+ 970410 046 0.8- 0.6-
951023 046 0.2- 0.0 960111 046 0.4- 0.4+ 970410 046 0.8- 0.6-
951026 046 0.2+ 0.5- 960111 046 0.1- 0.3- 970410 046 0.5- 0.6-
951026 046 0.2+ 0.5- 960113 046 0.1+ 0.3-

(7609)* 1995 WX₃ = 1974 FT₁ = 1981 UY₁₇ = 1990 TR₁₅

Discovered 1995 Nov. 18 by Y. Shimizu and T. Urata at the Nachi-Katsuura

Observatory.

Id. S. Nakano (*MPC* 26571)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		(2000.0)		P		Q	
<i>M</i>	32.69771						
<i>n</i>	0.21505962	ω	146.53643	-0.97549983	-0.20344593		
<i>a</i>	2.7590748	Ω	22.18354	+0.11916473	-0.80853150		
<i>e</i>	0.0877051	<i>i</i>	12.81145	+0.18493199	-0.55216535		
<i>P</i>	4.58	<i>H</i>	12.2	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc

740321 095 0.8- 0.1- 951121 905 1.2- 0.6- 970309 385 0.6- 0.4-
811024 095 1.8+ 0.4- 951125 905 0.6+ 0.4+ 970319 327 0.0 0.1-
901013 095 (9.2+ 9.0+) 951125 905 0.5+ 0.3+ 970319 327 0.2- 0.5-
940912 675 0.4+ 0.3- 951212 905 0.3- 0.0 970319 327 0.0 0.3-
940912 675 0.1+ 1.1- 951212 905 0.2- 0.0 970330 367 0.4+ 0.0
951118 905 0.2- 0.5+ 951222 905 0.1- 0.2- 970330 367 0.4+ 0.0
951118 905 0.2+ 0.3+ 951222 905 0.0 0.1+ 970407 367 0.3+ 0.0
951121 905 0.6- 0.7- 970309 385 0.8- 0.3- 970407 367 0.3+ 0.2+

(7610)* 1995 XB = 1977 DH₃ = 1992 EU₂₅

Discovered 1995 Dec. 3 by D. di Cicco at Sudbury.

Id. B. G. Marsden (*MPC* 26412)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Marsden					
<i>M</i>	72.74134	(2000.0)		P		Q	
<i>n</i>	0.19878463	ω	38.86221	-0.30668675	-0.95069034		
<i>a</i>	2.9076861	Ω	69.04059	+0.86046703	-0.29766087		
<i>e</i>	0.0254554	<i>i</i>	2.83356	+0.40686573	-0.08709695		
<i>P</i>	4.96	<i>H</i>	13.2	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc

770218 381 0.5+ 0.0 951204 709 0.5- 0.1- 951229 817 0.1- 0.6+
770218 381 0.7+ 0.2+ 951204 709 0.6- 0.0 951229 817 0.2- 0.8+
770219 381 0.0 0.0 951204 709 0.5- 0.0 951229 817 0.4- 0.1+
770219 381 0.8- 0.7+ 951204 709 0.0 0.1+ 970308 817 0.0 0.0
890902 675 0.5+ 0.6- 951205 817 0.3- 0.3- 970308 817 0.0 0.2-
890902 675 0.7- 1.1+ 951205 817 0.5- 0.2- 970308 817 0.0 0.0
920229 809 0.2+ 0.7- 951205 817 0.2- 0.1- 970314 817 0.2+ 0.0
920308 809 (1.2+ 3.5-) 951208 817 0.4- 0.3- 970314 817 0.0 0.2-
920309 809 (2.4- 1.5-) 951208 817 0.2+ 0.5- 970405 817 0.2+ 0.0
920406 809 0.5- 0.4+ 951208 817 0.0 0.7- 970405 817 0.1+ 0.2-
951203 817 0.3- 0.4+ 951223 817 1.4+ 0.2- 970405 817 0.0 0.1+
951203 817 0.6- 0.6+ 951223 817 1.2+ 0.8- 970405 817 0.1- 0.2-
951203 817 0.5- 0.0 951223 817 1.7+ 0.1+ 970405 817 0.1- 0.2+
951203 817 1.0+ 0.1- 951226 817 0.6+ 0.5+ 970411 817 0.4- 0.3+
951204 709 0.4- 0.2- 951226 817 0.1+ 0.2+ 970411 817 0.0 0.1-
951204 709 0.4- 0.2- 951229 817 0.1- 0.4+ 970411 817 0.2+ 0.2+

(7611)* 1996 BW₁ = 1977 NE = 1992 KL

Discovered 1996 Jan. 23 by T. Kobayashi at Oizumi.

Id. T. Kobayashi (*MPC* 26751)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Nakano					
<i>M</i>	323.71952	(2000.0)		P		Q	
<i>n</i>	0.19111481	ω	172.32989	+0.20866630	+0.96804698		
<i>a</i>	2.9849689	Ω	109.63359	-0.90494294	+0.24504645		
<i>e</i>	0.1517617	<i>i</i>	8.49168	-0.37085933	-0.05326622		
<i>P</i>	5.16	<i>H</i>	11.8	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc

770714	095	0.5-	0.4-	920528	894	0.5-	0.5+	960127	411	0.0	0.6-
770722	095	0.5+	0.5+	920602	894	0.5+	0.7-	960127	411	0.3-	0.2-
881009	675	0.1-	0.8-	920602	894	0.3+	0.7-	960130	411	0.7+	0.9+
881009	675	0.1-	0.1-	960123	411	0.3+	0.4-	960130	411	0.1-	0.2-
881104	675	0.1-	0.2+	960123	411	0.5+	0.3-	960212	411	0.2+	0.9+
881104	675	0.4+	0.6+	960124	411	1.4-	0.8-	960212	411	0.3+	0.9+
920528	894	0.4-	0.7+	960124	411	0.3-	0.2-				

**(7612)* 1996 CN₂ = 1966 XC = 1971 SQ₂ = 1982 SE₁₂ = 1982 SK₁₂
= 1983 XH = 1985 FS**

Discovered 1996 Feb. 12 by S. Ueda and H. Kaneda at Kushiro.

Id. S. Nakano (*MPC* 26910)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Nakano	
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.17535645	ω 270.10594	+0.42378723 -0.90275812
<i>a</i>	3.1612212	Ω 154.41863	+0.88402754 +0.39452793
<i>e</i>	0.0868257	<i>i</i> 9.82801	+0.19723003 +0.17139279
<i>P</i>	5.62	<i>H</i> 11.5	<i>G</i> 0.15 <i>U</i> 1

Residuals in seconds of arc

661206	095	0.5+	0.3+	850321	688	0.6+	1.5-	960222	399	0.8+	0.3+
710926	095	0.6+	0.4+	881009	675	0.8+	0.5+	960222	399	0.3+	0.8+
820916	095	1.0-	1.4-	881009	675	1.0+	1.2+	960224	399	1.2+	1.6-
820919	095	1.7-	1.0+	881104	675	0.3+	0.8+	960224	399	0.7-	0.2-
831206	688	0.8+	0.1+	881104	675	0.3+	1.2+	960310	399	1.2-	0.6+
831206	688	0.8-	1.0-	960212	399	0.3-	1.4+	960310	399	0.3-	1.1+
831209	688	1.0-	1.7-	960212	399	1.5-	1.6+	960322	566	0.7+	0.5+
831209	688	0.9-	1.1-	960216	399	0.4-	0.2-	960322	566	0.9+	0.5+
850321	688	(1.0+	2.4-)	960216	399	0.2+	0.7-	960322	566	1.0+	0.5+

(7613)* 1996 DK = 1977 XA₁ = 1989 YD₁

Discovered 1996 Feb. 16 at Haleakala by the JPL Near-Earth Asteroid

Tracking program.

Id. G. V. Williams (*MPC* 26910)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.17164420	ω 10.49526	-0.92719950 -0.37404757
<i>a</i>	3.2066382	Ω 147.51725	+0.34094169 -0.86460894
<i>e</i>	0.1564612	<i>i</i> 2.10605	+0.15511240 -0.33546952
<i>P</i>	5.74	<i>H</i> 13.2	<i>G</i> 0.15 <i>U</i> 1

Residuals in seconds of arc

771207	675	0.1+	0.1-	930919	675	0.1+	1.1+	960216	566	0.2-	0.6+
771208	675	0.1-	0.1+	930919	675	1.0+	1.0+	960220	566	0.2+	0.2+
891230	413	0.3-	0.3+	931010	675	0.1-	0.3+	960220	566	0.1+	0.2+
891230	413	0.3-	0.0	931010	675	1.1-	0.5+	960220	566	0.2+	0.2-
891231	413	0.0	0.2+	941105	675	1.1-	1.4-	960316	566	0.3-	0.4+
891231	413	0.9+	0.5-	941105	675	0.7-	0.4-	960316	566	0.0	0.3-
910518	675	0.1-	1.0+	941128	675	0.4+	0.3+	960316	566	0.3+	0.4+
930914	809	0.8-	0.9+	941128	675	0.9+	0.8+	960322	566	0.0	0.1-
930914	809	(3.0-	0.7+)	960216	566	0.1+	0.6+	960322	566	0.9+	0.0
930914	809	(3.7-	0.5+)	960216	566	0.2-	0.7+	960322	566	0.0	0.0

(7614)* 1996 EA = 1978 GN₄ = 1978 JY₃ = 1979 SA₄ = 1988 BG₃

Discovered 1996 Mar. 2 by T. Kobayashi at Oizumi.

Id. S. Nakano (*MPC* 27113)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Nakano	
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.27190550	ω 158.65381	-0.58996607 +0.80529370
<i>a</i>	2.3597032	Ω 75.14554	-0.74931190 -0.51898665
<i>e</i>	0.0676296	<i>i</i> 3.47987	-0.30078516 -0.28662678
<i>P</i>	3.62	<i>H</i> 13.5	<i>G</i> 0.15 <i>U</i> 2

Residuals in seconds of arc

780411	095	1.3-	0.2-	941128	675	0.3+	1.3-	960412	411	0.5+	0.4-
780505	095	1.0+	0.4-	941128	675	0.2-	0.4+	960412	411	0.2+	0.2-
790924	095	0.1+	0.2-	960302	411	1.0-	0.4+	960509	411	0.3+	0.1+
880121	511	0.8+	0.9-	960302	411	0.1-	0.1-	960509	411	0.1+	0.7+
880121	511	0.5-	1.3+	960303	411	0.5-	0.2-	960510	411	0.8+	0.3-
880122	511	1.3-	1.2-	960303	411	0.9-	0.1+	960510	411	1.2+	0.1-
880122	511	1.2+	1.6+	960313	411	0.7-	0.0				

(7615)* 1996 TA₁₁ = 1981 SG₇ = 1991 EN₁ = 1992 PL₅

Discovered 1996 Oct. 9 by S. Ueda and H. Kaneda at Kushiro.

Id. G. V. Williams (*MPC* 28598, unpublished)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.26372744	ω 235.01950	+0.94602394 +0.31859703
<i>a</i>	2.4082367	Ω 106.33850	-0.27349080 +0.88319000
<i>e</i>	0.2113406	<i>i</i> 3.55202	-0.17390082 +0.34419667
<i>P</i>	3.74	<i>H</i> 13.5	<i>G</i> 0.15 <i>U</i> 1

Residuals in seconds of arc

810928	095	0.3-	1.1+	920806	675	0.2+	0.7+	961010	399	0.7-	0.3-
811006	095	0.2+	0.8-	920824	675	0.2-	0.9+	961016	399	1.4-	1.2-
910313	801	0.5+	0.4+	920824	675	0.2-	0.1+	961016	399	0.2-	0.5+
910313	801	0.4+	0.7+	950326	691	0.3-	0.2-	961103	399	1.3+	1.0+
910313	801	0.4+	1.3+	950326	691	0.3-	0.2-	961103	399	1.2+	0.7+
910313	801	0.5+	1.0+	950326	691	0.1-	0.2-	961106	399	0.4+	0.3-
920803	675	0.4-	0.0	961009	399	0.2-	0.0	961106	399	1.8+	0.9+
920803	675	0.3+	0.2-	961009	399	1.1-	0.2-	961115	399	1.9-	0.4-
920806	675	0.1-	0.3-	961010	399	0.9+	1.0+	961115	399	0.6-	0.7-

(7616)* 1996 VF₂ = 1975 VA₁₀ = 1990 RJ₉

Discovered 1996 Nov. 6 by T. Kobayashi at Oizumi.

Id. S. Nakano (*MPC* 28311)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Nakano	
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.18947688	ω 143.91086	+0.94105805 -0.31095730
<i>a</i>	3.0021466	Ω 234.73892	+0.25937416 +0.91597841
<i>e</i>	0.1048298	<i>i</i> 9.38139	+0.21710549 +0.25355298
<i>P</i>	5.20	<i>H</i> 11.8	<i>G</i> 0.15 <i>U</i> 1

Residuals in seconds of arc

751106	095	0.4-	2.1+	940608	675	0.3-	1.1-	961115	411	0.0	0.2-
900914	675	0.1-	0.2+	940608	675	0.7-	0.5+	961130	411	0.0	0.1-
900914	675	0.0	0.3-	961106	411	0.2+	0.4-	961130	411	0.2-	0.1-
900918	675	0.5+	0.7-	961106	411	0.1+	0.4-	961208	411	0.4-	0.3-
900918	675	0.1-	0.2+	961110	411	0.9+	1.1-	961208	411	0.4-	0.2-
940510	675	0.4+	0.2+	961110	411	0.3-	1.0+	970128	689	0.1-	0.2-
940510	675	0.6+	0.2+	961115	411	0.3+	0.3-				

**(7617)* 1996 VF₃₀ = 1968 UZ₁ = 1982 UF₁ = 1982 VL₉ = 1991 SH₂
= 1993 BZ₇**

Discovered 1996 Nov. 7 by S. Ueda and H. Kaneda at Kushiro.

Id. S. Nakano (*MPC* 28868)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Nakano	
<i>M</i>	54.46715	<i>P</i>	<i>Q</i>
		(2000.0)	
<i>n</i>	0.21272078	ω	227.02420
<i>a</i>	2.7792616	Ω	163.90746
<i>e</i>	0.2288647	<i>i</i>	8.35811
<i>P</i>	4.63	<i>H</i>	13.2
		<i>G</i>	0.15
		<i>U</i>	1

Residuals in seconds of arc

681023	095	0.3+	0.1-	910916	675	0.2+	0.4-	930217	809	0.2-	0.3-
821021	688	0.2+	0.1+	930123	809	0.9+	0.8+	930217	809	1.3-	1.7-
821021	688	0.3-	1.8-	930123	809	0.1+	0.6+	961107	399	0.3+	0.6+
821110	095	(4.3+	3.1-)	930123	809	0.1+	0.6+	961107	399	0.5-	1.2+
890329	675	0.1-	0.9-	930128	809	0.0	0.8-	961112	399	1.2-	0.6-
910910	675	0.1+	0.7-	930128	809	0.2+	0.8-	961112	399	0.1+	0.1+
910910	675	0.2-	0.4-	930128	809	0.4-	1.0-	961202	399	1.3+	0.3+
910916	675	0.3+	0.7-	930217	809	(0.2+	2.7-)	961202	399	0.1+	0.7+

(7618)* 1997 AU₄ = 1977 SO₁ = 1977 UA₃ = 1986 TX₅ = 1994 LK₈

Discovered 1997 Jan. 6 by T. Kobayashi at Oizumi.

Id. S. Nakano (*MPC* 29122), G. V. Williams (*MPC* 29309)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Nakano	
<i>M</i>	121.35161	<i>P</i>	<i>Q</i>
		(2000.0)	
<i>n</i>	0.21724663	ω	147.03253
<i>a</i>	2.7405265	Ω	235.19589
<i>e</i>	0.1134812	<i>i</i>	1.72916
<i>P</i>	4.54	<i>H</i>	13.1
		<i>G</i>	0.15
		<i>U</i>	1

Residuals in seconds of arc

770919	095	0.5+	1.0+	940608	809	(0.5+	4.3+)	970106	411	1.4+	0.9-
771018	675	0.6-	0.3-	940609	809	(1.4+	3.8+)	970107	411	0.6-	0.1+
771019	675	0.1-	0.5+	940609	809	(0.1+	2.9+)	970107	411	0.2-	0.3-
861009	046	(0.2+	3.4-)	940609	809	0.4+	1.1+	970111	411	0.4+	0.7+
861009	046	(3.2+	1.8-)	951107	327	0.2-	0.1+	970111	411	0.2+	0.2+
861010	046	(6.0+	1.4-)	951107	327	0.4-	0.4+	970116	411	0.3+	0.7+
861010	046	(5.4+	2.2-)	951107	327	0.1-	0.1+	970116	411	0.1-	0.6+
890507	675	0.7-	0.4+	961112	691	0.9-	0.3+	970127	411	0.4+	0.8+
890507	675	0.5-	0.4-	961112	691	0.9-	0.4+	970127	411	1.1+	0.6+
940608	809	0.7+	1.8+	961112	691	0.8-	0.4+				
940608	809	(0.8+	4.0+)	970106	411	0.1-	1.1-				

(7619)* 1997 AP₂₁ = 1979 WP₆ = 1992 SX₁₃

Discovered 1997 Jan. 13 by Y. Shimizu and T. Urata at the Nachi-Katsuura

Observatory.

Id. T. Urata (*MPC* 29126)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Nakano	
<i>M</i>	60.07801	<i>P</i>	<i>Q</i>
		(2000.0)	
<i>n</i>	0.29766973	ω	43.01302
<i>a</i>	2.2214997	Ω	57.98295
<i>e</i>	0.0944714	<i>i</i>	2.03733
<i>P</i>	3.31	<i>H</i>	14.9
		<i>G</i>	0.15
		<i>U</i>	2

Residuals in seconds of arc

791117	095	0.2+	1.0-	920928	033	0.8-	0.4-	970116	905	1.3-	1.7+
891104	675	(0.7+	2.9-)	940314	675	0.2+	1.0-	970116	905	1.4-	0.8+
891104	675	0.7+	0.9-	940403	691	1.0-	1.3-	970201	905	1.2+	1.1-
920926	033	0.6+	0.4-	940403	691	0.7-	1.4-	970201	905	0.8+	0.3-
920926	033	0.3+	0.2-	970113	905	0.1-	0.3-	970304	385	0.0	0.2-
920927	033	0.5+	0.5-	970113	905	0.5+	0.5+	970304	385	0.4+	0.6+

(7620)* 4077 P-L = 1951 ED = 1962 CB₁

Discovered 1960 Sept. 24 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Id. H. Oishi (*MPC* 14797)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	136.64272	<i>P</i>	<i>Q</i>
		(2000.0)	
<i>n</i>	0.26394753	ω	214.58110
<i>a</i>	2.4068978	Ω	317.95791
<i>e</i>	0.1439433	<i>i</i>	1.36279
<i>P</i>	3.73	<i>H</i>	14.7
		<i>G</i>	0.15
		<i>U</i>	1

Residuals in seconds of arc

510306	024	0.4-	1.7-	620210	033	(12.0+	2.8-)	930813	675	0.6+	0.9-
550523	675	1.0-	0.7+	920225	675	0.8+	0.1+	930813	675	0.8-	1.1-
600924	675	0.5-	0.3+	920225	675	0.9+	0.1-	941107	675	0.7-	1.5-
600925	675	0.5-	0.5-	920229	691	0.2-	0.3+	960322	809	0.2-	0.6-
600926	675	0.2+	0.7-	920229	691	0.8-	0.1-	960322	809	0.2-	0.8-
600926	675	0.4-	0.3+	920229	691	0.9-	0.0	960322	809	0.7-	1.1-
600927	675	0.1+	0.8+	920304	809	0.9-	1.2+	960326	809	(2.5+	0.2-)
600928	675	0.1+	0.2-	920306	303	0.9+	0.5-	960326	809	1.2+	0.1-
600928	675	0.6+	0.6-	920306	303	1.1+	0.8-	960326	809	0.9+	0.3+
601017	675	1.9+	0.9+	920306	303	(3.6+	0.8-)	960515	566	0.2+	0.4+
601022	675	0.3-	0.1+	920307	809	0.2-	0.7+	960515	566	0.2-	0.5+
601026	675	0.4+	0.7+	920307	303	(4.3-	1.8-)	960515	566	0.1+	0.3+
620210	033	(8.4+	1.4-)	920307	303	0.8-	0.1-				

(7621)* 4127 P-L = 3086 T-3

Discovered 1960 Sept. 24 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Id. S. Nakano (*MPC* 12698)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Nakano	
<i>M</i>	198.58449	<i>P</i>	<i>Q</i>
		(2000.0)	
<i>n</i>	0.17665494	ω	127.74693
<i>a</i>	3.1457112	Ω	230.12653
<i>e</i>	0.1815072	<i>i</i>	0.29952
<i>P</i>	5.58	<i>H</i>	14.7
		<i>G</i>	0.15
		<i>U</i>	2

Residuals in seconds of arc

600924	675	0.6-	0.9+	771012	675	2.2-	0.4+	881103	807	0.5+	1.5-
600924	675	0.1-	0.8-	771016	675	1.4+	1.3-	881106	807	0.8+	1.4-
600925	675	0.1+	0.5+	771016	675	0.7+	1.2-	881108	807	(2.5-	2.2-)
600926	675	0.4+	0.5-	771017	675	0.6-	0.8+	970304	691	0.1-	0.4-
600926	675	0.3-	1.6-	771017	675	1.0-	0.4+	970304	691	0.1-	0.2-
600927	675	0.6+	0.0	771021	675	0.8+	1.0+	970304	691	0.2-	0.6-
600928	675	1.6+	0.7-	771021	675	1.6+	0.6+	970310	691	0.3+	0.7-
600928	675	1.4+	0.2-	771022	675	(0.1-	3.5-)	970310	691	0.3+	0.6-
601017	675	0.6+	0.0	771022	675	1.5+	1.9-	970310	691	0.3+	1.0-

601022 675	0.8-	0.5-	880912 675	(4.1-	2.7-)	970313 691	0.6-	0.3-
601022 675	1.1-	0.5-	880912 675	(2.4-	3.2-)	970313 691	0.1-	0.6-
601024 675	1.2+	0.7+	880914 807	0.4+	0.2-	970313 691	0.2-	0.8-
601025 675	0.6-	0.7+	880915 807	0.4+	0.9-	970407 691	0.1-	0.6-
601026 675	0.7-	0.3+	880915 675	1.8-	1.0+	970407 691	1.1-	0.8-
601026 675	1.0-	0.6-	880915 675	0.1+	0.3-	970407 691	0.2+	1.0-
771007 675	(3.8+	1.5+)	880916 807	0.8+	1.3-	970416 691	1.6-	1.1-
771011 675	0.0	1.3-	881004 807	0.2+	0.2-	970416 691	1.3-	1.2-
771011 675	0.7-	1.7+	881005 807	0.5+	1.1-			
771012 675	1.4-	1.1+	881008 807	0.9+	0.9-			

(7622)* 6624 P-L = 1978 WQ₂

Discovered 1960 Sept. 24 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Id. K. Hurukawa (*MPC* 9303)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		
<i>M</i>	115.86135	(2000.0)	<i>Q</i>	
<i>n</i>	0.27942207	ω 334.33159	+0.83553836	-0.54750667
<i>a</i>	2.3171932	Ω 58.94070	+0.51288686	+0.74723288
<i>e</i>	0.0918578	<i>i</i> 3.07534	+0.19703482	+0.37666891
<i>P</i>	3.53	<i>H</i> 15.6	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

600924 675	0.4+	0.4-	770612 675	1.9-	1.4+	970113 566	0.3+	0.5-
600926 675	0.5+	0.3-	770613 675	0.9+	1.1+	970113 566	0.5+	0.1+
600927 675	0.7+	0.0	781129 675	1.7-	0.4+	970113 566	0.2+	0.0
600928 675	0.8+	0.6+	781130 675	1.5-	0.5+	970204 566	1.4+	0.3+
601017 675	0.3-	0.3+	921021 675	0.7-	0.4+	970204 566	0.9+	0.2+
601022 675	1.1-	0.2+	921021 675	1.7+	0.1+	970204 566	1.1-	0.5+
601024 675	0.3+	0.2+	921127 675	0.5+	0.6-			
601026 675	0.1+	0.8+	921127 675	1.1-	0.2-			

(7623)* 9508 P-L = 1986 ED₁ = 1992 JR₂

Discovered 1960 Oct. 17 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Id. T. Kobayashi (*MPC* 14630), G. V. Williams (*MPC* 21951)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		
<i>M</i>	342.35604	(2000.0)	<i>Q</i>	
<i>n</i>	0.17449208	ω 93.55981	-0.98381944	+0.17438540
<i>a</i>	3.1716523	Ω 96.48615	-0.17637677	-0.90239927
<i>e</i>	0.1337809	<i>i</i> 2.37058	-0.03147287	-0.39403718
<i>P</i>	5.65	<i>H</i> 12.7	<i>G</i> 0.15	<i>U</i> 1

Residuals in seconds of arc

540827 675	0.4+	0.5-	860312 809	0.9-	0.3-	920507 801	0.8+	0.2+
540827 675	0.2-	0.3+	880916 675	0.3+	1.6-	920507 801	0.1-	0.4+
601017 675	0.2-	0.4-	880916 675	0.7+	0.0	970115 596	0.3+	1.5-
601022 675	1.2-	1.3-	910207 675	(0.4+	2.2+)	970115 596	0.1-	0.4-
601024 675	1.0+	0.9-	910207 675	0.1+	1.0+	970115 596	1.0-	0.2-
601026 675	0.4+	0.6+	920401 801	0.3-	0.4-	970212 689	0.5-	0.3-
781130 675	0.1-	0.4+	920401 801	0.4-	0.4-	970309 689	0.1-	0.4+
781201 675	0.3+	0.4+	920504 809	(3.2+	0.6+)	970310 689	0.0	0.2+
860305 688	0.4-	0.3+	920504 809	0.0	0.3+			
860305 688	1.0+	2.1-	920504 809	(3.5-	0.0)			

(7624)* 1251 T-1 = 1995 UZ₆

Discovered 1971 Mar. 25 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Id. G. V. Williams (*MPC* 25970)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		
<i>M</i>	119.74375	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.18468143	ω 37.38178	+0.88647197	-0.46196473
<i>a</i>	3.0538936	Ω 350.01956	+0.37698202	+0.75530545
<i>e</i>	0.1040506	<i>i</i> 9.12857	+0.26842503	+0.46486801
<i>P</i>	5.34	<i>H</i> 12.7	<i>G</i> 0.15	<i>U</i> 1

Residuals in seconds of arc

710324 675	(2.4+	2.7-)	890731 675	1.9+	0.3-	951103 385	0.5-	0.1+
710325 675	0.7+	0.4-	920306 691	1.2-	0.0	951103 385	0.3-	0.3+
710325 675	0.7-	0.0	920306 691	1.1-	0.3-	970115 411	0.7+	0.7+
710326 675	1.5-	0.6+	920306 691	0.6-	0.0	970115 411	0.9+	1.7-
710327 675	1.3-	0.1-	940713 675	0.3+	1.5+	970212 689	1.8-	1.3+
710402 675	0.7-	0.0	940713 675	1.4-	0.3-	970304 704	(2.2+	0.0)
710416 675	0.5-	0.4-	951025 905	0.2+	0.4-	970305 704	0.8+	0.3+
710416 675	0.6+	0.7-	951025 905	0.4+	0.0	970305 704	1.5+	0.5+
710513 675	0.6+	0.9-	951027 905	0.5-	0.4-	970306 704	1.8+	0.2-
710514 675	1.7+	0.8-	951027 905	0.2-	1.3-			
890731 675	0.6+	0.8-	951103 385	0.2+	0.2-			

(7625)* 2150 T-2 = 1968 ON = 1987 RQ₃

Discovered 1973 Sept. 29 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Id. H. Kaneda (*MPC* 16037)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		
<i>M</i>	49.89619	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.21101166	ω 130.42191	+0.80354412	+0.59355008
<i>a</i>	2.7942488	Ω 193.37153	-0.58781079	+0.77936642
<i>e</i>	0.2401477	<i>i</i> 11.19266	-0.09378339	+0.20071442
<i>P</i>	4.67	<i>H</i> 13.7	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

680722 095	0.0	1.6-	730930 675	0.7+	0.5-	921021 675	0.4+	0.8+
730919 675	(0.1+	3.4+)	730930 675	0.2+	0.6-	921026 675	1.1+	0.3+
730919 675	(0.6-	4.6+)	731004 675	0.7+	1.2-	921026 675	0.8-	0.9+
730920 675	1.6-	1.6+	731004 675	1.1+	0.1+	960819 801	0.1-	0.6-
730924 675	(3.1-	2.1+)	731005 675	1.0+	0.6-	960819 801	1.0-	1.3+
730924 675	(3.0-	2.9+)	731005 675	0.7+	1.3-	960911 801	1.0+	0.0
730925 675	0.3+	0.0	870902 095	0.9-	0.0	960911 801	0.4-	1.9+
730925 675	1.7-	1.0-	870917 095	0.2+	0.5-	960915 801	1.1+	0.9+
730929 675	(0.5+	2.5+)	870926 095	(0.2+	7.3+)	960915 801	0.5-	1.1+
730929 675	(0.2+	3.3+)	921021 675	1.1-	1.4+			

1973 SS = 1996 RO₃₃

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		
<i>M</i>	263.17068	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.08414079	ω 17.49356	-0.42073335	-0.90547587
<i>a</i>	5.1578057	Ω 97.41701	+0.82547119	-0.40755886
<i>e</i>	0.0736388	<i>i</i> 3.21709	+0.37627219	-0.11836058
<i>P</i>	11.71	<i>H</i> 12.0	<i>G</i> 0.15	<i>U</i> 7

Residuals in seconds of arc

730919 675 (3.2+ 2.0-)	730925 675 (0.9+ 3.6+)	731004 675 2.2- 2.1+
730919 675 1.3- 0.6+	730929 675 1.1+ 1.2-	731005 675 1.7+ 2.5-
730920 675 0.3+ 1.2+	730929 675 1.2+ 1.4+	731005 675 0.7- 1.0+
730924 675 0.2- 1.0-	730930 675 0.6+ 2.1-	960915 809 0.0 0.4-
730924 675 (1.5+ 4.4+)	730930 675 0.6- 0.6+	960916 809 0.1+ 0.3+
730925 675 (2.4+ 3.3-)	731004 675 (4.3+ 2.0-)	

1973 SE₁ = 1992 GU₃Id. B. G. Marsden (*MPC* 20804)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	93.77866	ω 263.83279	+0.28257808 +0.95879857
<i>a</i>	5.1119033	Ω 22.64737	-0.84732951 +0.26378195
<i>e</i>	0.0426310	<i>i</i> 4.35490	-0.44964690 +0.10547216
<i>P</i>	11.56	<i>H</i> 11.0	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

730919 675 0.1+ 0.7-	730930 675 (1.7+ 2.8-)	731005 675 2.1- 1.6+
730919 675 0.9- 0.8+	730930 675 1.6+ 1.6+	920404 809 0.9+ 0.7+
730920 675 0.2- 0.1-	730930 675 1.0- 0.6-	920404 809 0.4- 0.2-
730924 675 0.7- 0.6-	730930 675 1.4+ 1.7+	920404 809 1.5- 0.6-
730924 675 0.6- 0.0	731004 675 1.5+ 1.6-	920406 809 0.0 0.5-
730925 675 (0.2+ 3.0-)	731004 675 0.9- 2.3+	920406 809 0.5+ 0.6+
730925 675 0.3- 0.1+	731004 675 0.8- 0.3-	920406 809 0.7+ 0.3+
730929 675 1.3- 0.7-	731004 675 0.6+ 1.6+	960913 809 0.4+ 1.1-
730929 675 2.3+ 1.6-	731005 675 0.5+ 2.0-	960914 809 0.4+ 0.4-
730929 675 0.3- 0.5-	731005 675 (1.1- 3.0+)	
730929 675 0.6+ 1.4+	731005 675 0.4- 0.6-	

1973 SN₁ = 1992 JA₅ = 1996 RC₃₃

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	203.15138	ω 69.03347	-0.98532400 -0.15489936
<i>a</i>	5.1544384	Ω 102.00094	+0.11622859 -0.91652395
<i>e</i>	0.0011147	<i>i</i> 4.20445	+0.12501013 -0.36876827
<i>P</i>	11.70	<i>H</i> 12.5	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

730919 675 0.1+ 2.0-	730929 675 0.7- 0.7+	920502 691 0.0 0.4+
730920 675 1.0+ 1.0+	730930 675 0.9- 0.0	920502 691 0.1- 0.1-
730924 675 0.3- 1.4-	730930 675 0.1+ 1.4+	920502 691 0.1+ 0.3-
730924 675 0.3- 0.4-	731004 675 0.5+ 0.2-	960915 809 1.3+ 0.2-
730925 675 0.1+ 1.3-	731004 675 (3.9+ 7.2+)	960916 809 0.7- 0.2+
730925 675 0.3+ 2.3+	731005 675 0.7+ 0.4+	960916 809 0.6- 0.3+
730929 675 0.2+ 0.7-	731005 675 0.6- 0.1-	

1973 SP₁ = 1986 VM₈ = 1996 RC₂₇

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	261.62507	ω 310.08864	-0.27916120 -0.95979574
<i>a</i>	5.2223453	Ω 156.07299	+0.90156111 -0.27249820
<i>e</i>	0.0569023	<i>i</i> 4.14933	+0.33053985 -0.06735631
<i>P</i>	11.93	<i>H</i> 10.5	<i>G</i> 0.15 <i>U</i> 5

Residuals in seconds of arc

730919 675 0.0 1.1-	730924 675 1.0- 0.8-	731004 675 0.1+ 0.1-
730919 675 0.7- 0.7+	730925 675 0.9- 0.7+	731005 675 1.5- 0.9+
730919 675 0.5- 1.0+	730925 675 1.2+ 0.9-	731005 675 1.0+ 0.6-
730919 675 0.1+ 0.1+	730925 675 0.2- 0.9+	861104 675 0.5- 0.1-
730920 675 0.2- 0.0	730929 675 0.6+ 0.6-	861104 675 0.5+ 0.0
730920 675 0.5- 0.7+	730929 675 1.2+ 0.1-	960910 809 0.3+ 0.1+
730924 675 0.9+ 0.6-	730929 675 0.1+ 0.1-	960912 809 0.2- 0.2-
730924 675 0.9- 0.7+	730930 675 0.2+ 0.2-	960912 809 0.4- 0.0
730924 675 0.7+ 0.2+	730930 675 0.0 0.5-	960913 809 0.3+ 0.1-

1976 GG₃ = 1973 WN = 1997 EA₄₆

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	282.60463	ω 237.81936	+0.11233144 +0.98101161
<i>a</i>	0.23063056	Ω 39.60342	-0.80759776 +0.18283713
<i>e</i>	2.6334484	<i>i</i> 14.36055	-0.57893653 -0.06470556
<i>P</i>	4.27	<i>H</i> 12.5	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

731122 033 0.4+ 0.6-	760405 095 0.8- 0.7+	970315 327 0.0 0.2+
760401 095 0.4- 0.8-	760502 095 1.2- 0.2+	970318 327 0.4- 0.1-
760402 095 0.8+ 0.2-	970315 327 0.2+ 0.5-	970318 327 0.2+ 0.5+
760404 095 1.2+ 0.6-	970315 327 0.2+ 0.2+	970318 327 0.1- 0.2-

1977 EL₁ = 1987 ET = 1997 EJ₁₅

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	58.70217	ω 132.63413	-0.65479180 -0.75580513
<i>a</i>	0.29538819	Ω 358.26392	+0.66691811 -0.57621453
<i>e</i>	2.2329241	<i>i</i> 4.75561	+0.35562331 -0.31102320
<i>P</i>	0.1623413	<i>H</i> 14.5	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

770313 095 0.6+ 1.1+	970304 691 0.3- 0.0	970408 691 0.1- 0.1-
770322 095 1.0+ 0.5-	970304 691 0.2- 0.1-	970408 691 0.2- 0.2-
770325 095 1.4- 0.0	970310 691 0.1+ 0.3-	970414 691 0.6- 0.3+
870303 688 0.6+ 0.5+	970310 691 0.2+ 0.3-	970414 691 0.2+ 0.0
870303 688 0.2- 0.0	970310 691 0.1+ 0.3-	970414 691 0.6+ 0.1-
970304 691 0.3- 0.0	970408 691 0.1- 0.0	

1979 QM₁ = 1987 GH₁Id. C. M. Bardwell (*MPC* 11996), S. Nakano (*ibid.*)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	225.64008	ω 145.42248	+0.93009733 +0.36729133
<i>a</i>	0.20252442	Ω 193.03066	-0.34088636 +0.85906781
<i>e</i>	2.8717797	<i>i</i> 1.01783	-0.13680445 +0.35651028
<i>P</i>	0.1195395	<i>H</i> 13.5	<i>G</i> 0.15 <i>U</i> 2

Residuals in seconds of arc

790822 809 0.2+ 0.6+	790830 809 0.0 0.9-	970402 691 1.0+ 0.5+
790822 809 0.1+ 0.6+	870401 675 0.4+ 0.1+	970408 691 0.1- 0.2+
790822 809 0.1+ 0.3+	870401 675 0.3+ 0.2+	970408 691 0.5- 0.5-
790823 809 0.3- 0.2-	870403 675 (3.9- 0.2+)	970408 691 0.4- 0.0
790823 809 1.1+ 0.2-	870403 675 1.1- 1.5-	970416 691 0.0 0.5-
790826 809 0.1+ 0.0	941101 691 0.5+ 0.2-	970416 691 0.2- 0.6-

790826 809 0.5- 0.5- 941101 691 0.1- 0.3- 970416 691 0.0 0.4-
 790826 809 1.1- 0.5- 941101 691 0.0 0.3-
 790830 809 0.7+ 0.1- 970402 691 0.1+ 0.7+

1980 FS₁ = 1997 GW₂₇

Epoch 1997 June 1.0 TT = JDT 2450600.5

Marsden

<i>M</i>	311.15278		(2000.0)	P	Q
<i>n</i>	0.28992243	ω	68.27355	-0.13023172	+0.99132663
<i>a</i>	2.2609008	Ω	194.27738	-0.93405555	-0.12863657
<i>e</i>	0.1448581	<i>i</i>	4.10199	-0.33253560	-0.02690982
<i>P</i>	3.40	<i>H</i>	15.0	<i>G</i> 0.15	<i>U</i> 6

Residuals in seconds of arc

800316 809 0.2- 0.5+ 800317 809 0.0 0.6+ 970414 684 1.1+ 0.6+
 800316 809 0.2+ 0.0 800317 809 0.4- 0.0 970414 684 0.1+ 0.3+
 800316 809 0.2- 0.1+ 800323 809 0.0 0.1- 970414 684 0.3- 0.3+
 800316 809 0.5+ 0.2- 970412 684 0.5- 0.0 970415 684 0.3- 0.3-
 800317 809 0.3+ 0.1- 970412 684 0.0 0.2- 970415 684 0.3- 0.4-
 800317 809 0.2- 0.9- 970412 684 0.2+ 0.2-

1981 DK = 1973 YC₂ = 1994 NK₉Id. H. Oishi (*JAM* 1952), L. D. Schmadel, E. Bowell (1989 observations),

G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	89.97480		(2000.0)	P	Q
<i>n</i>	0.17581467	ω	118.88643	+0.75422382	-0.63597501
<i>a</i>	3.1557262	Ω	281.09870	+0.52943046	+0.73616181
<i>e</i>	0.1689900	<i>i</i>	9.58207	+0.38839389	+0.23152014
<i>P</i>	5.61	<i>H</i>	12.5	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

731220 095 (1.3- 8.9+) 810312 413 1.2- 0.0 810503 413 0.7+ 0.6-
 810209 413 0.9- 0.4+ 810312 413 1.2+ 0.7- 890830 675 0.3- 0.3+
 810209 413 1.9+ 0.2+ 810407 413 0.9+ 0.1+ 890830 675 0.4+ 0.3-
 810228 413 1.5- 1.6+ 810408 413 0.4- 1.4+ 940708 809 0.9- 0.5+
 810228 413 (2.6+ 0.2-) 810408 413 1.0+ 0.1+ 940708 809 1.0+ 0.1+
 810306 413 1.2- 0.6- 810409 413 0.9- 1.3+ 940708 809 0.4- 0.1-
 810306 413 (0.0 3.5-) 810409 413 1.4+ 0.0 940709 809 0.1- 0.9+
 810308 413 0.9- 0.3+ 810502 413 1.0- 1.5- 940709 809 0.2- 0.6-
 810308 413 0.5+ 1.2- 810502 413 0.7+ 1.0- 940709 809 0.6+ 0.6-

1981 ES₁₂ = 1997 FW₂

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	85.15103		(2000.0)	P	Q
<i>n</i>	0.18639352	ω	262.61581	-0.26233461	-0.96027488
<i>a</i>	3.0351641	Ω	203.27843	+0.95279357	-0.24214188
<i>e</i>	0.1245854	<i>i</i>	13.93102	+0.15285601	-0.13870639
<i>P</i>	5.29	<i>H</i>	14.0	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

810209 413 0.4+ 0.2- 810406 413 (1.9- 4.1+) 970331 704 0.2- 0.4+
 810214 413 0.3- 0.1- 810406 413 1.0+ 0.4- 970403 704 0.6- 0.0
 810301 413 0.2- 0.9+ 810408 413 1.0- 0.3+ 970403 704 0.3- 0.2-
 810301 413 0.3+ 0.6- 810408 413 0.4+ 1.0- 970405 704 0.2+ 0.5+
 810306 413 0.9- 0.9+ 810409 413 1.1- 1.8+ 970405 704 0.9+ 0.2-
 810306 413 0.5- 0.5- 810409 413 0.7+ 0.8- 970406 704 0.4- 1.1-
 810308 413 0.2- 0.3+ 810501 413 1.0+ 0.2- 970406 704 1.2+ 1.4-

810308 413 1.0+ 1.0- 810503 413 0.4+ 0.8- 970407 704 0.2- 0.7+
 810312 413 1.2- 0.9+ 970331 704 0.3- 0.9+ 970407 704 0.3- 0.8+

1981 EL₁₃ = 1997 GD₁₁

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	214.98007		(2000.0)	P	Q
<i>n</i>	0.18735063	ω	154.02395	+0.99519171	+0.07616307
<i>a</i>	3.0248183	Ω	201.87272	-0.08932071	+0.96371221
<i>e</i>	0.1216336	<i>i</i>	9.51506	+0.04019035	+0.25584755
<i>P</i>	5.26	<i>H</i>	14.5	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

810212 413 1.0+ 0.9- 810409 413 0.7- 1.0+ 970403 704 0.3+ 0.2+
 810301 413 1.6- 0.9+ 810409 413 0.7+ 0.3+ 970405 704 0.1+ 0.5-
 810308 413 0.3- 0.4+ 810501 413 0.8- 0.3- 970405 704 0.2+ 0.1-
 810308 413 1.8+ 1.0- 810503 413 (2.0- 4.3+) 970407 704 0.5- 0.6-
 810312 413 0.0 0.2- 970403 704 0.1- 0.5+ 970407 704 0.1- 0.3+

1981 EV₁₄ = 1997 EC₄₃

Id. G. V. Williams, S. J. Bus (1979 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	327.27575		(2000.0)	P	Q
<i>n</i>	0.18124896	ω	277.24641	-0.78693357	+0.61313509
<i>a</i>	3.0923290	Ω	300.59568	-0.52959705	-0.72876964
<i>e</i>	0.1293332	<i>i</i>	4.61703	-0.31664259	-0.30489370
<i>P</i>	5.44	<i>H</i>	14.5	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

791220 675 1.5+ 1.5+ 810308 413 0.8+ 0.7+ 810409 413 1.6+ 0.8-
 791220 675 1.7- 2.2- 810312 413 1.3- 1.1+ 810501 413 1.0- 1.5-
 810212 413 0.6- 0.4- 810312 413 0.3+ 0.2+ 810503 413 0.4- 0.2-
 810212 413 0.7+ 0.9- 810406 413 0.7- 0.3+ 970310 704 0.4- 0.0
 810301 413 1.9+ 0.5- 810406 413 0.8+ 0.4- 970310 704 0.7+ 0.4+
 810306 413 0.2- 1.0+ 810408 413 0.5- 0.7- 970311 704 0.2- 0.1-
 810306 413 0.6- 0.6- 810408 413 0.6- 1.0+ 970311 704 0.3+ 0.5+
 810308 413 0.3- 0.1+ 810409 413 0.3- 0.4+

1981 EL₁₆ = 1997 EJ₄₀

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	216.12328		(2000.0)	P	Q
<i>n</i>	0.30145259	ω	344.10578	+0.75260155	+0.65635836
<i>a</i>	2.2028759	Ω	334.63278	-0.58992893	+0.63648526
<i>e</i>	0.1318910	<i>i</i>	7.07523	-0.29253164	+0.40506815
<i>P</i>	3.27	<i>H</i>	15.5	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

810212 413 0.1- 0.0 810308 413 1.6+ 1.3- 810412 413 1.4+ 1.3+
 810212 413 0.5+ 0.3- 810312 413 2.1+ 0.1+ 810429 413 0.8+ 1.3-
 810213 413 1.1- 0.1+ 810405 413 1.6- 0.1- 970305 704 0.2- 0.5+
 810306 413 (6.2- 2.3+) 810405 413 0.1- 0.1- 970305 704 0.2+ 0.4+
 810306 413 0.0 0.3- 810406 413 1.0- 1.0+ 970306 704 0.1- 1.0-
 810308 413 1.6- 0.3- 810412 413 0.9- 0.8+ 970306 704 0.1+ 0.4+

1981 EG₁₈ = 1996 XC₃₇

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Urata		P		Q	
<i>M</i>	144.17701	(2000.0)					
<i>n</i>	0.28965962	ω 324.81030	+0.65187731	+0.75805797			
<i>a</i>	2.2622681	Ω 345.83699	-0.67555900	+0.56848343			
<i>e</i>	0.0621278	<i>i</i> 4.71247	-0.34449383	+0.31964779			
<i>P</i>	3.40	<i>H</i> 14.5	<i>G</i> 0.15	<i>U</i> 5			

Residuals in seconds of arc

810202 413	0.1+	0.9-	810311 413	0.3+	0.7+	961202 385	0.4+	0.6+
810213 413	0.1+	0.4+	810311 413	2.1+	1.0-	961202 385	0.1-	0.3+
810302 413	1.5+	0.3-	810316 413	2.1-	0.2+	961202 385	0.7-	0.6-
810303 413	2.1-	0.9+	810329 413	(2.9-	0.8+)	961208 385	0.3+	0.0
810307 413	1.4-	0.9+	810411 413	0.4-	1.6-	961208 385	0.1+	0.3+
810307 413	1.8+	0.1-	810430 413	0.1+	0.6+	961208 385	0.0	0.7-

1981 EO₁₉

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		P		Q	
<i>M</i>	143.21954	(2000.0)					
<i>n</i>	0.19169569	ω 256.60372	+0.20231459	-0.97930961			
<i>a</i>	2.9789358	Ω 181.74415	+0.94710925	+0.19686224			
<i>e</i>	0.0754982	<i>i</i> 8.76225	+0.24910414	+0.04688231			
<i>P</i>	5.14	<i>H</i> 14.0	<i>G</i> 0.15	<i>U</i> 1			

Residuals in seconds of arc

531010 675	0.0	0.3-	810307 413	0.7-	0.8+	960124 691	0.3-	0.2+
531010 675	0.3-	0.8-	810307 413	(2.8+	1.7-)	960124 691	0.2-	0.3+
780901 675	0.7+	0.1+	810311 413	1.2+	1.0-	960124 691	0.3-	0.2+
780902 675	0.2-	0.0	810316 413	1.4-	1.3+	960417 327	0.4+	0.2-
810209 413	1.6+	0.3-	810316 413	1.1+	1.9-	960417 327	0.5+	0.2-
810213 413	0.1-	0.7-	810329 413	1.2-	0.7+	960417 327	0.1-	1.2-
810302 413	0.5+	1.7+	810329 413	(4.9-	4.0+)	970315 608	0.1-	0.6-
810302 413	(2.8+	2.5-)	810408 413	2.1+	1.4-	970315 608	0.9-	0.8-
810303 413	0.3-	0.6+	810411 413	0.8-	0.1-			
810303 413	0.5-	0.3+	810502 413	0.3-	0.8+			

1981 EQ₂₀ = 1997 ES₄₅

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		P		Q	
<i>M</i>	246.75319	(2000.0)					
<i>n</i>	0.24299311	ω 123.02211	+0.49873388	+0.86675204			
<i>a</i>	2.5433536	Ω 176.89139	-0.80887240	+0.46639194			
<i>e</i>	0.1204250	<i>i</i> 2.46200	-0.31143211	+0.17669032			
<i>P</i>	4.06	<i>H</i> 15.0	<i>G</i> 0.15	<i>U</i> 5			

Residuals in seconds of arc

810209 413	0.2-	0.9-	810311 413	0.4+	0.3-	970311 704	0.2-	0.2-
810213 413	0.3+	0.6+	810316 413	0.8-	0.4+	970311 704	0.1-	0.5+
810302 413	(2.7-	1.7+)	810329 413	0.0	0.1+	970312 704	0.4-	0.6-
810307 413	1.3-	1.7+	810329 413	0.8-	0.5+	970312 704	0.6+	0.0
810307 413	0.5+	0.4+	810502 413	0.2+	0.9-			
810311 413	2.0+	1.9-	810503 413	0.2-	0.4+			

1981 EW₃₀ = 1982 SF₁₂ = 1982 SS₁₂ = 1997 GP₁₅

Id. G. V. Williams, N. S. Chernykh (d)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		(2000.0)		P		Q	
<i>M</i>	238.79505						
<i>n</i>	0.31100866	ω 174.89507	+0.97064098	+0.24052023			
<i>a</i>	2.1575178	Ω 171.18651	-0.22125197	+0.89682083			
<i>e</i>	0.1734925	<i>i</i> 0.92476	-0.09435923	+0.37129829			
<i>P</i>	3.17	<i>H</i> 15.5	<i>G</i> 0.15	<i>U</i> 5			

Residuals in seconds of arc

810209 413	0.3+	0.2+	810315 413	0.6+	0.3+	970403 704	0.3+	0.8-
810213 413	0.6+	0.6+	810405 413	(6.8+	3.7-)	970405 704	0.1-	0.6+
810302 413	0.2+	0.6+	810426 413	0.5-	0.2+	970405 704	0.5+	0.4-
810302 413	1.3-	0.9-	810502 413	1.5+	0.8-	970406 704	0.6-	1.2+
810306 413	0.4-	0.9-	820916 095	0.8-	0.3+	970406 704	0.6-	0.3-
810311 413	1.1+	0.4-	820926 095	0.8+	0.2-	970407 704	0.3-	0.0
810315 413	1.8-	1.0+	970403 704	1.7+	0.7-	970407 704	0.9-	0.4+

1981 TK

Id. T. B. Spahr (1992 observations), C. W. Hergenrother (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		P		Q	
<i>M</i>	106.95487	(2000.0)					
<i>n</i>	0.27294139	ω 27.60771	+0.81499570	-0.57631068			
<i>a</i>	2.3537289	Ω 8.39995	+0.42553139	+0.52448241			
<i>e</i>	0.2480742	<i>i</i> 24.42222	+0.39332563	+0.62672498			
<i>P</i>	3.61	<i>H</i> 13.5	<i>G</i> 0.15	<i>U</i> 3			

Residuals in seconds of arc

810907 688	(4.0+	0.5-)	811023 046	1.5+	0.4-	921128 693	0.5+	0.8-
811006 046	1.5-	1.3+	811103 046	1.0+	0.2-	970330 696	0.2+	0.0
811006 046	1.6-	0.5-	811103 046	0.0	1.1+	970330 696	0.1+	0.1+
811007 046	0.6-	0.0	811229 801	1.6-	0.5+	970330 696	0.0	0.2+
811007 046	0.5+	1.2-	811230 801	0.5-	0.7+			
811023 046	1.2+	0.1-	921128 693	(3.5+	0.5-)			

1983 CQ₂ = 1951 EB = 1977 AN = 1994 EJ₂Id. G. V. Williams (*MPC* 23336, unpublished)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		P		Q	
<i>M</i>	234.79536	(2000.0)					
<i>n</i>	0.18455215	ω 277.60856	-0.93125125	-0.36437716			
<i>a</i>	3.0553196	Ω 241.02218	+0.33459465	-0.85444461			
<i>e</i>	0.1070822	<i>i</i> 0.04146	+0.14428285	-0.37034266			
<i>P</i>	5.34	<i>H</i> 12.5	<i>G</i> 0.15	<i>U</i> 2			

Residuals in seconds of arc

510306 024	0.2-	0.5+	830218 809	0.0	0.7-	940312 399	0.2-	0.5+
510313 024	1.1+	2.0+	830220 809	1.1+	0.8-	940314 675	1.5+	0.3+
770113 095	(3.3+	7.4+)	830220 809	1.0+	0.7-	940314 675	0.2-	0.1-
830214 809	1.0-	0.3-	830220 809	1.5+	0.6-	940403 675	0.3-	0.2-
830214 809	0.8-	0.9-	911005 691	0.7-	0.7+	940403 675	1.0-	0.1-
830214 809	0.4-	1.6-	911005 691	0.1-	0.5+	960910 566	0.7+	0.8-
830215 688	0.4+	2.3+	911005 691	0.3-	1.8-	960910 566	0.7+	0.4-
830215 688	0.8-	1.1+	940311 399	0.5-	0.2-	960910 566	1.0+	1.0-
830218 809	0.8-	0.5-	940311 399	0.3-	1.6-			
830218 809	0.4-	0.6-	940312 399	1.0-	0.5-			

1983 TU₁

Id. E. Bowell (1989, 1992, 1993, 1994 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

M		(2000.0)		P		Q		Williams	
<i>n</i>	0.26535583	ω	307.16569	+0.99175456	+0.06664673				
<i>a</i>	2.3983743	Ω	49.28847	-0.00597166	+0.87723551				
<i>e</i>	0.1166439	<i>i</i>	8.30273	-0.12801259	+0.47541147				
<i>P</i>	3.71	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	2		

Residuals in seconds of arc

831011 688	2.2-	1.0-	831109 675	0.0	0.2+	920205 675	0.8+	0.4+
831011 688	0.1+	1.3+	831109 675	1.6-	0.3-	920205 675	1.2-	0.2+
831012 688	0.2+	0.7-	890329 675	0.3+	0.6-	930521 675	1.7-	0.7-
831012 688	1.8+	0.1+	890329 675	0.2+	0.1-	940910 675	0.0	0.5+
831104 688	1.6+	1.3-	890509 675	0.6+	0.2-	940910 675	0.0	0.3+
831104 688	1.1+	0.7-	890509 675	0.3-	0.3-			

1984 UJ₁ = 1991 RO₃₀ = 1997 GC₂₀

Epoch 1997 June 1.0 TT = JDT 2450600.5

M		(2000.0)		P		Q		Williams	
<i>n</i>	0.27466476	ω	350.90296	+0.94067893	-0.33519594				
<i>a</i>	2.3438731	Ω	28.85424	+0.31775311	+0.81593390				
<i>e</i>	0.2410923	<i>i</i>	6.25757	+0.11897948	+0.47105790				
<i>P</i>	3.59	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	5		

Residuals in seconds of arc

841026 688	1.7+	0.1-	841030 046	0.3+	0.8-	970405 704	0.6+	0.1-
841026 688	1.4-	0.8-	841030 046	2.1+	0.2-	970405 704	1.3-	0.9-
841028 046	2.6-	0.9+	910914 675	0.1+	0.1-	970407 704	0.0	0.5+
841028 046	1.1-	2.6+	910914 675	0.3-	0.5+	970407 704	0.9+	0.8+
841029 046	1.0+	1.2-	910915 675	0.7+	0.2+			
841029 046	0.3-	0.2-	910915 675	0.5-	0.6-			

1987 CG = 1987 GY = 1997 FYId. D. W. E. Green (d, *MPC* 11982), S. Nakano (d, *ibid.*), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

M		(2000.0)		P		Q		Williams	
<i>n</i>	0.20210299	ω	265.39834	+0.01561605	+0.99987466				
<i>a</i>	2.8757705	Ω	5.49846	-0.90624528	+0.01525526				
<i>e</i>	0.0202588	<i>i</i>	1.55904	-0.42246375	+0.00423489				
<i>P</i>	4.88	<i>H</i>	12.0	<i>G</i>	0.15	<i>U</i>	5		

Residuals in seconds of arc

870202 809	1.3-	0.6+	870401 675	(4.4+	2.1+)	970328 327	0.2-	0.2-
870202 809	(3.4-	0.2-)	870401 675	(6.6+	0.9+)	970328 327	0.1+	0.2-
870202 809	0.1+	0.1-	870403 675	(3.1+	1.4+)	970330 327	0.5+	0.5-
870202 809	(8.9-	1.4+)	870403 675	2.3+	0.9+	970330 327	0.6+	0.8-
870202 809	(14.2-	0.4-)	970327 327	0.4-	0.3-	970330 327	0.5+	0.7-
870204 809	0.3-	0.3+	970327 327	0.1-	0.4-	970414 691	0.4-	1.2+
870204 809	0.3+	0.2-	970327 327	0.1+	0.3-	970414 691	0.6-	1.1+
870205 809	1.8-	0.0	970328 327	0.0	0.4-	970414 691	0.5-	1.1+
870205 809	0.9+	0.6-	970328 327	0.1-	0.4-			

1987 RL₁ = 1997 GC₇

Epoch 1997 June 1.0 TT = JDT 2450600.5

M		(2000.0)		P		Q		Williams	
<i>n</i>	0.28049567	ω	189.40890	+0.77198181	+0.63542422				
<i>a</i>	2.3112767	Ω	131.12603	-0.58173809	+0.71688004				
<i>e</i>	0.2362199	<i>i</i>	1.27321	-0.25617353	+0.28691300				
<i>P</i>	3.51	<i>H</i>	15.5	<i>G</i>	0.15	<i>U</i>	5		

Residuals in seconds of arc

870913 809	1.6-	1.1-	870918 809	0.2+	0.4+	871001 809	0.4-	0.4+
870913 809	0.2+	0.5-	870924 809	0.9-	0.1-	871001 809	0.3-	0.1+
870913 809	0.2+	0.6-	870924 809	0.3+	0.0	970402 704	0.5+	0.1+
870916 809	0.0	0.1+	870924 809	0.4+	0.0	970402 704	0.4-	0.7+
870916 809	0.2+	0.1-	870928 809	0.0	0.0	970406 704	0.2-	0.6-
870916 809	0.6+	0.3-	870928 809	0.2+	0.0	970406 704	0.7+	0.4-
870918 809	0.4+	1.0+	870928 809	0.3+	0.1-	970408 704	0.5-	0.5+
870918 809	0.4+	0.6+	871001 809	0.4-	0.5+	970408 704	0.1+	0.1+

1988 RC₇ = 1979 FY₁

Id. E. Bowell (1994 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

M		(2000.0)		P		Q		Williams	
<i>n</i>	0.26357023	ω	206.74099	+0.91362430	-0.40645391				
<i>a</i>	2.4091942	Ω	177.19177	+0.39859867	+0.89101387				
<i>e</i>	0.2214856	<i>i</i>	10.90182	+0.08006084	+0.20221154				
<i>P</i>	3.74	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	4		

Residuals in seconds of arc

790323 095	0.2-	0.9-	880914 809	0.6-	0.7+	880920 809	0.1+	0.4+
880905 675	0.7-	0.1+	880914 809	0.3-	0.7+	881007 675	0.2-	0.0
880907 675	0.3+	0.8-	880915 807	0.4+	0.1-	881007 675	0.5+	0.6-
880910 809	2.3-	1.7-	880916 675	1.8+	1.2+	881009 675	0.4+	0.9+
880910 809	2.0-	1.6-	880916 675	1.6+	1.0+	881009 675	0.3+	0.3+
880910 809	1.5-	1.6-	880919 809	0.3+	0.2+	940314 675	1.0+	0.4+
880911 675	0.6+	0.4-	880919 809	0.4+	0.4+	940314 675	0.9-	0.1-
880911 675	0.4+	0.2-	880919 809	0.5+	0.6+	940403 675	0.5+	1.9+
880914 807	0.6+	0.6-	880920 809	0.2-	0.9+	940403 675	0.0	0.1+
880914 809	0.6-	0.6+	880920 809	0.0	0.6+			

1988 XB₂ = 1997 EV₃₇

Epoch 1997 June 1.0 TT = JDT 2450600.5

M		(2000.0)		P		Q		Williams	
<i>n</i>	0.26678577	ω	14.97855	+0.98748504	-0.15761214				
<i>a</i>	2.3897966	Ω	354.08115	+0.13850418	+0.88373834				
<i>e</i>	0.1958397	<i>i</i>	3.13020	+0.07543133	+0.44064153				
<i>P</i>	3.69	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i>	5		

Residuals in seconds of arc

881201 888	(6.0+	5.2-)	881214 888	0.2+	0.1+	970203 566	0.3-	0.0
881201 888	(8.1+	0.1+)	881214 888	1.0+	1.0+	970203 566	0.2+	0.1-
881201 888	(4.7+	4.0-)	881215 888	0.5-	0.4+	970305 704	0.5+	0.7-
881207 888	0.7-	1.8-	881215 888	1.4-	0.8+	970305 704	1.4-	0.0
881207 888	0.0	1.6-	890103 888	(1.7-	3.6+)	970306 704	1.6+	0.3+
881211 888	1.4+	1.1+	890103 888	0.2-	0.0	970306 704	0.8-	0.5+
881211 888	0.2+	0.1+	970203 566	0.2+	0.0			

1989 BE₁ = 1980 VP₂ = 1991 RN₃₇ = 1993 CVId. S. Nakano (*MPC* 21789; unpublished)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Nakano		P		Q	
<i>M</i>	90.26888	(2000.0)					
<i>n</i>	0.25687760	ω	332.64951	+0.15845177	-0.98508154		
<i>a</i>	2.4508603	Ω	108.17012	+0.91831483	+0.12204777		
<i>e</i>	0.1575140	<i>i</i>	4.05194	+0.36275461	+0.12132068		
<i>P</i>	3.84	<i>H</i>	13.3	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

801111	330	0.3-	1.2+	890206	071	0.8+	1.3+	970301	411	0.7-	0.9-
890126	046	(3.0+	1.0-)	890206	071	1.0-	1.5+	970301	411	0.3-	0.8-
890126	046	0.0	0.4-	910915	675	0.8+	0.9-	970312	563	0.1+	0.6-
890127	046	0.4-	1.9-	910915	675	0.2-	1.4-	970312	563	0.1+	0.6+
890127	046	0.3+	2.0-	930212	372	1.8-	0.5-	970312	563	0.4-	0.1-
890205	071	0.5+	0.0	930213	372	1.4-	1.8+	970312	563	1.6+	1.0+
890205	071	(9.2+	1.1+)	930213	372	2.2+	1.2-				

1989 TF₁₄ = 1996 FL₂₃

Id. E. Bowell (1993 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		P		Q	
<i>M</i>	27.22854	(2000.0)					
<i>n</i>	0.23883506	ω	202.02944	+0.07184681	+0.99586741		
<i>a</i>	2.5727880	Ω	72.12559	-0.90618168	+0.08844493		
<i>e</i>	0.0769751	<i>i</i>	3.34628	-0.41674069	-0.02062980		
<i>P</i>	4.13	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

890902	675	1.2+	0.7+	891003	809	0.4-	0.3+	930921	675	0.6-	0.1-
890902	675	0.4+	0.1-	891003	809	0.1-	0.2+	960326	691	0.2-	0.2-
891002	809	0.8-	0.1+	891004	809	0.1-	0.8-	960326	691	0.1+	0.1+
891002	809	0.1-	0.2+	891004	809	0.1+	0.8-	960326	691	0.1+	0.1-
891002	809	0.3+	0.6+	891004	809	0.3+	0.9-				
891003	809	0.7-	0.3+	930921	675	0.5+	0.2+				

1989 YA₄ = 1997 CL₂₂

Id. G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Marsden		P		Q	
<i>M</i>	31.34267	(2000.0)					
<i>n</i>	0.28719183	ω	252.39695	-0.88992221	-0.45607703		
<i>a</i>	2.2752091	Ω	260.46848	+0.42062632	-0.81581050		
<i>e</i>	0.1400845	<i>i</i>	0.32969	+0.17638583	-0.35559382		
<i>P</i>	3.43	<i>H</i>	14.5	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

891230	413	1.9-	0.0	970215	684	0.0	0.1+	970304	691	1.1-	0.1+
891230	413	0.3+	0.2-	970215	684	0.1+	0.0	970311	684	0.2+	0.1-
891231	413	0.5+	0.4-	970216	684	0.1-	0.1-	970311	684	0.1+	0.0
891231	413	1.0+	0.7+	970216	684	0.0	0.1+	970330	684	0.0	0.2-
900125	385	0.4+	0.8+	970216	684	0.1-	0.0	970330	684	0.1+	0.1-
900125	385	0.3-	0.3-	970303	684	1.0+	0.4-	970408	684	0.0	0.4+
970214	684	0.1-	0.2-	970303	684	1.1+	0.4-	970408	684	0.0	0.4+
970214	684	0.0	0.2-	970303	684	1.1+	0.3-	970409	684	0.1+	0.3+
970214	684	0.1-	0.2-	970304	691	1.2-	0.2+	970409	684	0.1+	0.3+
970215	684	0.0	0.1+	970304	691	1.4-	0.0				

1990 AD = 1997 FL₁

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Nakano		P		Q	
<i>M</i>	163.58506	(2000.0)					
<i>n</i>	0.17677522	ω	303.12556	+0.68587234	-0.67535878		
<i>a</i>	3.1442842	Ω	100.99852	+0.72505008	+0.60229579		
<i>e</i>	0.2158425	<i>i</i>	16.02905	+0.06230185	+0.42559405		
<i>P</i>	5.58	<i>H</i>	11.4	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

900102	400	(4.4-	1.5-)	900118	886	0.3-	0.4-	970330	886	0.2-	0.9+
900102	400	(2.9-	1.8-)	900118	886	1.2+	0.3+	970331	886	1.1-	0.4-
900102	400	0.0	0.6+	900121	886	1.0+	0.3-	970331	886	0.5+	2.2-
900104	886	0.5+	0.5+	900121	886	0.6-	1.7-	970410	886	0.2+	0.3+
900104	886	0.1-	0.2-	900129	046	0.7+	1.0+	970410	886	0.0	0.1-
900114	886	0.0	0.2-	900129	046	1.1-	0.8+				
900114	886	1.1-	0.3-	970330	886	0.5+	1.5+				

1990 RT₂ = 1981 RT₇Id. G. V. Williams (*MPC* 19304)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		P		Q	
<i>M</i>	174.75260	(2000.0)					
<i>n</i>	0.22219864	ω	15.45161	+0.97672250	-0.21420066		
<i>a</i>	2.6996561	Ω	356.84881	+0.16801516	+0.79713903		
<i>e</i>	0.1715009	<i>i</i>	12.02797	+0.13335687	+0.56452409		
<i>P</i>	4.44	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

810903	675	0.5-	0.7+	900923	809	0.4+	0.2+	900928	809	0.8+	0.2-
810904	675	0.6-	0.9+	900923	809	0.6+	0.3+	901011	095	(3.9-	1.1+)
900915	675	(0.1+	3.0-)	900923	809	0.8+	0.2+	901015	095	(2.0-	3.9+)
900915	095	0.2+	1.0-	900923	095	2.0-	1.3+	901015	095	(3.3-	0.5-)
900915	095	0.3+	2.1-	900924	809	0.6+	0.4+	930415	675	0.0	1.3-
900917	675	1.4+	1.3-	900924	809	0.6+	0.5+	930415	675	0.9-	0.0
900917	675	0.2+	1.8-	900924	809	0.8+	0.7+	970407	566	0.0	0.4-
900919	675	1.1-	0.0	900928	809	0.2+	0.1-	970407	566	0.4-	0.5-
900919	675	1.9-	0.5-	900928	809	0.5+	0.0	970407	566	0.4-	0.5-

1990 SD₅ = 1989 EQ₇ = 1996 AV₁₄Id. K. Ichikawa (*MPC* 27711), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		P		Q	
<i>M</i>	20.78913	(2000.0)					
<i>n</i>	0.26403558	ω	213.99841	-0.34055840	+0.93962409		
<i>a</i>	2.4063627	Ω	36.12327	-0.84947984	-0.29219338		
<i>e</i>	0.1622500	<i>i</i>	3.26385	-0.40299376	-0.17812805		
<i>P</i>	3.73	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

890306	033	0.2-	1.5-	900915	809	(4.2-	1.7+)	900925	809	0.5+	0.3-
890306	033	0.8-	1.4-	900915	809	(3.8-	2.6+)	960112	691	0.0	0.1+
890307	675	0.4-	0.7+	900922	809	1.8+	0.4+	960112	691	0.1-	0.1-
890307	675	0.1-	1.5+	900922	809	1.4-	0.2+	960112	691	0.0	0.0
890329	675	0.1+	0.6+	900922	809	0.0	0.3-	960118	691	0.4-	0.1-
890329	675	1.2+	0.0	900925	809	0.3-	0.7+	960118	691	0.5+	0.2+
900915	809	(3.3-	2.3+)	900925	809	0.6-	0.8-	960118	691	0.0	0.1+

1990 SN₈

Id. T. Kobayashi (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

M		(2000.0)		P		Q	
<i>n</i>	0.22865845	ω	140.84840	-0.93350639	+0.35308328		
<i>a</i>	2.6485685	Ω	59.93474	-0.34442580	-0.83460000		
<i>e</i>	0.0390634	<i>i</i>	4.13692	-0.09968291	-0.42281798		
<i>P</i>	4.31	<i>H</i>	13.8	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

900914 809	0.8-	0.3-	900922 809	0.2-	0.2+	970304 411	1.2-	0.5+
900914 809	0.7+	0.0	900925 809	0.2+	0.7-	970305 411	1.0+	0.6-
900914 809	0.0	0.0	900925 809	0.5-	0.1+	970305 411	0.5-	0.5-
900922 809	0.1-	0.4+	900925 809	0.0	0.4-			
900922 809	0.7+	0.7+	970304 411	0.7+	0.7+			

1990 SX₁₀ = 1978 EZ₇ = 1992 CJ₈

Epoch 1997 June 1.0 TT = JDT 2450600.5

M		(2000.0)		P		Q	
<i>n</i>	0.27953841	ω	33.71306	+0.96246565	+0.26042544		
<i>a</i>	2.3165502	Ω	311.00011	-0.26596466	+0.84894711		
<i>e</i>	0.0803093	<i>i</i>	5.81082	-0.05406176	+0.45985583		
<i>P</i>	3.53	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

780305 095	1.1+	2.1+	900917 675	0.2-	0.1+	901012 413	(0.9-	3.3+)
900830 095	0.5+	0.4+	900919 675	0.1+	0.1+	920202 675	0.4-	1.7-
900831 095	1.6+	2.6+	900919 675	0.8+	1.6-	920203 675	0.6+	0.5+
900916 675	0.3+	0.3-	900920 675	0.5-	0.2-	920203 675	0.8-	0.2-
900916 675	0.1+	0.8-	900920 675	1.0-	0.5-			
900917 675	0.5-	0.3+	901012 413	1.5-	1.0+			

1990 UK = 1997 GV₂₃

Epoch 1997 June 1.0 TT = JDT 2450600.5

M		(2000.0)		P		Q	
<i>n</i>	0.23229203	ω	338.50976	+0.86155320	-0.46172021		
<i>a</i>	2.6208762	Ω	50.76444	+0.49638912	+0.67902941		
<i>e</i>	0.1105059	<i>i</i>	15.81161	+0.10641396	+0.57073068		
<i>P</i>	4.24	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

901020 385	0.5+	0.8-	901026 385	0.6-	0.9+	970406 704	0.2-	0.3-
901020 385	0.1-	0.0	901110 889	0.7-	1.0+	970406 704	0.0	0.0
901021 385	2.4+	1.1+	901110 889	1.2+	2.3-	970407 704	0.3-	0.3-
901021 385	1.1-	0.2-	901122 385	0.1-	0.2+	970407 704	0.4+	0.6+
901026 385	1.4-	0.2-	901122 385	0.1-	0.3+			

1990 UF₁

Id. E. Bowell (1993 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

M		(2000.0)		P		Q	
<i>n</i>	0.29740491	ω	286.23839	+0.96327208	+0.26012088		
<i>a</i>	2.2228183	Ω	58.72758	-0.20680809	+0.87699707		
<i>e</i>	0.1503824	<i>i</i>	4.47336	-0.17128137	+0.40399661		
<i>P</i>	3.31	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

901016 095	0.6-	0.8-	901112 809	0.3+	0.1+	901114 095	0.8+	0.6+
901016 095	0.2+	0.6-	901112 809	1.5-	0.2+	901120 809	0.8-	0.3+
901022 400	0.4-	1.7+	901113 400	1.7-	1.5+	901120 809	0.0	0.2+

901022 400	(0.4+	2.9+)	901113 400	(5.1-	4.6+)	901120 809	0.7+	0.1+
901023 095	0.8-	0.5-	901114 809	0.5+	0.9-	930721 675	0.1-	0.7-
901024 400	1.7+	0.7+	901114 809	1.7+	1.2-	930721 675	0.2+	0.1-
901024 400	(2.3+	1.5+)	901114 809	1.4+	0.7-	930817 675	0.1-	0.5+
901112 809	0.0	0.2-	901114 095	1.5-	0.7-	930817 675	0.1+	0.2+

1990 UU₁ = 1997 GB₃₂

Epoch 1997 June 1.0 TT = JDT 2450600.5

M		(2000.0)		P		Q	
<i>n</i>	0.24171652	ω	174.57696	+0.99196535	-0.11596330		
<i>a</i>	2.5523006	Ω	192.42837	+0.10543519	+0.97870674		
<i>e</i>	0.1772117	<i>i</i>	13.58965	+0.06991535	+0.16936830		
<i>P</i>	4.08	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

901020 413	0.2-	0.5+	901115 809	0.8+	0.6+	970415 327	0.2-	0.1-
901020 413	1.0+	0.2+	901117 809	0.3+	0.6+	970415 327	0.5+	0.2+
901027 413	2.1-	0.0	901117 809	0.6-	0.6+	970416 327	0.2+	0.0
901111 809	1.2+	1.8-	901117 809	2.2-	1.3-	970416 327	0.2-	0.3+
901111 809	0.8+	1.6-	901119 809	0.4+	1.2+	970416 327	0.2-	0.1+
901111 809	0.4+	0.3-	901119 809	0.6+	0.4+	970416 327	0.1+	0.0
901115 809	0.0	0.8+	901119 809	1.1-	0.7-			
901115 809	0.6+	0.8+	970415 327	0.1-	0.4-			

1990 UG₄ = 1988 BV₄

Id. H. Kaneda (MPC 17965)

Epoch 1997 June 1.0 TT = JDT 2450600.5

M		(2000.0)		P		Q	
<i>n</i>	0.23806313	ω	80.80062	+0.09016369	+0.99406687		
<i>a</i>	2.5783465	Ω	194.79029	-0.98146662	+0.07831633		
<i>e</i>	0.1610682	<i>i</i>	13.78782	-0.16909694	+0.07548257		
<i>P</i>	4.14	<i>H</i>	13.8	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

880126 413	0.5-	0.3+	901016 809	0.6-	0.1+	901024 809	0.4+	0.2-
880126 413	1.1+	0.1-	901020 809	0.7-	0.1+	970401 358	0.5+	0.0
880127 413	0.6-	0.2-	901020 809	0.4+	0.2-	970401 358	0.0	0.2-
880127 413	(4.5-	1.0+)	901020 809	0.2+	0.4-	970408 358	1.4-	0.4+
901016 809	0.3-	1.0+	901024 809	0.5+	0.7+	970408 358	0.8+	0.1-
901016 809	0.1-	0.6-	901024 809	0.2+	0.3-			

1990 WZ = 1997 GT₁₆

Epoch 1997 June 1.0 TT = JDT 2450600.5

M		(2000.0)		P		Q	
<i>n</i>	0.21144837	ω	246.43120	+0.22583285	-0.97374597		
<i>a</i>	2.7904001	Ω	190.63714	+0.94072955	+0.22561487		
<i>e</i>	0.0578852	<i>i</i>	8.91517	+0.25303642	+0.03027729		
<i>P</i>	4.66	<i>H</i>	14.5	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

901111 809	0.5-	0.0	901118 809	0.2+	0.4-	970403 704	0.6-	0.5-
901111 809	0.1+	0.4+	901120 809	0.5-	0.0	970405 704	0.4+	0.1+
901111 809	0.4+	0.1+	901120 809	0.6-	0.5-	970405 704	0.5+	0.2+
901118 809	1.0+	0.1-	901120 809	0.2-	0.3-	970407 704	0.4-	0.3+
901118 809	0.2+	0.7+	970403 704	0.3+	0.2-	970407 704	0.2-	0.2+

1991 BH₁ = 1992 GP₃ = 1994 TR₁₆ = 1997 EE₁₈

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams					
		(2000.0)		P		Q	
<i>M</i>	333.12993						
<i>n</i>	0.18338103	ω	101.94128	-0.69976414	+0.71432447		
<i>a</i>	3.0683138	Ω	123.64730	-0.65929330	-0.64123324		
<i>e</i>	0.1269324	<i>i</i>	0.57871	-0.27506816	-0.28028643		
<i>P</i>	5.37	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc

910116 675	2.0+	0.7-	920406 809	2.2-	0.3+	970310 610	0.2+	0.4+
910116 675	1.1+	0.0	920406 809	1.4-	0.5-	970310 610	0.0	0.3+
910118 511	1.9+	1.5-	920425 809	1.1+	0.6-	970310 610	0.7-	0.1-
910118 511	0.9+	0.2-	920425 809	1.0+	0.8-	970310 610	0.1-	0.3+
910119 511	1.6-	0.8-	920425 809	1.3+	1.0-	970310 610	0.3-	0.3+
910119 511	(3.9-	0.7+)	941005 033	1.5+	0.4-	970310 610	0.4-	0.2+
910120 511	2.4-	0.9+	941006 033	0.1-	0.2-	970311 610	0.1+	0.1-
910120 511	2.3-	0.4+	941007 033	0.5+	0.3+	970311 610	0.4+	0.3+
920404 809	1.1+	0.7+	941010 033	0.4+	0.2-	970311 610	0.9+	0.8+
920404 809	0.4+	0.3+	941012 691	0.7-	0.8+	970312 610	0.3+	0.1+
920404 809	0.0	0.2+	941012 691	1.1-	0.3+	970312 610	0.2+	0.1+
920406 809	1.9-	0.0	941012 691	0.9-	0.4+	970312 610	0.3+	0.1+

1991 CU = 1981 UQ₁₅

Id. E. Bowell (1993 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams					
		(2000.0)		P		Q	
<i>M</i>	317.05964						
<i>n</i>	0.23738417	ω	214.25455	+0.99062256	+0.08118195		
<i>a</i>	2.5832605	Ω	140.63302	-0.04900375	+0.96192872		
<i>e</i>	0.0946148	<i>i</i>	9.97710	-0.12753657	+0.26096479		
<i>P</i>	4.15	<i>H</i>	12.5	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

811023 095	0.2+	0.6-	910209 675	0.4+	0.5-	910211 675	1.0-	0.3+
910122 675	0.0	1.2+	910209 675	0.1-	0.1+	910221 413	1.2+	0.1+
910122 675	0.1-	0.7+	910209 413	0.3-	0.5-	930921 675	0.2+	0.4+
910207 413	0.5+	0.2-	910210 413	0.6+	0.1+	930921 675	0.4-	0.2+
910207 413	0.3-	0.0	910211 675	0.9-	0.7-			

1991 DK₁ = 1996 RN₂₈

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams					
		(2000.0)		P		Q	
<i>M</i>	149.68326						
<i>n</i>	0.08322253	ω	179.67912	-0.87502225	+0.48076574		
<i>a</i>	5.1956767	Ω	29.27109	-0.44439455	-0.75143601		
<i>e</i>	0.0382727	<i>i</i>	6.64414	-0.19196237	-0.45189404		
<i>P</i>	11.84	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

910221 691	0.0	1.2-	910310 691	0.1+	0.5+	960911 809	0.1+	0.2+
910221 691	1.3-	0.6-	910310 691	0.3+	0.5+	960912 809	0.3-	0.3+
910221 691	1.2+	0.1+	910310 691	0.1+	0.3+	960912 809	0.1-	0.5+
910222 691	0.0	0.4+	910418 691	0.5+	0.1+	960914 809	0.8+	0.4+
910222 691	0.2-	0.2+	910418 691	0.2+	0.0	960914 809	0.3-	0.7-
910222 691	0.2-	0.2+	910418 691	0.8-	0.6-	960914 809	0.3-	0.7-

1991 EM₁

Id. E. Bowell (1950, 1988 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams					
		(2000.0)		P		Q	
<i>M</i>	263.47326						
<i>n</i>	0.19181610	ω	193.14637	+0.99874907	+0.01557583		
<i>a</i>	2.9776890	Ω	165.70366	-0.00478389	+0.97565224		
<i>e</i>	0.1223005	<i>i</i>	11.09392	-0.04977356	+0.21876951		
<i>P</i>	5.14	<i>H</i>	12.5	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

500510 675	0.6-	0.5-	910313 801	0.1-	0.3+	910318 801	0.0	0.1-
500510 675	0.6+	0.6+	910313 801	0.0	0.5+	910318 801	0.1+	0.6-
881009 675	0.1-	0.2-	910316 801	0.0	0.3-	910414 801	0.4+	0.2-
881009 675	0.1+	0.3+	910316 801	0.2-	0.6-	910414 801	0.2+	0.3+
910313 801	0.3-	0.7+	910317 801	0.3+	0.3-	910511 801	0.1-	0.3+
910313 801	0.2-	0.9+	910317 801	0.1+	0.7-	910511 801	0.3-	0.1-

1991 EA₄ = 1997 GS₃

Id. S. Nakano

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams					
		(2000.0)		P		Q	
<i>M</i>	85.83209						
<i>n</i>	0.17988201	ω	121.36533	-0.24894167	-0.96851365		
<i>a</i>	3.1079753	Ω	343.04876	+0.88499929	-0.22619112		
<i>e</i>	0.1525822	<i>i</i>	0.60073	+0.39345178	-0.10401384		
<i>P</i>	5.48	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	6

Residuals in seconds of arc

910222 511	0.1+	0.2-	910315 809	0.5+	0.1-	970403 704	0.1+	0.3+
910312 809	1.2-	0.5+	910315 809	0.6+	0.0	970403 400	0.6-	0.5-
910312 809	0.4-	0.0	970402 400	0.8-	1.0+	970403 400	0.1-	0.2+
910312 809	0.2+	0.0	970402 400	0.3-	0.8-	970411 704	0.0	0.4+
910315 809	0.2+	0.2-	970403 704	1.3+	0.3+	970411 704	0.5+	0.9-

1991 FJ₂

Id. E. Bowell (1949, 1988 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams					
		(2000.0)		P		Q	
<i>M</i>	295.69321						
<i>n</i>	0.29347644	ω	356.69116	-0.99806546	+0.06186158		
<i>a</i>	2.2426107	Ω	186.86475	-0.05578376	-0.93509947		
<i>e</i>	0.0938598	<i>i</i>	2.97485	-0.02745006	-0.34894430		
<i>P</i>	3.36	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

491119 675	0.1+	0.6-	910312 675	0.6+	0.5-	910322 809	0.1-	0.1-
491119 675	0.1+	0.6-	910320 809	0.5-	0.2-	910322 809	0.0	0.1-
880510 675	0.2+	0.3-	910320 809	0.2+	0.1-	910322 809	0.1+	0.1+
880510 675	0.4-	0.9-	910320 809	1.1+	0.4-	910415 675	1.1-	0.2+
910309 675	0.5-	0.4-	910321 809	0.6-	0.5+	910415 675	0.2+	0.1+
910309 675	0.1+	0.5+	910321 809	0.2-	0.9+			
910312 675	0.3+	1.4-	910321 809	0.3+	0.8+			

1991 PJ₁₃ = 1991 RT₃₄ = 1997 GE₁₄

Id. S. Nakano (d, MPC 22572), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams					
		(2000.0)		P		Q	
<i>M</i>	270.92397						
<i>n</i>	0.29411764	ω	344.70116	+0.74595148	+0.66567955		
<i>a</i>	2.2393501	Ω	333.52885	-0.60607401	+0.66563980		
<i>e</i>	0.1537245	<i>i</i>	2.65746	-0.27609905	+0.33733425		
<i>P</i>	3.35	<i>H</i>	15.5	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

910805 675	0.8+	0.2-	910912 675	(2.6+	4.0-)	970406 704	0.1-	0.9-
910808 675	0.1-	0.1+	910912 675	0.1+	0.5+	970406 704	0.3+	1.6-
910808 675	0.5-	0.1-	970403 704	0.1-	0.5+	970407 704	1.3+	0.4+
910905 691	0.1-	0.5-	970403 704	1.2-	0.2-	970407 704	0.2+	0.8+
910905 691	0.0	0.3+	970405 704	0.8-	1.0+			
910905 691	0.3-	0.1-	970405 704	0.5+	0.1+			

1991 PM₁₃ = 1977 QO = 1984 QU₁ = 1997 EC₃₄

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams					
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>				
<i>n</i>	0.28185818	ω	278.79923	+0.11275805	+0.99361829		
<i>a</i>	2.3038222	Ω	357.66926	-0.88146998	+0.09869022		
<i>e</i>	0.2054799	<i>i</i>	4.06832	-0.45858075	+0.05461633		
<i>P</i>	3.50	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

770818 095	1.0+	2.0-	910808 675	0.5-	0.2+	970304 704	1.1+	0.6+
840826 808	(1.5-	15.5+)	910808 675	0.8-	0.7+	970304 704	0.2-	0.2+
840826 808	(2.1-	4.5+)	910907 399	0.3+	1.7-	970305 704	0.7-	0.6+
840901 808	(0.3+	13.9+)	910907 399	0.3-	1.9+	970305 704	1.1+	0.6+
840901 808	(0.0	11.4+)	910912 675	0.2+	0.5+	970306 704	0.1+	0.2-
910805 675	1.3-	1.1+	910912 675	0.9+	0.3+	970306 704	0.9-	0.4-

1991 PM₁₆ = 1991 RU = 1997 FP₁

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams					
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>				
<i>n</i>	0.28960520	ω	142.93139	+0.48589538	+0.85972304		
<i>a</i>	2.2625515	Ω	154.94733	-0.86422754	+0.49947769		
<i>e</i>	0.2352540	<i>i</i>	21.82430	-0.13044709	-0.10676296		
<i>P</i>	3.40	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

910807 675	1.2+	0.3+	970206 691	0.1-	0.4-	970401 132	0.6+	0.8-
910808 675	0.2+	0.2-	970206 691	0.3+	0.4-	970402 132	0.8+	0.2+
910905 675	1.3+	1.6-	970331 132	0.9+	0.4+	970402 132	(6.9+	0.6-)
910905 675	0.1-	0.6+	970331 132	0.4-	0.5-	970405 124	1.2-	0.2-
910908 675	0.6-	0.5-	970331 132	(3.1+	0.2-)	970405 124	2.1-	0.0
910908 675	1.6-	0.1-	970401 132	1.0+	0.4-			
970206 691	0.0	0.2-	970401 132	(4.1+	0.4+)			

1991 PR₁₆ = 1997 GG

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams					
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>				
<i>n</i>	0.28778110	ω	187.66238	+0.83007261	+0.55741195		
<i>a</i>	2.2721023	Ω	138.44662	-0.51031253	+0.77118252		
<i>e</i>	0.1954069	<i>i</i>	1.42309	-0.22485679	+0.30752145		
<i>P</i>	3.42	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

910807 675	0.5+	0.0	910916 675	0.2+	0.1-	970404 566	0.0	0.0
910808 675	0.5-	0.1+	910916 675	0.4+	0.0	970405 566	0.1-	0.1-
910913 675	0.6+	0.2-	970404 566	0.1-	0.0	970405 566	0.4+	0.3+
910913 675	1.1-	0.1+	970404 566	0.3-	0.1+	970405 566	0.1+	0.3-

1991 PY₁₈ = 1995 UA₄ = 1997 BL₉

Id. T. Kobayashi, G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams					
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>				
<i>n</i>	0.26710455	ω	26.32477	+0.98333503	+0.17792860		
<i>a</i>	2.3878948	Ω	323.36509	-0.17588278	+0.87907043		
<i>e</i>	0.2088365	<i>i</i>	3.58685	-0.04601586	+0.44224042		
<i>P</i>	3.69	<i>H</i>	15.5	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

910807 809	1.0-	0.5+	910912 675	0.4+	0.5-	970117 599	0.9+	0.1+
910807 809	(2.9-	0.3-)	951020 358	0.8+	0.1+	970118 599	1.2+	0.1-
910807 809	(3.7-	0.6-)	951020 358	0.0	0.6+	970118 599	0.3+	0.0
910810 675	0.2-	0.7-	951022 358	(0.3+	3.4+)	970315 691	1.3-	0.8-
910810 675	0.1-	0.3-	951022 358	0.7-	1.1-	970315 691	1.0-	1.1-
910912 675	1.6+	0.6-	970117 599	0.4+	0.5+	970315 691	1.2-	1.0-

1991 RU₈ = 1997 EW₃₅

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams					
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>				
<i>n</i>	0.26556297	ω	299.81226	+0.55709376	+0.83044629		
<i>a</i>	2.3971270	Ω	4.04512	-0.74999015	+0.50432932		
<i>e</i>	0.1938428	<i>i</i>	1.90495	-0.35659685	+0.23666621		
<i>P</i>	3.71	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

910911 675	0.9+	0.1-	910917 675	0.8-	0.7-	970304 704	0.0	0.1+
910911 675	0.6+	0.0	911006 691	0.4+	0.0	970305 704	0.5+	0.3-
910914 675	0.6+	0.5+	911006 691	0.2+	0.2+	970305 704	0.3+	0.6+
910914 675	0.3-	1.0+	911006 691	0.1+	0.0	970306 704	0.2-	0.7+
910917 675	1.8-	0.9-	970304 704	0.1-	1.1-	970306 704	0.4-	0.1+

1991 RE₂₅ = 1997 CJ₄

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Nakano					
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>				
<i>n</i>	0.24067772	ω	251.01046	+0.87826439	-0.47054872		
<i>a</i>	2.5596394	Ω	136.94711	+0.47205759	+0.82483502		
<i>e</i>	0.2296843	<i>i</i>	7.15774	+0.07624491	+0.31341841		
<i>P</i>	4.10	<i>H</i>	14.5	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

910911 675	0.7+	1.0-	970203 411	1.5+	0.8-	970212 411	0.5-	0.2+
910911 675	0.0	0.8-	970204 566	0.2-	0.4+	970212 411	1.0-	0.3-
910913 675	0.5+	0.1+	970204 566	0.2+	0.3+	970302 411	0.2-	0.1-
910915 675	0.8-	0.9+	970204 566	0.1+	0.0	970302 411	0.3-	0.1-
910915 675	0.4-	0.7+	970206 411	0.7+	0.4+			
970203 411	0.3-	1.2-	970206 411	0.1-	1.0+			

1991 RK₂₆ = 1997 GU₁₈

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams					
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>				
<i>n</i>	0.28795345	ω	296.90188	+0.73894195	+0.67225420		
<i>a</i>	2.2711956	Ω	20.95698	-0.56469374	+0.65448282		
<i>e</i>	0.1949873	<i>i</i>	7.25306	-0.36754016	+0.34601520		
<i>P</i>	3.42	<i>H</i>	15.5	<i>G</i>	0.15	<i>U</i>	6

Residuals in seconds of arc

910911 675	0.0	0.7+	910913 675	0.8+	0.2-	970403 704	0.8-	0.2+
910911 675	0.1+	0.0	910913 675	0.4-	0.0	970403 704	0.6-	0.1+

910913 675 0.1- 0.5- 910915 675 0.2+ 0.1+ 970405 704 0.7+ 0.7-
 910913 675 0.3- 0.7+ 910915 675 0.3- 0.9- 970405 704 0.6+ 0.2+

1991 SG = 1977 CM₁ = 1989 EO₇

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams			
<i>M</i>	7.03485	(2000.0)		P	Q		
<i>n</i>	0.17474658	ω	187.02212	+0.96367964	+0.25896434		
<i>a</i>	3.1685721	Ω	157.63702	-0.23592593	+0.94002820		
<i>e</i>	0.0883823	<i>i</i>	9.87658	-0.12514195	+0.22200101		
<i>P</i>	5.64	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

770211 675 0.2- 0.6- 910808 675 0.6+ 0.0 910916 675 0.2+ 0.8-
 770212 675 0.1+ 0.4- 910911 675 0.0 0.2+ 910916 675 0.2- 0.2-
 890306 033 0.3- 0.7- 910911 675 0.0 1.1- 910929 413 1.4+ 1.3+
 890306 033 0.1- 0.6- 910912 675 0.4+ 0.3- 910930 413 0.7- 0.4-
 910808 675 0.0 0.0 910912 675 0.9- 0.9- 910930 413 0.2- 0.2+

1991 SC₁ = 1981 SH₈ = 1996 QE₂

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams			
<i>M</i>	43.19914	(2000.0)		P	Q		
<i>n</i>	0.18739286	ω	289.89150	+0.87710337	+0.46437385		
<i>a</i>	3.0243638	Ω	42.68481	-0.34441863	+0.78610573		
<i>e</i>	0.0924720	<i>i</i>	10.42398	-0.33476184	+0.40791508		
<i>P</i>	5.26	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

810924 033 0.0 0.3+ 911001 413 1.4- 0.4+ 911012 413 0.4- 0.6-
 810924 033 0.2+ 0.7- 911002 413 0.7- 0.1+ 911013 675 1.3+ 0.0
 910905 413 0.3- 0.3- 911002 413 0.4+ 0.1- 911013 675 0.3- 1.8-
 910905 413 0.1- 0.2- 911005 413 1.0- 0.3+ 960820 566 0.1+ 0.2-
 910914 675 0.7- 0.5+ 911009 413 2.0- 0.5- 960820 566 0.2+ 0.1-
 910914 675 0.2- 0.5+ 911011 675 1.8+ 0.8+ 960820 566 0.0 0.2-
 910930 413 2.1+ 0.0 911011 675 1.3+ 1.6+

1991 UE₂ = 1987 UN₉ = 1997 ED

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Nakano			
<i>M</i>	78.15916	(2000.0)		P	Q		
<i>n</i>	0.24090402	ω	52.96431	-0.17621011	-0.98322682		
<i>a</i>	2.5580362	Ω	47.25492	+0.88155591	-0.17890057		
<i>e</i>	0.0887105	<i>i</i>	3.67441	+0.43796024	-0.03549101		
<i>P</i>	4.09	<i>H</i>	13.1	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

871028 095 0.3+ 1.1- 911109 399 0.1- 0.5+ 970302 411 0.4- 0.4+
 911029 399 0.8+ 0.6+ 911109 399 0.6- 1.6+ 970307 411 1.3+ 1.5-
 911029 399 0.0 1.1- 970301 411 0.8- 1.8+ 970307 411 0.0 0.8-
 911031 399 0.4- 0.2- 970301 411 1.0- 0.3+ 970312 411 0.2+ 0.4-
 911031 399 0.1- 0.4- 970302 411 0.2- 0.5+ 970312 411 0.9+ 0.3-

1991 VQ₁

Id. E. Bowell (1993 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams			
<i>M</i>	242.45521	(2000.0)		P	Q		
<i>n</i>	0.28620975	ω	297.57387	+0.97948285	-0.16076125		
<i>a</i>	2.2804109	Ω	71.88692	+0.19796888	+0.88037550		
<i>e</i>	0.2072329	<i>i</i>	7.34623	-0.03770516	+0.44620040		
<i>P</i>	3.44	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

911104 399 0.0 0.7- 911110 894 1.2+ 0.0 911207 399 0.1- 0.9-
 911104 399 0.2- 0.9- 911110 894 1.5+ 0.0 911207 399 0.8- 1.0-
 911104 894 1.1+ 0.7- 911111 399 0.3- 1.1+ 930323 675 0.1+ 0.4+
 911104 894 0.3- 0.1- 911111 399 0.8- 1.7+ 930323 675 0.6- 0.7+
 911105 399 0.0 0.5+ 911203 894 1.1- 1.0+ 930414 675 0.4+ 0.1+
 911105 399 1.6- 0.7+ 911203 894 0.7+ 0.8- 930414 675 0.0 1.8-
 911105 894 1.3+ 1.1- 911204 399 0.3- 0.5+
 911105 894 0.4- 0.8- 911204 399 0.1+ 1.2+

1991 VH₆ = 1997 EA₆

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams			
<i>M</i>	194.57060	(2000.0)		P	Q		
<i>n</i>	0.25298686	ω	187.64167	+0.99983359	+0.00008173		
<i>a</i>	2.4759246	Ω	172.28295	+0.00485811	+0.96268660		
<i>e</i>	0.1566657	<i>i</i>	7.80797	-0.01758397	+0.27061875		
<i>P</i>	3.90	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

911106 809 0.7- 1.7- 911112 809 0.7- 0.3+ 970307 120 0.8- 0.7-
 911106 809 0.3- 1.0- 911112 809 0.8- 1.1+ 970307 120 0.8+ 0.7-
 911106 809 1.5+ 0.8- 970304 120 2.2- 0.8+ 970318 599 0.1+ 0.9-
 911107 675 (3.6+ 0.6+) 970304 120 0.6+ 0.9+ 970318 599 0.0 0.7-
 911107 675 1.3+ 0.1- 970304 120 0.4+ 0.1- 970407 566 1.3+ 0.5-
 911109 809 0.9- 0.8+ 970306 120 0.9- 0.6- 970407 566 0.4+ 0.1+
 911109 809 0.6- 1.5- 970306 120 0.2+ 1.2+ 970407 566 0.6- 0.5+
 911109 675 1.7+ 2.1+ 970307 120 0.3- 0.2-
 911112 809 0.2- 0.8+ 970307 120 1.0+ 0.8+

1991 VP₁₂ = 1997 ES₁

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams			
<i>M</i>	227.81250	(2000.0)		P	Q		
<i>n</i>	0.24228542	ω	239.11207	+0.67433759	+0.73267391		
<i>a</i>	2.5483038	Ω	73.58559	-0.64054390	+0.64236257		
<i>e</i>	0.1246950	<i>i</i>	5.50160	-0.36738580	+0.22485391		
<i>P</i>	4.07	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

911111 691 1.2+ 0.2- 970303 046 0.2- 0.6- 970309 046 0.6- 0.4-
 911111 691 0.7+ 0.6- 970303 046 0.7- 0.8- 970309 046 1.0- 0.4-
 911111 691 0.2- 0.6+ 970303 046 0.0 0.8+ 970312 046 0.6- 0.3+
 911214 691 0.8+ 0.1- 970303 046 0.1+ 0.4- 970312 046 0.2+ 0.1-
 911214 691 0.3+ 0.3+ 970305 046 0.1- 0.1- 970312 046 0.5- 0.3+
 911214 691 0.3+ 0.1- 970305 046 0.6+ 0.4- 970401 046 0.2+ 0.9+
 920101 691 1.0- 0.1+ 970305 046 0.4+ 0.4+ 970401 046 0.5+ 0.6+
 920101 691 1.1- 0.0 970307 046 0.2- 0.1+ 970401 046 0.7+ 0.6+
 920101 691 1.3- 0.1+ 970307 046 0.2+ 0.0 970402 046 1.2+ 0.5-
 970303 046 0.6- 0.0 970307 046 0.2+ 0.4- 970402 046 1.2+ 0.4-
 970303 046 0.4- 0.1+ 970309 046 0.1+ 0.2+ 970402 046 0.3- 0.2+

1992 DY₇ = 1997 GB₂₂

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams	
<i>M</i>	331.82304	(2000.0)		<i>P</i>	<i>Q</i>
<i>n</i>	0.22005993	ω	182.24952	-0.21243947	+0.97577329
<i>a</i>	2.7171195	Ω	75.48839	-0.89569413	-0.17304756
<i>e</i>	0.0302274	<i>i</i>	3.09720	-0.39064243	-0.13386943
<i>P</i>	4.48	<i>H</i>	14.0	<i>G</i>	0.15
				<i>U</i>	6

Residuals in seconds of arc

920229	809	0.1+	0.8-	920406	809	0.1+	0.1+	970408	704	0.5+	0.5-
920303	809	0.4-	0.1+	970406	704	0.4+	0.7+	970408	704	0.7-	0.2-
920307	809	0.2+	0.6+	970406	704	0.2-	0.1-				

1992 DA₁₀ = 1997 AF₂₄

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams	
<i>M</i>	122.69985	(2000.0)		<i>P</i>	<i>Q</i>
<i>n</i>	0.17357963	ω	124.76235	+0.99800401	+0.02164248
<i>a</i>	3.1827575	Ω	234.06864	-0.04147200	+0.93308329
<i>e</i>	0.1677562	<i>i</i>	4.20169	+0.04762433	+0.35900860
<i>P</i>	5.68	<i>H</i>	14.0	<i>G</i>	0.15
				<i>U</i>	5

Residuals in seconds of arc

920229	809	0.7-	0.1-	920308	809	0.0	0.4-	970115	599	0.1+	0.2+
920303	809	0.5+	0.1-	920407	809	0.5+	0.2+	970116	599	0.0	0.2-
920305	809	0.2-	0.4+	970115	599	0.1-	0.1-	970116	599	0.0	0.1+

1992 EA₇ = 1952 HB₃ = 1985 GY₁

Id. E. Bowell (1993 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams	
<i>M</i>	52.61678	(2000.0)		<i>P</i>	<i>Q</i>
<i>n</i>	0.26849236	ω	249.77181	+0.18996723	+0.97979286
<i>a</i>	2.3796592	Ω	31.38588	-0.84995035	+0.19603620
<i>e</i>	0.1617229	<i>i</i>	6.90333	-0.49142330	+0.03969593
<i>P</i>	3.67	<i>H</i>	14.0	<i>G</i>	0.15
				<i>U</i>	2

Residuals in seconds of arc

520426	711	0.6-	1.1-	Y	920304	809	0.9-	0.1+	930814	675	0.1-	1.0-
850414	688	0.7+	1.4+		920309	809	0.5+	0.0	930814	675	0.1+	0.9+
920301	809	0.4+	0.1-		920404	809	0.2-	0.5-				

1992 UE₂ = 1995 KU₅

Id. E. Bowell (1989 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams	
<i>M</i>	352.30855	(2000.0)		<i>P</i>	<i>Q</i>
<i>n</i>	0.20747706	ω	215.04819	+0.87376489	-0.48634386
<i>a</i>	2.8258948	Ω	174.05118	+0.45079094	+0.80822682
<i>e</i>	0.1492785	<i>i</i>	1.18071	+0.18254434	+0.33202267
<i>P</i>	4.75	<i>H</i>	13.5	<i>G</i>	0.15
				<i>U</i>	5

Residuals in seconds of arc

890108	675	0.5+	0.8+	921022	675	0.2-	0.6-	950529	691	0.4-	0.9-
890108	675	0.5-	0.7-	921022	400	0.0	0.1+	950529	691	0.8+	0.1+
921019	400	2.1+	0.3-	921022	400	1.5-	0.1+	950529	691	0.5-	0.4+
921019	400	0.3+	1.7+	921115	400	1.0-	2.0-				
921022	675	0.3-	0.2-	921115	400	0.8+	0.7+				

1992 UJ₅ = 1997 EA₅

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams	
<i>M</i>	113.71783	(2000.0)		<i>P</i>	<i>Q</i>
<i>n</i>	0.29184136	ω	190.10615	+0.42222573	-0.90645999
<i>a</i>	2.2509792	Ω	234.91904	+0.83232436	+0.39092954
<i>e</i>	0.1997613	<i>i</i>	0.52264	+0.35911222	+0.15970092
<i>P</i>	3.38	<i>H</i>	15.5	<i>G</i>	0.15
				<i>U</i>	5

Residuals in seconds of arc

921021	675	0.4+	0.0	921030	877	0.6-	1.5+	970304	691	0.3+	0.1+
921021	675	0.0	0.4-	921030	877	0.3+	0.0	970307	691	0.3-	0.6-
921025	877	0.2+	0.1+	921127	675	0.8+	0.2-	970307	691	0.2-	0.1-
921025	877	0.4+	0.1-	921127	675	0.8-	0.7+	970307	691	0.7-	0.2-
921027	877	1.5-	0.7-	970304	691	0.4+	0.2+				
921027	877	0.8+	1.0-	970304	691	0.3+	0.3+				

1992 UP₁₀ = 1971 UP₂ = 1997 AE₁₁

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams	
<i>M</i>	131.24397	(2000.0)		<i>P</i>	<i>Q</i>
<i>n</i>	0.28221588	ω	287.69737	+0.97883961	-0.19268306
<i>a</i>	2.3018751	Ω	83.45449	+0.20396860	+0.89169644
<i>e</i>	0.2480143	<i>i</i>	3.97637	+0.01642619	+0.40957381
<i>P</i>	3.49	<i>H</i>	15.5	<i>G</i>	0.15
				<i>U</i>	4

Residuals in seconds of arc

711021	805	1.8-	1.8+	921022	675	0.1+	0.5+	970110	566	0.3+	0.1-
711021	805	0.5-	0.4-	921127	675	0.6-	1.6+	970110	566	1.7-	0.1+
711021	095	2.8+	2.7-	921127	675	1.4-	0.5+	970111	566	0.2+	0.5-
921021	675	0.7+	0.3-	921130	675	0.4-	0.0	970111	566	0.3+	0.5-
921021	675	0.9+	0.1-	921130	675	0.7-	0.6-	970111	566	0.8-	0.0
921022	675	0.6+	0.4-	970110	566	1.5+	0.3-				

1992 YH = 1996 XB₃₇

Id. E. Bowell (1989 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams	
<i>M</i>	53.08820	(2000.0)		<i>P</i>	<i>Q</i>
<i>n</i>	0.23643966	ω	339.34061	+0.64078892	-0.73403264
<i>a</i>	2.5901356	Ω	70.08613	+0.73366914	+0.49922317
<i>e</i>	0.1935116	<i>i</i>	13.84029	+0.22609543	+0.46040450
<i>P</i>	4.17	<i>H</i>	13.0	<i>G</i>	0.15
				<i>U</i>	4

Residuals in seconds of arc

890307	675	0.2-	0.1+	921222	885	0.2-	0.1+	930119	885	0.4+	0.7-
890307	675	0.3+	0.9-	921225	885	0.0	0.3+	930119	885	0.1-	0.4+
921218	885	0.3+	0.2-	921225	885	1.1-	0.2-	961213	691	0.5+	0.3-
921218	885	0.1+	0.5-	921230	885	0.5+	0.0	961213	691	0.2-	0.2-
921222	885	0.4-	1.2+	921230	885	0.0	1.0+	961213	691	0.2+	0.3-

1993 FN₆ = 1997 GS₆

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams	
<i>M</i>	356.13658	(2000.0)		<i>P</i>	<i>Q</i>
<i>n</i>	0.26183721	ω	213.42666	-0.58479870	+0.81001312
<i>a</i>	2.4198130	Ω	20.88797	-0.71497410	-0.48939139
<i>e</i>	0.0758916	<i>i</i>	7.00221	-0.38317425	-0.32307091
<i>P</i>	3.76	<i>H</i>	15.5	<i>G</i>	0.15
				<i>U</i>	5

Residuals in seconds of arc

930317 809	0.4+	0.1-	930416 413	0.2+	0.1+	970406 704	0.1-	0.3-
930318 809	0.1-	0.2-	970402 704	0.1-	0.5+	970406 704	0.4-	0.5-
930323 809	0.5-	0.2+	970402 704	0.5+	0.4+			

1993 FV₇ = 1976 JZ₅

Id. E. Bowell (1989, 1994 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

			Williams	
<i>M</i>		(2000.0)	P	Q
<i>n</i>	0.28433159	ω 276.50553	+0.65673315	+0.75040359
<i>a</i>	2.2904421	Ω 34.91732	-0.62990949	+0.60039509
<i>e</i>	0.1119408	<i>i</i> 7.50951	-0.41462707	+0.27644202
<i>P</i>	3.47	<i>H</i> 13.0	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

760503 809	0.1+	0.2+	930317 809	0.2+	0.5-	930416 413	0.1+	0.8+
890307 675	1.0-	1.4+	930318 809	0.1+	0.3+	940910 675	0.2-	0.3+
890307 675	1.2+	0.7-	930323 809	0.1-	0.1-	940910 675	0.3-	0.6+

1993 FX₉ = 1977 ET₄

Id. E. Bowell (1989 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

			Williams	
<i>M</i>		(2000.0)	P	Q
<i>n</i>	0.24621428	ω 78.95091	-0.93997917	-0.33534026
<i>a</i>	2.5211222	Ω 81.43234	+0.28282331	-0.86915163
<i>e</i>	0.0733088	<i>i</i> 3.66070	+0.19091917	-0.36348638
<i>P</i>	4.00	<i>H</i> 13.0	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

770315 381	0.1+	2.4-	890329 675	1.1-	0.7-	930319 691	0.5-	0.4+
770315 381	1.5-	0.7-	930317 809	0.6+	0.6+	930323 809	0.4+	0.3+
890307 675	1.2+	0.7+	930318 809	0.4+	0.3+	930416 413	2.1+	1.2+
890307 675	0.6+	0.5+	930319 691	0.6-	0.3+			
890329 675	1.0-	0.6-	930319 691	0.6-	0.3+			

1993 FU₁₃ = 1988 XQ₄ = 1991 RE₃₅

Id. E. Bowell, G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

			Williams	
<i>M</i>		(2000.0)	P	Q
<i>n</i>	0.29202711	ω 2.03958	+0.23036526	-0.97047930
<i>a</i>	2.2500246	Ω 74.64739	+0.89175380	+0.18115801
<i>e</i>	0.1555131	<i>i</i> 4.24778	+0.38949583	+0.15922217
<i>P</i>	3.38	<i>H</i> 13.5	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

881215 888	0.4-	0.2+	910914 675	1.4-	0.7+	930323 809	1.1+	0.1-
881215 888	0.4+	0.1-	910914 675	0.4-	1.0+	930416 413	1.3-	0.9+
910912 675	1.0+	1.4-	930317 809	0.1-	0.5-			
910912 675	0.6+	0.0	930318 809	0.4+	0.0			

1993 FU₂₄ = 1997 EM₃₈

Epoch 1997 June 1.0 TT = JDT 2450600.5

			Williams	
<i>M</i>		(2000.0)	P	Q
<i>n</i>	0.21820478	ω 311.67084	+0.40113956	+0.91596980
<i>a</i>	2.7324982	Ω 341.97207	-0.83125401	+0.35973905
<i>e</i>	0.0499699	<i>i</i> 1.72090	-0.38484260	+0.17772771
<i>P</i>	4.52	<i>H</i> 13.0	<i>G</i> 0.15	<i>U</i> 6

Residuals in seconds of arc

930321 809	0.5-	0.4+	930421 413	0.0	0.4-	970306 704	0.3+	0.0
930322 809	0.3+	0.6+	970305 704	0.3+	0.5-	970306 704	0.0	1.2+
930326 809	0.2+	0.6-	970305 704	0.6-	0.7-			

1993 FV₂₄ = 1997 GV₆

Epoch 1997 June 1.0 TT = JDT 2450600.5

			Williams	
<i>M</i>		(2000.0)	P	Q
<i>n</i>	0.25733380	ω 350.07572	-0.18108558	+0.98315118
<i>a</i>	2.4479629	Ω 269.48816	-0.90059551	-0.17596008
<i>e</i>	0.1725295	<i>i</i> 1.42889	-0.39514015	-0.04951571
<i>P</i>	3.83	<i>H</i> 15.0	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

930321 809	0.1-	0.7-	970402 704	0.7+	0.2+	970408 704	0.6-	0.4+
930322 809	0.6+	0.7-	970402 704	0.7-	0.1+	970408 704	0.1-	1.3-
930326 809	1.1-	0.1-	970406 704	0.3+	0.1-			
930418 413	1.0+	2.2+	970406 704	0.2+	0.0			

1993 FZ₂₄ = 1997 EL₃₅

Epoch 1997 June 1.0 TT = JDT 2450600.5

			Williams	
<i>M</i>		(2000.0)	P	Q
<i>n</i>	0.21139638	ω 5.56061	+0.97185670	+0.23453613
<i>a</i>	2.7908576	Ω 340.83152	-0.21864264	+0.86315708
<i>e</i>	0.0818915	<i>i</i> 3.85514	-0.08769234	+0.44716066
<i>P</i>	4.66	<i>H</i> 14.0	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

930321 809	0.0	0.1-	970208 566	0.3+	0.2-	970304 704	0.9-	0.4-
930322 809	0.5+	0.3-	970208 566	0.2+	0.0	970306 704	0.1-	0.4+
930326 809	0.6-	0.3+	970208 566	0.2-	0.1-	970306 704	1.3+	0.2-
930418 413	0.1+	0.1+	970304 704	0.4-	0.6+			

1993 FW₃₆ = 1997 ED₄₀

Epoch 1997 June 1.0 TT = JDT 2450600.5

			Williams	
<i>M</i>		(2000.0)	P	Q
<i>n</i>	0.21870458	ω 269.23335	+0.21152900	-0.97722065
<i>a</i>	2.7283336	Ω 168.51115	+0.92753625	+0.19516970
<i>e</i>	0.0315386	<i>i</i> 4.94933	+0.30811035	+0.08335822
<i>P</i>	4.51	<i>H</i> 12.5	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

930319 809	0.7+	0.1+	930429 691	0.5-	0.0	970315 327	0.2-	0.5+
930320 809	0.4+	0.0	970305 704	0.3-	0.4-	970315 327	0.2-	0.3+
930324 809	0.2-	0.2-	970305 704	0.3+	0.8-	970315 327	0.0	0.4+
930429 691	0.4-	0.1+	970306 704	0.2+	0.2-			
930429 691	0.2-	0.0	970306 704	0.3+	0.3+			

1993 HA₆

Id. E. Bowell (1989, 1994 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

			Williams	
<i>M</i>		(2000.0)	P	Q
<i>n</i>	0.24220934	ω 180.83713	-0.71917799	+0.69076260
<i>a</i>	2.5488373	Ω 43.18118	-0.63685136	-0.61213290
<i>e</i>	0.1564389	<i>i</i> 6.29508	-0.27785493	-0.38489004
<i>P</i>	4.07	<i>H</i> 14.0	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

890401 675	1.0+	0.1+	930414 691	1.1-	0.0	930423 033	1.6+	0.5-
890401 675	0.6-	0.9+	930414 691	1.1-	0.2+	930424 033	0.4+	0.0
930326 691	0.8-	0.2-	930414 691	1.1-	0.1+	930427 033	1.6+	0.0
930326 691	0.9-	0.4-	930418 413	(4.2+	3.0+)	940912 675	0.3+	0.6-
930326 691	0.9-	0.5-	930423 033	1.6+	0.4-	940912 675	0.1+	0.2-

1993 QN₄ = 1975 VZ₄ = 1980 DP

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	0.26871199	ω 283.38479	+0.39603877 -0.91586686
<i>a</i>	2.3783624	Ω 143.06432	+0.87918906 +0.35751954
<i>e</i>	0.1989091	<i>i</i> 6.29485	+0.26491485 +0.18266819
<i>P</i>	3.67	<i>H</i> 14.0	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

751102 095	0.1+	0.4-	930815 809	1.2-	0.9-	930820 809	0.9+	0.3-
800219 046	0.9-	1.1+	930815 809	1.8-	2.3-	930824 809	2.0+	1.9+
800219 046	2.2-	0.0	930818 010	1.5-	0.9-	930824 809	2.5+	2.0+
800220 046	1.4+	1.5-	930819 010	0.8-	0.1+	930824 809	1.1+	1.4+
800220 046	(3.8+	0.8+)	930819 010	1.0-	0.5-	930921 675	0.6-	0.5+
800221 046	1.8+	0.5+	930819 010	1.4-	0.6-	930921 675	0.7-	0.3+
800222 046	(2.6-	4.1+)	930820 809	1.5+	0.2+			
930815 809	0.6-	0.7-	930820 809	1.4+	0.0			

1993 QN₇ = 1996 HJ₁₂ = 1996 KT₅

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	0.26201138	ω 289.50397	+0.89823738 +0.43898366
<i>a</i>	2.4187405	Ω 44.46401	-0.39084962 +0.82021992
<i>e</i>	0.1455797	<i>i</i> 1.76025	-0.20101288 +0.36678689
<i>P</i>	3.76	<i>H</i> 15.0	<i>G</i> 0.15 <i>U</i> 5

Residuals in seconds of arc

930815 809	0.5+	2.9+	930824 809	0.3+	0.3-	960418 809	0.0	2.1-
930815 809	0.4-	1.4+	930824 809	0.1-	1.5-	960418 809	0.1-	1.8-
930815 809	0.2+	2.0+	930824 809	0.1-	1.1-	960519 809	0.2-	0.1-
930819 010	0.6-	0.1-	930921 675	0.1-	0.0	960519 809	2.4-	0.5+
930819 010	0.2-	1.0-	930921 675	0.5-	0.4-	960519 809	0.6-	0.7+
930819 010	0.2+	1.6-	960417 809	0.6-	0.1+	960522 809	2.6+	2.3+
930820 809	0.1-	0.7-	960417 809	0.8+	0.1-	960522 809	0.2+	1.7+
930820 809	0.6+	0.3-	960417 809	0.4+	0.2-	960522 809	0.9+	0.5+
930820 809	0.5+	0.1-	960418 809	1.1-	2.2-			

1993 QY₉ = 1994 YZ₂

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	0.29329433	ω 156.08552	+0.43619911 +0.89802418
<i>a</i>	2.2435389	Ω 139.71047	-0.83922588 +0.42896207
<i>e</i>	0.1443964	<i>i</i> 5.08339	-0.32470025 +0.09769401
<i>P</i>	3.36	<i>H</i> 15.5	<i>G</i> 0.15 <i>U</i> 5

Residuals in seconds of arc

930815 809	0.2-	0.5+	930824 809	0.6-	1.4+	941228 691	0.0	0.0
930815 809	1.2-	1.0-	930824 809	1.4-	0.8+	941228 691	0.3-	0.6+
930815 809	0.2-	1.4-	930824 809	0.6-	1.2+	950107 691	0.2+	0.3-
930820 809	2.1+	0.3-	930921 675	0.6+	0.0	950107 691	0.1+	0.5-

930820 809	1.8+	0.3+	930921 675	0.6-	0.9-	950107 691	0.1+	0.1+
930820 809	0.2+	0.7-	941228 691	0.0	0.1+			

1993 SW₃ = 1973 SL₅

Id. E. Bowell (1989 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	0.29495907	ω 279.48668	+0.90039593 +0.42584584
<i>a</i>	2.2350893	Ω 55.35963	-0.34444826 +0.82287052
<i>e</i>	0.2008237	<i>i</i> 6.21861	-0.26578668 +0.37621726
<i>P</i>	3.34	<i>H</i> 14.0	<i>G</i> 0.15 <i>U</i> 3

Residuals in seconds of arc

730927 095	0.5+	1.0-	930924 413	0.3+	0.7-	931023 413	0.4+	0.0
890507 675	0.7+	0.7-	930925 413	0.5+	1.3+	931023 413	0.2-	0.5+
890507 675	0.6-	0.7+	930925 413	0.1-	0.2-	931107 413	0.6-	0.2+
930924 413	0.3-	0.7-	931009 413	0.7-	1.0+	931107 413	0.1+	0.4-

1994 AY₂ = 1979 VD₁

Id. E. Bowell (1988 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	0.22117425	ω 180.02606	-0.40637952 -0.90852328
<i>a</i>	2.7079855	Ω 293.95170	+0.83832661 -0.32844484
<i>e</i>	0.1144407	<i>i</i> 6.10328	+0.36340636 -0.25828169
<i>P</i>	4.46	<i>H</i> 13.0	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

791114 095	0.6-	1.6+	940112 399	(1.3+	2.6+)	940118 691	0.4+	0.8-
881109 675	0.2+	1.1-	940113 691	0.2+	0.1+	940118 691	0.2-	0.8-
881109 675	0.2+	0.7-	940113 691	0.5+	0.1-	940203 399	2.4-	0.1+
940108 691	0.5+	0.1+	940113 691	0.8+	0.1-	940203 399	0.2-	1.0+
940108 691	0.1-	0.0	940115 399	(3.1-	0.3+)	940204 399	0.5+	0.0
940108 691	1.3+	0.1+	940115 399	1.1-	0.9+	940204 399	0.6-	0.6-
940112 399	0.1+	0.9+	940118 691	0.3+	0.7-			

1994 EB = 1990 EE₁₀ = 1990 EF₁₀Id. E. Bowell (1992 observations), G. V. Williams (d, *MPC* 20062; unpublished), H. Debehogne (d, *ibid.*)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	0.25403770	ω 321.05310	-0.69037924 -0.72329620
<i>a</i>	2.4690920	Ω 172.56477	+0.68906599 -0.66366433
<i>e</i>	0.0789120	<i>i</i> 6.56846	+0.22037372 -0.19076757
<i>P</i>	3.88	<i>H</i> 14.0	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

900306 809	(0.6+	3.0+)	940305 596	(1.7-	2.5-)	940318 596	0.9-	0.2-
900306 809	(0.7+	3.4+)	940305 596	1.0+	1.4-	940318 596	(4.0-	2.5+)
900306 809	(0.8+	3.6+)	940305 596	(3.6+	1.4-)	940318 596	(1.9+	2.5-)
900307 809	0.3+	1.5+	940305 596	(1.2+	3.3-)	940330 596	(2.3+	1.9+)
900307 809	0.2+	0.9+	940306 596	(3.5-	1.6-)	940330 596	0.5+	0.4+
900307 809	0.3+	0.3+	940306 596	(1.6+	2.6-)	940330 596	1.8-	0.1+
921025 675	0.5-	0.3-	940306 596	(0.1+	2.2-)	940403 675	0.1+	0.8-
921025 675	0.7+	0.7-	940306 596	(1.5-	4.2-)	940403 675	0.4+	0.1-
940304 596	1.1-	0.5-	940307 596	0.6+	0.4-	940408 596	(0.8+	2.4+)

940304 596 1.1- 0.5+ 940307 596 1.2- 0.7- 940408 596 0.8+ 0.1+
 940304 596 (2.4- 1.9+) 940307 596 0.8+ 0.6- 940408 596 0.8+ 0.3+

1994 EH₂ = 1997 AO₂₄

Id. E. Bowell (1988 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams							
<i>M</i>	254.76987	(2000.0)							
		P	Q						
<i>n</i>	0.29246578	ω	196.03725	+0.39781048	+0.91379357				
<i>a</i>	2.2477742	Ω	97.46277	-0.83240805	+0.39707872				
<i>e</i>	0.1920956	<i>i</i>	4.74527	-0.38580262	+0.08549743				
<i>P</i>	3.37	<i>H</i>	15.5	<i>G</i>	0.15	<i>U</i>	4		

Residuals in seconds of arc

880910 675 0.1- 0.3- 940315 411 0.2- 0.9+ 940403 411 0.5- 0.6+
 880910 675 0.2+ 0.1- 940320 411 1.2+ 1.4- 940403 411 0.2- 0.5+
 940310 411 0.4- 1.2- 940320 411 1.5+ 0.8- 940403 411 0.2+ 0.7+
 940310 411 0.6- 1.2- 940320 411 0.0 2.1- 970114 566 0.2- 0.1+
 940310 411 1.4- 1.2- 940402 411 0.6+ 1.1+ 970114 566 0.2- 0.2-
 940315 411 0.5- 0.5+ 940402 411 0.5+ 1.0+ 970114 566 0.5+ 0.6+
 940315 411 0.6- 1.0+ 940402 411 0.0 0.6+

1994 FY = 1976 JS₆

Id. E. Bowell (1992 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams							
<i>M</i>	328.73829	(2000.0)							
		P	Q						
<i>n</i>	0.27109487	ω	136.51383	-0.98936490	-0.04488393				
<i>a</i>	2.3644049	Ω	41.52103	-0.03608367	-0.84572994				
<i>e</i>	0.1086938	<i>i</i>	12.04710	+0.14090799	-0.53172013				
<i>P</i>	3.64	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	4		

Residuals in seconds of arc

760503 809 0.2- 0.4- 940331 400 1.1+ 0.9+ 940408 400 0.1+ 2.2-
 921021 675 0.1- 0.1- 940405 400 0.0 0.1- 940505 400 0.3- 0.1+
 921021 675 0.6+ 0.8- 940405 400 0.6- 1.1+ 940505 400 0.2+ 0.3-
 940331 400 0.5+ 0.1- 940408 400 1.3- 0.3+

1994 HB = 1997 EZ₃₁

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams							
<i>M</i>	265.75134	(2000.0)							
		P	Q						
<i>n</i>	0.31043902	ω	128.07434	+0.73559055	+0.67740356				
<i>a</i>	2.1601563	Ω	189.28918	-0.63182223	+0.68308475				
<i>e</i>	0.2125757	<i>i</i>	1.97552	-0.24435060	+0.27298285				
<i>P</i>	3.17	<i>H</i>	17.0	<i>G</i>	0.15	<i>U</i>	5		

Residuals in seconds of arc

940419 691 0.1+ 0.1- 940420 691 0.4+ 0.5- 940503 691 0.0 0.3-
 940419 691 0.1+ 0.2+ 940420 691 0.1+ 0.2- 970311 691 1.2+ 0.4+
 940419 691 0.0 0.2+ 940501 691 0.3+ 0.4+ 970311 691 0.4- 0.1-
 940419 691 0.0 0.1- 940501 691 0.3+ 0.1- 970311 691 0.3- 0.5+
 940419 691 0.2- 0.4- 940501 691 0.2+ 0.1+ 970315 691 0.3- 0.3-
 940419 691 0.1- 0.3+ 940503 691 0.1+ 0.1- 970315 691 0.1- 0.3-
 940420 691 0.6- 0.3+ 940503 691 0.6- 0.3+ 970315 691 0.2- 0.2-

1994 ND

Id. C. W. Hergenrother (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams			
<i>M</i>	315.50568	(2000.0)			
		P	Q		
<i>n</i>	0.30923771	ω	227.91333	+0.79244006	+0.41642576
<i>a</i>	2.1657471	Ω	102.83201	-0.33015326	+0.90722671
<i>e</i>	0.5165849	<i>i</i>	27.19969	-0.51287189	+0.05940782
<i>P</i>	3.19	<i>H</i>	18.0	<i>G</i>	0.15
				<i>U</i>	1

Residuals in seconds of arc

940703 413 1.0+ 0.1- 940707 413 0.9+ 0.6+ 940817 413 0.3+ 0.2-
 940703 413 (3.5- 6.3+) 940707 413 1.9+ 1.2- 940817 413 0.3+ 0.4-
 940704 413 (1.0- 3.6+) 940707 413 0.2- 0.5+ 940826 413 0.1+ 0.0
 940704 413 0.5- 0.2- 940707 360 0.3+ 0.7+ 940827 413 0.2+ 0.3-
 940704 413 1.4- 0.6+ 940707 360 0.1+ 1.0+ 940827 413 0.1+ 0.2-
 940705 474 (3.6- 2.2-) 940707 360 0.0 0.9+ 940828 413 0.2+ 0.2-
 940705 474 (5.5+ 1.3+) 940708 568 (2.9+ 3.0-) 940828 413 0.2+ 0.3-
 940705 474 (2.7- 2.9-) 940708 474 0.8- 0.0 940918 413 0.4+ 0.3-
 940705 474 (3.7+ 2.7+) 940708 474 1.0- 0.9- 940918 413 0.3+ 0.1-
 940705 474 0.5+ 0.3+ 940711 474 1.0- 0.1- 941111 413 0.2- 1.1+
 940705 474 0.7- 0.5+ 940711 474 (2.5- 2.1+) 941111 413 0.3- 1.0+
 940706 675 0.6+ 0.7+ 940711 474 0.7- 1.2- 941219 413 0.2+ 0.5+
 940706 675 1.5+ 0.5- 940711 474 0.8- 1.6- 941219 413 0.5- 0.5+
 940706 568 0.4+ 0.5- 940725 413 0.3+ 0.7- 941220 413 1.4- 0.8+
 940706 568 0.5+ 0.5- 940725 413 0.2+ 0.6- 941220 413 0.7- 1.1+
 940706 372 (3.0+ 0.9-)Y 940725 413 0.2+ 0.6- 970330 696 0.6+ 0.6-
 940707 568 0.1+ 0.2- 940726 413 0.2- 0.1- 970330 696 0.9+ 0.7-
 940707 568 0.2+ 0.1+ 940726 413 0.0 0.0 970330 696 0.7+ 0.2-
 940707 413 1.2+ 0.9- 940726 413 0.3+ 0.1- 970407 658 1.2- 1.0+
 940707 413 1.1- 1.8+ 940726 413 0.4+ 0.0 970407 658 0.4- 0.1+
 940707 413 1.5+ 0.4- 940815 413 0.3+ 0.0 970407 658 0.8- 0.4+
 940707 413 0.0 0.6- 940815 413 0.3+ 0.1- 970409 658 0.3+ 0.3-
 940707 413 0.2+ 1.3+ 940816 413 0.2+ 0.1+ 970409 658 0.1- 0.0
 940707 413 0.2+ 1.7+ 940816 413 0.2+ 0.1+

1994 PN

Id. C. W. Hergenrother (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams							
<i>M</i>	256.09650	(2000.0)							
		P	Q						
<i>n</i>	0.26928966	ω	233.89308	+0.74764100	+0.05694696				
<i>a</i>	2.3749598	Ω	113.23927	-0.06243945	+0.99793093				
<i>e</i>	0.5406099	<i>i</i>	46.06114	-0.66116129	-0.02984806				
<i>P</i>	3.66	<i>H</i>	15.5	<i>G</i>	0.15	<i>U</i>	2		

Residuals in seconds of arc

940807 413 1.2+ 0.1+ 940827 413 0.1+ 0.5+ 941219 413 0.1+ 0.0
 940807 413 (0.6+ 4.2+) 940828 413 0.3+ 0.1- 950112 413 0.1- 0.6-
 940809 413 0.8- 1.9- 940828 413 0.2+ 0.1+ 950112 413 0.1- 0.5-
 940809 413 0.6- 0.1- 940828 413 0.5+ 0.1+ 950113 413 1.0- 0.3-
 940811 413 0.7- 1.2- 940828 413 0.5+ 0.0 950113 413 0.9- 0.3-
 940811 413 (2.5+ 0.1-) 940831 360 0.1- 0.4- 950209 413 0.8+ 0.1+
 940811 413 (0.5+ 2.7-) 940831 360 0.1+ 1.6+ 950209 413 1.0+ 0.3-
 940812 474 0.2+ 1.3+ 940917 413 1.5- 1.5- 950220 413 0.9- 0.0
 940812 474 0.3+ 1.2+ 940917 413 1.4- 1.7- 950220 413 0.8- 0.0
 940815 413 0.2- 0.3+ 940918 413 0.7- 1.0- 950221 413 0.5- 0.1+
 940815 413 0.6- 0.0 940918 413 0.7- 1.0- 950307 413 0.1+ 0.4+
 940816 413 0.5+ 0.2+ 941002 474 2.0- 0.6- 950307 413 0.2- 0.2+

940816 413 0.4+	0.2+	941002 474 1.7-	2.0-	950321 413 0.2-	0.5+
940816 413 0.3+	0.2+	941028 474 0.7+	0.6-	950321 413 0.5+	0.3+
940816 413 0.5+	0.2+	941028 474 1.0-	0.1-	950322 413 0.3-	0.1+
940817 413 0.5+	0.2-	941031 474 0.7+	1.3+	950322 413 0.0	0.3+
940817 413 0.7+	0.0	941031 474 0.6+	1.4+	970329 696 0.1+	0.6-
940826 413 0.1-	0.7+	941111 413 0.1+	0.6+	970329 696 0.1+	0.6-
940826 413 0.1-	0.7+	941111 413 0.2+	1.1+	970329 696 0.2-	0.4-
940826 360 0.2-	0.5+	941218 413 0.4+	0.0	970330 696 0.3+	0.0
940826 360 0.6+	0.7+	941218 413 0.6+	0.1-	970330 696 0.3-	0.4-
940827 413 0.1+	0.4+	941219 413 0.2+	0.1-	970330 696 0.5-	0.1+

1994 PV = 1997 EL₃₉

Epoch 1997 June 1.0 TT = JDT 2450600.5						Williams	
<i>M</i>	188.92002		(2000.0)	P	Q		
<i>n</i>	0.17746509	ω	182.16554	+0.87238902	+0.48556515		
<i>a</i>	3.1361303	Ω	148.58541	-0.44683881	+0.83883308		
<i>e</i>	0.1501549	<i>i</i>	6.19517	-0.19817286	+0.24614131		
<i>P</i>	5.55	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

940814 411 0.0	0.0	940827 411 0.4-	0.5-	940903 033 0.7-	0.1-
940814 411 0.5+	0.6-	940827 411 0.5-	0.7+	970305 704 0.3-	0.5-
940815 411 0.3+	0.1-	940901 411 0.7+	0.4-	970305 704 0.3+	0.0
940815 411 0.1-	0.3+	940901 411 0.9-	0.1+	970306 704 0.5+	0.4-
940815 411 0.2+	0.3-	940901 411 0.4+	0.1+	970306 704 0.5-	0.9+
940817 411 0.1+	1.1+	940901 033 0.7+	0.2-		
940817 411 1.0-	0.2-	940902 033 0.6+	0.2+		

1994 PV₅ = 1997 EO₄₅

Epoch 1997 June 1.0 TT = JDT 2450600.5						Williams	
<i>M</i>	164.98703		(2000.0)	P	Q		
<i>n</i>	0.18447300	ω	123.90576	+0.99979584	-0.00789688		
<i>a</i>	3.0561934	Ω	236.55333	+0.00009678	+0.92232854		
<i>e</i>	0.1062412	<i>i</i>	1.27724	+0.02020576	+0.38632591		
<i>P</i>	5.34	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

940810 809 0.8+	0.1-	940903 809 0.4-	0.8-	970311 704 0.4+	0.3+
940810 809 0.4-	0.5-	940903 809 1.2-	1.0-	970311 704 1.4+	0.5-
940810 809 1.0-	0.8-	940903 809 2.4-	2.2-	970312 704 1.8-	1.1+
940811 809 0.5+	0.1+	940904 809 1.5+	1.2+	970312 704 0.0	0.9-
940811 809 0.1+	0.7+	940904 809 1.4+	1.8+		
940811 809 0.0	0.7+	940904 809 1.0+	0.8+		

1994 PO₁₆

Id. T. Kobayashi (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5						Nakano	
<i>M</i>	24.93957		(2000.0)	P	Q		
<i>n</i>	0.21444555	ω	216.09860	-0.98176043	-0.17372998		
<i>a</i>	2.7643393	Ω	313.70211	+0.18963403	-0.86571830		
<i>e</i>	0.0605746	<i>i</i>	6.13240	+0.01361606	-0.46941422		
<i>P</i>	4.60	<i>H</i>	13.3	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

940810 809 0.0	0.5-	940812 809 0.1+	0.8+	940906 809 1.0-	0.7+
940810 809 0.9-	0.5-	940813 809 1.8+	0.1-	940906 809 0.5-	0.4-
940810 809 1.5-	0.4-	940813 809 0.1+	0.4+	970309 411 0.4+	0.2+

940811 809 1.0-	0.0	940813 809 1.7+	0.4-	970309 411 0.1+	0.4+
940811 809 1.4-	0.6+	940905 809 1.0+	0.6-	970312 411 0.2-	0.2-
940811 809 (2.3-	0.5+)	940905 809 0.0	0.2-	970312 411 0.3-	0.5-
940812 809 (2.4+	0.5+)	940905 809 0.2+	0.7-		
940812 809 1.4+	0.6+	940906 809 0.0	1.0+		

1994 PY₁₇ = 1997 EV₄₂

Epoch 1997 June 1.0 TT = JDT 2450600.5						Williams	
<i>M</i>	217.30945		(2000.0)	P	Q		
<i>n</i>	0.19642567	ω	110.30370	+0.73522577	+0.67770551		
<i>a</i>	2.9309194	Ω	207.03641	-0.63176004	+0.67841832		
<i>e</i>	0.0755726	<i>i</i>	1.58618	-0.24560604	+0.28366146		
<i>P</i>	5.02	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

940810 809 0.5-	0.3+	940905 809 0.4-	0.5-	970310 704 0.2-	0.6-
940810 809 0.5-	0.2-	940905 809 0.0	0.2-	970310 704 0.0	0.8-
940810 809 1.6-	0.7+	940905 809 0.6-	0.6-	970311 704 0.7-	0.1-
940811 809 1.5+	0.3-	940906 809 1.7+	0.2+	970311 704 0.1+	0.0
940811 809 1.3+	0.5-	940906 809 0.8-	0.9+	970312 704 0.4+	0.7+
940811 809 0.0	0.3-	940906 809 0.1-	0.4+	970312 704 0.4+	1.0+

1994 PU₁₈ = 1997 EV₂₈

Epoch 1997 June 1.0 TT = JDT 2450600.5						Williams	
<i>M</i>	235.32952		(2000.0)	P	Q		
<i>n</i>	0.22486824	ω	326.24767	+0.85477124	+0.51900297		
<i>a</i>	2.6782470	Ω	2.48825	-0.46859008	+0.77292429		
<i>e</i>	0.0859398	<i>i</i>	1.89043	-0.22313554	+0.36499857		
<i>P</i>	4.38	<i>H</i>	16.0	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

940812 809 0.3+	0.1-	940906 809 1.1+	0.1-	970412 691 0.4+	0.8+
940812 809 2.0-	0.7+	940906 809 0.3-	0.3-	970412 691 0.6+	0.2+
940812 809 2.1-	0.4+	940906 809 0.5+	0.0	970412 691 0.3+	0.2+
940813 809 0.8+	0.6+	970310 691 0.0	0.5-	970413 691 0.6-	0.1+
940813 809 0.5+	1.4+	970310 691 0.1+	0.7-	970413 691 0.4-	0.2+
940813 809 0.2+	1.8+	970310 691 0.0	0.7-	970413 691 0.5-	0.4+
940905 809 1.4+	2.0-	970313 691 0.2-	0.6-	970416 691 0.0	0.1+
940905 809 0.1+	1.8-	970313 691 0.3-	0.6-	970416 691 0.2-	0.3-
940905 809 0.3+	2.3-	970313 691 0.3-	0.6-	970416 691 0.0	0.1-

1994 PD₃₄ = 1978 RG₁₁ = 1993 FC₅₉

Id. B. G. Marsden (MPC 24570), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5						Williams	
<i>M</i>	269.31815		(2000.0)	P	Q		
<i>n</i>	0.24552819	ω	94.23138	+0.53673450	+0.84366959		
<i>a</i>	2.5258166	Ω	208.24010	-0.78363206	+0.49328697		
<i>e</i>	0.1210000	<i>i</i>	1.42110	-0.31278887	+0.21187162		
<i>P</i>	4.01	<i>H</i>	16.0	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

780906 809 0.7+	1.3-	940901 691 1.0-	1.7-	970311 691 2.0+	0.3+
930319 809 0.1-	0.8-	940901 691 1.7-	1.6-	970311 691 0.0	0.3+
930320 809 0.7-	1.7+	940901 691 1.3-	1.8-	970311 691 0.1-	0.4+
940810 809 0.2-	1.5+	940903 809 (0.3-	2.8-)	970408 691 0.3-	0.2-
940810 809 0.2-	1.4+	940903 809 (2.2-	3.7-)	970408 691 0.1+	0.7-
940810 809 0.7-	0.6+	940903 809 (1.7-	2.8-)	970408 691 0.1-	0.3-

940811 809	1.8+	1.2+	940904 809	(2.2+	1.5-)	970412 691	0.4-	0.6-
940811 809	1.5+	0.6+	940904 809	(1.6+	2.6-)	970412 691	0.5-	0.6-
940811 809	1.3+	0.6+	940904 809	(0.9+	2.1-)	970412 691	0.4-	0.5-

1994 PK₃₈ = 1979 OV₂ = 1997 ED₂₆
 Id. B. G. Marsden (*MPC* 24571, unpublished)
 Epoch 1997 June 1.0 TT = JDT 2450600.5

				Marsden					
<i>M</i>	297.15732	(2000.0)		P	Q				
<i>n</i>	0.20175925	ω	81.83010	-0.55429705	+0.83211300				
<i>a</i>	2.8790359	Ω	154.48047	-0.77955964	-0.51123944				
<i>e</i>	0.0123441	<i>i</i>	2.46288	-0.29161885	-0.21499347				
<i>P</i>	4.89	<i>H</i>	14.5	<i>G</i>	0.15	<i>U</i>	3		

Residuals in seconds of arc

790724 675	0.3+	0.3+	970312 709	0.8+	0.2-	970319 709	0.6-	0.8+
790724 413	0.7-	0.7+	970313 709	0.4-	0.2-	970319 709	0.1+	0.4-
790725 675	0.2+	0.1-	970313 709	0.5-	0.3-	970319 709	0.1-	0.9+
940810 809	1.1+	0.4-	970313 709	0.1-	0.3-	970319 709	0.5-	0.6+
940810 809	0.3+	0.6-	970313 709	0.2-	0.3-	970319 709	0.2+	0.4-
940810 809	1.0+	1.6-	970313 709	0.3-	0.3-	970323 709	1.0-	0.0
940811 809	0.6-	0.4+	970315 709	0.2-	0.1-	970323 709	0.2-	0.5-
940811 809	0.2-	0.9+	970315 709	0.4-	0.0	970323 709	0.9-	0.1+
940811 809	0.4+	0.0	970315 709	0.2-	0.0	970323 709	0.1-	0.5-
940903 809	0.3-	1.5-	970315 709	0.4-	0.0	970323 709	0.9-	0.1-
940903 809	(0.8-	2.5-)	970315 709	0.3-	0.0	970329 709	0.3-	0.1-
940903 809	0.2-	1.4-	970315 709	0.1-	0.0	970329 709	0.3-	0.0
940904 809	(1.8-	2.3-)	970316 709	0.5+	0.0	970329 709	0.5-	0.1-
940904 809	(0.1-	2.2-)	970316 709	0.4+	0.1-	970329 709	0.3-	0.1+
940904 809	(1.0-	2.1-)	970316 709	0.6+	0.0	970329 709	0.2-	0.1-
970312 709	0.6+	0.3-	970316 709	0.3+	0.1+	970329 709	0.1-	0.1+
970312 709	0.6+	0.2-	970316 709	0.2+	0.1+	970415 709	0.4+	0.5-
970312 709	0.4+	0.2-	970316 709	0.3+	0.1+	970415 709	0.4+	0.3-
970312 709	0.8+	0.3-	970319 709	0.1+	0.5-	970415 709	0.2+	0.4-
970312 709	0.7+	0.1-	970319 709	1.0-	0.3+	970415 709	0.6+	0.5-
970312 709	0.4+	0.1-	970319 709	0.2+	0.0			

1994 SZ₉ = 1997 GW₄

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams					
<i>M</i>	277.79261	(2000.0)		P	Q				
<i>n</i>	0.21130335	ω	261.26512	+0.33376662	+0.94237292				
<i>a</i>	2.7916767	Ω	28.26627	-0.84456973	+0.30982680				
<i>e</i>	0.0721241	<i>i</i>	2.79462	-0.41869059	+0.12625621				
<i>P</i>	4.66	<i>H</i>	16.5	<i>G</i>	0.15	<i>U</i>	4		

Residuals in seconds of arc

940928 691	0.3-	0.1-	941011 691	0.1-	1.3-	970409 691	0.7-	0.3-
940928 691	0.0	0.2-	941011 691	0.0	0.2-	970409 691	0.8-	0.2-
940928 691	0.0	0.1-	970314 691	0.2+	0.3+	970413 691	0.1-	0.5-
941004 691	0.2+	0.5+	970314 691	0.2-	0.4+	970413 691	0.4-	0.0
941004 691	0.2+	0.1+	970314 691	0.5+	0.2+	970416 691	0.3+	0.4-
941011 691	0.4+	0.2+	970407 691	0.0	0.1-	970416 691	0.6+	0.7-
941011 691	0.3+	0.0	970407 691	0.2+	0.2-	970416 691	0.1+	0.4-
941011 691	0.6+	0.1+	970407 691	0.4+	0.2+			
941011 691	0.5-	0.9-	970409 691	0.8-	0.2-			

1994 ST₁₂ = 1997 GX₁₂

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams					
<i>M</i>	268.08865	(2000.0)		P	Q				
<i>n</i>	0.23613114	ω	288.32968	+0.72813838	+0.68471355				
<i>a</i>	2.5923912	Ω	28.48271	-0.60145068	+0.66018397				
<i>e</i>	0.1555500	<i>i</i>	3.76737	-0.32874242	+0.30874663				
<i>P</i>	4.17	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i>	6		

Residuals in seconds of arc

940929 691	0.3-	0.1-	941001 399	0.8+	0.0	970405 704	0.5+	0.8-
940929 691	0.2-	0.2-	941013 691	0.1-	0.5+	970406 704	0.1+	0.3+
940929 691	0.1-	0.1-	941013 691	0.2-	0.3+	970406 704	(4.1+	0.4+)
940930 691	0.6-	0.1+	941013 691	0.5-	0.3+	970407 704	0.4+	0.3+
940930 691	0.5-	0.0	970403 704	0.3-	0.3+	970407 704	0.0	0.1+
940930 691	0.5-	0.1+	970403 704	0.8-	0.1+			
941001 399	2.0+	0.5-	970405 704	0.3+	0.2+			

1994 TX₂

Id. E. Bowell (1988, 1989 observations)
 Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams					
<i>M</i>	183.55476	(2000.0)		P	Q				
<i>n</i>	0.21721008	ω	206.27389	+0.57701393	-0.81208879				
<i>a</i>	2.7408340	Ω	208.73139	+0.77758953	+0.57881135				
<i>e</i>	0.1015472	<i>i</i>	10.42553	+0.24981882	+0.07408929				
<i>P</i>	4.54	<i>H</i>	12.5	<i>G</i>	0.15	<i>U</i>	4		

Residuals in seconds of arc

880510 675	0.7+	0.1-	941007 400	0.2+	0.3+	941031 691	1.5-	0.1-
880510 675	0.7-	0.1+	941007 400	0.5+	1.1+	941031 691	0.9-	0.4-
890830 675	0.2-	0.4-	941010 397	0.3+	0.1-	941031 691	1.0-	0.4-
890830 675	0.3+	0.2+	941010 397	0.2+	0.2-	941101 400	0.6-	1.5+
941002 400	0.2+	1.1+	941027 400	0.5-	1.5-	941101 400	0.5-	0.3+
941002 400	1.0+	0.2+	941027 400	1.6+	1.3-	941101 033	0.4-	0.0
941003 400	0.3-	0.2-	941028 033	1.8+	0.2-	941101 033	0.5-	0.3-
941003 400	0.3-	0.0	941028 033	0.6+	0.2+			

1994 UB

Id. D. di Cicco (1997 observations)
 Epoch 1997 June 1.0 TT = JDT 2450600.5

				Marsden					
<i>M</i>	320.00472	(2000.0)		P	Q				
<i>n</i>	0.28066793	ω	132.06833	+0.29768625	+0.95223589				
<i>a</i>	2.3103309	Ω	155.00483	-0.91654344	+0.30501216				
<i>e</i>	0.1979257	<i>i</i>	9.26670	-0.26707869	+0.01464226				
<i>P</i>	3.51	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	4		

Residuals in seconds of arc

940812 809	0.3+	0.4-	941026 817	1.0-	0.5-	970415 817	0.2+	0.5-
940812 809	0.2+	0.0	941026 817	0.6-	1.0-	970415 817	0.3-	0.6-
940812 809	0.2-	0.2-	941029 817	0.0	0.1+	970415 817	0.4+	0.5-
940813 809	0.1+	0.2+	941029 817	0.6+	0.6-	970416 817	0.1+	0.9+
940813 809	0.2-	0.2+	941029 817	0.2+	0.3-	970416 817	0.3-	0.1+
940813 809	0.1-	0.3+	941029 817	0.6-	0.5-	970416 817	0.1+	0.3+
941026 817	0.0	0.8+	941029 817	0.5+	1.4+	970416 817	0.1+	0.3+
941026 817	0.9+	0.4+	970415 817	0.2-	0.1-			

1994 UT

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	263.22600	(2000.0)	P	Q
<i>n</i>	0.27738261	ω 123.35497	+0.85307534	-0.51555229
<i>a</i>	2.3285375	Ω 267.79867	+0.44799921	+0.80270553
<i>e</i>	0.1379187	<i>i</i> 4.61645	+0.26750546	+0.29978271
<i>P</i>	3.55	<i>H</i> 14.0	<i>G</i> 0.15	<i>U</i> 4

From 20 observations 1994 Oct. 1–Dec. 29, mean residual 0".49.

1994 UT₁ = 1997 GY₂₃

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	224.83869	(2000.0)	P	Q
<i>n</i>	0.22073960	ω 331.26871	+0.94863315	-0.26101466
<i>a</i>	2.7115391	Ω 45.05962	+0.31634158	+0.77394590
<i>e</i>	0.1879973	<i>i</i> 14.63065	+0.00481127	+0.57695675
<i>P</i>	4.47	<i>H</i> 13.5	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

941026 399	0.5+	0.6+	941104 675	0.6-	0.2-	970406 704	0.3-	0.1-
941026 399	1.1-	0.9-	941106 675	0.3+	1.5-	970406 704	0.0	0.3-
941031 399	0.7+	1.1+	941106 675	0.4-	0.8-	970407 704	1.2+	0.5-
941031 399	0.1+	0.0	941107 399	(2.7-	0.0)	970407 704	0.3-	0.5+
941103 905	0.1-	0.1+	941107 399	0.6-	0.1-	970411 704	0.0	0.1+
941103 905	0.3+	1.1+	941109 905	0.5+	1.2+	970411 704	0.5-	0.4+
941104 675	0.4+	0.8-	941109 905	0.0	0.4+			

1994 VE₁

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	262.12547	(2000.0)	P	Q
<i>n</i>	0.24182118	ω 192.35161	+0.99874292	-0.04962739
<i>a</i>	2.5515641	Ω 170.48457	+0.04885022	+0.93212590
<i>e</i>	0.1620302	<i>i</i> 2.44432	+0.01123570	+0.35871774
<i>P</i>	4.08	<i>H</i> 13.0	<i>G</i> 0.15	<i>U</i> 6

From 16 observations 1994 Nov. 1–1995 Feb. 3, mean residual 0".43.

1994 VT₆ = 1997 GH₂₃

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	183.94724	(2000.0)	P	Q
<i>n</i>	0.19697012	ω 328.76475	+0.72799040	-0.68365564
<i>a</i>	2.9255160	Ω 74.45750	+0.63951199	+0.65011614
<i>e</i>	0.1216688	<i>i</i> 3.05996	+0.24709187	+0.33160817
<i>P</i>	5.00	<i>H</i> 13.0	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

941101 400	1.1+	0.5+	941106 675	1.3+	0.4-	970406 704	0.2-	0.7+
941101 400	1.6-	0.7-	941106 675	0.1+	0.4-	970408 704	0.7-	0.1-
941103 400	0.8+	0.5+	941107 399	1.4-	0.1+	970408 704	0.0	0.1+
941103 400	1.1-	0.0	941107 399	0.3+	0.3+			
941104 675	0.4+	0.0	970406 704	0.9+	0.7-			

1994 VB₇ = 1990 RE₃

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	243.88160	(2000.0)	P	Q
<i>n</i>	0.26605482	ω 196.41146	+0.50112017	-0.86471746
<i>a</i>	2.3941717	Ω 223.52992	+0.79938165	+0.47750957
<i>e</i>	0.1565643	<i>i</i> 2.81278	+0.33146274	+0.15571875
<i>P</i>	3.70	<i>H</i> 14.5	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

900914 675	0.1+	0.2-	941111 408	0.5-	1.2-	941128 675	0.9+	2.2+
900914 675	0.2-	0.3+	941111 408	0.3-	1.9-	941128 675	0.3-	1.2+
900918 675	0.6+	1.5+	941112 408	0.4-	0.4+	950107 691	0.2-	0.9-
900918 675	0.5-	1.4-	941112 408	0.7-	0.2-	950107 691	0.1+	0.2-
941105 675	0.1+	1.0-	941127 408	0.3+	1.1+	950107 691	0.2+	0.6-
941105 675	0.3+	0.6-	941127 408	0.4+	1.3+			

1994 YV₁ = 1992 EG

Id. T. Kobayashi (*MPC* 24753)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	232.12115	(2000.0)	P	Q
<i>n</i>	0.28260136	ω 49.90911	-0.56496856	-0.81578604
<i>a</i>	2.2997814	Ω 74.91482	+0.71267642	-0.55802257
<i>e</i>	0.0455791	<i>i</i> 7.36115	+0.41581588	-0.15199982
<i>P</i>	3.49	<i>H</i> 14.0	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

920303 372	0.1-	0.8+	930815 675	0.2+	0.0	950106 411	0.0	0.1-
920303 372	(4.0-	3.4+)	930815 675	0.4-	0.7+	950106 411	0.4+	0.4+
920305 372	0.1+	0.8-	941231 411	0.3+	0.7-	950110 411	(2.5-	0.1-)
920305 372	(3.1-	0.3+)	941231 411	0.6+	0.1+	950110 411	0.6-	0.4-
930721 675	0.3-	1.3-	950101 411	0.3-	0.1+			
930721 675	0.5+	0.6+	950101 411	0.3-	0.4+			

1995 AA₁

Id. E. Bowell (1993 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	308.14175	(2000.0)	P	Q
<i>n</i>	0.28826232	ω 301.21963	+0.52743616	-0.84459320
<i>a</i>	2.2695729	Ω 116.67340	+0.81032866	+0.46753995
<i>e</i>	0.0903651	<i>i</i> 5.91276	+0.25530092	+0.26089985
<i>P</i>	3.42	<i>H</i> 14.5	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

930725 675	0.9+	0.1+	950106 411	0.5-	0.8+	950120 411	0.0	0.6-
930725 675	0.3-	0.3-	950107 411	0.5-	0.3+	950120 411	0.5-	0.8-
930813 675	0.2+	0.7-	950107 411	0.5+	0.0	950201 411	0.0	0.7+
930813 675	0.7-	0.4+	950110 411	0.2-	0.1+	950201 411	0.8+	0.6-
950106 411	0.1-	0.2-	950110 411	0.5+	0.1-			

1995 BP₁

Id. E. Bowell (1989 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	282.86201	(2000.0)	P	Q
<i>n</i>	0.23093305	ω 306.46527	+0.78681897	-0.57128503
<i>a</i>	2.6311483	Ω 89.53033	+0.61411031	+0.68695830
<i>e</i>	0.2571624	<i>i</i> 13.50710	+0.06151773	+0.44913439
<i>P</i>	4.27	<i>H</i> 12.5	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

891102 675	0.1-	0.6+	950125 411	0.3+	0.7+	950210 411	0.4-	0.2-
891102 675	0.7-	0.2-	950125 411	0.3-	0.5+	950305 411	0.6-	0.7-
891125 675	0.1+	0.4+	950129 411	0.6+	0.5-	950305 411	0.7+	0.3+
891125 675	0.7+	0.8-	950129 411	0.2-	0.4-			
950125 411	0.6+	0.4+	950210 411	0.7-	0.1+			

1995 DZ = 1981 AD₃ = 1988 EH₂

Id. E. Bowell (1993 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		Williams	
<i>M</i>	307.13345	(2000.0)	P	Q	
<i>n</i>	0.28772568	ω 42.87821	+0.08800584	-0.99511293	
<i>a</i>	2.2723940	Ω 42.13146	+0.89490406	+0.05923975	
<i>e</i>	0.0672614	<i>i</i> 3.82748	+0.43749479	+0.07899946	
<i>P</i>	3.43	<i>H</i> 14.5	<i>G</i> 0.15	<i>U</i> 3	

Residuals in seconds of arc

810108 381	2.4+	0.4-	950220 411	1.1-	1.3+	950305 411	0.3+	0.8+
810108 381	0.6+	0.7-	950220 411	2.3-	0.5-	950305 411	0.5+	0.2+
810108 381	0.2-	0.6+	950222 411	0.3+	0.5-	950311 411	0.1+	0.3+
810108 381	2.0-	0.9+	950222 411	0.1+	0.1-	950311 411	0.4-	0.1+
880312 054	0.2+	0.3-	950227 411	0.8+	0.5-	950320 411	0.6-	0.5+
880312 054	2.0-	0.1+	950227 411	0.9+	1.3-	950320 411	0.1+	0.2+
930921 675	0.2+	0.4-	950301 411	1.6+	0.5-			
930921 675	0.0	0.3-	950301 411	0.1+	0.7-			

1995 OE₆ = 1997 EV₃₄

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		Williams	
<i>M</i>	49.67506	(2000.0)	P	Q	
<i>n</i>	0.28087435	ω 345.63436	-0.42363611	-0.90450586	
<i>a</i>	2.3091988	Ω 129.40559	+0.83721908	-0.41162830	
<i>e</i>	0.1267364	<i>i</i> 3.63638	+0.34582750	-0.11149571	
<i>P</i>	3.51	<i>H</i> 17.5	<i>G</i> 0.15	<i>U</i> 4	

Residuals in seconds of arc

950722 691	0.4-	0.1+	950801 691	0.0	0.7+	970203 566	0.0	0.0
950722 691	0.1-	0.0	950801 691	0.2+	0.5+	970304 704	1.8+	0.1-
950722 691	0.2-	0.5-	970102 691	0.1+	0.3-	970304 704	0.6-	0.7-
950727 691	0.1+	0.0	970102 691	0.5+	0.5-	970305 704	1.2+	0.8+
950727 691	0.2-	0.2+	970102 691	0.2-	0.3+	970305 704	0.6-	1.0-
950727 691	0.1-	0.1+	970203 566	1.2-	0.2+	970306 704	0.6-	0.8+
950801 691	0.3+	0.1+	970203 566	0.4+	0.5+	970306 704	0.6-	0.8+

1995 QU₃

Id. C. W. Hergenrother (1997 observations), E. Bowell (1991 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		Williams	
<i>M</i>	84.81223	(2000.0)	P	Q	
<i>n</i>	0.17642003	ω 107.41324	+0.64595124	-0.67353431	
<i>a</i>	3.1485031	Ω 296.70256	+0.45279642	+0.71698810	
<i>e</i>	0.3823359	<i>i</i> 23.71557	+0.61459125	+0.17966523	
<i>P</i>	5.59	<i>H</i> 13.5	<i>G</i> 0.15	<i>U</i> 1	

Residuals in seconds of arc

910207 675	0.4-	0.1-	951022 540	0.2+	0.0	951114 587	0.1+	0.0
910207 675	0.6+	0.5+	951022 540	0.4+	0.0	951117 801	0.1+	0.0
950831 693	0.8+	0.6+	951022 540	0.3+	0.0	951117 801	0.0	0.2+
950831 693	(0.3+	2.6-)	951026 711	0.6+	0.2-	951121 801	0.3+	0.0

950901 693	1.2-	0.7+	951026 711	1.1+	0.5-	951121 801	0.3+	0.2-
950902 693	0.2-	0.7-	951028 540	1.0+	0.8+	960104 540	0.5-	1.4+
950902 693	1.2-	0.2-	951028 540	0.7+	1.1+	960104 540	0.8-	0.7+
950918 693	0.2+	1.1-	951028 540	0.6+	0.7+	960104 540	1.5+	0.3+
950918 693	0.2-	0.4-	951030 658	0.3-	0.3-	960104 540	0.6+	0.4+
950920 691	0.2+	0.3-	951030 658	0.5-	0.2-	970324 693	0.7-	0.6-
950920 691	0.1+	0.3-	951111 540	0.4-	0.1-	970324 693	0.7-	0.6-
951011 587	0.0	0.5-	951111 540	0.4-	0.2-	970330 696	0.2-	0.5-
951011 587	0.1+	0.8-	951111 540	0.2-	0.1-	970330 696	0.3-	0.4-
951013 587	0.0	0.3-	951114 587	0.4-	0.6-	970330 696	0.1-	0.4-
951013 587	0.1+	0.2+	951114 587	0.4-	0.3-			

1995 SJ₁

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		Williams	
<i>M</i>	119.88667	(2000.0)	P	Q	
<i>n</i>	0.25231351	ω 62.73440	+0.57897410	-0.81528393	
<i>a</i>	2.4803276	Ω 351.86483	+0.72069434	+0.51749045	
<i>e</i>	0.2003525	<i>i</i> 4.07450	+0.38129864	+0.25983791	
<i>P</i>	3.91	<i>H</i> 15.5	<i>G</i> 0.15	<i>U</i> 4	

Residuals in seconds of arc

950922 557	0.2-	0.1+	951118 557	0.1-	0.4+	970408 046	0.4+	0.2-
950922 557	0.2-	0.2+	951118 557	1.0+	0.6+	970408 046	0.4+	0.2+
950923 557	0.3-	0.3+	960122 557	0.4+	1.2-	970408 046	0.2+	0.1-
950924 557	0.1-	0.2+	960122 557	1.9-	0.7+	970408 104	0.3+	0.0
950924 557	0.1-	0.3+	960122 557	0.7+	0.3-	970408 104	0.3+	0.1-
950926 557	0.2-	0.0	970203 557	0.7+	1.1-	970408 104	0.4+	0.2-
950926 557	0.0	0.0	970203 557	0.4+	1.1-	970409 658	1.0-	2.0+
950926 557	0.3-	0.0	970203 557	0.4+	1.0-	970409 658	0.8-	2.0+
950928 557	0.2-	0.3+	970402 557	0.3+	0.0	970409 658	(0.5-	2.1+)
950928 557	0.2-	0.5+	970402 557	0.1+	0.2+	970409 104	0.1+	0.6+
950928 557	0.1-	0.5+	970404 557	0.2+	0.7+	970409 104	0.1-	0.7+
951021 557	0.0	0.3+	970404 557	0.0	0.4+	970409 104	0.5-	0.7+
951022 557	0.1+	0.0	970404 557	0.9-	0.5+	970410 104	0.3+	0.1-
951022 557	0.4-	0.2+	970408 557	0.3+	0.1-	970410 104	0.1+	0.0
951118 557	0.2-	0.4+	970408 046	0.9+	0.4+	970410 104	0.1+	0.0

1995 SG₄

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		Williams	
<i>M</i>	182.99179	(2000.0)	P	Q	
<i>n</i>	0.28519176	ω 41.81024	+0.96081811	+0.05581635	
<i>a</i>	2.2858343	Ω 312.76098	-0.21430339	+0.77081484	
<i>e</i>	0.2265246	<i>i</i> 21.70305	+0.17579142	+0.63460934	
<i>P</i>	3.46	<i>H</i> 15.0	<i>G</i> 0.15	<i>U</i> 4	

Residuals in seconds of arc

950926 693	1.1+	0.5+	951011 695	0.6-	0.2-	970324 693	0.3+	0.7-
950926 693	1.0+	0.7+	951212 608	0.1-	0.3-	970324 693	0.4+	0.6-
950929 693	1.5-	0.5-	951212 608	0.2+	0.2-	970325 693	0.4-	1.1+
950929 693	0.7+	1.2-	951213 608	0.0	0.5+	970325 693	0.7-	0.2-
951011 695	0.8-	0.0	951213 608	0.3+	0.5+			

1995 SW₂₉ = 1980 BM₅

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.17656086	ω 112.71997	+0.27186561 -0.91788787
<i>a</i>	3.1468286	Ω 317.87311	+0.64594206 +0.39672796
<i>e</i>	0.2024999	<i>i</i> 25.52938	+0.71333579 -0.00942212
<i>P</i>	5.58	<i>H</i> 13.0	<i>G</i> 0.15 <i>U</i> 3

Residuals in seconds of arc

800122 095	0.1-	0.1-	950930 693	0.0	0.8+	951121 608	0.1-	0.4-
950924 693	0.4-	0.1+	951011 695	0.5+	0.1+	970319 608	0.9+	1.5-
950924 693	0.3-	0.7+	951011 695	0.7+	0.2+	970319 608	0.7-	1.7+
950930 693	0.0	0.8-	951121 608	0.6-	0.4-			

1995 SS₃₀ = 1997 EN₃₆

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.25904251	ω 129.48785	-0.48457042 -0.87417751
<i>a</i>	2.4371861	Ω 349.35797	+0.74060522 -0.39070216
<i>e</i>	0.1889589	<i>i</i> 9.88562	+0.46550556 -0.28838431
<i>P</i>	3.80	<i>H</i> 16.0	<i>G</i> 0.15 <i>U</i> 5

Residuals in seconds of arc

950920 691	0.2-	0.3+	950925 691	0.3-	0.6+	970304 704	(5.8-	0.4-)
950920 691	0.0	0.2+	950925 691	0.3-	0.2-	970304 704	0.5+	0.0
950920 691	0.2-	0.2+	950925 691	0.2-	0.1-	970305 704	0.3+	0.5+
950922 691	0.6+	0.3-	951001 691	0.3+	0.4-	970305 704	0.3-	0.3-
950922 691	0.2+	0.3-	951001 691	0.0	0.4+	970306 704	0.3+	0.6-
950922 691	0.1-	0.3-	951001 691	0.1+	0.0	970306 704	0.8-	0.4+

1995 SY₃₀ = 1997 DO

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.27678908	ω 308.92423	-0.32788511 -0.94378082
<i>a</i>	2.3318651	Ω 160.09323	+0.90049282 -0.32568865
<i>e</i>	0.0659423	<i>i</i> 7.09588	+0.28566419 -0.05660980
<i>P</i>	3.56	<i>H</i> 16.0	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

950920 691	0.2-	0.3+	970227 552	0.4-	0.5-	970308 552	0.4-	0.7-
950920 691	0.2-	0.0	970228 552	0.4-	0.4+	970308 552	0.1-	0.4+
950920 691	0.0	0.1+	970228 552	0.1-	0.6+	970308 552	0.8+	1.1-
950922 691	0.0	0.1+	970228 552	0.4+	0.7+	970309 552	1.6-	0.4+
950922 691	0.4+	1.8-	970228 552	0.9+	0.2-	970309 552	0.6-	0.2+
950922 691	0.0	0.1+	970302 552	0.0	0.4+	970309 552	0.3-	0.0
950925 691	0.0	0.4+	970302 552	0.1+	0.5-	970310 552	0.0	0.0
950925 691	0.2+	0.2+	970302 552	0.2-	0.3+	970310 552	0.4+	0.3+
950925 691	0.2-	0.5+	970304 552	0.2+	0.6-	970311 552	1.7+	0.2-
970227 552	0.2+	0.5+	970307 552	0.1-	0.1-	970311 552	0.2+	0.6+
970227 552	0.1-	0.7-	970307 552	0.1-	0.6-	970311 552	0.4-	0.5+

1995 SD₅₃ = 1997 EJ₄₂

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.26184513	ω 206.84522	+0.90018236 -0.43550984
<i>a</i>	2.4197642	Ω 178.96795	+0.41462182 +0.85579910
<i>e</i>	0.1499771	<i>i</i> 5.42015	+0.13326840 +0.27917570
<i>P</i>	3.76	<i>H</i> 15.5	<i>G</i> 0.15 <i>U</i> 5

Residuals in seconds of arc

950927 691	0.7-	0.4+	950929 327	0.3+	0.2-	970310 704	0.1+	0.2-
950927 691	1.0-	0.3+	950929 327	0.3+	0.4-	970310 704	0.8+	0.1+
950927 691	0.8-	0.4+	950929 327	1.1+	0.5-	970311 704	0.1-	0.3+
950928 327	0.4+	0.2+	970303 691	0.3-	0.7-	970311 704	0.6+	2.0+
950928 327	0.4+	0.2+	970303 691	0.6-	0.6-			
950928 327	0.0	0.2-	970303 691	0.4-	0.6-			

1995 SO₅₄ = 1992 YR₅

Id. B. A. Skiff (1988 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.28396563	ω 269.16553	+0.79897720 -0.59948551
<i>a</i>	2.2924095	Ω 127.66605	+0.57283669 +0.73468634
<i>e</i>	0.1750172	<i>i</i> 3.43735	+0.18301246 +0.31757378
<i>P</i>	3.47	<i>H</i> 15.0	<i>G</i> 0.15 <i>U</i> 3

Residuals in seconds of arc

880910 675	0.2+	0.3-	921224 691	0.7+	0.1+	951023 033	0.0	0.5-
880910 675	0.1+	0.7-	950921 033	0.5+	0.0	951023 033	0.7+	0.3-
921224 691	0.4-	0.6-	950921 033	0.4-	0.6+	951024 033	0.2-	0.5+
921224 691	0.3-	0.2+	950923 033	0.5-	0.3+	951025 033	0.3-	0.3+

1995 SQ₅₄ = 1997 EU₃₃

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.27462374	ω 257.35091	+0.88413068 +0.46211414
<i>a</i>	2.3441064	Ω 75.09056	-0.39616837 +0.81973656
<i>e</i>	0.1913990	<i>i</i> 4.09569	-0.24771669 +0.33835262
<i>P</i>	3.59	<i>H</i> 15.5	<i>G</i> 0.15 <i>U</i> 5

Residuals in seconds of arc

950921 033	0.8+	0.0	951023 033	0.7-	0.3-	970304 704	1.6+	0.4-
950921 033	1.0-	0.3-	951024 033	0.9+	0.7+	970306 704	2.7-	0.1-
950923 033	0.1+	0.4+	951025 033	0.0	0.1-	970306 704	0.4+	1.0-
951023 033	0.1-	0.3-	970304 704	0.7+	1.5+			

1995 TB

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.27409098	ω 79.01477	+0.14647426 -0.98920748
<i>a</i>	2.3471430	Ω 2.57137	+0.87211046 +0.12735785
<i>e</i>	0.1864064	<i>i</i> 4.75875	+0.46687112 +0.07244681
<i>P</i>	3.60	<i>H</i> 16.5	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

951003 046	0.1+	0.2+	951005 046	0.2-	0.4+	951217 046	0.3+	0.9+
951003 046	0.7-	0.3+	951005 046	0.5-	0.3-	951217 046	0.2+	0.4-
951003 046	0.1+	0.2+	951012 046	0.2-	0.8-	951217 046	0.8+	0.2+
951003 046	0.4-	0.4-	951012 046	0.4+	0.4+	970408 046	0.9-	0.4-

951003 046	0.4-	0.4-	951012 046	0.0	0.6-	970408 046	0.9-	0.4-
951003 046	0.1-	0.0	951021 046	0.0	0.2+	970408 046	1.0-	0.4-
951003 046	0.5-	0.8-	951021 046	1.6+	0.0	970410 046	0.1-	0.6-
951003 046	1.4+	0.3+	951021 046	0.7+	0.9-	970410 046	0.4-	0.7-
951003 046	0.2+	0.3+	951110 046	0.1-	0.6-	970410 046	0.4-	0.2-
951003 046	0.3+	0.1-	951110 046	0.0	0.7-	970411 704	0.9+	0.5+
951004 046	0.1+	0.4+	951110 046	0.0	0.5-	970411 704	0.6+	0.7-
951004 046	0.3+	0.6+	951126 046	0.5-	0.5+	970411 704	0.9+	1.3+
951004 046	0.2-	0.5+	951126 046	0.5-	0.1+	970411 704	0.3+	0.2+
951005 046	0.5-	0.3+	951126 046	0.8-	0.6-			

1995 UQ₁

Epoch 1997 June 1.0 TT = JDT 2450600.5				Marsden			
<i>M</i>	157.55208		(2000.0)	P		Q	
<i>n</i>	0.27167554	ω	182.65538	+0.79965501		-0.59877790	
<i>a</i>	2.3610346	Ω	214.25538	+0.55237090		+0.76288071	
<i>e</i>	0.2315289	<i>i</i>	4.57624	+0.23545330		+0.24388123	
<i>P</i>	3.63	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

951022 046	0.1-	0.3-	951027 046	0.4+	0.3-	960111 046	0.1+	0.1+
951022 046	1.1-	0.3-	951112 046	0.4-	0.5+	960111 046	0.2-	0.3+
951024 046	0.6+	0.4-	951112 046	0.5-	0.5+	960114 046	0.2+	0.1+
951024 046	0.5+	0.4-	951112 046	0.6-	0.2+	960114 046	0.5+	0.2+
951024 046	0.4+	0.4-	951121 046	0.1-	0.2-	960114 046	0.3+	0.2-
951024 046	0.6+	0.4-	951121 046	0.3+	0.1-	970403 046	0.6-	0.2-
951025 046	0.3+	0.3-	951121 046	0.2+	0.1-	970403 046	0.2-	0.5+
951025 046	0.2+	0.3-	951209 046	0.0	0.1+	970403 046	0.3+	0.1-
951025 046	0.2+	0.2-	951209 046	0.3-	0.6+	970409 046	0.3-	1.4-
951027 046	0.1+	0.4-	951209 046	0.6-	0.3+	970410 046	0.3-	1.0-
951027 046	0.1-	0.3-	960111 046	0.1-	0.5+	970410 046	0.2+	0.5-

1995 UW₃ = 1980 TN₆ = 1997 GM

Epoch 1997 June 1.0 TT = JDT 2450600.5				Williams			
<i>M</i>	159.87837		(2000.0)	P		Q	
<i>n</i>	0.26555979	ω	22.43551	+0.86970669		-0.49353992	
<i>a</i>	2.3971461	Ω	7.14501	+0.44606180		+0.78131031	
<i>e</i>	0.1987813	<i>i</i>	2.46471	+0.21127976		+0.38206353	
<i>P</i>	3.71	<i>H</i>	15.5	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

801008 095	0.5+	1.1-	951118 411	0.4-	1.5+	970403 816	0.7+	0.1-
951020 411	0.6+	0.2-	951118 411	0.3+	0.6+	970405 816	0.9+	0.5+
951020 411	0.5+	0.6-	951123 691	0.5-	0.2+	970405 816	0.7+	0.2+
951024 691	0.6-	0.7-	951123 691	0.4-	0.2+	970405 816	0.1+	0.6+
951024 691	0.7-	0.6-	951123 691	0.6-	0.3+	970405 816	0.0	0.5+
951024 691	0.6-	0.5-	951130 691	0.3-	0.5+	970407 691	0.6-	0.6-
951025 411	0.1+	0.3-	951130 691	0.3-	0.6+	970407 691	0.5-	0.4-
951025 411	0.5-	0.5-	951130 691	0.4-	0.7+	970407 691	0.9-	0.6-
951027 411	0.6+	0.3+	970304 691	0.4-	0.1-	970413 691	0.5-	0.6-
951027 411	0.4+	0.5-	970304 691	0.6-	0.3-	970413 691	0.4-	0.8-
951101 411	0.5+	0.1+	970304 691	0.3-	0.5-	970413 691	0.5-	0.7-
951101 411	0.9+	0.5-	970403 816	0.3+	0.2+	970416 691	0.2-	0.8-
951109 411	0.6+	0.7-	970403 816	0.4+	1.0+	970416 691	0.2-	0.9-
951109 411	0.8+	0.8-	970403 816	0.7+	0.7+	970416 691	0.3-	0.8-

1995 UU₄

Id. E. Bowell (1989 observations)					
Epoch 1997 June 1.0 TT = JDT 2450600.5					
			Williams		
<i>M</i>	146.80035		(2000.0)	P	Q
<i>n</i>	0.18962340	ω	137.90032	+0.98210146	-0.13708956
<i>a</i>	3.0005999	Ω	230.44703	+0.09405570	+0.95107860
<i>e</i>	0.1105732	<i>i</i>	9.64361	+0.16318778	+0.27686810
<i>P</i>	5.20	<i>H</i>	12.0	<i>G</i>	0.15
				<i>U</i>	5

Residuals in seconds of arc

890802 675	0.7-	1.3+	951102 411	0.2+	0.1+	951126 046	0.3+	0.3-
890802 675	0.3-	0.6+	951111 411	0.3-	1.1+	951126 046	0.1+	0.2-
890830 675	0.3+	0.1+	951111 411	0.9-	0.7+	951126 046	0.1+	0.1-
890830 675	0.7+	2.0-	951116 399	0.4+	0.8+	951126 046	0.2+	0.2-
951025 411	0.4+	0.4+	951116 399	0.4-	0.2-	951127 046	0.2+	0.2-
951025 411	0.6-	0.1-	951117 399	0.3-	0.1+	951127 046	0.2+	0.2-
951026 411	0.4+	0.1-	951117 399	0.6-	0.2+	951127 046	0.1+	0.2-
951026 411	0.5+	1.0-	951125 046	0.5-	0.8-	951129 411	0.1-	0.4-
951102 411	0.2+	0.1+	951125 046	0.4+	0.8+	951129 411	0.1-	0.2-

1995 UH₆ = 1997 GW

Id. M. Tichý					
Epoch 1997 June 1.0 TT = JDT 2450600.5					
			Marsden		
<i>M</i>	156.85541		(2000.0)	P	Q
<i>n</i>	0.21923058	ω	337.62006	+0.97554043	-0.20970464
<i>a</i>	2.7239677	Ω	34.69258	+0.21512140	+0.84908873
<i>e</i>	0.0428377	<i>i</i>	6.65029	+0.04520684	+0.48484254
<i>P</i>	4.50	<i>H</i>	13.5	<i>G</i>	0.15
				<i>U</i>	4

Residuals in seconds of arc

951027 411	0.6+	0.7+	951127 411	0.1-	0.6+	970402 046	0.2+	0.7-
951027 411	0.3+	0.1+	951127 411	0.7+	0.7-	970402 046	0.2-	0.7-
951029 411	0.5+	0.1-	951130 327	0.1+	0.2-	970402 046	0.2+	0.4-
951029 411	0.9-	0.7-	951130 327	0.4-	0.7-	970407 046	0.1-	0.6+
951102 411	0.3-	0.0	951130 327	0.1-	0.7-	970407 046	0.0	0.8+
951102 411	0.2-	0.0	951202 327	0.3+	0.5+	970407 046	0.2-	0.2+
951111 411	0.1+	0.1-	951202 327	0.3+	0.2+	970407 046	0.1+	0.8+
951111 411	0.6-	1.2+	951202 327	0.4-	0.0			
951118 411	0.1+	0.0	970402 046	0.0	0.5-			

1995 UB₇ = 1978 TC₂

Id. T. Urata, E. Bowell (1953 observations)					
Epoch 1997 June 1.0 TT = JDT 2450600.5					
			Nakano		
<i>M</i>	169.95081		(2000.0)	P	Q
<i>n</i>	0.23443451	ω	159.55418	+0.99667613	+0.00162705
<i>a</i>	2.6048838	Ω	200.85943	-0.01722067	+0.98141569
<i>e</i>	0.1568690	<i>i</i>	13.22302	+0.07962499	+0.19188691
<i>P</i>	4.20	<i>H</i>	13.5	<i>G</i>	0.15
				<i>U</i>	2

Residuals in seconds of arc

531010 675	0.4-	0.2-	951027 399	0.7-	0.9+	951117 905	0.6-	2.0-
531010 675	0.4+	0.3+	951028 399	0.4+	2.2+	951217 385	0.3+	0.1-
781003 095	0.2+	1.5-	951028 399	(0.7+	2.6+)	951217 385	0.4+	0.1-
781007 095	(1.6-	13.5+)	951103 385	0.0	0.7-	951217 385	0.3+	0.2-
951026 905	0.8+	0.6+	951103 385	0.3-	0.7-	970308 385	0.7+	0.2-
951026 905	0.0	0.0	951103 385	0.1+	0.8-	970308 385	0.9-	0.6-

951027 905 0.9- 0.5+	951116 905 0.0 0.1+	970308 385 0.3- 0.1-
951027 905 0.5+ 0.4+	951116 905 0.2- 0.3+	970331 385 0.1- 1.2+
951027 399 0.2+ 0.6+	951117 905 0.1- 0.2+	970331 385 0.6+ 0.7-

1995 UL₈ = 1997 GR₂₂

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	127.57785	(2000.0)	
<i>n</i>	0.27249522	ω 44.24258	+0.06610743 -0.99726524
<i>a</i>	2.3562975	Ω 41.99969	+0.90122408 +0.04546154
<i>e</i>	0.1731767	<i>i</i> 2.83057	+0.42828142 +0.05826917
<i>P</i>	3.62	<i>H</i> 15.0	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

951015 327 0.3- 0.3+	951028 327 0.3+ 0.3-	951118 411 0.5- 0.2-
951015 327 0.3- 0.2+	951101 411 0.9- 0.3+	970406 704 0.2- 0.0
951015 327 0.1- 0.2+	951101 411 0.3+ 0.7+	970406 704 0.2- 0.3+
951027 411 0.7- 0.8-	951103 411 0.1+ 0.9-	970408 704 0.6+ 0.1+
951027 411 0.7+ 0.5+	951103 411 0.2- 0.3-	970408 704 0.2- 0.3-
951028 327 0.8+ 0.1-	951111 411 0.0 0.1-	
951028 327 0.6+ 0.0	951118 411 0.2+ 0.6+	

1995 UU₁₄ = 1997 FL₄

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	34.25111	(2000.0)	
<i>n</i>	0.26763552	ω 220.87598	-0.98660455 -0.16179440
<i>a</i>	2.3847355	Ω 309.80055	+0.15583974 -0.89704233
<i>e</i>	0.1358262	<i>i</i> 1.55388	+0.04822274 -0.41126345
<i>P</i>	3.68	<i>H</i> 16.5	<i>G</i> 0.15 <i>U</i> 5

Residuals in seconds of arc

951017 691 0.7+ 0.2-	951116 691 0.3+ 0.0	970405 704 0.5+ 0.1+
951017 691 0.0 0.2-	951116 691 0.2+ 0.1+	970405 704 0.2- 0.0
951017 691 0.4+ 0.2+	951121 691 0.1- 0.6-	970406 704 0.2- 0.4-
951023 691 1.3- 0.1-	951121 691 0.1- 0.2-	970406 704 0.5+ 0.3+
951023 691 0.1- 0.2+	951121 691 0.4- 0.7+	970407 704 0.2- 0.4+
951023 691 0.2- 0.0	970331 704 0.1+ 0.1-	970407 704 0.4- 0.4-
951116 691 0.5+ 0.0	970331 704 0.0 0.1+	

1995 VE = 1984 MC = 1997 GT₆

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	188.27461	(2000.0)	
<i>n</i>	0.30205411	ω 35.80180	+0.75474841 -0.65599627
<i>a</i>	2.1999503	Ω 5.20150	+0.58868462 +0.67398908
<i>e</i>	0.0707594	<i>i</i> 3.08064	+0.28949137 +0.33971697
<i>P</i>	3.26	<i>H</i> 15.5	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

840621 691 0.1+ 0.2+	951111 411 0.4- 0.6+	951129 587 1.3- 0.4-
951101 411 0.5- 0.0	951124 587 1.3+ 1.5+	951129 587 1.1- 0.2+
951101 411 0.4+ 0.2-	951124 587 0.6+ 0.5+	951129 587 0.8- 0.5-
951102 411 0.6- 0.2-	951124 587 1.3+ 0.0	970402 704 0.1+ 0.1-
951102 411 0.4- 0.1+	951126 411 0.1+ 0.7-	970402 704 0.1- 0.5-
951103 411 0.5+ 0.7-	951126 411 0.4- 0.1+	970406 704 0.5+ 0.6+
951103 411 1.2+ 0.5+	951128 587 0.5+ 0.1+	970406 704 0.5- 0.2-
951111 411 0.1- 0.5-	951128 587 0.2- 0.3-	

1995 VJ = 1997 GB₂₀

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	98.73554	(2000.0)	
<i>n</i>	0.23856857	ω 53.00501	-0.09652355 -0.99467044
<i>a</i>	2.5747035	Ω 42.57869	+0.89533345 -0.10267792
<i>e</i>	0.1338340	<i>i</i> 3.07102	+0.43481169 -0.00937911
<i>P</i>	4.13	<i>H</i> 15.0	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

951015 327 0.4- 0.3-	951101 411 0.5+ 0.1+	951112 411 0.4- 0.1+
951015 327 0.2- 0.1-	951101 411 0.7+ 1.8+	951118 411 0.4+ 0.9-
951015 327 0.4+ 0.1-	951102 411 0.1+ 0.4-	951118 411 0.6- 0.1+
951027 411 1.4- 0.0	951102 411 0.2+ 0.2-	970405 704 0.0 0.2+
951027 411 0.1+ 0.6+	951103 411 1.3- 0.1+	970405 704 0.2- 0.8+
951028 327 0.2+ 0.0	951103 411 0.3- 0.6-	970406 704 0.5+ 0.2-
951028 327 0.5+ 0.1+	951112 411 1.0+ 0.9+	970406 704 0.3- 0.8-
951028 327 0.7+ 0.6-	951112 411 0.2- 0.4-	

1995 VP₁

Id. E. Bowell (1988 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	196.02346	(2000.0)	
<i>n</i>	0.28741210	ω 276.08718	+0.99010507 -0.09480350
<i>a</i>	2.2740465	Ω 89.38559	+0.12848005 +0.90892991
<i>e</i>	0.2177450	<i>i</i> 5.93887	-0.05643436 +0.40602798
<i>P</i>	3.43	<i>H</i> 14.5	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

881009 675 0.2+ 0.4-	951115 400 0.9+ 0.1-	951125 400 0.2- 0.4-
881009 675 0.0 0.4+	951116 400 (3.0- 1.8-)	951218 400 0.6+ 0.1-
881104 675 0.3+ 0.1+	951116 400 (2.1+ 2.9-)	951218 400 0.8+ 0.7-
881104 675 0.4- 0.5-	951122 400 (3.0- 0.1-)	
951115 400 1.4- 1.0+	951125 400 0.7- 0.6+	

1995 VJ₂

Id. T. Urata (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Urata	
<i>M</i>	154.25032	(2000.0)	
<i>n</i>	0.25399745	ω 334.65793	+0.72693416 -0.64150402
<i>a</i>	2.4693528	Ω 67.51741	+0.66652503 +0.57325435
<i>e</i>	0.1148087	<i>i</i> 15.37791	+0.16526077 +0.50975685
<i>P</i>	3.88	<i>H</i> 14.0	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

951113 905 1.3+ 1.8-	951215 905 1.1- 0.6-	960113 385 0.4- 0.6+
951113 905 1.3+ 1.7-	951215 905 0.3+ 0.1+	960113 385 0.0 0.0
951116 905 1.2- 0.4+	951222 385 0.0 0.4+	960220 887 0.5- 0.5-
951116 905 1.6- 0.1-	951222 385 0.2+ 0.2+	960220 887 0.5- 0.7-
951125 905 0.3- 0.8-	951222 385 0.3+ 0.6+	960220 887 0.3- 0.2-
951125 905 0.9- 0.1+	951223 566 0.2+ 0.4+	970309 385 0.3+ 0.1+
951201 385 0.5+ 1.2+	951223 566 0.4+ 0.2+	970309 385 0.5- 0.2-
951201 385 0.5+ 1.0+	951223 566 0.3+ 0.2+	970412 385 0.2- 0.5-
951201 385 0.4+ 0.7+	960113 385 0.6+ 0.2-	970412 385 0.2+ 0.2+

1995 VP₁₇ = 1997 GD₁₀

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	111.30526	(2000.0)	
		P	Q
<i>n</i>	0.25795665	ω 47.77029	-0.04203899 -0.99874701
<i>a</i>	2.4440208	Ω 44.66135	+0.90491877 -0.04958005
<i>e</i>	0.0442269	<i>i</i> 2.21362	+0.42350293 +0.00679950
<i>P</i>	3.82	<i>H</i> 16.5	<i>G</i> 0.15 <i>U</i> 5

Residuals in seconds of arc

951115 691	0.3-	0.2+	951121 691	0.2-	0.0	970403 704	1.2+	0.6-
951115 691	0.2-	0.0	951127 691	0.3+	0.1-	970406 704	0.4-	0.7+
951115 691	0.2-	0.1+	951127 691	0.1+	0.4-	970406 704	0.1+	0.4-
951121 691	0.0	0.1+	951127 691	0.3+	0.0	970407 704	0.0	0.3-
951121 691	0.1+	0.1+	970403 704	0.6+	0.2+	970407 704	1.4-	0.3+

1995 WB = 1978 WP₁₁ = 1982 UX₁ = 1986 TS₁₄Id. T. Kobayashi (*MPC* 26184)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	119.61033	(2000.0)	
		P	Q
<i>n</i>	0.23113039	ω 323.64574	+0.31141185 -0.94940560
<i>a</i>	2.6296504	Ω 108.17885	+0.88163607 +0.27269527
<i>e</i>	0.1180767	<i>i</i> 2.45161	+0.35459908 +0.15577641
<i>P</i>	4.26	<i>H</i> 14.0	<i>G</i> 0.15 <i>U</i> 2

Residuals in seconds of arc (or two decimals in units of degrees)

781129 675	0.6-	0.6-	951116 411	0.4-	0.6+	970401 611	0.8+	1.1-
781130 675	0.2+	1.4-	951116 411	1.0+	0.2+	970402 611	0.2-	1.3-
781203 323	0.4-	1.4+	951117 411	0.0	0.1+	970402 611	0.8+	0.2+
781203 323	0.7+	0.7+	951117 411	0.6+	1.6+	970402 611	1.1-	0.2-
821016 046	1.0+	1.6-	951124 411	0.2-	0.5-	970402 611	0.1-	0.4-
821016 046	0.2+	1.3-	951124 411	1.1-	0.8-	970406 611	1.9-	1.8+
861006 095	(0.03+	0.01+)	970401 611	0.3-	0.7-	970406 611	1.0+	0.5-

1995 WF

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Nakano	
<i>M</i>	154.79417	(2000.0)	
		P	Q
<i>n</i>	0.26763699	ω 163.11088	+0.64398575 -0.74626516
<i>a</i>	2.3847268	Ω 246.45904	+0.67896583 +0.65896638
<i>e</i>	0.2063747	<i>i</i> 10.58690	+0.35254470 +0.09408304
<i>P</i>	3.68	<i>H</i> 15.1	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

951116 360	0.1+	0.0	951120 608	0.2+	0.2+	960112 360	0.1-	1.3-
951116 360	0.1+	0.1+	951121 360	0.0	0.2+	960112 360	0.9-	0.6-
951116 360	0.2+	0.0	951121 360	0.1+	0.2+	960113 608	0.6-	1.2-
951117 608	0.5+	0.2-	951121 360	0.0	0.2+	960113 608	0.5-	1.0-
951117 608	0.3+	0.1-	951210 360	0.1+	0.2+	970319 608	0.3-	1.9+
951117 360	0.3-	0.2+	951210 360	0.0	0.5+	970319 608	0.3-	1.5+
951117 360	0.0	0.4+	951215 905	0.2-	0.1+	970331 360	0.2+	0.0
951117 360	0.0	0.4+	951215 905	0.7+	0.1+	970331 360	0.6+	0.3-
951118 360	0.0	0.3+	951217 360	0.3+	0.3+	970331 360	0.2-	0.1+
951118 360	0.2-	0.3+	951217 360	0.1+	0.4+	970404 608	0.0	0.2+
951118 360	0.2-	0.3+	951219 905	1.1-	1.4+	970404 608	0.1+	0.3+
951119 608	0.3+	0.6+	951219 905	0.2+	0.7-	970407 360	0.0	0.5-
951119 608	0.3+	0.6+	960112 608	0.3-	0.9-	970407 360	0.2+	0.1+
951120 608	0.3+	0.1-	960112 608	0.5-	0.9-	970407 360	0.1+	0.5-

1995 WL = 1997 EC₃₅

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	176.95342	(2000.0)	
		P	Q
<i>n</i>	0.19502482	ω 234.73671	+0.95246920 +0.29940042
<i>a</i>	2.9449378	Ω 107.78408	-0.25679465 +0.88839719
<i>e</i>	0.0966173	<i>i</i> 3.38539	-0.16388695 +0.34800836
<i>P</i>	5.05	<i>H</i> 12.0	<i>G</i> 0.15 <i>U</i> 5

Residuals in seconds of arc

951116 411	1.0-	0.2+	951127 411	2.2+	0.3+	970304 704	0.4-	0.2-
951116 411	0.0	0.7-	951127 411	1.2+	0.8-	970304 704	0.1-	0.6-
951117 411	0.5-	0.1-	951201 411	1.3+	0.7-	970305 704	0.4+	0.1+
951117 411	0.9-	0.7+	951201 411	1.5+	0.0	970305 704	0.3+	0.3+
951124 411	0.0	0.9-	951208 411	1.8-	0.8+	970306 704	0.1+	0.2+
951124 411	0.0	0.0	951208 411	2.2-	1.2+	970306 704	0.3-	0.1+

1995 WN = 1994 JR₉

Id. E. Bowell (1991 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	220.41722	(2000.0)	
		P	Q
<i>n</i>	0.27796148	ω 257.63838	+0.92523946 +0.37084760
<i>a</i>	2.3253035	Ω 80.55077	-0.30887788 +0.85881922
<i>e</i>	0.1582456	<i>i</i> 4.65327	-0.22028707 +0.35341420
<i>P</i>	3.55	<i>H</i> 14.5	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

910806 675	0.4+	1.1+	951116 411	0.9-	0.7+	951127 411	0.7-	0.5+
910806 675	0.4-	1.1-	951117 411	1.8+	0.6-	951201 411	0.3-	0.6+
940515 691	0.1+	0.2-	951117 411	2.2+	1.5-	951201 411	0.6-	0.4+
940515 691	0.3-	0.1+	951124 411	0.3-	0.7-	951217 411	0.0	0.2-
940515 691	0.1+	0.1-	951124 411	0.3-	0.7+	951217 411	0.3+	1.0-
951116 411	0.4-	0.4-	951127 411	0.9-	1.3+			

1995 WL₄ = 1997 GA₆

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	129.05613	(2000.0)	
		P	Q
<i>n</i>	0.25479304	ω 306.37175	+0.10705575 -0.99348788
<i>a</i>	2.4642098	Ω 137.43042	+0.92967874 +0.08612038
<i>e</i>	0.1519796	<i>i</i> 3.30488	+0.35247200 +0.07459969
<i>P</i>	3.87	<i>H</i> 15.0	<i>G</i> 0.15 <i>U</i> 5

Residuals in seconds of arc

951120 411	0.8+	1.0-	951201 411	0.8-	0.5+	970402 704	0.5+	0.9+
951120 411	1.4+	0.0	951201 411	0.2-	1.4+	970402 704	1.0-	0.9+
951124 411	0.1-	0.4-	951209 411	0.1+	1.3-	970406 704	0.7-	0.1+
951124 411	0.9-	0.0	951209 411	0.5+	1.0-	970406 704	1.1+	1.8-
951128 411	0.3-	0.6+	951220 411	0.4-	0.2+			
951128 411	0.9-	0.8+	951220 411	0.9+	0.2+			

1995 WS₇ = 1991 RT₄₁

Id. E. Bowell (1990 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	68.25644	(2000.0)	
		P	Q
<i>n</i>	0.29558651	ω 85.37903	-0.99691502 -0.07596295
<i>a</i>	2.2319252	Ω 90.26352	+0.06187916 -0.91546289
<i>e</i>	0.0668084	<i>i</i> 1.13169	+0.04828468 -0.39516746
<i>P</i>	3.33	<i>H</i> 14.5	<i>G</i> 0.15 <i>U</i> 5

Residuals in seconds of arc

900401 675 0.5- 0.0	951127 411 0.6- 0.0	951201 411 0.5+ 0.7-
900401 675 0.5+ 0.1-	951127 411 0.6+ 0.0	951210 411 0.2+ 1.4+
910908 691 0.1- 0.2-	951128 411 0.4- 0.2+	951210 411 0.3- 0.4+
910908 691 0.1- 0.3+	951128 411 0.2+ 0.9-	951217 411 0.4- 0.3-
910908 691 0.2+ 0.0	951201 411 0.2- 0.4-	951217 411 0.4+ 0.2+

1995 WW₁₇ = 1997 FJ₃

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.31084214	ω 212.25397	-0.58519242 +0.81044837
<i>a</i>	2.1582883	Ω 21.96594	-0.72788511 -0.51038114
<i>e</i>	0.0795332	<i>i</i> 4.12299	-0.35739768 -0.28754917
<i>P</i>	3.17	<i>H</i> 16.0	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

951024 691 0.1- 0.1-	951130 691 0.0 0.0	970405 704 0.6+ 0.7+
951024 691 0.2- 0.0	951130 691 0.1- 0.0	970406 704 0.5+ 0.1-
951024 691 0.2- 0.0	951130 691 0.1- 0.2+	970406 704 0.2- 0.3-
951117 691 0.1+ 0.1-	970331 704 0.7+ 0.1+	970406 566 1.1- 0.5-
951117 691 0.2+ 0.1-	970331 704 0.8+ 0.3+	970406 566 1.4- 0.4-
951117 691 0.3+ 0.0	970403 704 0.5+ 0.1-	970406 566 1.3- 0.3-
951123 691 0.1+ 0.1-	970403 704 0.3+ 0.0	
951123 691 0.2+ 0.0	970405 704 0.7+ 0.5+	

1995 XJ

Id. M. Tichý (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Marsden	
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.21002833	ω 345.12161	+0.38924360 -0.90363437
<i>a</i>	2.8029636	Ω 81.71086	+0.86249791 +0.28942942
<i>e</i>	0.1380348	<i>i</i> 10.40404	+0.32339877 +0.31571433
<i>P</i>	4.69	<i>H</i> 14.0	<i>G</i> 0.15 <i>U</i> 3

Residuals in seconds of arc

951128 046 0.1+ 0.1-	951227 046 0.0 0.4-	960310 046 0.5+ 0.1-
951128 046 0.1- 0.0	951227 046 0.1- 0.4-	960310 046 0.5- 0.1+
951128 046 0.0 0.0	951227 046 0.1+ 0.0	960310 046 0.0 0.3-
951210 046 0.0 0.1-	951228 046 0.4- 0.1-	960320 046 0.3- 0.3-
951210 046 0.2+ 0.3-	951228 046 0.4- 0.1-	960320 046 0.1- 0.2-
951210 046 0.2+ 0.2-	951228 046 0.6- 0.0	960320 046 0.5- 0.5-
951210 046 0.3+ 0.2-	960110 046 0.1- 0.5+	970403 046 0.1- 0.3+
951210 046 0.3+ 0.2+	960110 046 0.0 0.4+	970403 046 0.4+ 0.4+
951210 046 0.2- 0.5+	960110 046 0.2+ 0.6+	970403 046 0.4+ 0.5+
951210 046 0.2+ 0.1-	960111 046 0.1+ 0.0	970408 046 0.3- 0.1+
951210 046 0.1- 0.5-	960111 046 0.3+ 0.2+	970408 046 0.0 0.1-
951210 046 0.3- 0.1-	960111 046 0.1- 0.2+	970408 046 0.8- 0.2-
951217 046 0.1+ 0.1+	960209 046 0.5+ 0.6+	970408 046 0.1+ 0.6-
951217 046 0.1- 0.1-	960209 046 0.6+ 0.1+	970408 046 0.4+ 0.5-
951218 046 0.1- 0.0	960209 046 0.2+ 0.6+	970408 046 0.0 0.1-

1995 XR₁ = 1972 YB

Id. E. Bowell (1988 observations), S. Nakano

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.30085373	ω 250.39849	+0.94877886 +0.29108008
<i>a</i>	2.2057982	Ω 92.52649	-0.22360528 +0.89334660
<i>e</i>	0.2186111	<i>i</i> 7.06326	-0.22320248 +0.34235106
<i>P</i>	3.28	<i>H</i> 13.0	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

721229 029 1.9+ 0.7+	951215 411 0.2+ 0.0	951230 411 0.0 0.1+
721229 029 1.9- 0.1-	951215 411 1.2- 0.3+	951230 411 0.4+ 0.5-
881009 675 0.0 0.4-	951216 411 0.5+ 0.7-	960109 411 0.3+ 0.2+
881009 675 0.3- 0.4+	951216 411 0.3- 0.5-	960109 411 0.2+ 0.5-
881104 675 0.4- 0.4-	951220 411 0.4- 0.5+	
881104 675 0.8+ 0.3+	951220 411 0.1+ 0.7+	

1995 YK

Id. T. Urata (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Urata	
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.19214694	ω 297.67115	+0.75967184 -0.62307421
<i>a</i>	2.9742701	Ω 101.47983	+0.64326122 +0.67793691
<i>e</i>	0.1803180	<i>i</i> 10.95393	+0.09546567 +0.39010265
<i>P</i>	5.13	<i>H</i> 13.5	<i>G</i> 0.15 <i>U</i> 3

Residuals in seconds of arc

951217 385 0.4- 0.1-	951223 566 0.7- 0.6+	960127 385 1.1+ 0.0
951217 385 0.3+ 0.3-	951223 566 0.5- 0.9+	960221 887 0.3+ 0.2-
951217 385 0.1- 0.1-	951223 566 0.6- 0.8+	960221 887 0.4+ 0.3-
951219 887 0.4+ 0.4+	951226 887 0.1- 0.1-	960221 887 0.2+ 0.1-
951219 887 2.0+ 0.2-	951226 887 0.1+ 0.2-	970309 385 0.3- 0.2+
951219 887 0.0 0.3-	951226 887 0.2+ 0.1-	970309 385 0.4+ 0.4+
951221 887 0.2+ 0.1+	960113 385 0.7- 0.1+	970309 385 0.4+ 0.1-
951221 887 0.1- 0.2-	960113 385 0.9- 0.2-	970412 385 0.1+ 0.3+
951221 887 0.1+ 0.1-	960113 385 1.0- 0.3-	970412 385 0.5- 0.6-
951221 887 0.0 0.3-	960127 385 (1.3+ 2.5-)	

1995 YT = 1976 SU₆ = 1997 GE₂₅

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.26461148	ω 205.54185	+0.98286051 -0.18411517
<i>a</i>	2.4028699	Ω 165.05884	+0.17473142 +0.91427134
<i>e</i>	0.2574636	<i>i</i> 2.07105	+0.05877196 +0.36084556
<i>P</i>	3.72	<i>H</i> 15.5	<i>G</i> 0.15 <i>U</i> 5

Residuals in seconds of arc

760925 095 0.0 0.0	951226 411 0.2- 0.4+	970412 691 0.4+ 0.2+
951217 411 0.3+ 0.0	951226 411 0.3+ 0.2-	970413 691 0.3- 0.3+
951217 411 0.4+ 1.1+	951230 411 0.9+ 0.1-	970413 691 0.0 0.1+
951221 411 0.3- 0.4+	951230 411 1.9+ 1.5-	970413 691 0.3- 0.3+
951221 411 0.7- 1.2+	970407 691 1.5- 1.0-	970416 691 0.1+ 0.1-
951221 411 1.6- 0.4+	970407 691 0.2+ 0.1+	970416 691 0.3- 0.5+
951224 411 0.2- 0.8-	970407 691 0.0 0.2+	970416 691 0.0 0.3-
951224 411 1.3- 0.2-	970412 691 0.7+ 0.2-	
951224 411 0.6+ 0.7-	970412 691 0.9+ 0.2+	

1995 YC₅ = 1997 EM₃₄

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	268.98517	ω 191.78385	+0.20866708 +0.97642148
<i>a</i>	2.3325737	Ω 90.27871	-0.89273237 +0.21326585
<i>e</i>	0.2219446	<i>i</i> 3.17065	-0.39935819 +0.03344790
<i>P</i>	3.56	<i>H</i> 15.0	<i>G</i> 0.15 <i>U</i> 6

Residuals in seconds of arc

951216 691	0.1-	0.1+	951222 691	0.4+	0.2-	970304 704	0.1-	1.2+
951216 691	0.1-	0.0	951228 691	0.0	0.0	970305 704	1.4+	0.1+
951216 691	0.1-	0.0	951228 691	0.1-	0.0	970305 704	1.1-	2.2-
951222 691	0.1+	0.1-	951228 691	0.1-	0.1-	970306 704	0.7-	0.7-
951222 691	0.0	0.2+	970304 704	0.6+	1.3+	970306 704	0.2-	0.1+

1995 YE₆ = 1997 GK₂₂

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	12.33377	ω 359.82679	-0.79965180 +0.59983059
<i>a</i>	0.29538995	Ω 217.07616	-0.55085993 -0.75109446
<i>e</i>	2.2329152	<i>i</i> 2.62137	-0.23897770 -0.27579045
<i>P</i>	3.34	<i>H</i> 16.5	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

951119 691	0.3+	0.1+	951222 691	0.4+	0.1-	970406 704	0.3+	0.2-
951119 691	0.1-	0.2+	951222 691	0.5+	0.1-	970406 704	0.4-	0.8-
951119 691	0.1-	0.1-	951222 691	0.6+	0.0	970407 704	0.6+	0.0
951216 691	0.2-	0.1-	951228 691	0.4-	0.3+	970407 704	0.1+	0.8+
951216 691	0.2-	0.3-	951228 691	0.4-	0.3+	970408 704	0.2-	0.1+
951216 691	0.2-	0.2-	951228 691	0.1-	0.1+	970408 704	0.3-	0.0

1996 AL₂ = 1997 FE

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	354.66258	ω 134.14277	-0.47352780 +0.84876436
<i>a</i>	0.22915111	Ω 106.21790	-0.86177982 -0.39128235
<i>e</i>	2.6447710	<i>i</i> 14.18545	-0.18195321 -0.35566443
<i>P</i>	4.30	<i>H</i> 12.5	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

960113 385	0.2+	0.4-	960126 887	0.0	0.4+	970308 327	0.1+	0.1-
960113 385	0.5-	0.1-	960126 887	0.2+	0.1+	970308 327	0.9-	0.1+
960113 385	0.5-	0.4+	960126 887	0.1+	0.1+	970308 327	0.2+	0.0
960117 887	0.2-	0.3+	960210 385	0.5-	0.0	970318 327	0.0	0.0
960117 887	0.1-	0.1-	960210 385	0.1-	0.0	970318 327	0.0	0.0
960117 887	0.9+	0.3-	960210 385	0.7-	0.1-	970318 327	0.1+	0.1-
960124 887	0.0	0.3-	960221 887	0.3+	0.3+	970319 327	0.2+	0.3-
960124 887	0.2+	0.1-	960221 887	0.4+	0.2-	970319 327	0.1+	0.0
960124 887	0.2+	0.0	960221 887	0.2+	0.2+	970319 327	0.0	0.3+

1996 BX = 1997 GG₆

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	37.37191	ω 95.83558	-0.99058364 +0.12450663
<i>a</i>	0.20015790	Ω 91.32621	-0.13688777 -0.90802395
<i>e</i>	2.8943712	<i>i</i> 3.26506	+0.00240794 -0.39998826
<i>P</i>	4.92	<i>H</i> 14.0	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

960117 400	0.3+	0.0	960211 400	0.1-	0.0	970407 704	0.4+	0.1-
960117 400	0.1-	0.2+	960211 400	0.2+	0.4-	970407 704	0.2+	0.3+
960119 400	0.1+	0.4+	970402 704	1.0+	0.1-	970408 704	0.4-	0.5+
960119 400	0.1-	1.0-	970402 704	0.8-	0.1-	970408 704	0.2+	0.0
960123 400	0.1-	0.3+	970406 704	0.2-	0.2-			
960123 400	0.2-	0.4+	970406 704	0.4-	0.3-			

1996 CL = 1992 DK₁₃

Id. E. Bowell (1994 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	186.01871	ω 335.93023	+0.26323773 -0.95996580
<i>a</i>	0.25277248	Ω 98.69484	+0.90009806 +0.20866516
<i>e</i>	2.4773242	<i>i</i> 5.55963	+0.34717342 +0.18688102
<i>P</i>	3.90	<i>H</i> 13.5	<i>G</i> 0.15 <i>U</i> 2

Residuals in seconds of arc

920223 691	0.0	0.5-	960203 327	0.4+	0.2+	960327 327	0.5+	0.3+
920223 691	0.0	0.3+	960325 327	0.8-	0.4-	960327 327	0.6+	0.0
920223 691	0.1+	0.4+	960325 327	0.5+	0.2-	960408 327	0.1+	0.1-
940910 675	0.0	0.1-	960325 327	0.4+	0.5-	960408 327	0.4-	0.1+
940910 675	0.2+	0.2-	960325 327	0.1+	0.4+	960408 327	0.3-	0.2-
960201 327	0.3-	0.0	960325 327	0.3-	0.7+	960501 327	0.4-	0.4-
960201 327	0.4-	0.3-	960325 327	0.2-	1.0+	960501 327	0.6+	0.2-
960201 327	0.3-	0.3-	960327 327	0.1-	0.2-	960501 327	0.2+	0.6-
960203 327	0.7+	0.1+	960327 327	0.0	0.5-	960504 327	0.6+	0.2+
960203 327	0.4-	0.1-	960327 327	0.0	0.2+	960504 327	0.6-	0.6+
960203 327	0.3+	0.1-	960327 327	0.3-	0.2+	960504 327	0.2-	0.4-

1996 CK₂

Id. E. Bowell (1988, 1991, 1993 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	66.30396	ω 154.55423	-0.97679848 -0.20853298
<i>a</i>	0.18650845	Ω 13.67821	+0.14362746 -0.80680754
<i>e</i>	3.0339170	<i>i</i> 11.90282	+0.15885806 -0.55278892
<i>P</i>	5.28	<i>H</i> 12.5	<i>G</i> 0.15 <i>U</i> 2

Residuals in seconds of arc

880910 675	0.2+	0.2+	960212 399	0.0	0.3+	960224 399	1.3+	0.2+
880910 675	0.2-	0.5-	960212 399	0.0	0.5+	960224 399	0.4-	0.0
910416 675	0.9-	1.1-	960216 399	0.9+	1.1-	960309 399	0.8-	1.2+
910416 675	0.4+	0.0	960216 399	0.8+	0.6-	960309 399	1.2-	1.0-
930814 675	1.3+	1.2-	960222 399	1.0-	1.0-			
930814 675	0.2+	0.8-	960222 399	0.6-	0.1+			

1996 CW₂

Id. E. Bowell (1988, 1993 observations), A. Nakamura (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Nakano	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	267.71829	ω 345.51015	+0.87001775 +0.49136124
<i>a</i>	0.17472654	Ω 344.85922	-0.43554104 +0.72758791
<i>e</i>	3.1688143	<i>i</i> 8.90100	-0.23102624 +0.47872744
<i>P</i>	0.0850352	<i>H</i> 13.5	<i>G</i> 0.15 <i>U</i> 1

Residuals in seconds of arc

881109 675	0.9-	1.4+	960221 360	0.3+	0.5+	960317 691	1.4-	0.2-
881109 675	0.6+	0.4+	960221 360	0.4+	0.4+	960317 691	0.4-	0.0
931014 675	0.9+	0.1-	960222 360	0.6+	0.3+	960407 360	0.7-	0.6-
931014 675	0.4-	0.6-	960222 360	0.0	0.4+	960407 360	0.7-	0.2+
960215 691	0.6-	0.4+	960228 360	0.0	0.2+	960407 360	0.0	0.4-
960215 691	0.7-	0.0	960228 360	0.4+	0.4-	970331 360	0.3+	0.3+
960215 691	0.8-	0.0	960228 360	0.1+	0.4+	970331 360	0.2+	0.6+
960215 360	0.6+	0.4-	960312 691	0.7-	0.2-	970331 360	0.2-	0.4+
960215 360	0.7+	0.4-	960312 691	0.4-	0.1+	970407 360	0.1-	0.1-
960215 360	0.6+	0.4-	960312 691	0.4-	0.1+	970412 360	0.4+	0.1-
960216 608	1.2+	0.5-	960313 360	0.4+	0.4-	970412 360	0.0	0.5+
960216 608	1.1+	0.8-	960313 360	0.3+	0.2+			
960221 360	0.1+	0.2+	960317 691	1.0-	0.2-			

1996 DD₁

Epoch 1997 June 1.0 TT = JDT 2450600.5

			Williams		
<i>M</i>	(2000.0)		<i>P</i>	<i>Q</i>	
<i>n</i>	0.22559505	ω 343.99228	-0.18532904	-0.91829766	
<i>a</i>	2.6724916	Ω 115.55510	+0.93876977	-0.27067415	
<i>e</i>	0.0674912	<i>i</i> 22.81563	+0.29045561	+0.28890296	
<i>P</i>	4.37	<i>H</i> 14.5	<i>G</i> 0.15	<i>U</i>	4

Residuals in seconds of arc

960222 118	0.5-	0.0	960228 118	0.2-	0.5+	960417 118	0.3-	0.5-
960222 118	0.0	0.5+	960304 118	1.3+	0.5-	960418 118	0.2-	0.5-
960223 118	0.5-	1.0-	960307 118	0.3+	0.1+	960420 118	0.0	0.2-
960223 118	0.5-	1.1+	960308 118	0.4+	0.3-	970402 118	0.6+	0.4-
960223 118	0.1-	0.4+	960309 118	0.4+	0.0	970402 118	0.6+	0.2-
960223 118	0.3-	0.0	960320 118	0.2+	0.2+	970402 118	0.4-	0.2+
960227 118	0.1+	0.6-	960320 118	0.2-	0.6+	970403 118	0.1-	0.2+
960227 118	0.2-	0.3-	960410 118	0.4-	0.5+	970403 118	0.5-	0.2-
960227 118	0.0	0.3-	960410 118	0.0	0.9+	970403 118	0.1-	0.4+
960228 118	0.3+	0.1-	960417 118	0.4+	0.4-			

1996 DN₂ = 1968 KG = 1989 CO₆

Id. E. Bowell, G. V. Williams, S. Nakano

Epoch 1997 June 1.0 TT = JDT 2450600.5

			Williams		
<i>M</i>	(2000.0)		<i>P</i>	<i>Q</i>	
<i>n</i>	0.27836640	ω 145.83975	-0.96036696	+0.27446026	
<i>a</i>	2.3230480	Ω 50.16618	-0.26779717	-0.86008406	
<i>e</i>	0.1266209	<i>i</i> 3.63240	-0.07733038	-0.43003137	
<i>P</i>	3.54	<i>H</i> 14.0	<i>G</i> 0.15	<i>U</i>	3

Residuals in seconds of arc

680522 095	0.1-	0.3-	890329 675	0.6-	0.0	960228 411	0.1+	0.7+
890204 033	0.2+	0.6-	960223 411	1.2-	0.5-	960309 411	0.5+	0.5+
890204 033	0.6-	0.3-	960223 411	0.8-	0.8-	960309 411	0.6+	0.3+
890307 675	0.9+	0.2+	960227 411	0.1+	0.5+	960322 411	0.2-	0.1-
890307 675	0.5+	0.0	960227 411	0.2+	0.0	960322 411	0.9+	0.1+
890329 675	0.4-	0.4+	960228 411	0.3-	0.5-			

1996 GA₁₉ = 1989 EK₇

Id. E. Bowell, G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

			Williams		
<i>M</i>	(2000.0)		<i>P</i>	<i>Q</i>	
<i>n</i>	105.37934	ω 178.01603	-0.68613469	+0.72520877	
<i>a</i>	2.2670325	Ω 48.65307	-0.66849281	-0.59743430	
<i>e</i>	0.0569444	<i>i</i> 4.38287	-0.28694347	-0.34226378	
<i>P</i>	3.41	<i>H</i> 15.0	<i>G</i> 0.15	<i>U</i>	4

Residuals in seconds of arc

890306 033	0.1+	0.1+	960324 809	0.2+	0.0	960415 809	0.1-	0.5-
890306 033	0.2+	0.2+	960324 809	0.5+	0.4+	960415 809	0.3-	1.3-
890307 675	0.5-	0.2-	960324 809	0.5-	0.9+	960415 809	0.0	0.7-
890307 675	1.6+	0.1+	960327 809	0.9+	0.5+	960417 809	0.1-	0.5+
890329 675	1.0-	0.0	960327 809	0.5+	0.6+	960417 809	0.3-	0.0
890329 675	0.6-	0.9-	960327 809	0.3-	0.0	960417 809	0.1-	0.5+

1996 HD₁₃ = 1990 XC₂ = 1992 EJ₃₂

Id. E. Bowell (1989 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

			Williams		
<i>M</i>	(2000.0)		<i>P</i>	<i>Q</i>	
<i>n</i>	39.09493	ω 127.35877	+0.66508766	+0.74675701	
<i>a</i>	2.3044087	Ω 184.33528	-0.69901430	+0.62089533	
<i>e</i>	0.1661508	<i>i</i> 2.66689	-0.26274970	+0.23841762	
<i>P</i>	3.50	<i>H</i> 14.5	<i>G</i> 0.15	<i>U</i>	2

Residuals in seconds of arc

890507 675	0.8-	2.1-	960417 809	1.6+	1.9+	960523 691	0.9+	0.7-
890507 675	0.1-	1.0-	960417 809	(2.0+	2.4+)	960523 691	0.7+	0.1-
901210 372	2.2-	0.9-	960417 809	1.8+	1.7+	960523 691	0.5+	0.6+
901210 372	2.3+	0.2+	960418 809	0.2+	1.0+	960608 809	1.7-	0.5+
920302 809	0.4-	0.9-	960418 809	1.4+	1.1+	960608 809	1.0-	0.1+
920305 809	(0.1-	4.4-)	960418 809	0.3+	0.2+	960608 809	0.3-	0.5-
960323 566	0.8-	0.5-	960513 566	0.0	0.2-	960610 809	0.3-	1.9-
960323 566	1.2-	0.1-	960513 566	0.3+	0.4+	960610 809	0.9-	0.3-
960323 566	1.2-	0.2+	960513 566	0.5-	0.1+	960610 809	0.2+	0.9-

1996 SF₈ = 1992 VH

Id. E. Bowell, G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

			Williams		
<i>M</i>	(2000.0)		<i>P</i>	<i>Q</i>	
<i>n</i>	66.15773	ω 170.57288	+0.99518778	-0.09788572	
<i>a</i>	2.5561484	Ω 195.04671	+0.08875061	+0.91965006	
<i>e</i>	0.2716291	<i>i</i> 0.97906	+0.04152855	+0.38034477	
<i>P</i>	4.09	<i>H</i> 15.0	<i>G</i> 0.15	<i>U</i>	4

Residuals in seconds of arc

921021 675	1.0+	0.1-	960921 327	0.0	0.3+	961010 358	0.8-	1.3-
921021 675	0.3+	0.6+	960922 327	0.1-	0.1+	961014 327	0.3+	0.1+
921102 399	1.7-	1.2+	960922 327	0.4-	0.2-	961014 327	0.2-	0.1+
921102 399	1.1-	1.3+	960922 327	0.3-	0.1+	961014 327	0.3-	0.2+
921102 376	0.6-	0.1-	961005 327	0.1-	0.3-	961018 358	0.9+	1.1-
921102 376	0.4+	0.8+	961005 327	0.4+	0.8-	961018 358	0.3-	1.4-
921127 675	0.4+	1.3-	961005 327	0.5+	0.7-	961108 691	0.3-	0.0
921127 675	1.2+	1.1-	961009 358	0.2+	1.4+	961108 691	0.2-	0.2-
960921 327	0.0	0.1-	961009 358	0.9+	2.4+	961108 691	0.0	0.2-
960921 327	0.1+	0.6-	961010 358	0.1+	0.7+			

1996 TS₅ = 1991 CQ₃

Id. K. Ichikawa

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		Williams	
<i>M</i>	(2000.0)	P	Q	<i>G</i>	<i>U</i>
<i>n</i>	0.28731045	ω	216.49418	-0.85565102	-0.37659835
<i>a</i>	2.2745829	Ω	297.63868	+0.51630462	-0.66873224
<i>e</i>	0.1895155	<i>i</i>	23.62461	-0.03592865	-0.64107010
<i>P</i>	3.43	<i>H</i>	14.0	0.15	4

Residuals in seconds of arc

910210 413	0.8-	0.4+	961008 693	1.2+	0.4-	961118 696	0.3+	0.4+
910211 413	0.8+	0.5-	961017 693	0.4-	0.4+	970329 696	0.5-	0.0
961007 693	0.4-	0.2-	961017 693	1.5-	0.4-	970329 696	0.2-	0.0
961007 693	1.0-	0.2-	961118 696	0.3+	0.3+	970329 696	0.8+	0.0
961008 693	1.3+	0.3-	961118 696	0.3+	0.3+			

1996 TX₈

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		Williams	
<i>M</i>	(2000.0)	P	Q	<i>G</i>	<i>U</i>
<i>n</i>	0.28249796	ω	342.79681	+0.68743630	+0.69582705
<i>a</i>	2.3003425	Ω	329.59623	-0.60857082	+0.39564189
<i>e</i>	0.2441564	<i>i</i>	24.26490	-0.39632423	+0.59940989
<i>P</i>	3.49	<i>H</i>	14.5	0.15	5

From 24 observations 1996 Oct. 10-1997 Mar. 29, mean residual 0^{''}.74.**1996 TU₁₃ = 1969 EB₂**

Id. E. Bowell (1988 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		Williams	
<i>M</i>	(2000.0)	P	Q	<i>G</i>	<i>U</i>
<i>n</i>	0.23230908	ω	206.37429	-0.73992811	+0.66976479
<i>a</i>	2.6207480	Ω	16.16959	-0.57059842	-0.57560724
<i>e</i>	0.1371728	<i>i</i>	12.99521	-0.35626371	-0.46913902
<i>P</i>	4.24	<i>H</i>	13.5	0.15	4

Residuals in seconds of arc

690314 095	0.0	0.0	961013 566	0.2-	0.2+	961106 817	0.2-	0.1+
881109 675	0.0	0.9-	961014 327	0.4-	0.4-	961106 709	0.7+	0.3-
881109 675	0.0	0.9+	961014 327	0.4-	0.4-	961106 817	0.2-	0.7+
961009 327	0.9+	0.1+	961014 327	0.3-	0.8-	961106 709	0.7+	0.3-
961009 327	0.4-	0.1-	961105 817	0.4-	0.3+	961106 709	0.7+	0.1-
961009 327	0.0	0.1+	961105 817	0.2-	0.4+	961106 709	0.7+	0.2-
961013 566	0.0	0.2+	961105 817	0.5-	0.4+			
961013 566	0.2-	0.0	961106 817	0.0	0.2+			

1996 TR₁₄

Id. E. Bowell (1989 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		Williams	
<i>M</i>	(2000.0)	P	Q	<i>G</i>	<i>U</i>
<i>n</i>	0.17559213	ω	267.04470	+0.43453902	+0.89865006
<i>a</i>	3.1583920	Ω	28.94894	-0.76921220	+0.40496920
<i>e</i>	0.2263747	<i>i</i>	7.12454	-0.46849592	+0.16860610
<i>P</i>	5.61	<i>H</i>	13.0	0.15	5

Residuals in seconds of arc

890401 675	0.7-	0.2+	961010 358	0.1-	1.0-	961018 358	1.0+	1.8+
890401 675	0.5+	0.4+	961013 358	0.0	0.1-	961103 358	(2.7+ 0.3-)	
890507 675	0.6+	0.5-	961013 358	1.0+	0.2-	961103 358	0.0	0.2-

890507 675	0.3-	0.4+	961014 327	0.4+	0.0	961106 691	0.7-	0.0
961009 358	0.3-	0.9-	961014 327	0.4+	0.4-	961106 691	0.5-	0.1+
961009 358	1.4-	0.5+	961014 327	0.4+	0.4+	961106 691	0.8-	0.2-
961010 358	0.7-	0.6+	961018 358	0.9+	0.1-			

1996 TK₄₈ = 1975 RC₂

Id. E. Bowell (1992 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		Williams	
<i>M</i>	(2000.0)	P	Q	<i>G</i>	<i>U</i>
<i>n</i>	0.23801763	ω	187.26949	+0.88550408	+0.46392965
<i>a</i>	2.5786751	Ω	145.05301	-0.42401642	+0.82934514
<i>e</i>	0.2246701	<i>i</i>	2.55450	-0.18998052	+0.31137744
<i>P</i>	4.14	<i>H</i>	13.5	0.15	4

Residuals in seconds of arc

750904 808	0.1-	0.1-	921128 675	0.1+	0.7-	961106 399	1.1-	1.1+
750904 808	0.3+	0.7-	961009 399	0.6+	0.8+	961106 399	(2.9- 1.5-)	
921021 675	0.7+	1.6-	961009 399	0.0	0.7+	961212 327	0.7+	0.5+
921021 675	0.2+	0.7-	961010 399	1.5-	0.4-	961212 327	1.1+	0.7+
921127 675	0.3+	0.0	961010 399	1.8-	0.4-	961212 327	0.8+	0.6+
921127 675	0.7-	0.1+	961016 399	0.9+	0.3+			
921128 675	0.2-	0.4-	961016 399	0.2+	0.2-			

1996 UG

Id. E. Bowell (1989 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		Williams	
<i>M</i>	(2000.0)	P	Q	<i>G</i>	<i>U</i>
<i>n</i>	0.27979075	ω	345.77540	+0.91240448	-0.39979555
<i>a</i>	2.3151572	Ω	38.16905	+0.38801455	+0.77677100
<i>e</i>	0.1831181	<i>i</i>	8.15338	+0.13024117	+0.48661106
<i>P</i>	3.52	<i>H</i>	14.5	0.15	4

Residuals in seconds of arc

891104 675	0.3-	0.5-	961017 411	1.6+	0.5+	961106 046	0.4+	0.1-
891104 675	0.1+	0.5+	961017 411	0.3+	0.6+	961106 046	0.2+	0.0
891122 675	0.4+	0.5-	961020 411	0.2+	0.2+	961106 046	0.6+	0.0
891122 675	0.1+	0.3-	961020 411	0.5+	0.2-	961106 046	0.1+	0.1-
961006 691	0.4-	0.2-	961029 411	0.5+	0.2+	961113 411	0.2-	0.0
961006 691	0.5-	0.4-	961029 411	0.3-	1.4+	961113 411	0.0	0.7+
961016 411	0.2+	0.7-	961104 046	1.9-	0.5-	961130 411	0.5-	0.1+
961016 411	0.8-	0.8-	961104 046	(3.3- 2.6-)		961130 411	0.6-	0.2-
961017 411	0.3-	0.1+	961106 046	0.4+	0.1+			

1996 VJ

Id. E. Bowell (1992, 1993 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		Williams	
<i>M</i>	(2000.0)	P	Q	<i>G</i>	<i>U</i>
<i>n</i>	0.17376892	ω	355.36989	+0.68434599	-0.71352621
<i>a</i>	3.1804456	Ω	51.35341	+0.67501120	+0.54206489
<i>e</i>	0.1032791	<i>i</i>	11.08561	+0.27573620	+0.44389864
<i>P</i>	5.67	<i>H</i>	12.5	0.15	3

Residuals in seconds of arc

920205 675	0.1-	0.1-	961104 385	0.1-	0.2+	961114 385	0.1-	0.1-
920205 675	0.2+	0.8-	961104 385	0.3+	0.3+	961114 385	0.3-	0.5-
930323 675	0.9+	0.2-	961104 385	0.2+	0.3+	961130 385	0.6-	0.8-
930323 675	0.3-	1.3+	961109 385	0.1-	0.5+	961130 385	0.5-	0.2-

961103 385 0.1+ 0.2+	961109 385 0.4+ 0.1+	961130 385 0.5- 0.8-
961103 385 0.2+ 0.3+	961109 385 0.5- 0.3+	970109 385 0.1+ 0.2+
961103 385 0.2+ 0.5+	961114 385 0.1+ 0.2-	970109 385 0.5+ 0.7+

1996 VA₅

Id. E. Bowell (1992 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	183.18778	ω 48.09991	-0.26074756 +0.96084412
<i>a</i>	0.23892319	Ω 207.21428	-0.93530523 -0.27548420
<i>e</i>	2.5721552	<i>i</i> 11.82959	-0.23919621 +0.02978328
<i>P</i>	0.1540187	<i>H</i> 13.0	<i>G</i> 0.15 <i>U</i> 5

Residuals in seconds of arc

921021 675 0.8- 1.2-	961109 385 1.8- 1.4-	961116 385 0.7- 0.1+
921021 675 1.4+ 1.8+	961109 385 (0.1+ 2.2+)	961201 385 1.3+ 0.9-
921128 675 0.3+ 0.4+	961114 385 0.1- 0.2-	961201 385 0.5+ 0.3-
921128 675 1.0- 0.7+	961114 385 0.5+ 0.4+	961201 385 0.9+ 1.0-
961104 385 0.5+ 0.2+	961114 385 0.2- 0.4+	970109 385 0.0 0.7-
961104 385 0.4+ 0.3+	961116 385 0.6- 0.9+	970109 385 0.9- 0.4-
961104 385 0.4+ 0.2+	961116 385 0.0 0.4+	

1996 VM₅ = 1992 UQ₁₀

Id. E. Bowell, G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	310.39844	ω 73.45941	-0.94843651 -0.30455496
<i>a</i>	0.25809288	Ω 88.74299	+0.24685895 -0.88354446
<i>e</i>	2.4431607	<i>i</i> 5.04012	+0.19881864 -0.35580257
<i>P</i>	0.0704496	<i>H</i> 14.0	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

921025 675 0.1+ 1.1+	961119 046 0.3- 0.1+	961212 046 0.7+ 0.3+
921025 675 0.6+ 0.2-	961119 046 0.6- 0.0	970108 046 0.1- 1.0-
921031 033 0.1+ 0.8-	961130 046 0.0 0.1+	970108 046 0.4- 1.8-
921031 033 0.8- 0.5-	961130 046 0.2+ 0.1+	970108 046 0.1+ 0.4-
961113 046 0.2- 0.5-	961130 046 0.1+ 0.4-	970112 046 0.5- 0.9-
961113 046 0.5- 0.3+	961204 046 0.6+ 0.4-	970112 046 0.9- 0.3-
961115 046 0.1+ 0.0	961204 046 0.4+ 0.4-	970112 046 0.8- 0.2-
961115 046 0.6- 0.4+	961204 046 0.3+ 0.0	970128 046 0.3+ 1.1+
961115 046 0.4+ 0.3+	961211 046 0.1+ 0.2+	970128 046 0.2- 0.2+
961115 046 0.0 0.3+	961211 046 0.4+ 0.3+	970128 046 0.2+ 0.4+
961117 046 0.6- 0.1-	961211 046 0.1+ 0.4+	970202 046 0.3+ 0.3+
961117 046 0.6- 0.1+	961212 046 0.9+ 0.4+	970202 046 0.2+ 0.6+
961117 046 0.4- 0.1-	961212 046 0.5+ 0.4+	970202 046 0.2+ 0.3+
961119 046 0.5- 0.0	961212 046 0.8+ 0.5+	

1996 VG₈ = 1986 TU₅

Id. E. Bowell (1989 observations), S. Nakano

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	157.98917	ω 26.67977	+0.33061067 +0.93842148
<i>a</i>	0.29953750	Ω 262.76473	-0.88294620 +0.27001473
<i>e</i>	2.2122553	<i>i</i> 5.80328	-0.33332055 +0.21553926
<i>P</i>	0.1934130	<i>H</i> 13.0	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

861006 801 0.0 0.1-	961107 400 0.7- 1.2-	961116 400 1.0+ 0.2-
890802 675 0.1- 0.0	961108 400 1.3+ 0.2-	961230 400 0.1- 0.6+
890802 675 0.1- 0.1+	961108 400 1.4- 0.4+	970101 400 0.1- 0.3-
890830 675 0.1- 0.0	961113 400 0.0 0.1+	970101 400 0.5+ 0.5+
890830 675 0.3+ 0.0	961113 400 0.3- 0.2+	
961107 400 0.2- 0.4+	961116 400 0.1+ 0.1-	

1996 VH₃₀ = 1986 CL

Id. S. Nakano, E. Bowell (1992 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	358.09514	ω 73.13059	-0.57463776 -0.81074751
<i>a</i>	0.25845416	Ω 52.47518	+0.68700023 -0.55203891
<i>e</i>	2.4408834	<i>i</i> 8.09754	+0.44477200 -0.19478581
<i>P</i>	0.1491593	<i>H</i> 13.0	<i>G</i> 0.15 <i>U</i> 3

Residuals in seconds of arc

860207 046 (4.9+ 0.4+)	961115 399 0.3- 1.9+	961227 327 0.6+ 0.5-
860207 046 (8.3+ 0.9-)	961202 399 0.3- 0.4-	961227 327 0.1- 0.5-
860214 046 0.1+ 0.3-	961202 399 0.2+ 0.8-	970102 327 0.6+ 0.6-
860214 046 0.2+ 1.0+	961206 399 0.8- 1.5+	970102 327 0.3- 0.4-
921025 675 0.1- 0.4-	961206 399 1.6- 0.1+	970102 327 0.1- 0.3-
921025 675 0.1+ 0.0	961207 399 0.1+ 0.4+	970110 327 0.5+ 0.2-
961107 399 1.1- 0.9-	961207 399 2.3+ 1.6+	970110 327 0.2+ 0.3-
961107 399 0.9- 0.8-	961225 327 0.3+ 0.1-	970110 327 0.1+ 0.2-
961112 399 0.1- 1.2+	961225 327 0.2+ 0.2-	970111 327 0.1- 0.3-
961112 399 1.0+ 0.7+	961225 327 1.1+ 0.4-	970111 327 0.1- 0.2-
961115 399 0.9- 0.3+	961227 327 0.0 0.4-	970111 327 0.2+ 0.3-

1996 XU₁₄

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	103.22860	ω 62.41056	+0.89594497 -0.40729732
<i>a</i>	0.35824090	Ω 320.88893	+0.23848373 +0.77764811
<i>e</i>	1.9634474	<i>i</i> 16.31180	+0.37471071 +0.47892830
<i>P</i>	0.1107181	<i>H</i> 15.0	<i>G</i> 0.15 <i>U</i> 4

From 18 observations 1996 Dec. 8-1997 Mar. 21, mean residual 0".39.

1996 XD₁₉

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	349.91488	ω 297.11294	-0.93638313 -0.34740880
<i>a</i>	0.25675145	Ω 222.60950	+0.34244982 -0.87315473
<i>e</i>	2.4516630	<i>i</i> 4.23017	+0.07690749 -0.34191803
<i>P</i>	0.1288215	<i>H</i> 13.0	<i>G</i> 0.15 <i>U</i> 5

From 11 observations 1996 Dec. 8-1997 Mar. 9, mean residual 0".44.

1996 XS₂₃

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	70.96865	(2000.0)	P	Q
<i>n</i>	0.28204742	ω 6.41748	+0.65941646	-0.68825678
<i>a</i>	2.3027916	Ω 42.92782	+0.66849433	+0.35277209
<i>e</i>	0.2398725	<i>i</i> 26.36373	+0.34392625	+0.63391992
<i>P</i>	3.49	<i>H</i> 14.5	<i>G</i> 0.15	<i>U</i> 4

From 27 observations 1996 Dec. 8–1997 Mar. 22, mean residual 0^u.45.

1996 YQ₁

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	72.55364	(2000.0)	P	Q
<i>n</i>	0.24458835	ω 306.26452	+0.35103312	-0.92862338
<i>a</i>	2.5322828	Ω 122.75877	+0.89839122	+0.29784554
<i>e</i>	0.2474126	<i>i</i> 8.21366	+0.26394879	+0.22123892
<i>P</i>	4.03	<i>H</i> 13.5	<i>G</i> 0.15	<i>U</i> 6

From 16 observations 1996 Dec. 18–1997 Mar. 6, mean residual 0^u.49.

1996 XY₂₅

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	59.62830	(2000.0)	P	Q
<i>n</i>	0.23090666	ω 207.13542	+0.98259182	+0.12586407
<i>a</i>	2.6313488	Ω 144.78887	-0.09563375	+0.97327156
<i>e</i>	0.1734216	<i>i</i> 13.70870	-0.15927176	+0.19209556
<i>P</i>	4.27	<i>H</i> 15.0	<i>G</i> 0.15	<i>U</i> 6

From 28 observations 1996 Dec. 14–1997 Mar. 6, mean residual 0^u.93.

1997 AL₁ = 1992 DM₁₃

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	103.68181	(2000.0)	P	Q
<i>n</i>	0.17505661	ω 92.73767	+0.78740173	-0.55417314
<i>a</i>	3.1648299	Ω 301.05976	+0.36103648	+0.76957640
<i>e</i>	0.0865848	<i>i</i> 18.37099	+0.49965106	+0.31724486
<i>P</i>	5.63	<i>H</i> 11.0	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

920227 033	0.1+	0.0	970103 411	0.1+	0.3+	970114 411	0.1-	0.2-
920228 033	0.6+	0.2+	970103 411	0.1+	0.1+	970126 411	0.2+	0.2+
920228 033	0.7-	0.2-	970109 411	0.2-	0.2-	970126 411	0.0	0.1+
970102 411	0.1+	0.1+	970109 411	0.1+	0.2-			
970102 411	0.0	0.0	970114 411	0.3-	0.3-			

1996 XN₂₆ = 1986 WW₃ = 1991 VU₁₃ = 1991 XE₄

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	172.71064	(2000.0)	P	Q
<i>n</i>	0.20300623	ω 226.99286	+0.37127544	+0.92734961
<i>a</i>	2.8672341	Ω 64.85575	-0.83620710	+0.35578471
<i>e</i>	0.0486349	<i>i</i> 2.95465	-0.40362388	+0.11593079
<i>P</i>	4.86	<i>H</i> 13.0	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

861125 010	9.6-	0.3-	911201 675	1.2+	0.2+	961208 098	0.3+	1.0+
861125 010	0.5+	1.2-	961204 098	0.9-	0.4+	970115 098	0.7+	0.9+
861125 010	0.4+	1.1-	961204 098	1.4-	0.7+	970206 098	0.3+	2.0-
911113 399	2.0-	1.3+	961206 098	0.8+	0.6-	970206 104	0.0	1.2-
911113 399	1.1-	0.0	961206 098	0.7+	0.2-	970206 104	0.8+	0.2+
911201 675	1.1+	0.5+	961208 098	0.8-	0.5+			

1997 AR₂

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	28.65863	(2000.0)	P	Q
<i>n</i>	0.17436076	ω 4.98852	-0.52345262	-0.85125403
<i>a</i>	3.1732446	Ω 116.58007	+0.78030964	-0.49633481
<i>e</i>	0.1394146	<i>i</i> 2.36677	+0.34221955	-0.17034771
<i>P</i>	5.65	<i>H</i> 12.0	<i>G</i> 0.15	<i>U</i> 4

From 12 observations 1997 Jan. 3–Apr. 1, mean residual 0^u.21.

1996 YT = 1995 TF₈

Id. E. Bowell (1994 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	228.99522	(2000.0)	P	Q
<i>n</i>	0.26382668	ω 244.09602	+0.20911555	+0.97717274
<i>a</i>	2.4076328	Ω 38.03462	-0.87403129	+0.20395387
<i>e</i>	0.1713182	<i>i</i> 3.48671	-0.43856583	+0.05946645
<i>P</i>	3.74	<i>H</i> 13.5	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

940314 675	0.9+	0.6-	961220 411	0.5+	1.4-	961229 411	1.8-	0.1+
940314 675	0.8-	0.8+	961220 411	0.2+	0.5+	970107 411	0.1-	0.2+
951001 691	0.1-	0.0	961221 411	0.4+	0.2+	970107 411	1.4+	1.5+
951001 691	0.1-	0.0	961221 411	0.6+	0.1+	970126 411	0.1-	0.7-
951001 691	0.1+	0.0	961229 411	0.9-	0.7+	970126 411	0.2-	1.3-

1997 AO₄ = 1991 YJ₂

Id. E. Bowell (1993 observations), S. Nakano

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	207.55228	(2000.0)	P	Q
<i>n</i>	0.21690106	ω 186.23114	+0.66068482	+0.74595666
<i>a</i>	2.7434366	Ω 125.15678	-0.68421220	+0.64441521
<i>e</i>	0.1034109	<i>i</i> 5.89217	-0.30878673	+0.16815975
<i>P</i>	4.54	<i>H</i> 13.0	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

911230 511	0.4+	1.1-	961219 327	0.4+	0.7+	970111 411	0.1-	0.3+
911230 511	0.4-	0.7+	970106 411	0.9-	0.4-	970116 411	0.5-	0.1-
930414 675	0.5-	0.5-	970106 411	0.3+	0.1-	970116 411	0.1-	0.1-
930414 675	0.5+	0.4+	970107 411	0.6+	0.0	970128 411	0.8+	0.2+
961219 327	0.1-	0.7+	970107 411	0.1+	0.4-	970128 411	0.5-	0.5-
961219 327	0.1+	0.7+	970111 411	0.0	0.5-			

1997 AH₅

Epoch 1997 June 1.0 TT = JDT 2450600.5

Marsden

<i>M</i>	351.48498	(2000.0)	P	Q
<i>n</i>	0.30322640	ω 223.70127	-0.94639567	+0.32270474
<i>a</i>	2.1942766	Ω 335.11506	-0.28643692	-0.85852573
<i>e</i>	0.0858222	<i>i</i> 1.91086	-0.14929540	-0.39849119
<i>P</i>	3.25	<i>H</i> 14.0	<i>G</i> 0.15	<i>U</i> 5

From 18 observations 1996 Dec. 19–1997 Mar. 24, mean residual 0^{''}.72.**1997 AL₅ = 1940 CF = 1973 YV = 1982 FT₁ = 1991 PG₃₁**

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	30.29082	(2000.0)	P	Q
<i>n</i>	0.25956825	ω 157.74655	-0.68202592	-0.72999696
<i>a</i>	2.4338940	Ω 335.18670	+0.65415501	-0.58198157
<i>e</i>	0.2832139	<i>i</i> 6.03245	+0.32698909	-0.35833210
<i>P</i>	3.80	<i>H</i> 13.5	<i>G</i> 0.15	<i>U</i> 1

Residuals in seconds of arc

400202 062	1.1+	0.2+	910814 809	0.2-	1.0-	970112 411	0.3-	0.2-
400202 062	1.3-	0.2+	910814 809	0.3-	0.4-	970128 411	0.0	0.4-
400208 119	(4.5+ 28.7+)X		910814 809	0.5+	0.8-	970128 411	0.0	0.4-
731220 095	0.3+	1.2+	970107 411	0.7-	0.4-	970216 411	0.2+	0.5+
820326 046	0.0	0.6-	970107 411	0.6-	0.8-	970216 411	0.3+	0.4+
820327 046	1.0+	1.4-	970108 411	0.3-	0.2-	970322 327	0.0	0.6+
820327 046	1.6-	1.1+	970108 411	0.3-	0.1-	970322 327	0.0	0.4+
820327 046	0.5+	0.7+	970109 411	0.1+	0.3-	970322 327	0.2+	0.7+
820328 046	0.0	0.6-	970109 411	0.0	0.4-			
820328 046	0.5+	0.7-	970112 411	0.1-	0.1-			

1997 AK₆ = 1992 ED₃₀ = 1994 PD₄₀

Id. T. Urata (k), S. Nakano

Epoch 1997 June 1.0 TT = JDT 2450600.5

Nakano

<i>M</i>	312.12760	(2000.0)	P	Q
<i>n</i>	0.17374462	ω 129.07501	-0.96985230	+0.24245747
<i>a</i>	3.1807422	Ω 64.96897	-0.23110679	-0.88318543
<i>e</i>	0.1521170	<i>i</i> 1.55026	-0.07730561	-0.40149455
<i>P</i>	5.67	<i>H</i> 13.1	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

920303 809	0.8-	0.8+	940906 809	1.2-	1.3-	970108 684	0.1+	0.1-
920307 809	1.2+	0.1-	940906 809	1.5-	1.5-	970108 684	0.3+	0.0
940812 809	0.3+	1.2+	940906 809	0.6+	0.1+	970109 684	0.0	0.0
940812 809	0.3+	0.7+	961208 369	0.9-	0.3-	970109 684	0.0	0.0
940812 809	1.2+	1.7+	961208 369	0.1-	0.8+	970109 684	0.4+	0.1-

1997 AF₇

Epoch 1997 June 1.0 TT = JDT 2450600.5

Nakano

<i>M</i>	27.95061	(2000.0)	P	Q
<i>n</i>	0.26182348	ω 359.23564	-0.77955436	-0.62497165
<i>a</i>	2.4198976	Ω 141.98246	+0.57500596	-0.74025267
<i>e</i>	0.1595589	<i>i</i> 3.84463	+0.24832067	-0.24786372
<i>P</i>	3.76	<i>H</i> 15.4	<i>G</i> 0.15	<i>U</i> 4

From 25 observations 1996 Nov. 5–1997 Mar. 15, mean residual 0^{''}.57.**1997 AK₇ = 1976 EU**

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	246.92952	(2000.0)	P	Q
<i>n</i>	0.23581011	ω 155.54994	+0.32904802	+0.92691444
<i>a</i>	2.5947435	Ω 133.09339	-0.90197533	+0.36507686
<i>e</i>	0.1730320	<i>i</i> 14.30541	-0.27958523	-0.08688215
<i>P</i>	4.18	<i>H</i> 13.0	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

760301 033	1.5+	0.6+	970110 411	0.2+	0.5+	970304 704	0.5+	0.0
760302 033	0.9-	1.4+	970110 411	0.8-	0.1+	970304 704	0.0	1.0-
760303 033	0.9-	1.4-	970113 411	0.5-	0.5-	970305 704	0.1+	0.0
760303 033	0.3+	0.6-	970113 411	1.4-	0.6-	970305 704	0.6-	1.3+
970109 411	0.3+	0.8+	970214 411	0.3+	0.0	970306 704	0.3+	0.1+
970109 411	0.9+	0.1-	970214 411	1.1+	0.6-	970306 704	0.2-	0.1+

1997 AN₇

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	38.70562	(2000.0)	P	Q
<i>n</i>	0.28499404	ω 263.65366	-0.59864015	-0.80048547
<i>a</i>	2.2868913	Ω 223.16326	+0.75076641	-0.54800058
<i>e</i>	0.1220598	<i>i</i> 2.44692	+0.27924858	-0.24273107
<i>P</i>	3.46	<i>H</i> 14.0	<i>G</i> 0.15	<i>U</i> 3

From 17 observations 1996 Nov. 12–1997 Apr. 1, mean residual 0^{''}.38.**1997 AJ₁₃ = 1969 TP₇**

Id. E. Bowell (1988 observations), S. Nakano

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	85.12694	(2000.0)	P	Q
<i>n</i>	0.26268709	ω 77.35083	+0.39911210	-0.91649651
<i>a</i>	2.4145909	Ω 349.00692	+0.77593767	+0.35344880
<i>e</i>	0.0892476	<i>i</i> 8.22199	+0.48849797	+0.18737152
<i>P</i>	3.75	<i>H</i> 14.5	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

691008 033	0.4+	0.2-	970112 411	0.3+	0.7+	970208 566	0.1+	0.3-
691008 033	0.1-	0.3-	970112 411	0.4-	0.2+	970208 566	0.4+	0.3-
881109 675	0.0	0.4-	970114 411	0.2+	0.2+	970208 566	0.4+	0.3-
881109 675	0.1-	0.8+	970114 411	0.4+	0.1+	970212 411	0.8-	0.0
970111 411	0.2-	0.4+	970127 411	0.1+	0.5-	970212 411	0.9-	0.0
970111 411	0.2+	0.6-	970127 411	0.1+	0.1+			

1997 AW₁₃

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	294.85549	(2000.0)	P	Q
<i>n</i>	0.21807578	ω 259.45958	-0.57900907	+0.81009331
<i>a</i>	2.7335756	Ω 334.46757	-0.63910538	-0.52115977
<i>e</i>	0.1191559	<i>i</i> 12.34900	-0.50625370	-0.26859135
<i>P</i>	4.52	<i>H</i> 13.5	<i>G</i> 0.15	<i>U</i> 5

From 20 observations 1997 Jan. 11–Mar. 31, mean residual 0^{''}.55.

1997 AR₁₆

Epoch 1997 June 1.0 TT = JDT 2450600.5		Nakano	
<i>M</i>	3.04934	(2000.0)	
<i>n</i>	0.19111245	ω 191.93210	-0.98081125 +0.19491872
<i>a</i>	2.9849935	Ω 359.27103	-0.14279920 -0.73221142
<i>e</i>	0.1565501	<i>i</i> 18.31691	-0.13273163 -0.65258955
<i>P</i>	5.16	<i>H</i> 12.4	<i>G</i> 0.15 <i>U</i> 4

From 64 observations 1997 Jan. 10–Apr. 16, mean residual 0^u.63.**1997 AS₁₆**

Epoch 1997 June 1.0 TT = JDT 2450600.5		Williams	
<i>M</i>	4.16340	(2000.0)	
<i>n</i>	0.18536325	ω 88.76503	-0.72738198 -0.68549768
<i>a</i>	3.0464003	Ω 47.95906	+0.61137912 -0.66836162
<i>e</i>	0.0346436	<i>i</i> 2.45062	+0.31165852 -0.28876579
<i>P</i>	5.32	<i>H</i> 13.0	<i>G</i> 0.15 <i>U</i> 4

From 11 observations 1996 Nov. 8–1997 Feb. 12, mean residual 0^u.28.**1997 AW₁₇**

Epoch 1997 June 1.0 TT = JDT 2450600.5		Nakano	
<i>M</i>	348.26619	(2000.0)	
<i>n</i>	0.26585695	ω 110.93863	-0.98633560 +0.16064574
<i>a</i>	2.3953595	Ω 78.31990	-0.16159518 -0.90017949
<i>e</i>	0.1270836	<i>i</i> 2.13824	-0.03207924 -0.40480839
<i>P</i>	3.71	<i>H</i> 15.6	<i>G</i> 0.15 <i>U</i> 4

From 27 observations 1997 Jan. 13–Apr. 7, mean residual 0^u.29.**1997 AE₁₈**

Epoch 1997 June 1.0 TT = JDT 2450600.5		Williams	
<i>M</i>	276.18333	(2000.0)	
<i>n</i>	0.29830756	ω 311.33713	-0.20410083 +0.97508870
<i>a</i>	2.2183320	Ω 306.67861	-0.86271746 -0.22109293
<i>e</i>	0.1332560	<i>i</i> 6.21767	-0.46266773 -0.01788688
<i>P</i>	3.30	<i>H</i> 14.5	<i>G</i> 0.15 <i>U</i> 4

From 28 observations 1997 Jan. 14–Apr. 1, mean residual 0^u.29.**1997 AW₁₈**

Epoch 1997 June 1.0 TT = JDT 2450600.5		Williams	
<i>M</i>	2.32328	(2000.0)	
<i>n</i>	0.28554296	ω 198.24860	-0.95706966 -0.28422121
<i>a</i>	2.2839596	Ω 325.07822	+0.27678032 -0.83783262
<i>e</i>	0.0891176	<i>i</i> 5.70295	+0.08608324 -0.46610601
<i>P</i>	3.45	<i>H</i> 14.0	<i>G</i> 0.15 <i>U</i> 5

From 17 observations 1997 Jan. 9–Apr. 7, mean residual 0^u.52.**1997 AM₁₉ = 1985 UX₄ = 1985 VT₄**

Id. E. Bowell (1994 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5		Williams	
<i>M</i>	210.23941	(2000.0)	
<i>n</i>	0.28147840	ω 157.40887	+0.55301547 +0.83259430
<i>a</i>	2.3058940	Ω 146.14248	-0.77266882 +0.52641931
<i>e</i>	0.0323118	<i>i</i> 3.18910	-0.31169983 +0.17224820
<i>P</i>	3.50	<i>H</i> 13.5	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

851022 095	2.8–	2.9+	970113 358	0.6–	0.9+	970208 358	0.4+	0.0
851111 095	2.3+	1.2–	970116 358	1.1–	0.4–	970208 358	0.6–	1.6–
940314 675	0.5–	0.4+	970116 358	0.8+	0.2–	970214 327	1.2+	0.1+
940314 675	1.1+	1.3+	970118 358	0.2–	0.5+	970214 327	1.3+	0.4+
970113 358	(0.4+	3.8+)	970118 358	0.6–	0.9–	970214 327	0.4–	0.0

1997 AM₂₁

Epoch 1997 June 1.0 TT = JDT 2450600.5		Williams	
<i>M</i>	49.31684	(2000.0)	
<i>n</i>	0.21397966	ω 345.34271	-0.17135575 -0.97194908
<i>a</i>	2.7683504	Ω 114.31282	+0.92077246 -0.21615718
<i>e</i>	0.1100605	<i>i</i> 10.18196	+0.35045012 +0.09268801
<i>P</i>	4.61	<i>H</i> 14.0	<i>G</i> 0.15 <i>U</i> 4

From 17 observations 1997 Jan. 13–Mar. 31, mean residual 0^u.43.**1997 AM₂₂ = 1984 ST₄ = 1988 VD₁₂**

Epoch 1997 June 1.0 TT = JDT 2450600.5		Williams	
<i>M</i>	62.37505	(2000.0)	
<i>n</i>	0.25669710	ω 300.93159	+0.29840945 -0.95339179
<i>a</i>	2.4520091	Ω 131.63748	+0.89481151 +0.26317517
<i>e</i>	0.2597757	<i>i</i> 3.42704	+0.33206049 +0.14759041
<i>P</i>	3.84	<i>H</i> 14.0	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

840919 071	1.8–	0.1–	970118 327	0.6+	0.1+	970205 327	0.4–	0.1+
840919 071	2.2+	1.0–	970118 327	0.3–	0.4+	970205 327	0.5+	0.0
840919 071	2.9–	0.0	970118 327	0.0	0.2–	970205 327	0.4–	0.1+
840919 071	2.5+	1.2+	970129 327	0.5+	0.2+	970206 657	1.3+	0.5+
881103 327	0.3–	0.0	970129 327	0.6–	0.0	970206 657	1.4+	0.6–
881103 327	0.3+	0.3–	970129 327	0.2–	0.1–	970206 657	0.7+	0.1+
970108 327	0.4+	0.5+	970204 657	1.3–	0.3+	970404 566	0.9–	0.3–
970108 327	0.1+	0.1–	970204 657	1.1–	0.5–	970404 566	0.6+	0.2–
970108 327	0.2–	0.1+	970204 657	0.8–	0.2–	970404 566	0.1+	0.4–

1997 BG

Epoch 1997 June 1.0 TT = JDT 2450600.5		Marsden	
<i>M</i>	216.19017	(2000.0)	
<i>n</i>	0.35025396	ω 190.10801	+0.76970263 +0.49937251
<i>a</i>	1.9931838	Ω 132.07584	-0.54192603 +0.84040170
<i>e</i>	0.1615087	<i>i</i> 32.40025	-0.33745227 -0.21059933
<i>P</i>	2.81	<i>H</i> 15.0	<i>G</i> 0.15 <i>U</i> 4

From 46 observations 1997 Jan. 12–Apr. 13, mean residual 0^u.33.**1997 BG₁ = 1993 FC**

Id. S. Nakano

Epoch 1997 June 1.0 TT = JDT 2450600.5		Williams	
<i>M</i>	359.57121	(2000.0)	
<i>n</i>	0.23011854	ω 33.10361	-0.99587673 -0.04710599
<i>a</i>	2.6373533	Ω 143.94994	+0.02207172 -0.95475062
<i>e</i>	0.2302295	<i>i</i> 7.57014	+0.08799073 -0.29365333
<i>P</i>	4.28	<i>H</i> 13.5	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

930317 809	0.5+	0.6+	970128 411	0.5+	0.9–	970204 411	0.6–	0.3–
930317 372	0.2–	1.5–	970128 411	0.1+	0.2–	970213 411	0.1–	0.8+

930317	372	0.3+	0.3-	970129	411	0.4+	0.3-	970213	411	0.2+	0.2+
930318	809	0.6+	1.2+	970129	411	0.5-	0.1-	970226	411	0.0	0.7+
930318	372	1.9-	0.6-	970129	411	0.3-	0.2-	970226	411	0.2+	0.4-
930322	372	0.7-	1.4+	970201	411	0.0	0.6+	970401	704	0.1+	0.5-
930322	372	0.7+	0.6-	970201	411	0.0	0.6+	970401	704	0.3-	0.1-
930323	809	0.7+	0.2-	970204	411	0.3+	0.0				

1997 BN₁ = 1984 BQ₄

Epoch 1997 June 1.0 TT = JDT 2450600.5				Nakano			
(2000.0)				P		Q	
<i>M</i>	326.88111						
<i>n</i>	0.30418447	ω	251.71797	-0.85429288		+0.51575495	
<i>a</i>	2.1896668	Ω	319.26263	-0.43160281		-0.77315980	
<i>e</i>	0.0779808	<i>i</i>	5.68601	-0.28965961		-0.36908096	
<i>P</i>	3.24	<i>H</i>	14.5	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

840125	675	0.3+	0.5+	970130	411	0.1-	0.8+	970213	411	0.2+	0.1-
840126	675	0.3-	0.5-	970130	411	0.4-	0.1-	970213	411	0.6-	0.2-
970129	411	0.2+	0.3-	970204	411	0.0	0.1-	970226	411	0.9+	0.6+
970129	411	0.2+	0.2-	970204	411	0.3+	0.1-	970226	411	0.8-	0.4-

1997 BP₁ = 1981 SL₄ = 1994 GP₃

Epoch 1997 June 1.0 TT = JDT 2450600.5				Nakano			
(2000.0)				P		Q	
<i>M</i>	111.44229						
<i>n</i>	0.27544390	ω	6.59448	+0.79464836		-0.60683035	
<i>a</i>	2.3394509	Ω	30.78654	+0.55544252		+0.71544332	
<i>e</i>	0.2000534	<i>i</i>	1.90963	+0.24498488		+0.34626260	
<i>P</i>	3.58	<i>H</i>	14.9	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

810925	095	0.5+	1.0-	970129	411	0.3+	0.2-	970213	411	1.9-	0.3-
940406	691	0.8+	0.8-	970129	411	0.6-	0.9-	970226	411	2.3+	0.3+
940406	691	0.1-	0.2-	970130	411	0.3+	0.3-	970226	411	0.4+	1.4+
940406	691	0.1-	0.6-	970130	411	0.2-	0.1+	970305	704	0.6-	1.0-
940411	691	0.5-	0.1-	970206	411	1.1-	0.6+	970305	704	2.1+	1.3+
940411	691	0.3-	0.0	970206	411	1.0-	1.0-	970306	704	1.6+	0.1-
940411	691	0.4-	0.3+	970213	411	1.6-	0.2-	970306	704	0.1+	0.1+

1997 BR₁ = 1970 EV = 1982 OL = 1986 AF₁

Epoch 1997 June 1.0 TT = JDT 2450600.5				Nakano			
(2000.0)				P		Q	
<i>M</i>	355.81553						
<i>n</i>	0.18135343	ω	55.98652	-0.98644131		+0.06712130	
<i>a</i>	3.0911413	Ω	127.40467	-0.10814937		-0.95223485	
<i>e</i>	0.2629214	<i>i</i>	10.86694	+0.12343928		-0.29789851	
<i>P</i>	5.43	<i>H</i>	12.2	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

700307	095	0.2-	0.7-	970129	411	0.2-	0.1+	970213	411	0.3+	0.1-
820725	801	0.0	0.1-	970130	411	0.3-	0.3+	970213	411	0.0	0.2-
860111	688	1.2+	0.2-	970130	411	0.2-	0.3+	970226	411	0.6+	0.2+
860111	688	1.2-	0.7-	970206	411	0.1-	0.4+	970226	411	0.5+	0.0
970129	411	0.4-	0.3+	970206	411	0.0	0.2+				

1997 BU₁ = 1985 UG₆ = 1987 BM = 1995 WN₂₇Id. S. Nakano; 1980 TE₄ = 1987 BM (MPC 13056) is invalid

Epoch 1997 June 1.0 TT = JDT 2450600.5				Nakano			
(2000.0)				P		Q	
<i>M</i>	53.78001						
<i>n</i>	0.19751697	ω	79.69580	-0.13674124		-0.99055983	
<i>a</i>	2.9201137	Ω	18.17201	+0.89632952		-0.12786780	
<i>e</i>	0.0800397	<i>i</i>	1.77253	+0.42177627		-0.04940698	
<i>P</i>	4.99	<i>H</i>	13.3	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

851018	095	0.3-	0.7+	951125	691	0.6+	0.0	970204	411	0.0	0.5-
870126	033	0.2+	0.8+	951125	691	0.5+	0.1-	970204	411	0.3+	0.2-
870127	033	0.6+	1.3+	951125	691	0.5+	0.0	970213	411	0.4-	0.4+
870128	033	0.2+	1.2+	970129	411	0.8-	0.1-	970213	411	0.2+	0.4-
951119	691	0.5-	0.0	970129	411	0.3+	0.2+	970226	411	0.4-	2.0-
951119	691	0.4-	0.5-	970130	411	0.3-	0.3+	970226	411	0.3-	0.5-
951119	691	0.1-	0.5-	970130	411	0.2+	0.5-				

1997 BY₁ = 1991 TA₂ = 1993 CE

Epoch 1997 June 1.0 TT = JDT 2450600.5				Williams			
(2000.0)				P		Q	
<i>M</i>	141.94218						
<i>n</i>	0.24176897	ω	237.96196	+0.96952788		-0.17870179	
<i>a</i>	2.5519315	Ω	131.74388	+0.21718060		+0.94346296	
<i>e</i>	0.1862980	<i>i</i>	12.97892	-0.11335021		+0.27918329	
<i>P</i>	4.08	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

911010	675	1.0-	0.0	970130	411	0.6-	0.1-	970304	704	1.4+	0.1-
911010	675	1.3+	1.5+	970130	411	0.7-	0.2-	970304	704	0.6+	0.4-
911013	675	1.1-	0.6-	970206	411	0.6-	0.6+	970305	704	0.8+	0.1-
911013	675	0.8+	1.0-	970206	411	0.9-	0.2+	970305	704	1.6+	0.5+
930212	372	1.5-	0.2+	970213	411	0.3-	0.2+	970306	704	0.9+	0.5+
930213	372	1.3+	1.7-	970213	411	0.4-	0.0	970306	704	1.3+	1.1+
970129	411	1.0-	0.9+	970226	411	0.1-	1.4-				
970129	411	0.9-	0.5+	970226	411	0.6-	0.6-				

1997 BZ₁ = 1989 EQ₁₀ = 1991 VD₁₇

Id. S. Nakano, G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5				Williams			
(2000.0)				P		Q	
<i>M</i>	159.16454						
<i>n</i>	0.23829487	ω	291.55879	+0.99864996		+0.04495082	
<i>a</i>	2.5766747	Ω	65.87267	-0.03042199		+0.91233499	
<i>e</i>	0.0728910	<i>i</i>	1.63453	-0.04210409		+0.40696965	
<i>P</i>	4.14	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

890305	033	0.6+	1.2+	970115	566	1.0+	0.1+	970204	411	0.2-	0.3+
890305	033	0.4+	1.0+	970115	566	0.0	0.0	970213	411	0.7-	1.0-
911103	691	0.0	0.4+	970115	566	0.2+	0.0	970213	411	0.1+	0.1-
911103	691	0.0	0.3+	970129	411	0.0	0.4-	970226	411	0.3+	0.8-
911103	691	0.2-	0.0	970129	411	0.5-	0.2-	970227	411	0.1+	0.4-
970115	566	1.3+	0.1+	970130	411	0.3-	0.8+	970227	411	1.0-	0.3-
970115	566	0.0	0.1+	970130	411	0.2-	0.5-	970227	411	0.4+	1.0-
970115	566	0.5+	0.0	970204	411	1.5-	1.2+				

1997 BA₂ = 1990 VT₁₅ = 1995 UZ₄₉

Id. S. Nakano, G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

M		(2000.0)		P		Q		Williams	
<i>n</i>	0.19630160	ω	226.98482	+0.86746665	+0.49467550				
<i>a</i>	2.9321543	Ω	103.30211	-0.43917644	+0.81138623				
<i>e</i>	0.0357434	<i>i</i>	3.11568	-0.23372132	+0.31136560				
<i>P</i>	5.02	<i>H</i>	12.5	<i>G</i>	0.15	<i>U</i>	5		

Residuals in seconds of arc

901111 809	0.7-	1.1-	970129 411	0.9-	0.6+	970213 411	0.5-	0.3-
901111 809	1.6+	0.6-	970129 411	0.4+	0.9+	970213 411	0.3+	1.0-
901111 809	0.2-	0.8-	970130 411	0.1+	0.4-	970226 411	0.8+	0.2-
951020 691	0.3+	0.9+	970130 411	0.4-	0.1-	970226 411	0.1+	0.4-
951020 691	0.5-	0.8+	970204 411	0.3-	0.2-			
951020 691	0.6-	0.8+	970204 411	0.7+	1.3+			

1997 BB₂ = 1976 SX₉ = 1981 AZ₂ = 1991 EO₈ = 1995 SL₉

Epoch 1997 June 1.0 TT = JDT 2450600.5

M		(2000.0)		P		Q		Nakano	
<i>n</i>	0.31098518	ω	295.20071	+0.45557401	+0.89019605				
<i>a</i>	2.1576264	Ω	1.90407	-0.79577016	+0.40816405				
<i>e</i>	0.1327625	<i>i</i>	3.13842	-0.39900148	+0.20236871				
<i>P</i>	3.17	<i>H</i>	14.2	<i>G</i>	0.15	<i>U</i>	2		

Residuals in seconds of arc

760928 095	1.4+	1.4-	950922 691	0.1+	0.2+	970203 691	0.9-	0.1+
810108 381	(5.1-	0.0)	950922 691	0.1+	0.1+	970203 691	1.1-	0.1+
810108 381	1.3-	0.3-	950922 691	0.2+	0.0	970204 411	0.5+	0.1+
910312 675	1.0-	0.3-	970129 411	0.3+	0.8+	970204 411	0.3+	0.5+
910312 675	0.0	0.9-	970129 411	0.2+	0.3-	970213 411	0.9+	0.4+
950917 691	0.1-	0.3+	970130 411	0.9+	0.1-	970213 411	1.0+	0.3-
950917 691	1.0-	0.3-	970130 411	0.2+	0.2-	970226 411	0.0	0.7-
950917 691	0.3-	0.2+	970203 691	1.0-	0.0	970226 411	0.6+	0.1+

1997 BL₂ = 1989 VP₂ = 1991 EA₂ = 1992 JY₃

Epoch 1997 June 1.0 TT = JDT 2450600.5

M		(2000.0)		P		Q		Nakano	
<i>n</i>	0.16817850	ω	201.56197	+0.96050569	+0.25329520				
<i>a</i>	3.2505416	Ω	143.14942	-0.21886742	+0.94335673				
<i>e</i>	0.0302756	<i>i</i>	11.07428	-0.17183095	+0.21428866				
<i>P</i>	5.86	<i>H</i>	11.4	<i>G</i>	0.15	<i>U</i>	2		

Residuals in seconds of arc

891106 095	0.3-	0.9+	920502 399	0.7+	0.8-	970213 411	0.0	0.1-
910211 511	1.1-	1.4-	920502 399	0.6-	1.0+	970226 411	0.7-	0.7+
910211 511	1.0+	0.2+	970130 411	0.6-	1.1+	970226 411	0.6-	0.5+
910308 809	1.2-	0.9-	970130 411	1.0-	0.5+	970305 704	0.5+	0.7+
910308 809	0.4-	1.2-	970131 411	0.0	0.3+	970305 704	0.4+	0.5+
910308 809	0.4+	1.3-	970131 411	0.2+	0.1+	970306 704	1.2+	0.9+
910310 809	0.2+	0.9-	970206 411	0.3+	0.1-	970306 704	1.2+	0.1+
910310 809	0.3+	0.8-	970206 411	0.2-	0.8+			
910310 809	0.4+	0.6-	970213 411	0.1+	0.4+			

1997 BR₂ = 1991 YH₂ = 1993 FN₃₈ = 1993 HH₈ = 1995 VN₃

Epoch 1997 June 1.0 TT = JDT 2450600.5

M		(2000.0)		P		Q		Nakano	
<i>n</i>	0.21781389	ω	225.39372	+0.94980880	-0.31086294				
<i>a</i>	2.7357663	Ω	152.66088	+0.30426233	+0.89194832				
<i>e</i>	0.0809978	<i>i</i>	4.37518	+0.07271645	+0.32831755				
<i>P</i>	4.52	<i>H</i>	13.3	<i>G</i>	0.15	<i>U</i>	2		

Residuals in seconds of arc

911230 511	1.1+	0.5-	951114 691	0.0	0.4-	970207 098	0.0	0.1+
911230 511	1.2-	2.2+	951119 691	0.6+	0.1+	970211 411	0.5-	0.4+
930319 809	0.2+	1.0+	951119 691	0.5+	0.4-	970211 411	0.6-	0.0
930320 809	0.1-	1.0+	951119 691	0.2+	0.4-	970213 411	1.6-	0.9-
930324 809	1.5+	1.3-	970130 411	0.4+	0.3-	970213 411	1.8-	1.4-
930324 691	0.9-	0.4-	970130 411	0.0	0.8-	970301 411	1.4+	1.7+
930324 691	1.0-	0.1-	970131 411	0.3-	0.6+	970301 411	2.0+	1.1+
930324 691	1.1-	0.3-	970131 411	0.3-	0.4-	970305 704	0.1-	1.9-
930416 413	1.1+	1.1-	970207 098	1.9-	1.3+	970305 704	1.2+	0.4+
951114 691	0.3-	0.4-	970207 098	0.4-	0.7-	970306 704	2.3+	0.8-
951114 691	0.3-	0.4-	970207 098	1.1-	0.6+	970306 704	1.4+	0.2+

1997 BA₃ = 2291 T-2

Epoch 1997 June 1.0 TT = JDT 2450600.5

M		(2000.0)		P		Q		Williams	
<i>n</i>	0.26455250	ω	104.59149	+0.15791118	-0.98738722				
<i>a</i>	2.4032270	Ω	336.31372	+0.89467108	+0.14796048				
<i>e</i>	0.1834341	<i>i</i>	1.62968	+0.41788481	+0.05633973				
<i>P</i>	3.73	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	5		

Residuals in seconds of arc

730929 675	1.1-	2.5+	970130 411	0.6-	0.2-	970207 098	0.3+	0.7+
730929 675	(0.1-	3.2+)	970131 098	1.2+	0.4-	970213 411	0.3+	0.3+
730930 675	0.4-	0.2+	970131 411	1.2-	0.8-	970213 411	0.4+	0.7+
730930 675	0.7-	0.1-	970131 411	0.2-	0.6-	970226 411	0.6-	0.6+
731004 675	0.5+	0.9-	970206 411	0.8+	0.8+	970226 411	0.5-	0.1+
731004 675	1.9+	0.0	970206 411	0.6+	0.5+	970305 704	0.8+	0.3-
731005 675	0.1-	0.9-	970207 098	0.6-	0.8-	970305 704	1.0-	1.0+
731005 675	0.2-	0.2-	970207 098	1.0-	0.5-	970306 704	1.1+	0.2-
970130 411	0.2-	0.6-	970207 098	0.2-	0.4+	970306 704	0.7+	0.4-

1997 BE₃ = 1972 TM₉ = 1976 GS₂ = 1978 WX₅

Epoch 1997 June 1.0 TT = JDT 2450600.5

M		(2000.0)		P		Q		Nakano	
<i>n</i>	0.17786133	ω	265.45771	+0.85495962	+0.51336982				
<i>a</i>	3.1314707	Ω	63.63749	-0.43703138	+0.78993665				
<i>e</i>	0.2400034	<i>i</i>	4.74583	-0.27937004	+0.33533790				
<i>P</i>	5.54	<i>H</i>	12.2	<i>G</i>	0.15	<i>U</i>	2		

Residuals in seconds of arc

721009 033	0.1-	0.6+	781129 675	0.2-	0.3+	970206 411	0.0	0.0
721009 033	0.5+	0.1-	781130 675	0.0	0.6+	970214 411	0.7+	0.1+
721009 033	0.2-	0.1-	970130 411	0.6+	0.5-	970214 411	0.2+	0.2-
721009 033	0.1+	0.1-	970130 411	0.1-	0.6-	970226 411	0.2+	1.2-
721010 033	0.1+	0.1-	970131 411	0.1+	0.2-	970226 411	0.9-	0.7+
721010 033	0.3-	0.3-	970131 411	0.5-	0.3-			
760401 095	0.4+	0.9+	970206 411	0.6-	1.3+			

1997 BP₃ = 1976 EW

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

<i>M</i>	63.99671	(2000.0)	P		Q	
<i>n</i>	0.28399053	ω 339.57235	-0.46722745	-0.88033610		
<i>a</i>	2.2922755	Ω 138.16802	+0.82727400	-0.46798061		
<i>e</i>	0.0563352	<i>i</i> 7.05322	+0.31195550	-0.07747579		
<i>P</i>	3.47	<i>H</i> 13.3	<i>G</i> 0.15	<i>U</i> 5		

Residuals in seconds of arc

760301 033 (3.5+ 0.5+)	970131 411 0.8+ 0.2-	970212 411 0.2-	0.1+
760302 033 0.4+ 0.3-	970131 411 0.4+ 0.3-	970212 411 1.8-	0.5-
760303 033 0.4- 0.3+	970201 411 0.2+ 0.2+	970301 411 0.5+	0.1-
760303 033 (3.3+ 3.0-)	970201 411 0.4- 0.5+	970301 411 0.5+	0.2+

1997 BR₃ = 1994 RA₂₃

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

<i>M</i>	296.77105	(2000.0)	P		Q	
<i>n</i>	0.25672878	ω 291.46814	+0.07629092	+0.99032490		
<i>a</i>	2.4518074	Ω 341.72065	-0.72185743	-0.02533822		
<i>e</i>	0.2473707	<i>i</i> 21.68896	-0.68782378	+0.13643520		
<i>P</i>	3.84	<i>H</i> 14.4	<i>G</i> 0.15	<i>U</i> 5		

Residuals in seconds of arc

940905 809 0.7+ 0.3-	940906 809 0.8- 0.7+	970212 411 0.2-	0.8-
940905 809 1.0+ 0.6-	970131 411 0.9+ 0.3-	970212 411 0.4+	0.6+
940905 809 0.9+ 0.6-	970131 411 0.5- 0.1-	970301 411 0.0	0.4+
940906 809 1.0- 0.5+	970201 411 0.6- 0.7+	970301 411 0.9+	0.5-
940906 809 1.0- 0.6+	970201 411 0.6- 0.4+		

1997 BU₃ = 1976 MC = 1978 WW₄ = 1981 GH

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

<i>M</i>	288.26504	(2000.0)	P		Q	
<i>n</i>	0.17887895	ω 162.99703	-0.10967244	+0.99281534		
<i>a</i>	3.1195831	Ω 100.68688	-0.91751815	-0.08260520		
<i>e</i>	0.1280797	<i>i</i> 2.79112	-0.38227269	-0.08656833		
<i>P</i>	5.51	<i>H</i> 12.4	<i>G</i> 0.15	<i>U</i> 2		

Residuals in seconds of arc

760620 095 0.3+ 2.0+	810410 688 1.9- 1.2-	970212 411 0.7+	0.0
781129 675 0.5- 0.1-	970131 411 0.2- 1.5+	970212 411 0.3-	0.1+
781130 675 0.6+ 0.2-	970131 411 0.7- 0.2+	970301 411 0.2+	0.3-
810405 688 1.6+ 1.6-	970201 411 0.1- 0.5+	970301 411 0.7+	0.1+
810405 688 0.5+ 0.3+	970201 411 0.2+ 0.7+		
810410 688 1.3- 0.3-	970212 411 0.6+ 0.1-		

1997 BD₉ = 1986 GJ₁

Id. G. V. Williams, G. Forti
Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	344.85317	(2000.0)	P		Q	
<i>n</i>	0.17114233	ω 83.23962	-0.95896256	+0.28057258		
<i>a</i>	3.2129040	Ω 113.04838	-0.27451221	-0.88269576		
<i>e</i>	0.1287662	<i>i</i> 2.54526	-0.07094960	-0.37699764		
<i>P</i>	5.76	<i>H</i> 13.5	<i>G</i> 0.15	<i>U</i> 5		

Residuals in seconds of arc

860414 046 1.6+ 0.2-	970207 098 0.9- 1.2-	970302 108 0.1+	1.0+
860414 046 1.1- 1.1-	970208 098 0.3+ 1.4+	970304 098 (2.2- 0.0)	
860416 046 0.5- 1.3+	970208 098 0.1- 1.2+	970304 098 (3.2- 1.1+)	

860416 046 (3.2- 5.6+)	970228 108 0.6+ 0.4+	970312 108 0.2- 0.7-
970131 098 1.4- 0.8+	970228 108 1.4+ 0.7-	970312 108 0.7- 0.1+
970131 098 0.8+ 0.6-	970228 108 0.2- 0.0	970312 108 0.1+ 0.4+
970207 098 0.1- 1.2-	970302 108 0.4+ 0.7-	

1997 BF₉ = 1993 NJ₂ = 1995 WR₃

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	335.30783	(2000.0)	P		Q	
<i>n</i>	0.17902412	ω 8.18649	-0.94923462	+0.31455943		
<i>a</i>	3.1178964	Ω 190.14875	-0.28939373	-0.87629487		
<i>e</i>	0.1286668	<i>i</i> 0.79718	-0.12330820	-0.36491050		
<i>P</i>	5.51	<i>H</i> 13.5	<i>G</i> 0.15	<i>U</i> 4		

Residuals in seconds of arc

930713 809 (0.7+ 2.8+)	951122 595 0.1- 1.0+	970207 098 0.7- 0.8-
930713 809 (0.8+ 2.5+)	951122 595 0.0 0.1+	970207 098 0.0 0.3-
930713 809 0.8+ 2.0+	951122 595 0.0 0.7+	970305 704 0.5+ 0.8+
930724 809 1.6- 2.1+	951201 595 0.0 0.3-	970305 704 1.1+ 0.9+
930726 809 0.9+ 1.2-	951201 595 0.2+ 0.2+	970306 704 0.6+ 0.4+
930726 809 0.4- 0.4-	970130 098 0.8- 0.7+	970306 704 0.4- 1.1+
930726 809 0.2- 0.2-	970207 098 0.5- 0.6-	
951121 595 0.3- 0.1-	970207 098 0.8+ 0.4-	

1997 BG₉ = 1976 YC₅ = 1993 JP₁

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	86.83577	(2000.0)	P		Q	
<i>n</i>	0.20405155	ω 105.62714	+0.31802614	-0.94802629		
<i>a</i>	2.8574334	Ω 325.82380	+0.86269276	+0.29385997		
<i>e</i>	0.0607521	<i>i</i> 1.04784	+0.39321824	+0.12203471		
<i>P</i>	4.83	<i>H</i> 13.5	<i>G</i> 0.15	<i>U</i> 4		

Residuals in seconds of arc

761218 095 0.1+ 0.7-	970207 098 0.7- 0.3+	970307 098 1.1+ 0.8+
930513 691 0.0 0.3-	970207 098 0.6+ 0.0	970310 098 0.8- 0.1+
930513 691 0.1- 0.3-	970305 704 1.3+ 0.5+	970310 098 0.2- 0.2-
930513 691 0.3- 0.3-	970305 704 0.6+ 0.1-	970312 098 0.3- 0.0
970130 098 0.1- 0.1-	970306 704 1.4+ 0.1+	970312 098 1.5- 0.8-
970207 098 1.3- 0.7-	970306 704 0.5+ 0.0	970408 104 1.0+ 0.7+
970207 098 1.1- 0.2-	970307 098 0.0 0.2+	970408 104 0.2- 0.2+

1997 CM = 1990 YC₁ = 1994 PE₄₀

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	29.68667	(2000.0)	P		Q	
<i>n</i>	0.18166475	ω 169.32926	-0.71244453	-0.69211397		
<i>a</i>	3.0876089	Ω 325.92243	+0.62764858	-0.55472825		
<i>e</i>	0.1025602	<i>i</i> 11.92337	+0.31381532	-0.46179522		
<i>P</i>	5.43	<i>H</i> 13.0	<i>G</i> 0.15	<i>U</i> 3		

Residuals in seconds of arc

901223 033 0.5- 0.1-	970202 684 0.0 0.2-	970304 684 0.2- 0.3-
901223 033 2.4+ 0.3+	970202 684 0.0 0.1-	970304 684 0.0 0.2-
901223 033 2.5- 0.4-	970202 684 0.0 0.2-	970304 684 0.1- 0.2-
901223 033 0.6+ 0.5+	970210 684 0.0 0.0	970311 684 0.0 0.2-
940810 809 1.3+ 0.0	970210 684 0.1- 0.0	970311 684 0.1- 0.1-
940810 809 0.8+ 1.5-	970210 684 0.1+ 0.1+	970311 684 0.1- 0.1-
940810 809 0.5- 1.0-	970212 905 0.5- 0.3-	970313 684 0.0 0.1-
970109 691 0.4- 0.3-	970212 905 0.1- 0.2-	970313 684 0.1+ 0.0

970109 691 0.5-	0.2-	970213 905 0.3-	0.6+	970313 684 0.1+	0.2-
970109 691 0.5-	0.2-	970213 905 1.1+	0.4+	970329 684 0.3-	0.2-
970201 684 0.0	0.3-	970216 684 0.0	0.3+	970329 684 0.3-	0.3-
970201 684 0.2+	0.4-	970216 684 0.2+	0.2+	970329 684 0.1-	0.1-
970201 684 0.1+	0.4-	970216 684 0.0	0.3+		

1997 CO = 1980 RL₄ = 1982 BL₉ = 1985 RQ₆ = 1991 CJ₄ = 1995 SU₅₄

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

<i>M</i>	127.94060	(2000.0)	P	Q
<i>n</i>	0.20162643	ω 213.45372	+0.88057946	-0.47388783
<i>a</i>	2.8803002	Ω 174.83019	+0.44217321	+0.81919362
<i>e</i>	0.1023966	<i>i</i> 2.02468	+0.17047774	+0.32303582
<i>P</i>	4.89	<i>H</i> 12.8	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

800907 095 1.0-	0.3-	950924 033 0.9-	0.1+	970203 411 0.7-	0.7-
820119 095 0.6-	2.2-	950925 033 0.5-	0.5-	970203 411 1.4-	0.6+
850915 095 (0.2+	2.8+)	951207 327 0.0	0.8+	970211 411 0.2-	0.4+
850922 095 1.9+	0.7-	951207 327 0.1-	0.5+	970211 411 0.3+	0.0
910215 493 0.3+	0.8+	951207 327 0.1+	1.4+	970304 411 0.9+	0.2+
910215 493 (3.7-	1.3-)	970201 411 0.2-	0.5+	970304 411 1.6+	0.6-
950923 033 0.1-	1.1-	970201 411 0.1+	0.6+		

1997 CP = 1976 KC₂ = 1980 RT₄ = 1982 BK₁₃ = 1984 SD₄

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

<i>M</i>	161.03315	(2000.0)	P	Q
<i>n</i>	0.26508264	ω 200.63877	+0.99943181	+0.02328309
<i>a</i>	2.4000218	Ω 157.98455	-0.01356160	+0.93973469
<i>e</i>	0.1957199	<i>i</i> 3.72768	-0.03085670	+0.34111085
<i>P</i>	3.72	<i>H</i> 14.1	<i>G</i> 0.15	<i>U</i> 1

Residuals in seconds of arc

760529 413 0.1-	0.2-	840928 033 0.0	0.2-	970207 566 0.3-	0.5-
760529 413 0.1-	0.1+	970201 411 0.4-	0.5-	970207 566 0.3-	0.7-
800908 095 0.3+	0.4-	970201 411 0.7+	0.4+	970211 411 0.0	0.2-
820130 675 0.3+	0.6+	970203 411 0.5+	0.2+	970211 411 1.0-	0.1+
820131 675 0.1-	0.1+	970203 411 0.2+	0.1+	970304 411 0.5+	0.3+
840928 033 0.0	0.0	970207 566 0.0	0.6-	970304 411 0.1-	0.3-

1997 CS = 1992 EF₁

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

<i>M</i>	317.97247	(2000.0)	P	Q
<i>n</i>	0.18937713	ω 235.42109	-0.71133161	+0.70207019
<i>a</i>	3.0032007	Ω 349.03871	-0.57394349	-0.60751138
<i>e</i>	0.0901961	<i>i</i> 10.06733	-0.40570459	-0.37152035
<i>P</i>	5.20	<i>H</i> 12.1	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

920308 894 0.4-	0.7-	970201 411 0.2+	0.3+	970211 411 0.2-	0.3+
920308 894 0.0	0.1-	970201 411 0.1+	0.1+	970301 411 0.6-	0.1-
920313 894 0.4+	0.8-	970203 411 0.8+	0.6-	970301 411 0.1-	0.4+
920313 894 0.3+	1.1+	970203 411 0.4-	0.0		
920313 894 0.3-	0.5+	970211 411 0.2+	0.3-		

1997 CW = 1990 FD₂

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Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	2.01373	(2000.0)	P	Q
<i>n</i>	0.27667091	ω 144.04567	-0.99498643	+0.08760122
<i>a</i>	2.3325290	Ω 41.06257	-0.09994247	-0.88867408
<i>e</i>	0.1117102	<i>i</i> 4.21231	+0.00367536	-0.45009377
<i>P</i>	3.56	<i>H</i> 13.0	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

900316 046 (2.9-	0.3+)	970201 411 1.1-	0.1-	970301 411 0.1+	0.4+
900316 046 0.1-	0.5+	970201 411 0.8-	0.0	970301 411 0.2+	0.7+
900317 046 1.3+	0.8-	970203 411 0.3+	0.0	970324 658 0.3+	0.5+
900317 046 1.8-	0.9-	970203 411 0.1+	0.2-	970324 658 0.3+	0.6+
900317 046 (3.0+	1.1+)	970211 411 0.3+	0.5-	970324 658 0.2+	0.5+
900317 046 (4.9+	1.6+)	970211 411 0.4+	0.5-		

1997 CC₁ = 1981 FG₁ = 1986 RV₁₆ = 1994 PV₂₁

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

<i>M</i>	284.91954	(2000.0)	P	Q
<i>n</i>	0.24101403	ω 130.59653	+0.06692705	+0.99459184
<i>a</i>	2.5572577	Ω 143.01143	-0.95066453	+0.08773216
<i>e</i>	0.2513432	<i>i</i> 7.58550	-0.30291537	-0.05558898
<i>P</i>	4.09	<i>H</i> 13.2	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

810329 095 0.6-	2.0-	940813 809 0.2+	0.2-	970203 411 0.8-	0.3-
860914 095 0.8+	2.6-	940813 809 0.9+	0.4-	970203 411 0.1-	0.1+
940812 809 1.2+	0.0	940901 399 2.5-	0.3+	970211 411 0.4-	0.2-
940812 809 0.9+	0.2-	940901 399 1.2-	0.6+	970211 411 0.1+	0.0
940812 809 0.3+	0.0	970201 411 0.7-	0.2-	970301 411 0.9+	0.9-
940813 809 0.5+	0.4-	970201 411 0.7+	0.7+	970301 411 0.2+	0.1-

1997 CE₁ = 1974 XG = 1981 UW = 1981 UV₂₇ = 1988 RW₁₃

Id. S. Nakano, G. V. Williams (d)
Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

<i>M</i>	145.89168	(2000.0)	P	Q
<i>n</i>	0.27673012	ω 3.72341	+0.96903411	-0.24587502
<i>a</i>	2.3321963	Ω 10.59364	+0.22323174	+0.83290142
<i>e</i>	0.2382779	<i>i</i> 7.11393	+0.10554847	+0.49580308
<i>P</i>	3.56	<i>H</i> 13.2	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

741214 095 0.5-	3.1+	880915 095 1.3+	1.6-	970203 411 1.2-	0.8-
811024 675 0.2+	0.2-	880915 095 0.3+	0.2-	970211 411 0.2-	0.6-
811025 675 0.2+	1.2-	970201 411 0.1+	0.5-	970211 411 0.4-	1.2-
811026 675 0.1-	0.8-	970201 411 0.0	0.7-	970301 411 1.0-	0.4+
811027 704 (0.6-	15.0+)	970203 411 0.1-	1.1-	970301 411 0.1-	0.2-

1997 CK₁

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	356.47635	(2000.0)	P	Q
<i>n</i>	0.23960142	ω 98.28799	-0.97120343	+0.22585377
<i>a</i>	2.5672990	Ω 94.78961	-0.23734208	-0.88935405
<i>e</i>	0.1728989	<i>i</i> 4.36562	-0.02079986	-0.39754176
<i>P</i>	4.11	<i>H</i> 14.0	<i>G</i> 0.15	<i>U</i> 5

From 10 observations 1996 Nov. 14-1997 Mar. 1, mean residual 0".37.

1997 CV₁ = 1996 YL = 1992 OM₃

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams			
<i>M</i>	203.06429	(2000.0)	P	Q	
<i>n</i>	0.31664256	ω 197.67807	+0.61808583	+0.78493599	
<i>a</i>	2.1318494	Ω 110.52023	-0.71558859	+0.58441868	
<i>e</i>	0.1580992	<i>i</i> 2.62900	-0.32542723	+0.20574331	
<i>P</i>	3.11	<i>H</i> 14.5	<i>G</i> 0.15	<i>U</i> 4	

Residuals in seconds of arc

920724 809	1.6+	0.2+	961221 411	0.1+	0.3-	970210 046	0.5-	0.2-
920724 809	0.4+	1.5-	970202 046	0.2+	0.3-	970210 046	0.5-	1.0-
920724 809	0.2-	0.8-	970202 046	0.3+	0.2-	970210 046	0.8-	0.2+
920726 809	0.1-	0.6-	970202 046	0.4-	0.3+	970310 046	0.3+	0.1-
920726 809	0.1-	0.7-	970202 046	0.1+	0.3-	970310 046	0.5-	0.3-
920726 809	1.0-	0.2-	970203 046	0.0	0.3+	970310 046	0.0	0.3-
920730 809	0.7+	0.7+	970203 046	0.3+	0.2+	970310 046	0.1+	0.3-
920730 809	0.3-	0.8+	970203 046	0.1+	0.1+	970311 046	0.3+	0.5-
920730 809	0.6-	1.0+	970206 046	0.2-	0.2-	970311 046	0.1+	0.3+
961220 411	0.4-	0.8-	970207 046	0.1+	0.3+	970311 046	0.3+	0.2-
961220 411	0.7+	1.0+	970207 046	0.2+	0.2+			
961221 411	0.0	0.0	970207 046	0.2+	0.2+			

1997 CA₃ = 1995 UY₄₉

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams			
<i>M</i>	93.80997	(2000.0)	P	Q	
<i>n</i>	0.17543643	ω 319.54386	+0.50017479	-0.86372678	
<i>a</i>	3.1602604	Ω 100.36151	+0.80977044	+0.44132946	
<i>e</i>	0.1775785	<i>i</i> 3.59343	+0.30675236	+0.24331944	
<i>P</i>	5.62	<i>H</i> 13.5	<i>G</i> 0.15	<i>U</i> 5	

Residuals in seconds of arc

951019 691	0.2+	0.1+	951025 691	0.1+	0.1-	970211 411	0.7-	0.5+
951019 691	0.3-	0.1+	970203 411	0.9-	0.6+	970211 411	1.1+	1.5-
951019 691	0.2+	0.1+	970203 411	0.3-	0.1-	970302 411	0.3+	0.0
951025 691	0.2-	0.2+	970204 411	1.0+	0.2+	970302 411	0.5+	0.7-
951025 691	0.1-	0.4-	970204 411	0.1+	0.4+	970302 411	1.1-	0.6+

1997 CF₃ = 1990 FB₃

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams			
<i>M</i>	318.10421	(2000.0)	P	Q	
<i>n</i>	0.27163992	ω 56.68080	-0.77330334	+0.63335830	
<i>a</i>	2.3612410	Ω 162.55912	-0.60937204	-0.72965769	
<i>e</i>	0.0900847	<i>i</i> 5.61244	-0.17512187	-0.25779240	
<i>P</i>	3.63	<i>H</i> 15.0	<i>G</i> 0.15	<i>U</i> 5	

Residuals in seconds of arc

900317 033	0.3-	0.0	970203 566	0.0	0.4+	970331 704	0.1-	0.4-
900318 033	0.3+	0.0	970204 566	0.6-	0.4-	970331 704	0.2+	1.1+
970203 566	0.1+	0.3+	970204 566	0.3+	0.4-	970401 704	1.0-	0.6-
970203 566	0.2+	0.3+	970204 566	0.0	0.2-	970401 704	0.8+	0.0

1997 CH₄ = 1987 BG₁ = 1991 KP₂ = 2077 T-1

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		Nakano	
<i>M</i>	270.83655	(2000.0)	P	Q	
<i>n</i>	0.30147417	ω 194.79043	+0.25799295	+0.96539872	
<i>a</i>	2.2027708	Ω 90.17152	-0.88251759	+0.25149087	
<i>e</i>	0.0983318	<i>i</i> 2.17850	-0.39319504	+0.06897580	
<i>P</i>	3.27	<i>H</i> 14.7	<i>G</i> 0.15	<i>U</i> 3	

Residuals in seconds of arc

710324 675	1.2-	0.4-	870128 033	0.2+	0.2-	970206 411	0.1+	0.1-
710325 675	0.7+	0.6-	910518 809	0.3+	0.4+	970206 411	1.0-	0.3+
710325 675	0.2-	0.2-	910518 809	0.1-	0.1-	970211 411	0.1-	0.7+
710326 675	1.3+	0.6-	910518 809	0.0	0.5+	970211 411	0.2+	0.4+
710327 675	1.3-	0.3+	970203 411	1.0+	0.2-	970301 411	0.3-	0.1+
870127 033	0.1+	1.1+	970203 411	0.4-	1.2-	970301 411	0.6+	0.7+

1997 CT₁₉ = 2426 T-3

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams			
<i>M</i>	70.08791	(2000.0)	P	Q	
<i>n</i>	0.26737555	ω 202.47880	+0.10284625	-0.99444647	
<i>a</i>	2.3862811	Ω 241.62435	+0.91643421	+0.10346074	
<i>e</i>	0.1741963	<i>i</i> 1.45462	+0.38674410	+0.01928959	
<i>P</i>	3.69	<i>H</i> 15.0	<i>G</i> 0.15	<i>U</i> 5	

Residuals in seconds of arc

771016 675	0.3+	1.7-	771022 675	0.5+	0.1-	970214 360	0.1-	0.9-
771016 675	1.6+	2.3-	771022 675	0.0	0.9+	970214 587	0.2-	0.1+
771017 675	0.7-	1.2-	970211 897	0.5+	0.4+	970214 587	0.1-	0.1-
771017 675	0.2-	1.6+	970211 897	0.3-	0.2+	970304 897	0.2-	0.4+
771017 675	0.8+	0.5-	970212 897	0.4-	0.5+	970304 897	0.6-	0.3-
771017 675	0.9-	1.8+	970212 897	1.1+	0.8-	970304 897	0.6-	0.7-
771021 675	0.9-	1.1+	970213 360	0.3-	0.0	970305 704	0.2-	0.4+
771021 675	(3.0+	0.1+)	970213 360	0.4-	0.1+	970305 704	0.8-	1.2+
771021 675	0.6-	1.1+	970213 360	0.2-	0.2+	970306 704	0.1+	0.2-
771021 675	(4.0+	0.5+)	970213 587	0.0	0.2-	970306 704	0.6+	1.3+
771022 675	0.1+	0.9-	970213 587	0.2-	0.3+	970307 897	1.2+	0.2-
771022 675	0.2-	0.3+	970214 360	0.6+	1.1-	970307 897	0.4+	0.4-

1997 CU₁₉ = 1981 UC₁₇ = 1985 XH₃ = 1991 PT₂₇

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		Nakano	
<i>M</i>	64.34107	(2000.0)	P	Q	
<i>n</i>	0.27614852	ω 1.38811	-0.40209159	-0.91307848	
<i>a</i>	2.3354697	Ω 112.32467	+0.83933721	-0.39721532	
<i>e</i>	0.1128931	<i>i</i> 4.20923	+0.36583521	-0.09223709	
<i>P</i>	3.57	<i>H</i> 14.1	<i>G</i> 0.15	<i>U</i> 3	

Residuals in seconds of arc

811024 095	0.1+	0.9-	970212 411	1.2+	1.2-	970301 411	0.3-	0.3-
851214 675	1.4-	0.3-	970212 411	0.8-	0.3-	970301 411	0.5-	0.1+
851214 675	1.5+	0.4-	970213 411	0.2-	0.0	970309 411	0.2-	0.3+
910805 809	1.3+	0.2-	970213 411	0.3-	0.5-	970309 411	0.1-	0.5-
910805 809	1.0+	1.2-	970216 411	0.5+	0.0			
910805 809	1.8-	1.2-	970216 411	0.3-	0.4+			

1997 CX₁₉ = 1990 EB₇

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

<i>M</i>	30.69774	(2000.0)		P	Q
<i>n</i>	0.28231430	ω	155.98446	-0.91529686	-0.40277974
<i>a</i>	2.3013400	Ω	0.26437	+0.35490653	-0.80695341
<i>e</i>	0.1353813	<i>i</i>	4.73071	+0.19045476	-0.43196606
<i>P</i>	3.49	<i>H</i>	14.5	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

900302 809	0.6-	0.2+	900304 809	0.9+	0.7+	970216 411	0.3-	0.1+
900302 809	0.3-	0.1+	900304 809	1.6+	0.7+	970301 411	0.6-	1.3-
900302 809	0.0	0.2+	970212 411	0.2-	0.5+	970301 411	1.5-	0.3+
900303 809	0.8-	0.1+	970212 411	0.1-	0.2-	970309 411	0.4+	0.3-
900303 809	0.4-	0.3-	970213 411	0.2+	0.4-	970309 411	1.0+	0.5-
900303 809	0.0	0.2-	970213 411	1.0+	1.0-			
900304 809	0.7+	0.7+	970216 411	1.2-	0.6+			

1997 CY₁₉ = 1982 SE₁₁ = 1984 EW = 1995 SF₃

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

<i>M</i>	60.34983	(2000.0)		P	Q
<i>n</i>	0.22670978	ω	98.73413	-0.25049617	-0.96805928
<i>a</i>	2.6637239	Ω	5.80548	+0.84180811	-0.22322149
<i>e</i>	0.2074734	<i>i</i>	6.02971	+0.47813259	-0.11416390
<i>P</i>	4.35	<i>H</i>	13.1	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

820927 095	0.0	0.4-	950921 399	0.8-	0.4-	970216 411	0.4+	0.1-
840306 688	2.2-	0.5-	950921 399	0.4-	1.1-	970301 411	0.3+	0.7+
840306 688	1.0-	1.9-	970212 411	0.3-	0.2+	970301 411	0.5+	0.8+
840309 688	1.2-	0.9-	970212 411	0.1+	0.2-	970309 411	0.1+	1.1+
840309 688	1.7+	1.7-	970213 411	0.1+	0.1+	970309 411	0.4+	0.9+
950920 399	1.1+	1.2-	970213 411	0.1+	0.1-			
950920 399	1.2+	1.3+	970216 411	0.2-	0.0			

1997 CZ₁₉ = 1990 EQ₆ = 1992 YS₅

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

<i>M</i>	168.82763	(2000.0)		P	Q
<i>n</i>	0.28276550	ω	250.26836	+0.97522656	-0.21386252
<i>a</i>	2.2988913	Ω	122.04307	+0.21958185	+0.90497354
<i>e</i>	0.0802513	<i>i</i>	3.82411	+0.02677631	+0.36781205
<i>P</i>	3.49	<i>H</i>	13.2	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

900302 809	0.9-	0.3-	900304 809	0.4+	0.0	970213 411	0.7-	0.4+
900302 809	0.5-	0.5-	900304 809	0.6+	0.0	970216 411	0.0	0.7+
900302 809	0.2-	0.5-	921217 399	0.3+	0.6-	970216 411	0.2-	0.5+
900303 809	(2.6+	0.1+)	921217 399	0.3-	0.6+	970301 411	0.1+	0.3-
900303 809	(2.8+	0.1-)	970212 411	0.7+	0.6-	970301 411	0.5-	0.1-
900303 809	(3.1+	0.2-)	970212 411	0.6+	0.8-	970309 411	0.5+	0.9+
900304 809	0.2+	0.1-	970213 411	0.1-	0.4+	970309 411	0.2+	0.1+

1997 CA₂₀ = 1988 QG = 1991 CX₄

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

<i>M</i>	53.66252	(2000.0)		P	Q
<i>n</i>	0.17497616	ω	337.75441	-0.54512838	-0.83214126
<i>a</i>	3.1657999	Ω	145.04319	+0.79346299	-0.55134249
<i>e</i>	0.0546039	<i>i</i>	10.24067	+0.27065019	-0.05968572
<i>P</i>	5.63	<i>H</i>	11.9	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

880816 675	1.7+	2.3-	970212 411	0.1+	0.4-	970226 411	0.3+	0.5-
880817 675	1.0-	1.1-	970213 411	0.4-	0.5-	970226 411	0.2+	0.4-
910209 675	0.1+	1.0-	970213 411	0.7-	0.1+	970309 411	0.4-	0.2+
910209 675	0.2-	0.3-	970216 411	0.5-	0.7-	970309 411	0.1+	0.2-
970212 411	0.3+	0.0	970216 411	0.2+	0.2+			

1997 CE₂₀ = 1995 WH₄₃

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	180.03677	(2000.0)		P	Q
<i>n</i>	0.24010211	ω	256.09986	+0.99583102	-0.00634356
<i>a</i>	2.5637287	Ω	104.20469	+0.04015627	+0.92620000
<i>e</i>	0.1406310	<i>i</i>	5.38607	-0.08190272	+0.37697921
<i>P</i>	4.10	<i>H</i>	13.5	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

951130 691	0.2+	0.3-	970212 411	0.5-	0.0	970226 411	0.8-	0.3-
951130 691	0.2+	0.2-	970212 411	0.5-	0.6-	970226 411	0.4+	0.4+
951130 691	0.5+	0.9-	970213 411	0.3-	0.4-	970309 411	1.8+	0.7+
951214 691	0.3-	0.6+	970213 411	0.1-	0.2-	970309 411	0.2-	0.6+
951214 691	0.2-	0.5+	970216 411	0.3+	0.1-			
951214 691	0.5-	0.5+	970216 411	0.1-	0.2-			

1997 CK₂₀ = 1976 UU₁ = 1978 EQ₂ = 1978 GB₁ = 1994 GQ₉

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

<i>M</i>	329.82876	(2000.0)		P	Q
<i>n</i>	0.30943189	ω	210.93445	-0.68662731	+0.72674816
<i>a</i>	2.1648410	Ω	15.73026	-0.65145178	-0.60314163
<i>e</i>	0.0708711	<i>i</i>	4.12357	-0.32272823	-0.32872070
<i>P</i>	3.19	<i>H</i>	14.2	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

761026 095	0.5+	1.0-	940413 894	0.6+	0.7+	970216 411	0.0	0.4+
780305 095	0.6-	2.0-	970212 411	0.4+	0.1+	970226 411	0.2+	0.3+
780407 095	0.8-	0.6-	970212 411	0.2+	0.2-	970226 411	0.0	0.7+
940405 894	1.0-	0.7-	970213 411	0.2-	0.4+	970309 411	0.6+	0.2-
940405 894	0.6+	0.7+	970213 411	0.4+	0.1-	970309 411	1.1-	0.2-
940413 894	0.0	0.3-	970216 411	0.4+	0.4+			

1997 CU₂₆

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

<i>M</i>	320.35761	(2000.0)		P	Q
<i>n</i>	0.01559443	ω	246.19100	-0.92842908	+0.14455114
<i>a</i>	15.8668107	Ω	300.46726	+0.07310976	-0.83209613
<i>e</i>	0.1901910	<i>i</i>	23.39458	-0.36424497	-0.53546335
<i>P</i>	63.20	<i>H</i>	6.0	<i>G</i> 0.15	<i>U</i> 6

From 171 observations 1997 Feb. 15-Apr. 8, mean residual 0^u.40.

1997 CB₂₇ = 1995 WP₁₄

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Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams			
<i>M</i>	34.44261	(2000.0)	P	Q			
<i>n</i>	0.26382146	ω 141.82107	-0.97247154	-0.22731367			
<i>a</i>	2.4076645	Ω 25.18325	+0.17296438	-0.85156144			
<i>e</i>	0.2197633	<i>i</i> 6.91900	+0.15614871	-0.47241042			
<i>P</i>	3.74	<i>H</i> 16.0	<i>G</i> 0.15	<i>U</i> 4			

Residuals in seconds of arc

951117 691	0.3+	0.0	970215 691	0.0	0.2+	970403 400	0.9+	0.4-
951117 691	0.4+	0.2+	970215 691	0.2-	0.1+	970403 400	0.9-	0.7-
951117 691	0.3+	0.1+	970215 691	0.5+	0.1-	970404 400	0.5+	0.1+
951120 691	0.2-	0.2-	970216 691	0.1-	0.2-	970411 704	0.0	0.0
951120 691	0.3-	0.2-	970216 691	0.1-	0.2+	970411 704	0.6-	0.6+
951120 691	0.3-	0.2-	970216 691	0.1+	0.1+			

1997 CU₂₈ = 1989 GG₆ = 1989 GF₇

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams			
<i>M</i>	77.12851	(2000.0)	P	Q			
<i>n</i>	0.22671762	ω 120.66585	+0.37915723	-0.92451422			
<i>a</i>	2.6636626	Ω 307.00216	+0.83143885	+0.35883461			
<i>e</i>	0.1969673	<i>i</i> 2.79199	+0.40613943	+0.12849581			
<i>P</i>	4.35	<i>H</i> 14.0	<i>G</i> 0.15	<i>U</i> 5			

Residuals in seconds of arc

890405 809	0.7+	0.4+	970131 691	0.5+	0.5-	970215 327	0.0	0.7+
890405 809	0.2+	0.2+	970206 327	0.2+	1.0-	970215 327	1.5-	0.3+
890405 809	0.7-	0.1+	970206 327	1.3-	0.9-	970305 704	2.2+	0.5+
890408 809	0.3+	0.8-	970206 327	0.2-	0.8-	970305 704	0.5+	0.5-
890408 809	0.8-	0.0	970213 327	0.2-	0.4+	970306 704	0.1+	1.0+
890408 809	0.1+	0.5-	970213 327	0.5-	0.4+	970306 704	0.7+	0.8+
970131 691	0.1+	0.1-	970213 327	0.6-	0.5+			
970131 691	0.2+	0.3-	970215 327	0.2+	0.1-			

1997 CK₂₉ = 1990 DU₇ = 1992 XZ

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Nakano			
<i>M</i>	68.39583	(2000.0)	P	Q			
<i>n</i>	0.28210452	ω 123.86275	-0.10313213	-0.99462102			
<i>a</i>	2.3024808	Ω 332.05207	+0.90566623	-0.08989532			
<i>e</i>	0.2072961	<i>i</i> 1.17775	+0.41125715	-0.05145740			
<i>P</i>	3.49	<i>H</i> 14.7	<i>G</i> 0.15	<i>U</i> 3			

Residuals in seconds of arc

900218 399	0.5+	1.6-	970207 098	0.9-	0.2+	970214 358	0.6+	0.2+
900218 399	1.0-	1.9-	970208 098	0.4-	1.6+	970218 358	0.2-	0.0
900218 399	1.1-	0.4-	970208 098	0.9+	0.5+	970218 358	1.2-	0.2+
921213 010	0.3+	0.3+	970210 358	1.8+	2.1-	970305 358	1.4+	2.3+
921214 010	0.6-	0.4+	970210 358	0.5-	1.4-	970305 358	1.2+	1.9+
970207 098	0.8-	0.4+	970214 358	0.3-	0.3+			

1997 DF

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams			
<i>M</i>	124.75078	(2000.0)	P	Q			
<i>n</i>	0.51491945	ω 268.43373	+0.55358531	-0.81322124			
<i>a</i>	1.5416171	Ω 145.89881	+0.83270272	+0.53735324			
<i>e</i>	0.1468305	<i>i</i> 18.67091	+0.01222657	+0.22343391			
<i>P</i>	1.91	<i>H</i> 18.0	<i>G</i> 0.15	<i>U</i> 5			

From 90 observations 1997 Feb. 26-Apr. 2, mean residual 0^o.41.**1997 DT = 1991 PN₅**

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Nakano			
<i>M</i>	338.67797	(2000.0)	P	Q			
<i>n</i>	0.28545455	ω 85.17141	-0.81146906	+0.58234252			
<i>a</i>	2.2844311	Ω 130.43471	-0.55842582	-0.74799747			
<i>e</i>	0.0708288	<i>i</i> 3.68656	-0.17227470	-0.31839750			
<i>P</i>	3.45	<i>H</i> 15.2	<i>G</i> 0.15	<i>U</i> 6			

Residuals in seconds of arc

910803 809	0.2-	0.9+	910805 809	1.2-	0.7-	970312 400	0.4+	0.7+
910803 809	0.3-	0.9+	970227 400	0.3+	0.1+	970312 400	0.5-	0.0
910803 809	0.7-	0.1-	970227 400	(0.5-	3.7-)	970312 400	0.6+	0.3+
910805 809	1.6+	0.6-	970303 400	0.7-	0.4+	970316 400	0.8-	1.1+
910805 809	0.8+	0.4-	970303 400	0.3-	1.3-	970316 400	1.0+	1.4-

1997 EB = 1979 SB₁₃ = 1984 YX₆ = 1989 AR₃

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Nakano			
<i>M</i>	323.67411	(2000.0)	P	Q			
<i>n</i>	0.25711898	ω 127.48336	-0.49005658	+0.86977358			
<i>a</i>	2.4493262	Ω 113.07756	-0.81827675	-0.43616977			
<i>e</i>	0.1447269	<i>i</i> 3.60087	-0.30044585	-0.23075930			
<i>P</i>	3.83	<i>H</i> 13.4	<i>G</i> 0.15	<i>U</i> 4			

Residuals in seconds of arc

790920 675	0.1-	0.3-	890110 413	2.1-	1.8+	970302 411	0.1-	0.3-
790921 675	0.2+	0.1-	890110 413	1.3+	0.3-	970307 411	0.4-	0.5-
841228 010	0.7+	0.1-	970301 411	0.1-	0.0	970307 411	0.6-	0.3+
890104 413	0.7-	0.4+	970301 411	0.0	0.1+	970312 411	0.8+	0.0
890104 413	0.7+	1.5-	970302 411	0.3+	0.3-	970312 411	0.2+	0.1+

1997 EK = 1992 EU₇

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams			
<i>M</i>	15.70047	(2000.0)	P	Q			
<i>n</i>	0.19868293	ω 159.16629	-0.98032194	-0.19373641			
<i>a</i>	2.9086782	Ω 9.89350	+0.13502112	-0.79805072			
<i>e</i>	0.0811870	<i>i</i> 12.73736	+0.14400761	-0.57059728			
<i>P</i>	4.96	<i>H</i> 12.5	<i>G</i> 0.15	<i>U</i> 4			

Residuals in seconds of arc

920301 809	0.4+	0.2+	970302 411	0.3+	0.2+	970411 327	1.4+	0.8+
920304 809	0.3-	0.1-	970302 411	0.3+	0.3-	970411 327	0.2-	0.1-
920309 809	(45.9-	32.8-)	970307 411	0.4-	0.2-	970411 327	0.1+	0.2-
920406 809	0.2-	0.4-	970307 411	0.0	0.1-	970413 327	0.3-	0.0
970301 411	0.1+	0.3+	970312 411	0.2+	0.3-	970413 327	0.3-	0.0
970301 411	0.4-	0.6+	970312 411	0.1-	0.4-	970413 327	0.5-	0.1+

1997 EY = 1983 FO = 1983 GS = 1990 VB₁₃ = 1994 RF₂₉

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Epoch 1997 June 1.0 TT = JDT 2450600.5

			Williams						
<i>M</i>	290.44627	(2000.0)	P			Q			
<i>n</i>	0.21091068	ω 282.71333	-0.09338174	+0.99549175					
<i>a</i>	2.7951407	Ω 341.90352	-0.89146389	-0.09103091					
<i>e</i>	0.0520604	<i>i</i> 3.06600	-0.44336438	-0.02663719					
<i>P</i>	4.67	<i>H</i> 12.5	<i>G</i> 0.15	<i>U</i> 1					

Residuals in seconds of arc

830318 095	2.0-	0.5+	970303 684	0.0	0.1-	970311 684	0.0	0.4+
830318 095	(2.9+	3.7-)	970303 684	0.1-	0.1-	970318 684	0.2-	0.4+
830410 688	0.9+	1.4-	970304 684	0.0	0.3-	970318 684	0.1-	0.2+
830410 688	0.4-	2.6-	970304 684	0.1+	0.4-	970318 684	0.0	0.2+
901111 374	0.1+	0.2-	970304 684	0.2-	0.4-	970319 684	0.2-	0.2+
901111 374	(6.0-	3.8-)	970305 684	0.2-	0.2-	970319 684	0.3-	0.1+
940901 033	0.2-	0.4-	970305 684	0.1-	0.5-	970319 684	0.3-	0.2+
940902 033	0.6+	0.5+	970305 684	0.1-	0.3-	970401 684	0.8+	0.5+
940904 033	0.3+	1.4-	970311 684	0.2+	0.4+	970401 684	0.8+	0.4+
970303 684	0.1-	0.1-	970311 684	0.1+	0.5+	970401 684	0.9+	0.5+

1997 EB₁ = 5015 T-2

Epoch 1997 June 1.0 TT = JDT 2450600.5

			Williams						
<i>M</i>	287.37220	(2000.0)	P			Q			
<i>n</i>	0.27257611	ω 347.40411	-0.08939984	+0.99057320					
<i>a</i>	2.3558313	Ω 277.39848	-0.90448951	-0.12437569					
<i>e</i>	0.0837381	<i>i</i> 6.00767	-0.41702085	+0.05740581					
<i>P</i>	3.62	<i>H</i> 15.5	<i>G</i> 0.15	<i>U</i> 5					

Residuals in seconds of arc

730920 675	0.7-	0.0	970303 691	0.3+	0.2+	970309 691	1.2-	0.8-
730920 675	1.2+	0.2+	970304 691	0.2-	0.3+	970309 691	0.1-	1.1-
730924 675	0.7+	0.6+	970304 691	0.3-	0.4+	970309 691	0.2+	0.1-
730924 675	0.0	1.4+	970304 691	0.2-	0.3+	970309 691	0.3+	0.1-
730925 675	0.2+	0.7-	970308 691	0.1+	0.1+	970309 691	0.1+	0.1+
730925 675	1.4-	1.4-	970308 691	0.1+	0.2+	970316 691	0.2+	0.2-
970303 691	0.1+	0.1-	970308 691	0.1+	0.1+	970316 691	0.3+	0.5+
970303 691	0.3+	0.1+	970309 691	0.2-	0.2-	970316 691	0.2+	0.5+

1997 ER₂ = 1988 VD₂

Epoch 1997 June 1.0 TT = JDT 2450600.5

			Nakano						
<i>M</i>	128.65792	(2000.0)	P			Q			
<i>n</i>	0.27641040	ω 6.24196	+0.46601904	-0.88232823					
<i>a</i>	2.3339943	Ω 56.00023	+0.80829628	+0.39433670					
<i>e</i>	0.0567765	<i>i</i> 4.54887	+0.35983798	+0.25689580					
<i>P</i>	3.57	<i>H</i> 13.4	<i>G</i> 0.15	<i>U</i> 6					

Residuals in seconds of arc

881102 399	0.1+	0.7-	881108 399	(4.2-	1.8-)	970305 411	1.3-	0.1-
881102 399	1.5+	0.5-	881111 399	0.6-	0.1-	970309 411	0.3+	0.6-
881102 399	(4.4+	0.8+)	881111 399	0.2-	0.4+	970309 411	0.1+	0.1-
881104 327	0.1+	0.0	881111 399	0.1-	0.7+	970312 411	1.1+	0.8-
881104 327	0.6-	1.1+	970304 411	0.8+	0.1+	970312 411	0.1-	0.5-
881108 399	(3.2+	0.2-)	970304 411	0.2-	1.9+			
881108 399	0.2-	0.9-	970305 411	0.9-	0.0			

1997 EW₂ = 1973 AA₃ = 1976 UY₁₇ = 1978 EM₁ = 1992 CF₂

Epoch 1997 June 1.0 TT = JDT 2450600.5

			Nakano						
<i>M</i>	68.23178	(2000.0)	P			Q			
<i>n</i>	0.21203147	ω 9.06476	-0.49901967	-0.86277078					
<i>a</i>	2.7852819	Ω 110.90731	+0.78952927	-0.49130414					
<i>e</i>	0.0499093	<i>i</i> 4.99136	+0.35724348	-0.11936003					
<i>P</i>	4.65	<i>H</i> 13.2	<i>G</i> 0.15	<i>U</i> 2					

Residuals in seconds of arc

730102 095	0.2+	1.6-	920205 372	(5.0-	4.1+)	970305 411	0.0	0.2+
761022 381	(1.7-	37.7-)	920205 372	0.2+	0.6+	970305 411	0.0	0.0
761022 381	0.9-	0.3-	920205 372	1.9-	0.1+	970309 411	0.0	0.2-
761024 381	1.0-	0.2+	920208 372	0.7-	1.2-	970309 411	0.2-	0.2+
761024 381	1.5+	1.2+	920208 372	0.9+	0.3-	970312 411	0.5+	0.0
780305 095	0.1+	1.1+	970304 411	0.6-	0.4-	970312 411	0.2+	0.2+
920205 372	1.8+	1.4+	970304 411	0.0	0.0			

1997 EA₃ = 1981 RR₆ = 1991 NS₇

Epoch 1997 June 1.0 TT = JDT 2450600.5

			Nakano						
<i>M</i>	108.42807	(2000.0)	P			Q			
<i>n</i>	0.28828599	ω 336.79767	+0.02678302	-0.99569252					
<i>a</i>	2.2694486	Ω 111.57171	+0.93146222	-0.00737354					
<i>e</i>	0.0179318	<i>i</i> 5.47720	+0.36285094	+0.09242313					
<i>P</i>	3.42	<i>H</i> 13.8	<i>G</i> 0.15	<i>U</i> 4					

Residuals in seconds of arc

810901 675	0.0	0.1+	910716 809	0.6-	2.1-	970305 411	0.5-	0.5+
810902 675	0.0	0.1-	910716 809	0.0	2.3-	970305 411	0.3-	0.8+
910715 809	0.2-	2.3+	910716 809	0.5+	2.2-	970312 411	0.7+	0.0
910715 809	0.1+	2.1+	970304 411	0.6-	0.6-	970312 411	0.9+	0.3-
910715 809	0.2+	2.2+	970304 411	0.2-	0.4-			

1997 EO₇

Epoch 1997 June 1.0 TT = JDT 2450600.5

			Marsden						
<i>M</i>	248.98224	(2000.0)	P			Q			
<i>n</i>	0.17522528	ω 320.87485	+0.36394870	+0.92802404					
<i>a</i>	3.1627987	Ω 330.21997	-0.80937362	+0.27289353					
<i>e</i>	0.1710656	<i>i</i> 9.20517	-0.46092916	+0.25357545					
<i>P</i>	5.62	<i>H</i> 13.0	<i>G</i> 0.15	<i>U</i> 4					

From 20 observations 1997 Jan. 9-Apr. 13, mean residual 0".15.

1997 EK₈ = 1993 BF₁₅ = 1995 SA₂₉

Epoch 1997 June 1.0 TT = JDT 2450600.5

			Marsden						
<i>M</i>	83.33511	(2000.0)	P			Q			
<i>n</i>	0.26183406	ω 93.29080	+0.04265412	-0.99907866					
<i>a</i>	2.4198324	Ω 354.25812	+0.89680627	+0.04037785					
<i>e</i>	0.2050702	<i>i</i> 2.71533	+0.44036251	+0.01454192					
<i>P</i>	3.76	<i>H</i> 15.5	<i>G</i> 0.15	<i>U</i> 3					

Residuals in seconds of arc

930122 691	1.2+	0.4-	950920 691	0.2-	0.3+	970310 684	0.3-	0.3-
930122 691	0.9+	0.5-	951001 691	0.1+	0.0	970310 684	0.3-	0.3-
930122 691	1.2+	0.1-	951001 691	0.2-	0.1+	970314 684	0.8+	0.6+
930122 399	1.6-	0.0	951001 691	0.2-	0.3+	970314 684	1.6+	0.4+
930122 399	0.1-	1.7+	970308 684	0.3-	0.1+	970314 684	0.6+	0.7+
930123 400	1.5-	0.3-	970308 684	0.4-	0.2+	970331 684	0.3+	0.3+
930123 400	(2.4-	0.3+)	970309 684	0.5-	0.1-	970331 684	0.0	0.3+

950920 691 0.0 0.3+ 970309 684 0.8- 0.4- 970415 684 0.1- 0.2-
 950920 691 0.0 0.1+ 970310 684 0.3- 0.3- 970415 684 0.1+ 0.1-

1997 EL₁₁ = 1986 VD₆

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	238.71688	(2000.0)	
<i>n</i>	0.23359042	ω 270.90354	+0.80171087 +0.55621173
<i>a</i>	2.6111553	Ω 55.33447	-0.38525701 +0.76078624
<i>e</i>	0.1486748	<i>i</i> 15.43016	-0.45698656 +0.33441412
<i>P</i>	4.22	<i>H</i> 13.0	<i>G</i> 0.15 <i>U</i> 5

Residuals in seconds of arc

861106 688 1.3- 0.0 970310 557 0.4+ 0.3- 970331 557 1.0- 0.0
 861106 688 0.7- 0.5- 970310 557 0.3+ 0.0 970331 557 0.1- 0.1-
 861204 688 2.4+ 0.7- 970312 557 0.2+ 0.0 970404 557 0.5- 0.1-
 861204 688 0.0 1.3+ 970312 557 0.0 0.2- 970404 557 0.3- 0.1+
 970309 557 0.4+ 0.2+ 970313 557 0.2+ 0.0 970404 557 0.3- 0.2-
 970309 557 0.3+ 0.2+ 970313 557 0.1- 0.1+
 970309 557 0.4+ 0.3+ 970313 557 0.2+ 0.0

1997 EH₁₅ = 6359 P-L

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	9.90544	(2000.0)	
<i>n</i>	0.17552550	ω 185.89461	-0.99469046 +0.10291204
<i>a</i>	3.1591912	Ω 0.01286	-0.07790504 -0.75256033
<i>e</i>	0.1094304	<i>i</i> 17.39692	-0.06724357 -0.65043221
<i>P</i>	5.62	<i>H</i> 14.5	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

600924 675 0.3- 0.5+ 600928 675 0.2- 0.6- 970310 691 0.1+ 0.1-
 600924 675 0.5+ 0.5- 970304 691 0.4+ 0.2+ 970310 691 0.1- 0.0
 600926 675 0.0 0.0 970304 691 0.3+ 0.1- 970315 691 0.3- 0.0
 600926 675 0.3- 0.0 970304 691 0.1+ 0.2- 970315 691 0.2- 0.1+
 600928 675 0.5+ 0.4+ 970310 691 0.1- 0.1- 970315 691 0.4- 0.0

1997 EU₁₆ = 1978 WM₆

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	201.31823	(2000.0)	
<i>n</i>	0.18361342	ω 345.46701	+0.99937083 +0.03534945
<i>a</i>	3.0657243	Ω 12.50827	-0.03106306 +0.91169273
<i>e</i>	0.2361124	<i>i</i> 0.76475	-0.01711800 +0.40934922
<i>P</i>	5.37	<i>H</i> 15.5	<i>G</i> 0.15 <i>U</i> 6

Residuals in seconds of arc

781129 675 0.9- 0.5- 970310 691 0.0 0.7- 970408 691 0.2+ 0.3+
 781130 675 0.9+ 0.6+ 970310 691 0.2- 0.2- 970408 691 0.1+ 0.3+
 970305 691 0.2- 0.2+ 970407 691 0.2+ 0.3+ 970408 691 0.0 0.0
 970305 691 0.2+ 0.0 970407 691 0.1- 0.0
 970310 691 0.2- 0.3- 970407 691 0.0 0.2+

1997 EQ₁₇ = 1980 FP₉ = 1992 LB

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	358.90852	(2000.0)	
<i>n</i>	0.17487742	ω 23.43939	-0.97946679 +0.17252388
<i>a</i>	3.1669914	Ω 165.30025	-0.17324435 -0.98487646
<i>e</i>	0.1419956	<i>i</i> 24.27162	+0.10310771 -0.01593358
<i>P</i>	5.64	<i>H</i> 12.5	<i>G</i> 0.15 <i>U</i> 3

Residuals in seconds of arc

800316 095 0.1+ 2.6- 970301 399 0.7- 0.1- 970402 552 0.7+ 0.1-
 920601 675 0.8- 0.2+ 970303 399 0.3+ 2.2+ 970402 552 0.6+ 0.2-
 920601 675 0.3- 0.8- 970303 399 1.3- 0.3+ 970403 552 0.3+ 0.5+
 920602 675 1.1+ 0.2+ 970308 399 0.3- 1.2- 970403 552 0.3+ 0.4+
 970301 399 0.5+ 0.9+ 970308 399 0.5- 0.1-

1997 ED₂₃ = 1993 FP₄₁

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams	
<i>M</i>	350.60792	(2000.0)	
<i>n</i>	0.24480775	ω 223.95806	-0.74571591 +0.66626154
<i>a</i>	2.5307696	Ω 357.81868	-0.59723198 -0.66966764
<i>e</i>	0.1906155	<i>i</i> 2.75782	-0.29533328 -0.32808660
<i>P</i>	4.03	<i>H</i> 15.5	<i>G</i> 0.15 <i>U</i> 5

Residuals in seconds of arc

930319 809 0.5- 1.3+ 970315 691 1.1- 0.1- 970331 596 0.6- 0.4+
 930320 809 1.6+ 1.4+ 970315 691 0.9- 0.2- 970406 596 1.8+ 0.8+
 930324 809 0.1+ 0.1- 970327 596 0.2+ 0.5- 970406 596 1.8+ 1.3+
 970305 691 0.6+ 0.0 970327 596 0.5- 0.1- 970407 596 0.3+ 0.5-
 970305 691 0.6+ 0.2- 970327 596 0.1- 0.5+ 970407 596 0.9+ 0.1+
 970305 691 0.7+ 0.1- 970327 596 1.4- 0.7- 970408 691 0.7- 0.3-
 970310 596 (2.1+ 1.7-) 970329 596 0.2+ 1.1+ 970408 691 0.7- 0.5-
 970310 596 1.0- 0.9- 970329 596 0.8+ 0.6+ 970408 691 0.7- 0.5-
 970310 596 1.2+ 0.4+ 970329 596 0.1+ 0.5+ 970409 691 0.3- 0.1+
 970311 596 0.5- 0.2- 970330 596 0.1+ 1.0+ 970409 691 0.4- 0.1+
 970311 596 0.7- 0.8- 970330 596 1.3- 1.0- 970409 691 0.4- 0.4+
 970311 596 0.5+ 0.1- 970330 596 1.5+ 0.1- 970415 691 0.7- 1.2-
 970312 596 0.1- 0.1+ 970331 596 1.0+ 1.3- 970415 691 0.4- 0.9-
 970312 596 0.2+ 0.1+ 970331 596 0.1+ 0.4+ 970415 691 0.4- 0.7-
 970315 691 1.0- 0.2- 970331 596 0.1- 0.5+

1997 EQ₂₅ = 1993 QT₅

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Urata	
<i>M</i>	266.70970	(2000.0)	
<i>n</i>	0.16049344	ω 107.93184	+0.25191698 +0.96766622
<i>a</i>	3.3534965	Ω 176.58271	-0.94865551 +0.24950863
<i>e</i>	0.1031909	<i>i</i> 12.24881	-0.19128659 +0.03698021
<i>P</i>	6.14	<i>H</i> 13.5	<i>G</i> 0.15 <i>U</i> 4

Residuals in seconds of arc

930817 010(17.8- 34.7-) 930918 010 1.2- 0.6+ 970308 385 0.4- 0.1-
 930819 010 0.1+ 0.7- 930918 010 1.4- 0.5+ 970311 385 0.5+ 1.3+
 930819 010 1.6+ 0.7+ 970305 385 0.1+ 0.8+ 970311 385 1.0- 0.5+
 930819 010 0.5+ 0.5- 970305 385 0.3+ 0.6+ 970318 385 0.5+ 0.6-
 930918 010 0.0 1.8+ 970308 385 0.6+ 0.4+ 970318 385 0.2- 0.4-

1997 EW₂₅ = 1977 HJ

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Nakano	
<i>M</i>	347.80719	(2000.0)	
<i>n</i>	0.29367637	ω 204.70009	-0.75934775 +0.64983204
<i>a</i>	2.2415927	Ω 15.96758	-0.57505988 -0.64626284
<i>e</i>	0.0695816	<i>i</i> 6.95406	-0.30446204 -0.40007833
<i>P</i>	3.36	<i>H</i> 15.2	<i>G</i> 0.15 <i>U</i> 5

Residuals in seconds of arc

770424 675	0.1-	0.5-	970305 358	0.1-	0.8-	970317 358	0.1-	0.9-
770425 675	0.1+	0.5+	970305 358	2.0+	0.1+	970317 358	0.5+	0.2+
970303 358	1.4-	0.6+	970307 358	0.1+	0.4+	970318 358	0.8-	0.6-
970303 358	0.1-	0.9-	970307 358	0.3-	0.9+	970318 358	0.2+	1.0+

1997 EO₃₂ = 1994 TK₄

Epoch 1997 June 1.0 TT = JDT 2450600.5			Williams		
<i>M</i>	287.57811	(2000.0)	P	Q	
<i>n</i>	0.23379882	ω 130.09387	+0.36607638	+0.93057106	
<i>a</i>	2.6096034	Ω 161.37808	-0.85854265	+0.33982821	
<i>e</i>	0.1639369	<i>i</i> 0.90763	-0.35901617	+0.13621412	
<i>P</i>	4.22	<i>H</i> 16.0	<i>G</i> 0.15	<i>U</i> 4	

Residuals in seconds of arc

941002 691	0.1-	0.5-	970311 691	0.5-	0.1-	970407 691	0.1-	0.2+
941002 691	0.2+	0.3-	970311 691	0.0	0.3-	970412 691	0.0	0.5-
941002 691	0.0	0.6-	970311 691	0.1-	0.0	970412 691	0.2+	0.6-
941011 691	0.5+	0.2-	970315 691	0.2+	0.3-	970412 691	0.2-	0.4-
941011 691	0.2+	0.2-	970315 691	0.3+	0.6-	970416 691	0.7-	0.2-
941011 691	0.0	0.2-	970315 691	0.2+	0.5-	970416 691	0.1-	0.0
970207 697	0.3+	0.0	970407 691	0.3+	0.2+	970416 691	0.1-	0.4-
970208 697	0.5-	1.3+	970407 691	0.0	0.2+			

1997 EV₃₂ = 1979 OJ₉ = 1991 TQ₁₄

Epoch 1997 June 1.0 TT = JDT 2450600.5			Williams		
<i>M</i>	352.42383	(2000.0)	P	Q	
<i>n</i>	0.26216952	ω 39.67784	-0.89864908	+0.43780704	
<i>a</i>	2.4177677	Ω 166.20832	-0.42603709	-0.85613826	
<i>e</i>	0.0915367	<i>i</i> 6.61792	-0.10450947	-0.27450368	
<i>P</i>	3.76	<i>H</i> 15.5	<i>G</i> 0.15	<i>U</i> 4	

Residuals in seconds of arc

790724 413	0.2+	0.2+	911007 691	0.2-	0.3-	970318 684	0.5+	0.3-
790726 675	(4.3+	1.1+)	970312 540	0.9-	0.0	970319 684	0.2-	0.5-
790728 413	0.2-	0.5-	970312 540	0.3-	0.0	970319 684	0.2-	0.3-
911007 691	0.3+	0.0	970318 684	0.5+	0.3-	970402 540	0.2-	0.7-
911007 691	0.0	0.2-	970318 684	0.5+	0.3-	970402 540	0.0	1.9+

1997 EQ₄₀ = 1994 PL₈

Epoch 1997 June 1.0 TT = JDT 2450600.5			Williams		
<i>M</i>	314.14888	(2000.0)	P	Q	
<i>n</i>	0.24149255	ω 102.45431	-0.28272604	+0.95460912	
<i>a</i>	2.5538785	Ω 150.59518	-0.93742586	-0.25427999	
<i>e</i>	0.0965789	<i>i</i> 11.00694	-0.20322091	-0.15512290	
<i>P</i>	4.08	<i>H</i> 14.5	<i>G</i> 0.15	<i>U</i> 4	

Residuals in seconds of arc

940810 809	0.6+	1.0+	970316 104	0.8+	1.3+	970406 104	0.1-	0.5-
940810 809	0.2-	0.7-	970316 104	0.5+	0.8+	970406 104	0.1-	0.6-
940810 809	0.7+	0.7+	970316 104	0.3+	0.9+	970406 104	0.7-	0.2+
940811 809	0.3-	0.4-	970317 104	0.5-	1.1-	970413 104	0.2-	0.7+
940811 809	1.0-	0.4-	970317 104	0.5-	0.8-	970413 104	0.4+	0.3+
940811 809	0.2+	0.2-	970317 104	0.1-	1.3-	970413 104	0.6+	0.2+
970313 104	0.4-	0.8-	970403 104	(2.4+	0.9-)	970414 104	0.0	0.2-
970313 104	0.8-	0.2+	970403 104	(2.4+	1.1-)	970414 104	0.1+	0.1-

970313 104	(2.3-	0.0)	970403 104	(2.2+	1.1-)	970414 104	0.0	0.1-
970316 104	0.9+	1.2+	970406 104	0.0	0.5-	970414 104	0.2-	0.2+

1997 ES₄₀ = 1988 VP₆ = 1992 YX

Epoch 1997 June 1.0 TT = JDT 2450600.5			Williams		
<i>M</i>	129.51377	(2000.0)	P	Q	
<i>n</i>	0.27952404	ω 224.48439	+0.48218728	-0.87584225	
<i>a</i>	2.3166296	Ω 196.71881	+0.82182193	+0.46008028	
<i>e</i>	0.1205960	<i>i</i> 3.96550	+0.30348663	+0.14569317	
<i>P</i>	3.53	<i>H</i> 15.0	<i>G</i> 0.15	<i>U</i> 5	

Residuals in seconds of arc

881103 033	0.4-	0.5+	970308 688	0.4+	0.0	970310 688	0.6+	0.0
881103 033	0.0	0.2+	970308 688	0.1+	0.0	970311 688	0.2+	0.4+
881104 033	0.1+	0.5+	970308 688	0.2+	0.0	970311 688	0.2+	0.3+
921221 372	(1.0+	2.6-)	970308 688	0.0	0.3+	970311 688	0.0	0.0
921221 372	1.4-	0.7-	970308 688	0.1-	0.2+	970311 688	0.0	0.3+
921223 372	1.2+	1.4-	970308 688	0.1-	0.3+	970312 688	0.9+	0.0
921223 372	0.1-	0.8+	970308 688	0.2-	0.1+	970312 688	0.7+	0.1-
970307 688	0.4-	0.3+	970308 688	0.1-	0.1+	970312 688	0.4+	0.2-
970307 688	0.3+	0.2-	970308 688	0.4-	0.3+	970312 688	0.5+	0.2-
970307 688	0.3-	0.6+	970309 688	0.1-	0.3+	970312 688	0.3+	0.1+
970307 688	0.3-	0.3+	970309 688	0.3+	0.3+	970313 688	0.4-	0.2-
970307 688	0.2+	0.0	970310 688	0.2-	0.0	970313 688	0.1+	0.7+
970307 688	0.5-	0.4+	970310 688	0.4+	0.2+	970313 688	0.7+	0.2-
970307 688	0.6-	0.9+	970310 688	0.3+	0.2+	970313 688	0.2+	0.1+
970307 688	0.0	0.2+	970310 688	0.1+	0.1+	970415 691	1.6-	1.4-
970307 688	0.7+	0.0	970310 688	0.3+	0.1-	970415 691	1.6-	1.2-
970308 688	0.1+	0.0	970310 688	0.3+	0.2-	970415 691	1.8-	0.9-
970308 688	0.0	0.1-	970310 688	0.6+	0.3-			

1997 EW₄₅ = 1995 WG₄₃

Epoch 1997 June 1.0 TT = JDT 2450600.5			Williams		
<i>M</i>	12.28417	(2000.0)	P	Q	
<i>n</i>	0.24360919	ω 100.82494	-0.93864244	+0.32265259	
<i>a</i>	2.5390637	Ω 98.08406	-0.34444313	-0.85896008	
<i>e</i>	0.1845469	<i>i</i> 7.06907	-0.01758696	-0.39759638	
<i>P</i>	4.05	<i>H</i> 14.0	<i>G</i> 0.15	<i>U</i> 3	

Residuals in seconds of arc

951130 691	0.1+	0.0	970318 327	0.1+	0.1+	970330 327	0.2+	0.8+
951130 691	0.1-	0.0	970318 327	0.1+	0.1+	970402 327	0.0	0.1+
951214 691	0.2+	0.1-	970318 327	0.1+	0.2+	970402 327	0.4+	0.0
951214 691	0.2-	0.1-	970322 327	0.0	0.4+	970402 327	0.2+	0.0
951214 691	0.1+	0.1+	970322 327	0.1-	0.1-	970413 327	0.2-	0.0
970309 327	0.3+	0.2+	970322 327	0.1-	0.0	970413 327	0.2-	0.0
970309 327	0.3-	0.3-	970328 327	0.3+	0.2-	970413 327	0.1-	0.1-
970309 327	0.4-	0.3-	970328 327	0.4-	0.0	970415 327	0.3-	0.2-
970316 327	0.1+	0.2+	970328 327	0.2-	0.2-	970415 327	0.1-	0.2-
970316 327	0.0	0.0	970330 327	0.4+	0.2-	970415 327	0.0	0.3-
970316 327	0.1-	0.0	970330 327	0.1+	0.1+			

1997 EX₄₅ = 1993 HG₈

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	67.49463	(2000.0)	P	Q
<i>n</i>	0.24489449	ω 19.74681	-0.64083100	-0.76577088
<i>a</i>	2.5301720	Ω 110.14640	+0.69635800	-0.60952851
<i>e</i>	0.0989859	<i>i</i> 3.30568	+0.32314264	-0.20510962
<i>P</i>	4.02	<i>H</i> 13.5	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

930418 413	0.7+	0.2+	970318 327	0.2-	0.1-	970328 327	0.0	0.1+
930424 691	0.3-	0.1+	970318 327	0.1+	0.2-	970328 327	0.6-	0.1+
930424 691	0.3-	0.4-	970318 327	0.1+	0.2-	970330 327	0.0	0.3+
930424 691	0.1-	0.1-	970319 327	0.6+	0.4+	970330 327	0.5+	0.4+
970315 327	0.2-	0.0	970319 327	0.0	0.3-	970330 327	0.3+	0.2-
970315 327	0.2-	0.1-	970319 327	0.4-	0.0			
970315 327	0.0	0.2-	970328 327	0.1-	0.3+			

1997 EY₄₅ = 1995 UL₁₉

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	67.43861	(2000.0)	P	Q
<i>n</i>	0.26722068	ω 43.47713	-0.57787878	-0.81419572
<i>a</i>	2.3872029	Ω 81.90109	+0.73242959	-0.54768746
<i>e</i>	0.1541139	<i>i</i> 3.24544	+0.36000419	-0.19267535
<i>P</i>	3.69	<i>H</i> 14.0	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

951019 691	0.2+	0.2+	970315 327	0.1+	0.2+	970319 327	0.3+	0.2+
951019 691	0.1-	0.6+	970315 327	0.4-	0.0	970319 327	0.2+	0.5+
951019 691	0.4-	0.1-	970315 327	0.2-	0.1-	970319 327	0.4+	0.1-
951024 691	0.3+	0.4-	970318 327	0.0	0.1-	970330 327	0.3-	0.6+
951024 691	0.1+	0.1-	970318 327	0.2+	0.2-	970330 327	0.3-	0.1-
951024 691	0.1-	0.3-	970318 327	0.3-	0.2-	970330 327	0.2+	0.7-

1997 EG₄₆ = 1978 TA₃ = 1978 UE = 1989 UJ₁

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	91.26768	(2000.0)	P	Q
<i>n</i>	0.18153456	ω 63.60110	-0.20425329	-0.97491144
<i>a</i>	3.0890849	Ω 38.51609	+0.83989536	-0.22095634
<i>e</i>	0.0855412	<i>i</i> 8.16817	+0.50284827	-0.02694384
<i>P</i>	5.43	<i>H</i> 11.5	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

781004 095	0.5-	0.0	891029 399	1.2+	0.3+	970328 327	0.2-	0.0
781028 688	1.0+	1.1-	Y 970315 327	0.1-	0.5+	970328 327	0.2+	0.1+
891026 399	1.2-	1.8+	970315 327	0.1-	0.6+	970328 327	0.6+	0.1-
891026 399	0.4-	1.0-	970315 327	0.0	0.6+	970330 327	0.5+	0.5-
891026 399	0.5-	0.1+	970318 327	1.1-	0.6-	970330 327	0.1+	0.3-
891029 399	1.3+	0.4-	970318 327	0.0	0.1+	970330 327	0.1-	0.6-
891029 399	0.7-	0.0	970318 327	0.0	0.0			

1997 FC = 1996 AS₃

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	327.79229	(2000.0)	P	Q
<i>n</i>	0.19004173	ω 92.04060	-0.73297858	+0.66152814
<i>a</i>	2.9961949	Ω 129.42065	-0.67665357	-0.68509966
<i>e</i>	0.0582166	<i>i</i> 11.84001	-0.06987381	-0.30499012
<i>P</i>	5.19	<i>H</i> 12.5	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

960115 552	0.6+	0.8+	970317 959	0.3+	0.1+	970331 132	0.3+	0.5-
960115 552	0.2-	0.7-	970318 959	0.3-	0.1+	970331 132	0.2-	0.1+
960116 552	0.4-	1.0+	970329 124	1.0-	0.1-	970331 132	0.4+	0.1-
960116 552	0.8-	0.3-	970329 124	0.7-	0.2-	970405 124	0.9-	0.5+
960117 552	0.3+	0.6-	970329 124	0.2+	0.2-	970405 124	1.8+	0.3-
960117 552	0.0	0.5-	970330 124	0.6+	0.9-	970410 132	0.2+	0.1+
960117 552	0.4+	0.3+	970330 124	0.1+	0.0	970410 132	1.3-	0.6+
970317 959	0.0	0.7+	970330 124	0.1-	0.8-	970410 132	0.5+	1.0+

1997 FD = 1995 UU₃₂

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

<i>M</i>	341.95408	(2000.0)	P	Q
<i>n</i>	0.27587124	ω 50.79491	-0.85451388	+0.51838978
<i>a</i>	2.3370344	Ω 160.36133	-0.50159060	-0.80709508
<i>e</i>	0.1414760	<i>i</i> 5.60643	-0.13495517	-0.28261203
<i>P</i>	3.57	<i>H</i> 16.0	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

951021 691	0.4+	0.3-	970319 709	0.4+	0.2-	970322 709	0.0	0.2-
951021 691	0.1-	0.0	970319 709	0.1+	0.6+	970322 709	0.2-	0.0
951021 691	0.0	0.3+	970319 709	1.5-	0.6+	970328 709	0.2-	0.3+
951025 691	0.1-	0.0	970319 709	0.9+	0.3-	970328 709	0.0	0.1+
951025 691	0.3-	0.1+	970319 709	0.1+	0.4+	970328 709	0.7-	0.0
951025 691	0.0	0.2+	970319 709	0.7+	1.0-	970328 709	0.1-	0.0
970208 557	0.1-	0.4+	970319 709	0.5-	0.7-	970328 709	0.1-	0.1+
970208 557	0.1+	0.5+	970322 709	0.1-	0.3-	970415 709	0.6-	0.4+
970208 557	0.3-	0.3+	970322 709	0.5-	1.2-	970415 709	0.4+	0.6+
970319 709	0.8+	0.4+	970322 709	0.4+	0.5-	970415 709	0.4+	0.6+
970319 709	1.2+	0.8+	970322 709	0.0	0.4-	970415 709	0.3+	1.5+
970319 709	0.9+	0.3-	970322 709	1.7-	1.9-			

1997 FU = 1970 WH = 1981 JL₅

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	116.30855	(2000.0)	P	Q
<i>n</i>	0.23615849	ω 6.57490	+0.57873127	-0.79532161
<i>a</i>	2.5921910	Ω 48.24161	+0.73677916	+0.41508939
<i>e</i>	0.1386522	<i>i</i> 13.99263	+0.34960918	+0.44177409
<i>P</i>	4.17	<i>H</i> 12.5	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

701126 095	0.0	0.0	970330 108	0.1+	0.1-	970403 596	0.2-	0.9+
810508 675	0.2+	0.2+	970330 108	1.3-	0.6+	970406 108	1.2+	0.6+
810509 675	0.2-	0.3-	970330 108	0.3+	1.5+	970406 108	0.3+	0.9-
970329 108	0.0	0.8-	970402 108	0.0	0.2-	970406 108	1.2+	1.3-
970329 108	0.0	1.2-	970402 108	0.5-	0.1+	970406 108	1.1-	0.1-
970329 108	0.6+	0.7-	970402 108	0.6+	0.4-	970412 108	1.4-	0.1+
970329 108	0.6+	0.9-	970403 596	0.2-	1.2+	970412 108	0.2+	0.9+
970330 108	0.3-	0.7+	970403 596	0.2-	0.0			

1997 FR₁ = 1952 HA₁ = 1969 VR₂ = 1973 YJ₃ = 1989 AL₈

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

		(2000.0)		P		Q	
<i>M</i>	51.24461						
<i>n</i>	0.26176956	ω	43.66376	-0.69456364		-0.69731904	
<i>a</i>	2.4202299	Ω	91.20351	+0.60184912		-0.69797533	
<i>e</i>	0.1680267	<i>i</i>	10.19709	+0.39415604		-0.16302328	
<i>P</i>	3.77	<i>H</i>	12.5	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

520419 760	(4.9- 24.3-)	970331 627	0.1-	0.1+	970406 618	1.5-	0.3-
520419 760	0.4- 1.9+	970331 627	0.4-	0.1+	970406 618	1.8-	0.2-
691115 095	1.9+ 0.0	970401 618	1.0+	0.6-	970406 618	0.7-	0.1-
731225 095	1.3+ 0.5+	970401 618	1.0+	0.4-	970406 618	0.6-	0.1+
890110 054	1.7- 0.5+	970401 618	1.1+	0.3-	970410 133	1.5+	0.9-
890110 054	2.0- 0.9-	970401 618	0.2+	0.2+	970410 133	0.5+	0.3-
970327 618	0.4- 0.9+	970401 618	0.7+	0.1-	970410 618	0.2-	0.2-
970327 618	0.8- 0.3+	970403 618	0.6+	0.6-	970410 618	0.3-	0.2-
970327 618	0.7- 0.1+	970403 618	0.1-	0.2+	970410 618	0.0	0.4-
970330 133	0.0 0.6+	970403 618	0.1+	0.2+	970410 618	0.6+	0.0
970330 133	1.1+ 0.0	970403 618	0.7+	0.3-	970410 618	0.6+	0.2+
970330 618	1.0+ 0.4+	970403 618	0.5+	0.3-	970413 618	0.2-	0.3-
970331 958	0.2+ 0.9+	970405 124	1.1-	0.2-	970413 618	0.1-	0.3-
970331 958	0.3+ 0.8+	970405 124	0.9-	0.1-	970413 618	0.1+	0.0
970331 958	0.0 0.8+	970405 124	0.9-	0.6-	970413 618	0.1-	0.2-
970331 133	0.3+ 0.2-	970406 133	0.2-	0.0	970413 618	0.3-	0.1+
970331 133	1.0+ 0.7-	970406 133	0.3-	0.1+			
970331 627	0.1+ 0.2-	970406 618	0.6-	0.5-			

1997 FT₁ = 1995 YD₂₃

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

		(2000.0)		P		Q	
<i>M</i>	174.85569						
<i>n</i>	0.23201756	ω	287.86475	+0.71589276		-0.67020944	
<i>a</i>	2.6229427	Ω	114.72597	+0.69391926		+0.65192533	
<i>e</i>	0.1505041	<i>i</i>	12.44514	+0.07728921		+0.35470081	
<i>P</i>	4.25	<i>H</i>	14.5	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

951219 566	0.1+ 0.2-	951224 566	0.6+	0.0	970407 691	0.1+	0.3-
951219 566	0.1+ 0.3-	951224 566	0.4-	0.1+	970407 691	0.3+	0.6+
951219 566	0.2+ 0.2+	951224 566	0.5-	0.1+	970407 691	0.3+	0.0
951224 566	0.1- 0.1-	970330 691	0.3-	0.0	970410 691	0.2+	0.0
951224 566	0.1+ 0.3+	970330 691	0.2-	0.0	970410 691	0.1-	0.0
951224 566	0.2- 0.0	970330 691	0.1-	0.0	970410 691	0.1-	0.2-

1997 FB₂ = 1978 SC₁ = 1990 RO₁₀

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

		(2000.0)		P		Q	
<i>M</i>	230.87644						
<i>n</i>	0.24384074	ω	229.27892	+0.97744392		+0.16475180	
<i>a</i>	2.5374561	Ω	120.85036	-0.11512765		+0.94018425	
<i>e</i>	0.2023278	<i>i</i>	8.85385	-0.17705651		+0.29817850	
<i>P</i>	4.04	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

780927 095	1.3- 1.8+	970302 327	1.3-	0.4-	970402 327	0.6-	0.3-
781007 095	1.1+ 1.3-	970302 327	0.3-	0.5-	970402 327	0.7+	0.9+
900914 675	0.9+ 0.1+	970329 327	0.5-	0.1-	970415 327	0.4+	0.5+

900914 675	0.6+ 0.0	970329 327	0.2-	0.5-	970415 327	0.2+	0.3+
900915 675	0.6- 0.3-	970329 327	0.3+	0.1-	970415 327	1.0+	0.4+
900915 675	0.7- 0.5-	970329 327	0.0	0.4-			
970302 327	0.2- 0.6-	970402 327	0.3+	0.5+			

1997 FQ₄ = 1995 YO₂₀

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

		(2000.0)		P		Q	
<i>M</i>	315.72177						
<i>n</i>	0.17584319	ω	8.10448	-0.17786247		+0.98187724	
<i>a</i>	3.1553849	Ω	251.66878	-0.90667487		-0.18936100	
<i>e</i>	0.1004969	<i>i</i>	3.95284	-0.38249919		-0.00771310	
<i>P</i>	5.61	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	6

Residuals in seconds of arc

951225 691	0.0 0.2-	970331 704	0.1+	0.1-	970406 704	0.5+	0.2+
951225 691	0.2+ 0.1+	970331 704	0.0	0.3-	970406 704	0.3+	0.1-
951225 691	0.0 0.0	970403 704	0.2-	0.2+	970407 704	0.2-	0.3+
951230 691	0.1- 0.3-	970403 704	0.9-	0.1+	970407 704	0.3-	0.1-
951230 691	0.0 0.2+	970405 704	0.2-	0.2-			
951230 691	0.1- 0.2+	970405 704	0.8+	0.0			

1997 GH₁ = 1993 FJ₇₉

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

		(2000.0)		P		Q	
<i>M</i>	201.08843						
<i>n</i>	0.23752236	ω	179.58394	+0.99987465		-0.01578726	
<i>a</i>	2.5822585	Ω	181.32243	+0.01437184		+0.93684599	
<i>e</i>	0.1830292	<i>i</i>	2.98659	+0.00664332		+0.34938568	
<i>P</i>	4.15	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

930321 809	0.3- 0.1+	970402 691	0.9-	0.1-	970408 691	0.2-	0.3-
930322 809	0.5+ 0.4+	970407 691	0.2+	0.2+	970416 691	0.1-	0.2-
970315 691	0.5+ 0.1+	970407 691	0.3-	0.2+	970416 691	0.1+	0.4-
970315 691	0.6+ 0.1+	970407 691	0.3-	0.2+	970416 691	0.0	0.3-
970402 691	0.1- 0.5+	970408 691	0.1-	0.1+			
970402 691	0.4+ 0.5-	970408 691	0.0	0.0			

1997 GR₄ = 1993 FQ₇₉

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

		(2000.0)		P		Q	
<i>M</i>	25.70397						
<i>n</i>	0.24195212	ω	146.76419	-0.99163697		-0.12817826	
<i>a</i>	2.5506435	Ω	25.88401	+0.10961810		-0.89806052	
<i>e</i>	0.1125696	<i>i</i>	1.97542	+0.06811745		-0.42078216	
<i>P</i>	4.07	<i>H</i>	16.5	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

930321 809	0.4+ 0.6+	970407 691	0.0	0.0	970409 691	1.2-	0.2-
930322 809	0.5+ 1.3+	970407 691	0.1-	0.0	970416 691	0.2-	0.6-
970314 691	0.7+ 0.0	970407 691	0.0	0.2+	970416 691	0.2+	0.1-
970314 691	0.5+ 0.1-	970409 691	0.5-	0.2-	970416 691	0.0	0.5-
970314 691	0.4+ 0.1-	970409 691	0.7-	0.2-			

1997 GO₆ = 1978 WX₃ = 1991 FM₁ = 1994 XQ₁

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		P		Q	
<i>M</i>	35.86336	(2000.0)					
<i>n</i>	0.18027360	ω	130.70819	-0.99912228	+0.04185616		
<i>a</i>	3.1034729	Ω	51.69075	-0.03903834	-0.91613162		
<i>e</i>	0.1157317	<i>i</i>	0.12048	-0.01518779	-0.39868650		
<i>P</i>	5.47	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc

781129 675	0.4-	0.9+	941128 691	0.4-	0.5+	970402 704	0.8+	0.3+
781130 675	0.1+	1.1+	941128 691	0.3-	0.4+	970402 704	0.3-	0.6+
910317 809	0.6-	0.2+	941201 691	0.4-	0.1+	970406 704	0.3+	1.3+
910317 809	0.2-	0.0	941201 691	0.3-	0.2+	970406 704	0.1+	0.2+
910317 809	0.1+	0.3-	941201 691	0.1-	0.1+	970407 704	0.0	0.0
910318 809	0.1+	0.6-	941203 691	0.3+	0.3+	970407 704	0.1-	1.3+
910318 809	0.0	0.5-	941203 691	0.1+	0.3+	970408 704	0.5+	0.4+
910318 809	0.1-	0.5-	941203 691	0.3+	0.5+	970408 704	0.1+	0.8+

1997 GO₁₃ = 1991 LS₁

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		P		Q	
<i>M</i>	273.69910	(2000.0)					
<i>n</i>	0.31205745	ω	36.04643	+0.75455110	+0.65618805		
<i>a</i>	2.1526810	Ω	282.94157	-0.60407945	+0.68954177		
<i>e</i>	0.1854755	<i>i</i>	0.49144	-0.25639940	+0.30651166		
<i>P</i>	3.16	<i>H</i>	16.5	<i>G</i>	0.15	<i>U</i>	6

Residuals in seconds of arc

910606 809	(3.3+ 0.7+)	970405 704	1.8+	1.7+	970410 360	0.1-	0.1-
910606 809	0.4+	0.5+	970405 704	0.1+	1.2-	970410 360	0.1-
910606 809	0.2-	0.4+	970407 704	0.9+	0.3+	970412 402	0.1-
910608 809	1.3-	0.4+	970407 704	0.5+	0.8+	970412 402	0.1+
910608 809	0.1+	1.0-	970407 360	0.8-	0.2+	970412 360	0.2-
910608 809	1.0+	0.3-	970407 360	0.7-	0.0	970412 402	0.0
970403 704	0.4-	0.1-	970407 360	1.2-	0.5+	970412 360	0.2+
970403 704	0.2-	0.7-	970410 360	0.1-	0.2-	970412 360	0.1+

1997 GY₂₆ = 1994 UB₁₂

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		P		Q	
<i>M</i>	339.02471	(2000.0)					
<i>n</i>	0.17819871	ω	86.27127	-0.70029940	+0.71376152		
<i>a</i>	3.1275170	Ω	139.27001	-0.66156352	-0.64303703		
<i>e</i>	0.1116175	<i>i</i>	0.98274	-0.26816872	-0.27757497		
<i>P</i>	5.53	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

941026 691	0.1-	0.0	970310 691	0.1+	0.1-	970413 691	0.1-
941026 691	0.3-	0.1+	970310 691	0.1-	0.1+	970413 691	0.3-
941026 691	0.2-	0.4+	970407 691	0.2-	0.2-	970416 691	0.3+
941101 691	0.2+	0.4-	970407 691	0.1-	0.0	970416 691	0.5+
941101 691	0.4+	0.3-	970407 691	0.1+	0.0	970416 691	0.2+
970310 691	0.4+	0.2+	970413 691	0.7-	0.0		

1997 GH₂₇ = 1989 ES₁₁ = 1995 UA₅₀

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		P		Q	
<i>M</i>	77.28706	(2000.0)					
<i>n</i>	0.25292870	ω	90.54882	-0.36048032	-0.93257605		
<i>a</i>	2.4763041	Ω	20.61195	+0.83306930	-0.33098227		
<i>e</i>	0.1237622	<i>i</i>	3.07172	+0.41958252	-0.14405782		
<i>P</i>	3.90	<i>H</i>	14.5	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

890303 808	0.1+	0.7+	951022 691	0.1+	0.7-	970413 691	0.8-
890303 808	0.2+	0.1+	970314 691	0.7+	0.3-	970413 691	0.0
951017 691	0.0	0.1+	970314 691	0.5+	0.1-	970413 691	0.1-
951017 691	0.1-	0.2+	970314 691	0.6+	0.3-	970416 691	0.0
951017 691	0.2+	0.0	970409 691	0.5-	0.2-	970416 691	0.3+
951022 691	0.3+	0.6-	970409 691	0.6-	0.2-	970416 691	0.2+
951022 691	0.2+	0.6-	970409 691	1.3-	0.2-		

2825 P-L = 1997 FE₃

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		P		Q	
<i>M</i>	39.20169	(2000.0)					
<i>n</i>	0.17464016	ω	313.50719	-0.92644819	-0.37636246		
<i>a</i>	3.1698592	Ω	204.38659	+0.34988132	-0.85441172		
<i>e</i>	0.1102489	<i>i</i>	0.93148	+0.13884096	-0.35823445		
<i>P</i>	5.64	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	6

Residuals in seconds of arc

600924 675	0.2+	0.1+	970331 704	0.3-	1.1+	970406 704	0.7-
600926 675	0.7-	0.3+	970331 704	0.1+	0.9-	970406 704	0.1+
600928 675	0.5+	0.2-	970403 704	0.0	0.2-	970407 704	0.1+
601017 675	0.1-	0.9-	970403 704	0.0	0.2-	970407 704	0.3-
601022 675	0.6+	0.7+	970405 704	1.0+	0.4+		
601026 675	0.4-	0.2+	970405 704	0.1+	0.2-		

4593 P-L = 1977 DB₁₀

Id. E. Bowell (1994 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		P		Q	
<i>M</i>	223.72728	(2000.0)					
<i>n</i>	0.20579491	ω	211.17544	+0.95155684	-0.30734237		
<i>a</i>	2.8412730	Ω	166.71470	+0.28951985	+0.88580591		
<i>e</i>	0.0803371	<i>i</i>	2.23415	+0.10352702	+0.34769032		
<i>P</i>	4.79	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

600924 675	0.0	0.5-	601022 675	0.0	0.2+	770219 381	0.7+
600926 675	0.0	0.5-	601025 675	0.2-	0.1-	941105 675	0.6-
600927 675	0.3+	0.6+	601026 675	0.3+	0.5+	941105 675	0.6+
600928 675	0.2-	0.3-	770219 381	0.7-	0.4+		

4638 P-L = 1997 GT₅

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams		P		Q	
<i>M</i>	227.14776	(2000.0)					
<i>n</i>	0.23024469	ω	200.09523	+0.92518607	+0.37900364		
<i>a</i>	2.6363899	Ω	137.61609	-0.34408722	+0.85956257		
<i>e</i>	0.0846905	<i>i</i>	1.67228	-0.16010847	+0.34279503		
<i>P</i>	4.28	<i>H</i>	15.5	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

600924	675	0.0	1.3-	970314	691	0.0	0.0	970410	104	0.2-	0.1-
600926	675	0.1-	0.4-	970314	691	0.1-	0.1+	970410	104	0.0	0.2-
600927	675	1.5+	1.0+	970408	104	0.5+	0.4-	970410	104	0.2+	0.1-
600928	675	0.6+	0.5+	970408	104	0.2+	1.1-	970410	104	0.6-	0.0
601017	675	1.8-	1.1+	970408	104	0.1-	0.2-	970414	104	0.7-	1.0+
601022	675	0.1-	1.1-	970408	104	1.1+	1.0-	970414	104	0.7-	1.1+
601025	675	0.3+	0.1-	970409	104	0.6+	0.1-	970414	104	0.3-	1.0+
601026	675	0.2-	0.6-	970409	104	0.3+	0.6-				
970314	691	0.0	0.3+	970409	104	0.4-	0.8-				

4652 P-L = 1992 SV₁₆

Id. F. N. Bowman

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	113.28117		(2000.0)	P	Q		
<i>n</i>	0.12292557	ω	123.44171	-0.39106803	-0.92011849		
<i>a</i>	4.0059719	Ω	349.51515	+0.80111294	-0.32899003		
<i>e</i>	0.1297235	<i>i</i>	6.67755	+0.45308261	-0.21247947		
<i>P</i>	8.02	<i>H</i>	12.5	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

600924	675	0.3+	0.6+	601017	675	0.1+	0.8+	920924	033	0.9-	0.4+
600924	675	0.6+	0.4-	601022	675	0.5-	0.0	920926	033	0.5+	0.2+
600925	675	0.3+	0.0	601024	675	0.7+	0.8-	920927	033	0.1-	0.7-
600926	675	0.5-	0.3-	601026	675	0.1-	0.3+	920928	033	0.3-	0.8-
600928	675	0.9-	0.1-	920924	033	0.9+	0.8+				

4655 P-L = 1996 RZ₃₂

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	276.15094		(2000.0)	P	Q		
<i>n</i>	0.08032712	ω	89.38324	-0.09763846	-0.99466792		
<i>a</i>	5.3197910	Ω	6.50636	+0.75607782	-0.09583004		
<i>e</i>	0.0309139	<i>i</i>	17.03897	+0.64715768	-0.03810954		
<i>P</i>	12.27	<i>H</i>	10.5	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

600924	675	0.5-	0.0	600928	675	0.2+	0.0	601026	675	0.2+	0.6-
600924	675	0.0	0.6-	601017	675	0.3+	0.3+	960915	809	0.1-	0.0
600926	675	0.1+	0.7-	601022	675	0.2-	0.0	960916	809	0.1+	0.0
600927	675	0.1+	1.1+	601025	675	0.2-	0.4+				

6099 P-L

Id. E. Bowell (1988, 1992 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	44.63067		(2000.0)	P	Q		
<i>n</i>	0.24499155	ω	6.05561	+0.99968679	+0.02160156		
<i>a</i>	2.5295036	Ω	352.67085	-0.02502049	+0.87362094		
<i>e</i>	0.1573946	<i>i</i>	5.68501	+0.00054232	+0.48612737		
<i>P</i>	4.02	<i>H</i>	15.5	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

600924	675	0.4+	0.0	601017	675	1.0-	0.4-	880816	675	0.4+	0.4-
600925	675	0.4+	0.5+	601022	675	0.3+	0.3-	920824	675	0.2-	0.5+
600926	675	0.1-	0.4-	601024	675	0.7+	0.1-	920824	675	0.2+	0.2+
600928	675	0.5-	0.3+	601026	675	0.1+	0.7-				
601017	675	0.3-	1.1+	880816	675	0.3-	0.5-				

6533 P-L = 1954 QE₁ = 1989 TU₁₂

Id. E. Bowell, G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	211.25743		(2000.0)	P	Q		
<i>n</i>	0.17091393	ω	150.58525	+0.04386286	+0.99865293		
<i>a</i>	3.2157658	Ω	121.91597	-0.92286062	+0.05112937		
<i>e</i>	0.1364526	<i>i</i>	1.87140	-0.38262817	-0.00883758		
<i>P</i>	5.77	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

540827	675	0.8-	0.3+	600928	675	0.7+	0.4+	891003	809	(2.5+	3.0-)
540827	675	0.6+	0.4+	601017	675	0.1+	0.6-	891003	809	(2.3+	3.8-)
600924	675	0.1+	0.1-	601022	675	0.4-	0.4-	891003	809	1.0+	2.5-
600926	675	0.2+	0.4+	601025	675	0.4-	0.2-	930521	675	0.1+	0.0
600927	675	0.2+	0.8+	601026	675	0.9-	0.1-	930521	675	0.8-	1.8-

6540 P-L = 1991 HV₂ = 1996 RB₃₃

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	273.11417		(2000.0)	P	Q		
<i>n</i>	0.08060070	ω	79.42827	-0.23495240	-0.96976953		
<i>a</i>	5.3077466	Ω	24.46661	+0.81794215	-0.23389222		
<i>e</i>	0.0432405	<i>i</i>	9.15731	+0.52513619	-0.06958077		
<i>P</i>	12.23	<i>H</i>	11.5	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

600924	675	0.7-	0.0	601022	675	0.8+	0.1-	910419	809	0.0	0.5+
600926	675	0.4-	0.6-	601025	675	0.0	0.8+	960915	809	0.2-	0.1+
600927	675	1.2+	0.8-	601026	675	0.4+	0.7+	960917	809	0.1-	0.4+
600928	675	0.1+	0.8-	910419	809	0.7+	0.7-				
601017	675	1.0-	0.1+	910419	809	0.8-	0.1+				

9586 P-L = 1997 EP₂

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	26.23969		(2000.0)	P	Q		
<i>n</i>	0.17528453	ω	30.09383	-0.96133876	-0.26461655		
<i>a</i>	3.1620859	Ω	134.35261	+0.22659020	-0.91739815		
<i>e</i>	0.1167891	<i>i</i>	6.11708	+0.15647576	-0.29725194		
<i>P</i>	5.62	<i>H</i>	13.2	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

601017	675	0.0	0.2+	970304	411	0.3+	0.0	970305	411	0.4+	0.2-
601022	675	0.3-	0.5-	970304	411	0.1+	0.1+	970309	411	1.0+	0.1+
601026	675	0.3+	0.4+	970305	411	0.5-	0.2-	970309	411	1.2-	0.2+

2172 T-1 = 1981 JV₅ = 1997 GY₁₅

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	291.45375		(2000.0)	P	Q		
<i>n</i>	0.30447389	ω	244.83845	+0.52425195	+0.85080740		
<i>a</i>	2.1882789	Ω	56.82629	-0.76505392	+0.48907416		
<i>e</i>	0.1806792	<i>i</i>	2.45615	-0.37396845	+0.19218020		
<i>P</i>	3.24	<i>H</i>	15.5	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

710324	675	1.7-	1.6-	710416	675	0.0	0.6-	970406	704	1.1+	0.6+
710325	675	0.2-	0.1+	810508	675	(7.1-	0.9-)	970406	704	0.6+	1.2+
710325	675	1.2-	0.0	810509	675	0.5-	1.5-	970407	704	0.7+	0.7+
710326	675	0.4-	0.4+	970403	704	0.4+	0.2-	970407	704	1.4+	0.3+
710327	675	0.4+	1.0-	970403	704	0.8+	0.7+	970407	566	1.1-	0.6+

710402 675 1.3+ 1.3- 970405 704 1.0+ 0.5+ 970407 566 1.0- 0.5+
 710416 675 0.2- 0.5- 970405 704 0.3+ 0.2+ 970407 566 1.5- 0.5+

2184 T-1 = 1997 EO

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams
 M 45.89186 (2000.0) P Q
 n 0.26452988 ω 334.87824 -0.78685838 -0.61655242
 a 2.4033641 Ω 166.95188 +0.58435005 -0.75831060
 e 0.0739030 i 6.81144 +0.19846639 -0.21172657
 P 3.73 H 16.0 G 0.15 U 6

Residuals in seconds of arc
 710324 675 1.3- 0.5- 970301 540 0.0 0.4+ 970307 540 0.4+ 0.3-
 710325 675 0.7+ 1.3+ 970301 540 0.6+ 0.2- 970307 540 0.3+ 0.1-
 710325 675 0.9- 0.5+ 970302 540 0.3- 0.4- 970308 540 1.1- 0.1-
 710326 675 0.6- 1.5+ 970302 540 0.2- 0.0 970308 540 0.3- 0.0
 710327 675 0.1+ 1.3- 970302 540 0.6- 0.4+ 970309 540 0.3- 0.3+
 710402 675 2.1+ 1.3- 970302 540 1.1+ 0.4- 970309 540 0.3- 0.2-
 970301 540 0.3+ 0.9+ 970307 540 0.2+ 0.5-

2281 T-1 = 1983 XV₁ = 1995 KM₂

Id. B. G. Marsden (MPC 25436), G. V. Williams
 Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams
 M 6.16175 (2000.0) P Q
 n 0.21192946 ω 235.29689 +0.77757490 -0.62836543
 a 2.7861756 Ω 163.59303 +0.60035104 +0.73097550
 e 0.0758826 i 4.69344 +0.18696499 +0.26614227
 P 4.65 H 14.0 G 0.15 U 2

Residuals in seconds of arc
 710324 675 (2.4+ 2.6-) 710513 675 0.7- 1.8+ 950522 010 1.0- 1.3-
 710325 675 2.3+ 0.4+ 710514 675 1.4- 0.1+ 950522 010 0.3- 1.1-
 710325 675 2.4+ 0.6- 710516 675 1.1- 1.3+ 950523 010 (0.7- 2.6+)
 710326 675 0.1- 1.3- 730930 675 (1.3- 4.6-) 950523 010 (2.3+ 4.0+)
 710327 675 (2.6- 1.2+) 730930 675 (1.2- 4.4-) 950523 010 (0.8- 2.5+)
 710402 675 0.1+ 0.3- 831205 561 1.2- 1.7- 960809 566 0.2+ 0.3-
 710416 675 1.5- 0.1+ 831205 561 1.1+ 0.9- 960809 566 0.4+ 0.4-
 710416 675 0.5- 0.4- 950522 010 0.7+ 0.5- 960809 566 0.2- 0.1+

3051 T-1 = 1997 FP₂

Id. G. V. Williams, E. Bowell (1955 observations)
 Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams
 M 286.25686 (2000.0) P Q
 n 0.19017624 ω 111.89724 +0.51378042 +0.85738413
 a 2.9947819 Ω 189.19926 -0.84044533 +0.49589108
 e 0.2049614 i 10.94972 -0.17228271 +0.13778419
 P 5.18 H 13.5 G 0.15 U 4

Residuals in seconds of arc
 550324 675 0.5+ 1.2- 710327 675 1.6- 0.5+ 970331 704 0.3- 0.4+
 550324 675 0.1- 2.2+ 710402 675 0.9- 0.7- 970331 704 0.6- 0.7+
 710324 675 1.7+ 0.4+ 710416 675 1.6- 0.6- 970403 704 1.2+ 1.4+
 710325 675 0.4- 0.4- 710416 675 0.4- 0.6+ 970403 704 0.4+ 0.7+
 710326 675 0.4- 2.1- 710513 675 1.4+ 0.3-
 710326 675 0.3- 1.7- 710514 675 1.7+ 0.3+

3338 T-1 = 1997 GG₂₁

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams
 M 9.15404 (2000.0) P Q
 n 0.26682980 ω 188.22328 -0.77808330 +0.62768078
 a 2.3895337 Ω 30.69901 -0.57355490 -0.69395643
 e 0.1703093 i 2.75744 -0.25616626 -0.35276241
 P 3.69 H 16.5 G 0.15 U 5

Residuals in seconds of arc
 710325 675 0.1- 0.7+ 710402 675 1.9+ 1.7- 970406 704 0.6- 0.6+
 710326 675 0.6- 0.5+ 710416 675 0.3- 0.5+ 970406 704 0.3+ 0.3+
 710326 675 0.2- 0.7- 710416 675 1.6- 1.8- 970407 704 0.1- 0.7-
 710327 675 0.6- 0.3+ 970402 704 1.3+ 0.3- 970407 704 0.5- 0.3+
 710402 675 1.2+ 1.8+ 970402 704 0.2- 0.2+

4271 T-1 = 1997 GM₂₃

Id. G. V. Williams, E. Bowell (1954 observation)
 Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams
 M 306.23271 (2000.0) P Q
 n 0.26817215 ω 258.95423 +0.46409813 +0.88262788
 a 2.3815531 Ω 38.98063 -0.75925989 +0.43982815
 e 0.1334962 i 6.82044 -0.45622072 +0.16588918
 P 3.68 H 15.0 G 0.15 U 3

Residuals in seconds of arc
 541123 675 0.2- 0.6+ 710416 675 1.5+ 1.8- 970406 704 0.2+ 1.2+
 710324 675 (2.8+ 3.5-) 710416 675 2.0+ 0.2- 970407 704 0.3- 0.3+
 710326 675 0.5- 0.8+ 710513 675 0.1+ 0.2+ 970407 704 0.0 0.2+
 710326 675 0.2+ 0.6- 710514 675 0.8- 0.2- 970408 704 0.2- 0.4+
 710327 675 1.2- 0.5- 710516 675 0.5- 0.3- 970408 704 0.7+ 0.0
 710402 675 1.2- 1.9+ 970406 704 0.1+ 1.0-

2158 T-2 = 1997 GQ₁₀

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams
 M 299.59052 (2000.0) P Q
 n 0.27757527 ω 116.64971 +0.32812542 +0.94461254
 a 2.3274599 Ω 172.49684 -0.88315598 +0.30916447
 e 0.1601265 i 2.80546 -0.33521518 +0.11011117
 P 3.55 H 17.0 G 0.15 U 6

Residuals in seconds of arc
 730919 675 0.9+ 0.5+ 730929 675 1.9+ 1.2+ 731005 675 (4.2- 2.4+)
 730919 675 0.9- 1.1+ 730930 675 0.5- 0.1+ 731005 675 (1.7- 2.6-)
 730920 675 0.7- 0.4- 730930 675 (0.5+ 4.1+) 731005 675 (3.4- 2.0+)
 730924 675 (1.2- 2.8+) 730930 675 0.4- 1.2- 970403 704 0.6- 1.0-
 730924 675 0.6- 0.2- 730930 675 (1.4- 4.9+) 970403 704 0.2- 0.2+
 730925 675 0.9+ 1.8- 731004 675 0.2- 0.5- 970405 704 0.1+ 0.1+
 730925 675 0.8+ 1.5- 731004 675 (2.3- 4.2+) 970405 704 0.9+ 0.1+
 730929 675 1.4- 1.3+ 731004 675 0.9+ 0.4+ 970407 704 0.1+ 0.2+
 730929 675 1.2+ 0.0 731004 675 (3.2- 3.9+) 970407 704 0.3- 0.4+
 730929 675 0.9- 1.2+ 731005 675 1.0- 0.1-

2189 T-2 = 1993 HJ₆

Id. G. V. Williams (MPC 22597)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	293.54122	(2000.0)	P	Q
<i>n</i>	0.23267599	ω 357.35686	+0.05252459	+0.99842355
<i>a</i>	2.6179921	Ω 275.65344	-0.91585045	+0.04026273
<i>e</i>	0.1169723	<i>i</i> 1.13941	-0.39806925	+0.03910664
<i>P</i>	4.24	<i>H</i> 13.5	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

730919 675	0.8-	0.6+	731004 675	1.1+	1.5-	970404 560	1.2+	1.0-
730919 675	1.3-	0.7+	731005 675	2.3+	0.4-	970404 560	1.2+	0.6+
730920 675	1.2-	0.4-	731005 675	1.9+	0.6-	970404 560	0.5-	0.6+
730924 675	(2.9-	0.7+)	930424 809	0.8-	0.0	970405 560	1.0-	0.6-
730925 675	1.5-	0.5-	930424 809	0.6-	0.0	970405 560	0.4+	0.2+
730925 675	0.6-	0.6-	930425 809	0.8-	0.8-	970405 560	0.5-	0.3-
730929 675	0.3-	1.2+	930425 809	0.7-	0.5-	970407 560	0.2+	0.2+
730929 675	(0.6+	2.7+)	930425 809	0.2-	0.4-	970407 560	1.3-	0.2-
730930 675	0.3-	0.2+	930425 809	0.9+	0.4+	970407 560	0.6-	1.4-
730930 675	0.7+	1.5-	930425 809	0.7+	0.1+			
731004 675	1.4+	0.3-	930426 809	0.8+	0.2-			

4041 T-2 = 1997 GG₂₅
Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	196.43846	(2000.0)	P	Q
<i>n</i>	0.23091672	ω 336.58866	+0.99653139	-0.08095598
<i>a</i>	2.6312723	Ω 28.07567	+0.08134884	+0.89887470
<i>e</i>	0.0925352	<i>i</i> 2.34659	+0.01753753	+0.43066275
<i>P</i>	4.27	<i>H</i> 16.0	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

730919 675	1.0+	1.1+	730925 675	0.4+	0.4+	731005 675	1.2-	0.4+
730919 675	(0.5-	2.8+)	730929 675	(2.8+	0.8-)	731005 675	2.0+	0.5+
730919 675	0.4-	0.7+	730929 675	1.3+	2.2-	731005 675	0.7-	1.2+
730919 675	0.0	2.1+	730930 675	1.4-	1.5-	970407 691	0.5-	0.1+
730920 675	0.1+	1.5+	730930 675	2.0+	0.5+	970407 691	0.4-	0.6+
730924 675	0.3+	0.5+	730930 675	1.1-	0.4-	970407 691	0.3-	0.5+
730924 675	1.2-	0.6-	730930 675	0.5+	1.3-	970412 691	0.4+	0.6-
730924 675	1.9-	0.5-	731004 675	0.0	0.6-	970412 691	0.2+	0.7-
730924 675	2.0+	0.5+	731004 675	0.1-	0.3+	970412 691	0.0	0.5-
730925 675	1.3+	1.2-	731004 675	0.3-	0.8-	970416 691	0.2-	0.5-
730925 675	1.7-	0.7-	731004 675	0.4-	0.6+	970416 691	0.2-	0.6-
730925 675	0.0	1.5-	731005 675	0.4+	1.0-	970416 691	0.1-	1.0-

4613 T-2 = 1996 RW₂₈
Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	220.51452	(2000.0)	P	Q
<i>n</i>	0.08413468	ω 340.60964	-0.92285016	-0.38390825
<i>a</i>	5.1580557	Ω 176.34250	+0.38505395	-0.91771951
<i>e</i>	0.0102048	<i>i</i> 29.09217	-0.00900204	+0.10200667
<i>P</i>	11.71	<i>H</i> 11.5	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

730919 675	1.4-	0.1-	730925 675	0.1-	0.1+	731004 675	0.3-	0.1-
730919 675	0.6+	0.0	730929 675	2.4+	1.8-	960911 809	1.0+	0.4-
730920 675	1.7-	0.7+	730929 675	2.4+	0.9-	960912 809	0.5+	0.2-
730924 675	2.1-	1.5+	730930 675	0.9+	0.7+	960919 691	0.6-	0.2+
730924 675	1.2-	0.7+	730930 675	1.1+	0.5-	960919 691	0.5-	0.3+
730925 675	0.5-	0.4-	731004 675	0.1+	0.2+	960919 691	0.5-	0.1+

4008 T-3 = 1953 EC₁ = 1989 LP
Id. H. Kaneda (*MPC* 17221), G. V. Williams
Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	218.71689	(2000.0)	P	Q
<i>n</i>	0.30422114	ω 86.65230	-0.99286874	+0.08238892
<i>a</i>	2.1894908	Ω 98.06099	-0.10945773	-0.91637231
<i>e</i>	0.1392946	<i>i</i> 4.99224	+0.04722988	-0.39175739
<i>P</i>	3.24	<i>H</i> 13.5	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

530310 760	1.4-	0.3+	771012 675	1.9-	1.1-	890605 675	0.5+	0.2-
530310 760	2.2+	0.3+	771016 675	0.7-	1.2+	890612 399	(2.6-	5.1+)
771007 675	1.9+	1.3+	771016 675	0.0	1.3+	890612 399	(3.5-	4.6+)
771011 675	0.6-	1.9-	890603 675	0.3+	0.2-	930921 675	1.3+	1.4+
771011 675	0.2+	1.2-	890603 675	0.6-	0.0	930921 675	0.2+	1.5+
771012 675	0.6-	1.4-	890605 675	1.0-	0.5+			

4343 T-3 = 1980 LH
Id. S. Nakano (*MPC* 12703), K. Hurukawa
Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

<i>M</i>	266.68113	(2000.0)	P	Q
<i>n</i>	0.21114158	ω 15.59428	-0.97323249	+0.22970309
<i>a</i>	2.7931025	Ω 177.64702	-0.22541396	-0.94777471
<i>e</i>	0.2355529	<i>i</i> 10.40722	-0.04480020	-0.22126814
<i>P</i>	4.67	<i>H</i> 13.0	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

771007 675	(3.9+	0.8-)	771022 675	(2.7-	0.5+)	890509 675	0.9-	0.3+
771012 675	0.5+	1.2-	771022 675	0.0	2.7+	911007 691	1.5-	0.0
771012 675	1.1+	1.4-	800613 046	(3.5+	1.9-)	911007 691	1.4-	0.1+
771016 675	0.3-	1.4-	800613 046	2.1-	1.9-	911007 691	1.4-	0.2-
771016 675	1.5+	0.4-	800614 046	1.5+	0.4-	940509 675	1.0+	0.5-
771017 675	1.1+	0.4-	800614 046	1.0-	0.2-	940509 675	0.4+	0.5+
771017 675	1.1+	1.2-	890329 675	0.2+	0.2+	950902 010	1.6-	1.2+
771021 675	0.5-	0.0	890329 675	0.6+	0.4+	950902 010	0.6+	1.2+
771021 675	0.1+	0.4-	890509 675	0.0	0.0	950902 010	0.7+	1.5+

Object	<i>H</i>	Epoch	<i>M</i>	ω	Ω	<i>i</i>	<i>e</i>	<i>a</i>	Obs.	Opp. & Arc	rms	Perts	<i>U</i>	Computer	<i>MPC</i>	Object
1931 TD ₃	13.5	970601	221.02540	269.68350	42.57382	8.67011	0.2826355	2.3248659	27	5 1931-1995	0.50	M-v	2	Williams	26393	1931 TD ₃
1953 TA ₁	14.5	970601	221.06138	148.11216	214.86708	5.09068	0.2293186	2.2897318	21	3 1953-1997	0.93	M-v	4	Williams	22598	1953 TA ₁
1955 UN ₁	13.5	970601	217.44766	328.18086	21.04989	10.84245	0.2625165	2.3520918	28	4 1955-1996	0.55	M-v	2	Williams	27453	1955 UN ₁

1957 JP	12.0	970601	103.78746	212.16146	54.58664	14.09711	0.1395224	2.6350509	30	5	1957-1995	0.63	M-v	1	Williams	28610	1957 JP
1964 VZ ₂	13.0	970601	57.37515	8.02879	71.43688	2.78038	0.2539504	3.0159370	12	3	1964-1997	0.93	M-v	5	Williams	23967	1964 VZ ₂
1964 YJ	11.5	970601	3.89774	59.50817	117.11351	11.39689	0.0346467	3.0076413	16	3	1964-1997	0.58	M-v	3	Williams	26913	1964 YJ
1969 TM ₁	14.0	970601	182.75846	357.93439	40.40608	7.42114	0.1340815	2.3762703	12	4	1954-1993	0.78	M-v	2	Williams	22491	1969 TM ₁
1969 TQ ₁	13.0	970601	336.72754	330.54197	68.69261	2.97923	0.1625064	3.1479686	21	6	1969-1994	0.99	M-v	1	Williams	28610	1969 TQ ₁
1969 TT ₁	13.5	970601	141.67229	355.56239	26.53757	2.37116	0.1829243	2.4093810	22	5	1969-1997	0.82	M-v	2	Williams	25646	1969 TT ₁
1971 UN	13.0	970601	279.94425	294.81634	37.50638	7.69836	0.2379259	2.4519850	35	5	1948-1994	0.63	M-v	2	Williams	27929	1971 UN
1971 UD ₁	15.0	970601	293.78655	277.88674	99.63493	1.57708	0.1293773	2.2129239	20	7	1971-1996	0.81	M-v	2	Williams	26913	1971 UD ₁
1972 RX ₁	14.0	970601	150.16390	221.81146	178.21928	4.00123	0.1804283	2.4389885	32	4	1972-1997	0.82	M-v	2	Williams	27118	1972 RX ₁
1973 AW ₃	12.0	970601	60.24403	83.23432	65.80015	7.71435	0.0688366	2.7795899	14	6	1973-1995	0.91	M-v	2	Williams	28610	1973 AW ₃
1973 SD ₁	10.5	970601	350.11387	32.28860	6.34836	7.10635	0.0932717	5.1414936	28	5	1973-1996	0.76	M-v	1	Williams	28610	1973 SD ₁
1973 SO ₁	11.0	970601	290.57692	272.03326	176.67717	8.46776	0.1286670	5.2289822	38	4	1973-1996	0.85	M-v	1	Williams	18280	1973 SO ₁
1973 SQ ₃	14.0	970601	216.66093	163.26660	189.54001	6.23047	0.1554327	2.3476818	28	3	1973-1997	0.82	M-v	4	Williams	23534	1973 SQ ₃
1973 SG ₅	14.5	970601	263.88838	253.95193	62.05678	2.39722	0.2605171	2.3288222	22	5	1973-1997	0.61	M-v	2	Williams	27725	1973 SG ₅
1974 QM ₂	14.0	970601	319.52647	297.43646	341.83635	5.86308	0.1803683	2.2467712	21	8	1953-1994	0.93	M-v	2	Williams	28881	1974 QM ₂
1974 RY ₁	14.5	970601	124.46756	134.89916	183.68886	2.73310	0.2278023	2.3543535	33	7	1949-1992	1.12	M-v	2	Williams	27725	1974 RY ₁
1975 RA ₂	13.0	970601	279.78011	314.44101	25.67281	23.67421	0.2253412	2.4225553	37	5	1955-1994	0.54	M-v	2	Williams	24910	1975 RA ₂
1975 SK	13.0	970601	301.00251	323.93692	69.73204	2.40794	0.1910072	3.1654737	25	5	1975-1994	0.53	M-v	1	Williams	29131	1975 SK
1975 TQ ₃	13.0	970601	69.69998	303.07646	35.42423	13.16619	0.1819034	2.6180786	34	4	1954-1992	0.66	M-v	3	Williams	27930	1975 TQ ₃
1975 UE	13.5	970601	305.04966	142.60105	181.64616	2.26027	0.2069431	2.4238229	22	5	1975-1994	0.86	M-v	2	Williams	24580	1975 UE
1975 UF	13.0	970601	309.86112	265.28099	115.44946	2.23471	0.1938658	3.1716414	14	3	1975-1992	0.93	M-v	3	Williams	22072	1975 UF
1975 YD	13.0	970601	115.22906	205.05333	218.06726	12.27592	0.2557256	2.5624015	48	5	1975-1997	0.80	M-v	2	Williams	27118	1975 YD
1976 DA ₁	15.0	970601	5.30823	58.88416	134.64846	4.87268	0.1166694	2.2888480	20	3	1976-1997	0.84	M-v	4	Williams	29131	1976 DA ₁
1976 QL ₂	12.5	970601	174.61939	7.59861	35.70969	9.92366	0.0933981	3.1635663	27	5	1976-1997	0.92	M-v	2	Williams	29131	1976 QL ₂
1976 SR ₅	14.0	970601	258.91461	18.08201	34.43575	7.67204	0.1095495	2.3356581	26	5	1969-1996	0.86	M-v	2	Williams	27301	1976 SR ₅
1976 YG ₁	13.0	970601	337.49135	164.83103	54.24748	7.03173	0.0375194	2.4530444	24	9	1958-1997	0.88	M-v	2	Williams	28881	1976 YG ₁
1977 DS ₄	13.5	970601	287.98592	249.67134	41.13224	3.72147	0.1058947	2.8759993	39	6	1954-1997	0.81	M-v	1	Williams	26755	1977 DS ₄
1977 QY	12.0	970601	168.06262	25.79910	342.28373	12.78921	0.1797882	2.6811138	34	4	1977-1997	0.70	M-v	1	Williams	26578	1977 QY
1977 QK ₁	14.0	970601	139.92538	24.83453	345.21819	1.89443	0.2334950	2.3661928	42	5	1977-1997	0.92	M-v	2	Williams	27725	1977 QK ₁
1977 QD ₂	14.0	970601	235.03585	0.32275	350.30620	5.61140	0.1916642	2.2999766	32	4	1977-1997	0.76	M-v	3	Williams	27118	1977 QD ₂
1977 QD ₃	13.5	970601	216.15699	316.53952	7.86146	10.31174	0.2402127	2.6527940	16	5	1977-1996	0.87	M-v	2	Williams	28313	1977 QD ₃
1977 QY ₃	13.0	970601	328.93784	200.99472	96.30644	6.37830	0.1807533	2.2575788	22	5	1963-1996	0.86	M-v	2	Williams	26913	1977 QY ₃
1977 UM ₄	13.5	970601	157.18984	314.46795	20.08656	2.57180	0.2215643	2.3817979	22	4	1977-1997	0.81	M-v	2	Williams	28610	1977 UM ₄
1978 PE	14.5	970601	120.33619	213.95355	133.41756	5.23428	0.2304184	2.2995377	18	3	1978-1995	0.53	M-v	2	Williams	25438	1978 PE
1978 QE	11.5	970601	177.76809	64.81641	283.69437	14.98250	0.1124860	3.0355457	17	5	1975-1995	0.82	M-v	1	Williams	26557	1978 QE
1978 QA ₂	15.0	970601	135.80751	154.74675	188.18378	3.67227	0.2211117	2.3003354	26	5	1978-1995	1.06	M-v	3	Williams	25338	1978 QA ₂
1978 RR ₁	15.0	970601	200.72608	160.97840	149.53333	3.38921	0.1737064	2.2721682	15	4	1978-1997	0.62	M-v	2	Williams	29315	1978 RR ₁
1978 RN ₅	13.5	970601	58.30404	14.34035	356.39988	11.16068	0.3321165	2.7220590	29	4	1960-1997	0.81	M-v	2	Williams	29132	1978 RN ₅
1978 RD ₁₀	13.5	970601	220.27414	222.48633	168.64209	2.07864	0.1120584	2.9321623	41	6	1971-1996	0.84	M-v	2	Williams	28882	1978 RD ₁₀
1978 SE ₅	13.5	970601	231.11620	145.08679	204.38120	8.97633	0.0599227	2.5551020	19	5	1978-1994	1.03	M-v	4	Williams	24238	1978 SE ₅
1978 SP ₅	13.0	970601	13.34788	195.46475	186.51965	3.94209	0.1087751	2.7736505	14	4	1978-1996	0.84	M-v	3	Williams	29132	1978 SP ₅
1978 ST ₇	13.5	970601	52.14493	137.02923	322.18069	5.65511	0.1268960	2.3036693	20	4	1978-1997	0.81	M-v	3	Williams	29315	1978 ST ₇
1978 SV ₇	12.5	970601	318.22105	33.56712	343.30734	6.77390	0.0743317	2.8486209	25	5	1954-1992	0.58	M-v	1	Williams	25438	1978 SV ₇
1978 SX ₇	14.5	970601	116.61975	82.13199	342.05292	4.56252	0.2892550	2.6189966	23	3	1978-1997	0.60	M-v	3	Williams	25953	1978 SX ₇
1978 UG	14.0	970601	341.19344	316.80544	46.20527	3.27948	0.2022576	2.4352935	14	4	1978-1996	0.68	M-v	3	Williams	27930	1978 UG
1978 UV	12.5	970601	85.89363	8.08996	46.41664	6.27448	0.2663441	2.6654362	28	6	1978-1997	0.97	M-v	2	Williams	27930	1978 UV
1978 VP ₁	13.5	970601	133.89491	172.51900	244.38703	5.63979	0.1352539	3.1099994	9	2	1978-1989	0.63	M-v	6	Williams	19856	1978 VP ₁
1978 VN ₂	13.5	970601	178.79376	358.73090	1.92375	1.34221	0.1906673	3.0973477	24	2	1978-1997	0.51	M-v	5	Williams	29296	1978 VN ₂
1978 VX ₄	15.5	970601	147.67271	269.49357	66.07511	4.27131	0.1467470	2.3313926	13	2	1978-1992	0.58	M-v	5	Williams	25728	1978 VX ₄
1978 VD ₇	14.5	970601	332.77025	333.78681	74.57159	3.12492	0.0718661	2.8360914	20	5	1949-1996	0.55	M-v	1	Williams	27930	1978 VD ₇
1978 VZ ₇	14.0	970601	221.40308	305.05216	23.64269	1.06301	0.2094770	3.0895161	28	5	1978-1996	0.64	M-v	1	Williams	28882	1978 VZ ₇
1978 VK ₈	14.0	970601	347.41718	320.28654	86.01847	2.21655	0.1575365	2.8154763	24	5	1978-1994	0.77	M-v	2	Williams	28610	1978 VK ₈

1978 VO ₈	13.0	970601	109.85345	36.89631	110.55891	2.51558	0.1427411	3.0532173	67	5	1978-1996	0.56	M-v	2	Williams	27930	1978 VO ₈
1978 VN ₉	14.5	970601	164.93643	261.06030	91.61618	3.61553	0.0864287	2.6590551	20	4	1978-1997	0.50	M-v	2	Williams	26755	1978 VN ₉
1978 VE ₁₀	14.0	970601	188.14477	266.96295	59.63101	1.82223	0.2117414	3.1560875	14	4	1978-1996	0.77	M-v	2	Williams	26578	1978 VE ₁₀
1978 VE ₁₁	15.0	970601	149.11752	264.53559	245.79269	6.13973	0.0568206	2.2148501	17	4	1951-1996	0.40	M-v	1	Williams	26913	1978 VE ₁₁
1979 FD ₃	14.0	970601	126.18053	99.23444	126.87047	2.94951	0.1250015	2.2360465	36	7	1953-1994	0.72	M-v	2	Williams	28882	1979 FD ₃
1979 KD	13.0	970601	121.08824	101.56789	150.18914	7.84351	0.1539734	2.5914493	26	5	1979-1995	0.70	M-v	2	Williams	25225	1979 KD
1979 MR ₂	13.5	970601	175.42667	177.02198	215.89566	1.26355	0.0881992	2.8420233	20	4	1979-1997	0.71	M-v	1	Williams	26578	1979 MR ₂
1979 QV ₁	14.5	970601	189.24823	243.78423	315.02822	6.41563	0.1235932	2.2695880	19	3	1979-1996	0.59	M-v	3	Williams	27708	1979 QV ₁
1979 QR ₂	14.0	970601	121.77636	88.95647	333.82194	1.06114	0.0918744	2.9129567	33	4	1954-1997	0.70	M-v	3	Williams	29296	1979 QR ₂
1979 QW ₃	14.5	970601	339.42865	61.95481	162.36182	0.91280	0.1540943	2.4277112	22	5	1979-1997	0.92	M-v	2	Williams	20328	1979 QW ₃
1979 SG ₂	15.5	970601	138.89438	58.83904	301.05804	5.52638	0.2107862	2.2121320	33	3	1979-1997	0.89	M-v	3	Williams	29132	1979 SG ₂
1979 XJ	14.0	970601	182.16874	246.38176	107.08229	6.06819	0.2385521	2.1922830	53	3	1979-1992	0.63	M-v	3	Williams	29132	1979 XJ
1980 FU	14.5	970601	304.70873	241.17562	344.18697	6.83963	0.1137098	2.2920309	25	7	1966-1997	0.87	M-v	2	Williams	24238	1980 FU
1980 FS ₃	13.5	970601	267.79151	359.02380	353.34039	9.21080	0.0912136	3.0464892	26	4	1980-1996	0.49	M-v	2	Williams	26899	1980 FS ₃
1980 GB	14.0	970601	6.11485	97.58080	103.46576	8.32709	0.1031496	2.2743188	16	4	1980-1991	0.92	M-v	2	Williams	25423	1980 GB
1980 PJ ₁	14.5	970601	79.59624	130.08353	278.91971	4.54725	0.2411693	2.1433221	11	2	1980-1997	0.31	M-v	5	Williams	28838	1980 PJ ₁
1980 PV ₁	12.5	970601	304.63676	310.66916	287.28707	6.75965	0.1815268	2.7884244	16	8	1979-1997	0.96	M-v	2	Williams	28314	1980 PV ₁
1980 PB ₂	12.0	970601	18.17530	114.14355	190.19952	10.50787	0.1023393	3.1857894	38	6	1955-1996	0.74	M-v	1	Williams	29132	1980 PB ₂
1980 RB ₈	14.0	970601	327.45367	17.13198	241.22200	5.27266	0.0738556	2.3483209	23	6	1951-1994	0.65	M-v	2	Williams	28610	1980 RB ₈
1980 UL	13.0	970601	190.69129	208.82692	151.12406	23.05320	0.2070063	2.3840724	25	4	1980-1997	0.50	M-v	2	Williams	23535	1980 UL
1980 UL ₁	12.5	970601	269.15791	95.02528	327.45503	8.25070	0.1667025	2.7565224	21	6	1962-1997	0.65	M-v	1	Williams	22696	1980 UL ₁
1980 VG	12.5	970601	222.67599	37.58411	230.21540	8.20425	0.2342529	2.7817051	20	6	1975-1996	0.90	M-v	2	Williams	28838	1980 VG
1981 DT	13.5	970601	14.86293	186.37859	329.35748	14.85824	0.0631860	3.0986035	32	2	1981-1997	0.85	M-v	4	Williams	29315	1981 DT
1981 DG ₂	13.5	970601	242.96828	107.58341	220.97135	10.09126	0.1720668	3.0484518	20	3	1981-1997	0.90	M-v	4	Williams	28838	1981 DG ₂
1981 EQ	13.0	970601	263.81942	226.53138	12.42670	10.77775	0.1507895	3.1892900	26	4	1954-1994	0.67	M-v	2	Williams	24116	1981 EQ
1981 EF ₂	13.5	970601	6.91905	326.96111	300.51439	6.50019	0.0305263	2.4282945	41	5	1981-1994	0.71	M-v	2	Williams	28882	1981 EF ₂
1981 EM ₃	15.0	970601	20.71708	170.99343	252.20863	5.83161	0.0714802	2.2629204	18	4	1981-1996	0.85	M-v	2	Williams	28882	1981 EM ₃
1981 EM ₈	13.5	970601	178.61261	92.23670	254.65101	3.86380	0.1655097	3.1064146	17	3	1978-1997	0.99	M-v	5	Williams	22429	1981 EM ₈
1981 EO ₉	12.5	970601	139.84050	18.54917	324.33725	10.62297	0.1560929	3.2072867	36	7	1949-1997	0.84	M-v	2	Williams	27930	1981 EO ₉
1981 ED ₁₂	14.5	970601	28.62579	337.77511	201.31494	11.40934	0.0805195	2.5082854	31	4	1981-1997	1.00	M-v	4	Williams	23511	1981 ED ₁₂
1981 EZ ₁₈	13.5	970601	86.33618	49.99265	284.11384	1.62954	0.0455801	2.6889853	41	8	1955-1996	0.84	M-v	2	Williams	27930	1981 EZ ₁₈
1981 EB ₂₁	14.5	970601	47.41671	164.53283	298.41581	2.22265	0.1679700	3.0969421	30	4	1979-1997	0.75	M-v	2	Williams	21967	1981 EB ₂₁
1981 EL ₂₁	13.5	970601	61.79672	130.16826	211.22967	2.10372	0.0940969	2.7160900	28	6	1978-1994	0.89	M-v	2	Williams	25078	1981 EL ₂₁
1981 EZ ₂₂	15.0	970601	212.29003	325.49249	355.67958	2.45764	0.1880573	2.2055312	18	5	1972-1997	1.10	M-v	2	Williams	25734	1981 EZ ₂₂
1981 ER ₂₅	15.0	970601	86.68085	235.54738	175.82368	4.36322	0.1297381	2.5764116	22	3	1981-1993	0.81	M-v	3	Williams	21932	1981 ER ₂₅
1981 EC ₂₇	14.5	970601	18.14394	253.43540	129.01873	1.44393	0.0899681	2.7140856	28	4	1981-1996	0.87	M-v	2	Williams	27931	1981 EC ₂₇
1981 ER ₂₇	15.0	970601	340.66010	33.37202	1.74532	7.29898	0.1091987	2.3275124	16	4	1979-1993	0.78	M-v	3	Williams	22271	1981 ER ₂₇
1981 EZ ₂₇	14.5	970601	344.63213	239.28389	59.58353	1.18582	0.1189605	2.4410477	40	6	1978-1996	0.90	M-v	2	Williams	26920	1981 EZ ₂₇
1981 EQ ₂₈	13.5	970601	303.25004	257.90400	157.54477	3.38758	0.1976329	2.7552536	29	4	1981-1994	0.83	M-v	1	Williams	28882	1981 EQ ₂₈
1981 EW ₃₁	13.5	970601	136.99250	212.54122	169.53777	9.92747	0.1134503	3.1134892	33	3	1981-1997	0.91	M-v	4	Williams	28882	1981 EW ₃₁
1981 EK ₃₅	14.0	970601	221.61406	79.32842	281.31443	0.81737	0.1002501	2.9922558	25	5	1978-1996	0.95	M-v	1	Williams	27454	1981 EK ₃₅
1981 EP ₃₈	15.0	970601	196.27697	169.81788	193.42151	10.46827	0.0712194	3.0449158	18	4	1951-1992	0.97	M-v	2	Williams	21967	1981 EP ₃₈
1981 EX ₃₈	14.0	970601	307.21124	31.52975	272.79133	7.23685	0.1871046	2.4772362	13	5	1954-1994	0.95	M-v	2	Williams	24759	1981 EX ₃₈
1981 EB ₄₃	16.0	970601	312.37244	242.30689	9.21765	1.98526	0.0512094	2.5211160	16	3	1981-1997	0.67	M-v	5	Williams	29297	1981 EB ₄₃
1981 ER ₄₇	14.0	970601	176.07648	344.02204	36.18893	2.48131	0.1752676	2.5145051	29	5	1951-1997	0.80	M-v	4	Williams	29132	1981 ER ₄₇
1981 GO	14.0	970601	214.32025	355.36654	161.18739	3.34969	0.0624745	2.3407340	54	8	1954-1995	0.82	M-v	1	Williams	28611	1981 GO
1981 GO ₁	15.0	970601	143.14650	163.28510	12.25830	2.57032	0.1445637	2.3868725	39	5	1955-1996	0.59	M-v	2	Williams	27324	1981 GO ₁
1981 JB ₂	11.5	970601	287.68323	203.13197	44.36894	13.00487	0.0373097	3.1570291	22	6	1981-1997	0.72	M-v	1	Williams	28882	1981 JB ₂
1981 JE ₃	14.0	970601	236.92158	30.92736	202.33863	1.41487	0.1457973	2.6745222	18	3	1972-1989	0.72	M-v	4	Williams	21968	1981 JE ₃
1981 QQ ₂	15.0	970601	187.11583	199.55758	140.04330	5.53359	0.1080991	2.2948973	78	4	1981-1997	0.96	M-v	2	Williams	29316	1981 QQ ₂
1981 RF ₂	11.5	970601	304.70901	32.20330	255.23493	14.26548	0.1409413	3.2201729	10	4	1981-1997	0.44	M-v	2	Williams	28314	1981 RF ₂
1981 SL	15.0	970601	129.13950	140.28846	196.18379	6.93662	0.2567562	2.3658416	26	4	1981-1996	0.61	M-v	1	Williams	28611	1981 SL

1981 UT ₇	12.5	970601	339.70305	206.95617	137.21653	1.73877	0.2033471	3.1360566	22	5	1953-1996	0.93	M-v	1	Williams	29132	1981 UT ₇
1981 UM ₁₁	14.5	970601	145.14313	186.18751	184.99485	2.76414	0.1536339	2.3409348	26	4	1981-1997	0.84	M-v	3	Williams	29132	1981 UM ₁₁
1981 US ₂₂	14.5	970601	195.58134	288.45096	76.42341	6.53924	0.1536055	2.3002886	19	4	1981-1997	0.36	M-v	3	Williams	26756	1981 US ₂₂
1981 UU ₂₉	16.0	970601	245.31999	109.57352	244.64375	1.29282	0.1929441	2.2524321	13	2	1981-1991	0.66	M-v	4	Williams	24100	1981 UU ₂₉
1981 VF	13.5	970601	125.72954	320.62808	32.29276	4.87468	0.2486617	2.3703997	23	5	1959-1997	1.05	M-v	3	Williams	23990	1981 VF
1981 WH	14.0	970601	87.93074	273.76745	136.33699	4.03227	0.2812731	2.3723983	32	4	1953-1997	0.72	M-v	2	Williams	29316	1981 WH
1981 WO	12.5	970601	332.41109	48.24429	24.31012	11.05672	0.0893449	2.9968782	24	8	1950-1994	0.90	M-v	2	Williams	25536	1981 WO
1982 DP ₁	14.5	970601	202.77411	61.62350	43.91803	6.01306	0.1369938	2.2777980	27	5	1982-1996	0.86	M-v	2	Williams	28611	1982 DP ₁
1982 DW ₃	14.0	970601	218.25864	317.31452	129.95384	3.76635	0.1129578	2.2771252	22	4	1953-1996	0.68	M-v	2	Williams	27726	1982 DW ₃
1982 KK ₁	14.0	970601	82.86223	204.65803	96.67517	4.97438	0.0982182	2.2736165	17	4	1982-1996	0.69	M-v	2	Williams	28084	1982 KK ₁
1982 RK	13.5	970601	132.77617	290.27962	108.39364	4.86439	0.1408327	2.2122554	34	4	1982-1997	0.79	M-v	3	Williams	23682	1982 RK
1982 RR	13.5	970601	189.64822	186.65231	174.10770	14.26406	0.3011678	2.5872175	19	3	1982-1997	1.00	M-v	3	Williams	23970	1982 RR
1982 SA ₄	13.5	970601	132.13389	300.13713	33.99296	4.95916	0.1922596	2.2714363	33	7	1941-1996	0.97	M-v	2	Williams	28611	1982 SA ₄
1982 SM ₆	13.5	970601	340.32955	15.72245	6.39980	6.93679	0.1285857	2.3898076	24	4	1971-1993	1.04	M-v	3	Williams	28611	1982 SM ₆
1982 SP ₆	12.5	970601	273.59137	36.54595	0.46966	10.27584	0.1156385	3.0131911	24	5	1956-1995	0.73	M-v	2	Williams	25327	1982 SP ₆
1982 UE ₂	15.0	970601	192.72187	324.45690	39.61410	4.34397	0.2841344	2.1960891	31	4	1971-1997	0.83	M-v	3	Marsden	26578	1982 UE ₂
1982 UT ₅	14.0	970601	113.70473	202.79774	224.26194	3.38302	0.0906881	2.2252527	30	7	1972-1997	0.86	M-v	2	Williams	25972	1982 UT ₅
1982 UD ₆	14.5	970601	119.96193	84.18083	309.41346	3.19407	0.1480996	2.2517119	13	3	1982-1997	1.12	M-v	4	Williams	28839	1982 UD ₆
1982 UR ₆	14.0	970601	355.88291	313.40276	46.82206	3.05632	0.2216200	2.4049666	21	8	1978-1996	0.97	M-v	2	Williams	28612	1982 UR ₆
1982 UY ₆	13.5	970601	199.37279	297.09424	33.88272	6.61527	0.2508645	2.6335560	15	6	1969-1995	0.80	M-v	2	Williams	27931	1982 UY ₆
1982 UD ₇	13.5	970601	243.83688	139.14508	204.20789	6.95307	0.2126564	2.5660332	38	7	1953-1997	0.85	M-v	2	Williams	23990	1982 UD ₇
1982 UE ₇	13.0	970601	262.02861	222.32142	173.13339	1.31798	0.1865668	3.0881901	33	6	1982-1996	0.77	M-v	2	Williams	29132	1982 UE ₇
1982 UJ ₇	12.5	970601	226.70750	327.76064	111.62808	2.55122	0.1473259	3.1050844	30	5	1957-1996	0.89	M-v	1	Williams	27454	1982 UJ ₇
1982 UQ ₁₀	14.0	970601	75.40038	60.17726	24.98211	3.34871	0.2782814	2.7038057	20	5	1982-1997	0.82	M-v	2	Williams	27931	1982 UQ ₁₀
1982 VF	13.0	970601	144.76049	309.05026	12.20158	8.65444	0.1059809	2.7399829	30	3	1982-1997	0.77	M-v	3	Williams	28612	1982 VF
1982 VL	13.5	970601	38.80866	65.94482	49.49139	9.02633	0.1054523	2.2698023	31	4	1977-1997	0.54	M-v	2	Williams	29094	1982 VL
1982 VY ₂	13.0	970601	263.37048	353.93508	123.22343	3.01653	0.0518170	2.9294659	24	6	1982-1994	0.68	M-v	1	Williams	25647	1982 VY ₂
1982 VO ₃	13.5	970601	237.13778	270.05421	93.06580	2.59571	0.1974547	3.1783398	37	5	1982-1997	0.65	M-v	1	Williams	27931	1982 VO ₃
1982 XQ ₁	12.5	970601	30.71208	68.08432	149.58285	1.72938	0.1037193	3.2040600	36	7	1979-1996	0.71	M-v	1	Williams	26923	1982 XQ ₁
1983 RP ₂	14.0	970601	340.14564	222.82288	150.66455	4.16289	0.1708154	2.2718070	23	4	1983-1996	0.89	M-v	2	Williams	22076	1983 RP ₂
1983 RR ₂	13.0	970601	305.93114	290.25651	9.93367	7.21241	0.1156767	2.3690958	20	8	1954-1997	0.66	M-v	1	Williams	28612	1983 RR ₂
1983 RB ₄	14.5	970601	220.56817	307.82710	49.73311	2.97917	0.2194064	2.4258921	19	5	1968-1997	0.80	M-v	2	Williams	26395	1983 RB ₄
1983 SF	12.0	970601	214.08558	50.11945	292.36409	10.40332	0.1497455	3.0474127	24	6	1962-1997	0.68	M-v	1	Marsden	26738	1983 SF
1983 TE ₁	13.5	970601	179.15789	174.36677	210.21530	5.84503	0.1520815	2.4731106	53	7	1979-1997	0.75	M-v	2	Williams	28315	1983 TE ₁
1983 WG	12.5	970601	288.03189	29.23229	77.06290	11.29248	0.2180259	2.8031792	26	5	1958-1994	0.86	M-v	2	Williams	28612	1983 WG
1983 XC	14.5	970601	344.65508	309.01866	84.44130	7.63138	0.1714837	2.2913398	22	3	1983-1993	0.99	M-v	3	Williams	28294	1983 XC
1983 XN ₁	12.5	970601	238.05699	109.28636	313.79409	8.55820	0.0731765	3.0034977	24	3	1954-1992	0.77	M-v	4	Williams	27726	1983 XN ₁
1984 BC	16.0	970601	9.74561	43.79451	129.49095	21.38614	0.5346353	3.4913571	60	2	1984-1997	0.63	M-v	2	Williams	29316	1984 BC
1984 BS	13.5	970601	109.11783	310.69073	110.44691	6.38424	0.1067954	2.1767014	20	4	1984-1997	0.62	M-v	3	Williams	29316	1984 BS
1984 CM	12.5	970601	105.28020	61.76283	26.65614	9.85845	0.0824706	2.6006037	14	5	1984-1997	0.82	M-v	2	Williams	28883	1984 CM
1984 CP	14.0	970601	132.63975	79.13974	125.48509	7.45145	0.1046262	2.4368369	38	5	1950-1995	0.66	M-v	2	Williams	28883	1984 CP
1984 HJ ₁	14.0	970601	271.92511	177.64092	81.67523	2.99152	0.1425891	2.2644975	27	4	1984-1997	0.63	M-v	2	Williams	29316	1984 HJ ₁
1984 HM ₁	14.0	970601	306.67312	159.77693	24.97951	2.52903	0.1111644	2.2804796	19	5	1984-1995	0.57	M-v	2	Williams	28315	1984 HM ₁
1984 MR	13.5	970601	209.29383	184.19813	147.96676	7.69069	0.1508332	2.2997044	22	6	1981-1997	0.74	M-v	1	Williams	29316	1984 MR
1984 SJ ₇	14.0	970601	278.50407	68.23176	300.12853	7.62521	0.1243559	2.2420773	31	4	1984-1996	0.90	M-v	3	Williams	27119	1984 SJ ₇
1984 UX	13.5	970601	48.82610	22.18066	10.32542	6.84066	0.3151544	2.5379137	52	4	1984-1997	0.77	M-v	2	Williams	29133	1984 UX
1984 YN ₁	14.0	970601	122.52503	359.10275	26.36435	3.11518	0.1889286	2.4572518	19	5	1980-1997	0.83	M-v	2	Williams	25973	1984 YN ₁
1985 DC ₁	13.0	970601	38.02658	21.11156	156.15867	0.64804	0.1396371	3.2099844	69	7	1949-1997	0.75	M-v	1	Williams	28612	1985 DC ₁
1985 JM	13.0	970601	270.01418	120.02685	212.03971	12.08369	0.3030484	2.5680836	27	5	1956-1997	0.88	M-v	2	Williams	28883	1985 JM
1985 PO	14.0	970601	312.96325	201.37191	145.55714	3.41551	0.1438815	2.5429810	38	7	1949-1996	1.06	M-v	3	Williams	27119	1985 PO
1985 PX	14.5	970601	257.42109	143.22757	147.88234	5.21490	0.1785216	2.1909645	21	5	1953-1997	0.84	M-v	2	Williams	29316	1985 PX
1985 PA ₁	13.0	970601	266.17040	126.60750	166.56856	11.29869	0.2731908	2.6900086	20	4	1985-1997	0.54	M-v	2	Williams	28612	1985 PA ₁

1985 QP	15.0	970601	222.66816	0.73897	357.86045	3.14744	0.1771647	2.1857328	30	3	1971-1997	1.07	M-v	4	Williams	19295	1985 QP
1985 QL ₄	12.0	970601	80.73234	153.73467	116.77493	6.80879	0.1270976	3.1952939	18	4	1951-1991	0.79	M-v	1	Williams	28612	1985 QL ₄
1985 RD	13.0	970601	107.14683	316.18650	0.00882	1.39058	0.1791031	3.0372088	26	7	1949-1994	0.79	M-v	1	Williams	25438	1985 RD
1985 RG	14.5	970601	22.52123	10.34513	10.89636	0.99690	0.2093559	2.4180478	30	3	1985-1996	0.89	M-v	3	Williams	27566	1985 RG
1985 RV ₂	15.5	970601	94.43237	210.11126	141.60150	5.89685	0.2415895	2.3369882	37	3	1985-1996	0.68	M-v	4	Williams	29316	1985 RV ₂
1985 SC ₃	15.0	970601	231.27676	130.38979	221.13417	6.40464	0.1981763	2.1877826	11	3	1985-1997	0.66	M-v	4	Williams	19018	1985 SC ₃
1985 TN	14.5	970601	124.68614	4.89175	25.87229	4.98722	0.1605592	2.2850065	20	4	1985-1997	0.86	M-v	3	Williams	29316	1985 TN
1985 TY ₁	13.0	970601	263.47002	115.67781	248.84243	8.00145	0.0883296	2.6438904	15	4	1981-1993	0.82	M-v	3	Williams	22493	1985 TY ₁
1985 TB ₃	14.5	970601	215.68516	188.36557	176.63720	3.87064	0.1503524	2.1965033	17	4	1972-1997	0.66	M-v	2	Williams	17436	1985 TB ₃
1985 UC	13.5	970601	341.74803	294.73197	11.38117	16.60824	0.2348506	2.5776370	26	4	1985-1996	0.79	M-v	3	Williams	28883	1985 UC
1985 US	13.5	970601	183.38929	293.85406	125.19551	4.14422	0.0817644	2.7192752	19	3	1985-1996	0.75	M-v	4	Williams	27119	1985 US
1985 UG ₂	14.0	970601	191.19863	252.51333	150.01614	1.91728	0.1173780	2.1978280	22	5	1954-1993	0.71	M-v	2	Williams	28883	1985 UG ₂
1985 VE	13.5	970601	6.58947	340.96630	164.63600	4.83239	0.1022913	2.3263123	18	6	1985-1997	0.91	M-v	2	Williams	23536	1985 VE
1985 VG	13.5	970601	99.21858	285.99673	94.33330	4.00410	0.0563353	2.3512034	31	6	1961-1996	0.86	M-v	2	Williams	28883	1985 VG
1985 VK	12.5	970601	174.73475	312.28236	89.27527	7.11440	0.1255620	2.7955167	15	5	1952-1996	0.80	M-v	2	Williams	28295	1985 VK
1985 VF ₁	15.0	970601	48.94987	151.61349	272.21936	1.21950	0.2143638	2.3592837	34	4	1974-1997	0.85	M-v	2	Williams	28883	1985 VF ₁
1986 CB	13.5	970601	98.40045	289.82754	131.91893	22.47614	0.3518975	2.3451695	27	5	1986-1997	1.02	M-v	2	Williams	23683	1986 CB
1986 CS ₁	15.0	970601	26.31080	285.32447	169.99482	3.07680	0.1429204	2.4337122	52	4	1986-1992	0.63	M-v	2	Williams	22430	1986 CS ₁
1986 EP ₅	12.0	970601	273.80585	115.12748	165.10347	2.13893	0.1483658	3.1944526	25	5	1982-1997	0.85	M-v	2	Williams	24735	1986 EP ₅
1986 PW ₄	12.5	970601	10.74883	116.02674	191.25645	1.15581	0.1697164	3.0982008	32	8	1952-1996	0.76	M-v	1	Williams	27932	1986 PW ₄
1986 QQ	13.5	970601	310.58059	85.45405	359.07373	4.32666	0.1483790	2.2801127	91	9	1950-1996	0.67	M-v	1	Williams	27932	1986 QQ
1986 QM ₁	15.5	970601	46.65981	232.06249	79.45016	2.08338	0.2226452	2.2981690	35	4	1986-1996	0.56	M-v	2	Williams	27932	1986 QM ₁
1986 QZ ₂	13.0	970601	284.83403	247.29905	11.12658	9.66500	0.1629757	2.5718722	41	8	1953-1997	0.55	M-v	1	Williams	28883	1986 QZ ₂
1986 QS ₃	13.0	970601	69.78064	148.51678	141.05708	11.25347	0.0692637	3.0067349	47	5	1986-1994	0.59	M-v	1	Williams	23683	1986 QS ₃
1986 RN ₅	14.5	970601	34.11578	343.26209	359.53300	6.49238	0.2243012	2.2865970	43	3	1955-1993	0.89	M-v	3	Williams	28612	1986 RN ₅
1986 SC ₂	13.0	970601	322.90769	57.34333	231.09008	11.32580	0.1787791	2.4573203	15	5	1982-1997	0.58	M-v	2	Williams	24407	1986 SC ₂
1986 TC	14.5	970601	20.24793	357.95547	349.82739	5.64547	0.1525518	2.3196807	33	4	1954-1996	0.87	M-v	2	Williams	27454	1986 TC
1986 TG ₃	13.0	970601	51.41849	225.85947	185.75877	1.86304	0.0698373	2.8379382	17	4	1986-1996	0.74	M-v	3	Williams	29316	1986 TG ₃
1986 TR ₃	13.5	970601	31.45792	292.68793	8.70225	0.68812	0.1719451	3.1320256	34	7	1981-1996	0.87	M-v	2	Williams	27454	1986 TR ₃
1986 TT ₁₁	13.5	970601	246.47090	329.24521	4.85085	13.93562	0.1899806	2.5664728	9	3	1986-1994	0.88	M-v	3	Williams	24581	1986 TT ₁₁
1986 VX ₅	13.0	970601	128.65172	266.92407	111.90109	5.51760	0.1381656	2.7491663	16	3	1986-1997	0.45	M-v	4	Williams	28840	1986 VX ₅
1986 WM ₅	11.5	970601	28.26700	0.16403	293.93156	12.06435	0.1838454	3.0889621	26	6	1953-1996	0.73	M-v	1	Williams	27932	1986 WM ₅
1987 DM ₆	14.5	970601	25.70088	286.18912	192.33011	3.85077	0.1521135	2.2760823	55	6	1987-1997	0.70	M-v	1	Williams	28883	1987 DM ₆
1987 OA	19.5	970601	93.16054	235.44163	180.33203	9.01544	0.5952990	1.4965216	60	3	1987-1997	0.70	M-v	2	Marsden	29316	1987 OA
1987 QW ₂	13.0	970601	272.51278	259.64394	41.54018	1.34922	0.1491813	3.1900684	22	7	1952-1994	0.77	M-v	1	Williams	24759	1987 QW ₂
1987 QF ₃	14.0	970601	227.04975	169.39130	135.31438	5.41591	0.0996487	2.4440449	39	3	1987-1997	0.81	M-v	4	Williams	29316	1987 QF ₃
1987 RB ₁	14.0	970601	274.32868	121.68940	193.65779	1.33708	0.1946656	3.1720338	31	4	1987-1997	0.95	M-v	1	Williams	27554	1987 RB ₁
1987 SC ₁	14.0	970601	94.07727	262.00690	139.70479	5.35325	0.2544597	2.5888852	30	3	1987-1997	0.73	M-v	2	Williams	29133	1987 SC ₁
1987 SJ ₁	15.0	970601	246.90427	150.21455	202.95526	1.56133	0.2237530	2.3584784	30	5	1951-1997	0.79	M-v	3	Williams	22493	1987 SJ ₁
1987 SE ₃	13.5	970601	85.53262	341.36433	93.22297	4.65644	0.1200374	2.5348473	23	4	1975-1997	0.60	M-v	3	Williams	29095	1987 SE ₃
1987 SG ₃	14.5	970601	282.78641	121.03145	187.43824	22.25349	0.3185149	2.3395291	28	4	1951-1994	0.71	M-v	1	Williams	28883	1987 SG ₃
1987 SH ₄	13.5	970601	135.88736	313.69437	18.20999	13.88445	0.1950226	2.5991204	21	3	1987-1994	0.72	M-v	4	Williams	23536	1987 SH ₄
1987 SH ₇	13.5	970601	222.84944	54.18300	289.79345	18.67739	0.0789170	1.9395202	30	4	1987-1997	0.66	M-v	3	Williams	26419	1987 SH ₇
1987 SS ₉	13.0	970601	233.71700	290.07299	113.51382	2.62373	0.1929868	3.1687603	26	7	1954-1996	0.69	M-v	1	Williams	29133	1987 SS ₉
1987 SQ ₁₀	13.5	970601	272.13550	15.25191	125.57159	5.24015	0.0477938	2.7552745	35	6	1987-1996	1.00	M-v	1	Williams	28085	1987 SQ ₁₀
1987 UV ₁	14.0	970601	231.22484	24.61661	329.53107	1.83920	0.1412159	2.4130783	18	4	1976-1997	1.29	M-v	2	Williams	28883	1987 UV ₁
1987 WT ₁	13.0	970601	191.26510	43.79599	94.69080	4.58695	0.0949977	3.2082033	36	6	1987-1995	0.71	M-v	1	Williams	25648	1987 WT ₁
1987 WU ₂	13.0	970601	353.50745	58.03449	307.05343	9.48243	0.2837800	2.8615221	17	4	1958-1994	0.96	M-v	3	Williams	24760	1987 WU ₂
1987 WS ₃	12.5	970601	120.09706	163.73043	243.79602	13.52000	0.2414820	2.5706811	39	5	1987-1997	0.70	M-v	2	Williams	27932	1987 WS ₃
1987 YA	14.5	970601	272.59172	170.17466	223.26343	2.37785	0.2959394	2.3135249	35	3	1987-1994	0.67	M-v	4	Williams	25648	1987 YA
1988 AX ₄	14.0	970601	259.07318	169.65889	176.52381	6.14764	0.1485275	2.4339589	36	4	1988-1997	0.46	M-v	1	Williams	24117	1988 AX ₄
1988 BY ₂	13.5	970601	22.75553	206.51633	329.71386	10.25321	0.0663823	2.6719647	20	4	1988-1995	0.81	M-v	3	Williams	29316	1988 BY ₂

1988 BC ₄	13.5	970601	122.29462	254.50103	172.96249	2.51060	0.1488774	2.6247519	33	3	1988-1997	0.71	M-v	4	Williams	26419	1988 BC ₄
1988 CT ₅	12.5	970601	268.59420	1.33817	319.73598	13.29245	0.1738968	2.5789597	46	7	1973-1997	0.83	M-v	2	Williams	26924	1988 CT ₅
1988 EB ₁	14.0	970601	149.72329	129.07042	55.15975	3.08936	0.1385993	2.4319453	22	5	1954-1993	0.80	M-v	2	Williams	22484	1988 EB ₁
1988 JD	13.0	970601	127.06239	344.77652	115.35073	3.65052	0.0332067	2.7218950	23	4	1988-1997	0.68	M-v	1	Williams	29316	1988 JD
1988 KA	13.5	970601	297.08238	222.57724	86.24384	3.80582	0.1900762	2.1394062	35	8	1982-1997	0.90	M-v	2	Williams	26419	1988 KA
1988 PK	14.5	970601	114.91173	175.43209	163.80742	4.10539	0.2390060	2.4180549	38	3	1988-1992	0.75	M-v	3	Williams	28883	1988 PK
1988 RV ₁	14.5	970601	61.06247	91.73019	11.22075	4.55677	0.0812433	2.3263880	26	3	1983-1997	0.62	M-v	4	Williams	29316	1988 RV ₁
1988 RZ ₂	14.5	970601	67.09351	264.08260	12.69614	4.97750	0.2344850	2.6741312	17	4	1978-1995	0.61	M-v	1	Williams	27727	1988 RZ ₂
1988 RF ₄	15.0	970601	209.20992	336.62161	341.97511	4.72420	0.1742463	2.2739742	34	3	1988-1997	0.97	M-v	4	Williams	29133	1988 RF ₄
1988 RO ₄	13.5	970601	193.80938	243.32725	162.10931	11.07628	0.1234721	2.9953299	49	4	1988-1997	0.62	M-v	1	Williams	26924	1988 RO ₄
1988 RT ₄	13.5	970601	168.27459	236.26637	151.32484	1.73882	0.2382414	3.1679369	36	3	1988-1997	0.45	M-v	4	Williams	27443	1988 RT ₄
1988 RE ₆	14.0	970601	81.88769	340.56884	79.89128	1.88639	0.2053374	2.3755283	38	4	1981-1997	0.79	M-v	2	Williams	28883	1988 RE ₆
1988 RU ₆	13.5	970601	120.31856	25.73186	198.62490	1.81643	0.1427895	2.6344510	64	6	1950-1996	0.71	M-v	1	Williams	27933	1988 RU ₆
1988 RF ₉	15.0	970601	283.55548	148.16402	97.81664	2.52037	0.1663836	2.2505878	37	7	1950-1995	0.82	M-v	1	Williams	28884	1988 RF ₉
1988 RG ₉	15.0	970601	192.83434	260.39090	121.18689	3.06213	0.1241165	2.2228810	32	3	1988-1997	0.70	M-v	3	Williams	29316	1988 RG ₉
1988 RE ₁₀	15.5	970601	55.37426	176.67618	162.38569	2.91403	0.2317301	2.5440114	33	4	1988-1996	0.77	M-v	3	Williams	28884	1988 RE ₁₀
1988 RV ₁₀	13.0	970601	340.40384	35.11928	148.72995	2.87123	0.1182842	3.2010356	29	5	1988-1997	0.72	M-v	1	Williams	28884	1988 RV ₁₀
1988 RB ₁₁	14.0	970601	146.41252	246.42084	162.90240	0.94423	0.2023507	3.1831567	16	4	1988-1997	0.70	M-v	1	Williams	26419	1988 RB ₁₁
1988 RO ₁₁	14.0	970601	208.08674	0.50238	22.30519	1.29062	0.1864041	3.0300524	16	4	1978-1994	0.68	M-v	1	Williams	24581	1988 RO ₁₁
1988 RV ₁₁	15.5	970601	278.03921	97.12802	165.68519	2.93452	0.1533863	2.2469833	21	3	1988-1997	0.35	M-v	3	Williams	29133	1988 RV ₁₁
1988 RZ ₁₁	13.0	970601	193.69531	340.07879	7.03382	5.26730	0.3053112	3.1681896	33	4	1988-1997	0.52	M-v	3	Marsden	29316	1988 RZ ₁₁
1988 RB ₁₂	14.5	970601	59.76995	344.56640	350.89035	5.40556	0.2518613	2.5449174	24	7	1972-1996	1.06	M-v	3	Williams	28085	1988 RB ₁₂
1988 RV ₁₂	12.0	970601	259.22144	307.78021	186.33944	16.22738	0.1658974	3.9854055	17	3	1988-1996	0.64	M-v	4	Williams	28884	1988 RV ₁₂
1988 SD	13.5	970601	165.81023	296.36929	13.34642	5.31332	0.1718106	2.3762496	30	3	1980-1992	0.94	M-v	4	Williams	22431	1988 SD
1988 SN	13.0	970601	121.52053	20.96370	1.14830	6.82570	0.1328327	2.3838873	27	2	1988-1997	0.88	M-v	4	Williams	28842	1988 SN
1988 SH ₂	12.0	970601	256.74329	225.29883	109.10771	11.35234	0.1159593	2.9948927	14	4	1978-1997	0.76	M-v	3	Williams	29096	1988 SH ₂
1988 ST ₂	13.0	970601	228.21297	228.53870	80.78585	2.24485	0.1314687	3.1859799	15	2	1981-1988	0.71	M-v	5	Williams	19864	1988 ST ₂
1988 SZ ₂	13.0	970601	185.26651	80.96203	124.45374	2.99313	0.0354578	3.9748231	20	4	1981-1996	0.64	M-v	2	Williams	28315	1988 SZ ₂
1988 TN	13.0	970601	91.54889	18.29020	12.79272	5.29261	0.0602807	2.4312940	55	4	1988-1997	0.98	M-v	3	Williams	28884	1988 TN
1988 TT	12.5	970601	267.07008	338.53626	4.30970	10.82997	0.0991835	3.0022584	30	4	1988-1996	0.79	M-v	2	Williams	28613	1988 TT
1988 TL ₁	14.0	970601	174.94831	176.00869	214.60238	4.86800	0.1398221	2.2811366	30	3	1988-1997	0.77	M-v	4	Williams	27727	1988 TL ₁
1988 TO ₁	13.5	970601	207.14020	311.46245	103.51251	2.53580	0.2507161	3.0450720	29	4	1983-1996	1.04	M-v	3	Williams	28583	1988 TO ₁
1988 TQ ₄	12.5	970601	320.80151	256.48333	128.22368	1.34512	0.0800019	2.7811563	37	8	1974-1996	0.74	M-v	1	Williams	27933	1988 TQ ₄
1988 US	13.0	970601	205.70959	77.03278	280.64810	3.79628	0.1526697	2.2989741	47	7	1950-1997	0.79	M-v	2	Williams	26579	1988 US
1988 VP	12.5	970601	52.78605	346.11683	54.51610	14.39909	0.0661439	2.5375965	62	6	1984-1997	0.71	M-v	3	Williams	28884	1988 VP
1988 VQ ₁	14.5	970601	137.37723	38.09989	44.49696	6.19445	0.1362407	2.2944411	30	4	1988-1997	0.79	M-v	2	Williams	26419	1988 VQ ₁
1988 VS ₁	14.0	970601	260.52639	246.09856	102.14202	3.23547	0.2046193	2.2078710	24	4	1988-1997	0.74	M-v	2	Williams	26756	1988 VS ₁
1988 VK ₂	13.0	970601	62.01342	305.46587	75.66899	7.48709	0.1342355	2.5522662	27	4	1988-1996	0.83	M-v	4	Williams	29134	1988 VK ₂
1988 VS ₂	13.0	970601	63.38510	154.07869	211.65693	13.13589	0.1893875	2.5757668	35	4	1988-1997	0.72	M-v	3	Williams	29134	1988 VS ₂
1988 VT ₂	14.0	970601	116.20372	111.75283	276.05129	1.63331	0.1695749	2.4049403	22	4	1988-1997	0.83	M-v	2	Williams	29316	1988 VT ₂
1988 VP ₅	14.5	970601	197.92245	286.14990	66.25302	5.14301	0.2026846	2.3002808	26	5	1981-1997	0.68	M-v	2	Marsden	26756	1988 VP ₅
1988 XB ₅	14.0	970601	102.37938	101.01732	63.42188	4.79706	0.1030809	2.2453522	29	6	1981-1996	0.86	M-v	2	Williams	29134	1988 XB ₅
1989 AE	14.0	970601	116.77129	125.85333	294.29575	2.59439	0.1919641	2.4163832	33	5	1950-1997	0.65	M-v	1	Williams	26189	1989 AE
1989 AG	13.0	970601	319.40842	37.61843	95.10439	12.82484	0.1404946	2.6664716	43	6	1979-1996	0.94	M-v	1	Williams	28884	1989 AG
1989 AC ₂	14.0	970601	112.96679	211.72517	249.37659	0.39172	0.1623533	2.3712001	47	4	1989-1997	0.69	M-v	2	Williams	26756	1989 AC ₂
1989 AB ₃	12.0	970601	275.92341	299.25752	113.75867	11.13909	0.1012602	3.0186636	14	3	1955-1994	0.95	M-v	5	Williams	23133	1989 AB ₃
1989 AF ₃	14.0	970601	118.44528	28.37583	110.84834	6.74115	0.1861218	2.3259532	14	2	1988-1996	0.93	M-v	5	Williams	26756	1989 AF ₃
1989 AL ₃	15.0	970601	189.61816	331.51830	127.16369	5.06687	0.0844126	2.2584949	20	3	1988-1996	0.87	M-v	3	Williams	27324	1989 AL ₃
1989 AZ ₅	15.0	970601	50.58713	12.50723	109.45879	4.33956	0.1502933	2.4866729	9	2	1956-1989	0.78	M-v	6	Williams	14954	1989 AZ ₅
1989 AJ ₆	14.0	970601	344.18251	285.41552	318.16359	5.71817	0.0987813	2.3966172	21	2	1989-1994	1.00	M-v	6	Williams	24561	1989 AJ ₆
1989 AS ₆	15.0	970601	80.93212	8.83199	122.72356	3.28080	0.1546329	2.4096302	19	5	1989-1997	0.74	M-v	2	Williams	27324	1989 AS ₆
1989 BA	13.0	970601	97.05506	140.18540	342.90086	23.90172	0.2804953	2.3804498	31	4	1975-1995	0.66	M-v	2	Williams	27933	1989 BA

1989 BA ₁	13.0	970601	310.76034	166.59841	246.72645	36.45268	0.1602976	2.7730330	28	4	1987-1992	0.86	M-v	2	Williams	27933	1989 BA ₁
1989 CG ₁	12.0	970601	340.53217	246.05657	305.88581	14.01224	0.0887295	2.5626150	25	4	1952-1997	0.61	M-v	2	Williams	29297	1989 CG ₁
1989 CB ₄	14.0	970601	119.49065	288.01042	166.48324	5.70644	0.1667767	2.3913558	24	4	1989-1997	0.66	M-v	3	Williams	26579	1989 CB ₄
1989 CJ ₈	12.5	970601	6.67403	65.31930	145.18981	8.66815	0.1924407	2.4669051	41	3	1989-1997	0.69	M-v	4	Williams	21938	1989 CJ ₈
1989 EX	12.5	970601	357.91500	60.22496	135.76875	11.81043	0.1293533	2.5599250	12	3	1989-1997	0.89	M-v	4	Williams	29096	1989 EX
1989 GE	13.5	970601	96.02365	205.50634	52.98744	7.89649	0.1881939	2.2680960	19	3	1989-1996	1.02	M-v	3	Williams	27306	1989 GE
1989 GB ₁	12.0	970601	237.29968	251.10970	222.56271	5.51415	0.0993270	3.1698718	40	7	1951-1994	0.87	M-v	1	Williams	23684	1989 GB ₁
1989 GC ₄	13.5	970601	181.90713	322.91008	273.99488	1.08503	0.0693606	2.9412629	30	7	1951-1996	0.65	M-v	3	Williams	28315	1989 GC ₄
1989 GH ₈	14.5	970601	135.44116	17.52173	91.23321	3.81928	0.1276465	2.4040206	14	2	1989-1996	0.58	M-v	5	Williams	26559	1989 GH ₈
1989 KE	14.0	970601	319.13574	94.20281	151.51488	14.00564	0.1341562	2.6095308	20	4	1989-1997	0.95	M-v	3	Williams	29134	1989 KE
1989 LT	14.0	970601	52.32180	247.94887	0.84256	1.69663	0.1438101	2.4124955	30	4	1989-1996	0.86	M-v	2	Williams	26924	1989 LT
1989 NA	15.5	970601	297.08234	202.28525	97.08360	14.14076	0.4511574	2.6467387	51	4	1976-1997	0.65	M-v	1	Williams	24388	1989 NA
1989 OM	13.5	970601	190.63443	288.95010	26.12033	17.08710	0.2850341	2.9404601	22	3	1989-1994	0.40	M-v	2	Williams	24240	1989 OM
1989 RJ	14.0	970601	49.92670	215.96184	206.51660	3.68319	0.2407927	2.2613907	24	4	1988-1994	0.83	M-v	4	Williams	27933	1989 RJ
1989 RW	12.5	970601	270.69768	47.43959	214.84960	9.67599	0.1275913	2.8745245	26	5	1980-1994	0.74	M-v	1	Williams	24118	1989 RW
1989 SE	14.5	970601	325.30710	347.12578	8.12630	7.62560	0.2902539	2.5465760	19	3	1981-1993	0.88	M-v	3	Williams	22825	1989 SE
1989 SJ ₂	14.0	970601	11.43243	120.55509	172.20405	13.27688	0.1529246	2.5817189	15	2	1989-1993	0.36	M-v	5	Williams	27911	1989 SJ ₂
1989 SR ₂	13.5	970601	141.86404	340.88040	99.68474	3.36995	0.0446157	2.8934239	47	7	1954-1997	0.71	M-v	1	Williams	26579	1989 SR ₂
1989 TT	14.0	970601	297.27912	221.14822	173.40849	16.95434	0.2800925	2.5973545	24	3	1989-1995	0.87	M-v	4	Williams	27933	1989 TT
1989 TB ₁	14.5	970601	111.38343	53.62871	11.91787	2.72591	0.1117496	2.1564926	26	9	1981-1997	0.95	M-v	2	Williams	28613	1989 TB ₁
1989 TT ₁₁	12.5	970601	195.39214	176.49038	202.57980	1.54485	0.0771354	2.8905320	41	8	1974-1997	0.82	M-v	2	Williams	27933	1989 TT ₁₁
1989 UW ₂	11.5	970601	14.84657	313.90977	205.97231	11.13061	0.0138405	3.1404621	20	4	1977-1997	0.98	M-v	2	Williams	29297	1989 UW ₂
1989 UG ₃	13.5	970601	279.58838	319.90041	87.90411	4.91225	0.1620019	2.6122844	23	4	1982-1993	0.67	M-v	2	Williams	28884	1989 UG ₃
1989 UA ₆	11.5	970601	84.88239	214.59976	58.30893	3.64300	0.1655138	3.9689720	19	4	1977-1996	0.74	M-v	1	Williams	28884	1989 UA ₆
1989 VA	17.5	970601	230.32749	2.78584	225.65656	28.78411	0.5947344	0.7286610	78	4	1989-1996	0.70	M-v	4	Williams	28613	1989 VA
1989 WF ₁	13.5	970601	258.61535	352.83817	61.02694	12.91716	0.2177535	2.7009612	21	3	1949-1996	1.02	M-v	4	Williams	27454	1989 WF ₁
1989 WU ₂	13.0	970601	151.22890	320.52504	84.01973	3.00866	0.1915776	3.0919075	36	7	1978-1997	0.70	M-v	1	Williams	28613	1989 WU ₂
1989 YO ₅	12.0	970601	8.69738	120.53851	93.90833	2.59890	0.1109134	3.1467433	30	9	1952-1996	0.98	M-v	1	Williams	26925	1989 YO ₅
1989 YU ₅	15.0	970601	102.22315	105.42651	272.03078	2.03394	0.2775824	2.2945652	23	5	1975-1997	0.83	M-v	4	Williams	22081	1989 YU ₅
1989 YX ₆	14.5	970601	19.30422	326.15224	113.12373	5.17899	0.2049171	2.3818799	18	3	1989-1994	0.79	M-v	3	Williams	23991	1989 YX ₆
1990 BA	18.0	970601	71.41724	170.67434	311.97399	1.99657	0.3381012	1.7399407	36	2	1990-1997	0.71	M-v	2	Marsden	28843	1990 BA
1990 BJ	13.0	970601	63.49756	106.49058	290.32672	22.32402	0.2850334	2.3359380	30	4	1983-1997	0.92	M-v	2	Williams	28613	1990 BJ
1990 DL ₃	13.0	970601	265.30851	291.47200	352.00489	7.11096	0.1938884	2.3452825	24	5	1990-1997	0.93	M-v	2	Williams	28614	1990 DL ₃
1990 EU ₄	15.5	970601	30.87030	177.79703	337.99676	3.94967	0.0800484	2.3186674	17	3	1981-1997	0.69	M-v	4	Williams	20637	1990 EU ₄
1990 EA ₅	14.0	970601	208.92351	350.24210	303.10434	1.85100	0.1683091	2.4683318	23	4	1949-1991	0.78	M-v	1	Williams	22494	1990 EA ₅
1990 FR ₁	12.5	970601	276.12230	254.50347	107.72184	16.67932	0.0225997	3.1604478	15	4	1990-1996	0.71	M-v	1	Williams	29134	1990 FR ₁
1990 GE	15.0	970601	357.08355	191.82781	356.56758	6.52524	0.1686990	2.3332787	22	4	1977-1997	0.68	M-v	3	Williams	17963	1990 GE
1990 GN	15.0	970601	9.55893	173.95657	357.57719	1.71354	0.1633573	2.3336010	24	3	1977-1997	0.66	M-v	4	Williams	29316	1990 GN
1990 HP	14.5	970601	226.13636	187.68430	32.23980	21.55446	0.0508584	1.9405537	13	3	1980-1990	0.91	M-v	4	Williams	18120	1990 HP
1990 HO ₃	13.5	970601	314.07829	355.78669	70.19221	2.62395	0.1564830	3.0985325	21	7	1954-1994	0.58	M-v	1	Williams	25538	1990 HO ₃
1990 OH ₂	12.5	970601	109.84350	280.17640	349.41126	4.77924	0.1851044	3.1650197	21	4	1985-1996	0.69	M-v	1	Williams	29298	1990 OH ₂
1990 OW ₂	14.0	970601	285.37664	300.77105	81.82279	8.34475	0.1352227	2.3213145	26	6	1954-1995	0.64	M-v	1	Williams	29134	1990 OW ₂
1990 OY ₃	14.0	970601	303.52070	6.52596	324.93629	5.97623	0.1351267	2.3713699	24	3	1989-1994	0.84	M-v	4	Williams	29097	1990 OY ₃
1990 QR	12.5	970601	244.32489	123.31242	169.20974	13.55747	0.1710914	2.6203076	24	4	1990-1997	0.77	M-v	2	Williams	26189	1990 QR
1990 QY	12.5	970601	148.12629	80.85841	197.79621	8.06720	0.2084123	3.0245976	33	6	1964-1996	0.69	M-v	1	Williams	28316	1990 QY
1990 QV ₁	13.5	970601	98.00986	263.93176	119.26547	3.02461	0.0850780	2.9051657	24	2	1990-1997	0.77	M-v	5	Williams	28584	1990 QV ₁
1990 QA ₂	14.0	970601	128.38616	114.22440	320.52072	1.59143	0.0627693	2.6306534	29	8	1976-1997	0.66	M-v	1	Williams	28885	1990 QA ₂
1990 QB ₂	14.0	970601	314.03060	150.69786	171.87802	2.08387	0.2163347	2.3836092	19	5	1979-1996	0.57	M-v	2	Williams	27119	1990 QB ₂
1990 QD ₂	13.5	970601	329.26304	198.09349	118.37867	1.75176	0.2098211	2.3573911	32	5	1971-1996	0.82	M-v	1	Williams	26757	1990 QD ₂
1990 QW ₃	15.5	970601	87.15778	341.16322	317.99897	1.78431	0.1533857	2.1414557	25	4	1987-1995	0.83	M-v	3	Williams	24761	1990 QW ₃
1990 QN ₅	13.5	970601	124.98090	40.49754	345.49752	8.63641	0.1742660	2.7913012	18	3	1990-1997	0.85	M-v	4	Williams	29298	1990 QN ₅
1990 QE ₇	14.0	970601	138.19133	319.35352	142.97071	2.13553	0.1233986	2.5330430	34	3	1990-1996	0.59	M-v	3	Williams	26757	1990 QE ₇

1990 QX ₁₇	14.0	970601	285.48317	111.46523	249.06665	1.24763	0.2268863	2.3804890	21	3	1979-1995	0.74	M-v	3	Williams	24761	1990 QX ₁₇
1990 RD	13.0	970601	111.70018	206.38675	176.98131	7.81824	0.2260943	2.8753911	22	5	1990-1997	0.61	M-v	2	Williams	25956	1990 RD
1990 RA ₃	14.0	970601	161.31469	149.79521	233.93191	1.13550	0.0999593	2.6976629	26	3	1990-1997	0.55	M-v	4	Marsden	26419	1990 RA ₃
1990 RR ₃	13.5	970601	294.81375	233.86335	36.30404	2.74137	0.1636353	2.5671921	13	3	1990-1997	0.50	M-v	3	Williams	29298	1990 RR ₃
1990 RD ₆	13.5	970601	229.10175	320.48719	343.52922	12.38082	0.1684987	2.6401016	26	2	1990-1997	0.53	M-v	4	Williams	29097	1990 RD ₆
1990 RK ₇	14.0	970601	44.77103	356.85324	105.36291	2.08591	0.1344643	2.8357691	29	8	1952-1997	0.81	M-v	1	Williams	29134	1990 RK ₇
1990 SB ₁	13.0	970601	33.25436	208.95186	346.73618	12.71332	0.1079468	2.5795962	29	5	1955-1996	0.77	M-v	2	Williams	26579	1990 SB ₁
1990 SH ₁	13.0	970601	163.06132	176.93006	207.10036	9.04464	0.2875882	2.7329218	25	7	1904-1994	0.78	M-v	2	Williams	24118	1990 SH ₁
1990 SA ₂	14.0	970601	349.38226	7.41592	359.36458	1.43183	0.1323991	2.2742106	20	5	1983-1994	1.16	M-v	3	Williams	24582	1990 SA ₂
1990 SL ₂	14.0	970601	350.38961	251.24651	74.01269	6.34339	0.2039176	2.3226461	21	4	1989-1994	1.05	M-v	2	Williams	24582	1990 SL ₂
1990 SY ₂	12.5	970601	114.04105	295.11251	106.52984	3.23033	0.0713200	2.8469555	22	6	1976-1997	0.67	M-v	1	Williams	28885	1990 SY ₂
1990 SF ₅	15.0	970601	230.85590	193.67941	154.05550	4.53449	0.1101293	2.5864490	22	3	1990-1997	0.69	M-v	4	Williams	24761	1990 SF ₅
1990 SR ₆	14.0	970601	220.39246	310.34821	69.57748	2.14371	0.1728837	2.5486271	19	6	1978-1997	0.79	M-v	2	Williams	28614	1990 SR ₆
1990 SV ₁₃	14.0	970601	201.65647	20.29927	7.59368	4.43016	0.0599130	2.5380055	21	5	1978-1997	0.70	M-v	3	Williams	28885	1990 SV ₁₃
1990 SJ ₁₆	12.5	970601	62.70414	71.94149	297.89362	5.20292	0.2152457	3.1004599	15	4	1952-1997	0.85	M-v	2	Williams	28885	1990 SJ ₁₆
1990 SL ₂₈	13.0	970601	239.84459	0.17490	321.00280	1.25075	0.1940796	2.6404923	44	8	1964-1997	0.75	M-v	1	Williams	28885	1990 SL ₂₈
1990 TX	14.0	970601	311.48561	298.63037	76.01763	4.46961	0.2669042	2.3414730	16	4	1965-1990	0.85	M-v	3	Williams	22082	1990 TX
1990 TE ₁	14.0	970601	213.84692	343.20015	19.23513	13.54696	0.2989228	2.6415916	23	4	1971-1997	1.05	M-v	3	Williams	21974	1990 TE ₁
1990 TM ₁	11.5	970601	107.25032	242.87031	86.46948	6.62791	0.0489358	3.2556600	23	5	1979-1996	0.75	M-v	2	Williams	29316	1990 TM ₁
1990 TO ₃	13.5	970601	251.07588	55.95685	216.81719	1.24910	0.0289863	2.8416127	23	5	1990-1997	0.71	M-v	1	Williams	29134	1990 TO ₃
1990 TK ₈	12.5	970601	276.77182	171.97990	42.98463	10.83545	0.0671560	3.0245359	28	6	1988-1997	0.71	M-v	1	Williams	28885	1990 TK ₈
1990 TG ₁₃	14.5	970601	222.47649	22.99172	65.19478	11.50112	0.2013037	2.4278520	14	3	1990-1996	0.63	M-v	4	Williams	27728	1990 TG ₁₃
1990 UL ₁	14.5	970601	345.21055	285.58087	106.53023	4.51124	0.1754373	2.2588337	29	4	1989-1993	0.98	M-v	2	Williams	29317	1990 UL ₁
1990 UL ₂	13.5	970601	355.48240	352.33018	63.03754	5.40690	0.1286829	2.2068522	22	4	1988-1993	0.74	M-v	3	Williams	29317	1990 UL ₂
1990 UG ₃	13.5	970601	199.63872	359.42656	58.39438	6.48055	0.3164209	2.5954694	29	6	1969-1996	0.95	M-v	1	Williams	27120	1990 UG ₃
1990 UO ₃	14.5	970601	233.86087	50.44722	98.74500	4.59890	0.0887950	2.2719138	21	4	1990-1996	0.62	M-v	3	Williams	27567	1990 UO ₃
1990 UY ₃	13.0	970601	93.00010	294.29581	68.07799	9.97886	0.2239191	3.1252564	15	2	1990-1993	0.70	M-v	4	Williams	22054	1990 UY ₃
1990 VU ₃	13.0	970601	70.27119	303.77215	144.56331	1.30627	0.1375285	2.9786598	17	3	1990-1997	0.68	M-v	4	Williams	29298	1990 VU ₃
1990 VX ₃	13.5	970601	223.70081	110.39628	38.73113	3.18389	0.1803244	2.3341961	24	7	1982-1996	1.07	M-v	2	Williams	28885	1990 VX ₃
1990 VS ₄	14.5	970601	264.57315	138.90438	206.92106	11.91100	0.1934591	2.5675271	18	4	1986-1997	0.85	M-v	4	Williams	24407	1990 VS ₄
1990 VZ ₄	13.5	970601	237.51940	97.53856	188.39589	9.99301	0.0997563	2.9200361	18	2	1989-1990	0.87	M-v	5	Williams	18434	1990 VZ ₄
1990 VK ₅	14.0	970601	26.34892	152.39263	133.54707	7.38984	0.1250248	2.4262153	16	4	1974-1993	0.79	M-v	2	Williams	23860	1990 VK ₅
1990 VD ₆	13.0	970601	264.51572	126.96589	164.98908	9.22557	0.1372159	2.7853315	19	5	1988-1997	0.84	M-v	1	Williams	28316	1990 VD ₆
1990 WB ₂	14.0	970601	187.35319	61.38206	110.20834	7.28613	0.1453863	2.3644957	24	4	1977-1993	0.64	M-v	2	Williams	28885	1990 WB ₂
1990 WS ₂	14.0	970601	274.39042	279.26458	149.98884	2.65111	0.1797628	2.3931445	15	5	1975-1995	0.94	M-v	2	Williams	27934	1990 WS ₂
1990 WP ₄	13.0	970601	9.26414	123.57800	88.67651	10.24936	0.0900600	2.7708882	15	3	1979-1990	0.62	M-v	3	Williams	27934	1990 WP ₄
1991 AC	12.5	970601	102.69890	62.93804	58.08913	2.88362	0.0158278	2.8869528	23	4	1989-1997	0.79	M-v	2	Williams	29134	1991 AC
1991 AD	12.5	970601	227.66927	125.60378	262.04160	7.65572	0.1755328	2.6969676	28	8	1982-1996	0.79	M-v	1	Williams	28885	1991 AD
1991 AJ ₃	12.5	970601	211.45449	5.87990	288.92678	14.64085	0.0519846	3.1842704	23	5	1989-1996	0.92	M-v	2	Williams	28584	1991 AJ ₃
1991 BK	14.0	970601	178.47082	47.38752	67.64766	5.73915	0.2825771	2.6297825	25	3	1991-1996	0.78	M-v	2	Williams	29135	1991 BK
1991 BX	12.5	970601	63.97200	219.60323	246.31895	4.12023	0.1465396	3.1532937	23	5	1989-1997	1.08	M-v	2	Williams	26757	1991 BX
1991 BD ₁	13.5	970601	147.76954	51.89836	115.48430	6.57662	0.0919559	2.5910009	16	3	1989-1993	0.79	M-v	4	Williams	28844	1991 BD ₁
1991 CS	17.5	970601	177.68516	249.42100	156.91815	37.12224	0.1645835	1.1227302	182	2	1991-1997	0.61	M-v	1	Williams	29317	1991 CS
1991 CR ₁	12.5	970601	116.28492	313.50318	111.19383	7.86557	0.0870436	3.1498825	15	3	1984-1994	0.57	M-v	3	Williams	20507	1991 CR ₁
1991 DU	13.0	970601	202.37052	15.51988	31.67061	2.27198	0.0821714	2.8772706	35	4	1989-1996	0.56	M-v	2	Williams	29135	1991 DU
1991 FL ₄	12.0	970601	325.48526	106.68591	182.23738	13.71987	0.1928415	3.1261880	21	4	1987-1997	0.61	M-v	2	Williams	25064	1991 FL ₄
1991 GR ₁	14.0	970601	230.22324	98.01683	142.81385	7.07140	0.0957529	2.3663504	18	4	1988-1996	0.66	M-v	2	Williams	28845	1991 GR ₁
1991 GX ₁	10.5	970601	289.92022	160.68644	298.90073	9.52688	0.0363653	5.1871109	22	3	1990-1996	0.95	M-v	4	Williams	28316	1991 GX ₁
1991 GE ₂	13.0	970601	177.38334	182.33609	101.23530	14.18871	0.1943320	2.4281216	26	3	1991-1995	0.79	M-v	3	Williams	25440	1991 GE ₂
1991 GT ₂	13.5	970601	171.39944	79.29856	199.77013	11.38826	0.2254366	2.4196733	31	4	1976-1995	0.66	M-v	1	Williams	27934	1991 GT ₂
1991 GB ₃	13.5	970601	37.72799	160.04978	19.84919	0.80157	0.1187124	3.2149088	46	3	1991-1997	0.89	M-v	4	Williams	27934	1991 GB ₃
1991 GH ₃	13.5	970601	277.97382	189.24976	255.06403	0.95014	0.1366356	2.5646518	28	4	1989-1995	0.92	M-v	2	Williams	27934	1991 GH ₃

1991 GP ₆	15.5	970601	216.59448	31.35517	193.68042	1.99743	0.1656336	2.4057650	29	5	1977-1996	0.72	M-v	2	Williams	28614	1991 GP ₆
1991 GE ₉	13.0	970601	128.79631	324.08329	119.47369	2.14286	0.1731903	3.1462470	29	3	1988-1997	0.82	M-v	3	Williams	25081	1991 GE ₉
1991 GH ₁₀	14.0	970601	354.87967	10.73472	51.75025	6.84016	0.1017816	2.4157489	17	3	1989-1995	0.59	M-v	5	Williams	29098	1991 GH ₁₀
1991 JJ	12.0	970601	164.20253	165.64482	62.73875	14.13357	0.1268394	2.5932773	20	4	1976-1995	0.78	M-v	2	Williams	25426	1991 JJ
1991 LY	13.0	970601	112.07138	182.67185	117.64854	15.75105	0.1816847	2.6294956	14	4	1986-1993	0.53	M-v	3	Williams	29098	1991 LY
1991 LH ₁	14.5	970601	209.07390	179.93595	106.84625	2.42556	0.0964270	2.3481656	20	3	1991-1994	0.65	M-v	4	Williams	23782	1991 LH ₁
1991 NS ₁	14.0	970601	202.13277	126.70004	173.14110	6.62784	0.1744303	2.4329502	29	3	1991-1995	0.67	M-v	3	Williams	26189	1991 NS ₁
1991 NA ₂	13.5	970601	186.05924	112.85474	128.61669	9.00046	0.1589072	2.6446689	18	4	1977-1995	0.78	M-v	2	Williams	25440	1991 NA ₂
1991 NP ₂	14.0	970601	237.56178	350.25011	317.63435	6.85584	0.1496351	2.3173336	25	5	1977-1995	0.83	M-v	2	Williams	28614	1991 NP ₂
1991 NF ₃	13.5	970601	75.75915	102.81901	272.56631	11.80156	0.2046948	2.6449435	27	4	1989-1997	0.73	M-v	2	Williams	28614	1991 NF ₃
1991 PT ₁	14.5	970601	308.73729	38.10935	191.40187	3.33576	0.1449825	2.3104026	28	5	1987-1997	0.82	M-v	2	Williams	27728	1991 PT ₁
1991 PO ₂	13.5	970601	266.09894	350.69738	79.94224	2.16981	0.1115481	3.1615297	26	5	1981-1994	0.80	M-v	1	Williams	27934	1991 PO ₂
1991 PY ₂	13.5	970601	24.78006	168.53892	324.21680	9.44655	0.1257206	2.3918895	22	4	1975-1997	0.79	M-v	2	Williams	29317	1991 PY ₂
1991 PJ ₃	14.5	970601	98.05204	107.23451	349.67561	4.79971	0.0978067	2.3119238	28	6	1981-1995	0.83	M-v	2	Williams	27728	1991 PJ ₃
1991 PE ₅	12.5	970601	222.21556	277.49491	245.38845	1.21821	0.0093272	2.8751627	41	5	1980-1995	0.83	M-v	1	Williams	25440	1991 PE ₅
1991 PA ₇	15.0	970601	212.08912	311.10200	346.78315	2.26666	0.1706556	2.4212204	34	4	1991-1996	0.62	M-v	2	Williams	28614	1991 PA ₇
1991 PJ ₇	15.0	970601	215.17572	24.27972	338.03600	5.49362	0.1726543	2.2873461	31	5	1953-1997	0.85	M-v	2	Williams	25440	1991 PJ ₇
1991 PT ₇	15.0	970601	236.91031	264.80035	10.96764	2.20075	0.1871839	2.3948615	24	5	1950-1994	0.88	M-v	2	Williams	24583	1991 PT ₇
1991 PT ₈	13.5	970601	298.00823	280.80262	154.87359	11.80608	0.1152304	2.9828239	14	4	1991-1995	0.63	M-v	2	Williams	26901	1991 PT ₈
1991 PW ₉	13.0	970601	16.93118	157.95968	152.87635	9.97039	0.0815344	3.1624674	27	3	1991-1995	0.90	M-v	4	Williams	25440	1991 PW ₉
1991 PC ₁₁	12.5	970601	72.93943	248.38739	146.31088	7.18082	0.1621228	2.6654182	16	3	1989-1997	0.74	M-v	3	Williams	28846	1991 PC ₁₁
1991 PG ₁₁	14.5	970601	250.59758	137.56010	179.36023	6.61342	0.2370414	2.3050133	11	3	1977-1997	0.69	M-v	4	Williams	19507	1991 PG ₁₁
1991 PQ ₁₁	13.5	970601	163.20445	31.17208	308.33383	5.23416	0.0857495	2.5301251	18	5	1975-1997	0.75	M-v	4	Williams	28614	1991 PQ ₁₁
1991 PQ ₁₂	12.5	970601	69.19343	88.90170	173.49009	1.08465	0.1248790	3.1456457	22	4	1991-1995	0.71	M-v	2	Williams	28886	1991 PQ ₁₂
1991 PT ₁₄	14.5	970601	337.98480	50.86507	141.82430	2.82633	0.0478069	2.3730265	29	3	1991-1997	0.84	M-v	3	Williams	29135	1991 PT ₁₄
1991 PX ₁₄	14.5	970601	212.00812	69.54633	260.85520	5.45293	0.1500390	2.3660783	10	3	1951-1991	0.87	M-v	4	Williams	20822	1991 PX ₁₄
1991 PX ₁₇	13.5	970601	274.49614	278.22695	0.37649	6.66297	0.1117763	2.3251430	21	4	1962-1997	0.81	M-v	3	Williams	29098	1991 PX ₁₇
1991 PZ ₁₇	14.0	970601	177.29159	306.87346	109.84531	6.01223	0.1559112	2.2946402	22	4	1989-1996	0.50	M-v	1	Williams	26925	1991 PZ ₁₇
1991 RJ	13.0	970601	154.32351	331.26661	338.08882	13.19367	0.1610728	2.6225705	29	6	1951-1992	0.96	M-v	2	Williams	27120	1991 RJ
1991 RA ₁	14.0	970601	134.28928	49.38244	323.52837	11.81653	0.2053307	2.5499848	23	5	1975-1997	0.71	M-v	3	Williams	25974	1991 RA ₁
1991 RG ₄	16.0	970601	203.80266	57.72515	279.54826	1.51331	0.2250145	2.4159798	22	2	1991-1997	0.47	M-v	5	Williams	29299	1991 RG ₄
1991 RN ₄	14.5	970601	175.12752	226.87574	159.20925	6.27936	0.2317857	2.3808826	26	2	1991-1995	0.88	M-v	4	Williams	26398	1991 RN ₄
1991 RB ₅	14.5	970601	198.51116	23.79424	348.59770	5.96659	0.1331136	2.3712252	30	4	1980-1997	0.76	M-v	2	Williams	27120	1991 RB ₅
1991 RK ₁₁	13.0	970601	238.08792	74.10624	134.75948	11.24479	0.1255656	2.5652718	15	4	1955-1994	0.80	M-v	2	Williams	23239	1991 RK ₁₁
1991 RN ₁₁	14.5	970601	118.05824	299.80796	107.70863	3.20519	0.1746259	2.4294511	22	3	1988-1997	0.97	M-v	3	Williams	21976	1991 RN ₁₁
1991 RR ₁₂	15.0	970601	158.32397	17.70334	23.95866	3.40913	0.2345581	2.3696902	24	4	1984-1997	0.78	M-v	2	Williams	26741	1991 RR ₁₂
1991 RV ₁₃	14.0	970601	180.26241	171.13700	216.78562	5.82069	0.1204589	2.3693588	27	4	1984-1997	0.73	M-v	2	Williams	27120	1991 RV ₁₃
1991 RM ₁₅	14.5	970601	224.47637	4.03828	309.44801	2.10003	0.2232471	2.3875131	14	3	1980-1997	0.87	M-v	5	Williams	22084	1991 RM ₁₅
1991 RP ₁₅	12.5	970601	328.22688	14.39888	47.64165	1.45280	0.1414804	3.0744314	24	8	1975-1996	0.77	M-v	1	Williams	27729	1991 RP ₁₅
1991 RV ₁₆	15.0	970601	220.15055	19.38022	21.72629	7.14862	0.1166815	2.2370460	19	4	1954-1996	0.73	M-v	2	Williams	28886	1991 RV ₁₆
1991 RY ₂₁	13.5	970601	290.53991	127.84169	102.22664	3.30858	0.1539103	2.4117997	21	4	1979-1996	0.52	M-v	1	Williams	29299	1991 RY ₂₁
1991 RC ₂₂	14.0	970601	287.04283	251.35079	43.49918	3.95387	0.1870616	2.2511354	15	6	1971-1997	0.64	M-v	2	Williams	25065	1991 RC ₂₂
1991 RJ ₂₂	14.0	970601	303.73868	214.54281	120.63733	4.48110	0.2112174	2.1449973	24	2	1991-1996	0.60	M-v	4	Williams	28886	1991 RJ ₂₂
1991 RN ₂₇	13.0	970601	359.22167	177.14096	339.02321	14.28992	0.0343807	2.5812875	12	4	1985-1997	0.62	M-v	3	Williams	23782	1991 RN ₂₇
1991 RR ₃₀	12.0	970601	314.57411	15.26227	25.01000	6.58828	0.1312287	3.1484419	21	6	1975-1996	0.78	M-v	1	Williams	27935	1991 RR ₃₀
1991 RH ₄₁	14.0	970601	145.79232	279.86067	133.80382	2.74669	0.0795742	2.4024946	29	5	1978-1997	0.64	M-v	2	Williams	26420	1991 RH ₄₁
1991 ST	14.0	970601	294.28569	228.95577	79.74740	6.85604	0.2205666	2.2003220	15	5	1952-1994	0.86	M-v	2	Williams	26170	1991 ST
1991 SY	13.0	970601	203.60363	207.28848	29.13732	13.66144	0.1278722	2.6832390	18	5	1981-1996	0.66	M-v	1	Williams	28316	1991 SY
1991 TP ₁	14.0	970601	300.13508	82.39422	234.28660	3.79269	0.2156779	2.2040957	33	4	1991-1997	0.80	M-v	3	Williams	26580	1991 TP ₁
1991 UQ	13.5	970601	290.91619	284.42044	19.63816	3.25356	0.1444750	2.2921652	17	5	1950-1993	1.05	M-v	2	Williams	24583	1991 UQ
1991 UV	13.5	970601	298.25322	86.85243	218.86874	1.88116	0.1611587	2.2749628	34	8	1953-1997	0.86	M-v	1	Williams	28615	1991 UV
1991 UP ₂	13.5	970601	262.27313	276.24585	79.25660	4.63616	0.1396591	2.2779059	15	3	1991-1994	0.69	M-v	4	Williams	27712	1991 UP ₂

1991 UD ₃	14.0	970601	110.15325	226.60367	209.49324	7.13434	0.2388570	2.5542993	37	5	1983-1997	0.82	M-v	2	Williams	26190	1991 UD ₃
1991 UK ₃	12.0	970601	314.53907	268.79322	222.91894	13.44617	0.2556574	3.1012730	20	5	1988-1996	0.66	M-v	1	Williams	28086	1991 UK ₃
1991 VH	17.0	970601	250.54686	207.06886	139.48802	13.91671	0.1438605	1.1365315	151	2	1991-1997	0.57	M-v	2	Marsden	29317	1991 VH
1991 VU	13.0	970601	132.93612	141.41028	244.10027	6.97237	0.1549869	2.6125791	23	5	1986-1997	0.76	M-v	2	Williams	23978	1991 VU
1991 VL ₁	14.5	970601	296.73592	256.34683	102.73068	5.96772	0.1267215	2.1754062	26	4	1991-1996	0.52	M-v	2	Williams	27567	1991 VL ₁
1991 VP ₁	14.0	970601	201.42457	316.85669	123.16229	4.92102	0.1290253	2.2555257	24	4	1989-1996	0.78	M-v	1	Williams	29135	1991 VP ₁
1991 VV ₃	14.0	970601	196.24389	347.36839	49.62024	3.25078	0.2119820	2.3814161	27	6	1954-1997	0.96	M-v	2	Williams	26758	1991 VV ₃
1991 VF ₄	13.0	970601	207.29871	263.88994	88.36997	7.14652	0.1470253	2.4340368	32	9	1968-1997	0.74	M-v	2	Williams	28615	1991 VF ₄
1991 VO ₇	16.0	970601	38.83252	352.27624	131.59206	2.06290	0.1053466	2.6337190	21	3	1991-1997	0.45	M-v	4	Williams	26171	1991 VO ₇
1991 WA	17.0	970601	314.12281	241.76365	66.75079	39.65287	0.6426860	1.5752640	119	5	1991-1997	0.71	M-v	3	Marsden	29135	1991 WA
1991 YV	12.5	970601	89.45755	2.19194	109.43821	13.97800	0.1005918	2.6155095	15	4	1989-1997	0.57	M-v	2	Williams	27712	1991 YV
1992 BF ₄	14.0	970601	41.69429	76.28928	39.24458	2.35818	0.0287483	2.8680277	26	4	1978-1997	0.54	M-v	2	Williams	29317	1992 BF ₄
1992 BB ₅	12.5	970601	34.47347	316.68696	101.57200	6.89079	0.2014620	3.1921099	21	5	1979-1997	0.60	M-v	1	Williams	29317	1992 BB ₅
1992 CC ₁	15.5	970601	191.09832	21.89209	349.30754	36.89494	0.3750184	1.3915021	133	4	1992-1997	0.59	M-v	2	Williams	29317	1992 CC ₁
1992 CP ₂	13.5	970601	272.84378	65.55798	197.85496	5.86853	0.0103020	2.7861644	22	3	1992-1997	0.66	M-v	4	Williams	26421	1992 CP ₂
1992 DC ₃	13.0	970601	125.29819	234.69921	158.98891	2.44910	0.0914650	2.9684950	25	3	1992-1997	0.56	M-v	4	Williams	29317	1992 DC ₃
1992 DE ₄	14.5	970601	201.98119	225.73268	141.52508	1.69813	0.1877529	2.7326965	31	7	1976-1997	0.72	M-v	2	Williams	27935	1992 DE ₄
1992 DS ₆	12.0	970601	313.35490	294.37370	0.26922	8.31449	0.2687356	2.7337746	11	4	1979-1997	0.67	M-v	2	Williams	29099	1992 DS ₆
1992 DQ ₁₀	14.0	970601	28.45103	38.96277	274.33600	3.54950	0.1899153	2.3216570	14	5	1986-1994	0.75	M-v	2	Williams	25538	1992 DQ ₁₀
1992 EE	14.0	970601	136.47663	216.54769	352.48531	6.48536	0.1663897	2.3435281	18	2	1992-1993	0.89	M-v	5	Williams	23790	1992 EE
1992 EF ₂	14.0	970601	83.94378	82.92540	156.70926	12.18622	0.1723986	2.4175860	45	4	1988-1996	0.81	M-v	3	Williams	27326	1992 EF ₂
1992 ER ₆	12.5	970601	242.03587	210.56956	58.22929	5.83076	0.1109753	3.1591884	19	3	1992-1995	0.52	M-v	3	Williams	26580	1992 ER ₆
1992 EE ₇	12.5	970601	235.27426	161.27463	130.66938	12.15110	0.0911424	3.0450693	22	2	1992-1997	0.50	M-v	4	Williams	28847	1992 EE ₇
1992 EQ ₈	12.5	970601	177.18288	270.57539	91.49762	3.34398	0.0790904	2.8945860	36	8	1950-1997	0.92	M-v	2	Williams	29135	1992 EQ ₈
1992 EN ₉	12.0	970601	101.26657	239.70557	151.59348	2.56273	0.1677331	3.0545775	25	4	1990-1997	0.59	M-v	2	Williams	29317	1992 EN ₉
1992 EB ₁₃	14.0	970601	8.90905	6.78867	306.81986	4.10246	0.1239893	2.3811563	12	3	1986-1995	0.60	M-v	4	Williams	25650	1992 EB ₁₃
1992 FS	12.5	970601	335.12347	245.69936	36.34086	5.71709	0.1404611	2.7228238	22	6	1951-1996	0.82	M-v	1	Williams	29135	1992 FS
1992 FV ₁	12.5	970601	76.20759	167.70259	46.76323	8.58073	0.1688424	2.5875124	14	5	1942-1994	0.80	M-v	2	Williams	28847	1992 FV ₁
1992 FO ₃	15.0	970601	20.07916	203.30706	185.03976	1.23186	0.0420869	2.1654385	14	5	1982-1996	0.84	M-v	2	Williams	28615	1992 FO ₃
1992 GH	14.0	970601	217.20762	7.43585	352.00043	19.23229	0.0763161	1.8616367	30	5	1982-1997	0.63	M-v	2	Williams	21977	1992 GH
1992 GA ₄	13.0	970601	293.93559	88.01059	158.06568	1.41926	0.0987023	3.2085278	45	4	1991-1997	0.45	M-v	1	Marsden	29317	1992 GA ₄
1992 HX	14.0	970601	261.43722	273.66937	50.04984	1.51424	0.2018657	3.0398624	26	4	1972-1997	0.96	M-v	2	Williams	27729	1992 HX
1992 HK ₁	13.5	970601	247.45635	298.99089	39.68939	2.70571	0.0653643	2.9072970	32	7	1969-1997	0.80	M-v	1	Williams	29317	1992 HK ₁
1992 HA ₅	12.0	970601	234.41473	236.58912	88.36721	2.13123	0.1667036	3.1923725	28	7	1953-1994	0.73	M-v	1	Williams	29136	1992 HA ₅
1992 JQ	13.5	970601	63.33401	54.50220	184.70558	12.33681	0.1823178	2.6198162	30	3	1992-1996	0.71	M-v	3	Williams	27567	1992 JQ
1992 OO ₁	13.0	970601	178.89983	62.09433	138.23512	14.82078	0.0132249	2.5548036	26	2	1991-1992	0.83	M-v	4	Williams	22273	1992 OO ₁
1992 OX ₁	14.0	970601	65.08955	268.32731	136.83330	7.70032	0.0934985	2.2782351	30	3	1989-1996	0.60	M-v	3	Williams	28886	1992 OX ₁
1992 OG ₂	13.5	970601	324.19385	281.03035	130.51793	5.24641	0.1332145	2.6386445	25	8	1954-1996	0.89	M-v	2	Williams	27455	1992 OG ₂
1992 OY ₂	14.0	970601	58.40579	227.58918	134.27219	4.56694	0.1941049	2.4607886	22	2	1989-1992	0.87	M-v	5	Williams	21977	1992 OY ₂
1992 OB ₉	13.0	970601	32.80498	171.33951	116.09851	12.00490	0.1822213	2.7626324	27	4	1950-1992	0.66	M-v	4	Williams	21583	1992 OB ₉
1992 PJ	15.0	970601	246.13775	336.19194	270.46152	2.89010	0.0788398	2.1664438	18	3	1979-1996	0.59	M-v	4	Williams	28847	1992 PJ
1992 PX	14.0	970601	78.41376	210.35826	161.56773	4.54061	0.1277096	2.3506910	31	3	1980-1996	0.93	M-v	3	Williams	28886	1992 PX
1992 PY	14.0	970601	77.95087	83.59471	311.75312	21.38052	0.2953927	2.3423310	31	4	1985-1997	0.67	M-v	1	Williams	29317	1992 PY
1992 PV ₁	14.5	970601	139.57247	176.06577	151.93708	4.44116	0.1736408	2.2729771	28	3	1992-1997	0.66	M-v	3	Williams	29317	1992 PV ₁
1992 PA ₂	15.5	970601	128.74791	42.07531	307.24855	5.67923	0.2166980	2.2619635	26	2	1992-1994	0.87	M-v	4	Williams	23350	1992 PA ₂
1992 PU ₃	15.0	970601	145.79566	247.70775	85.05831	2.11597	0.1624438	2.2500764	41	4	1972-1997	0.56	M-v	3	Williams	29100	1992 PU ₃
1992 RX ₆	13.0	970601	288.93004	21.86912	8.44231	9.51780	0.0947282	3.0458251	19	3	1990-1995	0.57	M-v	3	Williams	26758	1992 RX ₆
1992 ST	14.0	970601	36.35728	16.09287	30.94927	8.17181	0.3917979	2.5563078	39	3	1988-1996	0.65	M-v	2	Williams	28086	1992 ST
1992 SU	12.0	970601	289.21800	263.29296	176.61107	17.58485	0.2675298	2.9764294	27	5	1989-1996	0.73	M-v	1	Williams	27567	1992 SU
1992 SU ₁₄	12.0	970601	341.00761	80.39635	354.19929	14.52776	0.1484968	2.7245080	23	3	1989-1996	0.70	M-v	3	Williams	28317	1992 SU ₁₄
1992 SS ₁₆	15.5	970601	190.67672	134.24499	207.59949	0.61341	0.0494015	2.1543571	23	3	1992-1997	0.64	M-v	5	Williams	29317	1992 SS ₁₆
1992 SC ₂₄	13.5	970601	65.09525	168.19040	237.22537	6.10722	0.1211815	2.3843216	18	6	1981-1997	0.76	M-v	2	Williams	28887	1992 SC ₂₄

1992 SK ₂₆	14.5	970601	57.02209	211.78969	167.50014	4.54266	0.1601729	2.5421054	16	3	1980-1996	0.55	M-v	4	Williams	29136	1992 SK ₂₆
1992 SP ₂₆	14.5	970601	103.36050	275.57960	84.21550	4.03356	0.1899124	2.4135396	26	4	1988-1996	0.67	M-v	3	Williams	29136	1992 SP ₂₆
1992 SQ ₂₆	14.5	970601	29.68583	285.37845	109.56679	4.06961	0.1338027	2.6117247	28	4	1977-1996	0.70	M-v	2	Williams	28317	1992 SQ ₂₆
1992 UQ	13.0	970601	137.25630	111.86784	174.49352	4.58315	0.1517211	2.5305796	50	7	1980-1996	0.89	M-v	2	Williams	29136	1992 UQ
1992 UT ₁	13.0	970601	136.54242	211.47043	83.11346	4.59604	0.1461483	2.5199486	17	4	1988-1996	0.85	M-v	4	Williams	28586	1992 UT ₁
1992 UZ ₁	14.0	970601	82.09419	74.88631	308.63170	5.50129	0.1534975	2.4446811	38	3	1931-1997	0.59	M-v	4	Williams	28586	1992 UZ ₁
1992 UM ₂	14.5	970601	122.33106	293.47548	70.23304	4.79177	0.1719148	2.3448306	14	4	1949-1992	0.73	M-v	2	Williams	23674	1992 UM ₂
1992 UN ₂	14.5	970601	82.18727	358.88812	50.31477	3.03767	0.1981360	2.3873689	20	2	1988-1992	0.71	M-v	4	Williams	28848	1992 UN ₂
1992 UU ₂	13.5	970601	116.55254	324.56765	73.92819	6.30368	0.1850725	2.2644918	26	5	1975-1997	0.68	M-v	2	Williams	29317	1992 UU ₂
1992 UY ₂	14.5	970601	101.69780	211.81269	205.43808	4.97318	0.0742763	2.2956309	32	4	1988-1997	0.69	M-v	3	Williams	29317	1992 UY ₂
1992 UZ ₂	13.0	970601	329.45727	338.18566	70.18980	3.12558	0.0694388	2.8990906	29	6	1955-1996	0.81	M-v	1	Williams	29136	1992 UZ ₂
1992 UA ₃	13.5	970601	26.80493	352.61067	44.58119	3.94404	0.0983642	2.6567260	27	3	1992-1996	0.91	M-v	4	Williams	28317	1992 UA ₃
1992 UD ₃	13.5	970601	82.57301	180.56671	230.36475	8.15451	0.1566379	2.3747488	21	5	1955-1997	0.96	M-v	2	Williams	28887	1992 UD ₃
1992 UE ₃	13.0	970601	325.15834	326.27346	87.93625	3.09143	0.0679828	2.8523839	18	4	1983-1995	0.54	M-v	2	Williams	27936	1992 UE ₃
1992 UG ₃	13.0	970601	323.31567	256.18859	151.84016	2.56311	0.0673423	2.8973369	19	3	1984-1992	0.86	M-v	6	Williams	27914	1992 UG ₃
1992 UH ₃	14.5	970601	132.04283	41.67471	13.01134	5.98715	0.1110312	2.1866799	25	4	1979-1997	0.84	M-v	2	Williams	26758	1992 UH ₃
1992 UM ₃	12.0	970601	251.61201	232.34682	239.60514	9.07278	0.0644283	3.0189542	35	3	1992-1995	0.65	M-v	3	Williams	25441	1992 UM ₃
1992 UO ₃	13.0	970601	97.83214	294.65498	30.18224	12.47603	0.1833360	2.5789585	46	5	1984-1996	0.78	M-v	3	Williams	28616	1992 UO ₃
1992 UT ₃	13.5	970601	89.62473	18.35993	58.54312	6.20985	0.1372754	2.3000746	26	6	1955-1997	0.77	M-v	2	Williams	29136	1992 UT ₃
1992 UY ₃	14.0	970601	170.05421	312.91387	29.24740	5.16092	0.1848824	2.2575100	32	7	1975-1997	0.81	M-v	2	Williams	29136	1992 UY ₃
1992 UZ ₃	13.0	970601	337.67147	359.61341	11.30580	2.33174	0.2171105	3.0109714	15	3	1971-1992	0.89	M-v	3	Williams	21275	1992 UZ ₃
1992 UE ₄	14.5	970601	86.61909	313.77484	90.88788	3.74095	0.2382712	2.3804214	17	3	1981-1997	0.45	M-v	3	Williams	29317	1992 UE ₄
1992 UK ₅	13.5	970601	179.17784	250.44338	53.41694	5.15799	0.2604533	2.3250986	21	4	1974-1994	0.77	M-v	2	Williams	23247	1992 UK ₅
1992 UU ₅	14.5	970601	98.78798	347.03596	71.35165	3.24537	0.2275778	2.3175280	20	2	1985-1992	0.88	M-v	4	Williams	28300	1992 UU ₅
1992 UH ₆	13.5	970601	172.88331	292.28768	64.79570	6.23770	0.1949686	2.2201996	21	3	1992-1997	0.61	M-v	4	Williams	29317	1992 UH ₆
1992 UP ₆	12.0	970601	345.33849	154.08504	218.67238	12.80878	0.1610841	2.9731143	16	3	1982-1992	1.00	M-v	4	Williams	27729	1992 UP ₆
1992 VR	14.5	970601	70.66452	218.59203	179.61886	1.74630	0.1603147	2.4667892	28	3	1988-1996	0.74	M-v	4	Williams	28887	1992 VR
1992 WH	13.5	970601	180.51427	76.06992	234.39416	5.20300	0.1269578	2.3545848	12	2	1981-1992	0.51	M-v	5	Williams	22237	1992 WH
1992 WL	12.0	970601	242.85822	79.06651	46.63565	10.77981	0.0412231	3.0215782	19	3	1954-1994	0.81	M-v	3	Williams	24119	1992 WL
1992 WH ₁	13.0	970601	113.49838	238.51462	128.01231	6.93377	0.1575721	2.4067477	28	7	1955-1997	0.68	M-v	1	Williams	25441	1992 WH ₁
1992 WU ₁	14.5	970601	43.09423	164.95005	231.38802	5.22237	0.3434901	2.5896929	11	4	1946-1996	0.86	M-v	2	Williams	28887	1992 WU ₁
1992 WY ₁	14.0	970601	69.03701	96.23031	0.58477	3.28696	0.0873311	2.3102683	22	4	1988-1997	0.59	M-v	1	Williams	28887	1992 WY ₁
1992 WC ₂	13.0	970601	302.78825	326.21226	76.08749	0.37464	0.1701725	3.1466339	27	5	1964-1994	0.73	M-v	2	Williams	25082	1992 WC ₂
1992 WX ₂	13.5	970601	321.58828	283.76629	205.61668	3.26299	0.1196430	2.6291648	42	6	1958-1996	0.76	M-v	1	Williams	28086	1992 WX ₂
1992 WT ₃	14.5	970601	58.77882	336.21864	94.13393	7.48257	0.2217929	2.4472330	17	3	1988-1996	0.61	M-v	4	Williams	28849	1992 WT ₃
1992 WO ₅	13.5	970601	134.40230	285.25111	98.24173	4.12368	0.0348004	2.3327965	25	4	1988-1997	0.70	M-v	2	Williams	28849	1992 WO ₅
1992 WP ₅	13.5	970601	308.45148	145.10554	104.52138	3.43538	0.0690524	2.2121444	35	5	1988-1997	0.93	M-v	2	Williams	29136	1992 WP ₅
1992 WD ₈	13.5	970601	19.10973	197.46301	295.99610	24.45992	0.2326696	2.4538983	31	3	1951-1997	0.69	M-v	3	Williams	28849	1992 WD ₈
1992 WH ₈	14.5	970601	221.75856	329.01728	2.38160	1.00568	0.1103863	2.1632543	28	4	1976-1995	0.95	M-v	3	Williams	26190	1992 WH ₈
1992 YB	14.0	970601	130.32704	257.70785	143.45583	6.38685	0.1057903	2.3398786	29	3	1988-1997	0.62	M-v	3	Williams	29317	1992 YB
1992 YS	14.0	970601	153.37651	249.08809	116.22916	4.80801	0.1611712	2.3079413	20	4	1983-1997	0.70	M-v	2	Williams	29136	1992 YS
1992 YA ₁	14.0	970601	93.00544	245.58704	172.14174	2.19171	0.1931123	2.3713383	18	2	1992-1997	0.75	M-v	5	Williams	29102	1992 YA ₁
1992 YC ₂	14.5	970601	57.52951	105.31072	287.15692	1.62662	0.2197159	2.6204263	20	3	1989-1997	0.84	M-v	5	Williams	29136	1992 YC ₂
1993 BT ₂	13.0	970601	341.99629	195.60631	329.11271	5.43004	0.2090507	2.6345400	17	4	1955-1997	0.61	M-v	2	Williams	28850	1993 BT ₂
1993 BN ₃	14.5	970601	282.82708	276.35833	32.31874	7.09545	0.1499639	2.3028741	22	3	1977-1997	0.52	M-v	5	Williams	21947	1993 BN ₃
1993 BP ₃	13.5	970601	93.33511	136.24141	327.84365	24.18619	0.1908113	2.3721331	19	4	1951-1997	0.77	M-v	2	Williams	28887	1993 BP ₃
1993 BB ₆	13.0	970601	101.55900	347.57641	358.40830	1.65119	0.0469344	2.9182112	25	5	1981-1996	0.73	M-v	1	Williams	28616	1993 BB ₆
1993 BH ₈	13.0	970601	320.06629	107.29606	120.63519	8.14196	0.1245382	2.4354614	26	2	1993-1997	0.46	M-v	4	Williams	29102	1993 BH ₈
1993 BM ₁₂	13.5	970601	3.36675	229.03287	322.47195	1.79641	0.1270178	2.4315543	39	6	1974-1997	0.81	M-v	2	Williams	29317	1993 BM ₁₂
1993 CJ ₁	13.5	970601	27.55470	345.49094	161.80942	13.38938	0.0999828	2.5667344	26	4	1989-1997	0.66	M-v	3	Williams	29136	1993 CJ ₁
1993 DD ₂	12.5	970601	93.38610	65.95875	14.18449	14.83964	0.0680661	2.5829791	26	3	1993-1997	0.64	M-v	3	Williams	29136	1993 DD ₂
1993 EP	13.0	970601	15.93063	178.88606	345.24206	12.82268	0.1256002	2.5892060	29	3	1993-1997	0.60	M-v	3	Williams	29136	1993 EP

1993 FN	15.0	970601	55.83455	118.13801	6.53032	10.72896	0.2158506	2.5322264	31	3	1993-1997	0.64	M-v	3	Williams	26758	1993 FN
1993 FB ₁	13.0	970601	341.20774	160.32719	65.97653	8.62905	0.1452017	2.5697446	27	3	1993-1995	0.55	M-v	3	Williams	26190	1993 FB ₁
1993 FN ₁	12.5	970601	272.32424	142.32825	147.39586	8.86105	0.1895036	2.6040112	25	5	1952-1994	0.71	M-v	2	Williams	24408	1993 FN ₁
1993 FO ₁	12.5	970601	229.60016	308.07074	49.58194	7.87749	0.1328909	2.4002975	20	4	1986-1993	0.82	M-v	3	Williams	22240	1993 FO ₁
1993 FU ₇	15.0	970601	291.51411	223.84510	98.79174	3.36699	0.2299483	2.3782092	21	3	1993-1997	0.61	M-v	3	Williams	28588	1993 FU ₇
1993 FB ₁₀	13.0	970601	208.11057	250.71838	119.06528	3.49153	0.1915707	2.4448801	17	4	1993-1997	0.56	M-v	1	Williams	26903	1993 FB ₁₀
1993 FJ ₁₀	12.0	970601	45.33834	16.42161	67.82238	2.98225	0.0431847	2.8830566	18	5	1981-1997	0.66	M-v	1	Williams	28887	1993 FJ ₁₀
1993 FJ ₁₆	13.5	970601	297.54490	267.38833	77.01528	4.05678	0.2057751	2.2691466	13	5	1977-1994	0.50	M-v	2	Williams	28588	1993 FJ ₁₆
1993 FN ₁₆	13.0	970601	229.05786	166.23162	130.78077	5.07645	0.0695643	2.7692620	18	2	1993-1997	0.59	M-v	5	Williams	29103	1993 FN ₁₆
1993 FB ₁₈	14.0	970601	346.56813	205.22594	95.58760	4.48518	0.1552598	2.2679207	14	4	1987-1996	0.74	M-v	2	Williams	27326	1993 FB ₁₈
1993 FN ₂₀	14.0	970601	107.93491	130.30314	276.64906	1.75170	0.0821569	2.7188806	18	3	1993-1997	0.70	M-v	4	Williams	29137	1993 FN ₂₀
1993 FZ ₂₁	14.5	970601	47.22539	143.28205	1.48401	3.07076	0.1014092	2.5603388	20	2	1993-1997	0.48	M-v	5	Williams	29300	1993 FZ ₂₁
1993 FG ₂₄	12.0	970601	196.93937	92.33198	194.80110	9.93197	0.0979341	3.0409356	27	6	1953-1996	0.85	M-v	1	Williams	28887	1993 FG ₂₄
1993 FF ₂₆	14.5	970601	218.26845	74.36060	342.11651	4.32045	0.1322564	2.2091467	12	3	1988-1993	0.97	M-v	4	Williams	23525	1993 FF ₂₆
1993 FN ₂₈	15.0	970601	9.51748	196.97146	339.51363	4.01613	0.2171202	2.5841238	15	2	1993-1997	0.74	M-v	5	Williams	29300	1993 FN ₂₈
1993 FV ₃₁	13.5	970601	84.83135	32.24024	107.23520	3.31704	0.0413430	2.4328130	32	3	1993-1997	0.77	M-v	2	Williams	27326	1993 FV ₃₁
1993 FT ₃₂	12.5	970601	104.96906	292.50888	89.75139	3.14323	0.0865503	2.9403487	14	5	1975-1997	0.79	M-v	2	Williams	29317	1993 FT ₃₂
1993 FU ₃₃	13.0	970601	10.12362	88.59951	55.10730	4.63727	0.0904783	2.7541558	24	5	1970-1997	0.59	M-v	1	Williams	29137	1993 FU ₃₃
1993 FZ ₃₆	13.5	970601	131.43298	47.31965	39.11231	2.70922	0.1681201	2.3913413	25	4	1991-1997	0.63	M-v	2	Williams	26421	1993 FZ ₃₆
1993 FZ ₄₁	13.5	970601	41.70324	129.12677	6.96675	14.00165	0.1110803	2.5995571	15	2	1993-1997	0.40	M-v	5	Williams	29300	1993 FZ ₄₁
1993 FE ₅₉	13.5	970601	213.46607	351.19602	1.25285	10.42285	0.3102319	2.5345969	25	5	1938-1997	0.58	M-v	3	Williams	29301	1993 FE ₅₉
1993 GL	12.5	970601	261.82402	205.81063	48.88553	2.74958	0.0286997	2.8673569	19	3	1985-1997	0.75	M-v	5	Williams	29103	1993 GL
1993 GO	13.0	970601	18.25331	143.43603	57.98097	13.54777	0.1844030	2.5381718	35	5	1985-1997	0.75	M-v	3	Williams	26421	1993 GO
1993 HF	13.0	970601	7.21492	320.85527	240.64559	9.87020	0.1346884	2.5314181	16	6	1985-1997	0.83	M-v	2	Williams	28616	1993 HF
1993 HH ₁	14.0	970601	57.39471	294.56145	292.65467	0.76171	0.1650076	2.2915704	18	2	1993-1996	0.61	M-v	5	Williams	26743	1993 HH ₁
1993 HM ₁	13.5	970601	347.05998	76.67100	131.73239	15.68161	0.1433294	2.6511954	30	6	1950-1997	0.86	M-v	1	Williams	27730	1993 HM ₁
1993 HW ₁	13.0	970601	36.11023	176.90372	76.06123	12.51727	0.2051808	2.2994553	17	3	1989-1996	0.62	M-v	3	Williams	28887	1993 HW ₁
1993 JL	12.0	970601	336.89196	165.96058	78.48635	14.97218	0.1325355	2.5929387	24	5	1968-1997	0.64	M-v	2	Williams	26759	1993 JL
1993 KH	19.0	970601	261.87634	293.59520	54.53033	12.80824	0.3111319	1.2338165	31	3	1993-1997	0.76	M-v	2	Marsden	29301	1993 KH
1993 OZ ₂	14.5	970601	251.22501	247.58492	117.52604	21.75608	0.4348993	2.9917259	46	4	1993-1997	0.73	M-v	2	Williams	27121	1993 OZ ₂
1993 OB ₁₃	14.0	970601	279.85477	112.44606	174.95684	2.16629	0.0912001	2.9448331	27	3	1993-1997	0.67	M-v	4	Williams	29318	1993 OB ₁₃
1993 PZ ₂	12.0	970601	162.43448	119.99559	220.94355	4.84835	0.2636764	3.9424660	24	6	1978-1994	0.75	M-v	1	Williams	27936	1993 PZ ₂
1993 PW ₇	13.5	970601	314.11124	340.13536	330.37169	2.80090	0.1562111	2.7717272	28	5	1984-1996	0.88	M-v	2	Williams	29137	1993 PW ₇
1993 QD ₃	13.0	970601	143.35622	296.61841	162.65489	9.99594	0.0606363	3.0645910	16	2	1993-1996	0.66	M-v	4	Williams	27106	1993 QD ₃
1993 QR ₄	13.5	970601	212.36210	97.41022	12.39924	3.53304	0.0788163	2.5685338	22	3	1989-1993	0.85	M-v	4	Williams	28851	1993 QR ₄
1993 QV ₄	14.0	970601	192.20899	63.06836	14.34852	1.85988	0.0244051	2.8569267	16	2	1988-1993	0.65	M-v	6	Williams	28851	1993 QV ₄
1993 SK ₃	13.0	970601	181.37337	128.51582	311.13173	2.26955	0.2744127	3.2377447	25	4	1982-1995	0.63	M-v	2	Williams	25228	1993 SK ₃
1993 ST ₄	14.5	970601	105.18185	193.43775	57.58990	1.00458	0.0278617	2.3498581	20	4	1974-1993	0.71	M-v	2	Williams	23791	1993 ST ₄
1993 TP ₂₆	13.5	970601	67.50811	68.40682	122.55186	3.32375	0.0998583	3.1565299	21	5	1977-1996	0.96	M-v	2	Williams	27455	1993 TP ₂₆
1993 TU ₃₈	13.5	970601	213.15232	358.78138	98.55707	5.52754	0.0248931	2.8014064	22	4	1988-1995	0.64	M-v	1	Williams	29137	1993 TU ₃₈
1993 VX	12.5	970601	274.71421	336.55741	90.97121	7.87914	0.1432835	2.7844929	54	6	1955-1996	0.48	M-v	1	Williams	27456	1993 VX
1993 VM ₁	14.0	970601	109.42134	264.97878	170.62758	23.14634	0.1401131	1.9099904	53	4	1990-1997	0.58	M-v	2	Williams	29318	1993 VM ₁
1993 VX ₃	13.5	970601	15.29290	196.92271	239.70015	4.54823	0.0989573	2.2098945	18	3	1953-1994	0.99	M-v	4	Williams	23126	1993 VX ₃
1993 XN ₂	16.5	970601	68.18580	312.86896	59.74478	25.38022	0.5352214	2.1184570	98	3	1993-1997	0.56	M-v	1	Williams	29318	1993 XN ₂
1994 AE ₁₁	15.0	970601	358.63155	347.34947	77.76527	4.73394	0.1484667	2.4814204	17	5	1951-1994	0.80	M-v	2	Williams	25083	1994 AE ₁₁
1994 BS ₄	14.5	970601	69.12288	342.90549	73.86989	2.47026	0.0221845	2.2736646	37	4	1989-1997	0.60	M-v	1	Williams	29318	1994 BS ₄
1994 CJ ₂	14.0	970601	233.27091	84.75420	130.98202	7.66893	0.1374477	2.5647395	19	3	1991-1994	0.86	M-v	4	Williams	24584	1994 CJ ₂
1994 CM ₂	13.5	970601	60.16676	132.25122	295.47425	6.46350	0.0417444	2.2676260	32	6	1951-1997	0.75	M-v	2	Williams	29137	1994 CM ₂
1994 DS	14.0	970601	54.46847	32.69799	52.35357	4.50597	0.1116468	2.2678402	19	5	1954-1997	0.90	M-v	2	Williams	24584	1994 DS
1994 EJ ₁	12.5	970601	359.62978	263.49045	179.83240	21.82178	0.0687775	2.6634368	15	4	1987-1996	0.75	M-v	2	Williams	28318	1994 EJ ₁
1994 EL ₁	13.5	970601	95.20369	317.46182	112.82284	4.93191	0.1384825	2.1886624	28	2	1994-1997	0.78	M-v	5	Williams	29104	1994 EL ₁
1994 EQ ₁	14.0	970601	40.86973	296.09065	173.86155	3.80884	0.1106232	2.2656970	17	4	1982-1996	0.68	M-v	3	Williams	28617	1994 EQ ₁

1994 EO ₂	14.0	970601	37.64474	77.31745	4.49762	23.08896	0.2846346	2.2962885	33	5	1975-1997	0.88	M-v	3	Williams	28617	1994 EO ₂
1994 EG ₆	14.0	970601	186.39128	212.78274	118.16378	6.17818	0.1983683	2.2457012	28	6	1985-1997	0.82	M-v	2	Williams	29137	1994 EG ₆
1994 EH ₇	13.5	970601	168.74874	275.06862	10.66221	12.83118	0.1654755	2.6407530	13	3	1990-1994	0.58	M-v	3	Williams	24112	1994 EH ₇
1994 FP	15.0	970601	1.84576	90.83789	6.21403	22.58029	0.2882546	2.4003472	26	2	1994-1996	0.79	M-v	4	Williams	28617	1994 FP
1994 GF	14.5	970601	346.51983	100.46709	107.08248	3.64784	0.0578599	2.1890026	45	3	1992-1995	0.80	M-v	3	Williams	26191	1994 GF
1994 GA ₁	13.5	970601	263.94062	206.96710	85.82651	4.81952	0.1632231	2.2413081	14	5	1974-1997	1.10	M-v	2	Williams	29104	1994 GA ₁
1994 GF ₉	14.0	970601	279.82278	198.68672	25.59622	2.62272	0.1524161	2.3965222	25	7	1955-1994	0.83	M-v	2	Williams	27730	1994 GF ₉
1994 GL ₉	14.5	970601	333.62619	332.58512	224.94436	3.50419	0.1006584	2.2830651	17	4	1989-1995	0.62	M-v	3	Williams	26191	1994 GL ₉
1994 GW ₁₀	14.0	970601	330.44369	97.56442	62.05149	7.71084	0.1872506	2.4378797	14	2	1994-1996	0.55	M-v	5	Williams	28853	1994 GW ₁₀
1994 JT	15.5	970601	68.14781	306.56041	169.13122	7.32243	0.0522733	2.2800557	29	3	1994-1997	0.34	M-v	3	Williams	29318	1994 JT
1994 LL	13.0	970601	322.81931	19.24292	148.93545	27.18199	0.0620425	2.7010653	27	3	1994-1997	0.65	M-v	3	Williams	29137	1994 LL
1994 LK ₁	12.0	970601	221.19492	180.88513	129.17618	15.88231	0.1268543	2.5655429	16	3	1993-1997	0.53	M-v	4	Williams	28853	1994 LK ₁
1994 NC	13.0	970601	153.76738	236.74733	165.97807	11.97448	0.1778112	2.6877792	46	4	1981-1997	0.58	M-v	1	Williams	27937	1994 NC
1994 NJ ₁	14.5	970601	276.11631	83.74218	224.20268	1.50063	0.2180393	2.3655448	21	5	1976-1997	0.81	M-v	2	Williams	29318	1994 NJ ₁
1994 NR ₁	12.0	970601	80.03514	302.79035	133.04810	11.45367	0.1903438	2.9951297	28	2	1994-1997	0.77	M-v	5	Williams	29318	1994 NR ₁
1994 NW ₁	13.0	970601	303.01951	88.77936	132.87466	6.60188	0.2445182	2.5657823	14	3	1989-1994	0.74	M-v	3	Williams	28617	1994 NW ₁
1994 PL ₉	12.5	970601	136.56118	48.26851	332.63231	10.15256	0.0820199	3.1724180	22	2	1994-1997	0.70	M-v	4	Williams	29302	1994 PL ₉
1994 PE ₁₀	12.0	970601	22.53893	354.42144	141.41594	1.85571	0.1655508	3.1756126	28	4	1989-1997	0.62	M-v	1	Williams	25218	1994 PE ₁₀
1994 PB ₁₄	13.5	970601	71.20415	320.77946	171.65727	5.34954	0.0649120	2.7146407	22	4	1979-1997	0.86	M-v	2	Williams	24748	1994 PB ₁₄
1994 PC ₁₅	14.5	970601	325.44268	80.66550	160.06471	13.45269	0.1387380	2.5491838	17	3	1990-1994	0.60	M-v	3	Williams	25219	1994 PC ₁₅
1994 PV ₁₆	13.5	970601	289.03383	277.97864	347.08085	3.18013	0.0518635	2.7194181	18	5	1981-1997	0.89	M-v	1	Williams	28888	1994 PV ₁₆
1994 PH ₁₈	16.0	970601	354.43992	73.23386	166.78201	2.52454	0.1682050	2.3550998	27	3	1991-1997	0.66	M-v	4	Williams	25219	1994 PH ₁₈
1994 PJ ₂₀	14.0	970601	257.10521	21.88273	267.11240	0.98768	0.0372054	2.8343311	24	3	1994-1997	0.80	M-v	4	Williams	26565	1994 PJ ₂₀
1994 PP ₂₆	14.5	970601	335.02632	218.36352	23.99594	2.83008	0.1528064	2.4301159	23	3	1993-1997	0.83	M-v	3	Williams	29138	1994 PP ₂₆
1994 PR ₂₇	13.5	970601	54.01644	129.49424	10.40878	4.70007	0.0560512	2.7385036	40	4	1981-1997	0.68	M-v	2	Williams	29318	1994 PR ₂₇
1994 PC ₃₉	13.5	970601	0.38732	300.43835	259.14306	2.32260	0.1037577	2.6016053	30	4	1993-1997	0.85	M-v	2	Williams	29138	1994 PC ₃₉
1994 QC	19.0	970601	355.04486	94.17516	162.60225	13.87118	0.1179085	1.3243679	123	2	1994-1997	0.65	M-v	3	Williams	29318	1994 QC
1994 QQ	13.0	970601	285.92434	265.52115	342.13387	9.94783	0.0960987	2.8754274	37	2	1994-1997	0.74	M-v	4	Williams	29105	1994 QQ
1994 RQ	14.0	970601	229.84495	342.65051	37.55257	1.81721	0.2154601	2.4871961	24	6	1980-1996	0.74	M-v	2	Williams	26905	1994 RQ
1994 RC ₁	12.5	970601	158.06749	192.72778	192.63470	9.38663	0.2234485	3.1512581	21	6	1977-1997	0.86	M-v	1	Williams	28318	1994 RC ₁
1994 RX ₁	12.5	970601	312.35525	92.58648	172.17565	22.23202	0.2265064	2.3746279	36	5	1954-1997	0.75	M-v	1	Williams	29318	1994 RX ₁
1994 SE	16.0	970601	272.52921	274.15933	61.65996	8.08987	0.4091254	2.3415203	51	4	1976-1997	0.57	M-v	2	Williams	28617	1994 SE
1994 SO ₅	15.0	970601	276.26790	164.17628	130.29218	0.99617	0.0409654	2.7848562	20	4	1992-1997	0.51	M-v	1	Williams	26581	1994 SO ₅
1994 SF ₁₂	14.5	970601	250.55877	236.19938	86.74865	1.29955	0.0801578	2.7433995	23	3	1994-1997	0.67	M-v	5	Williams	27917	1994 SF ₁₂
1994 TD	13.5	970601	131.39597	259.02940	179.45469	4.16406	0.0490939	3.0347222	26	3	1994-1997	0.79	M-v	4	Williams	26759	1994 TD
1994 TU ₁	14.5	970601	308.62045	357.58899	331.60537	6.87079	0.1441031	2.3531288	44	3	1990-1996	0.79	M-v	4	Williams	29138	1994 TU ₁
1994 TH ₂	12.0	970601	239.41331	187.77062	105.90301	2.52997	0.1284197	3.1395061	25	6	1978-1997	0.87	M-v	2	Williams	28888	1994 TH ₂
1994 TE ₃	13.5	970601	200.31538	182.70305	187.84184	1.67180	0.1192202	2.9407680	22	4	1989-1997	0.72	M-v	3	Williams	25084	1994 TE ₃
1994 TK ₃	13.0	970601	270.74729	203.58688	111.74673	3.22020	0.0538739	2.8816411	49	5	1954-1997	0.73	M-v	1	Williams	26759	1994 TK ₃
1994 TM ₁₄	13.5	970601	206.25600	252.53925	198.49754	6.10495	0.0666820	2.3594502	27	3	1985-1994	0.56	M-v	4	Williams	24409	1994 TM ₁₄
1994 UH	14.0	970601	254.57784	314.84930	117.82236	2.25015	0.1084530	2.2683543	28	4	1955-1996	0.61	M-v	3	Williams	27731	1994 UH
1994 UJ	14.5	970601	310.44902	288.90361	70.23140	3.87150	0.1835145	2.2563435	12	2	1987-1994	0.33	M-v	5	Williams	24398	1994 UJ
1994 UD ₁	13.5	970601	169.19161	331.68691	47.50078	2.11974	0.2354390	3.2881451	44	5	1976-1997	0.73	M-v	3	Williams	29318	1994 UD ₁
1994 UK ₁	12.5	970601	267.73012	294.28767	9.31635	5.49373	0.2858527	2.7504668	15	2	1994-1997	0.66	M-v	5	Williams	29302	1994 UK ₁
1994 VY	14.5	970601	15.10634	291.98829	256.19338	8.81292	0.0299767	2.9686412	28	3	1994-1997	0.39	M-v	3	Williams	29318	1994 VY
1994 VC ₁	13.5	970601	239.58665	345.68426	20.39366	3.69013	0.2162092	2.7135473	38	4	1976-1997	0.59	M-v	2	Williams	28889	1994 VC ₁
1994 VR ₆	13.5	970601	233.02154	280.93516	51.80392	30.34077	0.4261054	2.7376115	122	3	1994-1997	0.71	M-v	3	Williams	29318	1994 VR ₆
1994 WH ₃	12.0	970601	197.94297	262.89066	111.47581	1.96712	0.1743031	3.1564445	15	4	1982-1994	0.81	M-v	2	Williams	27731	1994 WH ₃
1994 WQ ₁₂	13.0	970601	190.28549	204.81562	167.98134	1.41329	0.1775914	3.2034844	24	4	1982-1997	0.93	M-v	2	Williams	28889	1994 WQ ₁₂
1994 XF	13.0	970601	173.83723	356.10953	61.47285	12.21639	0.2811791	3.0583346	75	4	1951-1997	0.52	M-v	1	Marsden	27122	1994 XF
1994 YA ₂	13.5	970601	204.31745	95.70338	358.32298	22.05809	0.0454917	2.6538217	26	4	1989-1996	0.75	M-v	2	Williams	27122	1994 YA ₂
1995 AN	14.0	970601	297.47031	123.37705	343.97482	18.11495	0.0773113	1.9678319	22	4	1977-1995	0.60	M-v	3	Williams	28889	1995 AN

1995 BC	13.5	970601	242.54613	267.58946	114.97754	3.15093	0.1125460	2.9468874	28	5	1978-1996	0.65	M-v	1	Williams	29318	1995 BC
1995 BG ₂	14.0	970601	242.87417	7.83154	127.54847	3.71367	0.0985221	2.3258892	25	3	1990-1995	0.64	M-v	4	Williams	27937	1995 BG ₂
1995 BQ ₃	13.0	970601	269.10899	256.10315	150.54658	9.43240	0.1932652	2.6431872	19	3	1989-1995	0.45	M-v	3	Williams	28855	1995 BQ ₃
1995 CV	12.5	970601	276.45687	144.12226	152.99280	7.04743	0.0875930	5.2340485	39	3	1995-1997	0.43	M-v	3	Marsden	27315	1995 CV
1995 CY	14.0	970601	4.49915	285.32966	82.97230	5.36260	0.1614175	2.3045215	15	3	1976-1995	0.78	M-v	4	Williams	25084	1995 CY
1995 CO ₁	14.0	970601	280.41569	64.88356	53.50513	3.17970	0.0706032	2.2138137	15	4	1980-1995	0.62	M-v	4	Williams	24908	1995 CO ₁
1995 DK	13.0	970601	168.46386	358.02834	161.40608	9.97841	0.1109986	2.8782008	21	3	1990-1995	0.76	M-v	4	Williams	29106	1995 DK
1995 DA ₂	8.0	970601	26.11481	334.81752	127.49456	6.56450	0.0680650	36.1660436	37	3	1995-1997	0.54	M-v	5	Marsden	26760	1995 DA ₂
1995 DB ₂	7.5	970601	7.06327	354.29347	128.63554	4.07556	0.1318446	46.2433564	26	3	1995-1997	0.93	M-v	E	Marsden	26567	1995 DB ₂
1995 DW ₂	9.0	970601	5.81738	6.40615	178.23900	4.15083	0.2439515	24.9497460	63	3	1995-1997	0.43	M-v	3	Marsden	27122	1995 DW ₂
1995 EO	15.5	970601	260.07430	261.81486	236.02008	3.21382	0.1003983	2.2887946	43	2	1995-1996	0.59	M-v	4	Williams	27731	1995 EO
1995 EQ ₁	13.0	970601	124.91035	126.34138	80.20115	1.90039	0.1340649	3.0933715	20	3	1989-1995	0.91	M-v	4	Williams	25442	1995 EQ ₁
1995 FX ₁₄	15.0	970601	50.03039	269.11420	76.58235	4.26972	0.2164563	2.5596476	27	4	1992-1996	0.55	M-v	2	Williams	28087	1995 FX ₁₄
1995 GO	9.0	970601	335.92523	290.10434	6.11861	17.63621	0.6219456	18.0978788	96	3	1995-1997	0.56	M-v	2	Williams	29318	1995 GO
1995 HC	14.5	970601	110.11205	134.44355	179.84681	2.36441	0.1745779	2.2499046	23	3	1949-1997	0.50	M-v	2	Williams	29138	1995 HC
1995 MG ₁	13.5	970601	9.03020	244.11083	159.30510	9.00262	0.2921329	2.7164884	17	3	1971-1995	0.50	M-v	3	Williams	25535	1995 MG ₁
1995 OA	14.5	970601	92.89977	150.64147	275.04177	6.15590	0.0861822	2.3268081	53	2	1995-1997	0.60	M-v	3	Williams	29318	1995 OA
1995 OK	15.5	970601	171.85644	204.20866	125.09890	6.96371	0.1402612	2.3068438	33	4	1992-1997	0.54	M-v	2	Williams	29138	1995 OK
1995 OT	14.0	970601	194.34316	268.76962	33.29130	4.14938	0.2047662	2.2824257	18	4	1985-1997	0.71	M-v	3	Williams	29138	1995 OT
1995 OK ₈	11.0	970601	355.68282	151.73134	231.21299	5.91267	0.0562651	5.2544065	16	2	1995-1996	0.64	M-v	5	Williams	28593	1995 OK ₈
1995 PK	14.5	970601	153.64140	235.11357	132.33699	5.20582	0.1290144	2.2280406	21	3	1992-1997	0.46	M-v	4	Williams	29138	1995 PK
1995 QJ	16.0	970601	108.02130	271.51920	147.94642	2.82785	0.1723491	2.3829358	36	4	1988-1997	0.47	M-v	1	Williams	29138	1995 QJ
1995 QN	14.0	970601	220.93337	135.04812	158.89898	3.95070	0.1736523	2.2494794	33	4	1971-1995	0.78	M-v	2	Williams	29107	1995 QN
1995 QP	14.0	970601	119.31935	35.51739	348.76311	7.47626	0.2318343	2.7605920	31	3	1993-1997	0.41	M-v	3	Williams	29318	1995 QP
1995 QD ₂	15.5	970601	169.10095	105.35907	289.83124	3.77857	0.1122745	2.1769532	49	2	1995-1997	0.51	M-v	3	Williams	29318	1995 QD ₂
1995 QG ₂	13.5	970601	244.11067	177.31455	75.36727	7.23849	0.0971266	2.3579225	26	4	1985-1997	0.70	M-v	2	Williams	29139	1995 QG ₂
1995 QM ₂	13.0	970601	149.25456	215.63690	109.26892	4.56688	0.0972367	2.7715430	30	4	1989-1997	0.91	M-v	4	Williams	29139	1995 QM ₂
1995 RA	13.5	970601	161.35518	58.21241	303.25127	22.98883	0.2319828	2.3452508	35	2	1995-1997	0.26	M-v	3	Williams	29108	1995 RA
1995 RC	14.5	970601	169.78162	58.71250	331.83629	5.52817	0.1672894	2.2092308	48	2	1995-1997	0.48	M-v	3	Marsden	29318	1995 RC
1995 SG	15.5	970601	118.94810	166.41183	236.39755	1.34335	0.1348355	2.5417760	40	2	1995-1997	0.52	M-v	3	Williams	29108	1995 SG
1995 SP	15.0	970601	145.22938	37.71303	13.38454	9.24850	0.1901368	2.3228403	51	2	1995-1997	0.59	M-v	3	Williams	29303	1995 SP
1995 ST	14.0	970601	293.42136	260.77560	339.54320	7.32953	0.0802140	2.2939421	24	2	1995-1997	0.47	M-v	4	Williams	29139	1995 ST
1995 SU	14.5	970601	300.50470	273.06636	318.39458	5.05666	0.0832044	2.3193358	35	4	1983-1997	0.86	M-v	2	Williams	29139	1995 SU
1995 SX	14.5	970601	166.75183	142.79124	194.62637	5.83882	0.1431965	2.3881265	37	3	1994-1997	0.53	M-v	2	Williams	29108	1995 SX
1995 SO ₁	13.0	970601	75.09092	130.32716	286.03579	21.25424	0.1538349	3.1497140	18	3	1994-1997	0.59	M-v	3	Williams	26176	1995 SO ₁
1995 SP ₁	13.0	970601	61.29878	117.89219	313.90237	25.80391	0.2040857	3.1335958	25	3	1979-1997	0.43	M-v	1	Williams	28857	1995 SP ₁
1995 SZ ₁	15.0	970601	140.18559	121.00965	286.99946	2.69718	0.1481990	2.3264476	51	2	1995-1997	0.45	M-v	4	Williams	29303	1995 SZ ₁
1995 SA ₂	15.5	970601	82.52518	253.03126	192.48031	6.07932	0.2324648	2.6939880	51	2	1995-1997	0.56	M-v	4	Marsden	29303	1995 SA ₂
1995 SB ₂	13.0	970601	7.19093	279.75927	213.13791	12.84267	0.1177161	3.1508788	54	4	1990-1997	0.62	M-v	2	Williams	29318	1995 SB ₂
1995 SC ₂	14.5	970601	127.26195	223.59440	161.34026	6.73059	0.1253098	2.4042660	45	2	1995-1997	0.50	M-v	4	Williams	29318	1995 SC ₂
1995 SL ₂	13.0	970601	100.33987	240.15116	161.98067	13.23248	0.1809946	2.6453787	23	2	1995-1997	0.67	M-v	4	Williams	29318	1995 SL ₂
1995 SY ₂	14.5	970601	180.59342	281.37855	89.85523	0.70600	0.1407555	2.1699696	24	5	1979-1997	0.87	M-v	2	Williams	26422	1995 SY ₂
1995 SM ₃	14.5	970601	63.07998	139.89852	345.98755	8.14094	0.1668056	2.4253033	26	3	1993-1997	0.59	M-v	3	Williams	29318	1995 SM ₃
1995 SN ₃	14.5	970601	243.64963	314.91728	336.96338	4.71654	0.1706543	2.2834038	53	3	1994-1997	0.48	M-v	3	Williams	29318	1995 SN ₃
1995 SX ₃	14.0	970601	228.99787	80.02974	222.58330	4.61763	0.2035116	2.1977069	14	5	1982-1995	0.78	M-v	2	Williams	27937	1995 SX ₃
1995 SJ ₄	13.5	970601	120.56545	88.22395	258.60807	20.22463	0.1354132	3.1403022	19	2	1995-1997	0.40	M-v	3	Williams	29109	1995 SJ ₄
1995 SD ₅	12.0	970601	164.84650	329.35111	350.81368	13.38001	0.0679423	2.9594218	17	3	1990-1997	0.65	M-v	4	Williams	28858	1995 SD ₅
1995 SM ₂₁	15.5	970601	165.76222	7.71398	350.88635	7.08991	0.1298707	2.3015076	22	2	1988-1996	0.65	M-v	3	Williams	28858	1995 SM ₂₁
1995 SL ₃₅	14.5	970601	79.56760	66.78638	18.23341	22.30136	0.0515789	2.6240228	14	3	1978-1997	0.84	M-v	2	Williams	26178	1995 SL ₃₅
1995 TS	14.0	970601	176.46792	1.09560	357.17255	0.60716	0.1854261	2.4265276	29	5	1976-1997	0.61	M-v	1	Williams	26582	1995 TS
1995 UE	14.0	970601	1.69240	212.92314	344.28044	5.91442	0.0676796	2.2363513	22	2	1995-1997	0.74	M-v	4	Williams	29319	1995 UE
1995 UK ₁	15.0	970601	155.52450	29.21849	29.68677	1.09688	0.1383182	2.1928495	46	4	1969-1997	0.57	M-v	2	Williams	26582	1995 UK ₁

1995 UY ₁	14.5	970601	53.02521	158.36526	322.19370	4.68590	0.0647685	2.6547092	21	2	1995-1997	0.55	M-v	4	Williams	29303	1995 UY ₁
1995 UJ ₂	14.5	970601	168.22806	3.37526	12.22642	3.35705	0.2184393	2.3671510	45	2	1995-1997	0.34	M-v	3	Marsden	29304	1995 UJ ₂
1995 UN ₂	14.5	970601	71.80526	308.56997	142.59953	2.20621	0.2060237	3.0427629	44	2	1995-1997	0.66	M-v	3	Marsden	29319	1995 UN ₂
1995 UO ₂	15.5	970601	159.53340	27.52048	22.50958	6.88738	0.0728597	2.2518916	36	5	1978-1997	0.40	M-v	1	Williams	28618	1995 UO ₂
1995 UR ₂	14.0	970601	140.90644	97.62154	273.95258	4.68345	0.2638443	2.7130472	46	3	1992-1997	0.43	M-v	2	Williams	29319	1995 UR ₂
1995 UX ₂	13.5	970601	315.68303	218.65006	30.47545	11.68597	0.1227674	2.9767776	24	3	1992-1997	0.53	M-v	4	Williams	29304	1995 UX ₂
1995 UR ₃	14.5	970601	144.91844	191.52185	226.65073	5.71951	0.0976205	2.3241424	25	3	1988-1997	0.65	M-v	4	Williams	26192	1995 UR ₃
1995 UY ₃	14.0	970601	133.90926	203.80332	219.17633	1.86208	0.1798354	2.4320172	28	4	1991-1997	0.55	M-v	2	Williams	26928	1995 UY ₃
1995 UP ₄	13.0	970601	164.02659	330.72521	63.10862	7.94501	0.1362743	2.4150126	30	5	1976-1997	0.56	M-v	2	Williams	29139	1995 UP ₄
1995 UC ₆	13.5	970601	252.86565	335.46181	320.26359	6.48127	0.1789355	2.1901027	23	4	1972-1997	0.75	M-v	2	Williams	29319	1995 UC ₆
1995 UK ₆	14.5	970601	174.22583	30.04561	341.68249	1.89868	0.2034725	2.4016533	18	4	1980-1997	0.51	M-v	1	Williams	26582	1995 UK ₆
1995 UM ₈	15.5	970601	139.17329	52.99045	31.74243	4.81316	0.0794666	2.2073787	18	3	1988-1997	0.42	M-v	4	Williams	28860	1995 UM ₈
1995 UP ₈	14.5	970601	269.79689	291.03976	355.23878	3.36832	0.1382705	2.2605133	23	2	1995-1997	0.71	M-v	4	Williams	29304	1995 UP ₈
1995 UB ₉	13.0	970601	235.80901	255.92928	58.80555	4.73813	0.1725574	2.2709637	12	3	1978-1997	0.42	M-v	4	Williams	26182	1995 UB ₉
1995 UK ₄₄	14.0	970601	191.22598	92.98726	255.13347	5.76544	0.1460743	2.3547825	20	4	1976-1997	0.70	M-v	3	Williams	29319	1995 UK ₄₄
1995 UY ₄₄	14.5	970601	170.76196	332.57858	34.97599	10.02338	0.2060386	2.4886782	56	3	1991-1997	0.60	M-v	3	Williams	29319	1995 UY ₄₄
1995 UB ₄₅	14.5	970601	189.46235	111.62804	269.08199	2.89755	0.1508273	2.2259886	21	4	1988-1997	0.60	M-v	3	Williams	28860	1995 UB ₄₅
1995 UF ₄₅	12.5	970601	91.08766	340.68935	71.60167	2.42204	0.1729054	3.1113019	15	3	1979-1997	0.57	M-v	4	Williams	29319	1995 UF ₄₅
1995 VG	13.0	970601	91.15540	174.74243	282.79628	1.93638	0.0493084	2.7591112	26	4	1981-1997	0.56	M-v	2	Williams	26582	1995 VG
1995 VY	13.0	970601	167.40250	289.00676	73.33571	3.78993	0.2669614	2.5693088	21	5	1958-1997	0.64	M-v	2	Williams	27456	1995 VY
1995 VU ₁	12.5	970601	36.87779	90.64710	71.07802	13.74260	0.0946153	2.6977206	15	3	1993-1997	0.56	M-v	3	Williams	26407	1995 VU ₁
1995 VL ₂	14.5	970601	165.81699	133.15026	264.68054	3.59527	0.0717236	2.3616612	30	4	1951-1997	0.74	M-v	2	Williams	29319	1995 VL ₂
1995 VQ ₁₂	15.5	970601	166.37401	196.46023	201.98724	7.47971	0.1136551	2.2550752	15	3	1978-1997	0.53	M-v	4	Williams	26570	1995 VQ ₁₂
1995 WF ₂	12.5	970601	104.84160	269.35160	146.96434	1.38491	0.1995373	3.2052700	26	5	1977-1997	0.51	M-v	2	Williams	26582	1995 WF ₂
1995 WO ₃	15.0	970601	169.21440	157.90646	232.84114	1.64827	0.1954907	2.3864941	19	3	1980-1995	0.65	M-v	3	Williams	26570	1995 WO ₃
1995 WX ₄	14.5	970601	161.77984	177.57120	225.62168	4.04765	0.1928253	2.4186017	15	4	1976-1997	0.63	M-v	2	Williams	26582	1995 WX ₄
1995 WT ₅	14.5	970601	65.09374	125.54873	28.56379	4.74459	0.0933763	2.4144083	30	5	1976-1997	0.67	M-v	1	Williams	28618	1995 WT ₅
1995 WB ₆	13.0	970601	202.55386	127.35222	189.36683	8.55806	0.1459964	2.7914939	27	5	1953-1997	0.66	M-v	2	Williams	29319	1995 WB ₆
1995 WE ₆	15.0	970601	140.84270	16.05744	21.97510	2.25314	0.2080129	2.3963291	39	3	1991-1997	0.57	M-v	3	Williams	26571	1995 WE ₆
1995 WF ₆	15.0	970601	198.98625	231.28536	118.73806	1.65563	0.1376851	2.4371858	45	3	1994-1997	0.58	M-v	3	Marsden	29319	1995 WF ₆
1995 WC ₇	14.0	970601	92.69108	30.16281	39.36898	6.06868	0.1497672	3.0963668	23	2	1995-1997	0.33	M-v	3	Williams	29305	1995 WC ₇
1995 WH ₇	14.0	970601	146.97539	293.27756	140.66360	3.09742	0.1449876	2.4120700	24	4	1989-1997	0.73	M-v	3	Williams	26760	1995 WH ₇
1995 WA ₈	15.0	970601	191.16924	39.36332	0.69357	5.29964	0.1450799	2.2047167	17	2	1988-1995	0.65	M-v	5	Williams	28861	1995 WA ₈
1995 WN ₈	13.0	970601	344.84128	87.27099	149.84319	12.13568	0.1352143	2.4008235	23	4	1993-1997	0.85	M-v	1	Williams	26571	1995 WN ₈
1995 WO ₈	11.5	970601	348.52151	58.04783	145.56442	14.28774	0.2377297	3.1655635	21	4	1952-1997	0.69	M-v	2	Williams	29319	1995 WO ₈
1995 XH	13.0	970601	191.39651	311.50860	53.60102	4.22585	0.1050698	2.7862003	16	5	1974-1997	0.60	M-v	2	Williams	28618	1995 XH
1995 XT	12.5	970601	79.98655	348.45526	115.25975	2.29180	0.1355509	3.0800868	22	5	1989-1997	0.73	M-v	1	Williams	29139	1995 XT
1995 XE ₁	11.5	970601	108.76785	357.45687	70.42777	6.86744	0.0149933	3.1678926	16	3	1989-1997	0.64	M-v	4	Williams	29113	1995 XE ₁
1995 XL ₁	13.5	970601	243.81203	43.38883	283.37269	5.34837	0.1367911	2.4058584	18	3	1987-1997	0.81	M-v	3	Williams	28303	1995 XL ₁
1995 XB ₂	14.0	970601	211.93957	266.55382	46.88764	2.16073	0.0384222	2.3526368	27	3	1990-1997	0.69	M-v	4	Williams	29113	1995 XB ₂
1995 XP ₂	15.0	970601	174.79951	180.17310	210.41155	2.43543	0.1835977	2.2653950	31	3	1978-1997	0.59	M-v	3	Williams	26761	1995 XP ₂
1995 YA	12.0	970601	294.25301	158.88481	74.26623	7.49780	0.0545195	3.0092262	18	4	1992-1997	0.51	M-v	1	Williams	29139	1995 YA
1995 YP	13.0	970601	298.91579	156.45375	113.04470	3.20937	0.0111435	2.8685688	24	5	1982-1997	0.74	M-v	1	Williams	28890	1995 YP
1995 YL ₁	14.0	970601	196.73467	114.34147	248.87310	2.61188	0.2760685	2.5718011	20	4	1953-1996	0.85	M-v	2	Williams	28890	1995 YL ₁
1995 YZ ₁	14.0	970601	118.78431	58.67135	11.80976	7.19825	0.1777706	2.8982116	29	2	1995-1997	0.47	M-v	4	Williams	29305	1995 YZ ₁
1995 YB ₂	12.0	970601	341.67272	249.31310	310.74530	1.86061	0.1266244	3.9712709	36	3	1993-1997	0.55	M-v	3	Williams	29306	1995 YB ₂
1995 YC ₃	12.5	970601	90.09949	3.98940	109.60174	2.99365	0.1167688	3.0482361	28	8	1959-1997	0.63	M-v	1	Williams	29139	1995 YC ₃
1995 YP ₃	13.5	970601	240.04384	221.74430	133.65405	2.40027	0.1045458	2.4324252	19	5	1979-1997	0.51	M-v	2	Williams	26761	1995 YP ₃
1995 YV ₃	14.0	970601	159.67886	276.30554	119.26869	29.79535	0.4406573	2.7902306	65	2	1995-1997	0.63	M-v	3	Williams	29306	1995 YV ₃
1995 YN ₄	12.5	970601	138.17054	68.33704	342.98749	9.42800	0.1155415	2.9834652	20	4	1953-1997	0.42	M-v	2	Williams	29319	1995 YN ₄
1995 YY ₇	13.5	970601	315.87284	23.44844	232.14053	3.40947	0.0698920	2.3007626	22	6	1949-1997	0.45	M-v	1	Williams	26575	1995 YY ₇
1996 AE	14.5	970601	178.53703	166.25024	239.82294	5.14501	0.1350973	2.3720802	57	3	1989-1997	0.49	M-v	3	Marsden	27123	1996 AE

1996 AJ	14.5	970601	289.66747	358.21223	304.59790	1.77382	0.1953692	2.4492564	22	3	1990-1997	0.48	M-v	4	Williams	26748	1996 AJ
1996 AO ₁	15.0	970601	194.69953	326.52018	69.55117	3.91894	0.1932719	2.3914014	38	2	1996-1997	0.53	M-v	5	Williams	26748	1996 AO ₁
1996 AU ₁	13.0	970601	348.04971	103.05215	125.40169	2.09079	0.1060820	3.1537841	35	3	1993-1997	0.54	M-v	4	Williams	29319	1996 AU ₁
1996 AY ₁	14.0	970601	143.22226	274.96756	121.31677	17.24588	0.1770321	3.2152496	30	2	1996-1997	0.33	M-v	3	Williams	29306	1996 AY ₁
1996 AD ₂	13.5	970601	183.27698	277.90210	94.30094	12.00865	0.1322436	2.9856152	45	2	1996-1997	0.36	M-v	3	Williams	29319	1996 AD ₂
1996 AY ₃	11.5	970601	153.79881	258.37392	138.28282	17.66672	0.2684031	3.1786710	32	2	1996-1997	0.47	M-v	3	Williams	29306	1996 AY ₃
1996 AE ₄	12.5	970601	107.77122	306.86150	145.77860	2.52659	0.1628843	3.1763355	19	4	1949-1996	0.70	M-v	1	Williams	28618	1996 AE ₄
1996 AN ₁₅	15.0	970601	137.64043	4.81933	131.81183	7.61894	0.0361931	2.2910169	29	4	1989-1996	0.74	M-v	2	Williams	27328	1996 AN ₁₅
1996 BD ₁	12.0	970601	58.65598	281.00974	310.14645	25.02589	0.2894863	2.4381171	19	4	1978-1996	0.71	M-v	2	Williams	29319	1996 BD ₁
1996 BS ₁	13.5	970601	310.75307	283.79794	34.50829	4.16078	0.0876670	2.3770269	22	3	1990-1996	0.60	M-v	4	Williams	26761	1996 BS ₁
1996 BN ₆	14.0	970601	264.27753	239.60531	73.58666	4.02344	0.1667611	3.0045973	20	4	1993-1997	0.30	M-v	1	Williams	29113	1996 BN ₆
1996 CG ₁	12.0	970601	14.33527	192.23989	32.00775	5.81156	0.0095516	3.0823813	23	5	1975-1996	0.76	M-v	1	Williams	27938	1996 CG ₁
1996 CR ₇	13.0	970601	286.11193	189.41276	146.95865	15.42734	0.1155183	2.5967949	29	6	1985-1997	0.95	M-v	2	Williams	28890	1996 CR ₇
1996 CX ₇	14.0	970601	288.31812	227.11457	126.98842	6.37049	0.2022110	2.2219464	19	3	1993-1996	0.86	M-v	4	Williams	27112	1996 CX ₇
1996 CV ₈	13.5	970601	29.02790	230.37214	41.76578	4.24600	0.1383495	2.2677484	19	4	1990-1996	0.72	M-v	3	Williams	29319	1996 CV ₈
1996 CA ₉	13.5	970601	135.92876	295.26679	169.49392	13.35272	0.1490485	2.5658254	17	6	1951-1997	0.81	M-v	2	Williams	27450	1996 CA ₉
1996 DP	13.5	970601	53.92056	96.03014	134.02642	1.34009	0.1121545	2.5832697	18	3	1992-1996	0.92	M-v	3	Williams	27457	1996 DP
1996 DZ	13.5	970601	62.72871	141.13742	93.67975	2.13012	0.1630741	2.4396432	32	3	1985-1996	0.70	M-v	2	Williams	27457	1996 DZ
1996 DJ ₁	13.5	970601	161.14171	163.00677	281.05519	1.05625	0.0701387	2.9064946	20	5	1988-1996	0.78	M-v	1	Williams	29114	1996 DJ ₁
1996 DW ₁	14.0	970601	239.82686	329.92577	51.28616	3.74786	0.0357444	2.2621622	43	3	1991-1996	0.47	M-v	4	Williams	27123	1996 DW ₁
1996 DL ₂	13.0	970601	309.12511	213.30346	97.65905	3.44628	0.0060313	2.8991870	22	2	1993-1996	0.79	M-v	4	Williams	27457	1996 DL ₂
1996 EU ₂	11.0	970601	97.34745	171.89415	263.99649	15.48154	0.1068144	3.4149062	21	3	1977-1997	0.52	M-v	3	Williams	29319	1996 EU ₂
1996 EJ ₁₄	14.0	970601	250.06568	3.30267	349.19172	15.80663	0.0956233	3.0260922	17	2	1993-1996	0.56	M-v	4	Williams	27316	1996 EJ ₁₄
1996 FG ₃	18.5	970601	286.23738	23.39019	300.48038	1.98153	0.3497337	1.0543366	167	2	1996-1997	0.61	M-v	4	Williams	29319	1996 FG ₃
1996 FO ₅	14.0	970601	139.28680	118.00596	20.73494	8.89548	0.1404399	2.3675239	55	3	1978-1996	0.42	M-v	3	Williams	27457	1996 FO ₅
1996 HB	12.5	970601	209.54615	173.20550	210.70663	8.69900	0.2121235	2.6976345	29	4	1993-1997	0.77	M-v	2	Williams	27457	1996 HB
1996 HD ₁	14.5	970601	61.77883	210.28839	80.90995	6.76818	0.1949402	2.2778547	29	3	1989-1996	0.59	M-v	3	Williams	28319	1996 HD ₁
1996 NL ₁	14.0	970601	29.74458	74.52904	292.93203	3.20489	0.0801849	2.2774956	20	4	1979-1996	0.70	M-v	2	Williams	27732	1996 NL ₁
1996 PD	14.0	970601	46.30934	224.96997	117.50616	9.52858	0.2272550	2.7347216	34	3	1992-1996	0.55	M-v	3	Williams	28088	1996 PD
1996 PE	14.5	970601	39.02652	238.04917	107.67029	4.34817	0.1604280	2.7955419	34	3	1992-1996	0.48	M-v	3	Williams	28078	1996 PE
1996 PM ₄	12.5	970601	166.18870	165.66774	34.47303	1.47009	0.1323641	3.1881071	25	4	1983-1996	0.76	M-v	2	Williams	29114	1996 PM ₄
1996 QQ ₁	14.0	970601	30.76471	273.02259	108.85519	2.13773	0.2017589	3.1281841	49	2	1991-1996	0.65	M-v	4	Williams	28619	1996 QQ ₁
1996 RG ₃	18.5	970601	52.80369	299.90121	158.46817	3.56530	0.6048014	1.9998436	94	2	1996-1997	0.62	M-v	4	Williams	29307	1996 RG ₃
1996 RS ₅	12.0	970601	62.27853	346.21756	15.12068	14.48869	0.1839189	2.8892428	26	3	1989-1996	0.65	M-v	3	Williams	28890	1996 RS ₅
1996 SG ₄	15.0	970601	30.37937	171.16685	274.17900	3.08700	0.2068987	2.5806357	25	3	1989-1996	0.63	M-v	4	Williams	28080	1996 SG ₄
1996 TP ₁	15.0	970601	48.93135	18.95593	17.50255	3.82774	0.2090544	2.4199587	30	4	1985-1996	0.62	M-v	2	Williams	28597	1996 TP ₁
1996 TT ₁₁	14.5	970601	74.83387	149.97558	199.31841	1.58391	0.1516526	2.6104659	25	2	1992-1996	0.45	M-v	4	Williams	28619	1996 TT ₁₁
1996 TK ₁₅	13.5	970601	92.03741	132.77816	195.91123	13.40593	0.1881659	2.6169109	22	3	1975-1997	0.61	M-v	4	Williams	29140	1996 TK ₁₅
1996 VC	14.0	970601	43.82301	70.44975	2.65384	21.54937	0.3518609	2.3430329	72	3	1978-1997	0.48	M-v	2	Marsden	29320	1996 VC
1996 VS ₁	14.5	970601	35.86391	51.37056	52.04758	23.29263	0.0900326	1.9306042	47	1	142 days	0.57	M-v	3	Williams	29320	1996 VS ₁
1996 VD ₄	13.0	970601	151.06554	223.96167	80.73424	1.93198	0.1408054	3.1989903	26	6	1977-1996	0.66	M-v	1	Williams	28891	1996 VD ₄
1996 VN ₆	13.5	970601	186.82567	359.91247	346.95062	15.49775	0.1467854	2.5245513	13	1	147 days	0.51	M-v	5	Williams	29117	1996 VN ₆
1996 VR ₇	14.5	970601	55.69969	345.96877	71.23076	5.09153	0.1077260	2.4337710	20	2	1992-1996	0.52	M-v	5	Williams	28602	1996 VR ₇
1996 VZ ₇	14.0	970601	79.98086	262.51676	109.33190	4.16711	0.1268432	2.3144221	18	4	1982-1996	0.53	M-v	1	Williams	28602	1996 VZ ₇
1996 VF ₉	14.5	970601	75.01642	270.12861	113.71186	3.02061	0.2198468	2.3689843	26	5	1985-1996	0.84	M-v	2	Williams	29140	1996 VF ₉
1996 VQ ₃₀	14.0	970601	10.79073	84.51658	30.66779	4.87099	0.1109491	2.2971061	18	4	1973-1996	0.71	M-v	3	Williams	28868	1996 VQ ₃₀
1996 WZ	12.0	970601	84.04545	325.17532	56.82636	11.02517	0.0921608	3.0041050	19	4	1970-1997	0.45	M-v	1	Williams	28891	1996 WZ
1996 WQ ₁	14.0	970601	312.09528	331.04696	204.17146	1.54155	0.1477888	2.4168426	24	3	1979-1996	0.56	M-v	3	Williams	28869	1996 WQ ₁
1996 WG ₃	13.0	970601	154.42409	61.29106	208.10425	13.24490	0.1397960	2.6286575	28	4	1982-1996	0.64	M-v	2	Williams	28891	1996 WG ₃
1996 XG ₁	14.0	970601	109.98264	140.26673	212.62627	2.18491	0.1893329	2.4316604	23	5	1969-1996	0.71	M-v	3	Williams	28891	1996 XG ₁
1996 XR ₁	11.5	970601	83.85746	285.74728	87.84908	4.62490	0.2160165	3.9685200	25	3	1987-1997	0.38	M-v	4	Williams	28891	1996 XR ₁
1996 XS ₁₈	14.0	970601	23.68889	21.49147	80.42003	2.78137	0.0899706	3.0770455	30	1	91 days	0.37	M-v	4	Marsden	29308	1996 XS ₁₈

1996 XX ₃₀	14.0	970601	63.25832	183.85345	241.32491	3.65080	0.2126406	2.6000978	16	3	1979-1997	0.42	M-v	3	Williams	28874	1996 XX ₃₀
1996 XH ₃₁	14.5	970601	73.86336	147.32678	271.90854	1.61060	0.1809807	2.4021714	18	2	1992-1997	0.57	M-v	4	Williams	28875	1996 XH ₃₁
1996 YD	14.0	970601	23.66505	87.01217	43.71916	2.48409	0.0901811	2.2591097	21	3	1984-1997	0.69	M-v	3	Williams	29140	1996 YD
1996 YF	14.0	970601	67.92090	358.00824	77.95776	5.72349	0.1208912	2.2574504	16	4	1980-1997	0.72	M-v	2	Williams	29140	1996 YF
1996 YM	14.0	970601	96.69230	299.82443	87.98666	3.53153	0.2082890	2.4105396	15	4	1988-1997	0.65	M-v	4	Williams	29140	1996 YM
1996 YF ₁	17.5	970601	22.18166	75.14062	77.54900	8.97721	0.3747848	2.2792843	50	1	86 days	0.44	M-v	4	Marsden	29308	1996 YF ₁
1996 YV ₁	14.0	970601	70.70979	116.60634	330.66872	1.57275	0.1824408	2.6314962	27	3	1993-1997	0.56	M-v	2	Williams	29309	1996 YV ₁
1996 YK ₂	13.5	970601	26.56588	126.46138	10.71745	7.60488	0.1538861	2.3366514	24	6	1958-1997	0.86	M-v	2	Williams	29141	1996 YK ₂
1996 YO ₂	13.5	970601	356.08250	30.65378	75.24485	3.20189	0.0427071	2.8364261	25	4	1977-1997	0.68	M-v	2	Williams	29320	1996 YO ₂
1996 YU ₂	12.5	970601	78.73101	188.55151	186.75654	13.52384	0.1914835	3.0964282	26	5	1979-1997	0.60	M-v	2	Williams	29320	1996 YU ₂
1997 AT ₁	11.5	970601	20.98792	175.74835	296.87498	12.63102	0.1059962	3.1739311	23	4	1969-1997	0.75	M-v	2	Williams	29320	1997 AT ₁
1997 AV ₁	14.5	970601	112.48142	69.80324	317.10025	6.97706	0.1179569	2.4404939	19	3	1988-1997	0.55	M-v	3	Williams	29141	1997 AV ₁
1997 AY ₁	13.0	970601	66.32617	27.63908	56.01866	5.51685	0.0339728	2.4835633	20	4	1954-1997	0.44	M-v	1	Williams	29141	1997 AY ₁
1997 AK ₂	14.0	970601	37.65717	54.79453	53.26485	1.37839	0.2166348	2.9865139	17	2	1995-1997	0.42	M-v	4	Williams	29120	1997 AK ₂
1997 AC ₄	13.0	970601	212.12027	329.58312	341.87526	2.23006	0.2288246	2.3622140	21	4	1973-1997	0.61	M-v	3	Williams	29121	1997 AC ₄
1997 AM ₅	14.0	970601	18.57736	131.99744	18.80366	3.60224	0.1418849	2.3327139	20	3	1983-1997	0.48	M-v	4	Williams	29122	1997 AM ₅
1997 AZ ₆	14.0	970601	113.04582	233.50374	158.14842	3.46679	0.1340245	2.5354384	17	1	103 days	0.46	M-v	5	Williams	29122	1997 AZ ₆
1997 AD ₇	13.0	970601	146.90948	185.25741	166.26593	2.78435	0.2637971	2.4773101	30	6	1929-1997	0.64	M-v	2	Williams	29320	1997 AD ₇
1997 AH ₇	13.5	970601	97.52947	266.01843	151.50071	7.16520	0.0942095	2.3292175	23	3	1990-1997	0.61	M-v	4	Williams	29122	1997 AH ₇
1997 AJ ₇	15.5	970601	359.92181	264.03400	275.86937	1.30411	0.1498665	2.3559125	16	2	1995-1997	0.51	M-v	5	Williams	29123	1997 AJ ₇
1997 AL ₇	13.5	970601	273.18987	108.79502	149.54107	4.24401	0.0836853	2.3848371	24	2	1991-1997	0.51	M-v	4	Williams	29320	1997 AL ₇
1997 AM ₇	14.5	970601	359.54183	207.91888	328.68211	3.47345	0.0930084	2.2904147	19	2	1989-1997	0.67	M-v	5	Williams	29123	1997 AM ₇
1997 AX ₁₂	16.5	970601	49.56013	326.71887	109.89475	5.71287	0.4193519	2.6331709	54	1	109 days	0.55	M-v	4	Williams	29124	1997 AX ₁₂
1997 AB ₁₃	15.0	970601	114.18498	343.47910	64.87526	3.19074	0.0163291	2.2489398	29	5	1982-1997	0.65	M-v	1	Williams	29320	1997 AB ₁₃
1997 AL ₁₃	11.0	970601	247.76717	281.71066	349.70284	11.51676	0.1104722	3.1206437	14	3	1983-1997	0.43	M-v	3	Williams	29320	1997 AL ₁₃
1997 AP ₁₄	14.0	970601	109.22357	248.22846	147.18829	0.98243	0.1635372	2.6851236	32	2	1995-1997	0.62	M-v	5	Williams	29124	1997 AP ₁₄
1997 AX ₁₇	14.5	970601	178.82640	297.43048	54.18713	3.31447	0.0424998	2.1258908	13	2	1977-1997	0.54	M-v	5	Williams	29320	1997 AX ₁₇
1997 BR	17.5	970601	356.77014	133.73804	116.78810	17.23593	0.3058528	1.3359916	266	1	86 days	0.57	M-v	4	Williams	29309	1997 BR
1997 BD ₂	13.5	970601	118.92886	267.99335	128.86650	10.05954	0.1410371	2.2917546	29	4	1983-1997	0.62	M-v	3	Williams	29309	1997 BD ₂
1997 BX ₂	15.0	970601	58.42612	353.57984	116.15712	8.36411	0.0695820	2.3817661	16	2	1994-1997	0.33	M-v	4	Williams	29127	1997 BX ₂
1997 BM ₃	13.0	970601	62.47726	107.64256	343.51700	7.12263	0.1942001	2.7787566	22	3	1983-1997	0.69	M-v	2	Williams	29309	1997 BM ₃
1997 BO ₃	13.5	970601	43.33074	44.69022	83.17604	3.64198	0.0791513	2.5273956	16	3	1989-1997	0.39	M-v	4	Williams	29320	1997 BO ₃
1997 BP ₅	16.0	970601	82.36676	291.79652	142.70196	2.70135	0.1843522	2.3718028	20	3	1977-1997	0.41	M-v	5	Williams	29310	1997 BP ₅
1997 BU ₅	15.0	970601	315.07603	274.89049	324.36893	0.67032	0.1420544	2.2883100	26	2	1978-1997	0.54	M-v	4	Williams	29310	1997 BU ₅
1997 BG ₈	14.0	970601	293.73072	284.62263	325.73081	3.32926	0.0918616	2.1587530	51	3	1994-1997	0.59	M-v	3	Williams	29320	1997 BG ₈
1997 CA ₁	14.5	970601	288.68304	293.44352	323.28551	7.19089	0.0811510	2.2955850	19	3	1976-1997	0.64	M-v	4	Williams	29320	1997 CA ₁
1997 CY ₂	13.5	970601	39.16858	3.52717	120.60994	3.76625	0.1973209	3.1074173	18	3	1979-1997	0.37	M-v	3	Williams	29321	1997 CY ₂
1997 CZ ₅	13.5	970601	37.54175	169.07043	288.16173	24.93725	0.3987839	2.2921526	233	1	57 days	0.41	M-v	5	Williams	29310	1997 CZ ₅
1997 CK ₁₃	12.5	970601	334.41534	120.53010	101.18556	2.89305	0.1193256	3.1036574	37	3	1976-1997	0.68	M-v	3	Williams	29310	1997 CK ₁₃
1997 CP ₁₃	14.5	970601	8.98164	201.25543	321.80585	1.29257	0.0776644	2.4322567	52	4	1978-1997	0.82	M-v	2	Williams	29310	1997 CP ₁₃
1997 CA ₁₇	13.5	970601	64.27216	159.43617	283.96693	7.83756	0.1476862	3.2009116	39	2	1994-1997	0.55	M-v	3	Williams	29311	1997 CA ₁₇
1997 CR ₂₁	15.0	970601	3.55522	53.07792	119.81268	2.02286	0.1360757	2.4216148	26	2	1995-1997	0.54	M-v	4	Williams	29311	1997 CR ₂₁
1997 CT ₂₁	16.0	970601	287.66652	173.38963	92.25966	4.35707	0.1573604	2.4449147	30	4	1993-1997	0.35	M-v	1	Williams	29311	1997 CT ₂₁
1997 CB ₂₂	12.5	970601	284.48570	280.74834	348.80057	6.73978	0.0877863	2.7879407	28	6	1978-1997	0.77	M-v	1	Williams	29312	1997 CB ₂₂
1997 CH ₂₂	16.0	970601	36.22464	171.23436	328.36863	3.28149	0.1529384	2.5990395	13	2	1993-1997	0.27	M-v	4	Williams	29312	1997 CH ₂₂
1997 CH ₂₆	13.5	970601	136.15958	270.98243	115.90193	8.81797	0.2114664	2.7556380	23	4	1986-1997	0.67	M-v	3	Williams	29312	1997 CH ₂₆
1997 CK ₂₆	15.0	970601	348.77952	138.20287	63.05371	6.45639	0.0546378	2.3709493	21	2	1995-1997	0.42	M-v	5	Williams	29312	1997 CK ₂₆
1997 CW ₂₇	14.0	970601	138.84261	79.39553	291.43406	1.59452	0.1986126	2.4297420	25	3	1971-1997	0.59	M-v	4	Williams	29312	1997 CW ₂₇
1997 CP ₂₈	12.5	970601	77.57155	113.73294	320.82983	10.10835	0.0991422	2.9863836	16	2	1992-1997	0.63	M-v	6	Williams	29312	1997 CP ₂₈
1997 DC	14.5	970601	326.39600	85.94713	158.58699	2.53652	0.1661181	2.3912062	24	2	1993-1997	0.59	M-v	5	Williams	29313	1997 DC
1997 DG	13.5	970601	284.45590	344.26680	267.66388	5.15787	0.0879324	2.3960438	20	3	1980-1997	0.48	M-v	3	Williams	29313	1997 DG
1997 EP ₁₇	13.5	970601	358.90738	356.61022	199.07463	5.07157	0.1106313	2.2677331	20	6	1980-1997	0.67	M-v	2	Williams	29313	1997 EP ₁₇

2058 P-L	14.0	970601	255.15016	6.66751	277.56624	2.18048	0.0342661	2.6545034	17	3	1960-1997	0.64	M-v	4	Williams	25435	2058 P-L
2103 P-L	14.0	970601	316.80008	353.39263	218.38152	3.02242	0.1396173	2.6570461	39	7	1960-1991	0.98	M-v	2	Williams	21977	2103 P-L
2532 P-L	13.5	970601	295.07144	131.37698	189.21200	8.56999	0.2611288	3.0805845	24	5	1960-1997	0.60	M-v	1	Williams	27457	2532 P-L
2536 P-L	14.5	970601	256.95303	305.70646	21.69244	7.36504	0.1542683	2.2824761	31	6	1953-1997	0.75	M-v	2	Williams	27938	2536 P-L
2561 P-L	13.0	970601	262.80086	159.77373	24.08450	13.14240	0.0655227	2.7116374	22	5	1960-1996	0.90	M-v	2	Williams	28891	2561 P-L
2572 P-L	15.5	970601	240.88212	113.62807	9.66180	2.68868	0.1009025	2.2377153	19	5	1960-1995	0.69	M-v	1	Williams	25084	2572 P-L
2592 P-L	14.5	970601	297.34421	73.51951	176.68719	5.25506	0.0866774	2.4570323	17	3	1960-1997	0.63	M-v	5	Williams	21805	2592 P-L
2636 P-L	14.5	970601	235.39520	80.28545	166.99406	2.84183	0.1886538	2.3210308	19	4	1960-1994	0.76	M-v	2	Williams	28891	2636 P-L
2725 P-L	15.5	970601	51.75336	262.68898	185.35400	1.36865	0.1727370	2.6911604	31	3	1960-1997	0.46	M-v	3	Williams	29313	2725 P-L
2777 P-L	14.0	970601	28.64138	100.13402	159.67280	2.91780	0.1684217	2.4064971	25	7	1949-1993	0.97	M-v	2	Williams	28891	2777 P-L
2821 P-L	12.5	970601	307.01691	158.93481	116.70397	2.58248	0.1508718	3.1247427	20	4	1954-1997	0.63	M-v	1	Williams	27925	2821 P-L
3074 P-L	12.5	970601	239.77173	318.88019	226.81544	9.45610	0.0513578	2.9702135	21	8	1960-1996	0.92	M-v	1	Williams	28088	3074 P-L
3107 P-L	14.0	970601	228.53228	145.46945	214.97632	12.80687	0.1744479	2.6244933	19	4	1960-1997	0.56	M-v	2	Williams	26761	3107 P-L
3509 P-L	15.0	970601	185.83442	175.36053	3.85952	23.66351	0.0346147	1.9022305	21	3	1960-1994	0.64	M-v	3	Williams	15903	3509 P-L
3541 P-L	12.5	970601	249.75161	34.56793	307.42721	8.42568	0.2987698	3.1035195	10	4	1960-1993	0.65	M-v	3	Williams	29313	3541 P-L
4036 P-L	14.0	970601	261.82570	108.81606	228.22783	1.14074	0.0783526	2.8392773	27	5	1960-1997	0.65	M-v	1	Williams	27123	4036 P-L
4072 P-L	15.0	970601	164.24372	18.69362	235.85711	2.59636	0.2255513	2.3453691	25	3	1960-1996	0.63	M-v	5	Williams	28088	4072 P-L
4274 P-L	15.5	970601	29.26000	247.50665	280.77119	2.14933	0.0736869	2.2991971	14	3	1960-1997	0.49	M-v	4	Williams	22701	4274 P-L
4528 P-L	15.0	970601	270.15913	178.42460	195.41407	2.41973	0.2009197	2.4151547	18	3	1960-1994	0.62	M-v	3	Williams	18131	4528 P-L
4614 P-L	13.5	970601	194.46550	70.92036	16.01502	6.05712	0.0075205	2.8157788	35	6	1960-1996	0.71	M-v	1	Williams	28892	4614 P-L
4764 P-L	14.0	970601	344.08440	44.59186	152.21252	2.24533	0.0332977	2.8828623	17	3	1960-1994	0.59	M-v	4	Williams	24757	4764 P-L
4874 P-L	15.0	970601	170.18654	342.24275	54.58535	3.38712	0.1000572	2.6407460	17	3	1960-1997	0.65	M-v	4	Williams	22086	4874 P-L
5004 P-L	13.0	970601	2.29024	120.87522	209.22530	10.97534	0.2281081	3.0297114	17	3	1960-1996	0.63	M-v	3	Williams	29141	5004 P-L
6130 P-L	14.0	970601	111.58633	293.35601	193.46781	4.20205	0.1053551	2.4387314	19	3	1949-1994	0.74	M-v	4	Williams	29141	6130 P-L
6541 P-L	11.5	970601	325.61828	261.62742	153.80227	8.14136	0.0681392	5.3037607	16	5	1960-1996	0.56	M-v	1	Williams	27938	6541 P-L
6547 P-L	14.5	970601	252.39662	319.70150	38.87929	3.08672	0.2081899	2.4267012	22	6	1960-1997	0.68	M-v	2	Williams	24241	6547 P-L
6571 P-L	13.0	970601	346.90227	337.56774	118.26019	3.12848	0.0273903	2.9735200	18	6	1960-1993	0.86	M-v	1	Williams	21978	6571 P-L
6614 P-L	14.5	970601	244.16787	187.14969	117.84793	2.77857	0.0790295	2.6404342	26	4	1960-1997	0.66	M-v	2	Williams	26423	6614 P-L
6643 P-L	14.5	970601	356.42032	18.68426	31.39264	4.80014	0.1682762	2.2201965	18	3	1960-1993	0.67	M-v	3	Williams	22701	6643 P-L
7633 P-L	13.5	970601	282.78317	208.48017	109.00318	3.30818	0.0584572	2.8368553	16	5	1951-1994	0.67	M-v	1	Williams	29141	7633 P-L
9523 P-L	15.5	970601	8.19503	187.16073	9.19318	6.32966	0.1166156	2.2901725	28	4	1960-1997	0.63	M-v	2	Williams	26415	9523 P-L
9535 P-L	14.5	970601	26.36971	198.94545	167.92755	6.36811	0.0689695	2.7375510	24	4	1960-1994	0.72	M-v	2	Williams	23248	9535 P-L
9565 P-L	14.5	970601	184.88293	207.82802	138.96163	4.39531	0.1428107	2.3042370	19	4	1960-1997	0.54	M-v	4	Williams	29129	9565 P-L
1146 T-1	14.5	970601	318.88974	79.21632	199.79093	4.73782	0.0945780	2.6353279	26	3	1971-1997	0.80	M-v	4	Williams	24236	1146 T-1
1222 T-1	14.5	970601	172.31685	354.73237	347.18107	11.29079	0.2333265	2.4390820	21	3	1971-1997	0.77	M-v	3	Williams	29142	1222 T-1
2104 T-1	15.0	970601	1.24148	204.79973	22.01280	2.53540	0.1413412	2.3869804	16	3	1971-1997	0.49	M-v	4	Williams	25076	2104 T-1
2291 T-1	13.5	970601	295.04938	246.23488	71.62752	3.96970	0.2176902	2.6302168	20	6	1971-1997	0.84	M-v	2	Williams	26761	2291 T-1
4155 T-1	14.0	970601	24.45427	20.45209	72.54008	3.04915	0.0398308	2.7245297	22	3	1971-1996	0.75	M-v	4	Williams	28607	4155 T-1
4192 T-1	14.0	970601	314.39192	277.98799	57.84434	3.62778	0.1269187	2.3502214	28	7	1951-1996	0.77	M-v	2	Williams	27732	4192 T-1
4206 T-1	15.0	970601	63.57698	36.84939	140.57963	2.75117	0.1748233	2.3741309	14	3	1971-1989	0.63	M-v	3	Williams	19326	4206 T-1
4260 T-1	13.5	970601	201.75165	324.04742	108.63090	2.94938	0.0546888	2.9155198	18	4	1971-1991	1.01	M-v	2	Williams	21602	4260 T-1
4302 T-1	14.5	970601	126.76331	126.21033	53.20584	5.40742	0.0764314	2.5770169	16	3	1971-1996	0.89	M-v	4	Williams	28892	4302 T-1
4409 T-1	15.0	970601	212.07981	351.54062	141.14143	4.81047	0.0501002	2.3114336	9	3	1971-1993	0.88	M-v	3	Williams	24115	4409 T-1
4886 T-1	14.0	970601	206.07540	289.36811	30.64933	6.68592	0.1486950	2.4356446	32	6	1971-1997	0.72	M-v	2	Williams	29142	4886 T-1
1041 T-2	14.0	970601	264.02456	161.79432	175.97587	2.04875	0.1182737	2.9426403	36	4	1973-1997	0.78	M-v	4	Williams	22274	1041 T-2
1042 T-2	14.5	970601	181.28478	140.50214	215.06322	1.90835	0.1189788	2.6495839	36	6	1973-1997	0.95	M-v	2	Williams	28320	1042 T-2
1079 T-2	13.5	970601	134.11993	310.93504	7.08082	1.87417	0.1307353	2.7207248	30	5	1951-1994	0.74	M-v	2	Williams	24409	1079 T-2
1218 T-2	14.0	970601	56.39167	283.69877	154.26323	0.96015	0.0787857	2.4071328	32	7	1955-1996	0.89	M-v	1	Williams	28892	1218 T-2
1266 T-2	15.0	970601	238.75150	324.71174	352.63218	6.36221	0.0626863	2.3563312	37	3	1973-1997	0.64	M-v	5	Williams	29321	1266 T-2
1503 T-2	16.5	970601	79.68968	229.95391	216.42231	2.14123	0.1529734	2.3916682	24	2	1973-1997	0.98	M-v	6	Williams	29314	1503 T-2
2071 T-2	14.5	970601	265.95537	116.47039	213.19823	3.05549	0.2689006	2.5892278	29	3	1973-1997	0.85	M-v	4	Williams	24764	2071 T-2
2084 T-2	15.0	970601	90.71000	317.42913	187.63302	21.50965	0.0788940	1.9611141	25	2	1973-1994	0.99	M-v	6	Williams	23346	2084 T-2

2114 T-2	14.0	970601	51.27419	305.70131	183.06385	3.47142	0.1580529	2.3827182	34	6	1973-1997	0.86	M-v	2	Williams	22088	2114 T-2
2137 T-2	16.0	970601	211.98067	118.78882	214.55391	1.47819	0.1138314	2.1491195	30	4	1973-1997	1.06	M-v	2	Williams	29321	2137 T-2
2145 T-2	14.5	970601	168.09053	197.73229	188.30755	13.47309	0.1638035	2.6434225	32	5	1973-1997	0.89	M-v	2	Williams	22274	2145 T-2
2232 T-2	15.0	970601	183.02772	179.08556	174.91697	3.88687	0.0942887	2.3726527	41	5	1951-1997	0.96	M-v	2	Williams	29321	2232 T-2
2272 T-2	13.5	970601	223.78233	162.28422	5.28591	6.87982	0.0940389	2.2420179	22	5	1973-1995	0.93	M-v	2	Williams	25229	2272 T-2
2304 T-2	15.0	970601	126.83517	25.91180	43.64764	2.69691	0.0867929	3.0225590	25	3	1973-1997	0.78	M-v	4	Williams	22701	2304 T-2
3042 T-2	15.5	970601	302.14205	322.35025	145.74014	4.18948	0.0458621	2.2271906	22	3	1973-1996	0.98	M-v	6	Williams	29314	3042 T-2
3076 T-2	12.5	970601	339.85270	67.98301	74.21619	2.10725	0.1264444	3.1124945	52	4	1973-1997	0.73	M-v	3	Williams	28608	3076 T-2
3289 T-2	12.5	970601	103.53899	303.36511	169.29757	9.78154	0.0232651	2.9871506	36	6	1973-1997	0.90	M-v	1	Williams	28893	3289 T-2
3297 T-2	14.0	970601	281.59086	173.98603	40.48287	4.43055	0.1593776	2.3944371	40	7	1954-1996	0.78	M-v	2	Williams	28893	3297 T-2
4165 T-2	14.5	970601	171.60802	241.57020	171.25669	4.83708	0.0948991	2.6183700	29	4	1973-1997	0.93	M-v	3	Williams	27939	4165 T-2
4210 T-2	13.5	970601	338.00249	40.57793	145.59585	5.01943	0.1143396	2.6661968	25	4	1954-1997	0.84	M-v	2	Williams	23988	4210 T-2
4253 T-2	16.0	970601	212.68025	189.34240	152.07171	6.01384	0.2263957	2.3555321	20	2	1973-1991	0.87	M-v	4	Williams	21978	4253 T-2
5159 T-2	11.5	970601	333.39657	85.33557	323.58638	10.54602	0.0076055	5.1470350	35	2	1973-1996	0.66	M-v	5	Williams	28320	5159 T-2
5187 T-2	11.5	970601	279.89798	231.06373	240.13727	8.60240	0.0306275	5.1296520	20	5	1973-1996	0.93	M-v	1	Williams	25971	5187 T-2
5447 T-2	14.5	970601	274.87112	334.18324	314.42171	8.42244	0.2315265	2.3403476	21	3	1973-1997	0.61	M-v	3	Williams	16589	5447 T-2
1128 T-3	13.5	970601	220.91305	335.60317	348.98424	13.71167	0.1350325	3.1570891	25	5	1954-1994	0.83	M-v	2	Williams	22432	1128 T-3
1194 T-3	14.5	970601	211.36895	8.86241	312.18032	6.18616	0.1279521	2.3491917	15	3	1977-1997	0.70	M-v	4	Williams	21978	1194 T-3
2315 T-3	15.5	970601	95.26248	195.01361	221.47332	1.94516	0.1433288	2.3815189	29	2	1977-1997	0.89	M-v	5	Williams	29130	2315 T-3
3105 T-3	14.5	970601	136.67049	172.35723	170.89675	2.71214	0.1806589	2.3925363	26	3	1977-1991	0.82	M-v	3	Williams	22274	3105 T-3
3109 T-3	13.5	970601	321.91308	211.52873	356.27011	0.30338	0.1079379	3.2132092	36	6	1977-1997	0.89	M-v	1	Williams	25443	3109 T-3
3134 T-3	15.0	970601	128.36682	130.42073	188.57802	3.66747	0.1962234	2.1483616	31	6	1977-1996	0.90	M-v	2	Williams	28088	3134 T-3
3186 T-3	14.0	970601	109.77012	2.74221	54.96059	3.28532	0.1935375	2.3708516	29	8	1957-1997	0.76	M-v	1	Williams	28893	3186 T-3
3395 T-3	14.5	970601	60.42376	344.14732	179.10645	4.68370	0.0499219	2.3190117	34	7	1949-1997	0.90	M-v	2	Williams	22601	3395 T-3
3434 T-3	16.0	970601	73.80982	236.08083	210.41608	2.96102	0.1656561	2.7333624	21	3	1977-1997	0.85	M-v	4	Williams	27929	3434 T-3
3437 T-3	14.5	970601	17.17739	272.68973	13.87934	2.62542	0.1460681	2.5458295	26	2	1977-1993	0.87	M-v	5	Williams	25437	3437 T-3
4017 T-3	14.5	970601	132.37175	213.09677	46.42711	5.34375	0.0516308	2.1916099	19	4	1977-1993	1.08	M-v	2	Williams	23786	4017 T-3
4092 T-3	13.5	970601	26.20999	354.45315	180.70355	13.17530	0.0971362	2.6726755	44	7	1977-1997	0.85	M-v	1	Williams	24915	4092 T-3
4190 T-3	13.0	970601	51.65175	21.54492	60.25332	8.84432	0.1989655	2.7673742	25	5	1968-1997	0.87	M-v	2	Williams	23681	4190 T-3
4197 T-3	14.0	970601	240.28444	290.52965	69.85580	4.67744	0.1129866	2.6211026	21	3	1977-1997	0.67	M-v	4	Williams	23989	4197 T-3
4304 T-3	14.0	970601	30.39903	17.83565	118.09343	4.48548	0.0274611	2.7124754	20	3	1977-1997	0.95	M-v	3	Williams	23534	4304 T-3
4314 T-3	13.0	970601	115.35883	179.33963	119.10675	3.24660	0.0483690	2.8385616	34	8	1954-1995	0.86	M-v	1	Williams	25652	4314 T-3
4354 T-3	15.0	970601	28.97914	250.92946	132.71325	4.01948	0.0718017	2.1832519	30	6	1954-1996	0.81	M-v	2	Williams	27732	4354 T-3

NEW NAMES OF MINOR PLANETS

(4057) Demophon = 1985 TQ

Discovered 1985 Oct. 15 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Named for a Greek warrior, the second son of Theseus and Phaedra. After fighting in the Trojan War, Demophon visited Thrace, where he caused the queen, Phyllis, to fall in love with him. On his return to Athens, Demophon's neglect of Phyllis' kindness and love led to her suicide.

(4249) Křemže = 1984 SC₂

Discovered 1984 Sept. 29 by A. Mrkos at Kleť.

Named for a small town in southern Bohemia north of Kleť Mountain. It was first mentioned as a village with the church of St. Michael Archangel in 1263, and as a town from the year 1365, but the site was first settled in ancient times. Name proposed by J. Tichá, M. Tichý and Z. Moravec.

(4277) Holubov = 1982 AF

Discovered 1982 Jan. 15 by A. Mrkos at Kleť.

Named for a picturesque village in southern Bohemia northeast of Kleť Mountain. Near Holubov there are ruins of a Gothic castle, Dívčí Kámen, founded in 1349 by Rožmberks on the site of a Bronze Age settlement. Name proposed by J. Tichá, M. Tichý and Z. Moravec, endorsed by M. J. Plavec.

(4287) Trísov = 1989 RU₂

Discovered 1989 Sept. 7 by A. Mrkos at Kleť.

Named for a village in southern Bohemia northeast of Kleť Mountain. Near the village there are remnants of the ancient Celtic town of Abilunon, founded in the first century B.C. on a strategic peninsula in the Vltava river. Name proposed by J. Tichá, M. Tichý and Z. Moravec.

(4379) Snelling = 1988 PT₁

Discovered 1988 Aug. 13 by C. S. Shoemaker and E. M. Shoemaker at Palomar.

Named in honor of Reginald and Heather Snelling. Former owners of Carranya Station in Western Australia and now owners of Leigh Creek Station in South Australia, the Snellings have been staunch friends and supporters of the discoverers in

their studies of Australian impact structures. It was “Reggie” Snelling who first called attention to another very small crater (Snelling Crater) on Carranya Station near Wolfe Creek Crater. These two Australians typify the independence, warmth and generosity the discoverers have come to think of as a national trait.

(4408) Zlatá Koruna = 1988 TH₂

Discovered 1988 Oct. 4 by A. Mrkos at Kleť.

Named for a Gothic monastery and a village in southern Bohemia east of Kleť Mountain. The Cistercian monastery of the Holy Crown of Thorns was founded there by the Czech king Přemysl Otakar II in 1263. The name of Kleť for the mountain was first mentioned in the monastery’s thirteenth-century documents. There is now a literature museum at the monastery. Name proposed by J. Tichá, M. Tichý and Z. Moravec.

(4610) Kájov = 1989 FO

Discovered 1989 Mar. 26 by A. Mrkos at Kleť.

Named for a village in southern Bohemia south of Kleť Mountain that is the pilgrimage site of a Gothic church of the Assumption, founded in the fourteenth century. Name proposed by J. Tichá, M. Tichý and Z. Moravec.

(4677) Robbiesh = 1986 VC

Discovered 1986 Nov. 4 by R. H. McNaught at Siding Spring.

Named for Hans-Christian Robert (Robbie) Wade Schmidt-Harms (b. 1986), son of Soo Tan and stepson of the discoverer. This minor planet was discovered three weeks after Robbie’s birth.

(4699) Sootan = 1986 VE

Discovered 1986 Nov. 4 by R. H. McNaught at Siding Spring.

Named for Soo Hoay Tan (b. 1956), partner of the discoverer and high-school science teacher. This asteroid was discovered two days before Soo’s thirtieth birthday.

(5402) Kejosmith = 1989 UK₂

Discovered 1989 Oct. 27 by E. F. Helin at Palomar.

Named in honor of Keith C. Smith and Joan Furlong of University College, London, on the occasion of their wedding. Keith is a stellar spectroscopist whose work on abundance analyses of ultraviolet and optical spectra of HgMn stars and on non-LTE effects in OB stars is well-known to his colleagues worldwide. Joan is a laboratory spectroscopist and has recently moved from UCL to the metrology division of the U.K. National Physical Laboratory. Name suggested and citation prepared by M. M. Dworetsky.

(5438) Lorre = 1990 QJ

Discovered 1990 Aug. 18 by E. F. Helin at Palomar.

Named in honor of Jean Lorre, one of the original members of the Image Processing Laboratory at the Jet Propulsion Laboratory. He has been working on JPL flight projects since 1971 and was the first to apply image processing techniques to astronomical images outside of the NASA flight projects. His expertise encompasses map projections, correlation, photometric functions, color reproduction, camera calibration, SAR, stereo, morphing and filtering. His latest astronomical project has been to optimize the NEAT processing algorithms. The NEAT team wishes to acknowledge his important contributions in software development.

(5551) Glikson = 1982 BJ

Discovered 1982 Jan. 24 by C. S. Shoemaker and E. M. Shoemaker at Palomar.

Named in honor of Andrew Y. Glikson, retired senior research scientist with the Australian Geological Survey Organisation. Glikson, a geologist of vision and creativity, is one of the leading investigators of the early Precambrian. He is especially noted for his work on the Archean of Western Australia and on the complex rocks of the Musgrave Block. He is also well known for his work on impact craters and on the possible role of impacts in the geology of the Archean.

(5579) Uhlherr = 1988 JL

Discovered 1988 May 11 at Palomar.

Named in honor of engineer H. Ralph Uhlherr, a founder of the Siemens plant in Melbourne. An indefatigable collector of tektites, Uhlherr has meticulously recorded and mapped over a thousand australites from the Port Campbell Embayment of Victoria, thereby helping to resolve the conflict between the apparent young stratigraphic age of the tektites and the middle Pleistocene ages obtained by various chronometric methods.

(5632) Ingelehmman = 1993 GG

Discovered 1993 Apr. 15 at Palomar.

Named in honor of Inge Lehmann (1888–1993), Danish seismologist and a pioneer in the field when the science of seismology was still young and unexplored. She made fundamental contributions to the study of geophysics and was the first chief of the seismology department of the newly established Royal Danish Geodetic Institute. Her most important contribution suggested a new discontinuity in the seismic structure of the earth, now known as the Lehmann discontinuity, a region that divides the core into inner and outer parts. In later years, Lehmann became an authority on the structure of the upper mantle.

(5670) Rosstaylor = 1985 VF₂

Discovered 1985 Nov. 7 by C. S. Shoemaker and E. M. Shoemaker at Palomar.

Named in honor of Stuart Ross Taylor, one of the world’s leading geochemists, who has worked extensively on the abundances of the elements in the earth, moon and meteorites. His high-precision analyses have taught us much about the origin and evolution of the earth’s continental crust, the sources of magmas, and the origin and evolution of the moon. As an author, he has presented comprehensive overviews of lunar and planetary science.

(5725) Nördlingen = 1988 BK₂

Discovered 1988 Jan. 23 by C. S. Shoemaker and E. M. Shoemaker at Palomar.

Named for the attractive, medieval, walled city located in the heart of the Ries Basin, site of an impact crater formed by a comet or a minor planet 15 million years ago. Nördlingen is the central town of the Danube-Ries district of the Bavarian region of Swabia. The first records of this city date back to A.D. 750–800, and its position on important trade routes allowed it to develop into a market town and cultural center. Its St. Georges Cathedral is the largest building ever constructed from suevite, the local stone created by the impact.

(5726) Rubin = 1988 BN₂

Discovered 1988 Jan. 24 by C. S. Shoemaker and E. M. Shoemaker at Palomar.

Named in honor of American astronomer Vera Cooper Rubin (b. 1928), who has studied the motions of gas and stars in galaxies and the motions of galaxies in clusters. Her observations have been fundamental to our understanding of the distribution of mass in the universe. A member of the National Academy of Sciences, she received

the National Medal of Science in 1993 and in 1996 became only the second woman to receive the Gold Medal of the Royal Astronomical Society.

(5765) Izett = 1986 GU

Discovered 1986 Apr. 4 by C. S. Shoemaker and E. M. Shoemaker at Palomar. Named in honor of Glen A. Izett, an American geologist of many talents. Izett has carried out the most detailed studies of the Cretaceous-Tertiary boundary clay layers in the western United States and their implications for the great impact event that terminated the Cretaceous. He has also contributed the most precise determinations of the ages of tektites from the extensive Australasian strewn field. His work with John Obradovich on the ages of volcanic ashes and tektites has led to the most highly refined time scale for the reversals of the geomagnetic field in the late Quaternary.

(5870) Baltimore = 1989 CC₁

Discovered 1989 Feb. 11 by E. F. Helin at Palomar.

Named for the city located on the Chesapeake Bay in Maryland. Celebrating the bicentennial of its 1797 incorporation, Baltimore is home to the Maryland Academy of Sciences, founding organization of the Maryland Science Center, also celebrating its 200th year. Baltimore is also home to the Space Telescope Science Institute and Johns Hopkins University. Named by the discoverer following a suggestion by J. O'Leary.

(5897) Novotná = 1984 SZ₁

Discovered 1984 Sept. 29 by A. Mrkos at Kleř.

Named in memory of Jarmila Novotná-Daubková (1907–1994), Czech opera singer, who lived in the U.S. from 1948, where she was engaged at the Metropolitan Opera in New York for 16 seasons. She is also known for *The Songs of Lidice*, a selection of Czech and Moravian folk songs, which she recorded with Jan Masaryk in 1942. Name suggested by J. Tichá on the occasion of ninetieth anniversary of Novotná's birth.

(5999) Plescia = 1987 HA

Discovered 1987 Apr. 23 by C. S. Shoemaker and E. M. Shoemaker at Palomar.

Named in honor of Jeffrey B. Plescia, a versatile scientist at the Jet Propulsion Laboratory who works with equal ease in geology, geophysics and planetary science. He has been a leading investigator of the cratering history of the satellites of Jupiter, Saturn and Uranus. More recently, Plescia has pursued gravity studies of terrestrial impact craters, including Upheaval Dome in Utah, the Manson structure of Iowa, and the Mt. Toondina, Kelly West and Teague Ring structures in Australia.

(6411) Tamaga = 1993 TA

Discovered 1993 Oct. 8 by R. H. McNaught at Siding Spring.

Named for *The Astronomer*, a British magazine in which active amateur astronomers publish and discuss their observations. Founded in 1964 by James Muirden as *The Casual Astronomer*, the magazine has developed over the years to include rapid discovery announcements and many other initiatives by the current editor, Guy Hurst. The search programs for novae and supernovae and the observational programs for cataclysmic variables initiated through the magazine have been most successful. The subscribers include many of the most active and talented amateurs in the U.K. and overseas. The discoverer's own interest in observational astronomy was spurred by *TA*.

(6583) Destinn = 1984 DE

Discovered 1984 Feb. 21 by A. Mrkos at Kleř.

Named in memory of Ema Destinn (1878–1930), Czech opera singer, considered one of the finest sopranos of the early twentieth century, particularly together with the excellent tenor of Enrico Caruso. Name suggested by J. Tichá.

(6585) O'Keefe = 1984 SR

Discovered 1984 Sept. 26 by C. S. Shoemaker and E. M. Shoemaker at Palomar.

Named in honor of John Aloysius O'Keefe (b. 1916), American astronomer and a leading figure in establishing the Theoretical Division of NASA's Goddard Space Flight Center. He is renowned for his discovery of the "pear shape" of the gravitational field of the earth from observations of the the first artificial satellites. He is one of the leading students of tektites and has stimulated much interest and research on these natural glasses and played a key role in helping to found the astrogeology program of the U.S. Geological Survey.

(6708) Bobbievaile = 1989 AA₅

Discovered 1989 Jan. 4 by R. H. McNaught at Siding Spring Observatory.

Named in memory of Roberta (Bobbie) Vaile (1959–1996), lecturer in physics at the University of Western Sydney. Bobbie Vaile excelled in communicating the beauty and complexity of science to students and to the wider community. The SETI Australia Centre was founded at the UWS as a result of Bobbie's participation in the Search for Extraterrestrial Intelligence and her innovative use of SETI for teaching science. A profound faith sustained her during the achievements of her last seven years, while a brain tumor took its toll. To many colleagues and students Bobbie was a uniquely understanding and close friend, and she remains an inspiration. Name proposed by P. Cass and the discoverer, citation prepared by J. Caswell.

(6877) Giada = 1994 TB₂

Discovered 1994 Oct. 10 by V. S. Casulli at Colleverde di Guidonia.

Named in honor of Giada Casulli (b. 1978), daughter of the discoverer.

(7066) Nessus = 1993 HA₂

Discovered 1993 Apr. 26 by Spacewatch at Kitt Peak.

Named for the centaur responsible for the death of Heracles. Driven from his home in Arcadia by Heracles, Nessus established himself as a ferryman who later encountered Heracles on travels with his new bride Dejanira. Entrusted with ferrying Dejanira across the river Evenus, Nessus attempted to violate her and was as a result killed by Heracles. Before dying, Nessus gave Dejanira a poisonous love charm that she later unwittingly administered to Heracles.

(7088) Ishtar = 1992 AA

Discovered 1992 Jan. 1 at Palomar.

Named for the chief goddess of the Mesopotamian pantheon and a principal goddess of the Assyrians and Babylonians. She was a goddess of love, fertility, sex and war. Not only did she rule the moon, but Ishtar owned the morning and evening stars. As the morning star, the goddess arrayed herself in armor and hitched her chariot to seven lions before setting off in the dawn to hunt animals or humans. As the evening star, she was seen as the goddess "whose song is sweeter than honey and wine, sweeter than sprouts and herbs, superior even to pure cream".

(7092) Cadmus = 1992 LC

Discovered 1992 June 4 at Palomar.

Named for the son of the Phoenician king Agenor, and the brother of Europa, Cilix and Phoenix. He was famous for the search for his sister Europa, whom Zeus carried away. Cadmus overcame a dragon at Thebes with the assistance of Athena and sowed the dragon's teeth on the plain. Immediately, a company of armed men sprang up, ready for attack. Cadmus cast a stone into their midst and, in the resulting confusion, all but five of the warriors slew each other. The survivors became allies of Cadmus and helped him build Thebes. Cadmus married Harmonia, daughter of Aphrodite. It was he who introduced the use of letters into Greece.

(7095) Lamettrie = 1992 SB₂₂

Discovered 1992 Sept. 22 by E. W. Elst at the European Southern Observatory.

Named in memory of the French medical doctor and philosopher Julien Offray de La Mettrie (1709–1751). After publishing *Traité de l'Âme* in 1745, he had to flee to Holland, where he published *L'Homme-Machine* (1748). “‘Soul’ is just an empty word. Matter by its own has the faculty of perception.” In his last work *Discours préliminaire* (1751), he wrote: “How can one possibly think that reasoning is dangerous? It has never led to fanatics, sects or even theologians.”

(7099) Feuerbach = 1996 HX₂₅

Discovered 1996 Apr. 20 by E. W. Elst at the European Southern Observatory.

Named in memory of the famous German philosopher and moralist Ludwig Andreas Feuerbach (1804–1872). In his *Über Philosophie und Christentum* (1839), he claimed that “Christianity has in fact long vanished not only from the reason but from the life of mankind and is nothing more than an obsession”. But it is in his *Das Wesen des Christentums* (1841) that he put forward his ideas on religion: “God is merely the outward projection of man's inward nature”. His views were later endorsed in Germany by extremists in the struggle between church and state.

(7147) Feijth = 4015 P-L

Discovered 1960 Sept. 24 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Named in honor of Hendrik (Henk) Feijth (b. 1944), a devoted and true amateur astronomer: making variable star observations is his passion. Since the early 1960s he has been an observer in the variable star observing group Nederlandse Vereniging Voor Weeren Sterrenkunde, Werkgroep Veranderlijke Sterren. Since 1981 he has been this group's representative to the American Association of Variable Star Observers. Feijth has made nearly 100 000 observations of variable stars and has lectured and written articles for journals and books. Name proposed and citation prepared by T. Jurriens.

(7197) Pieroangela = 1994 BH

Discovered 1994 Jan. 16 by A. Boattini and M. Tombelli at Cima Ekar.

Named in honor of Piero Angela (b. 1928). A journalist and science writer, he has created hundreds of science programs for Italian television, including the weekly science magazine “Quark”. He has produced and hosted many popular series, such as “The Marvellous Machine” (a journey inside the human body) and “The Planet of the Dinosaurs”, both of which have been shown in more than 40 countries. He has written numerous books on a variety of subjects, including astronomy, biology, psychology and economics, and he has received two honorary doctorates from Italian universities in natural and biological sciences.

(7276) Maymie = 1983 RE

Discovered 1983 Sept. 4 at the Oak Ridge Observatory.

Named in honor of Marion R. Aymie, manager of the Human Resources Department at the Smithsonian Astrophysical Observatory from 1990 to 1997. A shrewd negotiator and trusted counselor, she is noted for her creativity, humanity and wisdom, as well as for having the courage and integrity to give her best advice, even when what she has to say may be difficult for the listener to hear.

(7345) Happer = 1992 OF

Discovered 1992 July 28 by R. H. McNaught at Siding Spring Observatory.

Named for Felix Happer, a character in Bill Forsyth's wonderful motion picture *Local Hero*. Happer desperately wanted a comet to be named for him; this minor planet will have to do. Name suggested by D. I. Steel, who prepared the citation.

(7359) Messier = 1996 BH

Discovered 1996 Jan. 16 by M. Tichý at Kleť.

Named in memory of Charles Messier (1730–1817), French astronomer and first “comet hunter”. He found more than a dozen comets and independently recovered Halley's Comet at its 1759 return. Nowadays, Messier is best known for his catalogue of 103 nebulae, star clusters and galaxies—a compilation he made in order to reduce confusion to comet hunters.

(7361) Endres = 1996 DN₁

Discovered 1996 Feb. 16 by the JPL/GEODSS Near-Earth Asteroid Tracking Project at Haleakala.

Named for Michael Hart Endres, who as former site manager of the GEODSS project played a seminal role in the early discussions, meetings and concepts that ultimately resulted in the establishment of the Near-Earth Asteroid Tracking (NEAT) program in collaboration with the U.S. Air Force using the Ground-Based Electro Optical Deep Space Surveillance (GEODSS) 1-m telescope. “Mike” for forty years thrived in a wide-ranging career from design, installation, operation of technical equipment and management of personnel associated with technical services at various companies. The NEAT team and GEODSS personnel heartily endorse the naming of the first NEAT numbered minor planet in his honor.

(7362) Rogerbyrd = 1996 EY

Discovered 1996 Mar. 15 by the JPL/GEODSS Near-Earth Asteroid Tracking Project at Haleakala.

Name in honor of Roger Byrd, who has 16 years experience in project management, systems research and development, computer systems, and electronics maintenance and repair. He has extensive management experience with the GEODSS Project. He is currently the site manager at the GEODSS site in Maui and he has obtained research and development experience working on radar projects and various space-related projects, as well as hands-on technical experience of hardware and software. The NEAT and GEODSS personnel salute his dedication by honoring him with one of the first numbered NEAT minor planets.

(7363) Esquibel = 1996 FA₁

Discovered 1996 Mar. 18 by the JPL/GEODSS Near-Earth Asteroid Tracking Project at Haleakala.

Named in honor of Albert Esquibel, who has for 19 years been active in project management and electronic maintenance. For the last 13 years he has been with the GEODSS project at the four U.S. Air Force sites. He has worked closely with the Jet Propulsion Laboratory as they first tested the NEAT instrument with the GEODSS telescope system in Maui. Through his diligence on site, the NEAT/GEODSS program has enjoyed unparalleled success with its autonomous NEO discovery program.

The NEAT and GEODSS personnel salute his dedication by honoring him with one of the first numbered NEAT minor planets.

(7461) Kachmokiam = 1984 TD

Discovered 1984 Oct. 3 at the Oak Ridge Observatory.

Named in honor of Katherine Galindo, Christine Galindo, Molly Thompson, Kimberly Galindo and Amy Galindo, nieces of Donna Thompson, administrator for the Minor Planet Center.

(7480) Norwan = 1994 PC

Discovered 1994 Aug. 1 at Palomar.

Norwan, as the “dancing porcupine woman” of the California Wintuns, was a goddess of light who brought food to earth. A daughter of earth and sun, Norwan danced, light as warm air, above growing plants; she kept dancing every day until sunset.

(7481) San Marcello = 1994 PA₁

Discovered 1994 Aug. 11 by A. Boattini and M. Tombelli at San Marcello Pistoiese.

Named for San Marcello Pistoiese, the mountain village where the Pian dei Termini Observatory is located and an important all-year holiday Tuscan resort. Founded by the Romans in 224 B.C., its name comes from the Roman Consul Marcus Claudius Marcellus. A pedestrian suspension bridge on the river Lima is the longest in the world.

(7493) Hirzo = 1995 US₂

Discovered 1995 Oct. 24 by J. Tichá at Kleť.

Named after Hirzo (?–1275), the knight of Bohemian king Přemysl Otakar II and the efficient surveyor of royal towns and castles. Hirzo founded the royal town of České Budějovice at the confluence of Vltava and Malše rivers in 1265. České Budějovice is the home town of the discoverer.

(7495) Feynman = 1995 WS₄

Discovered 1995 Nov. 22 by M. Tichý and Z. Moravec at Kleť.

Named in memory of Richard P. Feynman (1918–1988), outstanding theoretical physicist, 1965 Nobel prizewinner for physics, known for his works on liquid helium, quantum electrodynamics, elementary-particle physics and solid-state physics. Feynman was also an outstanding lecturer, and his three-volume introductory university course, *The Feynman lectures on physics*, has been an inspiration and a source of delight for generations of physicists and other scientists all over the world. His adventures, manner of thinking and curious character are recorded in *Surely you're joking, Mr. Feynman* and *What do you care what other people think?*

(7498) Blaník = 1996 BF

Discovered 1996 Jan. 16 by Z. Moravec at Kleť.

Named for a hill in central Bohemia located about 50 km southeast of Prague. According to myth, there sleeps inside the hill the army of St. Václav, which will come and help the Czech nation in its darkest hours.

(7536) Fahrenheit = 1995 WB₇

Discovered 1995 Nov. 21 by Y. Shimizu and T. Urata at the Nachi-Katsuura Observatory.

Named in memory of Daniel Gabriel Fahrenheit (1686–1736), German physicist who invented both the alcohol and mercury thermometers. He is best known for developing the temperature scale that bears his name. The number of this minor planet is related to 4169, the number of the minor planet honoring the inventor of

the Celsius temperature scale, in the same manner (to the nearest integer) as the relationship between the Celsius and Fahrenheit scales. Named by the Small Bodies Names Committee following a suggestion by G. V. Williams.

EPHEMERIDES**C/1997 G1 (Montani)**

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2	Elements MPC 29569
1997 04 22		07 24.59	+19 43.5	4.570	4.469	77.9	12.7	18.8		
1997 05 02		07 32.39	+19 26.8	4.689	4.447	70.1	12.3	18.8		
1997 05 12		07 41.13	+19 06.2	4.802	4.427	62.5	11.7	18.9		
1997 05 22		07 50.67	+18 41.6	4.908	4.408	55.2	10.9	18.9		
1997 06 01		08 00.88	+18 12.6	5.004	4.391	48.0	9.9	18.9		
1997 06 11		08 11.64	+17 39.2	5.089	4.375	41.1	8.8	18.9		
1997 06 21		08 22.84	+17 01.3	5.162	4.361	34.3	7.5	19.0		

1997 CU₂₆

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V	Elements MPC 29641
1997 04 22		08 24.12	+15 38.1	13.782	13.864	92.6	4.2	17.8	$a, e, i = 15.87, 0.19, 23$
1997 05 02		08 24.88	+15 33.3	13.942	13.857	83.1	4.1	17.8	
1997 05 12		08 26.10	+15 26.8	14.098	13.850	73.8	4.0	17.8	
1997 05 22		08 27.73	+15 18.8	14.247	13.843	64.6	3.8	17.8	
1997 06 01		08 29.74	+15 09.1	14.385	13.836	55.5	3.5	17.8	
1997 06 11		08 32.09	+14 58.0	14.507	13.829	46.6	3.1	17.8	
1997 06 21		08 34.72	+14 45.4	14.612	13.822	37.7	2.6	17.8	

1997 GH₃

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V	Elements MPC 29575
1997 04 22		09 34.97	+16 21.4	0.311	1.144	108.8	56.3	16.8	$a, e, i = 2.48, 0.57, 3$
1997 05 02		10 36.86	+12 22.4	0.347	1.194	114.5	50.2	17.0	
1997 05 12		11 28.45	+08 04.5	0.404	1.253	118.1	45.3	17.3	
1997 05 22		12 10.17	+04 03.9	0.480	1.317	119.6	41.9	17.6	
1997 06 01		12 44.20	+00 32.4	0.572	1.387	119.2	39.7	18.1	
1997 06 11		13 12.83	-02 31.2	0.679	1.459	117.5	38.1	18.5	
1997 06 21		13 37.83	-05 11.3	0.799	1.534	114.8	37.0	18.9	
1997 07 01		14 00.38	-07 32.2	0.931	1.609	111.3	36.0	19.4	
1997 07 11		14 21.33	-09 37.4	1.074	1.686	107.4	35.1	19.7	
1997 07 21		14 41.25	-11 29.3	1.226	1.762	103.1	34.2	20.1	
1997 07 31		15 00.47	-13 09.4	1.387	1.837	98.6	33.1	20.4	
1997 08 10		15 19.27	-14 38.8	1.555	1.912	93.8	31.9	20.7	
1997 08 20		15 37.82	-15 58.3	1.728	1.985	88.9	30.6	21.0	

1997 ET₃₀

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V	Elements MPC 29573
1997 04 22		10 04.16	+17 14.1	1.439	2.074	115.0	26.1	20.6	$a, e, i = 2.14, 0.45, 7$
1997 05 02		10 04.55	+16 23.5	1.498	2.019	105.7	28.7	20.7	
1997 05 12		10 08.37	+15 16.7	1.559	1.962	97.3	30.7	20.7	
1997 05 22		10 15.24	+13 55.5	1.619	1.905	89.7	32.1	20.8	
1997 06 01		10 24.75	+12 21.0	1.675	1.847	82.8	33.0	20.8	
1997 06 11		10 36.57	+10 33.7	1.725	1.788	76.6	33.5	20.8	
1997 06 21		10 50.41	+08 33.9	1.768	1.729	71.0	33.8	20.8	
1997 07 01		11 06.05	+06 22.0	1.803	1.669	65.9	33.8	20.8	
1997 07 11		11 23.39	+03 58.1	1.830	1.610	61.2	33.6	20.7	

1997 GF ₃									$a, e, i = 3.05, 0.42, 42$					Elements MPC 29575			
Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V									
1997 04 22		13 17.82	+09 37.4	0.843	1.808	155.9	13.1	19.2	1997 12 18	23 12.77	-36 19.8	1.145	1.236	70.6	48.6	20.6	
1997 05 02		13 15.03	+15 40.1	0.917	1.825	143.0	19.4	19.6	1997 12 28	23 55.43	-30 16.1	1.205	1.298	71.9	46.1	20.7	
1997 05 12		13 14.54	+20 00.8	1.013	1.846	131.7	24.1	20.0	1998 01 07	00 31.99	-23 57.4	1.284	1.363	72.5	43.5	20.9	
1997 05 22		13 16.71	+22 50.9	1.124	1.869	122.0	27.3	20.3	1998 01 17	01 03.91	-17 47.5	1.382	1.431	72.2	40.9	21.1	
1997 06 01		13 21.45	+24 28.8	1.245	1.896	113.7	29.3	20.6	1998 01 27	01 32.44	-12 01.0	1.496	1.501	71.1	38.4	21.3	
1997 06 11		13 28.53	+25 11.8	1.372	1.925	106.5	30.4	20.9	1998 02 06	01 58.55	-06 45.1	1.624	1.571	69.1	35.9	21.5	
1997 06 21		13 37.64	+25 14.2	1.501	1.957	100.2	30.7	21.2	1998 02 16	02 22.92	-02 02.4	1.762	1.641	66.5	33.5	21.7	
									1998 02 26	02 46.05	+02 07.8	1.909	1.712	63.3	31.1	21.9	

1997 GO ₂₇									$a, e, i = 1.43, 0.07, 18$					Elements MPC 29577				
Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V	Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
1997 04 22		14 23.67	+09 04.2	0.485	1.466	157.9	14.9	18.6	1997 04 22		15 53.44	-08 34.8	3.622	4.532	151.7	6.0	17.9	
1997 05 02		14 13.58	+14 39.3	0.495	1.456	149.5	20.6	18.8	1997 05 02		15 44.64	-09 18.8	3.495	4.466	162.4	3.9	17.7	
1997 05 12		14 04.66	+18 44.9	0.522	1.447	139.2	27.1	19.1	1997 05 12		15 34.67	-10 08.0	3.400	4.401	170.8	2.1	17.6	
1997 05 22		13 58.94	+21 12.0	0.561	1.437	129.6	32.9	19.4	1997 05 22		15 24.04	-11 02.3	3.341	4.336	168.0	2.8	17.5	
1997 06 01		13 57.37	+22 12.7	0.607	1.426	121.3	37.4	19.7	1997 06 01		15 13.31	-12 01.4	3.315	4.272	157.9	5.1	17.4	
1997 06 11		14 00.10	+22 04.9	0.656	1.416	114.1	40.9	19.9	1997 06 11		15 03.09	-13 04.8	3.323	4.208	146.7	7.6	17.3	
1997 06 21		14 06.84	+21 05.7	0.706	1.406	108.1	43.4	20.2	1997 06 21		14 53.94	-14 12.0	3.359	4.146	135.5	9.9	17.3	
1997 07 01		14 17.02	+19 28.8	0.755	1.396	103.0	45.2	20.3	1997 07 01		14 46.25	-15 22.8	3.420	4.084	124.6	11.8	17.3	
1997 07 11		14 30.17	+17 23.4	0.803	1.386	98.6	46.5	20.5	1997 07 11		14 40.29	-16 36.8	3.500	4.023	114.0	13.3	17.3	
1997 07 21		14 45.88	+14 57.3	0.849	1.377	94.8	47.3	20.6	1997 07 21		14 36.19	-17 54.2	3.593	3.963	104.0	14.4	17.3	
1997 07 31		15 03.80	+12 16.1	0.893	1.368	91.4	47.9	20.7	1997 07 31		14 33.95	-19 14.9	3.693	3.903	94.3	15.0	17.3	
1997 08 10		15 23.74	+09 24.4	0.934	1.360	88.5	48.2	20.8	1997 08 10		14 33.52	-20 39.0	3.797	3.845	85.1	15.2	17.2	
1997 08 20		15 45.57	+06 26.9	0.974	1.353	85.8	48.3	20.9	1997 08 20		14 34.79	-22 06.6	3.898	3.788	76.3	15.0	17.2	
1997 08 30		16 09.13	+03 27.7	1.014	1.346	83.4	48.2	21.0	1997 08 30		14 37.65	-23 37.8	3.993	3.733	67.9	14.5	17.2	
									1997 09 09		14 41.97	-25 12.7	4.079	3.678	59.9	13.7	17.2	
									1997 09 19		14 47.63	-26 51.4	4.153	3.625	52.2	12.6	17.2	
									1997 09 29		14 54.54	-28 33.8	4.214	3.573	44.8	11.4	17.2	
									1997 10 09		15 02.63	-30 20.0	4.258	3.524	37.9	10.0	17.1	
									1997 10 19		15 11.81	-32 10.2	4.285	3.475	31.5	8.6	17.1	

1994 ND									$a, e, i = 2.17, 0.52, 27$					Elements MPC 29619				
Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V	Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V	
1997 04 22		15 24.78	+28 35.1	1.266	2.096	134.3	20.1	21.1	1997 04 22		16 25.54	-29 08.9	2.475	3.325	142.0	10.7	20.8	
1997 05 02		15 11.73	+29 57.2	1.199	2.033	133.9	20.9	21.0	1997 05 02		16 18.30	-29 22.8	2.369	3.297	152.8	8.0	20.5	
1997 05 12		14 56.20	+30 27.7	1.150	1.968	131.2	22.7	20.9	1997 05 12		16 09.10	-29 27.5	2.288	3.269	163.4	5.1	20.3	
1997 05 22		14 40.02	+29 55.2	1.116	1.902	126.5	25.3	20.8	1997 05 22		15 58.63	-29 21.8	2.235	3.239	171.0	2.8	20.1	
1997 06 01		14 25.17	+28 17.4	1.097	1.834	120.6	28.4	20.8	1997 06 01		15 47.79	-29 05.8	2.212	3.209	167.1	4.1	20.1	
1997 06 11		14 13.32	+25 39.3	1.089	1.766	114.0	31.7	20.8	1997 06 11		15 37.56	-28 41.7	2.218	3.177	156.9	7.2	20.3	
1997 06 21		14 05.48	+22 11.5	1.090	1.696	107.2	34.9	20.8	1997 06 21		15 28.85	-28 13.2	2.250	3.145	146.1	10.4	20.4	
1997 07 01		14 01.92	+18 05.5	1.096	1.626	100.5	37.9	20.8	1997 07 01		15 22.26	-27 44.4	2.305	3.111	135.4	13.3	20.5	
1997 07 11		14 02.54	+13 30.9	1.105	1.555	94.2	40.7	20.8	1997 07 11		15 18.17	-27 19.1	2.378	3.077	125.1	15.7	20.7	
1997 07 21		14 07.03	+08 34.9	1.115	1.485	88.2	43.1	20.8	1997 07 21		15 16.70	-27 00.2	2.466	3.042	115.3	17.6	20.8	
1997 07 31		14 15.03	+03 22.7	1.123	1.416	82.7	45.3	20.7	1997 07 31		15 17.78	-26 49.0	2.562	3.006	106.1	18.9	20.9	
1997 08 10		14 26.32	-02 02.8	1.130	1.348	77.8	47.3	20.7	1997 08 10		15 21.27	-26 46.0	2.664	2.969	97.3	19.8	21.0	
1997 08 20		14 40.74	-07 39.0	1.133	1.284	73.3	49.0	20.6	1997 08 20		15 26.97	-26 50.8	2.767	2.931	89.1	20.2	21.1	
1997 08 30		14 58.33	-13 23.4	1.133	1.223	69.4	50.6	20.6	1997 08 30		15 34.68	-27 02.4	2.868	2.892	81.2	20.2	21.1	
1997 09 09		15 19.34	-19 13.1	1.129	1.169	66.1	52.0	20.5	1997 09 09		15 44.21	-27 19.4	2.965	2.852	73.7	19.8	21.1	
1997 09 19		15 44.22	-25 03.2	1.121	1.122	63.5	53.2	20.5	1997 09 19		15 55.39	-27 40.5	3.056	2.812	66.6	19.1	21.1	
1997 09 29		16 13.71	-30 46.0	1.111	1.086	61.6	54.2	20.4										
1997 10 09		16 48.92	-36 10.1	1.099	1.060	60.5	55.1	20.3										
1997 10 19		17 31.11	-40 58.0	1.087	1.048	60.2	55.6	20.3										
1997 10 29		18 21.33	-44 45.1	1.075	1.050	60.8	55.7	20.3										
1997 11 08		19 19.35	-47 01.2	1.068	1.065	62.2	55.4	20.3										
1997 11 18		20 22.32	-47 18.9	1.068	1.093	64.1	54.4	20.3										
1997 11 28		21 25.07	-45 25.9	1.079	1.132	66.3	52.9	20.4										
1997 12 08		22 22.69	-41 35.5	1.103	1.181	68.6	51.0	20.5										

C/1997 G2 (Montani) Elements MPC 29569

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
1997 04 22		15 53.44	-08 34.8	3.622	4.532	151.7	6.0	17.9	
1997 05 02		15 44.64	-09 18.8	3.495	4.466	162.4	3.9	17.7	
1997 05 12		15 34.67	-10 08.0	3.400	4.401	170.8	2.1	17.6	
1997 05 22		15 24.04	-11 02.3	3.341	4.336	168.0	2.8	17.5	
1997 06 01		15 13.31	-12 01.4	3.315	4.272	157.9	5.1	17.4	
1997 06 11		15 03.09	-13 04.8	3.323	4.208	146.7	7.6	17.3	
1997 06 21		14 53.94	-14 12.0	3.359	4.146	135.5	9.9	17.3	
1997 07 01		14 46.25	-15 22.8	3.420	4.084	124.6	11.8	17.3	
1997 07 11		14 40.29	-16 36.8	3.500	4.023	114.0	13.3	17.3	
1997 07 21		14 36.19	-17 54.2	3.593	3.963	104.0	14.4	17.3	
1997 07 31		14 33.95	-19 14.9	3.693	3.903	94.3	15.0	17.3	
1997 08 10		14 33.52	-20 39.0	3.797	3.845	85.1	15.2	17.2	
1997 08 20		14 34.79	-22 06.6	3.898	3.788	76.3	15.0	17.2	
1997 08 30		14 37.65	-23 37.8	3.993	3.733	67.9	14.5	17.2	
1997 09 09		14 41.97	-25 12.7	4.079	3.678	59.9	13.7	17.2	
1997 09 19		14 47.63	-26 51.4	4.153	3.625	52.2	12.6	17.2	
1997 09 29		14 54.54	-28 33.8	4.214	3.573	44.8	11.4	17.2	
1997 10 09		15 02.63	-30 20.0	4.258	3.524	37.9	10.0	17.1	
1997 10 19		15 11.81	-32 10.2	4.285	3.475	31.5	8.6	17.1	

1985 UJ $a, e, i = 2.63, 0.42, 9$ Elements MPC 25225

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 04 22		16 2						

Date	TT	α_{2000}	δ_{2000}	Δ	r	Elements MPC 23134	
		$a, e, i = 1.83, 0.41, 2$			Variation		V
1997 05 12	17 11.79	-21 51.0	1.331	2.275	152.5	11.8	19.1
1997 05 22	17 04.33	-21 14.6	1.229	2.220	163.9	7.3	18.7
1997 06 01	16 54.24	-20 30.6	1.151	2.164	175.5	2.1	18.2
1997 06 11	16 42.62	-19 40.9	1.098	2.107	171.3	4.2	18.2
1997 06 21	16 31.05	-18 49.7	1.069	2.051	159.1	10.2	18.4
1997 07 01	16 21.15	-18 02.6	1.062	1.994	147.1	16.1	18.5
1997 07 11	16 14.27	-17 25.3	1.074	1.938	135.9	21.4	18.6
1997 07 21	16 11.28	-17 01.8	1.099	1.882	125.6	26.0	18.8
1997 07 31	16 12.45	-16 53.2	1.134	1.827	116.3	29.9	18.9
1997 08 10	16 17.79	-16 58.2	1.174	1.773	108.1	32.9	19.0
1997 08 20	16 27.09	-17 14.2	1.216	1.721	100.7	35.3	19.1
1997 08 30	16 40.02	-17 37.4	1.259	1.670	94.2	37.1	19.1
1997 09 09	16 56.34	-18 03.7	1.299	1.622	88.4	38.4	19.2
1997 09 19	17 15.74	-18 28.4	1.338	1.577	83.4	39.2	19.2
1997 09 29	17 37.96	-18 47.0	1.373	1.536	78.9	39.8	19.2
1997 10 09	18 02.76	-18 55.1	1.407	1.499	74.9	40.1	19.2
1997 10 19	18 29.82	-18 48.4	1.439	1.467	71.5	40.1	19.2
1997 10 29	18 58.81	-18 23.0	1.470	1.440	68.4	39.9	19.2
1997 11 08	19 29.37	-17 36.0	1.502	1.419	65.7	39.5	19.2
1997 11 18	20 01.09	-16 25.7	1.536	1.405	63.4	38.9	19.2
1997 11 28	20 33.52	-14 51.7	1.574	1.398	61.2	38.2	19.2

Date	TT	α_{2000}	δ_{2000}	Δ	r	Elements MPC 23134	
		$a, e, i = 1.83, 0.41, 2$			Variation		V
1997 04 22	18 04.64	-23 39.0	0.506	1.338	-7.71	-4.8	18.7
1997 05 02	18 41.81	-22 34.9	0.426	1.285	-9.13	-13.1	18.3
1997 05 12	19 24.43	-20 30.2	0.358	1.236	-10.53	-24.5	17.9
1997 05 22	20 13.12	-17 03.9	0.306	1.192	-11.56	-37.3	17.6
1997 06 01	21 07.12	-12 03.4	0.269	1.153	-11.78	-46.6	17.4
1997 06 11	22 03.52	-05 46.4	0.248	1.122	-10.98	-45.8	17.3
1997 06 21	22 58.22	+00 53.2	0.243	1.099	-9.43	-34.7	17.4
1997 07 01	23 47.73	+06 54.6	0.250	1.085	-7.76	-20.2	17.5
1997 07 11	00 30.09	+11 44.0	0.264	1.082	-6.46	-9.1	17.7
1997 07 21	01 05.04	+15 18.0	0.281	1.088	-5.68	-3.2	17.8
1997 07 31	01 32.94	+17 47.6	0.298	1.105	-5.37	-1.5	17.9
1997 08 10	01 53.88	+19 23.5	0.313	1.131	-5.47	-2.7	17.9
1997 08 20	02 07.90	+20 13.3	0.326	1.165	-5.86	-6.0	17.9
1997 08 30	02 14.82	+20 21.2	0.336	1.206	-6.45	-11.0	17.8
1997 09 09	02 14.45	+19 47.4	0.347	1.252	-7.11	-17.5	17.8
1997 09 19	02 07.50	+18 32.9	0.362	1.302	-7.63	-24.8	17.7
1997 09 29	01 55.66	+16 43.9	0.384	1.355	-7.82	-31.1	17.6
1997 10 09	01 41.70	+14 34.7	0.420	1.410	-7.53	-34.7	17.5
1997 10 19	01 28.82	+12 27.4	0.471	1.467	-6.84	-34.7	17.4
1997 10 29	01 19.18	+10 41.2	0.540	1.524	-5.95	-31.9	18.2
1997 11 08	01 13.84	+09 26.9	0.626	1.581	-5.03	-27.7	18.8
1997 11 18	01 12.83	+08 46.6	0.729	1.637	-4.21	-23.4	19.4
1997 11 28	01 15.57	+08 36.5	0.846	1.693	-3.52	-19.4	19.9
1997 12 08	01 21.44	+08 51.1	0.975	1.748	-2.97	-16.1	20.4
1997 12 18	01 29.82	+09 24.7	1.114	1.801	-2.53	-13.4	20.8
1997 12 28	01 40.17	+10 12.3	1.262	1.853	-2.18	-11.2	21.1

Date	TT	α_{2000}	δ_{2000}	Δ	r	Elements MPC 28890	
		$a, e, i = 2.43, 0.80, 2$			ϵ		ϕ
1996 SK							
1997 04 22	18 54.14	-20 28.5	1.108	1.724	109.3	33.4	19.8
1997 05 02	18 42.96	-20 24.5	1.097	1.837	121.6	27.9	19.8
1997 05 12	18 27.06	-20 23.2	1.096	1.946	134.9	21.6	19.7
1997 05 22	18 07.57	-20 20.4	1.114	2.050	149.1	14.7	19.6
1997 06 01	17 46.42	-20 13.1	1.159	2.150	163.5	7.7	19.5
1997 06 11	17 25.90	-20 01.2	1.232	2.247	176.3	1.7	19.4
1997 06 21	17 08.01	-19 47.2	1.337	2.339	167.7	5.3	19.9
1997 07 01	16 53.92	-19 34.9	1.469	2.429	155.0	10.2	20.4
1997 07 11	16 43.99	-19 27.5	1.626	2.515	143.2	14.0	20.9
1997 07 21	16 38.04	-19 26.1	1.803	2.599	132.3	16.8	21.2

Date	TT	α_{2000}	δ_{2000}	Δ	r	Elements MPC 28318	
		$a, e, i = 40.38, 0.28, 5$			ϵ		ϕ
1995 QY ₉							
1997 04 22	23 06.57	-05 31.9	30.371	29.686	46.4	1.4	22.0
1997 05 02	23 07.57	-05 25.2	30.237	29.683	55.8	1.6	22.0
1997 05 12	23 08.41	-05 19.5	30.087	29.679	65.3	1.8	22.0
1997 05 22	23 09.08	-05 14.9	29.926	29.675	74.7	1.9	22.0
1997 06 01	23 09.55	-05 11.5	29.757	29.672	84.2	1.9	22.0
1997 06 11	23 09.82	-05 09.3	29.585	29.668	93.7	2.0	22.0
1997 06 21	23 09.89	-05 08.4	29.416	29.665	103.2	1.9	21.9
1997 07 01	23 09.76	-05 08.8	29.252	29.661	112.8	1.8	21.9
1997 07 11	23 09.44	-05 10.4	29.100	29.658	122.4	1.7	21.9
1997 07 21	23 08.94	-05 13.1	28.963	29.654	132.1	1.5	21.9
1997 07 31	23 08.27	-05 16.8	28.846	29.651	141.8	1.2	21.8
1997 08 10	23 07.47	-05 21.4	28.751	29.647	151.6	0.9	21.8
1997 08 20	23 06.57	-05 26.7	28.682	29.644	161.5	0.6	21.8
1997 08 30	23 05.59	-05 32.4	28.641	29.640	171.4	0.3	21.7
1997 09 09	23 04.58	-05 38.3	28.630	29.636	178.6	0.0	21.7
1997 09 19	23 03.58	-05 44.2	28.647	29.633	168.7	0.4	21.7
1997 09 29	23 02.62	-05 49.8	28.694	29.630	158.6	0.7	21.8
1997 10 09	23 01.74	-05 54.9	28.769	29.626	148.5	1.0	21.8
1997 10 19	23 00.99	-05 59.3	28.870	29.623	138.4	1.3	21.8
1997 10 29	23 00.38	-06 02.8	28.993	29.619	128.3	1.5	21.9
1997 11 08	22 59.95	-06 05.2	29.135	29.616	118.2	1.7	21.9
1997 11 18	22 59.72	-06 06.3	29.291	29.612	108.1	1.8	21.9
1997 11 28	22 59.70	-06 06.2	29.456	29.609	97.9	1.9	21.9
1997 12 08	22 59.89	-06 04.7	29.626	29.605	87.9	1.9	21.9
1997 12 18	23 00.30	-06 01.9	29.794	29.602	77.8	1.9	22.0
1997 12 28	23 00.92	-05 57.9	29.956	29.598	67.8	1.8	22.0
1998 01 07	23 01.73	-05 52.6	30.107	29.595	57.8	1.6	22.0
1998 01 17	23 02.71	-05 46.2	30.242	29.592	47.9	1.4	22.0
1998 01 27	23 03.84	-05 38.8	30.358	29.588	38.0	1.2	21.9

Date	TT	α_{2000}	δ_{2000}	Δ	r	Elements MPC 23483			
		$a, e, i = 2.43, 0.80, 2$			ϵ		ϕ	m_1	m_2
2P/Encke									
1997 05 22	05 12.72	+23 18.7	1.072	0.334	18.2	70.8	4.5	16.8	
1997 05 27	05 39.98	+21 08.2	0.905	0.344	19.7	98.1	4.3	17.5	
1997 06 01	05 59.29	+18 03.4	0.750	0.401	20.0	120.5	4.9	18.8	
1997 06 06	06 12.65	+14 15.8	0.615	0.484	19.9	134.5	5.7	20.1	
1997 06 11	06 23.30	+09 35.9	0.501	0.575	20.8	141.2	6.4	20.8	
1997 06 16	06 34.03	+03 32.9	0.403	0.668	24.0	141.8	6.9	20.7	

1997 06 21	06 47.68	-04 53.2	0.318	0.760	30.7	136.9	7.2	19.9
1997 06 26	07 08.83	-17 27.2	0.249	0.850	42.6	126.0	7.4	18.5
1997 07 01	07 48.54	-36 06.5	0.202	0.937	61.4	107.7	7.6	16.9
1997 07 06	09 22.12	-57 52.3	0.191	1.021	85.8	83.4	8.0	15.9
1997 07 11	12 46.10	-67 40.9	0.220	1.102	107.1	61.9	8.8	15.6
1997 07 16	15 18.68	-61 58.4	0.277	1.180	120.1	48.2	9.8	15.9
1997 07 21	16 20.36	-54 40.4	0.350	1.256	126.4	40.6	10.7	16.3
1997 07 26	16 50.60	-49 07.0	0.432	1.329	128.7	36.6	11.5	16.8
1997 07 31	17 09.07	-45 02.3	0.520	1.400	128.7	34.4	12.3	17.2
1997 08 05	17 22.23	-41 58.4	0.612	1.469	127.4	33.2	12.9	17.7
1997 08 10	17 32.68	-39 36.1	0.708	1.536	125.4	32.6	13.5	18.1
1997 08 15	17 41.61	-37 42.9	0.808	1.601	122.8	32.1	14.1	18.4
1997 08 20	17 49.64	-36 10.6	0.910	1.665	120.0	31.8	14.6	18.8
1997 08 30	18 04.28	-33 48.0	1.122	1.786	113.8	31.1	15.5	19.3
1997 09 09	18 18.10	-32 01.4	1.342	1.902	107.3	30.4	16.3	19.8
1997 09 19	18 31.66	-30 36.2	1.568	2.012	100.6	29.4	17.0	20.3
1997 09 29	18 45.17	-29 24.3	1.797	2.117	93.9	28.2	17.7	20.6
1997 10 09	18 58.75	-28 20.3	2.029	2.217	87.2	26.7	18.2	21.0
1997 10 19	19 12.39	-27 21.0	2.260	2.313	80.4	25.1	18.7	21.2
1997 10 29	19 26.07	-26 23.9	2.488	2.405	73.7	23.3	19.2	21.5
1997 11 08	19 39.79	-25 27.7	2.710	2.493	66.8	21.4	19.6	21.7
1997 11 18	19 53.48	-24 31.2	2.925	2.577	60.0	19.4	20.0	21.9
1997 11 28	20 07.11	-23 33.8	3.130	2.658	53.2	17.3	20.3	22.0
1997 12 08	20 20.63	-22 35.1	3.323	2.736	46.3	15.1	20.7	22.1
1997 12 18	20 33.98	-21 35.0	3.502	2.811	39.4	12.8	21.0	22.2
1997 12 28	20 47.14	-20 33.4	3.664	2.883	32.4	10.5	21.2	22.3
1998 01 07	21 00.07	-19 30.5	3.809	2.952	25.5	8.2	21.5	22.3
1998 01 17	21 12.70	-18 26.5	3.935	3.018	18.5	5.9	21.7	22.3
1998 01 27	21 25.00	-17 21.8	4.041	3.082	11.5	3.6	21.9	22.3
1998 02 06	21 36.94	-16 16.6	4.125	3.143	4.6	1.4	22.0	22.3
1998 02 16	21 48.46	-15 11.6	4.188	3.202	3.5	1.1	22.2	22.3
1998 02 26	21 59.53	-14 07.2	4.228	3.259	10.3	3.1	22.3	22.5

1997 07 01	00 48.04	+10 45.2	2.482	2.583	-1.08	-4.4	17.1	22.1
1997 07 11	00 59.34	+11 54.0	2.341	2.561	-1.15	-4.5	16.9	22.0
1997 07 21	01 09.53	+12 53.6	2.203	2.541	-1.24	-4.7	16.8	21.8
1997 07 31	01 18.37	+13 42.6	2.067	2.522	-1.33	-4.8	16.6	21.7
1997 08 10	01 25.57	+14 18.9	1.938	2.504	-1.44	-5.1	16.4	21.5
1997 08 20	01 30.84	+14 40.5	1.817	2.488	-1.55	-5.4	16.3	21.3
1997 08 30	01 33.91	+14 45.5	1.706	2.473	-1.67	-5.8	16.1	21.1
1997 09 09	01 34.59	+14 31.9	1.610	2.460	-1.78	-6.2	15.9	20.8
1997 09 19	01 32.90	+13 59.0	1.530	2.448	-1.89	-6.8	15.8	20.6
1997 09 29	01 29.10	+13 07.5	1.472	2.438	-1.97	-7.3	15.7	20.3
1997 10 09	01 23.79	+12 00.7	1.437	2.430	-2.01	-7.7	15.6	20.1
1997 10 19	01 17.88	+10 44.9	1.428	2.423	-2.01	-7.9	15.6	19.9
1997 10 29	01 12.37	+09 28.2	1.446	2.418	-1.97	-7.8	15.6	20.2
1997 11 08	01 08.23	+08 19.1	1.488	2.414	-1.89	-7.5	15.7	20.5
1997 11 18	01 06.17	+07 24.5	1.553	2.413	-1.78	-7.1	15.8	20.7
1997 11 28	01 06.53	+06 48.3	1.637	2.413	-1.67	-6.5	15.9	20.9
1997 12 08	01 09.43	+06 31.8	1.738	2.415	-1.56	-5.9	16.0	21.1
1997 12 18	01 14.74	+06 34.4	1.850	2.418	-1.46	-5.4	16.2	21.3
1997 12 28	01 22.24	+06 53.8	1.971	2.423	-1.37	-4.9	16.3	21.5
1998 01 07	01 31.66	+07 27.5	2.099	2.430	-1.29	-4.4	16.5	21.7
1998 01 17	01 42.75	+08 12.6	2.230	2.439	-1.22	-4.0	16.6	21.8
1998 01 27	01 55.24	+09 06.2	2.363	2.449	-1.16	-3.7	16.8	21.9
1998 02 06	02 08.94	+10 05.9	2.497	2.461	-1.11	-3.3	16.9	22.0
1998 02 16	02 23.65	+11 09.2	2.629	2.475	-1.06	-3.0	17.0	22.1
1998 02 26	02 39.23	+12 13.8	2.758	2.490	-1.02	-2.6	17.2	22.2
1998 03 08	02 55.55	+13 18.0	2.883	2.506	-0.99	-2.3	17.3	22.3
1998 03 18	03 12.48	+14 19.9	3.003	2.524	-0.95	-2.0	17.4	22.3
1998 03 28	03 29.93	+15 18.1	3.118	2.543	-0.93	-1.6	17.5	22.4
1998 04 07	03 47.80	+16 11.3	3.226	2.563	-0.90	-1.3	17.6	22.4
1998 04 17	04 06.00	+16 58.4	3.327	2.585	-0.87	-1.0	17.7	22.5
1998 04 27	04 24.45	+17 38.5	3.419	2.607	-0.85	-0.7	17.8	22.5

C/1996 J1 (Evans-Drinkwater)

Elements MPC 27428

82P/Gehrels 3		Elements MPC 16381							
Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
1997 05 22	19 59.33	-19 42.6	4.016	4.646	123.1	10.5	21.4	22.5	
1997 06 01	19 57.44	-19 45.3	3.896	4.648	133.1	9.2	21.3	22.4	
1997 06 11	19 54.13	-19 52.1	3.795	4.650	143.5	7.5	21.2	22.3	
1997 06 21	19 49.58	-20 02.1	3.716	4.651	154.1	5.5	21.2	22.1	
1997 07 01	19 44.05	-20 14.4	3.664	4.653	164.9	3.3	21.2	22.0	
1997 07 11	19 37.90	-20 28.0	3.639	4.654	175.8	0.9	21.2	21.8	
1997 07 21	19 31.58	-20 41.6	3.645	4.655	172.9	1.5	21.2	21.8	
1997 07 31	19 25.54	-20 54.2	3.680	4.656	162.0	3.9	21.2	22.0	
1997 08 10	19 20.21	-21 05.0	3.743	4.656	151.2	6.0	21.2	22.2	
1997 08 20	19 15.96	-21 13.7	3.831	4.657	140.6	7.9	21.3	22.3	
1997 08 30	19 13.04	-21 20.0	3.940	4.657	130.3	9.5	21.3	22.4	

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
1997 05 22	01 33.01	+27 29.4	3.169	2.387	33.2	13.4	12.8		
1997 06 01	01 49.89	+29 22.0	3.215	2.494	37.9	14.5	13.0		
1997 06 11	02 05.60	+31 04.9	3.248	2.601	43.1	15.5	13.2		
1997 06 21	02 20.05	+32 39.0	3.270	2.707	48.6	16.4	13.4		
1997 07 01	02 33.14	+34 05.3	3.279	2.814	54.5	17.1	13.6		
1997 07 11	02 44.74	+35 24.4	3.277	2.920	60.9	17.7	13.7		
1997 07 21	02 54.68	+36 36.8	3.264	3.026	67.6	18.1	13.9		
1997 07 31	03 02.80	+37 43.0	3.242	3.132	74.8	18.2	14.0		
1997 08 10	03 08.90	+38 42.9	3.212	3.237	82.3	18.1	14.1		
1997 08 20	03 12.77	+39 35.9	3.177	3.341	90.4	17.6	14.2		
1997 08 30	03 14.26	+40 21.1	3.142	3.445	98.9	16.8	14.4		
1997 09 09	03 13.25	+40 56.7	3.108	3.548	107.8	15.7	14.5		
1997 09 19	03 09.75	+41 20.4	3.082	3.651	117.0	14.2	14.6		
1997 09 29	03 03.97	+41 29.7	3.068	3.752	126.6	12.4	14.7		
1997 10 09	02 56.29	+41 22.3	3.071	3.854	136.1	10.4	14.8		
1997 10 19	02 47.35	+40 56.9	3.096	3.954	145.1	8.3	14.9		
1997 10 29	02 37.93	+40 13.9	3.146	4.054	152.6	6.5	15.1		
1997 11 08	02 28.81	+39 15.8	3.225	4.154	156.7	5.4	15.2		
1997 11 18	02 20.73	+38 07.0	3.334	4.252	155.3	5.6	15.4		

P/1990 R1 (Mueller 2)		Elements MPC 23484						
Date	TT	α_{2000}	δ_{2000}	Δ	r	Variation	m_1	m_2
1997 05 22	23 55.51	+05 08.1	3.036	2.679	-0.85	-4.0	17.7	22.5
1997 06 01	00 09.46	+06 39.0	2.901	2.654	-0.90	-4.1	17.6	22.4
1997 06 11	00 22.95	+08 06.4	2.763	2.629	-0.95	-4.2	17.4	22.4
1997 06 21	00 35.85	+09 28.8	2.623	2.605	-1.01	-4.3	17.3	22.2

1997 11 28	02 14.19	+36 52.7	3.472	4.350	149.4	6.6	15.6		
1997 12 08	02 09.48	+35 38.2	3.638	4.448	141.1	8.0	15.8		
1997 12 18	02 06.70	+34 28.0	3.828	4.544	131.9	9.3	16.0		
1997 12 28	02 05.78	+33 25.1	4.038	4.641	122.4	10.3	16.2		
1998 01 07	02 06.58	+32 31.7	4.265	4.736	113.0	11.0	16.4		
1998 01 17	02 08.92	+31 48.3	4.503	4.831	103.6	11.4	16.6		
1998 01 27	02 12.58	+31 15.1	4.749	4.925	94.5	11.5	16.8		
1998 02 06	02 17.36	+30 51.4	4.997	5.019	85.6	11.3	17.0		
1998 02 16	02 23.09	+30 36.3	5.244	5.112	76.9	10.8	17.2		
1998 02 26	02 29.59	+30 28.7	5.486	5.205	68.5	10.2	17.4		
1998 03 08	02 36.71	+30 27.6	5.720	5.297	60.2	9.4	17.5		
1998 03 18	02 44.32	+30 31.8	5.942	5.389	52.2	8.4	17.7		
1998 03 28	02 52.30	+30 40.5	6.149	5.480	44.3	7.3	17.8		
1998 04 07	03 00.54	+30 52.6	6.341	5.570	36.7	6.2	18.0		

43P/Wolf-Harrington

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2	Elements MPC 23483
1997 05 22	01 38.13	+22 29.6	2.806	2.020	32.0	15.4	14.8	21.6		
1997 06 01	02 02.86	+24 16.7	2.706	1.965	35.2	17.3	14.6	21.5		
1997 06 11	02 28.86	+25 54.4	2.604	1.913	38.2	19.2	14.3	21.5		
1997 06 21	02 56.14	+27 19.3	2.503	1.862	41.2	21.1	14.0	21.4		
1997 07 01	03 24.70	+28 27.6	2.402	1.815	44.0	22.9	13.8	21.3		
1997 07 11	03 54.44	+29 15.6	2.304	1.770	46.8	24.7	13.5	21.2		
1997 07 21	04 25.16	+29 39.4	2.208	1.729	49.4	26.5	13.3	21.1		
1997 07 31	04 56.58	+29 35.8	2.115	1.692	52.0	28.2	13.1	21.0		
1997 08 10	05 28.30	+29 02.1	2.026	1.660	54.6	29.9	12.8	20.9		
1997 08 20	05 59.88	+27 56.9	1.942	1.633	57.2	31.4	12.6	20.8		
1997 08 30	06 30.89	+26 19.8	1.861	1.611	59.8	32.8	12.5	20.8		
1997 09 09	07 00.88	+24 12.1	1.785	1.595	62.5	34.1	12.3	20.7		
1997 09 19	07 29.50	+21 36.0	1.714	1.585	65.4	35.2	12.2	20.6		
1997 09 29	07 56.49	+18 34.7	1.646	1.582	68.4	36.1	12.1	20.6		
1997 10 09	08 21.61	+15 12.5	1.583	1.585	71.7	36.8	12.0	20.5		
1997 10 19	08 44.70	+11 33.7	1.523	1.594	75.3	37.2	12.0	20.4		
1997 10 29	09 05.64	+07 42.9	1.466	1.610	79.2	37.3	11.9	20.4		
1997 11 08	09 24.26	+03 45.0	1.412	1.631	83.5	37.1	11.9	20.3		
1997 11 18	09 40.40	-00 15.3	1.361	1.658	88.3	36.6	12.0	20.3		
1997 11 28	09 53.85	-04 13.3	1.313	1.691	93.5	35.6	12.0	20.2		
1997 12 08	10 04.29	-08 03.7	1.268	1.727	99.3	34.2	12.1	20.1		
1997 12 18	10 11.44	-11 40.7	1.227	1.768	105.6	32.4	12.2	20.1		
1997 12 28	10 15.01	-14 57.8	1.192	1.812	112.5	30.1	12.3	20.0		
1998 01 07	10 14.78	-17 46.7	1.164	1.860	119.8	27.3	12.4	19.9		
1998 01 17	10 10.89	-19 58.4	1.146	1.910	127.4	24.2	12.5	19.8		
1998 01 27	10 03.86	-21 24.8	1.141	1.963	134.7	20.9	12.7	19.8		
1998 02 06	09 54.75	-22 00.0	1.152	2.017	141.2	17.8	12.9	19.8		
1998 02 16	09 45.10	-21 44.8	1.181	2.073	145.7	15.6	13.1	19.8		
1998 02 26	09 36.40	-20 46.5	1.231	2.130	147.0	14.7	13.4	19.9		
1998 03 08	09 29.91	-19 17.6	1.301	2.188	144.8	15.1	13.7	20.1		
1998 03 18	09 26.32	-17 33.2	1.391	2.247	140.1	16.5	14.0	20.4		
1998 03 28	09 25.79	-15 46.1	1.501	2.306	133.8	18.2	14.3	20.6		
1998 04 07	09 28.15	-14 06.1	1.626	2.366	126.8	19.8	14.7	20.9		
1998 04 17	09 33.02	-12 39.4	1.767	2.426	119.7	21.1	15.0	21.2		
1998 04 27	09 39.97	-11 28.9	1.919	2.486	112.6	21.9	15.3	21.5		
1998 05 07	09 48.61	-10 35.7	2.080	2.546	105.7	22.4	15.7	21.7		

1998 05 17	09 58.56	-09 59.4	2.249	2.605	98.9	22.5	16.0	21.9		
1998 05 27	10 09.53	-09 38.9	2.424	2.665	92.3	22.3	16.3	22.1		
1998 06 06	10 21.27	-09 32.9	2.601	2.724	85.9	21.8	16.6	22.3		
1998 06 16	10 33.58	-09 39.7	2.780	2.782	79.6	21.0	16.9	22.5		

78P/Gehrels 2

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2	Elements MPC 23483
1997 05 22	01 39.95	+11 57.0	2.866	2.098	33.5	15.5	14.2	21.7		
1997 06 01	02 02.15	+13 41.4	2.787	2.075	37.4	17.3	14.1	21.7		
1997 06 11	02 24.74	+15 18.1	2.705	2.055	41.3	19.0	13.9	21.7		
1997 06 21	02 47.63	+16 45.3	2.623	2.038	45.2	20.7	13.8	21.7		
1997 07 01	03 10.77	+18 01.5	2.539	2.024	49.0	22.3	13.6	21.6		
1997 07 11	03 34.02	+19 05.2	2.454	2.013	53.0	23.8	13.5	21.6		
1997 07 21	03 57.23	+19 55.3	2.369	2.005	57.0	25.1	13.4	21.5		
1997 07 31	04 20.23	+20 31.0	2.283	2.001	61.1	26.4	13.3	21.5		
1997 08 10	04 42.78	+20 51.9	2.196	2.001	65.5	27.4	13.2	21.4		
1997 08 20	05 04.62	+20 58.1	2.110	2.003	70.0	28.3	13.2	21.4		
1997 08 30	05 25.50	+20 50.0	2.022	2.009	74.8	29.0	13.1	21.3		
1997 09 09	05 45.09	+20 28.8	1.935	2.019	79.9	29.4	13.0	21.2		
1997 09 19	06 03.09	+19 56.0	1.848	2.032	85.4	29.5	13.0	21.2		
1997 09 29	06 19.19	+19 13.5	1.762	2.047	91.4	29.3	13.0	21.1		
1997 10 09	06 33.00	+18 23.8	1.677	2.066	97.9	28.6	12.9	21.0		
1997 10 19	06 44.20	+17 29.4	1.595	2.088	105.0	27.4	12.9	20.8		
1997 10 29	06 52.44	+16 33.3	1.518	2.113	112.9	25.7	12.9	20.7		
1997 11 08	06 57.39	+15 38.7	1.449	2.140	121.5	23.3	12.9	20.6		
1997 11 18	06 58.88	+14 48.9	1.390	2.169	130.9	20.2	12.9	20.4		
1997 11 28	06 56.94	+14 06.7	1.344	2.201	141.0	16.4	13.0	20.2		
1997 12 08	06 51.92	+13 34.9	1.318	2.235	151.7	12.0	13.1	20.1		
1997 12 18	06 44.64	+13 15.2	1.313	2.270	162.3	7.6	13.2	19.9		
1997 12 28	06 36.24	+13 08.0	1.333	2.307	169.6	4.4	13.4	19.8		
1998 01 07	06 28.07	+13 12.6	1.379	2.346	166.1	5.8	13.6	20.0		
1998 01 17	06 21.38	+13 27.0	1.451	2.386	156.5	9.5	13.9	20.3		
1998 01 27	06 16.99	+13 48.7	1.547	2.427	146.1	13.1	14.1	20.6		
1998 02 06	06 15.34	+14 14.6	1.663	2.469	136.0	16.1	14.5	20.9		
1998 02 16	06 16.50	+14 42.2	1.797	2.513	126.4	18.4	14.8	21.2		
1998 02 26	06 20.27	+15 09.1	1.945	2.557	117.4	20.1	15.1	21.5		
1998 03 08	06 26.36	+15 33.3	2.103	2.601	109.0	21.2	15.4	21.7		
1998 03 18	06 34.40	+15 53.3	2.269	2.646	101.0	21.7	15.7	21.9		
1998 03 28	06 44.06	+16 07.8	2.440	2.692	93.5	21.7	16.0	22.1		
1998 04 07	06 55.03	+16 16.1	2.614	2.738	86.3	21.4	16.3	22.3		
1998 04 17	07 07.01	+16 17.7	2.788	2.784	79.4	20.8	16.6	22.5		

C/1996 P2 (Russell-Watson)

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2	Elements MPC 29067
1997 05 22	02 59.77	-06 49.4	6.010	5.162	30.4	5.7	17.0			
1997 06 01	03 07.73	-06 22.0	6.036	5.246	35.7	6.5	17.1			
1997 06 11	03 15.25	-06 02.0	6.045	5.329	41.6	7.3	17.2			
1997 06 21	03 22.24	-05 49.3	6.038	5.412	48.1	8.0	17.2			
1997 07 01	03 28.65	-05 43.7	6.016	5.495	54.9	8.7	17.3			
1997 07 11	03 34.36	-05 45.3	5.980	5.578	62.1	9.3	17.3			
1997 07 21	03 39.30	-05 53.8	5.934	5.660	69.6	9.7	17.4			
1997 07 31	03 43.39	-06 08.6	5.879	5.742	77.3	9.9	17.4			
1997 08 10	03 46.52	-06 29.4	5.818	5.824	85.3	10.0	17.5			

1997 08 20	03 48.62	-06 55.4	5.756	5.905	93.5	9.8	17.5
1997 08 30	03 49.65	-07 25.5	5.695	5.986	102.0	9.5	17.5
1997 09 09	03 49.55	-07 58.6	5.639	6.067	110.6	8.9	17.6
1997 09 19	03 48.32	-08 33.0	5.594	6.148	119.3	8.2	17.6
1997 09 29	03 46.02	-09 07.1	5.564	6.228	127.8	7.3	17.7
1997 10 09	03 42.73	-09 38.8	5.551	6.309	136.0	6.3	17.7
1997 10 19	03 38.64	-10 06.1	5.562	6.388	143.3	5.3	17.8
1997 10 29	03 33.94	-10 27.2	5.597	6.468	148.9	4.6	17.8
1997 11 08	03 28.90	-10 40.6	5.661	6.547	151.4	4.2	17.9
1997 11 18	03 23.81	-10 45.1	5.752	6.626	150.0	4.3	18.0
1997 11 28	03 18.95	-10 40.3	5.872	6.705	145.1	4.8	18.1
1997 12 08	03 14.58	-10 26.5	6.018	6.784	138.1	5.6	18.2
1997 12 18	03 10.91	-10 04.3	6.188	6.862	130.0	6.3	18.3
1997 12 28	03 08.07	-09 34.8	6.379	6.940	121.2	7.0	18.4
1998 01 07	03 06.18	-08 59.2	6.587	7.018	112.2	7.5	18.6
1998 01 17	03 05.24	-08 19.0	6.806	7.095	103.2	7.8	18.7
1998 01 27	03 05.26	-07 35.5	7.033	7.172	94.2	7.9	18.8
1998 02 06	03 06.19	-06 49.9	7.262	7.249	85.4	7.8	18.9
1998 02 16	03 07.95	-06 03.5	7.490	7.326	76.7	7.5	19.0

OPPOSITION DATA

Planet	Opposition	α_{2000}	δ_{2000}	V	$\dot{\alpha}$	$\dot{\delta}$	ϕ_{MIN}	MPC
1990 SN ₈	97 03 22.0	12 05.46	+05 48.7	17.1	-0.88	+ 4.7	2.3/20.0	29611
1991 RE ₁₅	97 03 22.0	12 05.58	-05 23.7	17.1	-1.09	+ 3.6	1.8/23.4	19680
1995 UX ₂	97 03 22.1	12 05.78	+09 46.8	17.4	-0.90	+ 2.1	3.4/19.0	29665
1997 EQ ₄₀	97 03 22.1	12 05.80	+09 06.3	17.7	-0.79	+ 9.8	3.5/18.5	29645
9523 P-L	97 03 22.1	12 05.96	+01 14.6	17.3	-1.06	+ 1.9	0.9/21.6	29668
4603 P-L	97 03 22.1	12 06.09	+04 04.9	17.5	-0.75	+ 4.7	1.3/20.6	29141
1994 PD ₃₄	97 03 22.1	12 06.12	-01 45.8	19.3	-0.88	+ 6.2	0.4/22.6	29620
9073 P-L	97 03 22.2	12 06.12	-02 51.9	17.5	-0.74	+ 3.8	0.6/22.9	29142
1989 GD ₅	97 03 22.2	12 06.25	+14 34.3	16.4	-1.02	+ 2.0	5.1/17.7	23537
1994 HB	97 03 22.4	12 07.03	-01 13.5	19.8	-1.02	+ 7.5	0.2/22.6	29619
1991 RC ₂₂	97 03 22.4	12 07.03	+04 18.9	16.8	-1.04	+ 5.4	2.0/20.9	29659
1981 JR ₂	97 03 22.5	12 07.25	+03 18.0	16.9	-1.03	+ 4.4	1.8/21.3	26166
1991 UJ ₄	97 03 22.6	12 07.56	-03 05.7	17.9	-0.91	+ 5.3	0.7/23.3	21976
1994 RC ₁	97 03 22.6	12 07.77	-03 14.2	17.7	-0.68	+ 6.1	0.6/23.5	29663
(7621)	97 03 22.6	12 07.82	-01 10.7	19.8	-0.71	+ 4.6	0.1/22.8	29605
3164 T-3	97 03 22.6	12 07.86	-05 39.6	17.5	-0.77	+ 8.9	1.5/24.4	21978
1977 EL ₁	97 03 22.6	12 07.94	-01 35.4	16.0	-1.06	+ 2.8	0.3/22.9	29607
1995 YL ₁	97 03 22.7	12 07.97	-04 35.3	18.5	-0.84	+ 5.6	1.0/23.9	29665
1991 VF ₄	97 03 22.7	12 08.11	+11 12.2	16.9	-0.92	+ 5.6	3.9/18.8	29660
1994 NJ ₁	97 03 22.7	12 08.31	-02 40.1	17.7	-0.95	+ 6.6	0.6/23.4	29663
1988 RR ₅	97 03 22.7	12 08.31	+00 14.7	17.2	-1.04	+ 5.2	0.5/22.4	29316
1955 UN ₁	97 03 22.8	12 08.71	+05 19.8	17.6	-1.02	+ 3.7	2.0/21.1	29651
1991 VE ₂	97 03 22.9	12 08.78	-18 20.2	16.6	-0.83	+ 9.0	5.9/29.4	26420
1997 EH ₁₅	97 03 22.9	12 08.88	-02 25.1	18.1	-0.97	- 0.4	0.5/23.3	29644
1986 WZ	97 03 22.9	12 09.02	-05 08.2	17.5	-0.83	+ 5.6	1.3/24.4	20924
1994 PU ₁₈	97 03 23.1	12 09.40	-01 01.4	19.6	-0.86	+ 4.9	0.0/23.1	29620
1995 UW ₃	97 03 23.4	12 10.58	-00 49.7	19.1	-0.95	+ 5.3	0.1/23.3	29625
1997 ED ₂₃	97 03 23.6	12 11.34	-01 45.5	17.5	-0.91	+ 3.9	0.2/23.8	29644
1993 FN	97 03 23.7	12 11.54	+00 09.6	17.1	-1.10	- 0.2	0.6/23.4	29662

3119 T-1	97 03 23.7	12 11.91	-04 12.0	17.2	-0.90	+ 6.2	1.2/24.7	26415
(6883)	97 03 23.8	12 11.93	+01 40.2	17.6	-0.73	+ 4.6	0.8/22.8	26736
1997 ES ₄₀	97 03 23.8	12 11.96	-02 57.0	17.9	-0.92	+ 7.8	0.6/24.4	29645
1981 DG ₂	97 03 24.0	12 12.64	-10 18.7	18.4	-0.72	+ 6.2	2.4/27.0	29653
1981 EA ₁₈	97 03 24.0	12 12.67	+02 25.6	18.4	-0.69	+ 8.4	1.2/22.6	26918
1994 PR ₂₇	97 03 24.0	12 12.76	-00 20.6	16.7	-0.88	+ 3.7	0.4/23.7	29663
1993 FB ₁	97 03 24.0	12 12.90	+13 44.5	15.9	-0.94	+ 3.7	6.0/19.2	29662
1995 YY ₇	97 03 24.0	12 12.97	-06 20.8	16.0	-0.92	+ 7.1	2.0/25.7	29665
4030 T-3	97 03 24.0	12 13.06	+04 02.0	18.5	-0.82	+ 6.4	1.8/22.3	27929
1997 EU ₁₆	97 03 24.1	12 13.02	-01 13.9	20.6	-0.72	+ 4.5	0.0/24.0	29644
1991 RA ₁₀	97 03 24.1	12 13.17	-11 11.9	17.3	-0.95	+ 6.1	3.7/27.3	20152
1993 OB ₁₃	97 03 24.2	12 13.53	-00 56.2	17.9	-0.77	+ 5.7	0.2/24.1	29662
1981 EF ₃₅	97 03 24.2	12 13.63	+00 25.4	18.6	-0.86	+ 7.0	0.7/23.6	29297
1979 QM ₁	97 03 24.2	12 13.78	-01 45.1	17.7	-0.78	+ 5.3	0.1/24.4	29607
1990 QE	97 03 24.3	12 13.80	-25 01.4	18.3	-0.99	+ 2.5	6.8/31.6	27728
1995 VG ₁₁	97 03 24.3	12 13.87	+14 22.6	17.8	-0.92	+ 2.5	6.5/19.5	26407
1981 EE ₃₉	97 03 24.3	12 14.13	+01 25.0	20.5	-0.71	+ 6.4	0.8/23.4	26922
1993 FA ₃₃	97 03 24.4	12 14.13	+02 57.0	17.3	-0.83	+ 7.4	1.7/22.9	26903
(7548)	97 03 24.5	12 14.51	-01 41.4	17.7	-0.75	+ 4.8	0.0/24.6	29588
(6820)	97 03 24.5	12 14.80	-00 16.2	16.5	-0.78	+ 5.8	0.4/24.1	26551
1990 RR ₇	97 03 24.6	12 14.87	+02 08.1	16.2	-0.83	+ 8.2	1.3/23.3	28614
(7317)	97 03 24.6	12 14.91	-01 26.9	15.9	-0.86	+ 8.5	0.1/24.6	28566
(7556)	97 03 24.6	12 14.98	-00 42.6	17.2	-0.80	+ 4.5	0.3/24.3	29590
1995 XH	97 03 24.6	12 15.07	+03 39.4	17.3	-0.83	+ 4.6	1.6/23.0	29665
1994 TR ₁	97 03 24.6	12 15.23	-08 27.8	17.7	-0.84	+ 8.2	2.0/27.0	24763
1990 SH ₁	97 03 24.7	12 15.40	-06 46.8	17.8	-0.77	+ 6.7	1.3/26.5	29658
1995 SQ ₁	97 03 24.7	12 15.58	-37 55.0	18.4	-1.34	- 0.2	12.6/05.6	26176
1991 RT ₅	97 03 24.9	12 16.19	+04 47.2	17.5	-1.01	+ 4.1	2.3/23.0	27120
9586 P-L	97 03 24.9	12 16.32	+05 55.6	17.0	-0.71	+ 6.1	2.5/22.3	29649
1997 GH ₁	97 03 25.0	12 16.31	-01 30.5	19.0	-0.83	+ 6.3	0.1/24.9	29647
1995 YN ₄	97 03 25.1	12 16.71	-07 43.0	17.0	-0.84	+ 3.0	1.7/27.0	29665
1981 EL ₅	97 03 25.2	12 17.01	-15 10.2	18.5	-0.75	+ 5.9	3.9/29.9	25078
1991 TE ₁	97 03 25.2	12 17.14	+24 57.1	16.4	-0.93	+ 3.5	9.9/16.1	29099
1997 GR ₄	97 03 25.2	12 17.39	-00 28.4	18.9	-0.89	+ 4.6	0.6/24.8	29647
1997 EW ₂₅	97 03 25.3	12 17.39	+01 04.7	17.3	-1.09	+ 2.3	1.3/24.5	29644
1981 EN ₂₂	97 03 25.3	12 17.55	-05 19.3	19.2	-0.94	+ 3.8	1.3/26.4	26919
1997 EO ₃₂	97 03 25.4	12 17.74	-01 17.7	19.3	-0.87	+ 6.0	0.2/25.2	29645
(6700)	97 03 25.4	12 17.90	+08 47.5	16.9	-0.87	+ 5.2	3.8/22.0	26152
5568 P-L	97 03 25.5	12 18.34	+04 08.4	17.6	-0.91	+ 3.6	1.9/23.7	22601
1997 GY ₂₆	97 03 25.5	12 18.36	-00 48.9	18.7	-0.75	+ 5.1	0.4/25.2	29648
1997 GH ₂₇	97 03 25.5	12 18.38	-00 23.3	17.1	-0.95	+ 4.5	0.6/25.1	29648
1995 QD ₃	97 03 25.6	12 18.80	-04 43.4	17.2	-0.96	+ 5.7	1.0/26.5	26192
1981 US ₂₂	97 03 25.7	12 18.97	+08 53.5	18.1	-0.98	+ 5.4	3.8/22.3	29654
1955 SF	97 03 25.7	12 19.16	-06 19.2	17.3	-1.04	+ 5.0	1.5/27.0	26417
1990 RV ₃	97 03 25.8	12 19.21	-04 03.1	19.2	-0.89	+ 4.8	0.6/26.4	25426
4638 P-L	97 03 25.8	12 19.24	-00 01.3	19.2	-0.84	+ 5.9	0.7/25.1	29648
1995 YO	97 03 25.9	12 19.69	+13 06.5	17.4	-0.72	+ 5.0	4.1/20.6	27731
(7547)	97 03 25.9	12 19.77	-00 34.1	18.2	-0.79	+ 5.9	0.5/25.4	29588
(6784)	97 03 26.0	12 19.93	+04 54.4	16.4	-0.83	+ 4.5	2.1/23.7	26388
1991 UG ₃	97 03 26.0	12 20.11	-05 53.2	17.9	-0.93	+ 5.3	1.2/27.2	26925
1981 ER ₁₆	97 03 26.0	12 20.13	-12 20.3	18.8	-1.08	+ 0.1	4.2/28.7	26918

1994 PW ₃₁	97 03 26.0	12 20.16	+00 18.9	16.4	-0.82	+10.2	1.0/25.2	29302	1992 HD ₅	97 03 28.2	12 28.13	+13 33.8	17.4	-0.83	+ 2.0	4.3/23.0	24393
1260 T-2	97 03 26.1	12 20.38	-00 49.1	17.4	-0.77	+ 8.9	0.5/25.6	15078	1988 CF ₇	97 03 28.2	12 28.15	-11 27.0	17.4	-0.82	+ 6.5	2.4/31.1	24117
1987 CG	97 03 26.1	12 20.43	-02 12.8	15.7	-0.81	+ 4.7	0.0/26.1	29610	1994 VY	97 03 28.4	12 28.70	-16 22.1	18.6	-0.77	+ 5.6	4.2/02.0	29663
1994 SZ ₉	97 03 26.1	12 20.61	-00 22.7	20.2	-0.84	+ 4.5	0.6/25.6	29621	1993 HA ₆	97 03 28.6	12 29.42	+04 18.5	16.5	-0.95	+ 2.9	3.1/26.4	29617
(7320)	97 03 26.2	12 21.06	-06 20.8	16.7	-0.80	+ 4.0	1.3/27.6	28567	1995 XT	97 03 28.7	12 29.82	+00 20.8	16.5	-0.76	+ 5.1	1.1/27.5	29665
(6734)	97 03 26.3	12 21.21	+12 31.1	16.1	-0.81	+ 3.3	4.1/21.6	28818	1994 PC ₃₇	97 03 28.7	12 29.84	-07 08.5	17.4	-0.83	+ 5.0	1.2/30.0	26422
1984 SU	97 03 26.3	12 21.22	-05 11.9	18.3	-0.94	+ 5.7	0.9/27.3	26578	1995 WP ₈	97 03 28.8	12 30.31	+04 45.0	17.1	-1.06	+ 5.4	3.0/26.4	26761
1997 EL ₁₁	97 03 26.3	12 21.25	+18 39.1	17.3	-0.97	+ 2.7	6.5/19.7	29644	1993 OM ₁₀	97 03 28.9	12 30.57	-02 02.9	19.7	-0.69	+ 4.7	0.3/28.5	27730
1995 SA ₁	97 03 26.4	12 21.48	-43 38.1	17.6	-1.06	+ 5.2	16.0/14.3	26568	2183 T-1	97 03 28.9	12 30.65	+00 23.3	18.5	-0.95	+ 5.4	1.4/27.8	27926
1994 UD ₁	97 03 26.4	12 21.49	-00 15.6	19.0	-0.68	+ 4.1	0.5/25.7	29663	(6801)	97 03 29.1	12 31.21	+02 20.8	16.7	-1.04	+ 4.8	2.1/27.4	26392
1995 YT	97 03 26.4	12 21.71	-01 10.0	19.5	-0.89	+ 6.3	0.4/26.1	29628	1981 EM ₂₀	97 03 29.3	12 32.21	-04 19.4	19.2	-0.70	+ 2.3	0.2/29.6	26918
1992 GH	97 03 26.5	12 21.77	-14 28.1	16.0	-1.66	- 4.0	5.8/28.7	29660	1995 WN ₅	97 03 29.4	12 32.34	+05 34.7	16.8	-0.86	+ 4.2	3.0/26.5	29139
1995 SM ₃	97 03 26.5	12 21.82	-08 17.7	16.9	-1.06	+ 1.8	2.5/28.2	29664	4026 P-L	97 03 29.4	12 32.38	-07 51.0	16.4	-1.07	- 0.1	1.7/30.5	24241
2145 T-2	97 03 26.5	12 21.86	-03 11.8	18.5	-0.77	+ 8.9	0.2/26.8	29669	1993 MZ	97 03 29.5	12 32.72	-12 37.7	17.9	-0.95	+ 2.4	2.8/32.0	29137
4041 T-2	97 03 26.5	12 22.03	-00 53.1	19.8	-0.87	+ 4.9	0.5/26.1	29651	1988 VZ	97 03 29.5	12 32.75	+03 49.7	17.0	-0.74	+ 3.3	1.8/27.2	24912
(7498)	97 03 26.5	12 22.03	-28 42.4	17.1	-0.93	+ 0.5	7.4/03.7	29089	1995 VL ₂	97 03 29.5	12 32.90	-09 47.8	17.7	-0.94	+ 6.2	2.3/31.6	29665
1991 UY ₃	97 03 26.6	12 22.14	-04 50.9	19.0	-0.87	+ 6.5	0.7/27.4	26420	(6822)	97 03 29.5	12 32.94	-03 01.9	18.6	-0.87	+ 4.9	0.2/29.4	26551
1995 VP ₁	97 03 26.6	12 22.25	+07 39.4	18.3	-0.97	+ 5.9	3.3/23.4	29626	1995 QD ₂	97 03 29.6	12 33.14	-10 31.6	18.4	-1.03	+ 6.1	2.7/31.8	29664
1997 FR ₁	97 03 26.6	12 22.29	+18 21.9	15.0	-0.92	+ 3.8	8.9/19.9	29647	1991 TY	97 03 29.6	12 33.25	+26 29.9	19.8	-0.91	+ 6.9	8.4/18.3	22594
1994 TK ₁₅	97 03 26.7	12 22.89	-00 57.5	18.0	-0.92	+ 4.7	0.5/26.3	25220	1991 PV ₁₇	97 03 29.6	12 33.36	+01 06.4	18.2	-0.93	+ 5.5	1.5/28.2	20025
1981 ER ₄₇	97 03 26.8	12 23.02	-00 24.7	17.9	-0.89	+ 5.1	0.7/26.2	29653	1988 BW	97 03 29.7	12 33.40	-20 12.9	16.6	-1.01	+ 2.2	5.9/03.7	27727
1972 RX ₁	97 03 26.8	12 23.08	-01 34.2	17.5	-0.88	+ 7.1	0.3/26.6	29652	1991 PR ₁₆	97 03 29.7	12 33.41	-01 39.1	18.1	-0.98	+ 6.7	0.7/29.1	29614
1981 EP ₃₈	97 03 26.9	12 23.20	-04 24.8	19.5	-0.70	+ 7.2	0.5/27.6	29653	1607 T-2	97 03 29.8	12 33.76	-09 19.0	18.4	-1.02	+ 3.7	2.0/31.5	21978
1995 SO ₅₄	97 03 26.9	12 23.38	+02 34.6	18.4	-0.95	+ 6.8	1.8/25.3	29624	1978 RX ₁	97 03 29.9	12 34.22	+01 35.1	18.4	-0.96	+ 7.1	1.8/28.2	22429
1987 QW ₂	97 03 27.0	12 23.62	-01 20.2	17.5	-0.74	+ 4.5	0.3/26.6	29655	1171 T-1	97 03 29.9	12 34.27	-05 54.2	17.5	-0.88	+ 8.1	0.7/30.7	23791
1995 UQ ₄	97 03 27.0	12 23.69	+15 28.7	16.6	-1.04	+ 3.0	5.9/21.6	28303	1981 TT	97 03 30.0	12 34.56	-05 42.3	17.7	-0.95	+ 7.7	0.7/30.7	26578
1973 SQ ₃	97 03 27.0	12 23.95	-03 08.4	17.4	-0.89	+ 8.0	0.2/27.3	29652	1983 WF ₁	97 03 30.0	12 34.64	+26 00.8	18.2	-0.74	+ 3.5	6.3/19.2	22430
(6787)	97 03 27.1	12 24.25	-08 46.6	16.1	-1.00	+ 6.4	2.5/29.1	26388	1994 PH ₉	97 03 30.2	12 35.19	-04 17.3	17.9	-0.87	+ 6.0	0.2/30.4	24748
1996 AG ₂	97 03 27.2	12 24.32	-19 52.9	16.4	-0.81	+ 2.8	4.7/01.8	26928	1981 EK ₄₇	97 03 30.2	12 35.30	-05 57.8	18.8	-0.63	+ 4.3	0.6/31.0	26923
6242 P-L	97 03 27.2	12 24.33	-08 27.6	16.7	-0.84	+ 8.0	2.3/29.2	26423	1978 VP ₁	97 03 30.2	12 35.31	-10 45.3	18.3	-0.73	+ 5.3	1.9/01.6	29652
6586 P-L	97 03 27.2	12 24.38	+01 51.8	19.3	-0.79	+ 8.7	1.4/25.6	17975	1995 YG	97 03 30.2	12 35.33	-05 39.9	16.0	-0.96	+ 7.3	0.7/30.8	29139
2064 P-L	97 03 27.2	12 24.50	-08 03.9	17.5	-0.76	+ 4.4	1.7/29.0	24409	3212 T-1	97 03 30.3	12 35.88	-04 19.0	16.4	-1.06	+ 4.6	0.2/30.5	27732
1996 AY ₁	97 03 27.2	12 24.67	+19 29.4	19.4	-0.70	+ 5.3	5.4/19.2	29666	(6729)	97 03 30.3	12 35.92	-00 27.0	15.8	-1.06	+ 1.0	1.2/29.5	26159
2086 T-2	97 03 27.3	12 24.97	-05 59.3	15.6	-0.85	+ 1.9	1.3/28.4	22087	(6924)	97 03 30.5	12 36.28	+02 12.0	16.1	-0.77	+ 2.2	1.6/28.6	26895
1994 PT ₁₄	97 03 27.4	12 25.07	+00 11.8	16.4	-0.80	+ 7.5	1.1/26.4	25219	1994 PY ₂₅	97 03 30.5	12 36.30	-01 48.1	17.6	-0.86	+ 5.7	0.7/28.8	26759
1994 RJ	97 03 27.4	12 25.11	-05 19.0	19.6	-0.87	+ 6.5	0.9/28.3	26581	1995 YJ ₁	97 03 30.5	12 36.38	+00 09.4	17.3	-0.77	+ 5.4	1.2/29.2	28890
1994 RC ₁₁	97 03 27.4	12 25.23	-01 35.5	18.2	-0.73	+ 4.5	0.3/27.1	24409	1984 UR	97 03 30.5	12 36.54	+04 09.0	17.2	-0.99	+ 4.4	2.7/28.1	28840
1993 FX ₉	97 03 27.4	12 25.32	+03 58.6	15.8	-0.89	+ 5.2	2.6/25.3	29617	1980 GB	97 03 30.5	12 36.56	+13 26.2	16.3	-0.92	+ 5.9	7.7/24.6	29653
1992 GC ₅	97 03 27.4	12 25.34	+00 49.2	16.7	-0.77	+ 4.6	1.1/26.3	27713	1984 CM	97 03 30.6	12 36.79	+01 25.6	15.9	-0.98	+ 2.2	1.9/29.1	29654
1981 EP ₂	97 03 27.4	12 25.39	-13 02.7	17.8	-0.71	+ 7.5	2.8/31.2	26915	(6711)	97 03 30.6	12 36.80	-04 44.3	15.5	-0.71	+13.6	0.3/30.9	26155
(6723)	97 03 27.5	12 25.56	+06 58.4	15.8	-0.92	+ 0.5	3.0/24.8	26158	1981 EC ₂₂	97 03 30.7	12 37.08	-03 06.4	18.4	-0.97	+ 7.3	0.4/30.4	26919
1986 CB	97 03 27.5	12 25.74	+27 19.8	17.2	-0.99	+ 8.1	10.6/16.9	29655	(7287)	97 03 30.7	12 37.29	+12 16.7	17.4	-0.77	+ 7.2	5.1/25.0	28286
1993 HF	97 03 27.5	12 25.79	-17 54.6	15.6	-0.80	+ 8.0	6.1/02.1	29662	2098 P-L	97 03 30.7	12 37.37	-04 36.9	17.4	-0.79	+ 7.9	0.2/31.0	24585
1995 VS	97 03 27.6	12 25.88	-04 46.4	17.3	-0.96	+ 6.9	0.7/28.3	28890	1986 TT ₁₁	97 03 30.7	12 37.43	-06 27.3	17.4	-1.01	+ 2.0	0.8/31.5	29655
1975 YD	97 03 27.7	12 26.32	-12 46.4	16.9	-0.85	+ 8.9	3.1/31.3	29652	1168 T-3	97 03 30.8	12 37.79	-10 05.8	18.6	-0.96	+ 2.2	1.9/01.6	18134
1991 PJ ₃	97 03 27.7	12 26.40	-05 44.1	17.0	-1.03	+ 4.0	1.2/28.6	29659	3058 T-1	97 03 30.9	12 37.74	-07 38.7	17.7	-1.08	+ 4.3	1.3/31.9	19322
1978 VV ₆	97 03 27.7	12 26.45	+00 29.7	18.6	-1.02	+ 5.8	1.2/26.7	26578	1978 VW ₂	97 03 30.9	12 38.00	-01 43.1	17.8	-0.74	+ 5.1	0.8/30.2	26755
1995 RC	97 03 27.8	12 26.62	-08 49.2	17.7	-1.06	+ 4.8	2.2/29.6	29664	1994 PJ ₁₀	97 03 30.9	12 38.02	-06 29.6	18.0	-0.83	+ 5.2	0.7/31.7	24748
1978 PV ₂	97 03 27.8	12 26.77	-10 15.4	17.2	-1.08	+ 4.9	2.7/30.0	10630	(6719)	97 03 30.9	12 38.12	+00 47.4	16.4	-0.83	+ 4.9	1.5/29.4	26157
1993 MG ₁	97 03 27.9	12 26.81	-29 11.5	17.0	-1.04	+ 2.7	9.8/04.4	27714	(6945)	97 03 31.0	12 38.11	-09 17.3	17.6	-1.11	+ 3.4	2.1/01.5	27089
1994 PP ₂₆	97 03 27.9	12 27.03	-01 15.5	16.7	-0.95	+ 4.4	0.7/27.4	29663	1996 BN ₆	97 03 31.0	12 38.48	+01 35.1	18.5	-0.78	+ 4.6	1.6/29.2	29666

1991 BH ₂	97 03 31.0	12 38.53	-13 33.0	16.3	-0.86	+ 2.3	2.9/02.9	29317	1994 WQ ₁₂	97 04 02.7	12 48.33	-04 18.4	18.2	-0.69	+ 4.6	0.2/02.5	29663
1995 UQ ₁	97 03 31.1	12 38.84	-07 11.4	18.7	-0.91	+ 7.2	1.0/01.2	29625	(7570)	97 04 02.7	12 48.34	-06 54.1	16.3	-0.95	+ 4.9	0.7/03.3	29594
1992 YG ₂	97 03 31.1	12 38.87	-09 53.1	18.2	-1.02	+ 5.8	2.1/01.9	26172	1991 RB ₅	97 04 02.8	12 48.33	-09 39.4	18.0	-1.00	+ 4.1	1.5/04.1	29659
1995 UU ₃	97 03 31.2	12 38.86	-01 54.7	17.6	-0.90	+ 4.3	0.8/30.5	26423	1995 VQ ₁₂	97 04 02.8	12 48.38	-07 11.1	18.5	-0.92	+ 9.1	0.7/03.5	29665
1986 RA ₅	97 03 31.2	12 38.86	+05 10.8	17.1	-0.86	+ 6.4	2.9/28.1	27727	(6814)	97 04 02.9	12 49.08	-05 23.2	16.7	-0.79	+ 5.8	0.0/03.0	26549
1995 WB	97 03 31.2	12 39.26	-00 05.1	17.6	-0.86	+ 5.6	1.4/30.0	29627	1994 WO ₄	97 04 03.1	12 49.79	+02 26.4	19.9	-0.71	+ 5.5	2.1/31.5	26567
1991 RF ₁₁	97 03 31.3	12 39.23	-09 57.9	18.4	-0.95	+ 4.9	1.8/02.1	27120	1988 UP	97 04 03.2	12 49.84	-01 48.8	17.0	-0.72	+ 4.5	0.9/02.1	22080
1991 RH ₄₁	97 03 31.3	12 39.26	-00 08.6	17.2	-0.91	+ 6.5	1.5/30.0	29659	1985 SC ₃	97 04 03.2	12 49.90	-10 25.2	18.3	-0.98	+ 8.2	1.8/04.9	29655
1984 UN ₂	97 03 31.3	12 39.41	-04 31.3	17.5	-0.77	+ 5.4	0.1/31.4	26924	1995 WW ₁₇	97 04 03.2	12 50.03	-04 01.7	17.7	-1.07	+ 3.5	0.6/02.9	29628
4092 T-3	97 03 31.5	12 39.94	-00 19.0	16.4	-0.72	+11.4	1.5/30.0	29669	1995 UB ₄₅	97 04 03.2	12 50.16	-10 20.6	17.7	-0.99	+ 6.4	1.8/04.8	29665
(6714)	97 03 31.5	12 39.98	+17 50.6	16.8	-0.85	+ 6.2	6.8/23.6	26156	1987 RX	97 04 03.3	12 50.14	-03 21.2	17.0	-0.73	+ 4.9	0.5/02.6	27554
1996 AD ₂	97 03 31.5	12 39.99	+14 07.8	18.5	-0.77	+ 4.2	4.9/25.2	29666	3541 P-L	97 04 03.3	12 50.26	-17 04.4	17.9	-0.77	+ 3.7	2.9/07.1	29668
1988 BC ₄	97 03 31.6	12 40.48	-03 03.9	17.1	-0.85	+ 6.2	0.4/31.2	29656	1981 ES ₁₂	97 04 03.3	12 50.31	-08 54.6	18.0	-0.70	+ 8.9	1.1/04.6	29608
1991 TX	97 03 31.6	12 40.69	+32 39.0	19.3	-1.06	+ 2.1	10.5/18.8	26399	1994 PH ₃₀	97 04 03.3	12 50.49	-03 19.1	16.7	-0.75	+ 8.8	0.7/02.6	24901
1994 PN ₂₁	97 03 31.7	12 40.82	-01 50.0	18.0	-0.74	+ 5.1	0.7/30.9	26904	2825 P-L	97 04 03.4	12 50.53	-05 42.1	18.7	-0.74	+ 5.0	0.1/03.5	29648
2026 T-3	97 03 31.7	12 40.84	-08 18.9	19.9	-0.85	+ 5.0	1.1/02.0	25437	1995 UR ₃	97 04 03.4	12 50.65	-10 53.7	17.6	-0.92	+ 7.9	2.0/05.3	29665
1990 UH ₄	97 03 31.7	12 40.96	+17 35.8	18.8	-0.91	+ 1.9	6.2/25.1	26397	(7609)	97 04 03.4	12 50.86	-01 41.0	15.3	-1.00	+ 0.3	1.4/02.5	29603
1995 WS	97 04 01.0	12 41.77	-11 04.1	17.5	-0.97	+ 6.2	2.3/03.1	26407	1997 FQ ₄	97 04 03.4	12 50.93	-10 49.5	17.1	-0.74	+ 5.2	1.6/05.3	29647
(7567)	97 04 01.1	12 42.11	-04 23.1	16.7	-1.02	+ 4.5	0.1/01.1	29593	1994 SF ₁₂	97 04 03.7	12 51.62	-03 27.6	18.3	-0.83	+ 5.1	0.7/03.0	29663
1995 WO ₃	97 04 01.2	12 42.69	-06 24.3	18.7	-0.92	+ 6.2	0.6/01.8	29665	(6754)	97 04 03.8	12 51.96	-03 54.9	17.4	-0.90	+ 6.5	0.6/03.3	26381
(6779)	97 04 01.3	12 42.96	-07 55.9	15.7	-0.97	+ 5.3	1.5/02.3	26386	1988 RT ₄	97 04 03.8	12 51.96	-03 51.4	18.8	-0.70	+ 4.6	0.4/03.2	29656
1995 YC ₁	97 04 01.4	12 43.48	+21 39.1	17.0	-0.77	+ 4.8	7.5/22.7	28595	1994 SO ₅	97 04 03.8	12 52.03	-04 04.2	18.6	-0.81	+ 5.3	0.5/03.3	29663
1995 YK	97 04 01.4	12 43.54	+12 03.6	18.5	-0.76	+ 4.5	4.5/26.9	29628	1997 EY ₄₅	97 04 03.8	12 52.09	+00 26.5	16.4	-0.94	+ 5.0	2.5/02.0	29646
1983 TE ₁	97 04 01.4	12 43.61	-07 40.1	17.2	-0.86	+ 7.3	1.0/02.5	29654	1991 PJ ₇	97 04 03.8	12 52.15	-11 23.9	18.5	-1.02	+ 4.5	2.0/05.6	29659
1993 BP ₃	97 04 01.4	12 43.62	-40 28.9	17.0	-1.48	- 2.1	13.6/12.2	29661	1991 RN ₄	97 04 03.8	12 52.36	+00 08.1	18.5	-0.89	+ 7.1	1.8/02.0	29659
1977 ER ₅	97 04 01.5	12 43.59	-05 56.6	17.5	-0.79	+ 5.0	0.4/01.9	26557	1980 VG	97 04 03.8	12 52.38	-16 12.4	17.3	-0.85	+ 3.8	2.9/07.2	29653
1981 UA	97 04 01.5	12 43.62	+01 27.8	19.5	-1.24	+ 0.3	2.0/31.1	25972	1995 WL ₅	97 04 03.9	12 52.34	-15 57.2	18.7	-0.95	+ 6.6	3.5/07.3	26582
1987 RC ₁	97 04 01.5	12 43.68	-03 52.1	16.3	-0.75	+ 4.4	0.2/01.3	28612	1990 TX ₈	97 04 03.9	12 52.46	-05 05.1	19.0	-0.84	+ 4.5	0.1/03.8	26757
1988 CT ₅	97 04 01.6	12 43.97	-23 38.5	16.5	-1.03	+ 2.1	6.3/07.0	29656	1995 VP ₁₇	97 04 03.9	12 52.54	-03 32.9	19.4	-0.93	+ 4.9	0.8/03.3	29627
1978 TO ₈	97 04 01.6	12 44.07	-05 14.1	17.5	-0.72	+ 4.7	0.1/01.8	26557	(6937)	97 04 03.9	12 52.74	-08 13.3	15.7	-0.71	+ 8.1	0.8/04.9	26898
1973 UR ₅	97 04 01.7	12 44.53	-03 15.4	18.5	-0.96	+ 5.1	0.5/01.3	27118	1992 DE ₄	97 04 04.0	12 52.68	-03 32.1	18.9	-0.80	+ 5.3	0.6/03.3	29660
1996 BK ₂	97 04 01.7	12 44.61	+06 38.8	16.7	-0.67	+ 6.3	2.8/28.7	29139	1997 EX ₄₅	97 04 04.0	12 52.75	+00 26.9	16.4	-0.88	+ 5.6	2.3/02.1	29646
1988 DG ₂	97 04 01.7	12 44.65	+09 22.2	18.6	-0.82	+ 6.8	4.9/27.9	26739	2536 P-L	97 04 04.0	12 53.03	-03 52.2	17.5	-1.07	+ 3.5	0.7/03.6	29668
(6892)	97 04 01.8	12 44.93	+00 28.2	19.5	-0.88	+ 5.0	1.5/31.2	26888	1997 EG ₄₆	97 04 04.0	12 53.04	+00 02.2	15.7	-0.82	+ 2.8	1.7/02.4	29646
1995 UP ₄	97 04 01.8	12 45.04	+06 10.6	16.7	-0.96	+ 4.1	3.8/29.6	29665	(7608)	97 04 04.2	12 53.57	-11 40.1	17.9	-0.95	+ 4.9	1.4/03.0	29603
1981 EU ₃	97 04 01.9	12 45.06	-15 12.6	18.1	-0.79	+ 9.4	4.2/05.7	26915	2304 T-2	97 04 04.3	12 54.06	-03 40.4	19.3	-0.78	+ 4.2	0.6/03.7	29669
5036 T-2	97 04 02.0	12 45.40	-18 21.8	17.2	-0.86	+ 6.0	4.6/06.5	26583	1981 EL ₁₃	97 04 04.3	12 54.20	-07 32.0	19.1	-0.71	+ 6.7	0.5/05.0	29608
1995 YU ₉	97 04 02.0	12 45.80	-19 27.8	18.6	-0.80	+ 4.1	4.2/06.8	29139	1995 SP	97 04 04.3	12 54.20	-06 11.6	18.2	-1.07	+ 3.1	0.1/04.5	29664
(6755)	97 04 02.1	12 45.84	-13 26.8	16.3	-0.93	+ 5.7	3.1/04.8	26381	1996 AJ	97 04 04.4	12 54.42	-08 51.0	17.5	-0.95	+ 5.5	1.1/05.4	29666
2258 T-2	97 04 02.2	12 46.16	-02 50.9	18.7	-0.84	+ 5.9	0.7/01.5	24764	2158 T-2	97 04 04.4	12 54.59	-03 50.2	19.5	-0.93	+ 7.4	0.8/03.8	29650
1981 DA ₃	97 04 02.2	12 46.17	-16 14.1	19.5	-0.65	+ 4.0	3.0/06.1	26914	1990 TE ₁	97 04 04.5	12 54.59	-04 01.5	18.7	-0.91	+ 2.9	0.5/04.0	29658
1997 AS ₇	97 04 02.3	12 46.48	+08 56.8	15.7	-0.90	+ 6.8	5.6/28.5	29123	1978 SX ₇	97 04 04.5	12 54.82	-10 01.5	18.5	-0.92	+ 4.6	1.3/06.0	29652
1995 WS ₂	97 04 02.3	12 46.69	+01 45.7	18.0	-1.02	+ 4.4	2.3/31.3	26408	1995 UU ₁₄	97 04 04.6	12 55.20	-08 51.4	18.5	-0.91	+ 5.2	1.3/05.6	29626
1995 WF ₅	97 04 02.4	12 46.97	-00 05.3	17.2	-0.83	+ 6.4	1.6/31.8	26410	1995 XP ₂	97 04 04.6	12 55.20	-07 00.8	18.3	-0.96	+ 6.9	0.4/05.0	29665
1994 QV	97 04 02.4	12 46.99	-12 40.4	17.8	-0.93	+ 2.8	2.1/04.7	26581	1995 WV ₃	97 04 04.6	12 55.27	-38 10.5	15.5	-0.92	+ 3.1	11.6/17.0	26747
1981 EQ ₃₉	97 04 02.4	12 47.17	-05 39.7	19.2	-0.77	+ 5.0	0.2/02.7	26922	1994 RH ₉	97 04 04.7	12 55.46	-12 29.8	18.4	-1.07	+ 3.4	2.2/06.0	27327
1987 ST ₁₇	97 04 02.6	12 47.89	-12 38.9	17.3	-0.88	+ 7.8	2.4/05.2	23868	(7514)	97 04 04.7	12 55.63	-01 34.6	15.0	-0.93	+ 2.9	2.1/03.5	29290
3051 T-1	97 04 02.6	12 48.00	-04 03.3	17.6	-0.73	+ 7.9	0.3/02.3	29650	1991 RV ₁₃	97 04 04.8	12 55.69	-09 34.1	17.4	-0.90	+ 7.6	1.2/06.0	29659
4021 T-3	97 04 02.7	12 48.14	-00 15.4	20.1	-0.96	+ 5.3	1.7/01.2	26417	1992 HX	97 04 04.8	12 55.73	-04 36.3	18.6	-0.77	+ 4.5	0.4/04.4	29660
1981 EV ₁₂	97 04 02.7	12 48.26	-14 46.7	18.4	-0.81	+ 3.3	2.6/05.8	28838	1983 RB ₄	97 04 05.0	12 56.45	-03 12.4	18.4	-0.93	+ 5.1	0.9/04.2	29654
1988 TL ₁	97 04 02.7	12 48.32	-08 14.9	17.2	-0.94	+ 7.7	1.1/03.8	29656	(7158)	97 04 05.1	12 56.71	-08 59.1	17.0	-0.72	+ 6.7	0.8/06.1	27895

1994 PS ₃₂	97 04 05.1	12 56.86	-14 02.7	18.7	-0.92	+ 4.8	2.7/07.6	24902	1995 UY ₃	97 04 08.2	13 08.39	-08 22.8	17.4	-0.92	+ 6.3	0.4/08.6	29665
1994 NO ₁	97 04 05.2	12 57.10	-16 08.5	16.2	-0.90	+ 6.4	4.8/08.5	23984	1994 PQ ₁	97 04 08.3	13 08.47	+32 00.4	20.4	-0.98	+ 1.9	9.8/25.0	25083
2614 P-L	97 04 05.3	12 57.43	-05 08.2	20.0	-0.83	+ 6.2	0.3/05.0	17973	1985 JM	97 04 08.3	13 08.58	-11 35.8	17.0	-0.86	+ 8.5	1.3/09.8	29654
1995 YZ ₁	97 04 05.3	12 57.58	-06 57.5	18.2	-0.85	+ 3.3	0.2/05.6	29665	1989 WU ₂	97 04 08.4	13 08.79	-03 10.1	18.0	-0.74	+ 4.3	1.1/07.1	29657
1997 GO ₁₃	97 04 05.3	12 57.64	-07 05.7	19.0	-1.05	+ 6.5	0.4/05.6	29648	1981 EJ ₂₁	97 04 08.4	13 09.01	+00 29.6	18.7	-0.60	+ 5.9	2.2/05.7	26919
1991 NQ ₆	97 04 05.3	12 57.76	-14 04.4	17.8	-0.99	+ 6.1	2.8/07.8	28298	1995 UO ₂	97 04 08.5	13 09.26	-06 27.9	18.2	-1.08	+ 3.1	0.3/08.3	29665
1990 QA ₂	97 04 05.5	12 58.22	-08 28.8	17.5	-0.87	+ 5.0	0.8/06.2	29657	1995 XW	97 04 08.5	13 09.36	+10 44.8	17.6	-1.02	+ 0.8	6.5/03.5	29305
1994 ST ₁₂	97 04 05.5	12 58.23	-04 46.2	17.5	-0.91	+ 4.4	0.5/05.1	29621	1977 TO ₆	97 04 08.5	13 09.52	+03 55.0	18.1	-0.99	+ 5.1	4.0/05.1	26187
1991 PJ ₁₃	97 04 05.5	12 58.46	-09 38.2	18.3	-1.04	+ 5.2	1.3/06.6	29613	1995 TB	97 04 08.6	13 09.54	-09 53.0	19.5	-1.04	+ 4.2	0.9/09.3	29624
1990 QX ₅	97 04 05.5	12 58.51	-19 51.8	18.8	-0.93	+ 3.3	3.8/09.7	25649	1988 RW ₁₀	97 04 08.8	13 10.53	-07 57.6	19.3	-0.74	+ 4.4	0.1/09.0	22825
1981 DD ₂	97 04 05.6	12 58.86	-18 17.3	18.5	-0.78	+ 5.3	3.9/09.7	26914	1997 DE	97 04 08.9	13 10.69	+05 29.5	16.5	-1.00	+ 4.7	5.1/05.1	29313
(7359)	97 04 05.6	12 58.92	-00 57.4	17.2	-0.72	+ 4.7	1.4/03.9	28578	1995 XJ	97 04 08.9	13 10.80	+07 54.7	18.3	-0.85	+ 3.4	4.7/04.2	29628
(6695)	97 04 05.7	12 58.90	+13 42.1	17.5	-0.82	+ 6.9	6.0/29.7	26151	1981 EJ ₈	97 04 08.9	13 10.90	-11 11.4	19.3	-0.78	+ 5.4	1.2/10.2	26916
1977 DS ₄	97 04 05.7	12 58.91	-03 35.6	17.3	-0.83	+ 4.1	0.9/04.9	29652	1987 RB ₁	97 04 08.9	13 10.93	-07 19.5	18.5	-0.74	+ 4.8	0.1/08.9	29655
1981 ED ₁₂	97 04 05.7	12 59.12	-08 11.5	17.1	-0.77	+11.3	0.7/06.4	29653	1982 SH ₁	97 04 08.9	13 11.03	+01 08.4	18.6	-0.96	+19.7	3.6/05.6	8393
1993 LF ₂	97 04 05.7	12 59.15	+10 00.5	17.5	-0.83	+ 4.5	4.8/31.4	25531	7590 P-L	97 04 09.0	13 10.98	-04 22.8	21.0	-0.88	+ 3.8	0.9/08.1	22701
1978 VB ₃	97 04 05.8	12 59.58	+08 25.4	17.2	-0.81	+ 2.5	4.1/01.3	27302	2124 T-2	97 04 09.1	13 11.43	-10 19.0	18.9	-0.95	+ 5.7	0.9/10.0	19690
2071 T-2	97 04 05.8	12 59.62	-07 48.2	18.4	-0.87	+ 6.2	8.0/17.0	29668	1953 TA ₁	97 04 09.1	13 11.74	-09 49.6	18.1	-0.94	+ 7.3	0.7/09.9	29651
2172 T-1	97 04 05.9	12 59.65	-03 10.7	17.9	-1.06	+ 5.6	1.3/05.0	29649	1978 RH ₉	97 04 09.2	13 11.93	-01 32.3	18.0	-0.97	+ 7.8	2.5/07.3	22270
1995 VJ ₂	97 04 05.9	12 59.84	+15 41.0	17.9	-1.01	+ 1.9	7.5/30.5	29626	1990 SZ ₃	97 04 09.2	13 12.15	-25 56.2	17.2	-0.93	+ 4.0	5.4/15.1	26560
1993 FD ₄₄	97 04 06.0	13 00.27	-08 11.9	17.6	-1.03	+ 4.6	0.7/06.6	27714	(6840)	97 04 09.3	13 12.12	-02 06.0	17.5	-0.91	+ 5.9	1.9/07.6	26556
1988 RK ₉	97 04 06.1	13 00.61	+09 55.7	16.7	-0.72	+ 6.8	4.6/31.2	29133	1981 SE ₇	97 04 09.3	13 12.18	+00 38.6	16.4	-0.88	+ 4.0	2.7/06.8	20922
1981 EW ₃₀	97 04 06.1	13 00.62	-05 45.1	18.3	-1.02	+ 6.7	0.3/05.9	29609	1994 PB ₁₄	97 04 09.3	13 12.49	-03 26.9	16.9	-0.80	+ 6.9	1.5/08.0	29663
1985 QP	97 04 06.2	13 00.83	-08 19.5	18.1	-1.05	+ 5.2	0.7/06.8	29655	4874 P-L	97 04 09.3	13 12.50	-04 24.2	18.8	-0.87	+ 4.4	1.1/08.4	29668
1994 NC	97 04 06.4	13 01.60	+02 37.4	17.4	-0.78	+ 7.6	2.7/03.3	29663	1995 YN	97 04 09.4	13 12.66	+17 34.3	16.8	-0.78	+ 3.3	7.2/01.0	26907
1995 XN ₁	97 04 06.4	13 01.61	+16 20.8	15.8	-0.98	+ 1.7	8.8/30.3	29139	(7565)	97 04 09.4	13 12.75	-09 40.2	16.7	-0.81	+ 3.5	0.7/10.1	29592
1995 VJ	97 04 06.7	13 02.90	-04 19.1	18.2	-0.92	+ 4.5	0.9/06.1	29626	1997 CB ₂₇	97 04 09.4	13 12.78	-06 07.9	17.4	-1.02	- 0.3	0.8/09.1	29642
1995 VU ₁	97 04 06.8	13 03.03	+14 34.5	15.9	-0.94	+ 1.2	8.0/31.6	29665	1990 UJ ₂	97 04 09.4	13 12.80	-00 52.8	17.9	-0.82	+ 5.6	2.0/07.3	25649
1990 WZ	97 04 06.8	13 03.33	-05 09.3	18.2	-0.76	+ 7.8	0.5/06.3	29612	1978 VM ₇	97 04 09.4	13 12.81	-14 37.4	19.4	-0.91	+ 6.6	2.2/11.7	28610
1977 QD ₂	97 04 06.9	13 03.46	-11 19.8	17.5	-1.03	+ 4.3	1.6/08.3	29652	(6815)	97 04 09.4	13 12.85	-09 44.7	18.0	-0.91	+ 5.8	0.6/10.1	26550
2821 P-L	97 04 07.0	13 03.85	-02 39.3	16.5	-0.76	+ 4.9	1.3/05.7	29668	1997 FB ₂	97 04 09.5	13 12.88	+06 11.3	18.3	-0.86	+ 5.8	4.3/05.0	29647
1975 NC	97 04 07.0	13 03.96	-16 30.8	16.3	-0.85	+ 5.4	3.5/10.2	27725	1981 KJ	97 04 09.5	13 13.20	-00 03.1	16.9	-0.88	+ 1.3	2.3/07.4	22697
1984 UJ ₁	97 04 07.0	13 03.97	-04 38.5	18.8	-0.98	+ 4.3	0.7/06.4	29610	1979 MR ₂	97 04 09.6	13 13.32	-08 19.1	17.6	-0.80	+ 5.2	0.2/09.8	29653
1995 YP	97 04 07.1	13 04.03	-01 31.0	16.9	-0.79	+ 5.1	1.7/05.4	29665	(6806)	97 04 09.7	13 13.70	-13 06.8	16.7	-0.97	+ 4.2	1.9/11.3	26393
4854 T-1	97 04 07.1	13 04.21	-02 15.2	17.7	-0.86	+ 2.2	1.4/05.8	28620	1988 RB ₁₁	97 04 09.8	13 13.96	-06 59.4	19.1	-0.71	+ 4.5	0.2/09.5	29656
1992 EM ₈	97 04 07.3	13 04.98	+04 18.4	18.4	-0.81	+ 5.0	3.4/03.7	29135	1996 AY ₃	97 04 09.8	13 14.04	+13 23.2	17.3	-0.68	+ 5.0	4.9/02.4	29666
1991 RK ₂₆	97 04 07.3	13 05.06	-06 05.6	18.3	-1.10	+ 3.3	0.3/07.1	29614	1986 TV ₆	97 04 09.8	13 14.25	-18 29.8	17.0	-0.98	+ 3.5	3.7/12.9	27554
1991 VM ₅	97 04 07.4	13 05.26	+02 00.7	17.1	-1.00	+ 4.9	3.1/04.7	20823	1981 EZ ₅	97 04 09.8	13 14.26	-16 42.0	19.4	-0.64	+ 5.0	2.4/12.9	26915
1984 SA	97 04 07.4	13 05.35	-15 28.2	17.1	-0.99	+ 6.8	3.1/10.1	19294	1993 NZ ₁	97 04 10.0	13 14.73	-21 54.7	17.8	-0.79	+ 4.2	3.8/14.5	26564
1991 FF	97 04 07.5	13 05.66	-27 26.3	17.5	-0.95	+ 0.4	6.2/13.4	28614	1995 WF	97 04 10.0	13 15.08	-20 09.6	19.0	-0.93	+ 7.6	4.0/14.2	29627
1991 EA ₄	97 04 07.5	13 05.76	-07 32.8	17.6	-0.77	+ 4.6	0.2/07.7	29613	(6725)	97 04 10.1	13 15.03	-04 11.2	16.1	-0.75	+ 4.6	1.2/08.9	28818
1982 UD ₇	97 04 07.7	13 06.24	-08 13.6	17.4	-0.84	+ 7.2	0.4/08.1	29654	1995 WX ₄	97 04 10.1	13 15.29	-10 46.7	18.2	-0.91	+ 6.6	0.9/11.1	29665
4255 T-1	97 04 07.7	13 06.28	-03 14.3	17.8	-0.82	+ 7.3	1.7/06.4	19327	1990 SF ₅	97 04 10.2	13 15.62	-02 37.1	18.8	-0.84	+ 6.3	1.8/08.5	29658
1991 UD ₃	97 04 07.7	13 06.61	-09 23.1	17.6	-0.87	+ 7.8	0.8/08.6	29660	1993 BL ₁₂	97 04 10.2	13 15.78	-01 46.1	18.0	-0.98	+ 4.6	2.4/08.5	26421
(6863)	97 04 07.8	13 06.71	-13 10.3	16.6	-0.96	+ 6.9	2.3/09.8	26732	1994 UA ₂	97 04 10.3	13 15.94	-12 57.2	17.2	-0.73	+ 6.6	1.4/12.0	24764
1991 RW ₂₁	97 04 07.8	13 06.93	-17 33.6	18.5	-1.03	+ 3.6	3.4/11.0	27444	1994 WG	97 04 10.3	13 16.19	-22 48.6	17.2	-0.70	+ 5.6	3.8/15.5	28318
1988 RL ₉	97 04 07.8	13 06.94	-14 28.3	16.6	-1.06	+ 4.7	2.8/10.0	29133	1985 TB ₃	97 04 10.4	13 16.26	-05 18.1	17.6	-0.97	+ 7.5	1.0/09.6	29655
1991 RR ₁₂	97 04 08.0	13 07.57	-06 36.2	18.7	-0.97	+ 4.9	0.2/07.9	29659	3013 T-2	97 04 10.4	13 16.46	-03 31.3	17.6	-0.83	+ 6.3	1.5/09.0	17836
1991 VW ₄	97 04 08.1	13 07.95	+05 50.1	17.6	-0.95	+ 5.4	4.6/04.0	26926	1994 PO ₇	97 04 10.5	13 16.52	-06 55.0	15.8	-0.88	+ 5.7	0.5/10.1	29138
1994 TE ₃	97 04 08.1	13 08.10	-06 45.8	17.9	-0.76	+ 5.1	0.1/08.0	29663	(7580)	97 04 10.5	13 16.95	-06 16.5	16.6	-0.97	+ 3.5	0.6/10.1	29596
3159 T-2	97 04 08.2	13 08.22	+01 23.1	18.1	-0.79	+ 8.1	2.7/05.2	17653	1988 RG ₉	97 04 10.6	13 17.18	-02 45.1	18.1	-0.98	+ 6.2	2.0/09.0	29656

1993 BN ₃	97 04 10.6	13 17.26	-05 22.2	17.2	-1.08	+ 3.0	1.1/09.9	29661	1101 T-2	97 04 13.6	13 28.11	-10 45.8	17.2	-0.79	+ 4.3	0.5/14.1	23987
1988 VN ₇	97 04 10.7	13 17.34	+01 36.3	18.6	-1.01	+ 3.8	3.4/07.9	27454	1988 VX ₂	97 04 13.6	13 28.13	-16 05.0	16.0	-0.71	+ 7.5	1.9/16.0	25528
1991 RG ₇	97 04 10.7	13 17.48	-13 36.8	18.3	-0.92	+ 6.0	1.8/12.5	28316	(6726)	97 04 13.6	13 28.18	-16 42.9	16.8	-0.99	+ 6.1	2.8/16.0	26159
(6757)	97 04 10.8	13 17.72	-02 54.1	17.4	-0.78	+ 4.8	1.6/09.1	26381	1980 FH ₅	97 04 13.7	13 28.29	-21 25.6	16.9	-1.06	+ 1.7	4.1/17.0	28882
1995 CV	97 04 11.0	13 18.36	-01 29.0	19.4	-0.47	+ 3.4	1.2/08.7	29664	1974 QM ₂	97 04 13.7	13 28.71	-17 44.5	16.1	-1.10	+ 2.3	3.9/16.0	29652
1996 AR ₂	97 04 11.0	13 18.46	-25 53.5	18.0	-0.93	+ 3.4	5.0/16.4	26749	1996 AU ₁	97 04 13.8	13 28.92	-05 55.3	16.8	-0.75	+ 4.6	1.1/12.8	29666
1985 CV ₁	97 04 11.0	13 18.75	-07 03.4	16.8	-0.76	+ 3.9	0.4/10.7	24406	1989 TT ₁₁	97 04 13.8	13 29.01	-09 15.8	16.6	-0.79	+ 5.1	0.0/13.9	29657
1982 UZ ₂	97 04 11.2	13 19.23	-01 31.3	16.9	-0.66	+10.2	1.9/08.7	27931	1063 T-2	97 04 13.9	13 29.16	-09 00.5	17.3	-0.95	+ 6.4	0.1/13.8	22827
1971 UT ₁	97 04 11.2	13 19.32	-06 41.5	18.1	-0.71	+ 4.7	0.4/10.7	22696	1983 XE	97 04 13.9	13 29.17	-14 55.9	17.7	-0.89	+ 6.9	1.8/15.7	27726
2066 T-1	97 04 11.2	13 19.37	-03 38.9	17.5	-1.00	+ 6.6	1.8/09.8	28319	(6890)	97 04 14.2	13 30.49	-09 14.7	16.4	-0.74	+ 4.5	0.1/14.2	26887
1981 EV ₂₁	97 04 11.3	13 19.57	-16 15.2	19.0	-0.87	+ 2.4	2.3/13.6	26919	3276 T-2	97 04 14.4	13 31.07	-00 15.7	18.5	-0.85	+ 5.4	3.3/11.6	22088
1993 FB ₁₀	97 04 11.4	13 19.88	-02 44.6	16.9	-0.90	+ 5.6	1.8/09.7	29662	1934 JP	97 04 14.4	13 31.23	-06 16.4	16.9	-0.89	+ 5.6	1.6/13.5	25437
1994 WH ₃	97 04 11.4	13 20.01	-05 31.6	17.1	-0.71	+ 4.3	0.7/10.5	29663	1995 WG ₅	97 04 14.5	13 31.57	-08 30.3	16.9	-0.89	+ 7.9	0.4/14.2	26410
(6780)	97 04 11.4	13 20.09	-16 41.5	16.9	-1.08	+ 4.2	3.4/13.8	26387	4177 T-1	97 04 14.5	13 31.64	-09 24.8	17.3	-1.08	+ 4.1	0.1/14.5	28892
1981 DN ₂	97 04 11.4	13 20.09	-17 51.4	18.8	-0.75	+ 6.0	2.6/14.6	29093	1993 FU ₂₈	97 04 14.6	13 31.73	-15 27.4	16.8	-0.97	+ 4.8	2.2/16.0	28317
1997 EW ₄₅	97 04 11.6	13 20.72	+05 53.8	16.3	-0.85	+ 3.6	6.4/07.2	29645	1981 EB ₃₁	97 04 14.6	13 31.81	-03 01.7	18.3	-0.73	+ 6.2	2.2/12.5	15704
(7583)	97 04 11.6	13 20.96	+06 20.6	16.7	-0.73	+ 6.0	4.5/06.6	29597	2288 T-3	97 04 14.6	13 32.03	-14 29.1	18.7	-1.03	+ 4.2	1.7/16.0	19331
1981 ET ₃₅	97 04 11.7	13 21.12	-15 32.3	19.4	-0.74	+ 7.1	2.2/14.1	26921	1991 UQ	97 04 14.7	13 32.09	-10 11.9	15.9	-1.04	+ 4.2	0.2/14.9	29659
1994 PA ₃₉	97 04 11.7	13 21.32	-09 55.3	17.2	-0.90	+ 7.1	0.6/12.2	29138	(6682)	97 04 14.8	13 32.34	-14 05.0	18.1	-1.01	+ 4.1	1.5/16.1	26148
1978 UY ₄	97 04 11.8	13 21.36	-10 23.6	18.9	-0.97	+ 6.8	0.6/12.4	26418	1988 PL	97 04 14.8	13 32.57	-09 45.5	17.1	-1.01	+ 6.8	0.0/14.9	26579
1981 EC ₇	97 04 11.8	13 21.43	-20 00.6	18.7	-0.68	+ 3.2	2.9/15.5	26916	1990 WE ₂	97 04 14.9	13 33.11	-08 41.6	15.9	-0.81	+11.1	0.4/14.6	22404
1996 BG ₂	97 04 11.8	13 21.46	-40 02.5	17.0	-1.21	- 0.3	10.5/21.0	26752	1978 SE ₅	97 04 15.0	13 33.15	-09 32.2	16.8	-0.83	+ 8.3	0.1/15.0	29652
1987 SX ₁₇	97 04 11.8	13 21.53	-12 21.3	16.9	-0.97	+ 6.6	1.3/13.0	28613	1989 CJ ₈	97 04 15.0	13 33.33	+05 52.4	14.6	-0.74	+ 7.9	7.1/09.4	29657
1991 TN	97 04 11.8	13 21.55	+02 38.8	16.3	-0.92	+ 4.5	5.0/08.4	26399	(6724)	97 04 15.1	13 33.77	+05 51.9	15.9	-0.78	+ 3.6	5.1/10.4	26158
1991 VE ₃	97 04 11.8	13 21.57	-01 24.7	18.4	-0.88	+ 5.3	2.2/09.7	25959	1982 ST ₇	97 04 15.2	13 33.89	-14 47.9	18.9	-0.89	+ 4.5	1.4/16.7	16231
(6805)	97 04 11.9	13 21.89	-05 52.4	17.1	-0.75	+ 4.7	0.8/11.1	26392	1993 FL ₃₃	97 04 15.4	13 34.61	-06 48.1	17.8	-0.94	+ 4.2	1.0/14.5	23526
2239 T-3	97 04 12.0	13 22.31	-16 38.0	17.1	-0.91	+ 3.9	3.0/14.4	24405	1981 RF ₂	97 04 15.4	13 34.83	-26 13.6	16.0	-0.76	+ 6.2	4.9/21.0	29653
(6908)	97 04 12.1	13 22.68	-01 21.6	16.8	-0.84	+ 4.0	2.3/09.9	26891	1980 RB ₈	97 04 15.4	13 34.98	-15 43.7	16.5	-0.91	+ 7.5	2.4/17.4	29653
1994 UZ ₁₂	97 04 12.2	13 22.91	-00 22.6	18.2	-0.70	+ 4.5	2.1/09.5	27731	(6905)	97 04 15.5	13 34.98	-00 35.3	15.7	-0.95	+ 2.2	2.9/13.0	26891
1996 AB	97 04 12.3	13 23.21	-12 36.3	17.2	-0.75	+ 4.3	1.0/13.5	26761	1982 UD ₄	97 04 15.5	13 35.18	-11 03.5	19.1	-0.90	+ 4.7	0.3/15.9	20812
1993 FK ₂₅	97 04 12.3	13 23.52	-10 07.2	17.7	-0.90	+ 6.0	0.4/12.8	26421	1995 XR ₁	97 04 15.5	13 35.25	+01 49.7	16.3	-1.04	+ 5.2	4.3/12.1	29628
1990 DM ₃	97 04 12.3	13 23.54	-12 48.1	16.7	-1.08	+ 3.2	1.8/13.5	21573	1995 TQ ₆	97 04 15.5	13 35.25	-10 39.5	16.5	-1.05	+ 3.8	0.3/15.8	26569
1985 RD ₃	97 04 12.4	13 23.65	-04 23.8	18.0	-1.01	+ 6.1	1.7/11.1	26578	1981 EJ ₂₉	97 04 15.5	13 35.34	-07 56.6	18.0	-0.72	+ 7.2	0.6/14.9	26920
1986 TW ₉	97 04 12.5	13 24.03	-17 59.0	17.9	-0.90	+ 4.7	2.7/15.3	26579	1981 EO ₄₃	97 04 15.6	13 35.33	-13 44.5	19.7	-0.82	+ 3.4	1.3/16.7	26923
1984 UD ₃	97 04 12.6	13 24.45	-09 49.2	17.1	-0.91	+ 7.9	0.3/13.0	22492	1992 BJ ₁	97 04 15.6	13 35.41	-04 44.3	18.0	-0.89	+ 4.3	1.7/14.1	26758
1981 ER ₃₅	97 04 12.8	13 25.06	-21 16.9	18.8	-0.80	+ 4.3	3.4/16.7	26578	1991 EJ ₄	97 04 15.6	13 35.48	-16 21.8	15.7	-0.81	+ 3.9	2.0/17.6	26740
1995 WQ ₁	97 04 12.8	13 25.10	-14 10.0	18.8	-0.88	+ 5.5	1.6/14.5	26906	1971 UQ	97 04 15.6	13 35.50	-06 49.4	18.3	-1.02	+ 4.8	1.1/14.8	22696
1988 AX ₁	97 04 12.9	13 25.44	-31 09.3	17.2	-1.03	+ 3.6	7.8/20.0	21971	(7104)	97 04 15.7	13 35.73	-18 17.6	16.5	-1.00	+ 3.2	3.2/18.0	27697
1987 UV ₁	97 04 12.9	13 25.46	-11 31.8	17.4	-0.95	+ 5.1	0.9/13.7	29655	1990 FH	97 04 15.8	13 36.12	+20 10.5	15.3	-1.60	-15.6	16.4/13.5	26579
1995 WX ₄₂	97 04 12.9	13 25.75	+14 53.6	17.8	-0.91	+ 3.2	7.8/05.6	26572	1990 DW ₂	97 04 15.8	13 36.19	-12 17.0	16.5	-0.73	+ 3.8	0.6/16.5	25649
5200 T-2	97 04 13.0	13 25.81	-21 30.2	17.1	-0.83	+ 4.0	4.0/16.9	21978	(6810)	97 04 15.9	13 36.60	-26 27.6	16.4	-0.82	+ 3.8	4.9/21.1	26548
1977 RL ₇	97 04 13.1	13 26.10	-05 57.9	18.0	-0.78	+ 7.7	0.9/12.1	24116	1984 CE	97 04 16.0	13 36.95	+10 43.8	17.7	-0.87	+ 4.0	6.1/09.6	26738
1993 FT ₈	97 04 13.1	13 26.19	-03 22.0	17.1	-0.92	+ 5.3	1.9/11.4	28616	(6698)	97 04 16.0	13 36.99	-12 00.3	17.2	-0.95	+ 4.7	0.6/16.6	26152
1995 WY ₄₁	97 04 13.2	13 26.50	-15 04.7	18.2	-0.97	+ 5.9	2.0/15.0	26582	(6838)	97 04 16.0	13 37.08	-25 36.2	15.3	-0.86	+ 9.2	5.6/21.6	26555
1994 PK ₁₄	97 04 13.4	13 27.18	-19 18.2	19.9	-0.89	+ 4.0	3.0/16.4	27448	(7600)	97 04 16.1	13 37.28	-13 36.5	17.1	-0.80	+ 7.6	1.2/17.3	29601
6053 P-L	97 04 13.4	13 27.32	-09 57.1	18.0	-0.87	+ 6.6	0.3/13.7	26583	1992 DS ₆	97 04 16.1	13 37.32	-17 01.9	15.2	-1.02	+ 1.7	2.6/17.9	29660
1991 TH ₂	97 04 13.5	13 27.67	-06 14.3	17.9	-0.92	+ 6.0	0.9/12.6	28886	1991 ST	97 04 16.1	13 37.39	+00 56.4	16.6	-1.09	+ 4.5	4.7/13.0	29659
1992 WO ₃	97 04 13.5	13 27.84	-20 06.7	16.4	-0.93	+15.7	4.1/17.8	27326	1985 PT	97 04 16.1	13 37.59	+08 08.3	17.4	-0.81	+ 6.2	5.5/10.0	23779
1990 SC ₈	97 04 13.5	13 27.93	+00 56.9	19.5	-0.84	+ 6.5	3.2/10.3	24389	1988 TG ₅	97 04 16.2	13 37.59	-10 56.6	17.2	-0.98	+ 6.8	0.3/16.5	25729
1995 WN ₈	97 04 13.6	13 27.94	+09 38.9	15.5	-0.79	+ 9.6	7.9/06.5	29665	(6874)	97 04 16.2	13 37.65	+02 13.9	16.8	-1.11	+ 4.4	5.4/12.7	26734
1995 YB ₃	97 04 13.6	13 28.06	-05 18.0	17.1	-0.76	+ 4.3	1.1/12.4	26574	1986 GC	97 04 16.2	13 37.70	-02 52.1	16.4	-1.02	+ 1.9	3.2/14.3	27726

1996 BJ ₄	97 04 16.5	13 38.79	+10 46.5	17.5	-0.87	+ 4.0	6.3/09.9	27450	(6846)	97 04 19.7	13 50.94	-06 57.7	18.5	-0.93	+ 5.6	1.5/18.5	26728
1994 TD	97 04 16.5	13 38.85	-07 20.3	17.7	-0.74	+ 5.4	0.9/15.6	29663	4636 P-L	97 04 19.8	13 51.16	-18 36.1	17.9	-0.91	+ 0.6	2.3/21.7	22701
1981 EN ₇	97 04 16.5	13 38.89	-22 54.8	18.6	-0.86	+ 3.0	3.7/20.2	26916	1996 AU	97 04 19.9	13 51.52	+15 11.1	17.7	-0.84	+ 4.4	8.1/11.1	26748
1995 WQ ₇	97 04 16.5	13 39.01	-10 55.0	17.7	-0.95	+ 5.2	0.2/16.8	26411	1983 RX ₃	97 04 20.0	13 52.04	+02 45.6	16.8	-0.80	+ 9.0	4.7/15.0	26923
2203 T-3	97 04 16.6	13 39.12	-12 56.5	17.7	-0.70	+ 7.6	0.8/17.5	22702	1995 UK ₁	97 04 20.0	13 52.10	-11 31.6	17.8	-1.04	+ 5.3	0.0/20.1	29664
1990 WS ₄	97 04 16.6	13 39.12	-06 38.6	17.5	-0.81	+ 5.3	1.1/15.5	27934	2527 P-L	97 04 20.1	13 52.22	-03 14.7	19.2	-0.67	+ 5.8	1.9/17.4	27123
1981 EX ₄₀	97 04 16.6	13 39.15	-20 56.8	19.4	-0.88	+ 2.2	3.2/19.6	26922	1981 UB ₂₃	97 04 20.1	13 52.24	-06 46.3	17.5	-0.82	+ 4.7	1.4/18.7	20498
1993 JL	97 04 16.6	13 39.41	+13 05.0	15.2	-0.99	+ 0.4	9.4/10.1	29662	1993 PC ₅	97 04 20.1	13 52.31	-01 16.2	17.1	-0.72	+ 6.2	3.0/16.8	28616
1990 XZ	97 04 16.7	13 39.39	+15 08.4	16.1	-1.56	- 5.2	11.7/12.2	18635	1983 YK	97 04 20.1	13 52.33	-00 16.5	17.0	-0.69	+ 5.7	3.3/16.5	28612
1981 ET ₆	97 04 16.9	13 40.44	-24 03.2	18.4	-0.72	+ 2.6	3.8/21.1	26916	(6680)	97 04 20.1	13 52.40	-20 34.4	16.9	-0.97	+ 6.9	3.2/22.9	26148
1992 AH ₁	97 04 17.1	13 41.18	-24 13.0	16.6	-1.03	+ 2.1	5.4/21.0	26580	1981 EQ ₇	97 04 20.2	13 52.41	-24 47.1	19.2	-0.85	+ 3.6	4.2/24.1	26916
1983 AC ₁	97 04 17.2	13 41.41	+40 27.5	16.6	-0.93	+ 1.9	21.1/01.0	22075	3336 T-2	97 04 20.3	13 52.77	-05 13.8	18.8	-0.92	+ 6.1	2.1/18.4	25540
1983 RT ₁	97 04 17.3	13 41.76	-15 54.4	17.7	-1.05	+ 3.0	2.1/18.7	24117	(6824)	97 04 20.4	13 53.27	-08 41.7	18.0	-0.73	+ 4.0	0.7/19.6	26552
(6792)	97 04 17.3	13 41.96	-05 15.1	16.9	-0.95	+ 5.0	1.7/15.8	26389	1995 YC ₃	97 04 20.5	13 53.69	-06 57.6	16.7	-0.78	+ 4.1	1.5/19.2	29665
1981 EX ₃₃	97 04 17.3	13 42.02	-21 10.3	19.5	-0.83	+ 3.8	3.1/20.6	26921	4032 T-3	97 04 20.5	13 53.76	-08 17.0	18.3	-1.00	+ 4.1	1.2/19.6	22495
1981 EO ₄	97 04 17.5	13 42.51	-25 11.1	19.2	-0.83	+ 4.1	4.2/22.0	22696	(7063)	97 04 20.7	13 54.45	-14 37.0	17.5	-0.95	+ 5.6	1.0/21.6	27439
1992 CD ₃	97 04 17.7	13 43.27	+02 43.9	17.7	-0.83	+ 7.0	4.5/13.3	23978	1987 RZ	97 04 20.7	13 54.64	-08 46.7	18.6	-0.73	+ 4.1	0.8/19.9	27119
3107 P-L	97 04 17.7	13 43.32	-13 06.3	18.0	-0.82	+ 8.2	0.7/18.5	29668	1978 VW ₈	97 04 21.0	13 55.40	-08 49.5	17.9	-0.75	+ 3.8	0.8/20.1	28882
1980 VZ ₂	97 04 17.7	13 43.39	-15 19.8	19.4	-0.95	+ 5.8	1.5/19.1	26737	1987 SJ ₁	97 04 21.0	13 55.44	-11 27.2	18.4	-0.96	+ 5.8	0.1/20.9	29655
1981 EK ₃₅	97 04 17.8	13 43.49	-11 55.5	18.4	-0.78	+ 4.4	0.3/18.2	29653	(6906)	97 04 21.0	13 55.63	-01 35.4	17.5	-0.86	+ 2.8	2.9/18.2	26891
1991 YV	97 04 17.8	13 43.50	+13 20.7	16.3	-0.88	+ 3.2	8.5/10.5	29660	1995 UV ₈	97 04 21.1	13 55.88	-08 44.6	17.4	-0.93	+ 4.3	1.0/20.3	26746
1994 RL ₁	97 04 17.8	13 43.67	-04 03.5	17.9	-0.83	+ 8.8	2.1/15.6	28617	1984 MQ	97 04 21.1	13 56.04	+02 54.2	16.8	-0.84	+ 6.7	5.0/16.3	22492
1992 EE ₁₄	97 04 17.9	13 43.97	-09 58.2	17.8	-0.81	+ 6.0	0.3/17.7	25650	2110 P-L	97 04 21.1	13 56.21	-15 08.0	18.5	-0.91	+ 4.8	1.1/22.1	24409
1989 AJ ₆	97 04 17.9	13 44.26	-21 29.3	16.5	-1.00	+ 3.6	4.6/21.0	29656	1986 QN	97 04 21.2	13 56.58	-05 55.5	18.4	-0.85	+ 5.4	1.8/19.5	27727
1993 FK ₂₁	97 04 17.9	13 44.28	-09 59.6	17.0	-0.92	+ 5.9	0.3/17.8	26758	2622 P-L	97 04 21.3	13 56.60	-09 49.1	17.5	-0.76	+ 4.4	0.7/20.7	26414
3039 T-3	97 04 18.0	13 44.50	-06 01.3	18.4	-0.84	+ 5.3	1.5/16.6	26417	1995 UB ₈	97 04 21.3	13 56.83	-07 36.4	16.7	-1.01	+ 3.8	1.7/20.2	26570
3174 T-1	97 04 18.1	13 44.60	-19 23.1	17.0	-1.10	+ 1.4	3.4/20.2	22087	2574 P-L	97 04 21.3	13 56.88	-25 07.9	18.2	-1.01	- 0.7	3.9/24.5	29141
1996 BY ₁	97 04 18.1	13 44.75	-20 57.7	17.6	-0.90	+ 3.0	3.0/21.0	29113	1981 QK ₃	97 04 21.5	13 57.71	-27 37.2	18.1	-1.04	+ 1.7	5.2/25.6	26578
1990 QA ₈	97 04 18.1	13 44.76	-06 29.9	19.7	-0.87	+ 5.5	1.3/16.8	21974	(6691)	97 04 21.6	13 57.74	-06 13.6	17.9	-0.88	+ 5.2	1.9/19.9	26150
1993 LS ₁	97 04 18.2	13 44.98	-32 42.9	17.4	-1.04	+ 3.4	7.7/24.5	24109	1996 AE ₄	97 04 21.6	13 57.82	-08 32.9	17.1	-0.74	+ 4.3	1.0/20.6	29666
1986 TG ₁	97 04 18.3	13 45.66	-24 24.7	17.5	-1.09	+ 0.8	4.6/21.7	24239	1978 SH ₃	97 04 21.6	13 58.04	-12 18.6	17.1	-0.99	+ 6.9	0.1/21.8	21964
1981 EF ₄₈	97 04 18.4	13 45.77	-11 34.7	18.4	-0.62	+ 3.8	0.2/18.6	21968	1992 ES ₆	97 04 21.7	13 58.04	-01 08.6	18.3	-0.83	+ 4.2	3.2/18.6	26400
1973 AW ₃	97 04 18.5	13 46.49	-02 38.2	15.6	-0.88	+ 2.5	3.0/16.3	29652	1992 AE ₁	97 04 21.8	13 58.62	+05 18.9	16.1	-0.89	+ 2.3	6.4/17.2	26190
1982 UA ₇	97 04 18.7	13 47.02	+04 10.3	17.0	-0.93	+ 2.3	4.7/14.6	22271	1979 VS ₂	97 04 21.8	13 58.80	+08 17.4	16.4	-1.53	- 4.7	9.5/18.4	23132
1993 FO ₁	97 04 18.7	13 47.25	-05 59.8	16.0	-1.01	+ 3.0	1.8/17.5	29662	1989 CQ ₂	97 04 21.9	13 59.08	-06 35.1	18.4	-0.63	+ 5.4	1.4/20.2	24912
1990 QT ₄	97 04 18.8	13 47.57	-23 59.6	16.9	-1.09	+ 0.8	4.4/22.1	27933	1993 FP ₂₃	97 04 21.9	13 59.16	-15 22.0	17.6	-0.95	+ 5.0	1.1/22.9	26400
1993 FE ₁₂	97 04 18.9	13 47.62	-04 58.0	16.8	-0.94	+ 4.7	2.2/17.2	26564	1981 ES ₃₉	97 04 22.0	13 59.19	-14 09.1	20.3	-0.80	+ 4.4	0.6/22.6	22430
1987 QS	97 04 18.9	13 47.66	-22 11.9	17.7	-1.06	+ 3.8	4.3/21.9	27727	1981 EY ₆	97 04 22.1	13 59.94	-27 55.9	19.6	-0.85	+ 3.6	4.3/26.8	26916
1989 TZ ₁₅	97 04 18.9	13 47.67	-20 18.5	15.8	-0.96	+ 1.5	3.5/21.3	29134	1992 HK ₁	97 04 22.2	14 00.03	-11 39.4	17.5	-0.83	+ 3.6	0.2/22.1	29660
1996 BH ₄	97 04 19.0	13 48.09	+13 07.7	18.5	-0.89	+ 3.9	7.4/11.3	27450	1981 UU ₂₉	97 04 22.3	14 00.62	-13 29.5	19.1	-1.02	+ 5.8	0.4/22.7	29654
1993 FX ₇₉	97 04 19.1	13 48.32	-10 24.8	16.5	-0.92	+ 6.0	0.3/18.9	24762	1994 NS	97 04 22.4	14 01.01	-10 12.3	15.8	-0.90	+11.1	1.0/21.8	27730
1991 VY	97 04 19.1	13 48.40	-04 32.0	16.4	-0.96	+ 3.5	2.4/17.3	26420	1990 RO ₇	97 04 22.4	14 01.05	-08 03.9	17.9	-0.87	+ 5.6	1.5/21.2	24761
1264 T-2	97 04 19.1	13 48.58	-13 10.6	18.4	-0.89	+ 4.3	0.6/19.7	24578	1994 PZ ₂₉	97 04 22.5	14 01.04	-14 56.7	17.8	-0.98	+ 6.3	0.9/23.3	25083
1975 SX	97 04 19.3	13 49.09	-10 55.8	18.5	-0.70	+ 4.2	0.1/19.2	24116	1991 VR ₁	97 04 22.5	14 01.32	-21 17.1	17.6	-0.98	+ 4.5	2.9/25.1	26758
(6786)	97 04 19.3	13 49.11	-07 11.5	16.3	-0.77	+ 4.1	1.3/18.1	26388	1994 UM ₁	97 04 22.6	14 01.69	-15 55.4	16.3	-0.92	+ 5.8	1.3/23.7	26422
1977 AW ₂	97 04 19.3	13 49.46	-15 03.1	16.6	-0.86	+ 3.9	1.2/20.5	29131	1993 BX ₁₃	97 04 22.6	14 01.72	-08 32.0	17.7	-0.97	+ 7.0	1.4/21.5	27730
1991 RS ₁₃	97 04 19.4	13 49.75	-19 49.4	16.8	-1.03	+ 5.4	3.7/21.9	26398	1981 EV ₁₈	97 04 22.6	14 01.74	-11 43.2	18.2	-0.77	+ 5.6	0.2/22.5	24406
1980 RC	97 04 19.5	13 49.96	-00 54.1	19.0	-0.88	+ 7.4	3.3/16.3	14781	1981 EY ₂₂	97 04 22.6	14 01.76	-08 14.3	17.6	-0.94	+ 7.6	2.0/21.4	26919
1991 SS ₁	97 04 19.6	13 50.35	-10 01.0	20.9	-0.96	+ 4.1	0.4/19.3	25538	1974 PC	97 04 22.7	14 01.96	+22 44.3	19.2	-0.97	+ 6.7	11.2/09.7	27323
(6793)	97 04 19.6	13 50.36	-02 27.6	16.3	-0.86	+ 4.0	3.5/17.1	26390	1994 RN ₇	97 04 22.8	14 02.15	-16 40.6	18.7	-0.88	+ 3.8	1.4/24.0	24233
1987 YS ₁	97 04 19.6	13 50.44	+07 16.5	17.2	-0.83	+ 6.6	6.5/13.6	28841	1993 FR ₁₂	97 04 22.8	14 02.16	-06 05.5	16.1	-0.93	+ 4.1	2.6/21.1	26173

1969 TM ₁	97 04 22.8	14 02.41	-10 40.9	17.4	-1.02	+ 2.8	0.6/22.4	29652	1981 EP ₁₃	97 04 25.6	14 12.82	-23 01.1	17.0	-1.12	+ 4.7	4.1/28.1	23787
1990 VC ₁₅	97 04 22.9	14 02.71	-09 02.4	16.4	-0.83	+ 5.4	1.1/21.9	27934	1993 FS ₉	97 04 25.6	14 12.83	-03 07.4	17.6	-0.96	+ 5.7	3.6/22.7	29137
1988 KA	97 04 23.0	14 02.95	-06 12.6	15.7	-1.09	+ 4.8	2.8/21.3	29656	2108 T-2	97 04 25.7	14 13.49	-11 56.1	17.6	-0.95	+ 6.5	0.6/25.4	21603
1989 SW ₂	97 04 23.0	14 03.00	-04 16.8	16.1	-0.84	+ 2.7	3.2/20.8	29134	1978 WU	97 04 25.8	14 13.75	-19 05.8	18.8	-0.91	+ 6.9	1.9/27.5	19012
(6931)	97 04 23.0	14 03.32	-09 01.0	16.7	-0.84	+ 1.9	1.0/22.2	26897	1985 JG ₂	97 04 25.9	14 13.99	-12 40.5	15.1	-0.96	+ 1.6	0.3/25.8	28612
1993 FH ₃₈	97 04 23.1	14 03.44	-07 38.9	17.2	-0.94	+ 5.8	1.8/21.7	26759	(6767)	97 04 25.9	14 14.16	-17 11.1	16.1	-1.00	+ 1.4	1.3/26.9	26384
(6679)	97 04 23.1	14 03.58	-11 12.7	16.3	-1.10	+ 2.6	0.6/22.8	26147	1989 WB ₃	97 04 26.1	14 14.59	-04 13.5	17.2	-0.84	+ 1.9	2.9/23.7	24562
1995 UT ₄	97 04 23.1	14 03.64	-03 30.8	16.4	-1.05	0.0	3.4/21.2	26423	1981 EB ₂₅	97 04 26.1	14 14.73	-02 51.7	18.7	-0.76	+ 7.1	3.3/22.7	26919
1994 WQ ₃	97 04 23.4	14 04.55	-03 40.8	16.5	-0.76	+ 5.9	2.7/20.6	26745	1995 YM	97 04 26.1	14 14.93	+14 45.1	15.3	-0.81	+ 0.4	10.2/18.1	26907
1978 VT ₉	97 04 23.4	14 04.62	-09 58.3	19.0	-1.07	+ 4.2	1.0/22.8	22270	1990 VT ₆	97 04 26.2	14 14.99	-09 49.0	18.5	-0.85	+ 5.2	1.2/25.2	25649
1976 QL ₂	97 04 23.4	14 04.71	-11 59.8	17.2	-0.81	+ 2.0	0.2/23.3	29652	1993 NS ₁	97 04 26.2	14 15.27	-01 17.8	19.0	-0.72	+ 3.5	2.9/22.7	24232
1994 TK ₃	97 04 23.5	14 04.77	-07 30.7	16.9	-0.81	+ 4.2	1.7/22.0	29663	1988 VY ₂	97 04 26.2	14 15.29	-03 57.4	16.1	-0.81	+ 1.6	2.7/23.8	24387
1985 VK	97 04 23.5	14 04.96	-03 13.9	16.9	-0.83	+ 3.4	2.8/20.9	29655	6628 P-L	97 04 26.3	14 15.49	-11 45.2	18.8	-0.95	+ 5.2	0.7/25.8	24764
3289 T-2	97 04 23.5	14 04.98	-02 12.6	16.7	-0.73	+ 6.1	3.2/20.2	29669	(7147)	97 04 26.3	14 15.61	-16 52.8	17.8	-1.00	+ 4.7	1.3/27.2	27707
1990 VS ₅	97 04 23.6	14 05.30	+02 23.5	18.1	-0.84	+ 3.2	4.5/19.4	26925	1990 UB ₄	97 04 26.4	14 15.98	-05 49.5	18.2	-0.79	+ 6.7	2.4/24.1	24912
1994 UJ ₂	97 04 23.6	14 05.51	-03 51.3	17.4	-0.84	+ 1.7	2.5/21.4	29138	1993 FH ₂₀	97 04 26.4	14 16.11	-16 18.7	18.0	-0.97	+ 5.1	0.9/27.2	27915
1995 XG	97 04 23.8	14 05.90	-11 58.5	17.6	-1.06	+ 4.0	0.3/23.6	26413	2175 P-L	97 04 26.5	14 16.11	-19 20.9	17.6	-0.95	+ 3.0	2.2/28.0	26761
(6826)	97 04 23.8	14 06.30	-07 32.6	16.9	-0.81	+ 3.9	1.7/22.4	26552	1996 AB ₁	97 04 26.6	14 16.42	-08 28.2	17.0	-0.82	+ 4.0	1.7/25.2	28618
4604 P-L	97 04 23.8	14 06.32	-13 14.2	18.1	-1.03	+ 4.3	0.2/24.0	22821	1987 UT	97 04 26.7	14 16.98	-20 44.0	18.2	-1.05	+ 5.1	2.6/28.6	24239
(6829)	97 04 23.9	14 06.27	-10 28.8	17.2	-0.81	+ 4.8	0.7/23.2	26553	1994 WC	97 04 26.7	14 16.99	-12 52.4	17.8	-1.13	+ 1.7	0.3/26.6	28617
1994 PL ₁₁	97 04 24.1	14 07.17	-22 31.5	17.6	-1.00	+ 4.6	3.8/26.8	27558	(6821)	97 04 26.8	14 17.30	-26 40.5	15.9	-0.92	+ 7.6	4.4/01.0	26551
(6791)	97 04 24.1	14 07.36	-13 55.7	17.4	-0.94	+ 5.4	0.4/24.5	26389	1990 QP ₈	97 04 26.8	14 17.51	-14 42.7	18.5	-0.91	+ 4.5	0.3/27.1	23974
1981 EA ₃₇	97 04 24.1	14 07.42	-23 43.8	19.4	-1.04	+ 2.5	4.4/27.0	26921	1994 UQ ₁	97 04 26.9	14 17.75	-12 17.3	17.0	-0.90	+ 5.9	0.5/26.5	24764
1994 TS ₃	97 04 24.2	14 07.59	-12 50.9	16.4	-1.00	+ 1.1	0.0/24.2	26759	1988 SH ₂	97 04 26.9	14 17.97	+03 17.0	16.6	-0.79	+ 3.2	5.1/22.1	29656
1990 WK ₂	97 04 24.4	14 08.20	-31 19.9	17.1	-0.93	+ 4.9	5.4/30.0	26925	1988 CH ₃	97 04 27.0	14 17.97	-36 56.6	16.5	-0.95	+ 4.9	9.5/04.2	27932
1994 PU ₂	97 04 24.4	14 08.38	-16 33.0	19.6	-0.93	+ 4.6	1.1/25.4	27313	1981 QR ₃	97 04 27.0	14 18.36	-30 50.6	17.0	-1.15	- 0.2	6.5/30.7	28882
1993 FB ₁₉	97 04 24.5	14 08.81	-02 31.7	18.0	-0.89	+ 5.6	3.7/21.5	23523	1971 UN	97 04 27.0	14 18.37	-13 40.5	16.1	-1.06	+ 2.2	0.1/27.1	29652
1988 TZ	97 04 24.5	14 08.86	-14 58.2	17.0	-1.05	+ 3.9	0.7/25.1	27727	3306 T-1	97 04 27.1	14 18.41	-10 19.4	18.0	-0.96	+ 6.1	1.5/26.1	27732
1990 SG ₁₁	97 04 24.5	14 08.95	-12 19.7	16.5	-0.93	+ 6.2	0.3/24.4	26579	1991 UE ₁	97 04 27.1	14 18.77	-15 33.8	18.4	-0.96	+ 4.5	0.6/27.6	26562
1990 SG ₁₂	97 04 24.6	14 09.03	-12 50.3	19.0	-0.88	+ 5.7	0.1/24.6	24912	1995 YT ₂	97 04 27.2	14 18.85	-08 17.1	19.2	-0.90	+ 3.6	1.7/25.8	26907
3101 T-3	97 04 24.6	14 09.33	-11 33.4	17.2	-1.10	+ 1.5	0.6/24.3	20347	1994 PN ₂₅	97 04 27.2	14 18.90	-09 45.3	17.0	-0.92	+ 4.0	1.9/26.2	29138
1978 VT ₄	97 04 24.7	14 09.51	-13 02.1	18.3	-0.78	+ 3.7	0.0/24.7	28882	1984 SD ₆	97 04 27.2	14 19.12	-18 18.2	17.8	-1.08	+ 3.1	1.6/28.4	25537
1990 VE ₁	97 04 24.8	14 09.66	+08 35.0	17.4	-0.83	+ 5.3	6.7/18.0	27728	1996 AE	97 04 27.3	14 19.31	-17 10.5	18.0	-0.95	+ 6.4	1.1/28.3	29665
1990 RT ₈	97 04 24.8	14 09.76	-08 19.3	18.8	-0.94	+ 5.9	1.9/23.5	27710	(6862)	97 04 27.3	14 19.46	-20 34.8	15.9	-0.88	+ 1.1	2.0/29.0	26732
1980 UL ₁	97 04 24.8	14 10.05	-18 05.1	16.4	-0.84	+ 6.6	1.6/26.4	29653	1997 FT ₁	97 04 27.4	14 19.67	+05 30.0	18.9	-0.86	+ 3.4	6.1/22.0	29647
1991 RH ₂₅	97 04 24.8	14 10.06	-05 59.4	16.4	-1.03	+ 3.3	2.6/23.1	26925	1994 PS ₁₀	97 04 27.5	14 20.08	-17 36.7	18.3	-1.01	+ 4.5	1.3/28.5	24748
1996 AT ₇	97 04 24.9	14 10.10	+00 59.8	15.9	-0.86	+ 3.7	4.8/20.9	27938	1984 UW	97 04 27.5	14 20.26	-21 17.1	18.7	-0.83	+ 4.0	1.9/29.6	21969
1995 YH ₃	97 04 24.9	14 10.27	+01 11.2	18.9	-0.97	+ 4.6	4.8/21.0	26574	1981 EV ₂₈	97 04 27.6	14 20.40	-12 14.4	18.1	-0.76	+ 6.8	0.5/27.1	22271
1983 RB ₂	97 04 24.9	14 10.33	+00 37.3	17.1	-0.86	+ 8.6	4.8/20.5	26578	1993 FP ₁₀	97 04 27.6	14 20.40	-08 32.5	17.9	-0.94	+ 4.9	2.0/26.2	26564
1991 UV	97 04 25.0	14 10.46	-13 24.2	15.7	-0.99	+ 6.3	0.1/25.1	29659	1995 XS ₁	97 04 27.6	14 20.55	-14 39.7	17.8	-0.95	+ 5.1	0.2/27.8	26761
(6860)	97 04 25.0	14 10.81	-10 01.2	16.6	-0.77	+ 4.2	1.0/24.2	26731	3197 T-3	97 04 27.7	14 20.74	-11 39.5	18.0	-0.76	+ 3.4	0.6/27.1	22088
1993 FY ₄₁	97 04 25.1	14 10.89	-14 18.1	18.2	-0.98	+ 4.3	0.4/25.4	26401	1994 PW ₂₆	97 04 27.7	14 20.87	-01 04.9	19.0	-0.78	+ 4.5	3.5/24.1	29138
2104 T-1	97 04 25.2	14 11.16	-14 25.4	16.8	-0.96	+ 3.0	0.6/25.5	29668	(6713)	97 04 27.7	14 20.93	-09 24.9	15.7	-0.82	+16.3	1.9/26.1	26155
1990 AD	97 04 25.2	14 11.32	+08 38.6	17.0	-0.74	+ 2.4	5.4/18.9	29611	(7531)	97 04 27.8	14 21.26	-12 41.5	16.1	-0.89	+ 7.1	0.6/27.5	29294
(7192)	97 04 25.2	14 11.39	-05 43.8	16.4	-0.70	+ 6.2	2.1/22.9	27902	1996 DE ₂	97 04 27.9	14 21.43	-09 53.9	20.5	-0.75	+ 3.8	1.1/26.7	27457
2584 P-L	97 04 25.3	14 11.61	-11 49.0	19.4	-0.90	+ 5.6	0.5/24.9	26911	1994 WT ₂	97 04 27.9	14 21.54	-13 20.4	17.3	-0.75	+ 2.3	0.2/27.7	26927
3039 T-2	97 04 25.3	14 11.69	-05 50.0	20.2	-0.87	+ 5.5	2.6/23.2	27928	1992 EO ₆	97 04 27.9	14 21.54	-11 51.9	18.7	-0.90	+ 3.2	0.7/27.4	23783
1252 T-2	97 04 25.3	14 11.87	-14 43.6	20.1	-0.92	+ 4.0	0.5/25.8	26577	1978 SD ₃	97 04 27.9	14 21.57	-21 29.4	16.6	-1.15	+ 2.8	3.4/29.6	27118
1978 SE ₁	97 04 25.4	14 12.17	-03 49.9	18.0	-0.93	+ 3.5	3.1/22.9	27453	1988 RO ₁₁	97 04 28.1	14 22.42	-14 40.9	18.8	-0.78	+ 3.6	0.1/28.3	29656
1993 FB ₃₂	97 04 25.4	14 12.19	-08 34.4	17.5	-0.92	+ 5.5	1.6/24.1	24108	1996 AS ₂	97 04 28.1	14 22.44	-14 07.1	17.2	-0.78	+ 3.4	0.0/28.2	26749
1991 AG ₂	97 04 25.4	14 12.24	+05 03.8	19.2	-0.78	+ 5.2	4.8/19.8	17833	1995 XD	97 04 28.1	14 22.45	-08 32.6	17.7	-0.98	+ 2.6	2.0/26.8	26761

1990 WP ₄ (6878)	97 04 28.2	14 22.54	+00 17.9	16.4	-0.88	+ 1.4	5.5/24.6	29658	(6736)	97 04 30.4	14 30.96	-12 35.0	16.8	-1.01	+ 3.4	0.9/29.9	26161
1995 SS ₅₃	97 04 28.2	14 22.66	-08 07.5	16.5	-0.97	+ 4.1	2.3/26.7	26735	1997 GO ₆	97 04 30.4	14 31.07	-14 49.9	17.5	-0.79	+ 3.8	0.0/30.4	29648
1989 TC ₃	97 04 28.2	14 22.82	-15 03.9	18.5	-1.04	+ 3.9	0.3/28.5	26746	1137 T-1	97 04 30.4	14 31.28	-20 18.1	16.5	-1.09	+ 5.5	2.3/01.9	26929
1979 MA ₄ (7478)	97 04 28.3	14 22.91	-11 19.2	17.5	-0.76	+ 5.2	2.7/25.7	24761	1996 CL ₂	97 04 30.4	14 31.29	-25 36.9	16.7	-0.92	+ 1.2	3.1/03.1	29139
(7155)	97 04 28.3	14 23.27	-09 16.0	18.2	-0.82	+ 4.1	1.6/27.0	29083	1993 FU ₇	97 04 30.5	14 31.25	-09 35.2	17.8	-1.02	+ 4.4	2.1/29.2	29662
1990 TD ₁₂	97 04 28.4	14 23.27	+03 28.2	17.3	-0.77	+ 3.2	5.4/23.4	27894	1988 VS ₁	97 04 30.5	14 31.30	-09 42.5	16.9	-1.06	+ 4.7	2.0/29.2	29656
1991 RM ₂	97 04 28.4	14 23.31	-16 44.3	19.1	-0.87	+ 4.9	0.8/29.1	27711	1996 CW ₂	97 04 30.5	14 31.58	-26 27.6	18.1	-0.86	+ 2.2	3.4/03.5	29629
1987 SC ₆	97 04 28.5	14 23.91	-12 48.2	16.7	-0.77	+ 4.1	0.4/28.1	28613	1982 VO ₃	97 04 30.5	14 31.61	-11 52.4	18.5	-0.75	+ 3.4	0.8/29.8	29654
1981 EA ₃₂	97 04 28.6	14 24.02	-18 59.0	19.6	-0.77	+ 6.0	1.3/30.0	26921	1981 QK	97 04 30.5	14 31.63	-21 49.5	17.6	-1.14	+ 3.0	2.7/02.2	21968
1978 TH ₇	97 04 28.6	14 24.40	-00 57.7	17.0	-0.73	+ 4.3	3.6/24.8	28882	1991 RN ₁₃	97 04 30.6	14 31.62	-21 32.6	16.8	-1.08	+ 6.0	2.9/02.3	26901
1977 DD ₁	97 04 28.7	14 24.68	-04 16.4	17.1	-1.00	+ 5.7	3.9/26.0	27930	1983 VH ₁ (7483)	97 04 30.6	14 31.74	-03 54.8	16.4	-0.79	+ 1.9	3.1/27.9	29316
1994 VR	97 04 28.8	14 24.90	-11 58.0	18.3	-0.91	+ 1.7	0.7/28.3	24585	1975 SE ₁	97 04 30.7	14 32.01	-10 58.3	17.1	-0.77	+ 3.0	1.1/29.7	29587
1993 GO	97 04 28.8	14 25.02	-04 17.6	15.2	-1.09	- 4.2	4.8/27.2	29662	1991 GB ₃	97 04 30.7	14 32.32	-15 25.6	17.3	-0.78	+ 3.5	7.8/11.0	29658
1981 EV ₂	97 04 28.8	14 25.09	-21 46.6	17.7	-0.80	+ 6.1	2.3/31.0	26915	3395 T-3	97 04 30.8	14 32.59	-09 12.0	17.0	-0.93	+ 6.5	2.4/29.2	29669
1991 VF ₇	97 04 28.9	14 25.37	-18 41.1	16.2	-0.92	+ 7.0	1.7/30.2	26758	1990 UG ₄	97 04 30.8	14 32.76	-04 25.3	16.6	-0.78	+11.1	4.2/27.3	29612
1989 YO ₅	97 04 29.0	14 25.79	-10 53.9	15.7	-0.78	+ 3.3	1.2/28.1	29657	1989 SR ₂	97 04 30.9	14 32.93	-10 23.1	17.6	-0.82	+ 3.5	1.5/29.7	29657
1993 FT ₇	97 04 29.0	14 25.96	-04 51.2	18.0	-0.92	+ 5.8	3.5/26.4	23522	1986 UH ₃	97 05 01.0	14 33.15	-16 07.6	19.2	-0.91	+ 4.3	0.3/01.3	26756
1993 FN ₆	97 04 29.1	14 25.97	-18 47.3	17.9	-1.06	+ 0.9	1.9/30.1	29616	2600 P-L (6753)	97 05 01.0	14 33.28	-13 59.6	18.8	-0.96	+ 5.1	0.4/30.8	26582
1986 XT	97 04 29.1	14 25.98	-18 02.5	18.4	-0.94	+ 3.9	1.1/30.0	27727	1994 PH ₁₈	97 05 01.0	14 33.48	-20 59.9	15.3	-1.04	+ 4.8	2.7/02.6	26380
1995 VE	97 04 29.1	14 26.37	-17 41.6	18.2	-1.09	+ 3.9	1.3/30.0	29626	1995 UM ₈ (7193)	97 05 01.1	14 33.81	-10 44.3	17.7	-0.87	+ 5.6	2.1/30.0	29663
1988 RX ₁₂	97 04 29.2	14 26.29	-08 33.4	17.6	-0.74	+ 6.0	1.7/27.4	28884	1995 UL ₈	97 05 01.2	14 33.95	-16 33.9	18.1	-1.11	+ 2.7	0.6/01.5	29665
1990 VL ₁ (6926)	97 04 29.2	14 26.72	-19 05.4	17.3	-0.91	+ 6.8	1.5/30.6	29134	1993 OR ₈	97 05 01.2	14 33.97	-26 00.0	16.7	-0.88	+ 1.7	3.3/03.9	27902
1995 YP ₃	97 04 29.3	14 26.75	-31 26.2	17.4	-1.03	+ 2.1	5.2/03.5	26896	1995 UL ₈	97 05 01.2	14 34.05	-15 00.9	18.1	-1.03	+ 3.7	0.0/01.2	29626
1173 T-2	97 04 29.3	14 26.96	-10 25.8	16.8	-0.94	+ 4.8	1.5/28.3	29665	1993 FV ₂₄	97 05 01.2	14 34.08	-11 01.5	18.4	-0.74	+ 3.6	1.0/30.1	24568
1995 WL ₄	97 04 29.3	14 27.05	-23 54.1	19.4	-0.90	+ 2.0	2.8/01.7	22701	1995 UL ₈	97 05 01.2	14 34.11	-17 16.5	16.9	-0.91	+ 4.9	1.0/01.8	29617
1996 HB	97 04 29.3	14 27.09	-09 03.5	18.5	-0.93	+ 4.7	1.9/27.9	29627	4165 T-2	97 05 01.2	14 34.33	-09 14.4	18.4	-0.86	+ 5.2	2.0/29.7	29669
1990 SV ₁₃	97 04 29.4	14 27.10	-12 40.8	16.9	-0.82	+ 6.1	0.5/28.9	29666	1994 UB	97 05 01.2	14 34.35	+01 41.5	17.3	-0.89	+ 7.8	7.5/26.0	29621
1990 QM	97 04 29.4	14 27.39	-18 35.1	17.5	-0.97	+ 3.1	1.4/30.5	29658	1989 CE ₅	97 05 01.3	14 34.52	-18 49.8	17.1	-0.94	+ 4.3	1.7/02.3	24760
1991 AC	97 04 29.4	14 27.48	-09 54.8	15.8	-0.92	+ 5.7	2.0/28.2	28885	2532 P-L	97 05 01.3	14 34.58	-08 15.9	17.7	-0.77	+ 6.1	2.2/29.3	29668
1996 BQ ₂	97 04 29.6	14 27.83	-13 05.1	16.3	-0.85	+ 3.2	0.5/29.2	29658	1994 CY	97 05 01.3	14 34.68	-27 19.5	19.1	-0.78	+ 4.9	2.9/04.8	27121
1991 RB ₄	97 04 29.7	14 28.23	+06 43.8	17.3	-0.67	+ 3.6	5.5/23.3	28890	1993 LU ₁	97 05 01.4	14 34.99	-18 03.8	16.8	-0.87	+ 7.7	1.0/02.3	24568
1994 PD ₁₈	97 04 29.7	14 28.19	-22 45.2	17.3	-1.05	+ 3.5	3.3/01.7	26758	4220 T-3	97 05 01.5	14 35.23	-22 18.0	18.4	-0.96	- 0.5	2.0/03.0	29131
3338 T-1	97 04 29.8	14 28.64	-03 42.6	17.6	-0.89	+ 6.7	4.6/26.6	25430	1988 RD ₁ (6789)	97 05 01.6	14 35.45	-30 02.4	16.7	-0.89	+ 3.1	4.4/05.5	28841
1053 T-2	97 04 29.8	14 28.80	-15 36.9	18.0	-0.94	+ 2.2	0.5/30.1	29650	1996 AO ₁	97 05 01.6	14 35.46	-04 52.5	17.2	-0.95	+ 4.8	3.7/28.9	26389
1990 WA ₅	97 04 29.8	14 28.84	-13 58.1	18.2	-0.88	+ 4.5	0.2/29.7	26761	1995 AO ₁	97 05 01.6	14 35.46	-12 08.2	18.8	-0.98	+ 3.6	1.0/30.9	29666
1980 TT ₃	97 04 29.9	14 28.97	-04 10.9	16.7	-0.84	+ 3.8	3.7/27.1	28614	1991 UF ₁ (7205)	97 05 01.6	14 35.90	-10 51.2	18.4	-0.97	+ 4.0	1.5/30.6	23518
1987 RL ₁	97 04 30.0	14 29.35	-22 29.1	17.5	-1.08	+ 2.7	2.8/01.8	28611	4271 T-1	97 05 01.7	14 35.93	-17 44.3	15.1	-0.89	+ 4.6	1.0/02.4	27905
1987 DB ₆ (6828)	97 04 30.1	14 29.57	-12 21.2	18.0	-1.04	+ 5.2	1.0/29.4	29610	1992 DY ₇	97 05 01.8	14 36.20	-15 51.3	17.3	-1.08	+ 1.1	0.3/01.9	29650
1990 OL ₄	97 04 30.1	14 30.00	-03 25.3	18.0	-0.81	+ 4.7	3.4/27.0	26924	1995 YE ₆	97 05 01.8	14 36.20	-12 17.6	17.4	-0.89	+ 3.2	1.1/01.1	29616
1996 BX	97 04 30.1	14 30.02	+02 28.0	17.6	-0.84	+ 3.0	5.0/25.6	26553	2291 T-1 (7612)	97 05 01.8	14 36.49	-14 51.4	17.8	-0.90	+ 6.6	0.2/01.7	29629
1995 WA ₈	97 04 30.2	14 30.04	-24 03.6	17.1	-1.02	+ 5.2	3.3/02.6	26757	1991 XU	97 05 01.9	14 36.79	-11 49.3	16.7	-0.95	+ 3.2	1.3/01.1	29668
1995 WT ₅	97 04 30.3	14 30.34	-10 36.7	17.8	-0.83	+ 3.4	1.4/29.2	29629	1993 LU ₁	97 05 01.9	14 36.86	-02 07.1	16.4	-0.72	+ 4.3	3.7/28.2	29604
1988 UV	97 04 30.3	14 30.50	-20 51.4	18.2	-1.12	+ 3.4	2.3/01.7	29665	1991 XU	97 05 01.9	14 36.87	-34 40.5	15.2	-0.98	+ 5.9	7.6/07.8	26926
1992 LF (6879)	97 04 30.3	14 30.49	-16 38.5	17.0	-1.03	+ 2.3	0.8/30.7	29665	1994 VC ₁	97 05 02.1	14 37.59	-17 31.0	17.7	-0.91	+ 3.2	0.7/02.7	29663
1985 DC ₁ (7494)	97 04 30.3	14 30.73	-13 11.8	16.7	-0.96	+ 8.1	0.6/29.9	17207	1989 GU ₃	97 05 02.1	14 37.65	-20 04.4	16.2	-0.93	+ 5.8	1.9/03.4	17443
	97 04 30.3	14 30.76	+10 54.0	17.5	-0.69	+ 4.6	6.4/22.2	28586	1981 EX ₃₈ (6854)	97 05 02.1	14 37.69	-25 33.3	16.8	-0.98	+ 6.1	4.2/04.9	29653
	97 04 30.3	14 30.79	-03 27.7	17.4	-0.75	+ 2.9	3.0/27.3	26736	(6731)	97 05 02.2	14 37.77	-14 49.4	17.8	-0.94	+ 4.9	0.2/02.1	26730
	97 04 30.3	14 30.88	-13 54.5	16.7	-0.77	+ 3.8	0.3/30.1	29654	1981 EV ₃₅	97 05 02.2	14 37.80	-20 32.4	17.5	-0.97	+ 3.6	1.7/03.5	26160
	97 04 30.3	14 30.88	-26 00.1	16.0	-0.83	+ 4.9	3.6/03.6	29088	1985 PS	97 05 02.5	14 39.21	-37 03.1	19.1	-1.12	- 1.0	7.4/06.9	26921
										97 05 02.6	14 39.35	-04 59.1	19.4	-0.84	+ 4.6	2.9/29.8	26899

1996 EJ ₁₄	97 05 02.6	14 39.52	-36 02.5	18.7	-1.01	+ 0.8	6.2/07.4	29666	1990 SB ₁	97 05 05.2	14 49.53	-36 40.9	16.1	-1.16	+ 0.2	8.4/09.7	29658
1991 BZ	97 05 02.6	14 39.66	-23 34.1	18.9	-0.86	+ 4.2	2.2/04.8	27934	4036 P-L	97 05 05.2	14 49.59	-16 24.1	17.7	-0.85	+ 4.1	0.0/05.3	29668
1994 VT ₆	97 05 02.6	14 39.68	-13 02.6	17.5	-0.82	+ 3.2	0.7/02.1	29622	(7003)	97 05 05.3	14 49.71	-19 17.1	18.2	-0.77	+ 2.8	0.8/06.0	27291
1993 FV ₃₁	97 05 02.7	14 39.74	-10 06.0	16.4	-0.95	+ 3.8	2.2/01.4	29662	1988 RH ₁₁	97 05 05.3	14 50.04	-14 43.9	20.0	-0.51	+ 2.5	0.3/05.0	15713
1994 PH ₂₂	97 05 02.7	14 39.82	-12 28.5	19.0	-0.85	+ 4.3	0.9/01.9	26905	1988 RO ₂	97 05 05.4	14 50.12	-31 02.0	18.3	-0.89	+ 3.0	4.3/09.1	23991
1991 GE ₉	97 05 02.8	14 40.09	-12 29.6	17.9	-0.76	+ 3.5	0.8/02.0	29659	1983 RR ₂	97 05 05.4	14 50.26	-24 25.6	15.6	-1.12	+ 0.9	3.5/07.1	29654
1991 TQ ₂	97 05 02.8	14 40.10	-18 54.8	18.7	-0.98	+ 5.1	1.1/03.7	26420	(7477)	97 05 05.4	14 50.38	-17 36.3	15.4	-0.82	+10.3	0.5/05.9	29083
3424 T-3	97 05 02.9	14 40.63	-11 59.3	18.4	-0.88	+ 4.5	1.3/02.0	19331	1993 FS ₅₀	97 05 05.5	14 50.53	-20 01.5	17.5	-1.01	+ 3.7	1.6/06.4	24241
1990 UK	97 05 02.9	14 40.71	-11 33.7	16.9	-1.02	- 0.1	1.4/02.1	29612	(6881)	97 05 05.6	14 50.94	-14 15.7	17.1	-0.85	+ 2.9	0.7/05.1	26736
(6735)	97 05 02.9	14 40.89	-12 40.6	16.3	-1.09	+ 3.8	1.2/02.3	26161	(6941)	97 05 05.6	14 51.04	-22 40.1	16.9	-0.85	+ 7.2	1.9/07.4	27088
1994 SF ₉	97 05 03.0	14 40.91	-12 44.3	20.1	-0.87	+ 4.7	1.0/02.3	26744	1994 PC ₂₆	97 05 05.6	14 51.29	-05 29.7	18.9	-0.98	+ 4.8	4.5/02.9	29138
1995 WV ₇	97 05 03.0	14 40.93	-04 51.9	16.0	-0.99	+ 0.7	4.0/30.8	26582	4263 T-2	97 05 05.7	14 51.21	-11 54.6	19.2	-0.99	+ 3.8	1.6/04.7	23681
1988 VQ ₁	97 05 03.0	14 41.06	-15 17.8	17.4	-1.08	+ 2.3	0.1/03.0	29656	1993 PJ ₇	97 05 05.7	14 51.29	-19 43.1	17.0	-0.84	+ 3.3	1.1/06.5	28616
1975 RA ₂	97 05 03.0	14 41.22	-30 18.4	16.4	-1.44	- 4.3	5.7/05.0	29652	1994 RZ	97 05 05.7	14 51.40	-19 48.0	19.8	-0.94	+ 3.7	1.0/06.5	26927
1991 VV ₃	97 05 03.1	14 41.40	-15 02.5	17.7	-0.99	+ 3.6	0.2/03.0	29660	1994 NF ₁	97 05 05.7	14 51.47	-02 48.9	15.8	-1.06	+ 2.0	6.2/02.7	29105
1990 UJ ₁	97 05 03.2	14 41.84	-16 54.4	17.1	-0.84	+ 7.4	0.4/03.6	20149	1995 RG	97 05 05.8	14 51.63	+21 52.3	18.7	-1.42	- 5.6	17.9/28.8	26582
1981 EO ₁₉	97 05 03.3	14 41.99	-07 06.9	18.4	-0.76	+ 5.3	2.6/30.9	29609	1984 QU	97 05 05.8	14 51.79	-23 26.7	19.0	-1.11	+ 3.4	2.5/07.4	21256
1981 EH ₃₁	97 05 03.3	14 42.23	-05 01.3	20.6	-0.89	+ 5.6	3.5/30.5	21967	1992 LQ	97 05 05.9	14 52.02	-06 37.9	16.5	-0.87	+ 0.7	3.3/03.8	25441
1989 AC ₂	97 05 03.4	14 42.69	-16 04.8	17.0	-1.00	+ 4.7	0.1/03.5	29656	1992 AL	97 05 05.9	14 52.32	+03 12.3	17.8	-0.86	+ 4.0	5.8/30.9	26926
1976 QA	97 05 03.5	14 42.72	-20 37.6	17.0	-1.06	+ 4.2	1.9/04.7	24758	1988 PX ₂	97 05 05.9	14 52.41	-05 46.4	17.1	-0.75	+ 5.4	3.2/03.0	23133
1146 T-1	97 05 03.5	14 42.98	-12 33.1	17.5	-0.85	+ 6.1	1.2/02.7	29668	1992 EK ₁₄	97 05 06.0	14 52.37	-21 59.4	17.3	-1.00	+ 3.6	1.9/07.3	28886
1995 YH ₁	97 05 03.5	14 43.14	-20 39.9	16.7	-1.04	+ 5.3	1.8/04.8	26582	1988 RT ₁₂	97 05 06.0	14 52.38	-12 42.1	19.5	-0.50	+ 2.8	0.7/05.0	28884
(6778)	97 05 03.6	14 43.25	-10 58.1	16.0	-0.84	+ 3.7	1.6/02.4	26386	1994 VH	97 05 06.0	14 52.59	-19 24.3	17.9	-1.02	+ 2.2	1.0/06.7	28617
1994 VK	97 05 03.7	14 43.83	-19 28.8	18.3	-0.80	+ 2.5	1.0/04.7	28617	1994 WC ₄	97 05 06.0	14 52.75	-31 24.1	15.7	-0.98	+ 6.4	4.8/10.1	24585
1991 TP ₁	97 05 03.7	14 43.98	-17 16.7	16.0	-1.05	+ 7.1	0.6/04.2	29659	1981 EL ₂₈	97 05 06.1	14 52.79	-14 43.3	18.8	-0.81	+ 3.7	0.5/05.7	26418
1996 AF ₁	97 05 03.8	14 43.91	-03 10.8	17.6	-0.88	+ 3.7	3.8/30.6	26761	4197 T-3	97 05 06.1	14 52.79	-13 19.8	17.7	-0.93	+ 2.7	1.1/05.4	29669
1981 EB ₁₇	97 05 03.8	14 44.03	-21 22.7	17.3	-0.98	+ 3.5	2.2/05.2	24759	1991 UE ₃	97 05 06.1	14 53.18	-08 17.7	15.1	-1.08	+ 0.3	4.0/04.5	19514
(6907)	97 05 03.9	14 44.62	-04 56.4	17.0	-0.89	+ 2.2	3.6/01.4	26891	1988 JD	97 05 06.2	14 53.34	-10 54.9	16.7	-0.87	+ 3.4	2.0/04.9	29656
1981 ET ₃₁	97 05 04.0	14 44.87	-06 16.9	18.3	-0.76	+ 5.0	2.7/01.4	27304	1985 UG ₂	97 05 06.2	14 53.35	-13 17.0	16.9	-1.05	+ 4.8	1.3/05.5	29655
6354 P-L	97 05 04.1	14 45.15	-12 56.5	19.6	-0.95	+ 5.0	1.0/03.4	26929	1993 FB ₂₂	97 05 06.3	14 53.76	-17 49.1	18.8	-1.01	+ 4.0	0.4/06.6	29137
1981 RB ₂	97 05 04.1	14 45.18	-27 48.3	16.0	-0.93	+ 8.7	4.7/07.6	24759	1981 EU ₄	97 05 06.5	14 54.34	-24 46.1	16.5	-0.83	+ 5.7	2.7/08.7	27303
1981 EQ ₁₄	97 05 04.2	14 45.59	-27 56.3	19.0	-1.04	+ 3.7	4.1/07.1	29132	1991 UF	97 05 06.6	14 54.93	-19 56.1	17.2	-1.03	+ 4.9	1.2/07.4	26580
1994 UT ₁	97 05 04.2	14 45.79	-15 29.6	17.7	-0.98	+ 0.6	0.2/04.2	29622	1994 RE ₁₁	97 05 06.6	14 55.01	-00 03.2	21.9	-0.86	+ 5.7	4.7/02.1	24914
1989 AS ₆	97 05 04.2	14 45.87	-10 07.0	17.8	-0.97	+ 4.0	2.4/02.9	29656	1993 TX ₁₄	97 05 06.7	14 55.39	-14 39.9	18.9	-0.77	+ 3.4	0.6/06.3	27106
1995 WH ₇	97 05 04.3	14 46.20	-10 54.6	17.5	-0.95	+ 4.5	1.8/03.1	29665	1981 EO ₂	97 05 06.8	14 55.52	-19 14.2	17.8	-0.80	+ 6.1	0.8/07.5	26914
1041 T-2	97 05 04.4	14 46.47	-13 41.7	18.1	-0.81	+ 4.1	0.7/03.9	29668	1981 EX ₄₂	97 05 06.8	14 55.54	-21 05.3	20.4	-1.00	+ 3.4	1.5/07.8	26922
1981 EH ₄₅	97 05 04.5	14 46.93	-25 24.1	20.0	-1.00	+ 4.9	3.4/07.0	26923	1994 PQ ₃₂	97 05 06.8	14 55.59	-11 04.1	18.5	-0.94	+ 6.4	2.2/05.3	25341
1981 EW ₄₆	97 05 04.5	14 46.95	-16 22.0	19.4	-0.82	+ 3.4	0.1/04.6	26923	1992 AR ₁	97 05 06.8	14 55.67	-27 15.5	16.0	-0.94	+ 5.4	4.2/09.6	28886
1989 CB ₄	97 05 04.6	14 47.05	-07 58.9	17.4	-0.94	+ 5.4	3.0/02.6	29657	2085 T-2	97 05 06.9	14 56.18	-23 21.1	17.3	-0.98	+ 3.0	2.5/08.5	24764
1988 AX ₄	97 05 04.6	14 47.21	-08 29.5	17.4	-0.92	+ 6.1	2.8/02.6	29655	1992 DU ₅	97 05 07.2	14 57.01	-01 36.2	18.0	-0.86	+ 4.4	4.7/03.3	27105
1995 VU ₁₈	97 05 04.7	14 47.52	+00 36.1	16.2	-0.79	+ 2.6	5.5/30.5	29139	5191 T-3	97 05 07.2	14 57.24	-00 29.0	17.5	-0.50	+ 2.3	3.0/02.8	25443
1990 VS ₄	97 05 04.7	14 47.66	-10 32.3	18.2	-0.87	+ 8.1	1.9/03.1	29658	1987 SO	97 05 07.2	14 57.32	-25 41.8	15.7	-1.11	+ 5.0	4.0/09.3	28315
1996 AX	97 05 04.8	14 47.77	-08 15.0	18.0	-0.84	+ 3.0	2.5/02.9	26748	(6752)	97 05 07.2	14 57.45	-00 04.5	16.8	-0.89	+ 7.3	6.4/02.6	26164
1981 UD ₂	97 05 04.8	14 47.99	-17 57.5	17.2	-0.85	+ 7.0	0.5/05.4	28314	(6861)	97 05 07.3	14 57.62	-24 32.3	15.8	-0.93	+ 0.2	2.6/08.9	26732
1981 RR ₃	97 05 04.8	14 48.05	-07 51.7	17.1	-1.01	+ 6.4	3.2/02.7	27118	1993 FO ₂₇	97 05 07.3	14 57.81	-18 10.9	17.9	-0.99	+ 5.4	0.5/07.7	26759
1994 WE ₂	97 05 04.9	14 48.37	-04 44.4	17.0	-0.87	+ 2.7	3.5/02.2	28591	1983 RQ ₃	97 05 07.4	14 57.90	-25 03.8	17.0	-1.12	+ 3.5	3.3/09.2	26923
(7601)	97 05 05.0	14 48.54	-17 49.2	15.8	-1.12	- 1.5	0.6/05.3	29601	1991 GM ₉	97 05 07.4	14 57.93	-13 34.8	16.9	-0.78	+ 3.3	1.1/06.6	29135
(6707)	97 05 05.0	14 48.60	-23 47.7	17.5	-1.05	+ 5.8	2.7/07.0	26154	1995 WO ₇	97 05 07.4	14 57.99	-20 11.4	17.9	-1.05	+ 5.8	1.3/08.2	26411
6547 P-L	97 05 05.0	14 48.80	-16 45.7	17.9	-1.02	+ 3.4	0.2/05.2	29668	2785 P-L	97 05 07.4	14 58.16	-14 18.0	18.9	-0.92	+ 3.4	0.9/06.9	16034
1993 FZ ₃₆	97 05 05.1	14 48.96	-16 42.0	16.8	-1.02	+ 3.5	0.2/05.2	29662	1991 RU ₇	97 05 07.4	14 58.17	-08 51.8	19.5	-0.96	+ 5.7	2.8/05.5	24105
1990 SR ₆	97 05 05.2	14 49.38	-14 49.9	17.9	-0.93	+ 3.6	0.5/04.9	29658	1995 WZ ₄	97 05 07.6	14 58.56	-11 31.9	17.2	-0.98	+ 3.3	2.1/06.4	26760

1991 FH	97 05 07.6	14 58.90	-06 54.4	16.9	-0.71	+ 9.6	3.3/04.5	27934	1990 YA	97 05 11.1	15 12.41	-21 22.6	17.9	-0.94	+ 4.4	1.1/11.9	27728
1982 WE	97 05 07.7	14 59.09	-13 26.2	16.9	-1.01	+ 0.1	1.2/07.1	28314	1990 QJ ₄	97 05 11.1	15 12.66	-13 08.5	16.0	-0.92	+ 4.5	2.2/10.1	24240
1981 UU ₂₆	97 05 07.9	14 59.90	-10 08.1	17.0	-0.94	+ 7.0	2.9/06.1	20630	1990 HG	97 05 11.3	15 12.99	-19 21.6	15.5	-1.52	-10.0	0.7/11.4	26189
1993 FM ₁₀	97 05 08.0	15 00.48	-14 43.1	16.5	-0.95	+ 2.5	1.1/07.6	23522	1992 BW ₃	97 05 11.3	15 13.14	-17 20.1	18.2	-1.13	+ 1.5	0.2/11.2	21580
1994 PU ₂₉	97 05 08.1	15 00.54	-02 13.1	18.9	-0.85	+ 5.2	4.7/04.2	27937	1157 T-2	97 05 11.5	15 14.24	-15 37.4	17.4	-0.93	+ 5.4	1.1/11.0	22087
1981 EN ₅	97 05 08.1	15 00.95	-19 43.6	18.1	-0.95	+ 6.0	1.0/08.9	26558	3123 T-3	97 05 11.6	15 14.22	-09 59.4	17.9	-0.76	+ 5.0	2.6/09.6	24238
(6768)	97 05 08.2	15 01.08	-20 26.4	17.1	-1.03	+ 4.5	1.2/09.0	26384	(6703)	97 05 11.6	15 14.41	-11 07.0	17.4	-0.90	+ 4.1	2.2/10.1	26153
1993 FR ₃	97 05 08.2	15 01.15	-13 43.3	15.9	-0.90	+ 7.2	1.5/07.3	26580	(7611)	97 05 11.7	15 14.82	-05 44.9	15.5	-0.83	+ 1.8	4.5/09.1	29603
1993 DW	97 05 08.4	15 01.68	-17 05.2	16.6	-1.00	+ 5.8	0.0/08.4	24108	1986 GZ	97 05 11.8	15 15.37	+02 42.1	18.4	-0.92	+14.8	8.3/04.7	22271
(6958)	97 05 08.4	15 01.70	-11 59.4	15.8	-0.77	+ 6.1	1.7/07.0	27092	1991 EN ₂	97 05 11.9	15 15.38	-17 12.3	16.3	-0.83	+ 3.6	0.3/11.7	26925
1981 EP ₃₆	97 05 08.4	15 01.73	-21 47.4	19.3	-0.82	+ 5.5	1.4/09.6	26921	1992 AN	97 05 11.9	15 15.42	+18 04.2	16.7	-1.04	+ 1.1	12.3/02.4	27712
1993 BS ₃	97 05 08.5	15 02.05	-29 00.1	15.7	-1.08	+ 5.6	5.0/11.5	26421	1981 DX ₂	97 05 11.9	15 15.51	-25 22.5	18.4	-0.84	+ 5.2	2.4/13.7	26755
1978 OQ	97 05 08.5	15 02.12	-25 34.2	16.7	-0.93	+ 2.5	2.7/10.4	28610	1981 EF ₆	97 05 11.9	15 15.53	-31 00.8	19.6	-0.90	+ 3.8	3.9/15.0	26915
1994 UK ₅	97 05 08.5	15 02.22	-16 43.4	18.4	-0.86	+ 2.8	0.1/08.4	28888	1994 PO ₃₇	97 05 12.0	15 15.90	-16 27.4	19.6	-1.04	+ 4.7	0.6/11.7	29138
6612 P-L	97 05 08.5	15 02.43	-11 36.6	17.8	-0.90	+ 4.9	2.1/07.2	27938	(6759)	97 05 12.1	15 16.25	-03 22.4	15.7	-0.75	+ 2.4	5.5/08.8	26382
1994 PB ₃₆	97 05 08.6	15 02.46	-17 37.5	18.4	-0.95	+ 4.3	0.1/08.7	24570	1988 RN ₁₁	97 05 12.1	15 16.30	-16 32.0	17.8	-0.54	+ 2.2	0.3/11.8	26924
1993 BO ₃	97 05 08.6	15 02.50	-12 22.4	17.2	-1.05	+ 2.9	1.9/07.6	28887	1993 CO ₁	97 05 12.2	15 16.59	-16 15.5	16.7	-0.99	+ 5.8	0.8/11.8	28616
1990 TS ₄	97 05 08.7	15 03.26	-03 50.5	16.4	-0.91	+ 1.8	4.6/05.9	28885	1996 AG ₅	97 05 12.2	15 16.63	-19 18.9	19.8	-0.96	+ 2.6	0.4/12.5	26750
1991 UU ₃	97 05 08.8	15 03.52	-20 31.3	16.1	-1.09	+ 3.5	1.4/09.6	27729	1996 AL ₂	97 05 12.2	15 16.67	+03 46.4	15.6	-0.92	- 0.9	9.2/08.1	29629
1971 UN ₁	97 05 08.8	15 03.55	-16 01.9	18.2	-0.75	+ 3.3	0.3/08.6	27453	4118 T-3	97 05 12.3	15 17.11	-04 27.2	18.2	-0.74	+ 4.9	4.1/08.8	28620
(6858)	97 05 09.0	15 04.23	-36 53.5	17.1	-1.11	+ 1.9	6.1/13.4	26731	1977 TD ₁	97 05 12.3	15 17.19	-10 53.0	17.3	-0.85	+ 6.5	2.3/10.5	24910
(6880)	97 05 09.1	15 04.73	-24 38.2	16.1	-0.93	+ 2.7	2.4/10.8	26736	1994 XM	97 05 12.3	15 17.26	-18 30.5	19.0	-0.78	+ 2.8	0.1/12.4	27108
1988 TS ₁	97 05 09.2	15 04.91	-15 34.4	18.7	-0.75	+ 3.3	0.5/08.8	25212	1994 PY ₁₉	97 05 12.4	15 17.44	-22 12.9	15.7	-0.97	+ 3.9	1.8/13.3	24749
1984 WA ₁	97 05 09.5	15 06.44	-12 10.3	17.7	-1.28	- 2.6	1.9/08.8	27119	1994 TT ₃	97 05 12.4	15 17.66	-02 59.5	17.1	-0.93	+13.7	5.8/07.6	24398
6625 P-L	97 05 09.6	15 06.44	-12 31.0	16.5	-0.95	+ 4.0	2.1/08.5	23532	1992 EW ₉	97 05 12.5	15 17.86	+05 02.6	16.1	-0.85	+ 4.5	7.9/06.5	27729
1986 SC ₂	97 05 09.7	15 07.02	-18 13.8	15.1	-0.88	+10.8	0.3/10.0	29655	1995 YY ₁₀	97 05 12.5	15 18.05	+05 32.4	18.6	-0.91	+ 1.3	8.2/07.5	27719
1989 BV ₁	97 05 09.7	15 07.04	-20 57.5	16.0	-1.01	+ 3.7	1.5/10.5	23537	1994 RV	97 05 12.6	15 18.12	-27 52.7	16.3	-1.09	+ 2.9	4.0/14.5	26759
1993 UE ₁	97 05 09.8	15 07.40	-18 11.3	18.2	-0.88	+ 0.3	0.2/10.0	25083	1986 QH ₃	97 05 12.6	15 18.14	-08 40.7	17.8	-0.93	+ 3.1	3.4/10.6	26924
1990 TW ₁₂	97 05 09.9	15 07.70	-21 39.2	17.8	-1.00	+ 0.5	1.3/10.7	17965	1982 VN ₃	97 05 12.6	15 18.23	-14 52.2	20.1	-0.92	+ 2.8	1.0/11.9	24227
1996 BQ ₃	97 05 10.2	15 08.78	-18 03.5	17.4	-0.85	+ 2.6	0.1/10.3	26928	5027 T-3	97 05 12.6	15 18.44	-07 04.4	18.2	-0.99	+ 3.3	5.2/10.2	24579
(7312)	97 05 10.2	15 08.94	-12 46.8	17.2	-0.86	+ 3.6	1.5/09.1	28292	1982 UR ₁₀	97 05 12.7	15 18.49	-19 39.5	18.7	-0.78	+ 2.7	0.4/13.0	27931
1991 VQ ₁	97 05 10.2	15 08.95	-12 45.3	16.8	-1.09	+ 2.0	1.8/09.3	29615	1981 EJ ₁₄	97 05 12.7	15 18.87	-29 51.2	19.4	-1.04	+ 3.6	4.8/15.3	26917
2035 T-3	97 05 10.2	15 09.07	-25 52.1	18.7	-0.58	+ 1.8	1.6/12.3	22432	1975 EA ₃	97 05 12.7	15 18.88	-21 10.2	15.3	-1.02	+ 1.3	1.4/13.3	29131
1990 TW ₁₁	97 05 10.3	15 09.09	-20 59.5	19.5	-0.93	+ 3.4	1.0/11.0	24912	2151 T-1	97 05 12.8	15 18.89	-08 50.7	18.3	-0.96	+ 4.4	3.3/10.7	28620
6594 P-L	97 05 10.3	15 09.19	-09 17.2	18.4	-0.92	+ 5.5	3.1/08.3	29141	1994 UF	97 05 12.8	15 19.06	-05 04.3	19.0	-0.93	+ 7.0	4.5/09.4	28617
1989 SL ₁₂	97 05 10.3	15 09.31	-18 55.0	18.4	-0.85	+ 3.4	0.4/10.6	28884	1991 PK	97 05 12.8	15 19.19	-13 41.9	18.5	-1.07	+ 4.5	1.8/11.9	26561
1981 EB ₈	97 05 10.3	15 09.46	-30 00.6	19.4	-1.06	+ 3.7	4.2/13.2	26916	1991 PZ ₁₇	97 05 12.8	15 19.32	-09 43.0	17.5	-1.02	+ 2.8	3.2/11.2	29659
1980 FR ₂	97 05 10.5	15 09.91	-11 37.9	18.2	-0.89	+ 4.6	1.9/09.1	28610	1981 EY ₁₇	97 05 12.9	15 19.33	-15 09.8	18.2	-0.95	+ 4.0	1.1/12.2	26755
4665 P-L	97 05 10.5	15 10.16	-18 56.8	17.3	-1.03	+ 2.4	0.4/10.8	26423	1992 EZ ₇	97 05 12.9	15 19.44	-00 57.0	18.5	-0.85	+ 4.2	5.5/08.9	25650
1992 EM ₁₈	97 05 10.5	15 10.20	-13 51.5	17.9	-0.87	+ 5.9	1.4/09.6	28086	(7352)	97 05 13.0	15 19.93	-07 57.5	15.8	-0.52	+ 1.8	2.0/10.6	28818
1981 QV ₂	97 05 10.5	15 10.30	-03 04.3	17.5	-0.87	+ 3.5	5.0/07.1	27931	1992 EX ₉	97 05 13.1	15 20.29	-14 00.1	18.7	-0.90	+ 4.1	1.4/12.2	25650
1990 OK ₃	97 05 10.5	15 10.32	-12 21.0	17.4	-1.01	+ 4.1	2.2/09.4	24102	1988 TT	97 05 13.2	15 20.65	-31 19.1	16.9	-0.97	+ 0.9	4.1/15.7	29656
7633 P-L	97 05 10.6	15 10.24	-13 07.3	17.3	-0.86	+ 2.9	1.6/09.6	29668	1989 UC ₅	97 05 13.3	15 20.85	-14 25.4	20.7	-0.48	+ 2.6	0.7/12.3	18118
1987 SV ₃	97 05 10.6	15 10.72	-30 15.6	17.2	-1.21	+ 0.4	5.2/12.9	24239	1994 XF	97 05 13.3	15 21.28	-15 39.4	18.4	-0.81	+ 1.2	0.7/12.8	29663
1988 VN ₃	97 05 10.7	15 10.63	-17 22.3	17.5	-1.01	+ 6.1	0.2/10.6	26419	1994 PK ₇	97 05 13.4	15 21.29	-07 54.4	18.2	-0.94	+ 4.0	3.8/11.1	29138
1992 ED ₁₁	97 05 10.7	15 11.01	-29 56.3	17.5	-1.04	+ 2.1	4.2/13.3	25650	2530 P-L	97 05 13.4	15 21.32	-22 28.9	17.8	-1.10	+ 2.4	1.5/14.2	22086
1994 RQ	97 05 10.8	15 11.27	-18 27.0	17.8	-0.98	+ 3.3	7.9/21.0	29663	1992 EZ ₉	97 05 13.4	15 21.63	-12 39.0	16.4	-0.87	+ 4.4	2.2/12.2	27729
1992 DN ₇	97 05 10.9	15 11.54	-12 30.9	16.6	-0.90	+ 3.5	1.9/09.7	27935	4593 P-L	97 05 13.5	15 21.88	-15 19.9	17.1	-0.85	+ 3.5	1.0/12.9	29648
1990 EZ ₂	97 05 10.9	15 11.55	-11 22.3	17.4	-0.71	+ 4.0	1.8/09.3	27933	3036 T-1	97 05 13.6	15 22.04	-06 19.8	15.9	-0.84	+ 8.8	4.9/10.2	24409
1991 RX ₁	97 05 11.0	15 11.95	-27 21.0	18.0	-1.11	+ 2.7	3.2/13.0	26925	1981 WS ₁	97 05 13.6	15 22.12	-15 26.1	15.6	-1.09	- 0.5	1.5/13.1	29132
1953 TD ₁	97 05 11.1	15 12.37	-13 40.1	17.6	-1.00	+ 5.5	1.5/10.1	26556	6012 P-L	97 05 13.6	15 22.22	-19 33.6	19.1	-0.79	+ 3.7	0.3/13.9	24585

1993 OQ ₅	97 05 13.6	15 22.34	-26 07.9	18.4	-0.92	+ 3.7	2.3/15.3	25216	3517 T-3	97 05 16.7	15 34.51	-20 27.2	17.7	-0.95	+ 2.6	0.4/17.0	24410
4319 P-L	97 05 13.8	15 23.24	-20 56.0	17.1	-1.05	+ 6.0	1.1/14.4	19875	1994 TX ₂	97 05 16.7	15 34.56	-12 05.9	16.7	-0.83	+ 5.6	2.3/15.1	29621
1996 AF ₄	97 05 13.9	15 23.28	-15 51.0	19.3	-0.89	+ 4.7	0.8/13.3	27457	1981 EJ ₁₃	97 05 16.7	15 34.76	-32 25.1	18.6	-1.09	+ 3.5	4.9/19.5	26917
2095 P-L	97 05 13.9	15 23.47	-22 35.1	19.4	-0.95	+ 3.3	1.3/14.8	24764	1987 WF ₁	97 05 16.8	15 34.77	-17 42.9	15.8	-1.04	+11.7	0.6/16.4	27324
1992 FA ₂	97 05 14.0	15 23.59	-14 53.6	15.9	-0.92	+ 1.5	1.3/13.3	24583	1990 UU ₁	97 05 16.9	15 35.35	-04 44.0	18.0	-0.87	+ 6.5	5.0/13.4	29612
1990 VL ₆	97 05 14.1	15 24.03	-11 26.6	16.8	-0.50	+ 3.7	1.3/12.3	25080	2666 P-L	97 05 17.0	15 35.66	-12 33.4	21.3	-0.88	+ 3.6	2.0/15.6	24241
1990 TE ₈	97 05 14.1	15 24.04	-18 07.4	16.2	-0.94	+ 2.2	0.2/14.0	27567	1996 DQ ₁	97 05 17.0	15 35.75	-27 13.5	18.1	-0.89	+ 2.0	2.4/18.6	27113
1981 EZ ₃₂	97 05 14.2	15 24.72	-08 44.6	18.9	-0.77	+ 5.0	3.1/11.9	22271	1981 EW ₂₅	97 05 17.0	15 35.92	-37 14.7	20.9	-1.22	+ 1.3	6.4/20.4	26919
1991 UP ₃	97 05 14.3	15 25.04	-15 47.9	18.7	-1.02	+ 3.0	1.0/13.8	26926	1994 TN ₁₅	97 05 17.1	15 36.06	-17 54.3	18.9	-0.95	+ 3.6	0.5/16.9	25220
5143 T-2	97 05 14.4	15 25.23	-31 17.2	20.5	-1.16	+ 4.0	5.2/17.0	26912	1988 RO ₄	97 05 17.1	15 36.07	-03 54.7	18.4	-0.76	+ 3.4	4.4/13.8	29656
1996 CQ ₁	97 05 14.4	15 25.59	-29 21.4	17.8	-1.10	+ 3.5	4.1/16.6	29139	1994 RX	97 05 17.1	15 36.16	-07 06.8	17.6	-0.96	+ 2.8	4.1/14.8	29138
1995 WF ₃	97 05 14.5	15 25.73	-17 21.8	16.7	-1.05	- 0.4	0.5/14.3	26409	2559 P-L	97 05 17.1	15 36.24	-17 40.6	16.2	-1.06	+ 2.0	0.8/16.9	26423
1989 RD ₁	97 05 14.5	15 25.74	-06 18.3	17.5	-0.97	+ 0.3	4.3/12.3	16030	1986 EK ₁	97 05 17.2	15 36.78	-51 21.5	16.9	-1.71	- 1.7	11.8/22.9	26578
1994 UJ ₁	97 05 14.6	15 25.98	-23 18.8	17.3	-0.99	+ 3.0	1.6/15.5	27456	(7485)	97 05 17.4	15 37.13	-08 10.0	16.6	-0.86	+ 0.7	3.3/15.4	29086
1981 EC ₄₇	97 05 14.6	15 26.18	-08 06.3	18.2	-0.90	+ 4.1	4.6/12.3	26923	1994 GX	97 05 17.4	15 37.17	+20 38.2	17.7	-0.91	+10.7	19.2/01.8	23785
1984 SO ₄	97 05 14.6	15 26.28	-25 53.6	16.1	-1.08	+ 5.0	3.0/16.0	26558	6106 P-L	97 05 17.5	15 37.66	-23 29.3	18.7	-0.96	+ 3.1	1.4/18.3	27123
9058 P-L	97 05 14.6	15 26.33	-21 17.6	17.0	-0.82	+ 3.6	0.8/15.2	22972	(6903)	97 05 17.5	15 37.82	-19 16.6	16.5	-0.87	+ 2.0	0.1/17.5	26890
3083 P-L	97 05 14.7	15 26.49	-26 57.6	15.7	-0.95	+ 6.6	3.8/16.7	26582	1995 SS	97 05 17.6	15 37.94	-07 59.8	17.0	-1.07	+30.4	5.7/13.3	26404
1992 SU ₂₁	97 05 14.7	15 26.78	-24 17.4	18.5	-0.66	+ 1.6	1.1/16.0	27455	1988 RL ₁₃	97 05 17.6	15 38.03	-18 26.9	19.2	-0.58	+ 0.2	0.2/17.5	21972
1994 VN	97 05 14.8	15 27.01	-22 01.2	18.4	-0.82	+ 2.1	0.9/15.5	28617	1978 YM	97 05 17.7	15 38.29	-30 58.4	17.3	-1.22	+ 1.4	4.6/19.6	20010
1978 VY ₃	97 05 14.8	15 27.20	-21 48.9	18.2	-0.96	+ 4.2	1.0/15.5	26913	1987 US ₄	97 05 17.7	15 38.49	-23 32.5	17.6	-1.07	+ 3.0	1.5/18.5	28883
1981 EN ₃	97 05 14.9	15 27.53	-09 18.6	18.7	-0.88	+ 9.0	4.0/12.5	26165	(6800)	97 05 17.7	15 38.62	-32 16.3	17.4	-1.02	+ 2.3	4.1/20.2	26391
1991 RG	97 05 14.9	15 27.53	-18 02.4	16.2	-0.97	+ 6.4	0.4/14.8	27729	1984 MP	97 05 17.8	15 38.97	-15 07.3	14.6	-0.82	+ 9.9	1.8/16.7	28315
1996 BO ₂	97 05 15.0	15 27.57	-24 22.1	16.7	-0.86	+ 2.7	1.8/16.2	29139	5332 T-2	97 05 17.9	15 39.09	-20 02.4	18.6	-0.82	+ 5.5	0.2/18.0	20517
1988 QY	97 05 15.0	15 27.69	-11 24.5	17.2	-0.52	+ 5.3	1.4/13.1	27933	1990 SV ₅	97 05 17.9	15 39.15	-10 07.9	17.4	-0.91	+ 2.9	3.3/16.1	26757
1977 VL ₁	97 05 15.0	15 27.75	-19 30.1	17.5	-0.98	+ 1.9	0.2/15.2	24116	1973 RF	97 05 17.9	15 39.51	-40 17.9	16.5	-1.24	- 0.8	7.4/21.0	28881
(6930)	97 05 15.1	15 28.39	-18 02.8	16.9	-0.79	+ 2.9	0.2/15.0	26897	1990 UA ₂	97 05 18.0	15 39.43	-13 58.8	18.9	-0.93	+ 2.7	1.7/17.0	28844
1990 VN ₁	97 05 15.2	15 28.33	-20 59.4	16.8	-1.00	+ 0.8	0.7/15.6	27728	4161 P-L	97 05 18.0	15 39.58	-31 18.5	17.6	-1.05	+ 2.7	4.3/20.3	25336
1993 FJ ₄₆	97 05 15.2	15 28.39	-20 28.8	17.5	-1.05	+ 3.6	0.6/15.5	26927	1988 RY ₁₀	97 05 18.0	15 39.70	-17 13.2	18.4	-0.53	+ 1.6	0.4/17.6	28884
(7056)	97 05 15.3	15 29.00	-15 38.6	16.2	-0.90	+ 1.4	1.2/14.8	29076	1991 GQ	97 05 18.1	15 39.83	-12 36.0	16.9	-0.75	+ 6.7	2.1/16.4	28886
1983 RR ₄	97 05 15.3	15 29.01	+01 32.4	17.2	-0.93	+ 5.8	7.4/10.2	29132	1981 ED ₃₄	97 05 18.1	15 40.06	-22 44.1	19.8	-1.01	+ 3.5	1.1/18.8	22271
1990 SK ₂₈	97 05 15.3	15 29.21	-22 44.6	16.6	-1.00	+ 3.0	1.4/16.0	24240	1983 EV	97 05 18.1	15 40.26	-23 55.1	16.4	-0.96	+ 2.1	1.6/19.0	27931
1992 AT ₂	97 05 15.4	15 29.34	-25 09.9	16.7	-0.92	+ 4.2	2.9/16.8	25065	1982 US ₆	97 05 18.2	15 40.49	-22 04.9	17.1	-1.05	+ 0.6	0.9/18.6	24239
1994 UZ ₁	97 05 15.4	15 29.59	-20 13.2	16.6	-0.95	- 0.3	0.4/15.7	24750	1981 QW ₂	97 05 18.3	15 40.62	-21 47.5	16.8	-1.14	+ 0.9	1.1/18.6	29132
1990 TK ₃	97 05 15.5	15 29.58	-30 02.0	16.7	-1.15	- 1.0	3.7/17.2	27728	1981 EL ₇	97 05 18.4	15 41.07	-08 19.7	19.6	-0.91	+ 5.9	3.8/15.9	26916
1981 EA ₁₄	97 05 15.5	15 29.62	-13 21.7	18.1	-0.88	+ 6.6	2.4/14.2	26917	1991 FL ₄	97 05 18.4	15 41.38	-01 42.4	15.8	-0.74	+ 5.9	6.4/13.9	29658
1990 QO ₈	97 05 15.5	15 29.73	-37 38.0	18.7	-1.14	+ 2.0	6.3/19.3	24912	1989 NE ₁	97 05 18.5	15 41.73	-28 28.4	15.7	-1.21	- 5.3	4.2/19.3	22699
1994 CS ₈	97 05 15.9	15 31.25	-10 58.0	16.5	-0.51	+ 1.5	1.5/14.2	29318	2228 P-L	97 05 18.5	15 41.86	-20 50.4	17.0	-0.85	+ 6.8	0.6/18.9	25336
(6848)	97 05 15.9	15 31.39	-19 53.5	17.1	-0.83	+ 2.9	0.3/16.1	26728	1981 EG ₂₇	97 05 18.7	15 42.66	-23 15.0	18.2	-0.87	+ 2.9	1.2/19.5	26899
1981 EF ₁₁	97 05 15.9	15 31.42	-31 22.7	18.2	-1.09	+ 2.9	4.5/18.4	26917	1994 XS	97 05 18.8	15 42.85	-08 12.9	18.3	-0.82	+ 2.0	3.7/16.6	27122
1996 CG ₁	97 05 15.9	15 31.44	-22 40.8	16.1	-0.87	+ 1.4	1.2/16.6	29666	1993 FL ₈	97 05 18.9	15 43.35	-25 08.2	16.2	-1.12	- 1.1	2.5/19.7	23522
1987 SV ₁₂	97 05 16.0	15 31.61	-17 48.3	17.5	-0.83	+ 2.4	0.4/15.8	27932	(7107)	97 05 19.0	15 43.49	-04 29.2	16.6	-0.97	+ 5.4	6.4/15.6	27698
3063 T-2	97 05 16.0	15 31.69	-37 00.8	18.5	-1.18	- 0.3	6.3/19.0	26416	1993 FS ₆	97 05 19.0	15 43.90	-19 24.8	15.9	-1.07	+ 1.9	0.1/19.0	26564
1983 TX	97 05 16.2	15 32.46	-09 05.2	17.3	-0.76	+ 4.4	2.9/13.9	27931	1989 CH ₄	97 05 19.1	15 44.27	-23 49.6	15.6	-0.99	+ 3.1	1.9/20.0	24912
4136 T-2	97 05 16.4	15 33.13	-23 59.8	17.9	-0.96	+ 0.9	1.6/17.2	22701	1995 WU ₆	97 05 19.2	15 44.69	-21 15.2	15.9	-1.73	-12.3	0.8/19.3	26747
4652 P-L	97 05 16.4	15 33.18	-27 30.4	18.4	-0.70	+ 1.8	1.9/18.2	29649	1993 TM ₁₆	97 05 19.3	15 44.64	-17 56.2	16.3	-0.82	+ 1.9	0.6/19.0	27936
1988 SW ₁	97 05 16.4	15 33.21	-28 52.1	18.4	-0.66	- 0.1	2.1/18.2	21972	1996 CM ₇	97 05 19.3	15 45.01	-34 28.0	17.9	-1.20	+ 2.3	5.2/21.9	28861
1996 DD ₁	97 05 16.4	15 33.34	+13 48.9	18.8	-0.92	- 1.2	11.2/10.5	29630	1986 JA	97 05 19.4	15 45.26	+03 54.0	15.8	-0.82	+ 4.8	11.4/13.5	27726
2796 P-L	97 05 16.5	15 33.78	-14 12.4	20.1	-0.91	+ 3.2	1.6/15.6	15902	4624 P-L	97 05 19.5	15 45.46	-14 03.4	19.1	-0.76	+ 2.5	1.6/18.4	24915
2078 T-2	97 05 16.5	15 33.80	-13 22.4	18.2	-1.00	+ 5.0	2.3/15.3	23681	(6771)	97 05 19.5	15 45.52	-21 05.4	16.2	-1.08	+ 3.2	0.5/19.7	26385
1989 CB ₆	97 05 16.6	15 33.88	-15 53.0	18.0	-1.01	+ 3.0	1.3/16.0	23514	1988 SP ₂	97 05 19.5	15 45.71	-05 04.5	20.0	-0.51	+ 2.3	2.8/16.3	15560

1105 T-2	97 05 19.6	15 46.16	-16 19.4	17.5	-0.93	+ 3.5	1.3/19.0	24764	1987 EQ	97 05 22.1	15 56.06	-25 06.0	17.0	-1.11	+ 3.2	2.3/22.9	26188
1996 CK ₂	97 05 19.6	15 46.28	-33 32.7	16.7	-1.00	+ 0.0	4.6/21.9	29629	(6928)	97 05 22.2	15 56.23	-15 42.7	18.4	-0.87	+ 3.9	1.4/21.3	26896
1994 TU ₃	97 05 19.6	15 46.30	-02 41.4	17.0	-0.99	+12.7	6.6/14.7	28301	1991 AA ₁	97 05 22.4	15 57.11	-17 19.2	17.0	-0.91	+ 1.4	1.0/21.9	28885
4101 T-3	97 05 19.7	15 46.41	-36 55.3	18.6	-0.69	- 0.4	3.1/22.7	24764	2224 T-2	97 05 22.4	15 57.23	-21 40.8	17.6	-0.88	+ 1.9	0.4/22.6	28892
(6738)	97 05 19.7	15 46.46	-19 22.4	17.3	-1.05	+ 3.2	0.2/19.7	26161	(6847)	97 05 22.5	15 57.80	-30 41.0	17.5	-1.40	- 3.5	3.7/23.5	26728
1979 OG ₈	97 05 19.7	15 46.48	+12 34.4	20.4	-1.00	+ 1.3	10.6/12.7	23856	6583 P-L	97 05 22.5	15 57.83	-13 52.8	17.8	-1.02	+ 3.7	2.6/21.4	22827
1991 RT ₃	97 05 19.7	15 46.51	-17 50.3	17.2	-1.03	+ 5.2	0.8/19.3	26757	(6935)	97 05 22.7	15 58.23	-20 16.0	16.9	-1.07	+ 3.3	0.1/22.7	29076
1987 SU ₁₇	97 05 19.8	15 46.60	-15 19.0	16.2	-0.98	+ 6.3	1.9/18.8	24239	1989 UO ₅	97 05 22.7	15 58.56	-31 12.4	18.6	-0.61	+ 0.1	2.0/24.5	28316
1993 GA ₁	97 05 19.8	15 46.70	-29 36.1	17.8	-1.17	+ 1.3	3.8/21.3	27446	1989 BA	97 05 22.7	15 58.71	-58 44.3	17.1	-1.83	+ 1.4	13.6/31.4	29656
(6998)	97 05 19.9	15 47.04	-20 49.6	17.8	-0.55	+ 1.5	0.2/20.1	27101	1991 UB ₃	97 05 22.9	15 59.05	-20 46.1	17.8	-1.10	+ 1.4	0.1/22.9	28615
1991 TL ₁	97 05 19.9	15 47.23	-00 05.3	18.0	-0.90	+ 6.3	6.3/15.5	27935	1981 TW ₁	97 05 22.9	15 59.09	-19 47.2	15.7	-1.07	+ 7.5	0.4/22.8	26756
1994 PD ₁	97 05 19.9	15 47.44	-23 55.7	16.4	-1.04	+ 5.9	1.6/20.8	27122	2558 P-L	97 05 22.9	15 59.25	-25 33.3	18.1	-0.84	+ 1.6	1.4/23.8	27732
1995 XD ₁	97 05 20.0	15 47.52	-19 19.7	17.7	-1.04	+ 1.9	0.2/19.9	26572	1988 RR ₁₀	97 05 23.1	16 00.17	+00 43.3	19.3	-0.51	+ 1.9	4.2/18.8	25226
1992 EB ₇	97 05 20.0	15 47.52	-13 43.4	17.2	-0.94	+ 0.6	2.4/19.0	27935	(6898)	97 05 23.1	16 00.21	-05 08.9	15.6	-0.97	- 3.3	6.6/21.6	26889
(7396)	97 05 20.1	15 47.83	-17 55.1	17.1	-0.84	+ 2.9	0.6/19.7	28825	1989 CV ₁	97 05 23.1	16 00.26	-14 58.4	18.0	-1.03	+ 1.4	2.1/22.4	28315
1993 FS ₂₆	97 05 20.1	15 48.06	-23 32.5	16.3	-1.00	+ 4.1	1.6/20.8	26759	1981 EJ ₂₆	97 05 23.1	16 00.30	-21 59.4	16.4	-1.15	+ 2.2	0.7/23.4	26919
1994 UY	97 05 20.2	15 48.47	-24 36.4	17.6	-1.02	+ 3.1	1.7/21.0	29138	1996 AO ₂	97 05 23.2	16 00.29	-21 54.4	17.2	-1.01	+ 2.5	0.5/23.4	26761
3146 T-2	97 05 20.3	15 48.95	-15 17.4	17.6	-1.03	+ 2.2	1.9/19.6	26583	(6823)	97 05 23.2	16 00.37	-08 48.6	15.1	-1.00	- 1.5	4.0/21.8	26552
1992 FE ₁	97 05 20.4	15 49.07	-21 14.0	16.3	-0.96	+ 1.4	0.4/20.6	27455	1994 PL ₃₂	97 05 23.3	16 00.76	-18 31.8	19.1	-0.93	+ 3.5	0.7/23.0	26759
1044 T-2	97 05 20.4	15 49.36	-28 27.0	16.9	-1.06	+ 2.6	4.1/21.9	24578	1994 UE ₁	97 05 23.3	16 00.90	-20 39.4	17.3	-0.90	+ 4.5	0.0/23.4	28617
1988 RG ₁₀	97 05 20.6	15 49.84	-24 27.0	18.3	-0.56	+ 1.6	0.8/21.5	25079	1993 FR ₂₃	97 05 23.4	16 01.20	-30 09.4	16.9	-1.19	+ 1.6	3.6/24.8	27121
1988 RO ₁₀	97 05 20.7	15 50.37	+08 59.4	20.0	-0.50	+ 2.0	5.5/14.1	25226	1991 RD ₁₆	97 05 23.7	16 02.57	-12 28.1	19.1	-1.07	+ 3.5	3.3/22.4	26902
1979 EL	97 05 20.7	15 50.40	-07 32.6	16.4	-0.94	- 0.3	4.1/18.9	22073	1984 YE ₄	97 05 23.8	16 02.68	-18 27.8	16.9	-1.06	+ 0.8	0.8/23.5	27119
(6709)	97 05 20.8	15 50.78	-18 13.2	17.1	-1.04	+ 2.7	0.7/20.5	26155	1978 RB ₁₀	97 05 23.8	16 03.03	-29 36.6	18.4	-1.21	+ 2.0	4.1/25.1	21099
1996 BN	97 05 20.8	15 50.86	-18 15.8	18.1	-1.02	+ 2.5	0.7/20.5	26928	2768 P-L	97 05 23.9	16 03.14	-16 09.2	17.3	-0.91	+ 1.9	2.0/23.2	15902
1991 UP ₂	97 05 20.9	15 51.13	-17 21.7	16.2	-1.10	+ 1.4	1.2/20.5	29659	(6865)	97 05 23.9	16 03.19	-17 29.5	16.7	-1.06	+ 2.1	1.2/23.4	26732
1988 RD ₁₂	97 05 20.9	15 51.15	-25 06.9	18.8	-0.56	+ 1.5	0.9/21.9	23246	1988 RE ₁₂	97 05 23.9	16 03.32	-03 01.3	21.2	-0.51	+ 2.1	3.4/20.4	15560
1994 QJ	97 05 20.9	15 51.45	+18 10.9	18.6	-1.02	+ 0.2	13.5/12.6	25084	(6891)	97 05 24.0	16 03.62	-11 18.3	17.1	-0.88	+ 2.9	3.4/22.4	26888
1991 GT ₅	97 05 21.0	15 51.50	-18 51.2	17.1	-0.81	+ 2.6	0.5/20.8	27934	1994 PW ₂₇	97 05 24.0	16 03.67	-26 30.1	17.0	-1.11	+ 1.9	2.6/24.9	26581
4035 T-3	97 05 21.0	15 51.66	-32 11.5	18.6	-0.66	- 0.2	2.4/23.1	27124	1978 RD ₁₀	97 05 24.1	16 03.88	-17 47.0	17.9	-0.84	+ 2.5	0.9/23.6	29652
6054 P-L	97 05 21.1	15 51.88	-17 04.2	19.0	-0.78	+ 3.1	0.9/20.5	24915	1992 ED ₁	97 05 24.1	16 04.13	-20 12.7	16.4	-0.92	+ 6.4	0.2/24.0	24408
1991 AD	97 05 21.1	15 52.18	-24 27.3	16.7	-0.93	+ 4.6	1.4/22.0	29658	1988 RG ₁	97 05 24.1	16 04.14	+08 37.1	17.2	-0.49	+ 1.6	5.4/18.0	27119
1988 SG ₃	97 05 21.2	15 52.45	-10 16.3	19.2	-0.57	- 0.3	1.9/19.6	15892	1994 PS ₁₁	97 05 24.1	16 04.32	-20 07.6	16.9	-1.01	+ 3.8	0.3/24.1	26744
1978 VD ₅	97 05 21.3	15 52.78	-18 42.6	18.5	-0.81	+ 2.6	0.5/21.1	27118	1993 TA ₂₄	97 05 24.2	16 04.59	-18 15.6	16.2	-0.82	+ 1.5	0.9/23.9	23125
1995 XP ₄	97 05 21.3	15 52.83	-14 08.6	16.8	-0.99	+ 5.2	2.7/20.2	28618	1978 NN ₁	97 05 24.2	16 04.65	-07 00.7	16.6	-0.88	+ 2.6	5.6/21.8	28610
1979 KQ	97 05 21.4	15 53.26	-12 30.6	17.4	-0.89	+ 3.8	2.9/20.0	28882	1024 T-1	97 05 24.3	16 04.94	-33 26.3	18.3	-0.59	+ 1.0	2.2/26.5	28892
1989 YG ₅	97 05 21.5	15 53.41	-08 19.4	16.0	-0.88	- 1.9	4.1/20.0	26739	1978 SJ ₇	97 05 24.3	16 05.05	-41 30.5	17.1	-1.13	- 0.5	7.2/27.0	23990
1994 YG	97 05 21.6	15 53.82	-20 57.1	19.7	-0.81	+ 2.3	0.2/21.7	24915	1983 TU ₁	97 05 24.3	16 05.12	-24 23.6	16.5	-1.13	- 0.7	1.4/24.8	29609
1990 QL ₃	97 05 21.6	15 53.84	-30 11.5	16.7	-1.10	+ 1.5	4.3/23.1	24240	1993 OS ₁₀	97 05 24.4	16 05.13	-24 08.8	17.1	-0.93	+ 3.7	1.2/25.0	23676
1991 VM ₄	97 05 21.6	15 53.90	-22 54.8	18.2	-1.05	+ 2.3	0.9/22.0	27455	1981 EL ₄₅	97 05 24.4	16 05.50	-23 20.2	18.3	-0.99	+ 5.1	1.0/25.0	26923
1990 TV ₁₂	97 05 21.6	15 53.95	-21 19.3	17.4	-0.54	+ 4.0	0.2/21.9	27934	1993 SM ₃	97 05 24.5	16 05.81	-18 20.3	17.9	-0.80	+ 2.1	0.7/24.2	24763
1981 ES ₁₁	97 05 21.6	15 54.04	-23 06.6	17.6	-0.93	+ 5.6	1.3/22.2	26917	3268 T-3	97 05 24.5	16 05.95	-14 22.0	19.1	-0.99	+ 5.3	2.8/23.4	20518
1990 RM ₉	97 05 21.7	15 54.32	-21 01.7	16.8	-1.05	+ 5.5	0.3/21.9	27104	1993 BJ ₃	97 05 24.6	16 06.16	-18 51.4	17.2	-1.07	+ 3.1	0.8/24.3	28317
1990 UO ₁	97 05 21.7	15 54.37	-12 48.0	17.3	-0.93	+ 2.3	2.6/20.4	24103	2084 T-2	97 05 24.8	16 06.73	+13 53.8	17.5	-1.01	+ 9.0	16.4/15.5	29668
4046 T-3	97 05 21.7	15 54.44	-11 52.5	16.3	-0.99	+ 0.8	4.2/20.4	22088	1979 QA ₂	97 05 24.9	16 07.44	-22 40.9	15.9	-0.99	+ 1.9	0.8/25.2	23778
(6910)	97 05 21.7	15 54.62	-33 52.9	16.5	-0.95	+ 1.5	4.5/24.1	27696	1982 WA	97 05 24.9	16 07.49	-23 54.7	17.9	-0.96	+ 5.6	1.0/25.6	7841
1988 VG ₄	97 05 21.8	15 54.73	-25 01.4	17.0	-0.80	+ 3.3	1.3/22.7	24760	2577 P-L	97 05 25.0	16 07.99	-21 57.1	17.1	-0.99	+ 2.5	0.5/25.3	24409
1985 US	97 05 21.8	15 55.09	-14 29.2	17.5	-0.89	+ 2.2	2.0/20.9	29655	(7046)	97 05 25.1	16 08.09	-33 56.0	15.6	-0.99	- 0.1	4.5/26.8	27435
1981 EJ ₁₅	97 05 21.9	15 55.46	-22 10.4	18.2	-1.00	+ 3.5	0.6/22.3	24580	1991 VG ₃	97 05 25.1	16 08.26	-03 16.7	17.1	-1.01	+11.4	6.5/20.7	27325
1981 UR ₂₇	97 05 22.0	15 55.44	-38 36.6	14.7	-1.19	- 1.8	7.5/24.3	27118	1978 VW ₆	97 05 25.1	16 08.39	-20 41.6	18.3	-0.94	+ 6.3	0.1/25.1	26913
1991 UO ₂	97 05 22.1	15 55.88	-14 16.4	17.2	-1.03	+ 2.2	2.2/21.1	27935	(6844)	97 05 25.2	16 08.62	-12 16.6	16.9	-1.06	+ 2.2	3.5/24.0	26727

1990 VN ₅	97 05 25.2	16 08.69	-11 23.4	17.8	-1.08	- 2.9	3.8/24.4	23975	2268 T-3	97 05 28.6	16 22.46	-16 05.6	18.2	-0.80	+ 4.1	1.6/27.7	25085
(7210)	97 05 25.3	16 09.16	-16 49.6	16.4	-0.88	+ 1.9	1.5/24.8	27907	1981 ER ₄	97 05 28.7	16 22.68	-13 07.1	19.1	-0.81	+ 3.9	2.6/27.3	26915
(6831)	97 05 25.4	16 09.15	-30 09.6	15.8	-1.20	+ 2.0	4.4/26.0	26553	1988 VP ₃	97 05 28.7	16 22.86	-27 19.4	18.1	-1.19	+ 0.4	2.3/29.4	21972
6335 P-L	97 05 25.4	16 09.20	-19 41.8	16.9	-0.83	+ 2.4	0.5/25.2	26912	5104 T-2	97 05 28.8	16 23.05	-22 40.7	18.7	-0.86	+ 4.3	0.4/29.0	22701
3854 T-3	97 05 25.4	16 09.41	-17 35.2	17.7	-0.82	+ 2.0	1.1/24.9	25085	1993 QD ₃	97 05 28.8	16 23.13	-06 56.7	17.7	-0.78	+ 2.1	4.5/26.7	29662
1991 XO ₂	97 05 25.4	16 09.43	-18 35.9	18.2	-1.01	+ 3.9	0.8/25.1	28316	1980 FS ₃	97 05 28.8	16 23.21	-35 00.3	17.9	-0.97	+ 1.0	4.3/30.6	29653
1993 FV ₃₂	97 05 25.6	16 10.07	-16 19.1	16.5	-1.06	+ 2.5	2.1/24.9	28616	1981 DH ₃	97 05 28.8	16 23.23	-16 08.3	16.9	-0.95	+ 8.1	2.4/27.8	26914
(6918)	97 05 25.6	16 10.17	-18 06.3	16.2	-1.00	+ 3.1	1.3/25.2	26894	1988 XJ ₁	97 05 28.8	16 23.28	-19 15.9	17.0	-0.88	- 1.3	0.7/28.6	29134
1991 SX ₁	97 05 25.8	16 11.14	-24 28.3	16.5	-1.11	+ 2.9	1.5/26.4	26580	1992 FS	97 05 28.9	16 23.52	-26 53.9	15.3	-1.00	- 0.5	2.2/29.5	29660
(6871)	97 05 26.0	16 11.78	-15 16.7	17.4	-1.06	+ 3.9	2.5/25.1	26734	1996 AC	97 05 28.9	16 23.59	-01 56.5	16.6	-0.82	- 1.1	6.3/27.0	26761
(6923)	97 05 26.0	16 11.97	-09 08.2	18.2	-0.79	+ 4.2	3.9/23.8	26895	1993 OU ₇	97 05 28.9	16 23.59	-18 22.9	17.1	-0.92	+ 2.3	1.2/28.5	27326
1991 AN ₂	97 05 26.1	16 12.24	+09 11.0	16.0	-0.89	+ 1.9	12.1/20.1	26925	1990 SL	97 05 28.9	16 23.66	-11 06.8	15.0	-1.48	-18.2	5.6/29.8	24582
1991 RR ₄	97 05 26.2	16 12.36	-27 13.3	17.7	-1.15	+ 2.6	2.4/27.1	26901	1981 UO ₁₁	97 05 29.1	16 24.20	-16 38.0	17.3	-1.07	+ 1.5	1.9/28.5	26923
1991 DU	97 05 26.2	16 12.38	-23 02.2	17.2	-0.90	+ 1.7	0.6/26.5	29658	(7361)	97 05 29.1	16 24.42	-25 51.7	16.6	-0.99	+ 1.6	1.6/29.7	28578
(6929)	97 05 26.2	16 12.40	-23 35.5	17.2	-0.97	- 0.2	0.8/26.5	26896	1995 YM ₂	97 05 29.2	16 24.72	-21 14.8	17.8	-1.07	+ 0.9	0.1/29.2	26573
1996 EW ₁	97 05 26.3	16 12.99	-23 31.5	17.2	-0.87	+ 2.2	0.8/26.7	27731	1988 RN ₁₀	97 05 29.2	16 24.83	-00 40.5	19.4	-0.52	+ 1.1	4.1/26.0	23246
1990 WQ ₂	97 05 26.5	16 13.71	-16 20.4	17.8	-0.89	+ 3.8	1.5/25.7	27934	1996 AK ₁₀	97 05 29.2	16 24.89	-21 43.5	18.5	-1.07	+ 3.2	0.0/29.3	26750
(7051)	97 05 26.5	16 13.98	-21 49.6	16.3	-0.83	+ 1.1	0.2/26.7	27436	1996 CC ₁	97 05 29.2	16 24.89	-21 19.9	17.0	-1.09	+ 1.5	0.1/29.2	26909
1986 AE	97 05 26.5	16 14.05	-49 37.3	18.9	-1.26	+ 4.7	7.6/31.8	25078	1170 T-2	97 05 29.3	16 25.04	-06 32.0	19.3	-0.88	+ 3.6	5.0/26.9	19329
(7324)	97 05 26.6	16 14.37	-36 47.1	18.8	-1.17	+ 2.5	5.2/29.1	28568	1987 ST ₁₁	97 05 29.3	16 25.05	-25 22.0	16.8	-1.11	+ 0.4	1.4/29.7	22272
1994 PL	97 05 26.7	16 14.54	-02 32.0	15.9	-1.01	+17.8	8.3/20.9	26927	1990 UG ₃	97 05 29.3	16 25.13	-23 15.2	18.1	-0.97	+ 0.9	0.5/29.5	29658
1993 HK	97 05 26.7	16 14.76	-15 34.3	16.7	-1.00	+ 1.7	2.4/26.0	26581	1976 SX ₅	97 05 29.4	16 25.46	-21 47.1	17.7	-0.86	+ 1.4	0.0/29.4	27118
1992 OB	97 05 26.8	16 14.90	-30 12.4	17.3	-1.09	- 5.4	3.5/27.3	22407	1989 YA ₅	97 05 29.5	16 26.20	-45 09.0	16.9	-1.07	+ 5.4	7.7/03.3	27728
1970 OB	97 05 26.8	16 15.10	-18 03.8	14.8	-1.04	- 1.4	1.7/26.5	28881	1996 BM ₁₇	97 05 29.6	16 26.63	-24 59.1	18.2	-1.04	+ 0.8	1.2/30.1	27450
1981 RQ ₂	97 05 26.9	16 15.26	-16 49.2	15.7	-0.93	+ 7.4	1.8/26.0	24557	1988 RS ₁₂	97 05 29.7	16 26.80	-20 54.7	20.5	-0.52	+ 1.5	0.1/29.6	22431
1992 CH	97 05 27.0	16 15.99	-39 21.1	17.0	-1.12	+ 3.9	6.3/30.3	26926	1992 HZ ₃	97 05 29.8	16 27.26	-25 27.0	16.7	-0.95	+ 1.3	1.4/30.3	27326
2148 P-L	97 05 27.1	16 16.10	-27 59.7	18.1	-0.90	+ 1.1	2.4/28.0	27116	1994 TB ₁₅	97 05 29.8	16 27.42	-28 55.7	17.6	-1.05	+ 2.3	2.4/30.8	27456
(7443)	97 05 27.1	16 16.25	-23 22.3	16.2	-0.89	+ 2.0	0.7/27.5	28836	1981 EB ₃₆	97 05 29.9	16 27.39	-24 51.2	19.5	-1.06	+ 2.0	1.2/30.3	21967
1975 UE	97 05 27.1	16 16.48	-17 31.8	15.9	-1.01	+ 3.3	1.7/26.6	29652	4012 T-3	97 05 29.9	16 27.70	-29 31.7	17.6	-0.96	- 1.0	2.6/30.7	29315
1988 XX ₂	97 05 27.2	16 16.73	-20 49.6	17.8	-1.09	+ 1.9	0.2/27.2	26189	1996 CK ₁	97 05 30.0	16 28.08	-27 02.6	18.3	-0.98	+ 1.1	1.7/30.7	27123
1996 AL	97 05 27.3	16 17.16	-02 23.9	17.3	-0.87	- 1.4	6.4/25.4	26575	1981 RC ₅	97 05 30.2	16 28.65	+01 34.1	15.7	-0.87	+ 4.7	9.6/25.6	27931
1991 FN ₂	97 05 27.4	16 17.29	-15 37.2	17.3	-0.83	+ 2.1	1.8/26.6	27120	1996 CS ₈	97 05 30.2	16 28.67	-13 21.1	16.4	-0.81	+ 0.8	3.0/29.2	29114
1982 UC ₁₁	97 05 27.6	16 18.34	-21 09.4	18.0	-1.00	+ 3.5	0.1/27.6	28612	1990 QE ₇	97 05 30.2	16 28.87	-18 30.7	17.6	-0.97	+ 1.9	1.2/29.8	29657
1993 VU ₇	97 05 27.7	16 18.45	+06 04.4	19.5	-0.79	+ 0.3	7.3/23.4	23342	1993 PW ₇	97 05 30.4	16 29.70	-26 30.3	16.6	-0.96	+ 2.0	1.9/31.0	29662
1996 GG ₂	97 05 27.7	16 18.65	-22 33.7	17.2	-1.01	+ 2.7	0.4/27.9	29140	4298 T-1	97 05 30.5	16 29.84	-15 55.1	17.0	-0.97	+ 1.4	2.9/29.8	23540
1981 EB ₂₃	97 05 27.7	16 18.65	-24 30.8	16.9	-1.09	+ 1.5	1.3/28.1	27118	6130 P-L	97 05 30.5	16 29.90	-16 02.4	17.2	-0.98	+ 3.1	2.3/29.7	29668
1002 T-2	97 05 27.8	16 18.95	-23 42.1	18.4	-1.09	+ 2.2	0.9/28.1	24236	1982 SM ₇	97 05 30.5	16 29.98	-24 20.4	16.6	-0.87	+ 1.3	0.8/30.8	27931
1991 FH ₂	97 05 27.8	16 19.08	-22 04.1	17.2	-0.87	+ 2.3	0.2/27.9	25638	1996 BA	97 05 30.5	16 30.33	-32 35.4	17.3	-1.19	+ 2.9	5.0/31.9	26928
(6986)	97 05 27.9	16 19.31	-17 56.0	17.9	-0.85	+ 2.2	1.1/27.4	27098	(6807)	97 05 30.6	16 30.34	-28 30.5	17.7	-1.15	+ 1.7	2.6/31.4	26393
1988 CL ₂	97 05 27.9	16 19.40	-13 34.5	17.4	-1.01	+ 1.6	3.0/26.9	25339	1981 ED ₃₅	97 05 30.6	16 30.35	-24 08.0	19.4	-1.04	+ 2.0	0.8/31.0	26578
3254 T-1	97 05 27.9	16 19.65	-07 57.5	19.1	-0.88	+ 3.6	4.6/25.8	26416	(6997)	97 05 30.6	16 30.49	-02 19.5	17.1	-0.52	+ 2.7	4.1/27.3	27101
1992 HH ₁	97 05 28.0	16 19.69	-18 20.7	17.5	-0.88	+ 3.1	1.0/27.5	24762	(6893)	97 05 30.6	16 30.56	-30 30.8	16.6	-1.11	+ 3.0	3.3/31.8	28818
1996 DJ ₁	97 05 28.0	16 19.97	-22 20.6	17.6	-0.88	+ 2.3	0.3/28.2	29666	4317 T-3	97 05 30.8	16 31.11	-10 08.8	19.4	-0.52	+ 1.4	2.3/29.1	23351
(6737)	97 05 28.0	16 20.11	-21 46.8	16.1	-1.08	+ 2.2	0.1/28.1	26161	2566 P-L	97 05 30.8	16 31.19	-19 17.0	19.3	-1.00	+ 2.5	0.9/30.5	14626
1994 VE ₁	97 05 28.1	16 20.32	-17 35.6	16.4	-0.97	+ 2.7	1.4/27.6	29622	3149 T-3	97 05 30.9	16 31.56	-18 49.7	18.8	-1.06	+ 2.4	1.2/30.5	23786
5482 T-2	97 05 28.1	16 20.33	-34 04.8	16.7	-1.16	+ 3.2	6.0/29.9	15259	1991 SN ₁	97 05 31.0	16 32.02	-14 27.9	17.2	-1.07	+ 4.6	3.2/29.9	29135
1994 PJ ₂	97 05 28.3	16 20.89	-20 07.3	18.1	-1.04	+ 2.5	0.5/28.1	27122	(6899)	97 05 31.0	16 32.14	-22 36.8	17.2	-0.88	+ 2.1	0.2/31.1	26889
1987 SS ₁₇	97 05 28.4	16 21.62	-31 27.0	16.7	-0.93	+ 0.9	3.3/29.7	27324	1975 LF ₁	97 05 31.1	16 32.72	-43 48.7	16.7	-1.16	- 2.6	7.2/01.8	23120
1994 YC ₂	97 05 28.5	16 21.85	-28 31.4	17.2	-0.99	+ 4.9	2.3/29.7	28855	(6804)	97 05 31.2	16 33.16	-21 38.8	16.2	-1.09	+ 3.8	0.1/31.3	26392
1993 FP ₇₃	97 05 28.5	16 21.91	-19 29.6	17.7	-1.07	+ 3.9	0.9/28.2	25428	1988 VK	97 05 31.2	16 33.18	-15 14.1	16.9	-1.12	+ 0.6	2.8/30.6	26419
1990 QB ₆	97 05 28.6	16 22.14	-44 06.0	16.0	-1.34	- 2.6	10.7/30.1	22229	1988 VT ₁	97 05 31.3	16 33.10	-05 56.6	18.6	-0.74	+ 2.2	4.1/29.0	28884