
The MINOR PLANET CIRCULARS/MINOR PLANETS AND COMETS are published, on behalf of
 Commission 20 of the International Astronomical Union, usually in batches
 on the date of each full moon, by:
 Minor Planet Center, Smithsonian Astrophysical Observatory, Cambridge, MA 02138, U.S.A.
 Telephone 617-495-7244/7440/7444 (for emergency use only)
 TWX 710-320-6842 ASTROGRAM CAM EASYLINK 62794505
 MARSDEN@CFA.BITNET or .SPAN BRIAN@CFAPS1.SPAN GARETH@CFAPS1.SPAN
 Brian G. Marsden, Director Gareth V. Williams, Associate Director

EDITORIAL NOTICE

Despite the change in printing style introduced last September, the batches of *MPCs* continue often to be quite voluminous. Furthermore, despite the changes in rate structure (in particular, regrettably, the introduction of a surcharge for airmail delivery), the cost of mailing the *MPCs* has become a serious burden to the Minor Planet Center. Rather than increase the subscription rates again, the possibility of printing four *MPCs* on a single page is being considered: an example is appended to this month's batch. Other avenues that could be explored are a charge for processing large batches of observations (e.g., the Uppsala-ESO Survey covering most of *MPC* 23435-23477) or—simply—a request for donations. Thoughts on these options, or other suggestions, are solicited from subscribers.

The Minor Planet Center is issuing a new edition—the second—of the *Catalogue of High-Precision Orbits of Unnumbered Minor Planets*. The standard epoch 1994 Sept. 5.0 TT is used, and the catalogue is complete through the current batch of *MPCs*. Opposition positions and motions are given for objects that reach opposition between 1994 May 1 and 1995 Jan. 31; more extensive ephemerides are given for unusual minor planets. The new catalogue, intended as a companion to the *Ephemeridy Malykh Planet*, costs \$30.00 (\$40.00 for airmail delivery). The orbits are also being issued on an MS-DOS diskette for \$110.00 (\$120.00 for airmail delivery); the ephemerides are not included, but there is a computer program for generating them.

A new edition—the ninth—of the *Catalogue of Cometary Orbits*, complete through the current batch of *MPCs*, is also being issued. The printed edition costs \$20.00 (\$30.00 by airmail), and the diskette edition (which includes a facility for extracting orbits and computing ephemerides) costs \$110.00 (\$120.00 by airmail). The main part of the catalogue and the table of 'original' and 'future' $1/a$ values (for the orbits of first-class and second-class quality) are also available by e-mail for \$50.00.

The "critical list" on *MPC* 23363-23364 contains some additional features. First, all the objects of four or more oppositions not observed during the past ten years are in section 4, rather than separated into two sections. The new section 5 is a particularly illuminating one, for it shows the objects that appear to have been recorded on only a single night during the last ten years. Section 6 contains objects so poorly observed that they still do not qualify (or they barely qualify) for numbering under the rather stringent rules currently adopted by the Minor Planet Center.

CORRECTED OBSERVATIONS

The following observations correct those previously published.

| Object | Date | UT | α_{2000} | δ_{2000} | Reference | Mag. | Obs. |
|---------|------------------|-------------|-----------------|-----------------|------------------|------|------|
| 1994 GD | 1994 04 03.62584 | 12 27 26.20 | -13 53 47.4 | 26.20 | <i>MPC</i> 23284 | | 413 |
| 1994 GD | 1994 04 03.62829 | 12 27 26.09 | -13 53 46.4 | 26.09 | <i>MPC</i> 23284 | | 413 |

| | | | | | | | |
|-------|------------------|-------------|-------------|------|-----------------|--|-----|
| (536) | 1956 05 13.15313 | 14 27 58.44 | -04 47 03.3 | 14.9 | <i>MPC</i> 1787 | | 760 |
| (536) | 1956 05 13.18715 | 14 27 56.83 | -04 47 04.8 | 14.9 | <i>MPC</i> 1787 | | 760 |

IDENTIFICATION CHANGES

Continuation to *MPC* 23259.

| Object | Date | UT | α_{2000} | δ_{2000} | Originally | Mag. | Obs. |
|----------------------|--------------------|-------------|-----------------|-----------------|----------------------|------|------|
| 1978 JX ₃ | * 1978 05 05.87200 | 13 39 42.60 | -06 47 50.3 | 50.3 | 1978 GW ₃ | 16.7 | 095 |
| 1978 JY ₃ | * 1978 05 05.87200 | 13 46 05.26 | -06 38 45.9 | 45.9 | 1978 GJ ₄ | 16.7 | 095 |
| 1986 HH ₁ | * 1986 04 29.31389 | 13 09 47.24 | +16 07 59.0 | 59.0 | 1986 GN | 16.8 | 675 |
| 1986 HH ₁ | 1986 05 01.91861 | 13 07 59.83 | +16 11 22.6 | 22.6 | 1986 GN | 17.0 | 054 |
| 1986 HH ₁ | 1986 05 02.92718 | 13 07 20.20 | +16 12 04.9 | 04.9 | 1986 GN | | 054 |
| 1986 HH ₁ | 1986 05 03.25174 | 13 07 08.05 | +16 12 18.7 | 18.7 | 1986 GN | | 675 |
| 1986 HH ₁ | 1986 05 03.29618 | 13 07 06.11 | +16 12 22.6 | 22.6 | 1986 GN | | 675 |
| 1986 HH ₁ | 1986 05 03.90935 | 13 06 42.93 | +16 12 33.9 | 33.9 | 1986 GN | | 054 |
| 1990 FR ₅ | * 1990 03 29.54722 | 13 11 23.12 | -07 02 51.4 | 51.4 | 1990 FL ₁ | 17 | 400 |
| 1990 FR ₅ | 1990 03 29.56667 | 13 11 21.90 | -07 02 43.6 | 43.6 | 1990 FL ₁ | | 400 |
| 1993 FE ₆ | * 1993 03 22.64132 | 12 18 08.10 | +02 04 14.2 | 14.2 | 1993 FS ₃ | 18 | 372 |
| 1993 FE ₆ | 1993 03 22.65139 | 12 18 07.69 | +02 04 18.6 | 18.6 | 1993 FS ₃ | | 372 |

CRITICAL LIST OF MINOR PLANETS

The following list updates and is in the same form as that on *MPC* 22609:

- Object observed at only one opposition:
(719)
- Objects observed at only two oppositions:

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|
| (2608) | (3671) | (3688) | (3757) | (3908) | (4503) | (4581) | (4688) |
| (4769) | (5324) | (5335) | (5370) | (5381) | (5496) | (5620) | (5660) |
| (5863) | (5879) | | | | | | |
- Objects observed at only three oppositions:

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|
| (2101) | (2202) | (2340) | (2937) | (3102) | (3144) | (3289) | (3360) |
| (3496) | (3792) | (3833) | (3838) | (3988) | (4034) | (4401) | (4486) |
| (4487) | (4544) | (4587) | (4596) | (4783) | (4829) | (4947) | (5164) |
| (5189) | (5206) | (5269) | (5477) | (5645) | (5646) | (5653) | (5715) |
| (5738) | (5751) | (5786) | (5797) | (5836) | (5867) | (5869) | |
- Objects observed at four or more oppositions, last more than ten years ago:

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|
| (610) | (989) | (1221) | (1460) | (1556) | (1568) | (1766) | (2005) |
| (2014) | (2077) | (2261) | (2262) | (2452) | (2546) | (2552) | (2604) |
| (2639) | (2662) | (2782) | (2783) | (2822) | (2876) | (2897) | (2902) |

| | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|
| (2908) | (2940) | (2965) | (2967) | (2970) | (2972) | (3006) | (3021) |
| (3038) | | | | | | | |
| 5. Objects observed at four or more oppositions, only one night in last ten years: | | | | | | | |
| (285) | (623) | (680) | (870) | (963) | (1021) | (1140) | (1205) |
| (1241) | (1293) | (1322) | (1359) | (1360) | (1391) | (1421) | (1429) |
| (1436) | (1452) | (1515) | (1569) | (1571) | (1575) | (1596) | (1608) |
| (1626) | (1640) | (1646) | (1647) | (1665) | (1695) | (1708) | (1838) |
| (1893) | (1915) | (1931) | (1934) | (1957) | (1963) | (2044) | (2074) |
| (2118) | (2134) | (2150) | (2156) | (2198) | (2218) | (2229) | (2266) |
| (2269) | (2294) | (2348) | (2368) | (2383) | (2414) | (2419) | (2429) |
| (2441) | (2443) | (2485) | (2495) | (2522) | (2557) | (2558) | (2570) |
| (2577) | (2583) | (2600) | (2643) | (2684) | (2701) | (2725) | (2735) |
| (2786) | (2805) | (2818) | (2824) | (2867) | (2871) | (2936) | (2979) |
| (3023) | (3079) | (3239) | | | | | |
| 6. Other poorly-observed objects observed at four or more oppositions: | | | | | | | |
| (1710) | (2135) | (3475) | (3612) | (3646) | (3677) | (3686) | (3692) |
| (3714) | (3720) | (3826) | (3891) | (3926) | (3974) | (3995) | (4038) |
| (4042) | (4045) | (4098) | (4128) | (4156) | (4166) | (4190) | (4253) |
| (4268) | (4270) | (4277) | (4284) | (4293) | (4312) | (4317) | (4327) |
| (4332) | (4340) | (4344) | (4354) | (4399) | (4402) | (4410) | (4454) |
| (4478) | (4479) | (4489) | (4499) | (4523) | (4539) | (4553) | (4559) |
| (4567) | (4595) | (4599) | (4632) | (4691) | (4739) | (4749) | (5011) |
| (5799) | | | | | | | |

OBSERVATIONS OF COMETS

Observations are published here for the following observatory codes:

| | |
|-----|--|
| 046 | Kleť. 0.57-m reflector + CCD. Observers J. Tichá, Z. Vávrová, Z. Moravec and M. Tichý. Measured by Z. Moravec and M. Tichý. |
| 111 | Osservatorio di Piazzano, Florence. 0.20-m $f/10$ Schmidt Cassegrain + CCD. Observers R. Bettarini, A. Boattini and M. Tombelli. |
| 292 | Burlington. 0.20-m $f/6.3$ Schmidt-Cassegrain + CCD. Observer T. Handley. |
| 323 | Perth Observatory, Bickley. 0.3-m astrograph. Observers C. Bowers, P. Jekabsons, G. Lowe, T. Smith and A. Verveer. |
| 360 | Kuma Kogen. 0.60-m $f/6.0$ Ritchey-Chrétien + CCD. Observer A. Nakamura. |
| 372 | Geisei. 0.60-m $f/3.5$ reflector. Observer T. Seki. In part from <i>Orient. Astron. Assoc. Comet Bull.</i> |
| 391 | Sendai Observatory, Ayashi Station. 0.30-m $f/3.8$ reflector. Observer M. Koishikawa. |
| 402 | Dync Astronomical Observatory. 0.25-m $f/3.4$ Schmidt. Observer A. Sugie. |
| 410 | Sengamine. 0.20-m $f/6.0$ reflector + CCD. Observer K. Ito. |
| 411 | Oizumi. 0.25-m $f/4.4$ reflector + CCD. Observer T. Kobayashi. |
| 413 | Siding Spring. 1.0-m reflector + CCD. Observers R. H. McNaught, G. J. Garradd, D. I. Steel and D. J. Asher. |
| 500 | These geocentric positions refer to observations with the Hubble Space Telescope. Measured by H. Weaver. |
| 540 | Linz. 0.3-m $f/5.2$ Schmidt-Cassegrain + CCD. Observers E. Meyer, E. Obermair, H. Raab and A. Tetkovic. |
| 557 | Ondřejov. 0.18-m $f/5.6$ Maksutov + CCD. Observers P. Pravec and M. Varady. Measured by P. Pravec. |

| | |
|-----|--|
| 587 | Sormano. 0.5-m reflector + CCD. Observers P. Sicoli, V. Giuliani, M. Cavagna and A. Testa. |
| 596 | Colleverde di Guidonia. 0.31-m $f/2.8$ Baker-Schmidt + CCD. Observer V. S. Casulli. |
| 605 | Marl. 0.2-m $f/10$ Schmidt-Cassegrain + CCD. Observer E. Jung. |
| 658 | Dominion Astrophysical Observatory, Victoria. 1.82-m Plaskett telescope + CCD. Observers D. D. Balam, J. B. Tatum and G. C. L. Aikman. Measured by D. D. Balam. |
| 675 | Palomar. 0.46-m Schmidt. Observers E. Helin, H. E. Holt, D. H. Levy, K. Lawrence, C. S. Shoemaker and D. Williams. Measured by B. A. Skiff, K. Lawrence and M. F. Nordstrand. |
| 689 | U.S. Naval Observatory, Flagstaff Station. 1.5-m reflector + CCD. Observer A. K. B. Monet. |
| 691 | Kitt Peak. 0.91-m Spacewatch telescope and 2.3-m Steward reflector + CCD. Observers T. Gehrels, R. Jedicke, S. Larson, B. Marcialis, D. Rabinowitz and J. V. Scotti. Measured by C. Hergenrother and J. V. Scotti. |
| 693 | University of Arizona, Catalina Station. 1.5-m reflector + CCD. Observer S. M. Larson. Measured by C. Hergenrother. |
| 711 | McDonald Observatory. 0.76-m telescope + prime-focus camera and 2.1-m Struve reflector. Observers A. L. Whipple, C. Claver, P. MacQueen and P. J. Shelus. Measured by R. Whited and A. Cochran. |
| 786 | U.S. Naval Observatory, Washington. 0.61-m reflector + CCD. Observer J. DeYoung. |
| 801 | Oak Ridge. 1.5-m reflector + CCD. Observer R. E. McCrosky. |
| 816 | Rand Observatory. 0.37-m $f/6$ reflector + telecompressor + CCD. Observer G. R. Viscome. |
| 817 | Sudbury. 0.28-m Schmidt-Cassegrain + CCD. Observer D. di Cicco. |
| 862 | Saku. 0.10-m $f/4$ patrol camera. Observer K. Takamizawa. Measured by Y. Kushida. $\lambda = 138^\circ.5262$, $\rho \cos \phi' = 0.80861$, $\rho \sin \phi' = +0.58658$ (see <i>MPC</i> 22434). |
| 893 | Sendai Astronomical Observatory. 0.41-m $f/3.3$ reflector + CCD. Observer K. Cross. |
| 896 | Yatsugatake South Base Observatory. 0.25-m $f/3.4$ reflector. Observer Y. Kushida. |
| 897 | Chiyoda. 0.25-m $f/6$ reflector + CCD. Observer T. Kojima. |
| 900 | Ohtsu. 0.25-m $f/6.3$ reflector + CCD. Observer Y. Ikari. |

| Object | Date | UT | α_{2000} | δ_{2000} | Mag. | N Obs. |
|--|------------------|----|-----------------|-----------------|--------|--------|
| Periodic Comet Schwassmann-Wachmann 2 | | | | | | |
| /1987 XIX | 1994 02 11.22638 | | 08 18 19.01 | +20 18 40.2 | | 675 |
| /1987 XIX | 1994 02 11.27482 | | 08 18 17.51 | +20 18 52.0 | | 675 |
| /1987 XIX | 1994 02 12.28818 | | 08 17 48.97 | +20 23 12.5 | | 693 |
| /1987 XIX | 1994 02 12.29909 | | 08 17 48.66 | +20 23 15.1 | | 693 |
| /1987 XIX | 1994 02 12.30918 | | 08 17 48.38 | +20 23 17.7 | | 693 |
| /1987 XIX | 1994 02 14.35104 | | 08 16 55.86 | +20 31 36.9 | | 675 |
| /1987 XIX | 1994 02 14.38923 | | 08 16 54.94 | +20 31 44.6 | | 675 |
| /1987 XIX | 1994 03 04.89387 | | 08 14 34.56 | +21 22 05.9 | 12.9 T | 605 |
| /1987 XIX | 1994 03 04.90521 | | 08 14 34.74 | +21 22 06.7 | 12.9 T | 605 |
| /1987 XIX | 1994 03 04.91630 | | 08 14 34.72 | +21 22 08.1 | 12.8 T | 605 |
| /1987 XIX | 1994 04 08.48976 | | 08 38 06.09 | +20 48 38.2 | 13.0 T | 1 360 |
| /1987 XIX | 1994 04 08.49201 | | 08 38 06.20 | +20 48 37.8 | | 1 360 |
| /1987 XIX | 1994 04 09.53928 | | 08 39 16.75 | +20 45 10.2 | 13.8 T | 410 |

| | | | | | | | | | | | |
|--|------------------|-------------|-------------|--------|-------|---------------------------------|------------------|-------------|-------------|--------|-------|
| /1987 XIX | 1994 04 09.55637 | 08 39 17.83 | +20 45 07.5 | | 410 | /1992q | 1994 04 13.16987 | 12 49 12.61 | +03 55 52.5 | 19.4 T | 691 |
| /1987 XIX | 1994 04 11.85346 | 08 41 57.26 | +20 37 04.4 | 14.1 T | 605 | /1992q | 1994 04 13.19706 | 12 49 11.04 | +03 56 13.0 | 21.5 N | 691 |
| /1987 XIX | 1994 04 11.85654 | 08 41 57.55 | +20 37 02.5 | 14.1 T | 605 | Periodic Comet Gehrels 3 | | | | | |
| /1987 XIX | 1994 04 13.79907 | 08 44 16.58 | +20 29 45.2 | 12.6 T | 587 | /1992v | 1994 05 02.17859 | 09 45 18.39 | +12 13 43.5 | 19.7 T | 691 |
| /1987 XIX | 1994 04 13.83251 | 08 44 18.96 | +20 29 37.2 | | 587 | /1992v | 1994 05 02.18604 | 09 45 18.54 | +12 13 42.9 | 19.3 T | 691 |
| /1987 XIX | 1994 04 18.87128 | 08 50 38.19 | +20 08 38.3 | 15.0 T | 605 | /1992v | 1994 05 02.19518 | 09 45 18.78 | +12 13 42.0 | 21.5 N | 691 |
| /1987 XIX | 1994 04 18.87595 | 08 50 38.55 | +20 08 35.6 | 15.0 T | 605 | Comet Shoemaker (1992y) | | | | | |
| /1987 XIX | 1994 04 20.82551 | 08 53 11.59 | +19 59 41.2 | 13.9 T | 046 | /1992y | 1994 04 20.41662 | 15 28 24.80 | +21 29 08.1 | | 691 |
| /1987 XIX | 1994 04 20.82802 | 08 53 11.80 | +19 59 40.3 | 15.9 N | 046 | /1992y | 1994 04 20.42516 | 15 28 24.28 | +21 29 07.7 | | 691 |
| /1987 XIX | 1994 04 21.84736 | 08 54 33.12 | +19 54 51.2 | 15.9 N | 046 | /1992y | 1994 04 20.43970 | 15 28 23.48 | +21 29 07.1 | | 691 |
| /1987 XIX | 1994 04 21.84980 | 08 54 33.29 | +19 54 50.3 | 14.2 T | 046 | /1992y | 1994 05 01.41248 | 15 18 00.92 | +21 09 08.8 | 19.8 T | 691 |
| /1987 XIX | 1994 04 21.85072 | 08 54 33.37 | +19 54 50.1 | | 046 | /1992y | 1994 05 01.42068 | 15 18 00.41 | +21 09 07.7 | 21.9 N | 691 |
| /1987 XIX | 1994 04 21.85162 | 08 54 33.46 | +19 54 50.1 | | 046 | /1992y | 1994 05 01.42874 | 15 17 59.99 | +21 09 06.5 | 20.1 T | 691 |
| Periodic Comet Gunn | | | | | | | | | | | |
| /1989 XI | 1994 04 13.46094 | 07 14 21.38 | +30 28 20.1 | 18.3 T | 360 | Periodic Comet Kojima | | | | | |
| /1989 XI | 1994 04 13.46493 | 07 14 21.51 | +30 28 19.4 | | 360 | /1992z | 1994 02 12.32326 | 09 30 08.82 | +14 24 42.6 | 18.5 T | 675 |
| Periodic Comet Schwassmann-Wachmann 1 | | | | | | | | | | | |
| /1989 XV | 1994 02 12.18704 | 07 13 41.57 | +26 15 25.7 | 11.5 T | 693 | /1992z | 1994 02 12.36094 | 09 30 07.30 | +14 24 51.2 | | 675 |
| /1989 XV | 1994 02 12.25818 | 07 13 40.01 | +26 15 23.5 | | 693 | /1992z | 1994 02 15.31267 | 09 28 08.82 | +14 35 51.1 | 18.2 T | 675 |
| /1989 XV | 1994 02 12.28006 | 07 13 39.52 | +26 15 22.7 | | 693 | /1992z | 1994 02 15.34861 | 09 28 07.30 | +14 35 58.2 | | 675 |
| /1989 XV | 1994 03 04.94775 | 07 08 40.53 | +25 59 46.5 | 12.7 T | 605 | /1992z | 1994 04 13.50017 | 09 22 53.21 | +15 27 48.7 | 18.5 T | 360 |
| /1989 XV | 1994 04 08.45868 | 07 11 43.42 | +25 15 20.7 | 16.4 N | 1 360 | /1992z | 1994 04 13.50394 | 09 22 53.32 | +15 27 48.5 | | 360 |
| /1989 XV | 1994 04 08.46094 | 07 11 43.45 | +25 15 20.6 | | 1 360 | /1993a | 1994 02 03.40740 | 22 01 15.50 | +10 35 37.7 | 10 T | 372 |
| /1989 XV | 1994 04 17.47115 | 07 14 43.17 | +25 00 54.3 | 13.7 T | 897 | /1993a | 1994 02 03.41146 | 22 01 15.75 | +10 35 34.0 | | 372 |
| /1989 XV | 1994 04 17.50016 | 07 14 43.85 | +25 00 50.8 | | 897 | /1993a | 1994 02 07.40486 | 22 05 17.9 | +09 36 45 | | 372 |
| /1989 XV | 1994 04 17.52052 | 07 14 44.27 | +25 00 49.6 | | 897 | Comet Mueller (1993a) | | | | | |
| /1989 XV | 1994 04 20.81402 | 07 16 01.91 | +24 55 17.2 | 14.4 T | 046 | /1993c | 1994 03 05.04633 | 13 33 23.27 | +10 21 06.1 | 14.3 T | 605 |
| /1989 XV | 1994 04 20.81574 | 07 16 01.98 | +24 55 17.5 | | 046 | /1993c | 1994 03 05.04988 | 13 33 23.34 | +10 21 07.3 | 14.4 T | 605 |
| /1989 XV | 1994 04 20.81697 | 07 16 02.00 | +24 55 16.7 | | 046 | /1993c | 1994 03 05.05688 | 13 33 23.49 | +10 21 09.5 | 14.4 T | 605 |
| /1989 XV | 1994 04 21.81589 | 07 16 26.80 | +24 53 33.2 | 15.3 N | 046 | /1993c | 1994 04 02.22020 | 13 26 02.76 | +12 34 34.3 | | 292 |
| /1989 XV | 1994 04 21.81706 | 07 16 26.80 | +24 53 33.2 | 13.0 T | 046 | /1993c | 1994 04 02.22784 | 13 26 02.34 | +12 34 36.5 | | 292 |
| /1989 XV | 1994 04 21.81955 | 07 16 26.85 | +24 53 33.1 | | 046 | /1993c | 1994 04 08.55532 | 13 21 18.97 | +12 45 38.2 | 11.5 T | 1 360 |
| Periodic Comet Swift-Tuttle | | | | | | | | | | | |
| /1992 XXVIII | 1993 04 19.85521 | 00 59 29.87 | -65 52 49.2 | | 323 | /1993c | 1994 04 08.55781 | 13 21 18.85 | +12 45 38.4 | | 1 360 |
| /1992 XXVIII | 1994 03 18.59109 | 09 16 19.61 | -66 05 05.2 | | 413 | /1993c | 1994 04 09.19652 | 13 20 47.62 | +12 45 57.4 | | 801 |
| /1992 XXVIII | 1994 03 18.59488 | 09 16 19.34 | -66 05 02.4 | | 413 | /1993c | 1994 04 09.21397 | 13 20 46.70 | +12 45 57.7 | | 801 |
| /1992 XXVIII | 1994 03 19.48256 | 09 15 13.65 | -65 55 03.9 | | 413 | /1993c | 1994 04 11.21464 | 13 19 07.73 | +12 45 57.5 | | 801 |
| /1992 XXVIII | 1994 03 19.49092 | 09 15 13.10 | -65 54 58.3 | | 413 | /1993c | 1994 04 11.22823 | 13 19 07.00 | +12 45 57.2 | | 801 |
| /1992 XXVIII | 1994 03 20.64876 | 09 13 50.22 | -65 41 45.1 | | 413 | /1993c | 1994 04 11.46074 | 13 18 54.87 | +12 45 52.7 | 15.2 N | 691 |
| /1992 XXVIII | 1994 03 20.65296 | 09 13 49.85 | -65 41 42.4 | | 413 | /1993c | 1994 04 11.92075 | 13 18 32.49 | +12 45 31.2 | 12.4 T | 605 |
| /1992 XXVIII | 1994 04 01.51079 | 09 02 46.39 | -63 17 27.6 | | 413 | /1993c | 1994 04 11.92522 | 13 18 32.22 | +12 45 31.0 | 12.3 T | 605 |
| Comet Spacewatch (1992h) | | | | | | | | | | | |
| /1992h | 1994 03 02.47743 | 01 26 12.93 | +50 34 17.8 | 16 T | 372 | /1993c | 1994 04 11.93008 | 13 18 31.96 | +12 45 31.2 | 12.4 T | 605 |
| /1992h | 1994 03 02.49000 | 01 26 14.04 | +50 34 04.2 | 16 T | 372 | /1993c | 1994 04 17.71403 | 13 13 35.37 | +12 34 05.6 | 12.5 T | 900 |
| Comet Helin-Lawrence (1992q) | | | | | | | | | | | |
| /1992q | 1993 03 23.51181 | 00 58 58.90 | -61 38 22.4 | | 323 | /1993c | 1994 04 17.71957 | 13 13 35.03 | +12 34 04.1 | | 900 |
| /1992q | 1993 06 14.48194 | 09 38 49.35 | -47 13 03.8 | | 323 | /1993c | 1994 04 18.99068 | 13 12 30.48 | +12 29 26.3 | 12.5 T | 605 |
| /1992q | 1994 04 10.29949 | 12 51 52.02 | +03 20 09.5 | 20.5 T | 691 | /1993c | 1994 04 18.99579 | 13 12 30.12 | +12 29 23.1 | 12.3 T | 605 |
| /1992q | 1994 04 10.33814 | 12 51 49.75 | +03 20 39.0 | | 691 | /1993c | 1994 04 19.00588 | 13 12 29.65 | +12 29 22.4 | 12.3 T | 605 |
| Comet Helin-Lawrence (1992q) | | | | | | | | | | | |
| /1992q | 1993 03 23.51181 | 00 58 58.90 | -61 38 22.4 | | 323 | /1993c | 1994 04 19.16392 | 13 12 22.20 | +12 28 49.3 | 15.1 N | 691 |
| /1992q | 1993 06 14.48194 | 09 38 49.35 | -47 13 03.8 | | 323 | /1993c | 1994 04 19.17215 | 13 12 21.75 | +12 28 47.3 | | 691 |
| /1992q | 1994 04 10.29949 | 12 51 52.02 | +03 20 09.5 | 20.5 T | 691 | /1993c | 1994 04 19.18038 | 13 12 21.32 | +12 28 45.5 | | 691 |
| /1992q | 1994 04 10.33814 | 12 51 49.75 | +03 20 39.0 | | 691 | /1993c | 1994 04 19.95506 | 13 11 41.58 | +12 25 25.7 | 13.8 N | 046 |
| | | | | | | /1993c | 1994 04 19.95706 | 13 11 41.46 | +12 25 25.3 | | 046 |

| | | | | | | | | | | | |
|--|------------------|-------------|-------------|--------|-------|--------|------------------|-------------|-------------|--------|-------|
| /1993c | 1994 04 19.95890 | 13 11 41.36 | +12 25 24.9 | | 046 | /1993e | 1994 04 05.46869 | 14 34 09.78 | -15 39 13.7 | 19.0 T | S 691 |
| /1993c | 1994 04 19.95957 | 13 11 41.32 | +12 25 24.6 | | 046 | /1993e | 1994 04 05.46869 | 14 34 09.17 | -15 39 14.0 | | T 691 |
| /1993c | 1994 04 19.96152 | 13 11 41.22 | +12 25 24.3 | 11.5 T | 046 | /1993e | 1994 04 05.46869 | 14 34 07.89 | -15 39 27.0 | | V 691 |
| Periodic Comet Shoemaker-Levy 9 | | | | | | | | | | | |
| /1993e | 1994 03 30.68750 | 14 36 13.36 | -15 50 44.7 | | N 500 | /1993e | 1994 04 05.46869 | 14 34 07.77 | -15 39 29.4 | 19.9 T | W 691 |
| /1993e | 1994 03 30.68750 | 14 36 12.57 | -15 50 47.3 | | P 500 | /1993e | 1994 04 05.47362 | 14 34 23.80 | -15 37 23.1 | 20.8 T | A 691 |
| /1993e | 1994 03 30.68750 | 14 36 12.31 | -15 50 54.4 | | Q 500 | /1993e | 1994 04 05.47362 | 14 34 22.83 | -15 37 29.4 | 20.6 T | B 691 |
| /1993e | 1994 03 30.68750 | 14 36 11.20 | -15 51 02.9 | | R 500 | /1993e | 1994 04 05.47362 | 14 34 22.46 | -15 37 33.1 | 20.6 T | C 691 |
| /1993e | 1994 04 01.38216 | 14 35 46.06 | -15 46 40.0 | 19.5 T | G 689 | /1993e | 1994 04 05.47362 | 14 34 21.89 | -15 37 37.7 | | D 691 |
| /1993e | 1994 04 01.38216 | 14 35 44.59 | -15 46 50.9 | 21.1 T | H 689 | /1993e | 1994 04 05.47362 | 14 34 21.45 | -15 37 41.4 | 19.6 T | E 691 |
| /1993e | 1994 04 01.38216 | 14 35 42.81 | -15 47 04.8 | 20.0 T | K 689 | /1993e | 1994 04 05.47362 | 14 34 20.11 | -15 37 49.8 | 20.0 T | F 691 |
| /1993e | 1994 04 01.38216 | 14 35 41.34 | -15 47 15.6 | 21.1 T | L 689 | /1993e | 1994 04 05.47362 | 14 34 19.48 | -15 37 57.5 | 18.4 T | G 691 |
| /1993e | 1994 04 01.38216 | 14 35 38.78 | -15 47 35.1 | 19.0 T | Q 689 | /1993e | 1994 04 05.47362 | 14 34 17.97 | -15 38 08.8 | 18.9 T | H 691 |
| /1993e | 1994 04 01.38216 | 14 35 36.51 | -15 47 52.6 | 21.1 T | S 689 | /1993e | 1994 04 05.47362 | 14 34 16.15 | -15 38 22.9 | 18.5 T | K 691 |
| /1993e | 1994 04 01.39774 | 14 35 45.69 | -15 46 38.0 | 19.6 T | G 689 | /1993e | 1994 04 05.47362 | 14 34 14.69 | -15 38 34.2 | 18.5 T | L 691 |
| /1993e | 1994 04 01.39774 | 14 35 44.26 | -15 46 49.2 | 21.1 T | H 689 | /1993e | 1994 04 05.47362 | 14 34 13.02 | -15 38 44.4 | 20.8 T | N 691 |
| /1993e | 1994 04 01.39774 | 14 35 42.49 | -15 47 02.8 | 20.2 T | K 689 | /1993e | 1994 04 05.47362 | 14 34 12.21 | -15 38 47.9 | | P 691 |
| /1993e | 1994 04 01.39774 | 14 35 41.08 | -15 47 13.7 | 21.9 T | L 689 | /1993e | 1994 04 05.47362 | 14 34 12.01 | -15 38 54.5 | 18.1 T | Q 691 |
| /1993e | 1994 04 01.39774 | 14 35 38.54 | -15 47 33.8 | 19.3 T | Q 689 | /1993e | 1994 04 05.47362 | 14 34 10.86 | -15 39 03.8 | 19.3 T | R 691 |
| /1993e | 1994 04 01.39774 | 14 35 36.24 | -15 47 51.3 | 21.2 T | S 689 | /1993e | 1994 04 05.47362 | 14 34 09.66 | -15 39 12.9 | 19.0 T | S 691 |
| /1993e | 1994 04 05.46574 | 14 34 24.12 | -15 37 24.0 | 20.7 T | A 691 | /1993e | 1994 04 05.47362 | 14 34 08.91 | -15 39 13.4 | | T 691 |
| /1993e | 1994 04 05.46574 | 14 34 23.04 | -15 37 30.4 | 20.7 T | B 691 | /1993e | 1994 04 05.47362 | 14 34 07.96 | -15 39 25.4 | | V 691 |
| /1993e | 1994 04 05.46574 | 14 34 22.68 | -15 37 35.1 | 20.4 T | C 691 | /1993e | 1994 04 06.41953 | 14 34 07.65 | -15 39 28.8 | 19.7 T | W 691 |
| /1993e | 1994 04 05.46574 | 14 34 22.04 | -15 37 39.4 | | D 691 | /1993e | 1994 04 06.41953 | 14 34 02.76 | -15 35 17.1 | 20.8 T | A 691 |
| /1993e | 1994 04 05.46574 | 14 34 21.69 | -15 37 42.7 | 19.6 T | E 691 | /1993e | 1994 04 06.41953 | 14 34 01.78 | -15 35 23.3 | 20.8 T | B 691 |
| /1993e | 1994 04 05.46574 | 14 34 20.37 | -15 37 51.0 | | F 691 | /1993e | 1994 04 06.41953 | 14 34 01.42 | -15 35 27.7 | 20.4 T | C 691 |
| /1993e | 1994 04 05.46574 | 14 34 19.69 | -15 37 58.8 | 18.5 T | G 691 | /1993e | 1994 04 06.41953 | 14 34 00.71 | -15 35 32.5 | 21 T | D 691 |
| /1993e | 1994 04 05.46574 | 14 34 18.22 | -15 38 10.0 | 19.0 T | H 691 | /1993e | 1994 04 06.41953 | 14 34 00.42 | -15 35 35.7 | 19.5 T | E 691 |
| /1993e | 1994 04 05.46574 | 14 34 16.38 | -15 38 24.3 | 18.7 T | K 691 | /1993e | 1994 04 06.41953 | 14 33 59.04 | -15 35 43.7 | 19.8 T | F 691 |
| /1993e | 1994 04 05.46574 | 14 34 14.90 | -15 38 35.5 | 19.2 T | L 691 | /1993e | 1994 04 06.41953 | 14 33 58.40 | -15 35 51.5 | 18.4 T | G 691 |
| /1993e | 1994 04 05.46574 | 14 34 13.28 | -15 38 44.8 | 20.5 T | N 691 | /1993e | 1994 04 06.41953 | 14 33 56.91 | -15 36 02.7 | 18.8 T | H 691 |
| /1993e | 1994 04 05.46574 | 14 34 12.46 | -15 38 49.7 | | P 691 | /1993e | 1994 04 06.41953 | 14 33 55.10 | -15 36 16.9 | 18.5 T | K 691 |
| /1993e | 1994 04 05.46574 | 14 34 12.21 | -15 38 55.7 | 18.2 T | Q 691 | /1993e | 1994 04 06.41953 | 14 33 53.62 | -15 36 28.2 | 19.0 T | L 691 |
| /1993e | 1994 04 05.46574 | 14 34 11.09 | -15 39 04.9 | 19.6 T | R 691 | /1993e | 1994 04 06.41953 | 14 33 51.19 | -15 36 41.8 | 19 T | P 691 |
| /1993e | 1994 04 05.46574 | 14 34 09.86 | -15 39 14.1 | 19.1 T | S 691 | /1993e | 1994 04 06.41953 | 14 33 50.93 | -15 36 48.3 | 18.0 T | Q 691 |
| /1993e | 1994 04 05.46574 | 14 34 09.24 | -15 39 14.2 | 20.6 T | T 691 | /1993e | 1994 04 06.41953 | 14 33 49.79 | -15 36 57.5 | 19.3 T | R 691 |
| /1993e | 1994 04 05.46574 | 14 34 08.02 | -15 39 25.9 | | V 691 | /1993e | 1994 04 06.41953 | 14 33 48.59 | -15 37 06.6 | 18.8 T | S 691 |
| /1993e | 1994 04 05.46574 | 14 34 07.85 | -15 39 30.1 | 19.9 T | W 691 | /1993e | 1994 04 06.41953 | 14 33 46.82 | -15 37 17.9 | 21 T | V 691 |
| /1993e | 1994 04 05.46869 | 14 34 23.90 | -15 37 24.4 | 21.0 T | A 691 | /1993e | 1994 04 06.41953 | 14 33 46.56 | -15 37 22.5 | 19.5 T | W 691 |
| /1993e | 1994 04 05.46869 | 14 34 22.94 | -15 37 30.0 | 20.8 T | B 691 | /1993e | 1994 04 06.42601 | 14 34 02.60 | -15 35 16.5 | 21.0 T | A 691 |
| /1993e | 1994 04 05.46869 | 14 34 22.58 | -15 37 34.2 | 20.6 T | C 691 | /1993e | 1994 04 06.42601 | 14 34 01.63 | -15 35 22.7 | 20.6 T | B 691 |
| /1993e | 1994 04 05.46869 | 14 34 22.02 | -15 37 38.5 | | D 691 | /1993e | 1994 04 06.42601 | 14 34 01.27 | -15 35 26.9 | 20.7 T | C 691 |
| /1993e | 1994 04 05.46869 | 14 34 21.59 | -15 37 42.0 | 19.5 T | E 691 | /1993e | 1994 04 06.42601 | 14 34 00.63 | -15 35 31.2 | 21 T | D 691 |
| /1993e | 1994 04 05.46869 | 14 34 20.22 | -15 37 50.4 | 18.4 T | F 691 | /1993e | 1994 04 06.42601 | 14 34 00.28 | -15 35 34.7 | 19.6 T | E 691 |
| /1993e | 1994 04 05.46869 | 14 34 19.59 | -15 37 58.1 | 18.4 T | G 691 | /1993e | 1994 04 06.42601 | 14 33 58.89 | -15 35 43.3 | 19.7 T | F 691 |
| /1993e | 1994 04 05.46869 | 14 34 18.07 | -15 38 09.5 | 19.0 T | H 691 | /1993e | 1994 04 06.42601 | 14 33 58.24 | -15 35 50.8 | 18.3 T | G 691 |
| /1993e | 1994 04 05.46869 | 14 34 16.27 | -15 38 23.6 | 18.6 T | K 691 | /1993e | 1994 04 06.42601 | 14 33 56.77 | -15 36 01.9 | 19.0 T | H 691 |
| /1993e | 1994 04 05.46869 | 14 34 14.79 | -15 38 34.7 | 19.1 T | L 691 | /1993e | 1994 04 06.42601 | 14 33 54.94 | -15 36 16.1 | 18.6 T | K 691 |
| /1993e | 1994 04 05.46869 | 14 34 13.17 | -15 38 44.4 | 21.1 T | N 691 | /1993e | 1994 04 06.42601 | 14 33 53.47 | -15 36 27.2 | 19.2 T | L 691 |
| /1993e | 1994 04 05.46869 | 14 34 12.41 | -15 38 48.7 | | P 691 | /1993e | 1994 04 06.42601 | 14 33 51.05 | -15 36 40.9 | 20 T | P 691 |
| /1993e | 1994 04 05.46869 | 14 34 12.12 | -15 38 55.2 | 18.2 T | Q 691 | /1993e | 1994 04 06.42601 | 14 33 50.78 | -15 36 47.5 | 18.2 T | Q 691 |
| /1993e | 1994 04 05.46869 | 14 34 10.98 | -15 39 04.2 | 19.5 T | R 691 | /1993e | 1994 04 06.42601 | 14 33 49.64 | -15 36 56.5 | 19.4 T | R 691 |
| | | | | | | /1993e | 1994 04 06.42601 | 14 33 48.44 | -15 37 05.8 | 19.1 T | S 691 |

| | | | | | | | | | | | | | | | |
|--------|------------------|-------------|-------------|------|---|---|-----|--------|------------------|-------------|-------------|------|---|---|-----|
| /1993e | 1994 04 06.42601 | 14 33 46.71 | -15 37 18.1 | 21 | T | V | 691 | /1993e | 1994 04 06.44502 | 14 34 02.19 | -15 35 13.7 | 21.2 | T | A | 691 |
| /1993e | 1994 04 06.42601 | 14 33 46.40 | -15 37 21.7 | 19.6 | T | W | 691 | /1993e | 1994 04 06.44502 | 14 34 01.19 | -15 35 19.8 | | | B | 691 |
| /1993e | 1994 04 06.43067 | 14 34 02.53 | -15 35 16.1 | 21.3 | T | A | 691 | /1993e | 1994 04 06.44502 | 14 34 00.84 | -15 35 24.9 | 20.7 | T | C | 691 |
| /1993e | 1994 04 06.43067 | 14 34 01.55 | -15 35 21.9 | 20.5 | T | B | 691 | /1993e | 1994 04 06.44502 | 14 34 00.20 | -15 35 28.8 | | | D | 691 |
| /1993e | 1994 04 06.43067 | 14 34 01.15 | -15 35 26.3 | 20.5 | T | C | 691 | /1993e | 1994 04 06.44502 | 14 33 59.81 | -15 35 32.1 | 19.6 | T | E | 691 |
| /1993e | 1994 04 06.43067 | 14 34 00.57 | -15 35 30.4 | 21 | T | D | 691 | /1993e | 1994 04 06.44502 | 14 33 58.48 | -15 35 40.4 | 20.1 | T | F | 691 |
| /1993e | 1994 04 06.43067 | 14 34 00.16 | -15 35 33.9 | 19.5 | T | E | 691 | /1993e | 1994 04 06.44502 | 14 33 57.82 | -15 35 48.1 | 18.6 | T | G | 691 |
| /1993e | 1994 04 06.43067 | 14 33 58.80 | -15 35 42.3 | 19.9 | T | F | 691 | /1993e | 1994 04 06.44502 | 14 33 56.32 | -15 35 59.4 | 19.0 | T | H | 691 |
| /1993e | 1994 04 06.43067 | 14 33 58.18 | -15 35 50.3 | 18.6 | T | G | 691 | /1993e | 1994 04 06.44502 | 14 33 54.50 | -15 36 13.4 | 18.8 | T | K | 691 |
| /1993e | 1994 04 06.43067 | 14 33 56.65 | -15 36 01.1 | 19.0 | T | H | 691 | /1993e | 1994 04 06.44502 | 14 33 53.04 | -15 36 24.7 | 19.2 | T | L | 691 |
| /1993e | 1994 04 06.43067 | 14 33 54.84 | -15 36 15.4 | 18.7 | T | K | 691 | /1993e | 1994 04 06.44502 | 14 33 51.41 | -15 36 35.2 | 21.5 | T | N | 691 |
| /1993e | 1994 04 06.43067 | 14 33 53.36 | -15 36 26.5 | 19.1 | T | L | 691 | /1993e | 1994 04 06.44502 | 14 33 50.61 | -15 36 38.1 | | | P | 691 |
| /1993e | 1994 04 06.43067 | 14 33 51.76 | -15 36 36.8 | 20.7 | T | N | 691 | /1993e | 1994 04 06.44502 | 14 33 50.34 | -15 36 44.8 | 18.3 | T | Q | 691 |
| /1993e | 1994 04 06.43067 | 14 33 50.92 | -15 36 40.0 | 20 | T | P | 691 | /1993e | 1994 04 06.44502 | 14 33 49.20 | -15 36 54.0 | 19.7 | T | R | 691 |
| /1993e | 1994 04 06.43067 | 14 33 50.67 | -15 36 46.7 | 18.2 | T | Q | 691 | /1993e | 1994 04 06.44502 | 14 33 48.00 | -15 37 03.1 | 19.1 | T | S | 691 |
| /1993e | 1994 04 06.43067 | 14 33 49.55 | -15 36 55.9 | 19.6 | T | R | 691 | /1993e | 1994 04 06.44502 | 14 33 46.32 | -15 37 14.3 | | | V | 691 |
| /1993e | 1994 04 06.43067 | 14 33 48.34 | -15 37 05.0 | 19.2 | T | S | 691 | /1993e | 1994 04 06.44502 | 14 33 45.97 | -15 37 19.0 | 20.1 | T | W | 691 |
| /1993e | 1994 04 06.43067 | 14 33 46.55 | -15 37 16.8 | 21 | T | V | 691 | /1993e | 1994 04 08.33410 | 14 33 16.85 | -15 31 11.7 | | | E | 711 |
| /1993e | 1994 04 06.43067 | 14 33 46.31 | -15 37 21.0 | 19.7 | T | W | 691 | /1993e | 1994 04 08.33410 | 14 33 14.81 | -15 31 27.6 | | | G | 711 |
| /1993e | 1994 04 06.43528 | 14 34 02.41 | -15 35 14.7 | 20.9 | T | A | 691 | /1993e | 1994 04 08.33410 | 14 33 13.28 | -15 31 39.3 | | | H | 711 |
| /1993e | 1994 04 06.43528 | 14 34 01.41 | -15 35 21.0 | 20.5 | T | B | 691 | /1993e | 1994 04 08.33410 | 14 33 11.45 | -15 31 53.4 | | | K | 711 |
| /1993e | 1994 04 06.43528 | 14 34 00.45 | -15 35 30.0 | 20 | T | D | 691 | /1993e | 1994 04 08.33410 | 14 33 09.91 | -15 32 04.9 | | | L | 711 |
| /1993e | 1994 04 06.43528 | 14 34 00.08 | -15 35 33.4 | 19.6 | T | E | 691 | /1993e | 1994 04 08.33410 | 14 33 07.19 | -15 32 25.5 | | | Q | 711 |
| /1993e | 1994 04 06.43528 | 14 33 58.71 | -15 35 41.8 | 20.1 | T | F | 691 | /1993e | 1994 04 08.33410 | 14 33 06.05 | -15 32 34.7 | | | R | 711 |
| /1993e | 1994 04 06.43528 | 14 33 58.03 | -15 35 49.5 | 18.6 | T | G | 691 | /1993e | 1994 04 08.33410 | 14 33 04.80 | -15 32 43.8 | | | S | 711 |
| /1993e | 1994 04 06.43528 | 14 33 56.55 | -15 36 00.5 | 19.0 | T | H | 691 | /1993e | 1994 04 08.45733 | 14 33 16.15 | -15 30 36.8 | 20.9 | T | A | 691 |
| /1993e | 1994 04 06.43528 | 14 33 54.73 | -15 36 14.7 | 18.7 | T | K | 691 | /1993e | 1994 04 08.45733 | 14 33 15.14 | -15 30 42.3 | 20.5 | T | B | 691 |
| /1993e | 1994 04 06.43528 | 14 33 53.25 | -15 36 26.0 | 19.0 | T | L | 691 | /1993e | 1994 04 08.45733 | 14 33 14.78 | -15 30 47.1 | 20.4 | T | C | 691 |
| /1993e | 1994 04 06.43528 | 14 33 51.66 | -15 36 35.7 | 21 | T | N | 691 | /1993e | 1994 04 08.45733 | 14 33 14.05 | -15 30 51.2 | | | D | 691 |
| /1993e | 1994 04 06.43528 | 14 33 50.83 | -15 36 39.3 | 19 | T | P | 691 | /1993e | 1994 04 08.45733 | 14 33 13.76 | -15 30 55.0 | 19.5 | T | E | 691 |
| /1993e | 1994 04 06.43528 | 14 33 50.57 | -15 36 46.2 | 18.2 | T | Q | 691 | /1993e | 1994 04 08.45733 | 14 33 12.36 | -15 31 03.1 | 19.9 | T | F | 691 |
| /1993e | 1994 04 06.43528 | 14 33 49.42 | -15 36 55.5 | 19.6 | T | R | 691 | /1993e | 1994 04 08.45733 | 14 33 11.70 | -15 31 10.9 | 18.4 | T | G | 691 |
| /1993e | 1994 04 06.43528 | 14 33 48.22 | -15 37 04.5 | 19.1 | T | S | 691 | /1993e | 1994 04 08.45733 | 14 33 10.17 | -15 31 22.3 | 18.9 | T | H | 691 |
| /1993e | 1994 04 06.43528 | 14 33 46.42 | -15 37 15.5 | 21 | T | V | 691 | /1993e | 1994 04 08.45733 | 14 33 08.32 | -15 31 36.7 | 18.5 | T | K | 691 |
| /1993e | 1994 04 06.43528 | 14 33 46.19 | -15 37 20.4 | 19.7 | T | W | 691 | /1993e | 1994 04 08.45733 | 14 33 06.78 | -15 31 47.9 | 19.0 | T | L | 691 |
| /1993e | 1994 04 06.44021 | 14 34 02.31 | -15 35 14.4 | 21.4 | T | A | 691 | /1993e | 1994 04 08.45733 | 14 33 05.12 | -15 31 58.5 | 21.0 | T | N | 691 |
| /1993e | 1994 04 06.44021 | 14 34 01.30 | -15 35 20.4 | 20.2 | T | B | 691 | /1993e | 1994 04 08.45733 | 14 33 04.36 | -15 32 01.7 | | | P | 691 |
| /1993e | 1994 04 06.44021 | 14 34 00.86 | -15 35 25.3 | 20.2 | T | C | 691 | /1993e | 1994 04 08.45733 | 14 33 04.07 | -15 32 08.4 | 18.1 | T | Q | 691 |
| /1993e | 1994 04 06.44021 | 14 34 00.33 | -15 35 29.6 | | | D | 691 | /1993e | 1994 04 08.45733 | 14 33 02.91 | -15 32 17.8 | 19.5 | T | R | 691 |
| /1993e | 1994 04 06.44021 | 14 33 59.95 | -15 35 32.3 | 19.8 | T | E | 691 | /1993e | 1994 04 08.45733 | 14 33 01.68 | -15 32 26.9 | 19.1 | T | S | 691 |
| /1993e | 1994 04 06.44021 | 14 33 58.58 | -15 35 41.2 | 20.1 | T | F | 691 | /1993e | 1994 04 08.45733 | 14 33 00.70 | -15 32 32.3 | 22 | T | U | 691 |
| /1993e | 1994 04 06.44021 | 14 33 57.93 | -15 35 48.7 | 18.7 | T | G | 691 | /1993e | 1994 04 08.45733 | 14 32 59.93 | -15 32 38.3 | | | V | 691 |
| /1993e | 1994 04 06.44021 | 14 33 56.43 | -15 35 59.8 | 19.1 | T | H | 691 | /1993e | 1994 04 08.46197 | 14 33 16.04 | -15 30 35.4 | 20.9 | T | A | 691 |
| /1993e | 1994 04 06.44021 | 14 33 54.61 | -15 36 14.1 | 18.8 | T | K | 691 | /1993e | 1994 04 08.46197 | 14 33 15.05 | -15 30 41.6 | 20.7 | T | B | 691 |
| /1993e | 1994 04 06.44021 | 14 33 53.14 | -15 36 25.2 | 19.3 | T | L | 691 | /1993e | 1994 04 08.46197 | 14 33 14.67 | -15 30 46.3 | 20.9 | T | C | 691 |
| /1993e | 1994 04 06.44021 | 14 33 51.53 | -15 36 35.4 | 21.2 | T | N | 691 | /1993e | 1994 04 08.46197 | 14 33 14.02 | -15 30 50.6 | | | D | 691 |
| /1993e | 1994 04 06.44021 | 14 33 50.73 | -15 36 38.8 | 19.7 | T | P | 691 | /1993e | 1994 04 08.46197 | 14 33 13.64 | -15 30 54.2 | 19.4 | T | E | 691 |
| /1993e | 1994 04 06.44021 | 14 33 50.46 | -15 36 45.6 | 18.4 | T | Q | 691 | /1993e | 1994 04 08.46197 | 14 33 12.25 | -15 31 02.3 | 19.9 | T | F | 691 |
| /1993e | 1994 04 06.44021 | 14 33 49.31 | -15 36 54.8 | 19.7 | T | R | 691 | /1993e | 1994 04 08.46197 | 14 33 11.59 | -15 31 10.3 | 18.4 | T | G | 691 |
| /1993e | 1994 04 06.44021 | 14 33 48.10 | -15 37 03.7 | 19.3 | T | S | 691 | /1993e | 1994 04 08.46197 | 14 33 10.06 | -15 31 21.6 | 18.9 | T | H | 691 |
| /1993e | 1994 04 06.44021 | 14 33 46.36 | -15 37 15.1 | | | V | 691 | /1993e | 1994 04 08.46197 | 14 33 08.21 | -15 31 36.0 | 18.6 | T | K | 691 |
| /1993e | 1994 04 06.44021 | 14 33 46.08 | -15 37 19.8 | 20.0 | T | W | 691 | /1993e | 1994 04 08.46197 | 14 33 06.69 | -15 31 47.2 | 18.9 | T | L | 691 |

| | | | | | | | | | | |
|--------|------------------|-------------|-------------|--------|-------|-------------------------------------|------------------|-------------|-------------|--------------|
| /1993e | 1994 04 08.46197 | 14 33 05.05 | -15 31 57.3 | 20.8 T | N 691 | /1993e | 1994 04 20.21196 | 14 28 17.09 | -15 01 12.6 | G 711 |
| /1993e | 1994 04 08.46197 | 14 33 04.23 | -15 32 01.3 | | P 691 | /1993e | 1994 04 20.21196 | 14 28 15.44 | -15 01 24.5 | H 711 |
| /1993e | 1994 04 08.46197 | 14 33 03.95 | -15 32 07.7 | 18.1 T | Q 691 | /1993e | 1994 04 20.21196 | 14 28 13.30 | -15 01 40.2 | K 711 |
| /1993e | 1994 04 08.46197 | 14 33 02.80 | -15 32 17.2 | 19.4 T | R 691 | /1993e | 1994 04 20.21196 | 14 28 08.73 | -15 02 14.5 | Q 711 |
| /1993e | 1994 04 08.46197 | 14 33 01.56 | -15 32 26.3 | 19.3 T | S 691 | /1993e | 1994 04 20.21196 | 14 28 07.41 | -15 02 24.6 | R 711 |
| /1993e | 1994 04 08.46197 | 14 33 00.59 | -15 32 31.6 | | U 691 | /1993e | 1994 04 20.21196 | 14 28 06.10 | -15 02 34.1 | S 711 |
| /1993e | 1994 04 08.46197 | 14 32 59.67 | -15 32 37.9 | | V 691 | /1993e | 1994 04 20.22126 | 14 28 17.46 | -15 01 02.1 | F 711 |
| /1993e | 1994 04 08.46647 | 14 33 15.93 | -15 30 35.2 | 20.7 T | A 691 | /1993e | 1994 04 20.22126 | 14 28 16.83 | -15 01 10.9 | G 711 |
| /1993e | 1994 04 08.46647 | 14 33 14.94 | -15 30 40.9 | 20.7 T | B 691 | /1993e | 1994 04 20.22126 | 14 28 15.19 | -15 01 23.6 | H 711 |
| /1993e | 1994 04 08.46647 | 14 33 14.55 | -15 30 45.6 | 20.7 T | C 691 | /1993e | 1994 04 20.22126 | 14 28 13.13 | -15 01 38.9 | K 711 |
| /1993e | 1994 04 08.46647 | 14 33 13.85 | -15 30 51.1 | | D 691 | /1993e | 1994 04 20.22126 | 14 28 11.51 | -15 01 51.3 | L 711 |
| /1993e | 1994 04 08.46647 | 14 33 13.54 | -15 30 53.5 | 19.5 T | E 691 | /1993e | 1994 04 20.22126 | 14 28 08.50 | -15 02 13.5 | Q 711 |
| /1993e | 1994 04 08.46647 | 14 33 12.14 | -15 31 01.9 | 19.8 T | F 691 | /1993e | 1994 04 20.22126 | 14 28 05.77 | -15 02 33.7 | S 711 |
| /1993e | 1994 04 08.46647 | 14 33 11.49 | -15 31 09.7 | 18.4 T | G 691 | /1993e | 1994 04 20.22126 | 14 28 03.61 | -15 02 50.8 | W 711 |
| /1993e | 1994 04 08.46647 | 14 33 09.96 | -15 31 20.9 | 19.0 T | H 691 | /1993e | 1994 04 20.23040 | 14 28 16.58 | -15 01 09.6 | G 711 |
| /1993e | 1994 04 08.46647 | 14 33 08.09 | -15 31 35.4 | 18.6 T | K 691 | /1993e | 1994 04 20.23040 | 14 28 14.83 | -15 01 21.9 | H 711 |
| /1993e | 1994 04 08.46647 | 14 33 06.60 | -15 31 46.6 | 18.9 T | L 691 | /1993e | 1994 04 20.23040 | 14 28 12.88 | -15 01 37.8 | K 711 |
| /1993e | 1994 04 08.46647 | 14 33 04.88 | -15 31 56.6 | 20.8 T | N 691 | /1993e | 1994 04 20.23040 | 14 28 11.32 | -15 01 48.0 | L 711 |
| /1993e | 1994 04 08.46647 | 14 33 04.09 | -15 32 00.4 | | P 691 | /1993e | 1994 04 20.23040 | 14 28 08.22 | -15 02 11.7 | Q 711 |
| /1993e | 1994 04 08.46647 | 14 33 03.85 | -15 32 07.1 | 18.1 T | Q 691 | /1993e | 1994 04 20.23040 | 14 28 06.89 | -15 02 21.7 | R 711 |
| /1993e | 1994 04 08.46647 | 14 33 02.69 | -15 32 16.4 | 19.6 T | R 691 | /1993e | 1994 04 20.23040 | 14 28 05.58 | -15 02 31.8 | S 711 |
| /1993e | 1994 04 08.46647 | 14 33 01.43 | -15 32 25.8 | | S 691 | /1993e | 1994 04 20.23040 | 14 28 03.22 | -15 02 49.1 | W 711 |
| /1993e | 1994 04 08.46647 | 14 33 00.47 | -15 32 31.0 | | U 691 | /1993e | 1994 04 20.25177 | 14 28 18.19 | -15 00 49.2 | E 711 |
| /1993e | 1994 04 08.46647 | 14 32 59.68 | -15 32 37.5 | | V 691 | /1993e | 1994 04 20.25177 | 14 28 16.02 | -15 01 06.3 | G 711 |
| /1993e | 1994 04 10.30488 | 14 32 28.21 | -15 26 46.4 | | G 711 | /1993e | 1994 04 20.25177 | 14 28 14.29 | -15 01 18.1 | H 711 |
| /1993e | 1994 04 10.30488 | 14 32 26.65 | -15 26 58.0 | | H 711 | /1993e | 1994 04 20.25177 | 14 28 12.28 | -15 01 34.3 | K 711 |
| /1993e | 1994 04 10.30488 | 14 32 24.78 | -15 27 12.5 | | K 711 | /1993e | 1994 04 20.25177 | 14 28 10.61 | -15 01 46.1 | L 711 |
| /1993e | 1994 04 10.30488 | 14 32 20.49 | -15 27 44.8 | | Q 711 | /1993e | 1994 04 20.25177 | 14 28 07.67 | -15 02 08.1 | Q 711 |
| /1993e | 1994 04 10.30488 | 14 32 18.10 | -15 28 03.3 | | S 711 | /1993e | 1994 04 20.25177 | 14 28 06.39 | -15 02 17.9 | R 711 |
| /1993e | 1994 04 13.29432 | 14 31 17.21 | -15 19 06.8 | | E 711 | /1993e | 1994 04 20.25177 | 14 28 05.03 | -15 02 28.3 | S 711 |
| /1993e | 1994 04 13.29432 | 14 31 15.09 | -15 19 23.4 | | G 711 | Periodic Comet Forbes | | | | |
| /1993e | 1994 04 13.29432 | 14 31 13.48 | -15 19 35.5 | | H 711 | /1993f | 1993 04 16.88472 | 22 44 26.99 | -10 36 09.6 | 323 |
| /1993e | 1994 04 13.29432 | 14 31 11.55 | -15 19 49.9 | | K 711 | Comet Shoemaker-Levy (1993h) | | | | |
| /1993e | 1994 04 13.29432 | 14 31 09.81 | -15 20 01.0 | | L 711 | /1993h | 1994 04 10.81111 | 15 59 50.84 | -83 11 23.0 | 323 |
| /1993e | 1994 04 13.29432 | 14 31 07.17 | -15 20 23.4 | | Q 711 | Periodic Comet Hartley 3 | | | | |
| /1993e | 1994 04 13.29432 | 14 31 05.74 | -15 20 31.4 | | R 711 | /1993m | 1994 04 08.43958 | 04 16 51.95 | +25 14 20.6 | 15.3 T 1 360 |
| /1993e | 1994 04 13.29432 | 14 31 04.62 | -15 20 41.8 | | S 711 | /1993m | 1994 04 08.44236 | 04 16 52.32 | +25 14 20.8 | 1 360 |
| /1993e | 1994 04 13.29432 | 14 31 02.46 | -15 20 58.7 | | W 711 | Comet Mueller (1993p) | | | | |
| /1993e | 1994 04 13.72523 | 14 31 04.27 | -15 18 17.9 | 18.7 T | G 360 | /1993p | 1993 11 14.55486 | 23 06 10.91 | +20 47 45.4 | 323 |
| /1993e | 1994 04 13.72523 | 14 31 02.63 | -15 18 30.2 | 19.0 T | H 360 | /1993p | 1994 04 08.47813 | 01 42 21.34 | -42 29 49.6 | 323 |
| /1993e | 1994 04 13.72523 | 14 31 00.72 | -15 18 44.8 | 18.8 T | K 360 | /1993p | 1994 04 09.47743 | 01 47 40.60 | -43 01 03.9 | 323 |
| /1993e | 1994 04 13.72523 | 14 30 59.09 | -15 18 56.3 | 19.1 T | L 360 | /1993p | 1994 04 11.47188 | 01 59 05.03 | -44 03 17.8 | 323 |
| /1993e | 1994 04 13.72523 | 14 30 56.29 | -15 19 17.2 | 18.4 T | Q 360 | Periodic Comet Spitaler | | | | |
| /1993e | 1994 04 13.72523 | 14 30 55.05 | -15 19 28.4 | 19.6 T | R 360 | /1993r | 1994 01 18.14321 | 01 57 31.76 | +17 17 05.7 | 18.4 T 691 |
| /1993e | 1994 04 13.72523 | 14 30 53.76 | -15 19 36.6 | 19.5 T | S 360 | /1993r | 1994 01 18.14973 | 01 57 32.25 | +17 17 08.4 | 691 |
| /1993e | 1994 04 13.73490 | 14 31 04.04 | -15 18 16.1 | | G 360 | /1993r | 1994 01 18.15984 | 01 57 33.00 | +17 17 12.5 | 691 |
| /1993e | 1994 04 13.73490 | 14 31 02.37 | -15 18 28.5 | | H 360 | Periodic Comet Mueller 5 | | | | |
| /1993e | 1994 04 13.73490 | 14 31 00.48 | -15 18 43.2 | | K 360 | /1993s | 1994 03 23.00303 | 06 23 40.53 | +25 47 20.6 | 786 |
| /1993e | 1994 04 13.73490 | 14 30 58.95 | -15 18 55.1 | | L 360 | /1993s | 1994 03 30.01067 | 06 27 10.62 | +25 56 16.6 | 786 |
| /1993e | 1994 04 13.73490 | 14 30 56.05 | -15 19 16.0 | | Q 360 | | | | | |
| /1993e | 1994 04 13.73490 | 14 30 54.87 | -15 19 26.0 | | R 360 | | | | | |
| /1993e | 1994 04 13.73490 | 14 30 53.51 | -15 19 35.4 | | S 360 | | | | | |

| | | | | | | | | | | | |
|---|------------------|-------------|-------------|--------|-------|-------------------------------|------------------|-------------|-------------|--------|-----|
| /1993s | 1994 04 03.49271 | 06 29 46.62 | +26 01 17.6 | 18.8 T | 2 360 | /1993v | 1994 04 06.83718 | 05 03 22.90 | +30 13 34.3 | 10.9 T | 605 |
| /1993s | 1994 04 03.49688 | 06 29 46.64 | +26 01 18.1 | | 2 360 | /1993v | 1994 04 06.84002 | 05 03 23.19 | +30 14 00.4 | | 111 |
| /1993s | 1994 04 13.44983 | 06 36 29.08 | +26 10 30.0 | 19.0 T | 2 360 | /1993v | 1994 04 06.84214 | 05 03 23.71 | +30 14 21.1 | | 111 |
| /1993s | 1994 04 13.45417 | 06 36 29.30 | +26 10 31.3 | | 2 360 | /1993v | 1994 04 06.84476 | 05 03 24.50 | +30 14 43.4 | | 111 |
| Periodic Comet Kushida-Muramatsu | | | | | | | | | | | |
| /1993t | 1994 01 15.59861 | 05 10 20.18 | +22 46 48.0 | 16.5 T | 372 | /1993v | 1994 04 06.84801 | 05 03 25.00 | +30 15 16.1 | | 111 |
| /1993t | 1994 03 02.50625 | 05 22 30.46 | +23 32 55.8 | 17 T | 372 | /1993v | 1994 04 08.84382 | 05 11 24.30 | +35 21 43.6 | 12.5 N | 046 |
| /1993t | 1994 04 03.45995 | 05 57 12.16 | +24 03 58.0 | 17.3 T | 360 | /1993v | 1994 04 08.84593 | 05 11 24.76 | +35 22 02.8 | | 046 |
| /1993t | 1994 04 03.48785 | 05 57 14.28 | +24 03 58.6 | | 360 | /1993v | 1994 04 08.84662 | 05 11 24.93 | +35 22 09.0 | | 046 |
| /1993t | 1994 04 05.15565 | 05 59 26.26 | +24 04 41.5 | 21.4 N | 691 | /1993v | 1994 04 08.84727 | 05 11 25.10 | +35 22 14.8 | | 046 |
| /1993t | 1994 04 05.16359 | 05 59 26.84 | +24 04 42.6 | 16.9 T | 691 | /1993v | 1994 04 08.84918 | 05 11 25.57 | +35 22 32.1 | | 046 |
| /1993t | 1994 04 05.17169 | 05 59 27.53 | +24 04 41.7 | 16.9 T | 691 | /1993v | 1994 04 09.03079 | 05 12 10.69 | +35 49 58.2 | | 816 |
| Comet McNaught-Russell (1993v) | | | | | | | | | | | |
| /1993v | 1994 03 18.43692 | 04 01 09.43 | -13 56 07.6 | | 413 | /1993v | 1994 04 09.03994 | 05 12 12.93 | +35 51 20.3 | | 816 |
| /1993v | 1994 03 18.43913 | 04 01 09.80 | -13 55 54.6 | | 413 | /1993v | 1994 04 09.04200 | 05 12 13.42 | +35 51 38.9 | | 816 |
| /1993v | 1994 03 18.44080 | 04 01 10.06 | -13 55 44.6 | | 413 | /1993v | 1994 04 09.04292 | 05 12 13.65 | +35 51 47.1 | | 816 |
| /1993v | 1994 03 19.44020 | 04 03 55.05 | -12 16 04.0 | | 413 | /1993v | 1994 04 09.44541 | 05 13 54.37 | +36 52 08.0 | | 410 |
| /1993v | 1994 03 19.44286 | 04 03 55.48 | -12 15 47.7 | | 413 | /1993v | 1994 04 09.44954 | 05 13 55.34 | +36 52 44.4 | | 410 |
| /1993v | 1994 03 19.44551 | 04 03 55.92 | -12 15 31.5 | | 413 | /1993v | 1994 04 10.79384 | 05 19 41.59 | +40 10 03.3 | | 046 |
| /1993v | 1994 03 20.40795 | 04 06 37.22 | -10 35 19.7 | | 413 | /1993v | 1994 04 10.79545 | 05 19 42.00 | +40 10 16.9 | | 046 |
| /1993v | 1994 03 20.41031 | 04 06 37.61 | -10 35 04.4 | | 413 | /1993v | 1994 04 10.80335 | 05 19 44.05 | +40 11 24.9 | | 046 |
| /1993v | 1994 03 20.41241 | 04 06 37.97 | -10 34 50.9 | | 413 | /1993v | 1994 04 10.80453 | 05 19 44.38 | +40 11 35.3 | | 046 |
| /1993v | 1994 03 20.42601 | 04 06 40.23 | -10 33 23.7 | | 413 | /1993v | 1994 04 10.80526 | 05 19 44.57 | +40 11 41.4 | | 046 |
| /1993v | 1994 03 20.42848 | 04 06 40.62 | -10 33 08.0 | | 413 | /1993v | 1994 04 11.95706 | 05 24 54.46 | +42 55 08.0 | 11.5 T | 605 |
| /1993v | 1994 03 20.43104 | 04 06 41.05 | -10 32 51.7 | | 413 | /1993v | 1994 04 11.96316 | 05 24 56.00 | +42 55 57.1 | 11.6 T | 605 |
| /1993v | 1994 03 20.43364 | 04 06 41.48 | -10 32 35.2 | | 413 | /1993v | 1994 04 13.43935 | 05 31 52.06 | +46 17 13.9 | | 360 |
| /1993v | 1994 03 21.41723 | 04 09 28.79 | -08 45 57.3 | | 411 | /1993v | 1994 04 13.44167 | 05 31 52.73 | +46 17 32.0 | | 360 |
| /1993v | 1994 03 21.42391 | 04 09 29.92 | -08 45 13.1 | | 411 | /1993v | 1994 04 16.43880 | 05 47 17.59 | +52 33 26.4 | | 411 |
| /1993v | 1994 03 21.42856 | 04 09 30.71 | -08 44 41.4 | | 411 | /1993v | 1994 04 16.44278 | 05 47 18.92 | +52 33 54.2 | | 411 |
| /1993v | 1994 03 27.42117 | 04 27 23.12 | +03 44 45.8 | | 411 | /1993v | 1994 04 16.44611 | 05 47 20.01 | +52 34 18.1 | | 411 |
| /1993v | 1994 03 27.42984 | 04 27 24.75 | +03 45 57.0 | | 411 | /1993v | 1994 04 16.44611 | 05 47 20.01 | +52 34 18.1 | | 411 |
| /1993v | 1994 03 27.43253 | 04 27 25.21 | +03 46 19.2 | | 411 | /1993v | 1994 04 18.82428 | 06 01 06.90 | +56 59 41.4 | 10.7 T | 605 |
| /1993v | 1994 03 29.42687 | 04 33 45.19 | +08 30 57.9 | | 411 | /1993v | 1994 04 18.82781 | 06 01 08.13 | +57 00 02.4 | 11.0 T | 605 |
| /1993v | 1994 03 29.42951 | 04 33 45.57 | +08 31 22.0 | 6.5 T | 372 | /1993v | 1994 04 19.81951 | 06 07 21.75 | +58 42 04.2 | 11.1 T | 605 |
| /1993v | 1994 03 29.43635 | 04 33 46.93 | +08 32 22.4 | | 411 | /1993v | 1994 04 19.82633 | 06 07 24.39 | +58 42 45.1 | 11.1 T | 605 |
| /1993v | 1994 03 29.45674 | 04 33 50.86 | +08 35 21.1 | | 411 | /1993v | 1994 04 21.83264 | 06 21 00.11 | +61 53 32.3 | 14.0 N | 046 |
| /1993v | 1994 03 29.46979 | 04 33 53.26 | +08 37 15.0 | 6.5 T | 372 | /1993v | 1994 04 21.83469 | 06 21 00.97 | +61 53 43.4 | 10.1 T | 046 |
| /1993v | 1994 03 30.81772 | 04 38 18.25 | +11 57 53.5 | 9.8 T | 605 | /1993v | 1994 04 21.83535 | 06 21 01.29 | +61 53 46.9 | | 046 |
| /1993v | 1994 03 30.82115 | 04 38 18.93 | +11 58 24.5 | 10.0 T | 605 | /1993v | 1994 04 23.07950 | 06 30 12.30 | +63 41 56.9 | | 816 |
| /1993v | 1994 03 30.82347 | 04 38 19.37 | +11 58 47.0 | 10.0 T | 605 | /1993v | 1994 04 23.08024 | 06 30 12.65 | +63 42 00.9 | | 816 |
| /1993v | 1994 03 31.43211 | 04 40 20.72 | +13 31 15.4 | | 411 | /1993v | 1994 04 23.08100 | 06 30 13.01 | +63 42 04.7 | | 816 |
| /1993v | 1994 03 31.43715 | 04 40 21.70 | +13 32 01.3 | | 411 | /1993v | 1994 04 23.08100 | 06 30 13.01 | +63 42 04.7 | | 816 |
| /1993v | 1994 03 31.44159 | 04 40 22.64 | +13 32 41.9 | | 411 | /1993v | 1994 04 23.08193 | 06 30 13.36 | +63 42 09.0 | | 816 |
| /1993v | 1994 04 01.38784 | 04 43 34.71 | +15 58 33.7 | | 413 | /1993v | 1994 04 23.82649 | 06 36 01.91 | +64 43 14.1 | | 587 |
| /1993v | 1994 04 01.39007 | 04 43 35.16 | +15 58 54.2 | | 413 | /1993v | 1994 04 23.83303 | 06 36 04.98 | +64 43 45.2 | | 587 |
| /1993v | 1994 04 03.79038 | 04 51 59.90 | +22 14 26.8 | | 587 | /1993v | 1994 04 28.79991 | 07 21 37.07 | +70 23 37.1 | 10.7 T | 540 |
| /1993v | 1994 04 03.81036 | 04 52 04.16 | +22 17 35.7 | | 587 | /1993v | 1994 04 28.80138 | 07 21 37.61 | +70 23 40.6 | 10.9 T | 540 |
| /1993v | 1994 04 04.38596 | 04 54 09.23 | +23 48 47.6 | | 413 | /1993v | 1994 04 28.80251 | 07 21 38.62 | +70 23 46.3 | 10.9 T | 540 |
| /1993v | 1994 04 06.83133 | 05 03 21.67 | +30 12 40.7 | 10.8 T | 605 | /1993v | 1994 04 28.80355 | 07 21 38.88 | +70 23 50.1 | 10.9 T | 540 |
| /1993v | 1994 04 06.83324 | 05 03 21.66 | +30 12 57.2 | | 111 | Periodic Comet Kushida | | | | | |
| /1993v | 1994 04 06.83681 | 05 03 22.47 | +30 13 30.6 | | 111 | /1994a | 1994 02 12.33095 | 09 45 07.34 | +01 30 20.6 | 11.1 T | 693 |
| | | | | | | /1994a | 1994 02 12.34255 | 09 45 07.06 | +01 30 23.1 | | 693 |
| | | | | | | /1994a | 1994 02 12.35733 | 09 45 06.70 | +01 30 26.3 | | 693 |
| | | | | | | /1994a | 1994 03 04.97138 | 09 41 32.83 | +03 09 57.1 | 13.4 T | 605 |
| | | | | | | /1994a | 1994 03 04.98316 | 09 41 32.86 | +03 10 01.7 | 13.3 T | 605 |
| | | | | | | /1994a | 1994 04 05.23745 | 09 55 24.54 | +04 52 10.6 | 14.7 T | 691 |

| | | | | | | | | | | | |
|--------|------------------|-------------|-------------|--------|-----|--------|------------------|-------------|-------------|--------|-----|
| /1994d | 1994 04 19.87392 | 07 09 23.07 | +38 46 22.5 | 15.4 T | 605 | /1994f | 1994 04 17.78831 | 21 21 53.33 | +07 00 48.9 | | 893 |
| /1994d | 1994 04 19.87845 | 07 09 22.20 | +38 46 28.6 | 15.5 T | 605 | /1994f | 1994 04 17.79817 | 21 21 52.99 | +07 01 16.7 | | 897 |
| /1994d | 1994 04 20.83302 | 07 06 33.95 | +39 08 58.4 | 14.8 T | 540 | /1994f | 1994 04 17.79899 | 21 21 52.95 | +07 01 19.0 | | 897 |
| /1994d | 1994 04 20.83597 | 07 06 33.50 | +39 09 05.3 | 15.0 T | 540 | /1994f | 1994 04 17.80164 | 21 21 52.95 | +07 01 26.7 | | 897 |
| /1994d | 1994 04 20.83814 | 07 06 33.24 | +39 09 05.1 | 15.0 T | 540 | /1994f | 1994 04 17.83090 | 21 21 52.18 | +07 02 56.4 | | 323 |
| /1994d | 1994 04 20.84021 | 07 06 32.86 | +39 09 08.0 | 15.1 T | 540 | /1994f | 1994 04 17.85521 | 21 21 51.45 | +07 04 03.5 | | 323 |
| /1994d | 1994 04 28.87417 | 06 46 51.96 | +41 42 03.2 | 15.8 T | 540 | /1994f | 1994 04 18.34568 | 21 21 37.19 | +07 26 54.5 | 12.6 T | 817 |
| /1994d | 1994 04 28.87705 | 06 46 51.48 | +41 42 04.0 | 15.8 T | 540 | /1994f | 1994 04 18.37634 | 21 21 36.20 | +07 28 21.0 | 12.5 T | 817 |
| /1994d | 1994 04 28.87929 | 06 46 51.12 | +41 42 05.7 | 15.8 T | 540 | /1994f | 1994 04 19.75625 | 21 20 52.91 | +08 35 05.4 | | 896 |
| /1994d | 1994 04 28.88156 | 06 46 51.02 | +41 42 09.1 | 15.6 T | 540 | /1994f | 1994 04 19.77431 | 21 20 52.20 | +08 35 56.3 | | 896 |
| /1994d | 1994 05 02.04198 | 06 40 39.13 | +42 29 18.5 | | 786 | /1994f | 1994 04 20.09631 | 21 20 41.32 | +08 51 59.2 | 14.2 N | 046 |
| /1994d | 1994 05 03.07247 | 06 38 46.84 | +42 43 27.6 | | 786 | /1994f | 1994 04 20.09838 | 21 20 41.26 | +08 52 05.3 | | 046 |
| /1994d | 1994 05 03.07589 | 06 38 46.50 | +42 43 29.1 | | 786 | /1994f | 1994 04 20.09947 | 21 20 41.22 | +08 52 08.5 | | 046 |
| | | | | | | /1994f | 1994 04 20.10014 | 21 20 41.20 | +08 52 10.6 | | 046 |
| | | | | | | /1994f | 1994 04 20.10156 | 21 20 41.14 | +08 52 14.7 | 11.9 T | 046 |
| /1994e | 1994 05 02.39735 | 16 08 51.96 | -25 38 53.2 | 20.6 N | 691 | /1994f | 1994 04 20.10363 | 21 20 41.06 | +08 52 21.1 | | 046 |
| /1994e | 1994 05 02.40609 | 16 08 51.59 | -25 38 55.7 | 19.5 T | 691 | /1994f | 1994 04 20.10508 | 21 20 41.02 | +08 52 25.4 | | 557 |
| /1994e | 1994 05 02.41437 | 16 08 51.27 | -25 38 58.0 | 19.3 T | 691 | /1994f | 1994 04 20.10703 | 21 20 40.95 | +08 52 31.2 | | 046 |
| | | | | | | /1994f | 1994 04 20.10715 | 21 20 40.94 | +08 52 31.6 | | 557 |
| | | | | | | /1994f | 1994 04 20.11258 | 21 20 40.75 | +08 52 47.8 | | 557 |
| | | | | | | /1994f | 1994 04 20.11602 | 21 20 40.64 | +08 52 58.1 | | 557 |
| | | | | | | /1994f | 1994 04 20.11929 | 21 20 40.51 | +08 53 08.1 | | 557 |
| | | | | | | /1994f | 1994 04 20.12166 | 21 20 40.43 | +08 53 15.3 | | 557 |
| | | | | | | /1994f | 1994 04 20.50360 | 21 20 27.07 | +09 12 30.0 | | 658 |
| | | | | | | /1994f | 1994 04 20.50509 | 21 20 27.01 | +09 12 34.7 | | 658 |
| | | | | | | /1994f | 1994 04 20.50672 | 21 20 26.95 | +09 12 39.6 | | 658 |
| | | | | | | /1994f | 1994 04 20.77222 | 21 20 17.41 | +09 26 07.9 | | 391 |
| | | | | | | /1994f | 1994 04 20.77847 | 21 20 17.11 | +09 26 28.4 | | 391 |
| | | | | | | /1994f | 1994 04 20.78542 | 21 20 16.81 | +09 26 53.0 | | 391 |
| | | | | | | /1994f | 1994 04 21.08734 | 21 20 05.70 | +09 42 22.1 | 14.2 N | 046 |
| | | | | | | /1994f | 1994 04 21.08926 | 21 20 05.63 | +09 42 28.2 | | 046 |
| | | | | | | /1994f | 1994 04 21.09069 | 21 20 05.58 | +09 42 32.7 | 11.8 T | 046 |
| | | | | | | /1994f | 1994 04 21.09278 | 21 20 05.50 | +09 42 39.2 | | 046 |
| | | | | | | /1994f | 1994 04 21.09612 | 21 20 05.36 | +09 42 49.5 | | 046 |
| | | | | | | /1994f | 1994 04 21.11778 | 21 20 04.51 | +09 43 56.7 | | 557 |
| | | | | | | /1994f | 1994 04 21.11896 | 21 20 04.48 | +09 44 00.2 | | 557 |
| | | | | | | /1994f | 1994 04 21.12087 | 21 20 04.39 | +09 44 06.3 | 11.4 T | 557 |
| | | | | | | /1994f | 1994 04 21.12252 | 21 20 04.33 | +09 44 11.3 | | 557 |
| | | | | | | /1994f | 1994 04 21.73042 | 21 19 40.89 | +10 15 58.9 | | 893 |
| | | | | | | /1994f | 1994 04 21.74134 | 21 19 40.49 | +10 16 33.6 | | 893 |
| | | | | | | /1994f | 1994 04 21.74641 | 21 19 40.28 | +10 16 49.7 | | 893 |
| | | | | | | /1994f | 1994 04 21.75116 | 21 19 40.04 | +10 17 04.6 | | 893 |
| | | | | | | /1994f | 1994 04 21.75556 | 21 19 39.98 | +10 17 19.7 | | 391 |
| | | | | | | /1994f | 1994 04 21.76493 | 21 19 39.54 | +10 17 48.1 | 11 T | 372 |
| | | | | | | /1994f | 1994 04 21.76944 | 21 19 39.42 | +10 18 02.4 | | 391 |
| | | | | | | /1994f | 1994 04 21.78194 | 21 19 38.88 | +10 18 43.5 | | 391 |
| | | | | | | /1994f | 1994 04 21.79677 | 21 19 38.30 | +10 19 29.5 | | 372 |
| | | | | | | /1994f | 1994 04 22.06547 | 21 19 27.48 | +10 33 46.0 | 13.4 N | 046 |
| | | | | | | /1994f | 1994 04 22.06620 | 21 19 27.45 | +10 33 48.4 | 11.8 T | 046 |
| | | | | | | /1994f | 1994 04 22.06693 | 21 19 27.43 | +10 33 50.7 | | 046 |
| | | | | | | /1994f | 1994 04 22.06758 | 21 19 27.40 | +10 33 52.9 | | 046 |
| | | | | | | /1994f | 1994 04 22.06956 | 21 19 27.31 | +10 33 59.1 | | 046 |

Periodic Comet Russell 2

Comet Takamizawa-Levy (1994f)

| | | | | | |
|----------------------------------|------------------|-------------|-------------|--------|-----|
| /1994f | 1994 04 23.35144 | 21 18 32.33 | +11 44 01.4 | | 816 |
| /1994f | 1994 04 23.35204 | 21 18 32.31 | +11 44 03.5 | | 816 |
| /1994f | 1994 04 23.35350 | 21 18 32.23 | +11 44 08.1 | | 816 |
| /1994f | 1994 04 23.35417 | 21 18 32.22 | +11 44 10.7 | | 816 |
| /1994f | 1994 04 24.38725 | 21 17 43.52 | +12 42 55.7 | | 292 |
| /1994f | 1994 04 24.38947 | 21 17 43.38 | +12 43 01.7 | | 292 |
| /1994f | 1994 04 25.74101 | 21 16 33.47 | +14 03 09.2 | | 893 |
| /1994f | 1994 04 25.74457 | 21 16 33.25 | +14 03 22.6 | | 893 |
| /1994f | 1994 04 25.75142 | 21 16 32.78 | +14 03 47.2 | | 893 |
| /1994f | 1994 04 25.75561 | 21 16 32.56 | +14 04 02.7 | | 893 |
| Periodic Comet Harrington | | | | | |
| /1994g | 1994 05 01.45720 | 21 36 12.17 | -12 57 49.5 | | 691 |
| /1994g | 1994 05 01.46463 | 21 36 13.12 | -12 57 45.7 | | 691 |
| /1994g | 1994 05 01.47174 | 21 36 14.18 | -12 57 43.5 | 18.5 T | 691 |
| /1994g | 1994 05 02.45155 | 21 38 26.43 | -12 50 21.0 | 18.6 T | 691 |
| /1994g | 1994 05 02.45590 | 21 38 27.05 | -12 50 18.3 | | 691 |
| /1994g | 1994 05 02.45924 | 21 38 27.53 | -12 50 16.1 | | 691 |
| /1994g | 1994 05 02.46528 | 21 38 28.27 | -12 50 13.7 | | 691 |
| Periodic Comet Maury | | | | | |
| /1994h | 1994 05 03.45755 | 22 42 42.23 | -00 54 19.6 | | 691 |
| /1994h | 1994 05 03.46074 | 22 42 42.64 | -00 54 17.7 | 17.9 T | 691 |
| /1994h | 1994 05 03.46549 | 22 42 43.15 | -00 54 14.6 | | 691 |
| /1994h | 1994 05 03.46889 | 22 42 43.62 | -00 54 12.8 | | 691 |
| /1994h | 1994 05 04.46252 | 22 44 37.28 | -00 44 29.1 | 17.7 T | 691 |
| /1994h | 1994 05 04.46623 | 22 44 37.68 | -00 44 26.7 | | 691 |
| /1994h | 1994 05 04.46935 | 22 44 38.04 | -00 44 24.9 | | 691 |

1: bad seeing. 2: faint image. 3: poor image. 4: trailed image. 5: poor distribution of reference stars. 6: involved with star. A–W: various nuclei, counted east-west, in the notation of Sekanina *et al.* (1993, submitted to *Astron. J.*), correlating with that of Jewitt *et al.* (1993, *Bull. Am. Astron. Soc.* 25, 1042) as A = 21, B = 20, C = 19, D = 18, E = 17, F = 16, G = 15, H = 14, K = 12, L = 11, N = 9, P = P_{2a} = 8 = 8b₁, Q = Q₁ = 7 = 7a, R = 6, S = 5, T = 4, U = 3, V = 2, W = 1 (the subscripted and suffixed designations referring to members of nuclear pairs not separable in the 1993 March–July data). The 1994 Mar. 30 data for observatory code 500 were derived from the differential measures provided by the observer and orbits determined for nuclei Q and R.

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
- 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, Royal Observatory, B-1180 Brussels, Belgium
 C. Pollas, Observatoire de la Côte d'Azur, Avenue Copernic, F-06130 Grasse, France

Observer C. Pollas

Measurer E. W. Elst

0.9-m Schmidt telescope

| | | | | | |
|----------------------|--------------------|-------------|-------------|------|-----|
| 1991 RK ₅ | 1994 02 16.02222 | 11 26 56.83 | +12 14 12.0 | 18.4 | 010 |
| 1991 RK ₅ | 1994 02 16.03750 | 11 26 56.17 | +12 14 15.1 | | 010 |
| 1992 UA ₃ | 1994 02 16.02222 | 11 24 10.76 | +09 41 54.9 | 18.5 | 010 |
| 1992 UA ₃ | 1994 02 16.03750 | 11 24 10.07 | +09 41 58.8 | | 010 |
| 1992 UR ₉ | * 1992 10 23.00139 | 02 02 31.60 | +08 46 14.8 | 18.4 | 010 |
| 1992 UR ₉ | 1992 10 23.02222 | 02 02 30.12 | +08 46 10.3 | | 010 |
| 2285 T-2 | 1994 02 16.02222 | 11 22 46.55 | +11 28 49.8 | 18.5 | 010 |
| 2285 T-2 | 1994 02 16.03750 | 11 22 45.88 | +11 28 53.3 | | 010 |

012 Uccle

T. Pauwels, Observatoire Royal de Belgique, Avenue Circulaire 3, B-1180 Brussels, Belgium

Double astrophotograph

| | | | | | |
|-------|------------------|-------------|-------------|--|-------|
| (52) | 1994 04 06.88681 | 08 21 25.22 | +21 32 35.1 | | 012 |
| (52) | 1994 04 06.89375 | 08 21 25.49 | +21 32 33.9 | | 012 |
| (52) | 1994 04 06.91458 | 08 21 26.11 | +21 32 33.4 | | 012 |
| (52) | 1994 04 06.92153 | 08 21 26.35 | +21 32 33.5 | | 012 |
| (181) | 1994 04 06.88681 | 08 16 13.96 | +19 25 16.8 | | r 012 |
| (181) | 1994 04 06.91458 | 08 16 15.16 | +19 25 23.2 | | r 012 |

033 Tautenburg

F. Börngen, Thüringer Landessternwarte, Sternwarte 5, D-07778 Tautenburg,
Germany

1.3-m Schmidt telescope

PPM

| | | | | | |
|----------------------|--------------------|-------------|-------------|------|-----|
| 1994 EU ₇ | * 1994 03 04.94167 | 10 57 55.21 | +02 50 45.5 | 18.6 | 033 |
| 1994 EU ₇ | 1994 03 04.98333 | 10 57 52.42 | +02 50 41.5 | | 033 |

046 Kleř

J. Tichá, Hvězdárna Kleř, CZ-37001 České Budějovice, Czech Republic

Observers J. Tichá, Z. Vávrová, Z. Moravec, M. Tichý

Measurers J. Tichá, Z. Moravec, M. Tichý

0.57-m $f/5.2$ reflector + CCD

GSC

| | | | | | |
|-----------------------|------------------|-------------|-------------|--------|-------|
| 1980 DD ₁ | 1994 04 19.83631 | 11 48 42.04 | +07 35 58.6 | 17.3 V | 046 |
| 1980 DD ₁ | 1994 04 19.83755 | 11 48 41.99 | +07 35 59.0 | | 046 |
| 1980 DD ₁ | 1994 04 19.83866 | 11 48 41.95 | +07 35 58.7 | | 046 |
| 1980 DD ₁ | 1994 04 20.85257 | 11 48 06.80 | +07 34 25.5 | 16.4 V | r 046 |
| 1980 DD ₁ | 1994 04 20.85372 | 11 48 06.77 | +07 34 25.4 | | r 046 |
| 1980 DD ₁ | 1994 04 20.85618 | 11 48 06.68 | +07 34 25.3 | | r 046 |
| 1981 SO | 1994 04 19.97372 | 13 50 57.41 | -18 25 04.8 | 17.3 V | 046 |
| 1981 SO | 1994 04 19.97650 | 13 50 57.26 | -18 25 04.8 | | 046 |
| 1981 SO | 1994 04 19.97760 | 13 50 57.15 | -18 25 04.5 | | 046 |
| 1981 SO | 1994 04 19.97861 | 13 50 57.16 | -18 25 04.1 | | 046 |
| 1981 SO | 1994 04 21.00576 | 13 49 50.86 | -18 21 32.5 | 17.1 V | 046 |
| 1981 SO | 1994 04 21.00851 | 13 49 50.71 | -18 21 32.0 | | 046 |
| 1981 SO | 1994 04 21.00961 | 13 49 50.65 | -18 21 31.0 | | 046 |
| 1982 QG | 1994 04 19.90976 | 12 53 12.71 | -09 22 34.9 | 18.3 V | r 046 |
| 1982 QG | 1994 04 19.91127 | 12 53 12.71 | -09 22 34.9 | | r 046 |
| 1982 QG | 1994 04 19.91250 | 12 53 12.55 | -09 22 34.1 | | r 046 |
| 1982 QG | 1994 04 20.95542 | 12 52 21.20 | -09 17 06.0 | 17.8 V | 046 |
| 1982 QG | 1994 04 20.95885 | 12 52 21.03 | -09 17 04.8 | | 046 |
| 1982 QG | 1994 04 20.96060 | 12 52 20.96 | -09 17 03.8 | | 046 |
| 1982 UD ₂ | 1994 04 19.79720 | 09 03 24.01 | +19 44 48.6 | 18.5 V | F 046 |
| 1982 UD ₂ | 1994 04 19.80127 | 09 03 24.21 | +19 44 48.1 | | F 046 |
| 1982 UD ₂ | 1994 04 19.80347 | 09 03 24.21 | +19 44 47.1 | | F 046 |
| 1986 RK ₁ | 1994 04 19.98843 | 15 30 02.48 | -13 03 05.4 | 18.1 V | 046 |
| 1986 RK ₁ | 1994 04 19.99095 | 15 30 02.38 | -13 03 04.8 | | 046 |
| 1986 RK ₁ | 1994 04 19.99201 | 15 30 02.31 | -13 03 04.7 | | 046 |
| 1986 RK ₁ | 1994 04 21.03816 | 15 29 20.52 | -12 58 52.6 | 18.7 V | 046 |
| 1986 RK ₁ | 1994 04 21.04274 | 15 29 20.33 | -12 58 51.8 | | 046 |
| 1986 RK ₁ | 1994 04 21.04696 | 15 29 20.15 | -12 58 50.6 | | 046 |
| 1989 SF | 1994 04 19.81341 | 11 12 03.38 | +00 57 39.4 | 17.2 V | 046 |
| 1989 SF | 1994 04 19.81597 | 11 12 03.35 | +00 57 39.8 | | 046 |
| 1989 SF | 1994 04 19.81787 | 11 12 03.33 | +00 57 40.2 | | 046 |
| 1989 YS ₆ | 1994 04 19.89156 | 12 32 15.58 | +05 17 38.5 | 17.0 V | 046 |
| 1989 YS ₆ | 1994 04 19.89457 | 12 32 15.41 | +05 17 39.2 | | 046 |
| 1989 YS ₆ | 1994 04 19.89580 | 12 32 15.35 | +05 17 38.9 | | 046 |
| 1989 YS ₆ | 1994 04 20.90002 | 12 31 26.91 | +05 20 59.4 | 17.3 V | 046 |
| 1989 YS ₆ | 1994 04 20.90279 | 12 31 26.77 | +05 20 59.7 | | 046 |
| 1989 YS ₆ | 1994 04 20.90500 | 12 31 26.71 | +05 20 59.8 | | 046 |
| 1991 PO ₁₀ | 1994 04 20.00014 | 15 54 23.70 | -15 18 37.3 | 16.8 V | 046 |

| | | | | | |
|-----------------------|------------------|-------------|-------------|--------|-------|
| 1991 PO ₁₀ | 1994 04 20.00278 | 15 54 23.61 | -15 18 36.3 | | 046 |
| 1991 PO ₁₀ | 1994 04 20.00383 | 15 54 23.57 | -15 18 36.0 | | 046 |
| 1991 PO ₁₀ | 1994 04 21.04963 | 15 53 49.51 | -15 12 34.5 | 17.0 V | 046 |
| 1991 PO ₁₀ | 1994 04 21.05200 | 15 53 49.41 | -15 12 33.7 | | 046 |
| 1991 PO ₁₀ | 1994 04 21.05294 | 15 53 49.40 | -15 12 33.5 | | 046 |
| 1993 FS ₂ | 1993 03 20.89175 | 12 39 27.60 | -03 20 56.7 | 16.0 | E 046 |
| 1993 FS ₂ | 1993 03 20.90616 | 12 39 26.65 | -03 20 46.2 | | E 046 |
| (5894) | 1994 04 19.82576 | 11 28 32.86 | -05 13 21.5 | 16.3 V | 046 |
| (5894) | 1994 04 19.82722 | 11 28 32.79 | -05 13 21.3 | | 046 |
| (5894) | 1994 04 19.82895 | 11 28 32.75 | -05 13 21.2 | | 046 |
| (5894) | 1994 04 20.83698 | 11 28 06.76 | -05 09 54.0 | 16.7 V | 046 |
| (5894) | 1994 04 20.84014 | 11 28 06.69 | -05 09 53.9 | | 046 |
| (5894) | 1994 04 20.84150 | 11 28 06.65 | -05 09 52.9 | | 046 |

104 San Marcello Pistoiese

L. Tesi, Osservatorio di Pian dei Termini, Viale Panoramico 45, I-51028 San
Marcello Pistoiese (PT), Italy

Observers L. Tesi, G. Cattani, A. Boattini, M. Tombelli

0.4-m $f/5$ reflector + CCD

GSC

| | | | | | |
|----------------------|--------------------|-------------|-------------|--|-----|
| 1979 MZ ₂ | 1994 03 17.97118 | 11 15 15.78 | +06 01 22.9 | | 104 |
| 1979 MZ ₂ | 1994 03 17.97604 | 11 15 15.55 | +06 01 24.8 | | 104 |
| 1979 MZ ₂ | 1994 03 17.98125 | 11 15 15.26 | +06 01 26.6 | | 104 |
| 1994 DG | 1994 03 11.86858 | 09 10 54.70 | +15 55 31.1 | | 104 |
| 1994 DG | 1994 03 11.87396 | 09 10 54.53 | +15 55 32.9 | | 104 |
| 1994 DG | 1994 03 11.87928 | 09 10 54.37 | +15 55 33.6 | | 104 |
| 1994 DG | 1994 03 11.88472 | 09 10 54.21 | +15 55 35.7 | | 104 |
| 1994 DG | 1994 03 11.90359 | 09 10 53.60 | +15 55 40.4 | | 104 |
| 1994 DG | 1994 03 11.90903 | 09 10 53.43 | +15 55 42.1 | | 104 |
| 1994 DG | 1994 03 11.91424 | 09 10 53.26 | +15 55 42.8 | | 104 |
| 1994 ET | 1994 03 17.86979 | 09 08 26.71 | +15 48 18.0 | | 104 |
| 1994 ET | 1994 03 17.87431 | 09 08 26.53 | +15 48 17.3 | | 104 |
| 1994 ET | 1994 03 17.88333 | 09 08 26.33 | +15 48 16.1 | | 104 |
| 1994 EF ₂ | 1994 03 30.80660 | 09 44 11.55 | +00 31 08.8 | | 104 |
| 1994 EF ₂ | 1994 03 30.81111 | 09 44 11.69 | +00 31 00.6 | | 104 |
| 1994 EF ₂ | 1994 03 30.81563 | 09 44 11.75 | +00 30 51.5 | | 104 |
| 1994 EF ₂ | 1994 03 30.82361 | 09 44 11.92 | +00 30 33.5 | | 104 |
| 1994 FA ₁ | * 1994 03 17.77986 | 09 08 35.11 | +17 43 11.5 | | 104 |
| 1994 FA ₁ | 1994 03 17.78472 | 09 08 35.06 | +17 43 11.6 | | 104 |
| 1994 FA ₁ | 1994 03 17.78924 | 09 08 34.92 | +17 43 11.7 | | 104 |
| 1994 FA ₁ | 1994 03 17.80347 | 09 08 34.58 | +17 43 11.8 | | 104 |
| 1994 FA ₁ | 1994 03 17.81250 | 09 08 34.39 | +17 43 11.8 | | 104 |
| 1994 FA ₁ | 1994 03 17.82639 | 09 08 34.07 | +17 43 12.1 | | 104 |
| 1994 FA ₁ | 1994 03 18.80973 | 09 08 13.42 | +17 43 56.5 | | 104 |
| 1994 FA ₁ | 1994 03 18.81435 | 09 08 13.30 | +17 43 56.6 | | 104 |
| 1994 FA ₁ | 1994 03 18.81868 | 09 08 13.24 | +17 43 56.7 | | 104 |
| 1994 FA ₁ | 1994 03 18.82326 | 09 08 13.09 | +17 43 56.8 | | 104 |
| 1994 FA ₁ | 1994 03 18.83321 | 09 08 12.91 | +17 43 57.0 | | 104 |

111 Piazzano Observatory, Florence

R. Bettarini, Via Piazzano 5, I-50053 Empoli, Florence, Italy

Observers R. Bettarini, A. Boattini, M. Tombelli

0.20-m $f/10$ Schmidt Cassegrain + CCD
GSC

| | | | | |
|----------------------|------------------|-------------|-------------|-----|
| 1994 BF | 1994 04 06.86993 | 09 08 22.55 | +20 03 25.7 | 111 |
| 1994 BF | 1994 04 06.87540 | 09 08 22.79 | +20 03 24.1 | 111 |
| 1994 BF | 1994 04 06.88283 | 09 08 23.12 | +20 03 24.0 | 111 |
| 1994 BH | 1994 04 06.89833 | 09 17 52.48 | +22 17 40.5 | 111 |
| 1994 BH | 1994 04 06.90776 | 09 17 52.82 | +22 17 38.6 | 111 |
| 1994 BH | 1994 04 06.91962 | 09 17 53.29 | +22 17 36.1 | 111 |
| 1994 EY ₁ | 1994 04 06.92608 | 13 12 04.14 | +12 32 06.3 | 111 |
| 1994 EY ₁ | 1994 04 06.93125 | 13 12 03.85 | +12 32 08.2 | 111 |
| 1994 EY ₁ | 1994 04 06.93403 | 13 12 03.66 | +12 32 08.5 | 111 |
| 1994 EY ₁ | 1994 04 06.95357 | 13 12 02.91 | +12 32 13.6 | 111 |
| 1994 EY ₁ | 1994 04 06.95745 | 13 12 02.60 | +12 32 15.5 | 111 |
| 1994 EZ ₁ | 1994 04 06.94410 | 13 16 16.79 | +01 01 35.4 | 111 |
| 1994 EZ ₁ | 1994 04 06.94642 | 13 16 16.64 | +01 01 36.1 | 111 |
| 1994 EZ ₁ | 1994 04 06.94990 | 13 16 16.28 | +01 01 36.7 | 111 |
| 1994 EZ ₁ | 1994 04 06.96108 | 13 16 15.76 | +01 01 38.9 | 111 |
| 1994 EZ ₁ | 1994 04 06.96523 | 13 16 15.55 | +01 01 39.4 | 111 |
| 1994 EF ₃ | 1994 04 06.98150 | 13 17 56.19 | +02 33 33.9 | 111 |
| 1994 EF ₃ | 1994 04 06.98488 | 13 17 56.13 | +02 33 31.7 | 111 |
| 1994 EF ₃ | 1994 04 07.01431 | 13 17 54.63 | +02 33 40.7 | 111 |
| 1994 EF ₃ | 1994 04 07.01983 | 13 17 54.22 | +02 33 45.1 | 111 |
| 1994 EL ₃ | 1994 04 06.97274 | 12 39 55.53 | +05 45 40.1 | 111 |
| 1994 EL ₃ | 1994 04 06.97605 | 12 39 55.31 | +05 45 42.1 | 111 |
| 1994 EL ₃ | 1994 04 07.00115 | 12 39 54.02 | +05 45 56.6 | 111 |
| 1994 EL ₃ | 1994 04 07.00431 | 12 39 53.81 | +05 45 57.4 | 111 |
| 1994 EL ₃ | 1994 04 07.00946 | 12 39 53.47 | +05 46 02.6 | 111 |

292 Burlington

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

0.20-m $f/6.3$ Schmidt-Cassegrain + CCD

| | | | | |
|----------------------|------------------|-------------|-------------|-----|
| GSC | | | | |
| 1948 AF | 1994 04 02.34881 | 12 43 10.62 | +51 13 53.0 | 292 |
| 1948 AF | 1994 04 02.36225 | 12 43 09.80 | +51 13 53.7 | 292 |
| 1987 KB | 1994 04 09.27124 | 12 45 44.87 | -18 56 02.0 | 292 |
| 1987 KB | 1994 04 09.28166 | 12 45 44.08 | -18 55 55.6 | 292 |
| 1989 UU ₁ | 1994 04 03.19491 | 11 36 30.40 | -10 37 56.5 | 292 |
| 1992 UT ₄ | 1994 04 09.32400 | 12 32 44.14 | +04 40 58.1 | 292 |
| 1992 UT ₄ | 1994 04 09.33819 | 12 32 43.41 | +04 40 58.5 | 292 |

303 Mérida

O. A. Naranjo, Dept. de Física, Universidad de los Andes, Mérida 5101, Venezuela

Observer O. A. Naranjo

1.0-m Schmidt

| | | | | | |
|----------------------|--------------------|-------------|-------------|----|-----|
| 1994 EP ₇ | * 1994 03 14.32569 | 14 36 13.19 | -16 35 31.9 | 16 | 303 |
| 1994 EP ₇ | 1994 03 15.30556 | 14 36 03.52 | -16 35 04.0 | 16 | 303 |
| 1994 EP ₇ | 1994 03 16.34618 | 14 35 51.73 | -16 34 28.0 | 16 | 303 |
| 1994 EQ ₇ | * 1994 03 14.32569 | 14 40 20.84 | -16 01 29.1 | 16 | 303 |
| 1994 EQ ₇ | 1994 03 15.30556 | 14 40 55.25 | -16 03 00.4 | 16 | 303 |
| 1994 ER ₇ | * 1994 03 14.32569 | 14 41 48.65 | -14 23 37.2 | 17 | 303 |
| 1994 ER ₇ | 1994 03 15.30556 | 14 41 38.93 | -14 23 04.1 | 17 | 303 |
| 1994 ES ₇ | * 1994 03 14.32569 | 14 47 40.08 | -17 36 16.8 | 16 | 303 |
| 1994 ES ₇ | 1994 03 15.30556 | 14 47 50.02 | -17 32 26.5 | 16 | 303 |

| | | | | | |
|--------|------------------|-------------|-------------|----|-----|
| (761) | 1994 03 14.32569 | 14 39 35.67 | -15 43 16.8 | 15 | 303 |
| (761) | 1994 03 15.30556 | 14 39 25.25 | -15 43 10.0 | 15 | 303 |
| (828) | 1994 03 14.32569 | 14 44 32.95 | -16 38 21.1 | 15 | 303 |
| (828) | 1994 03 15.30556 | 14 44 24.30 | -16 38 07.8 | 15 | 303 |
| (828) | 1994 03 16.34618 | 14 44 13.76 | -16 37 49.4 | 15 | 303 |
| (999) | 1994 03 14.32569 | 14 41 07.30 | -17 20 20.8 | 15 | 303 |
| (999) | 1994 03 15.30556 | 14 40 58.22 | -17 17 38.6 | 15 | 303 |
| (999) | 1994 03 16.34618 | 14 40 46.78 | -17 14 36.9 | 15 | 303 |
| (1325) | 1994 03 14.32569 | 14 41 44.65 | -18 16 14.9 | 16 | 303 |
| (1325) | 1994 03 15.30556 | 14 41 29.36 | -18 17 37.3 | 16 | 303 |
| (1325) | 1994 03 16.34618 | 14 41 11.33 | -18 18 59.9 | 16 | 303 |
| (2395) | 1994 03 14.32569 | 14 39 45.78 | -15 09 11.2 | 16 | 303 |
| (2395) | 1994 03 15.30556 | 14 39 37.61 | -15 08 27.4 | 16 | 303 |
| (2395) | 1994 03 16.34618 | 14 39 27.31 | -15 07 35.0 | 16 | 303 |
| (3110) | 1994 03 14.32569 | 14 31 56.89 | -16 55 37.5 | 16 | 303 |
| (3110) | 1994 03 15.30556 | 14 31 39.77 | -16 55 21.4 | 16 | 303 |
| (3110) | 1994 03 16.34618 | 14 31 19.62 | -16 54 59.0 | 16 | 303 |

323 Perth

A. Vermeer, Perth Observatory, Bickley, WA 6076, Australia

Observers G. Lowe, T. Smith, A. Vermeer

0.3-m astrograph

| | | | | | |
|---------|------------------|-------------|-------------|--|-----|
| 1983 BH | 1994 04 08.55417 | 11 39 54.21 | -11 45 14.7 | | 323 |
| 1991 NP | 1994 04 02.54722 | 11 25 28.20 | -39 40 51.3 | | 323 |
| 1991 NP | 1994 04 04.55208 | 11 23 18.29 | -39 28 23.4 | | 323 |
| 1991 NP | 1994 04 06.55486 | 11 21 14.07 | -39 14 23.3 | | 323 |
| 1991 NP | 1994 04 11.56806 | 11 16 32.72 | -38 33 26.0 | | 323 |
| 1993 VA | 1993 11 14.52083 | 23 55 56.45 | -87 57 07.0 | | 323 |
| (19) | 1993 08 12.64583 | 20 03 19.41 | -17 41 35.7 | | 323 |
| (72) | 1994 04 11.50625 | 11 24 59.12 | -00 10 41.4 | | 323 |
| (96) | 1993 08 20.67292 | 23 10 08.47 | +03 32 45.6 | | 323 |
| (111) | 1994 04 05.65764 | 12 17 28.70 | -09 54 07.3 | | 323 |
| (111) | 1994 04 08.63681 | 12 14 58.03 | -09 38 39.3 | | 323 |
| (433) | 1993 08 12.64583 | 20 02 26.07 | -17 41 19.1 | | 323 |
| (509) | 1993 02 23.73056 | 08 56 57.94 | -04 33 20.8 | | 323 |
| (509) | 1993 03 21.62222 | 08 46 19.38 | -01 39 12.9 | | 323 |
| (616) | 1994 04 08.69375 | 12 59 08.93 | -16 58 19.9 | | 323 |
| (790) | 1994 04 01.50903 | 09 55 42.28 | -15 49 19.4 | | 323 |
| (944) | 1990 11 13.64514 | 00 21 02.67 | +05 03 11.3 | | 323 |
| (945) | 1994 03 31.54514 | 09 32 43.91 | -13 49 15.7 | | 323 |
| (945) | 1994 04 04.50556 | 09 30 39.20 | -13 52 04.6 | | 323 |
| (1036) | 1993 06 14.55417 | 13 09 47.82 | -06 37 23.1 | | 323 |
| (1090) | 1993 01 18.64514 | 06 02 16.41 | -05 31 34.3 | | 323 |
| (1090) | 1993 02 18.52708 | 06 01 52.91 | +05 33 48.6 | | 323 |
| (1092) | 1994 04 05.65764 | 12 17 07.87 | -09 55 46.4 | | 323 |
| (1092) | 1994 04 08.63681 | 12 14 46.18 | -09 41 57.4 | | 323 |
| (1176) | 1994 04 08.69375 | 12 57 28.74 | -16 37 58.1 | | 323 |
| (1197) | 1994 04 08.50208 | 09 57 39.31 | -09 29 20.5 | | 323 |
| (1543) | 1992 07 03.65747 | 18 07 18.56 | -28 12 41.8 | | 323 |
| (1559) | 1994 04 11.50625 | 11 25 34.96 | -00 09 22.4 | | 323 |
| (1584) | 1993 02 18.60764 | 08 56 46.00 | -01 25 26.4 | | 323 |
| (1584) | 1993 02 23.68958 | 08 49 47.94 | -02 21 19.6 | | 323 |
| (1628) | 1993 01 26.65556 | 05 45 04.45 | -03 18 17.4 | | 323 |

| | | | | |
|--------|------------------|-------------|-------------|-----|
| (1628) | 1993 02 23.60833 | 05 44 46.95 | +00 30 38.6 | 323 |
| (1806) | 1994 04 05.65764 | 12 17 42.54 | -09 26 02.8 | 323 |
| (1806) | 1994 04 08.63681 | 12 15 01.78 | -09 04 56.3 | 323 |
| (1816) | 1993 01 16.57153 | 05 17 53.80 | -15 50 05.8 | 323 |
| (1866) | 1993 07 18.90347 | 05 23 14.94 | -25 42 25.5 | 323 |
| (1951) | 1993 01 13.57639 | 08 59 34.40 | -03 52 09.4 | 323 |
| (1951) | 1993 01 20.67222 | 08 47 51.17 | +03 06 27.2 | 323 |
| (2060) | 1994 04 05.53819 | 10 13 12.53 | +04 39 28.2 | 323 |
| (5406) | 1994 04 05.65764 | 12 18 11.93 | -10 01 30.0 | 323 |
| (5406) | 1994 04 08.63681 | 12 15 57.92 | -09 38 16.4 | 323 |
| (5518) | 1994 04 11.65313 | 13 10 36.07 | +07 58 23.3 | 323 |
| (5858) | 1994 04 05.58542 | 11 04 17.37 | -01 54 14.1 | 323 |

360 Kuma Kogen Astronomical Observatory

A. Nakamura, Shimo-Hatanokawa, Kuma-cho, Ehime-Ken, 791-12 Japan
Observer A. Nakamura

0.60-m $f/6.0$ Ritchey-Chrétien + CCD

GSC

| | | | | | |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1994 AE ₂ | 1994 03 30.52917 | 07 43 10.56 | +28 09 47.1 | 17.7 V | 360 |
| 1994 AE ₂ | 1994 03 30.53333 | 07 43 10.71 | +28 09 47.1 | | 360 |
| 1994 AE ₂ | 1994 03 30.53681 | 07 43 10.85 | +28 09 46.9 | | 360 |
| 1994 EQ ₃ | 1994 04 13.48947 | 12 55 48.04 | +02 54 31.9 | 16.0 V | 360 |
| 1994 EQ ₃ | 1994 04 13.49248 | 12 55 47.94 | +02 54 32.5 | | 360 |

372 Geisei

T. Seki, Kamimachi 2-9-35, Kochi, Japan

0.60-m $f/3.5$ reflector

ACRS

| | | | | | |
|----------------------|--------------------|-------------|-------------|------|-----|
| 1977 EF ₁ | 1994 04 07.75243 | 14 07 52.31 | -04 37 30.3 | 17 | 372 |
| 1977 EF ₁ | 1994 04 07.75903 | 14 07 51.89 | -04 37 23.4 | | 372 |
| 1977 EF ₁ | 1994 04 08.70000 | 14 07 15.35 | -04 26 22.0 | 17 | 372 |
| 1977 EF ₁ | 1994 04 12.68229 | 14 04 32.29 | -03 39 33.2 | 16.5 | 372 |
| 1977 EF ₁ | 1994 04 12.69236 | 14 04 31.92 | -03 39 21.3 | | 372 |
| 1981 EU ₈ | 1993 12 22.80660 | 08 44 17.07 | +25 26 33.6 | 17 | 372 |
| 1981 EU ₈ | 1993 12 22.81771 | 08 44 16.73 | +25 26 33.6 | | 372 |
| 1994 EQ ₃ | 1994 04 12.66007 | 12 56 16.30 | +02 51 31.2 | 16.5 | 372 |
| 1994 EQ ₃ | 1994 04 12.67118 | 12 56 15.80 | +02 51 34.2 | | 372 |
| 1994 ET ₇ | * 1994 03 14.66493 | 12 31 56.78 | -00 02 27.5 | 17 | 372 |
| 1994 ET ₇ | 1994 03 14.67535 | 12 31 56.21 | -00 02 24.7 | | 372 |
| 1994 ET ₇ | 1994 03 17.61233 | 12 29 13.48 | +00 12 30.8 | | 372 |
| 1994 GY | 1994 04 17.66250 | 13 30 45.29 | -00 37 47.7 | 17 | 372 |
| (2563) | 1994 03 14.66493 | 12 33 25.75 | -00 27 30.5 | 16 | 372 |
| (2563) | 1994 03 14.67535 | 12 33 25.38 | -00 27 26.4 | | 372 |
| (2563) | 1994 03 17.61233 | 12 31 25.12 | -00 12 45.5 | 16 | 372 |
| (2841) | 1994 04 12.68229 | 14 04 08.02 | -03 28 45.5 | 16 | 372 |
| (2841) | 1994 04 12.69236 | 14 04 07.46 | -03 28 41.9 | | 372 |
| (3716) | 1994 03 14.66493 | 12 31 45.30 | -00 19 06.3 | 17 | 372 |
| (3716) | 1994 03 14.67535 | 12 31 44.95 | -00 18 59.4 | | 372 |

376 Uenohara

N. Kawasato, 3-11-10, Hana-Koganei, Kodaira, Tokyo 187, Japan

0.30-m reflector + CCD

GSC

| | | | | | |
|----------------------|------------------|-------------|-------------|--|-----|
| 1989 AG | 1994 04 02.63490 | 14 34 21.50 | +05 08 09.3 | | 376 |
| 1989 AG | 1994 04 02.64387 | 14 34 21.13 | +05 08 13.4 | | 376 |
| 1989 AG | 1994 04 02.65093 | 14 34 20.85 | +05 08 14.8 | | 376 |
| 1989 AG | 1994 04 05.54306 | 14 32 17.59 | +05 22 10.3 | | 376 |
| 1989 AG | 1994 04 05.55087 | 14 32 17.32 | +05 22 12.6 | | 376 |
| 1989 AG | 1994 04 05.56227 | 14 32 16.82 | +05 22 15.0 | | 376 |
| 1994 EQ ₃ | 1994 04 16.47969 | 12 54 07.43 | +03 04 51.4 | | 376 |
| 1994 EQ ₃ | 1994 04 16.48900 | 12 54 07.08 | +03 04 53.7 | | 376 |
| 1994 EQ ₃ | 1994 04 16.49988 | 12 54 06.59 | +03 04 54.8 | | 376 |

385 Nihondaira Observatory Oohira station

T. Urata, Shiinoki House 203, 28-6, Chuo 3 Chome, Nakano-Ku, Tokyo 164, Japan
0.31-m $f/4.7$ reflector + CCD

GSC

| | | | | | |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1992 YA ₃ | 1994 04 16.62319 | 12 54 02.16 | -19 48 49.7 | 16.3 V | 385 |
| 1992 YA ₃ | 1994 04 16.62955 | 12 54 01.83 | -19 48 46.4 | | 385 |
| 1993 UC | 1994 04 16.71131 | 13 58 49.53 | +60 21 15.3 | 15 V | 385 |
| 1993 UC | 1994 04 16.71455 | 13 58 49.61 | +60 21 04.7 | | 385 |
| 1993 UC | 1994 04 16.71825 | 13 58 49.68 | +60 20 53.2 | | 385 |

391 Sendai Observatory, Ayashi Station

M. Koishikawa, 1-1, Sakuragaoka Koen, Aoba-Ku, 980 Japan

0.30-m $f/3.8$ reflector

GSC

| | | | | | |
|---------|------------------|-------------|-------------|--|-----|
| 1994 GY | 1994 04 16.58681 | 13 31 11.36 | +00 13 57.4 | | 391 |
| 1994 GY | 1994 04 21.66076 | 13 29 11.36 | -04 02 11.3 | | 391 |

399 Kushiro

H. Kaneda, Taiyo MS 2-H, 2 chome 2-15, Kawazoe 8 jo, Minami-ku, Sapporo 005, Japan

Observer S. Ueda

Measurer H. Kaneda

0.25-m $f/3.4$ hyperboloid astrocamera

GSC

| | | | | | |
|----------------------|--------------------|-------------|-------------|------|-----|
| 1982 BP ₂ | 1991 10 28.42951 | 01 34 40.14 | +12 39 44.6 | 17 | 399 |
| 1982 BP ₂ | 1991 10 28.44462 | 01 34 39.25 | +12 39 37.9 | | 399 |
| 1982 BP ₂ | 1991 10 29.44792 | 01 33 43.13 | +12 32 51.0 | 17 | 399 |
| 1982 BP ₂ | 1991 10 29.46424 | 01 33 42.29 | +12 32 46.3 | | 399 |
| 1992 XF | 1994 03 04.55556 | 10 53 12.11 | -09 04 47.6 | 16.5 | 399 |
| 1992 XF | 1994 03 04.57014 | 10 53 11.29 | -09 04 44.7 | | 399 |
| 1992 XF | 1994 03 11.53611 | 10 47 30.51 | -08 39 09.5 | 16.5 | 399 |
| 1992 XF | 1994 03 11.55069 | 10 47 29.64 | -08 39 06.1 | | 399 |
| 1994 GW ₈ | * 1994 04 11.54792 | 12 42 35.04 | -08 47 49.0 | 17 | 399 |
| 1994 GW ₈ | 1994 04 11.56250 | 12 42 34.45 | -08 47 45.0 | | 399 |
| 1994 GW ₈ | 1994 04 13.53403 | 12 41 12.66 | -08 35 23.5 | 16.8 | 399 |
| 1994 GW ₈ | 1994 04 13.54861 | 12 41 12.09 | -08 35 19.9 | | 399 |
| 1994 GX ₈ | * 1994 04 11.54792 | 12 45 24.69 | -07 49 20.8 | 17.3 | 399 |
| 1994 GX ₈ | 1994 04 11.56250 | 12 45 24.05 | -07 49 14.9 | | 399 |
| 1994 GX ₈ | 1994 04 13.53403 | 12 44 09.06 | -07 41 32.4 | 17.2 | 399 |
| 1994 GX ₈ | 1994 04 13.54861 | 12 44 08.40 | -07 41 28.6 | | 399 |
| 1994 GY ₈ | * 1994 04 11.54792 | 12 48 17.96 | -11 19 17.4 | 16.8 | 399 |
| 1994 GY ₈ | 1994 04 11.56250 | 12 48 17.18 | -11 19 15.9 | | 399 |
| 1994 GY ₈ | 1994 04 13.53403 | 12 46 26.75 | -11 13 45.9 | 16.5 | 399 |

| | | | | | | | | | | | |
|--|--------------------|-------------|-------------|------|-----|----------------------|--------------------|-------------|-------------|------|-----|
| 1994 GY ₈ | 1994 04 13.54861 | 12 46 25.81 | -11 13 42.9 | | 399 | 1992 UB ₄ | 1994 04 13.57431 | 13 52 10.24 | -04 58 29.0 | 17 | 400 |
| 1994 GZ ₈ | * 1994 04 11.62292 | 14 03 36.19 | -12 12 48.9 | 17 | 399 | 1992 UB ₄ | 1994 04 13.58958 | 13 52 09.43 | -04 58 28.6 | | 400 |
| 1994 GZ ₈ | 1994 04 11.63889 | 14 03 35.39 | -12 12 47.4 | | 399 | 1992 UQ ₄ | 1994 04 05.56667 | 13 30 06.74 | +02 23 17.7 | 17 | 400 |
| 1994 GZ ₈ | 1994 04 13.60069 | 14 01 46.85 | -12 06 40.9 | 17 | 399 | 1992 UQ ₄ | 1994 04 05.58194 | 13 30 06.10 | +02 23 19.6 | | 400 |
| 1994 GZ ₈ | 1994 04 13.61528 | 14 01 45.97 | -12 06 37.6 | | 399 | 1992 UQ ₄ | 1994 04 08.55556 | 13 27 22.17 | +02 42 55.0 | 16.5 | 400 |
| 1994 GA ₉ | * 1994 04 11.66126 | 12 59 03.05 | +17 56 44.0 | 17 | 399 | 1992 UQ ₄ | 1994 04 08.57014 | 13 27 21.43 | +02 43 00.4 | | 400 |
| 1994 GA ₉ | 1994 04 11.67593 | 12 59 02.23 | +17 56 48.4 | | 399 | 1992 WT | 1994 03 12.56736 | 12 42 14.74 | +06 38 56.2 | 15.8 | 400 |
| 1994 GA ₉ | 1994 04 13.63623 | 12 57 28.74 | +18 04 38.6 | 17 | 399 | 1992 WT | 1994 03 12.58472 | 12 42 13.93 | +06 39 03.4 | | 400 |
| 1994 GA ₉ | 1994 04 13.65104 | 12 57 27.93 | +18 04 43.4 | | 399 | 1992 WT | 1994 03 14.54444 | 12 40 31.25 | +06 49 50.2 | 15.8 | 400 |
| 1994 GB ₉ | * 1994 04 11.57986 | 13 40 10.85 | -07 55 39.1 | 16.5 | 399 | 1992 WT | 1994 03 14.56042 | 12 40 30.31 | +06 49 53.1 | | 400 |
| 1994 GB ₉ | 1994 04 11.59444 | 13 40 10.02 | -07 55 32.9 | | 399 | 1992 WT | 1994 03 18.64306 | 12 36 41.54 | +07 11 54.6 | 15.8 | 400 |
| 1994 GB ₉ | 1994 04 13.56736 | 13 38 27.52 | -07 42 01.9 | 16.3 | 399 | 1992 WT | 1994 03 18.65833 | 12 36 40.42 | +07 11 57.8 | | 400 |
| 1994 GB ₉ | 1994 04 13.58200 | 13 38 26.72 | -07 41 55.2 | | 399 | 1992 WT | 1994 03 30.47153 | 12 24 32.94 | +08 07 10.6 | 15.8 | 400 |
| 1994 GC ₉ | * 1994 04 11.57986 | 13 46 06.03 | -08 04 37.1 | 17 | 399 | 1992 WT | 1994 03 30.48750 | 12 24 32.03 | +08 07 13.7 | | 400 |
| 1994 GC ₉ | 1994 04 11.59444 | 13 46 05.16 | -08 04 22.8 | | 399 | 1992 WT | 1994 04 05.53264 | 12 18 15.47 | +08 27 12.2 | 15.7 | 400 |
| 1994 GC ₉ | 1994 04 13.56736 | 13 44 13.67 | -07 34 44.1 | 17 | 399 | 1992 WT | 1994 04 05.54792 | 12 18 14.53 | +08 27 14.5 | | 400 |
| 1994 GC ₉ | 1994 04 13.58200 | 13 44 12.89 | -07 34 33.9 | | 399 | 1994 CX ₁ | 1994 03 07.52708 | 09 35 47.60 | +08 24 09.6 | 16.8 | 400 |
| 1994 GE ₉ | * 1994 04 11.51528 | 12 00 22.26 | -00 47 29.6 | 17 | 399 | 1994 CX ₁ | 1994 03 07.54306 | 09 35 46.52 | +08 24 09.4 | | 400 |
| 1994 GE ₉ | 1994 04 11.52986 | 12 00 21.53 | -00 47 24.6 | | 399 | 1994 CZ ₁ | 1994 03 07.52708 | 09 40 41.39 | +07 34 48.2 | 16.5 | 400 |
| 1994 GE ₉ | 1994 04 13.50208 | 11 59 09.93 | -00 37 04.6 | 17 | 399 | 1994 CZ ₁ | 1994 03 07.54306 | 09 40 40.82 | +07 34 53.0 | | 400 |
| 1994 GE ₉ | 1994 04 13.51667 | 11 59 09.21 | -00 36 59.7 | | 399 | 1994 CZ ₁ | 1994 03 12.48819 | 09 37 32.38 | +08 05 48.3 | 16.8 | 400 |
| 1994 GF ₉ | 1994 03 12.67014 | 12 31 20.30 | -01 06 50.7 | 16.7 | 399 | 1994 CZ ₁ | 1994 03 12.50556 | 09 37 31.61 | +08 05 55.4 | | 400 |
| 1994 GF ₉ | 1994 03 12.68194 | 12 31 19.81 | -01 06 49.0 | | 399 | 1994 CB ₂ | 1994 03 07.52708 | 09 43 05.88 | +09 24 32.7 | 16.5 | 400 |
| 1994 GF ₉ | * 1994 04 11.51528 | 12 04 46.64 | +00 52 18.4 | 16.5 | 399 | 1994 CB ₂ | 1994 03 07.54306 | 09 43 05.08 | +09 24 35.2 | | 400 |
| 1994 GF ₉ | 1994 04 11.52986 | 12 04 45.83 | +00 52 21.6 | | 399 | 1994 EC ₂ | 1994 03 30.47153 | 12 16 47.00 | +05 43 32.9 | 17 | 400 |
| 1994 GF ₉ | 1994 04 13.50208 | 12 03 16.24 | +00 57 51.8 | 16.7 | 399 | 1994 EC ₂ | 1994 03 30.48750 | 12 16 45.87 | +05 43 29.0 | | 400 |
| 1994 GF ₉ | 1994 04 13.51667 | 12 03 15.40 | +00 57 53.6 | | 399 | 1994 ED ₂ | 1994 04 09.52917 | 12 01 26.28 | -08 10 37.3 | 16.0 | 400 |
| 1994 GG ₉ | * 1994 04 11.57986 | 13 45 35.30 | -05 09 46.8 | 16.8 | 399 | 1994 ED ₂ | 1994 04 09.54375 | 12 01 25.68 | -08 10 33.3 | | 400 |
| 1994 GG ₉ | 1994 04 11.59444 | 13 45 34.49 | -05 09 38.9 | | 399 | 1994 EM ₃ | 1994 04 05.53264 | 12 16 38.13 | +09 15 38.9 | 17 | 400 |
| 1994 GG ₉ | 1994 04 13.56736 | 13 43 53.47 | -04 52 48.0 | 16.8 | 399 | 1994 EM ₃ | 1994 04 05.54792 | 12 16 37.22 | +09 15 40.0 | | 400 |
| 1994 GG ₉ | 1994 04 13.58200 | 13 43 52.60 | -04 52 39.9 | | 399 | 1994 EN ₃ | 1994 04 05.53264 | 12 17 29.63 | +09 18 32.3 | 16.5 | 400 |
| 400 Kitami | | | | | | 1994 EN ₃ | 1994 04 05.54792 | 12 17 28.84 | +09 18 38.5 | | 400 |
| K. Watanabe, 3-8 B-203, Atsubetsu Cyuo 3 Jo 4 Chome, Atsubetsu-ku, Sapporo | | | | | | 1994 EP ₃ | 1994 04 05.49861 | 12 46 34.81 | -00 47 25.1 | 16.0 | 400 |
| 004, Japan | | | | | | 1994 EP ₃ | 1994 04 05.51389 | 12 46 33.65 | -00 47 26.8 | | 400 |
| Observer K. Endate | | | | | | 1994 EQ ₃ | 1994 04 09.50035 | 12 58 06.27 | +02 39 19.1 | 15.8 | 400 |
| Measurer K. Watanabe | | | | | | 1994 EQ ₃ | 1994 04 09.51424 | 12 58 05.85 | +02 39 21.7 | | 400 |
| 0.25-m f/2.6 Schmidt camera | | | | | | 1994 FX | * 1994 03 31.53750 | 13 21 41.96 | -02 59 42.3 | 16.5 | 400 |
| GSC | | | | | | 1994 FX | 1994 03 31.55208 | 13 21 41.33 | -02 59 32.9 | | 400 |
| 1982 RK | 1994 03 31.50833 | 13 03 33.82 | +01 58 12.7 | 16.0 | 400 | 1994 FX | 1994 04 05.56667 | 13 17 19.15 | -02 15 15.8 | 16.5 | 400 |
| 1982 RK | 1994 03 31.52222 | 13 03 32.96 | +01 58 18.0 | | 400 | 1994 FX | 1994 04 05.58194 | 13 17 18.46 | -02 15 10.9 | | 400 |
| 1991 JS ₁ | 1994 03 31.53750 | 13 25 35.64 | -00 46 47.3 | 16.5 | 400 | 1994 FY | * 1994 03 31.53750 | 13 37 54.96 | -00 02 05.8 | 16.5 | 400 |
| 1991 JS ₁ | 1994 03 31.55208 | 13 25 34.74 | -00 46 40.0 | | 400 | 1994 FY | 1994 03 31.55208 | 13 37 54.07 | -00 02 05.0 | | 400 |
| 1991 JS ₁ | 1994 04 05.56667 | 13 20 56.61 | -00 09 22.2 | 16.5 | 400 | 1994 FY | 1994 04 05.56667 | 13 32 33.76 | -00 04 11.2 | 16.5 | 400 |
| 1991 JS ₁ | 1994 04 05.58194 | 13 20 55.68 | -00 09 15.2 | | 400 | 1994 FY | 1994 04 05.58194 | 13 32 32.68 | -00 04 10.5 | | 400 |
| 1991 JS ₁ | 1994 04 08.55556 | 13 18 02.89 | +00 12 24.9 | 16.0 | 400 | 1994 FY | 1994 04 08.55556 | 13 29 14.40 | -00 06 24.1 | 16.5 | 400 |
| 1991 JS ₁ | 1994 04 08.57014 | 13 18 01.87 | +00 12 32.4 | | 400 | 1994 FY | 1994 04 08.57014 | 13 29 13.48 | -00 06 27.4 | | 400 |
| 1992 UU ₂ | 1994 03 31.50833 | 12 58 03.84 | +03 34 49.7 | 17.0 | 400 | 1994 FZ | * 1994 03 31.53750 | 13 45 37.56 | +01 04 28.7 | 16.0 | 400 |
| 1992 UU ₂ | 1994 03 31.52222 | 12 58 02.96 | +03 34 53.7 | | 400 | 1994 FZ | 1994 03 31.55208 | 13 45 36.93 | +01 04 32.8 | | 400 |
| 1992 UB ₄ | 1994 04 05.61389 | 13 59 56.90 | -05 33 59.1 | 16.7 | 400 | 1994 FZ | 1994 04 05.56667 | 13 41 50.63 | +01 33 38.1 | 16.5 | 400 |
| 1992 UB ₄ | 1994 04 05.62986 | 13 59 56.16 | -05 33 55.7 | | 400 | 1994 FZ | 1994 04 05.58194 | 13 41 50.08 | +01 33 39.2 | | 400 |
| 1992 UB ₄ | 1994 04 08.62014 | 13 57 06.19 | -05 20 31.0 | 17 | 400 | 1994 FZ | 1994 04 08.55556 | 13 39 23.59 | +01 49 57.7 | 16.5 | 400 |
| 1992 UB ₄ | 1994 04 08.63681 | 13 57 05.02 | -05 20 28.1 | | 400 | 1994 FZ | 1994 04 08.57014 | 13 39 22.87 | +01 50 02.9 | | 400 |

| | | | | | | | | | | | |
|----------------------|--------------------|-------------|-------------|------|-----|--|--------------------|-------------|-------------|------|-------|
| 1994 GN | 1994 03 18.64306 | 12 39 29.42 | +05 49 41.0 | 16.5 | 400 | 1994 GC ₁ | 1994 04 09.56111 | 13 50 05.85 | -07 51 09.8 | 16.5 | 400 |
| 1994 GN | 1994 03 18.65833 | 12 39 28.64 | +05 49 46.7 | | 400 | 1994 GC ₁ | 1994 04 13.57431 | 13 47 01.99 | -07 35 07.0 | 16.2 | 400 |
| 1994 GN | 1994 03 30.47153 | 12 27 52.16 | +06 57 16.7 | 16.7 | 400 | 1994 GC ₁ | 1994 04 13.58958 | 13 47 01.34 | -07 35 01.3 | | 400 |
| 1994 GN | 1994 03 30.48750 | 12 27 51.23 | +06 57 18.9 | | 400 | 1994 GC ₁ | 1994 04 16.54861 | 13 44 43.52 | -07 23 11.3 | 16.5 | 400 |
| 1994 GN | * 1994 04 05.53264 | 12 21 45.90 | +07 25 11.1 | 16.7 | 400 | 1994 GC ₁ | 1994 04 16.56458 | 13 44 42.74 | -07 23 10.3 | | 400 |
| 1994 GN | 1994 04 05.54792 | 12 21 45.02 | +07 25 15.4 | | 400 | 1994 GD ₁ | * 1994 04 08.58681 | 14 30 00.97 | -01 45 22.3 | 16.8 | 400 |
| 1994 GP | * 1994 04 05.61389 | 13 51 25.12 | -05 21 35.6 | 16.0 | 400 | 1994 GD ₁ | 1994 04 08.60278 | 14 30 00.45 | -01 45 20.8 | | 400 |
| 1994 GP | 1994 04 05.62986 | 13 51 24.36 | -05 21 34.6 | | 400 | 1994 GD ₁ | 1994 04 11.55069 | 14 27 48.82 | -01 43 33.8 | 16.8 | 400 |
| 1994 GP | 1994 04 08.62014 | 13 48 48.36 | -05 18 37.5 | 16.0 | 400 | 1994 GD ₁ | 1994 04 11.56667 | 14 27 48.25 | -01 43 34.1 | | 400 |
| 1994 GP | 1994 04 08.63681 | 13 48 47.40 | -05 18 37.1 | | 400 | 1994 GE ₁ | 1994 04 08.62014 | 13 47 39.44 | -09 41 24.3 | 16.5 | 400 |
| 1994 GP | 1994 04 09.56111 | 13 47 57.93 | -05 17 43.7 | 16.0 | 400 | 1994 GE ₁ | 1994 04 08.63681 | 13 47 38.47 | -09 41 17.9 | | 400 |
| 1994 GP | 1994 04 13.57431 | 13 44 17.66 | -05 14 07.6 | 15.8 | 400 | 1994 GE ₁ | * 1994 04 13.57431 | 13 43 07.36 | -09 09 29.6 | 16.5 | 400 |
| 1994 GP | 1994 04 13.58958 | 13 44 16.75 | -05 14 06.2 | | 400 | 1994 GE ₁ | 1994 04 13.58958 | 13 43 06.47 | -09 09 23.7 | | 400 |
| 1994 GP | 1994 04 16.54861 | 13 41 31.51 | -05 11 52.0 | 15.8 | 400 | 1994 GF ₁ | * 1994 04 08.55556 | 13 29 18.56 | +02 02 12.6 | 16.7 | 400 |
| 1994 GP | 1994 04 16.56458 | 13 41 30.66 | -05 11 51.8 | | 400 | 1994 GF ₁ | 1994 04 08.57014 | 13 29 17.71 | +02 02 17.6 | | 400 |
| 1994 GQ | 1994 04 05.56667 | 13 35 58.66 | -01 34 57.4 | 16.8 | 400 | 1994 GF ₁ | 1994 04 15.50069 | 13 22 59.95 | +02 42 06.5 | 17 | 400 |
| 1994 GQ | 1994 04 05.58194 | 13 35 57.91 | -01 34 55.3 | | 400 | 1994 GF ₁ | 1994 04 15.51701 | 13 22 59.19 | +02 42 10.8 | | 400 |
| 1994 GQ | * 1994 04 08.55556 | 13 33 12.50 | -01 32 35.8 | 16.8 | 400 | 1994 GG ₁ | * 1994 04 13.54097 | 13 55 28.04 | +10 24 08.5 | 16.8 | 400 |
| 1994 GQ | 1994 04 08.57014 | 13 33 11.73 | -01 32 37.5 | | 400 | 1994 GG ₁ | 1994 04 13.55694 | 13 55 27.47 | +10 24 13.8 | | 400 |
| 1994 GR | 1994 04 05.64653 | 14 20 40.06 | -03 12 16.0 | 16.0 | 400 | 1994 GG ₁ | 1994 04 15.50069 | 13 54 01.54 | +10 40 39.4 | 16.8 | 400 |
| 1994 GR | * 1994 04 08.58681 | 14 18 37.08 | -02 56 44.5 | 15.6 | 400 | 1994 GG ₁ | 1994 04 15.51701 | 13 54 00.87 | +10 40 47.3 | | 400 |
| 1994 GR | 1994 04 08.60278 | 14 18 36.38 | -02 56 40.9 | | 400 | 1994 GH ₁ | * 1994 04 15.60000 | 14 54 50.88 | +06 22 29.9 | 16.5 | 400 |
| 1994 GR | 1994 04 11.55069 | 14 16 20.90 | -02 41 19.3 | 16.0 | 400 | 1994 GH ₁ | 1994 04 15.61736 | 14 54 50.45 | +06 22 45.4 | | 400 |
| 1994 GR | 1994 04 11.56667 | 14 16 20.19 | -02 41 14.8 | | 400 | 1994 GH ₁ | 1994 04 16.58333 | 14 54 21.91 | +06 45 19.8 | 16.5 | 400 |
| 1994 GS | 1994 04 05.64653 | 14 35 32.66 | -03 58 43.1 | 16.0 | 400 | 1994 GH ₁ | 1994 04 16.60069 | 14 54 21.39 | +06 45 36.8 | | 400 |
| 1994 GS | * 1994 04 08.58681 | 14 33 26.06 | -03 51 49.2 | 15.8 | 400 | 1994 GJ ₁ | * 1994 04 13.60972 | 14 42 56.67 | -07 56 24.1 | 16.8 | 400 |
| 1994 GS | 1994 04 08.60278 | 14 33 25.30 | -03 51 47.2 | | 400 | 1994 GJ ₁ | 1994 04 13.62569 | 14 42 56.13 | -07 56 18.2 | | 400 |
| 1994 GS | 1994 04 11.55069 | 14 31 02.92 | -03 45 07.8 | 16.0 | 400 | 1994 GJ ₁ | 1994 04 15.63472 | 14 41 15.85 | -07 42 28.8 | 16.8 | 400 |
| 1994 GS | 1994 04 11.56667 | 14 31 01.95 | -03 45 04.8 | | 400 | 1994 GJ ₁ | 1994 04 15.65000 | 14 41 15.17 | -07 42 21.9 | | 400 |
| 1994 GT | * 1994 04 08.62014 | 13 53 28.21 | -07 15 19.1 | 16.8 | 400 | 1994 GN ₁ | * 1994 04 15.60000 | 14 40 08.15 | +01 17 26.0 | 16.5 | 400 |
| 1994 GT | 1994 04 08.63681 | 13 53 27.49 | -07 15 15.5 | | 400 | 1994 GN ₁ | 1994 04 15.61736 | 14 40 07.44 | +01 17 31.3 | | 400 |
| 1994 GT | 1994 04 09.56111 | 13 52 45.19 | -07 12 03.0 | 16.5 | 400 | 1994 GN ₁ | 1994 04 16.58333 | 14 39 27.03 | +01 22 44.4 | 16.5 | 400 |
| 1994 GT | 1994 04 13.57431 | 13 49 37.09 | -06 58 07.0 | 16.5 | 400 | 1994 GN ₁ | 1994 04 16.60069 | 14 39 26.31 | +01 22 49.2 | | 400 |
| 1994 GT | 1994 04 13.58958 | 13 49 36.36 | -06 58 05.2 | | 400 | 1994 GO ₁ | * 1994 04 15.60000 | 14 49 56.18 | +03 30 10.7 | 16.5 | 400 |
| 1994 GT | 1994 04 16.54861 | 13 47 14.63 | -06 47 56.0 | 16.5 | 400 | 1994 GO ₁ | 1994 04 15.61736 | 14 49 55.22 | +03 30 14.8 | | 400 |
| 1994 GT | 1994 04 16.56458 | 13 47 13.87 | -06 47 53.0 | | 400 | 1994 GO ₁ | 1994 04 16.58333 | 14 49 14.06 | +03 38 21.5 | 16.5 | 400 |
| 1994 GU | * 1994 04 08.62014 | 13 58 24.07 | -07 08 02.1 | 16.0 | 400 | 1994 GO ₁ | 1994 04 16.60069 | 14 49 13.55 | +03 38 27.4 | | 400 |
| 1994 GU | 1994 04 08.63681 | 13 58 22.97 | -07 07 58.1 | | 400 | 402 Dynic Astronomical Observatory | | | | | |
| 1994 GU | 1994 04 09.56111 | 13 57 29.49 | -07 04 49.8 | 16.0 | 400 | A. Sugie, Dynic Astronomical Observatory, Taga 270, Taga-Cho, Inukami-Gun, | | | | | |
| 1994 GA ₁ | * 1994 04 05.56667 | 13 36 52.79 | -01 27 11.0 | 16.5 | 400 | Shiga-Ken, 522-03, Japan | | | | | |
| 1994 GA ₁ | 1994 04 05.58194 | 13 36 52.01 | -01 27 06.3 | | 400 | 0.25-m <i>f</i> /3.4 Schmidt | | | | | |
| 1994 GA ₁ | 1994 04 08.55556 | 13 33 58.71 | -01 10 45.0 | 16.5 | 400 | GSC | | | | | |
| 1994 GA ₁ | 1994 04 08.57014 | 13 33 57.99 | -01 10 37.9 | | 400 | 1994 EQ ₃ | 1994 04 14.60347 | 12 55 10.00 | +02 58 29.5 | 16.0 | 402 |
| 1994 GB ₁ | * 1994 04 08.62014 | 13 44 23.65 | -07 22 59.3 | 16.5 | 400 | 1994 EQ ₃ | 1994 04 14.61736 | 12 55 09.42 | +02 58 32.9 | | 402 |
| 1994 GB ₁ | 1994 04 08.63681 | 13 44 22.55 | -07 22 56.3 | | 400 | 1994 GY | * 1994 04 14.53264 | 13 32 00.48 | +01 48 50.7 | 16.0 | N 402 |
| 1994 GB ₁ | 1994 04 09.56111 | 13 43 26.82 | -07 20 37.7 | 16.5 | 400 | 1994 GY | 1994 04 14.54861 | 13 31 59.89 | +01 48 04.9 | | N 402 |
| 1994 GB ₁ | 1994 04 13.57431 | 13 39 15.47 | -07 10 26.7 | 15.8 | 400 | 1994 GY | 1994 04 15.66597 | 13 31 32.61 | +00 57 09.4 | 16.5 | 402 |
| 1994 GB ₁ | 1994 04 13.58958 | 13 39 14.48 | -07 10 26.5 | | 400 | 1994 GY | 1994 04 15.67708 | 13 31 32.20 | +00 56 41.3 | | 402 |
| 1994 GB ₁ | 1994 04 16.54861 | 13 36 03.70 | -07 03 00.2 | 16.2 | 400 | 1994 GY | 1994 04 15.68681 | 13 31 31.95 | +00 56 14.6 | | 402 |
| 1994 GB ₁ | 1994 04 16.56458 | 13 36 02.60 | -07 02 57.7 | | 400 | 1994 GY | 1994 04 15.69861 | 13 31 31.52 | +00 55 41.8 | | 402 |
| 1994 GC ₁ | * 1994 04 08.62014 | 13 50 47.85 | -07 54 55.2 | 16.5 | 400 | 1994 GY | 1994 04 16.59792 | 13 31 11.17 | +00 13 25.0 | 16.5 | 402 |
| 1994 GC ₁ | 1994 04 08.63681 | 13 50 46.80 | -07 54 53.2 | | 400 | 1994 GY | 1994 04 16.61042 | 13 31 10.73 | +00 12 52.8 | | 402 |

408 Nyukasa

K. Watanabe, 3-8 B-203, Atsubetsu Chuo 3 Jo 4 Chome, Atsubetsu-Ku, Sapporo
004, Japan

Observers M. Hirasawa, S. Suzuki

Measurer K. Watanabe

0.30-m $f/2.7$ Schmidt camera

GSC

| | | | | | |
|----------------------|--------------------|-------------|-------------|------|-----|
| 1994 HR ₁ | * 1994 04 16.60000 | 12 31 34.37 | +12 16 18.3 | 16.5 | 408 |
| 1994 HR ₁ | 1994 04 16.61181 | 12 31 33.71 | +12 16 19.9 | | 408 |
| 1994 HR ₁ | 1994 04 17.63160 | 12 30 47.39 | +12 15 41.2 | 16.5 | 408 |
| 1994 HR ₁ | 1994 04 17.64340 | 12 30 46.71 | +12 15 41.2 | | 408 |
| 1994 HS ₁ | * 1994 04 16.64167 | 15 00 38.92 | -19 01 56.9 | 17.2 | 408 |
| 1994 HS ₁ | 1994 04 16.65347 | 15 00 38.28 | -19 01 58.5 | | 408 |
| 1994 HS ₁ | 1994 04 17.67847 | 14 59 48.08 | -19 04 41.2 | 17.2 | 408 |

411 Oizumi

T. Kobayashi, 1717-2 Shimo-Koizumi, Oizumi-machi, Ora-gun, Gunma-ken, 370-05
Japan

0.25-m $f/4.4$ reflector + CCD

GSC

| | | | | | |
|----------------------|------------------|-------------|-------------|--|-----|
| 1982 BS ₁ | 1994 04 05.65554 | 13 58 44.15 | -02 29 53.0 | | 411 |
| 1982 BS ₁ | 1994 04 05.66527 | 13 58 43.67 | -02 29 48.6 | | 411 |
| 1987 SH ₄ | 1994 03 21.56458 | 12 15 18.35 | +05 04 15.3 | | 411 |
| 1987 SH ₄ | 1994 03 21.57119 | 12 15 17.96 | +05 04 16.0 | | 411 |
| 1987 SH ₄ | 1994 03 21.57443 | 12 15 17.70 | +05 04 17.6 | | 411 |
| 1987 SH ₄ | 1994 04 03.52553 | 12 02 44.57 | +05 33 10.2 | | 411 |
| 1987 SH ₄ | 1994 04 03.53233 | 12 02 44.06 | +05 33 10.1 | | 411 |
| 1987 SH ₄ | 1994 04 03.53557 | 12 02 43.88 | +05 33 12.2 | | 411 |
| 1994 AH ₁ | 1994 02 16.50296 | 08 02 29.66 | +15 29 04.1 | | 411 |
| 1994 AH ₁ | 1994 02 16.50619 | 08 02 29.51 | +15 29 04.5 | | 411 |
| 1994 AH ₁ | 1994 02 16.51365 | 08 02 29.20 | +15 29 06.1 | | 411 |
| 1994 CD ₁ | 1994 03 10.53484 | 09 50 09.19 | +22 38 27.7 | | 411 |
| 1994 CD ₁ | 1994 03 10.54196 | 09 50 08.84 | +22 38 29.8 | | 411 |
| 1994 CD ₁ | 1994 03 10.54520 | 09 50 08.70 | +22 38 30.8 | | 411 |
| 1994 CL ₂ | 1994 03 04.52911 | 09 43 39.56 | +17 48 16.0 | | 411 |
| 1994 CL ₂ | 1994 03 04.53568 | 09 43 39.20 | +17 48 17.1 | | 411 |
| 1994 CL ₂ | 1994 03 04.54240 | 09 43 38.91 | +17 48 20.5 | | 411 |
| 1994 EP | 1994 04 02.55465 | 12 05 36.73 | +07 47 20.2 | | 411 |
| 1994 EP | 1994 04 02.55789 | 12 05 36.49 | +07 47 20.9 | | 411 |
| 1994 EP | 1994 04 02.56523 | 12 05 36.13 | +07 47 22.4 | | 411 |
| 1994 EP | 1994 04 03.53900 | 12 04 45.35 | +07 50 14.4 | | 411 |
| 1994 EP | 1994 04 03.54225 | 12 04 45.12 | +07 50 14.7 | | 411 |
| 1994 EP | 1994 04 03.54959 | 12 04 44.73 | +07 50 14.9 | | 411 |
| 1994 EQ | 1994 04 03.51888 | 12 02 06.16 | +07 30 31.9 | | 411 |
| 1994 EQ | 1994 04 03.52212 | 12 02 06.06 | +07 30 32.7 | | 411 |
| 1994 EQ | 1994 04 03.52893 | 12 02 05.57 | +07 30 32.2 | | 411 |
| 1994 EE ₁ | 1994 03 21.55803 | 12 14 32.42 | +05 41 39.6 | | 411 |
| 1994 EE ₁ | 1994 03 21.56127 | 12 14 32.25 | +05 41 39.4 | | 411 |
| 1994 EE ₁ | 1994 03 21.56789 | 12 14 31.83 | +05 41 42.5 | | 411 |
| 1994 EK ₁ | 1994 04 03.55989 | 12 26 16.83 | +01 18 26.4 | | 411 |
| 1994 EK ₁ | 1994 04 03.56314 | 12 26 16.59 | +01 18 27.1 | | 411 |
| 1994 EK ₁ | 1994 04 03.57013 | 12 26 16.14 | +01 18 27.0 | | 411 |

| | | | | | |
|----------------------|--------------------|-------------|-------------|----|-----|
| 1994 EL ₁ | 1994 03 15.61961 | 12 49 30.39 | +03 30 56.7 | | 411 |
| 1994 EL ₁ | 1994 03 15.62285 | 12 49 30.27 | +03 30 56.5 | | 411 |
| 1994 EL ₁ | 1994 03 15.62975 | 12 49 29.95 | +03 31 01.6 | | 411 |
| 1994 EL ₁ | 1994 03 20.70745 | 12 44 47.95 | +04 10 05.2 | | 411 |
| 1994 EL ₁ | 1994 03 20.71786 | 12 44 47.35 | +04 10 10.8 | | 411 |
| 1994 EL ₁ | 1994 03 20.73413 | 12 44 46.38 | +04 10 18.0 | | 411 |
| 1994 EL ₁ | 1994 04 02.59569 | 12 32 04.39 | +05 40 50.4 | | 411 |
| 1994 EL ₁ | 1994 04 02.59893 | 12 32 04.10 | +05 40 52.2 | | 411 |
| 1994 EL ₁ | 1994 04 02.60633 | 12 32 03.58 | +05 40 54.5 | | 411 |
| 1994 EL ₁ | 1994 04 03.56664 | 12 31 07.38 | +05 46 47.6 | | 411 |
| 1994 EL ₁ | 1994 04 03.58013 | 12 31 06.60 | +05 46 51.7 | | 411 |
| 1994 EL ₁ | 1994 04 03.59079 | 12 31 05.91 | +05 46 56.8 | | 411 |
| 1994 EQ ₁ | 1994 04 03.54592 | 12 24 01.71 | -00 34 45.7 | | 411 |
| 1994 EQ ₁ | 1994 04 03.55327 | 12 24 01.33 | -00 34 40.6 | | 411 |
| 1994 EQ ₁ | 1994 04 03.55652 | 12 24 01.15 | -00 34 39.5 | | 411 |
| 1994 EH ₂ | 1994 03 20.70745 | 12 44 37.18 | +04 12 32.6 | | 411 |
| 1994 EH ₂ | 1994 03 20.71462 | 12 44 36.79 | +04 12 36.4 | | 411 |
| 1994 EH ₂ | 1994 03 20.71786 | 12 44 36.51 | +04 12 36.5 | | 411 |
| 1994 EH ₂ | 1994 04 02.59569 | 12 31 59.71 | +05 41 42.8 | | 411 |
| 1994 EH ₂ | 1994 04 02.59893 | 12 31 59.50 | +05 41 44.0 | | 411 |
| 1994 EH ₂ | 1994 04 02.60633 | 12 31 59.00 | +05 41 46.4 | | 411 |
| 1994 EH ₂ | 1994 04 03.56664 | 12 31 00.96 | +05 47 47.2 | | 411 |
| 1994 EH ₂ | 1994 04 03.58013 | 12 31 00.13 | +05 47 52.1 | | 411 |
| 1994 EH ₂ | 1994 04 03.59079 | 12 30 59.49 | +05 47 56.3 | | 411 |
| 1994 ES ₃ | 1994 03 25.73884 | 13 00 14.63 | +05 04 34.4 | | 411 |
| 1994 ES ₃ | 1994 03 25.74491 | 13 00 14.37 | +05 04 38.6 | | 411 |
| 1994 ES ₃ | 1994 03 25.74746 | 13 00 14.27 | +05 04 40.1 | | 411 |
| 1994 ES ₃ | 1994 04 02.60262 | 12 54 41.27 | +06 31 27.1 | | 411 |
| 1994 ES ₃ | 1994 04 02.61001 | 12 54 40.96 | +06 31 31.3 | | 411 |
| 1994 ES ₃ | 1994 04 03.58707 | 12 53 58.25 | +06 41 51.6 | | 411 |
| 1994 ES ₃ | 1994 04 03.59448 | 12 53 57.83 | +06 41 56.6 | | 411 |
| 1994 ES ₃ | 1994 04 03.59773 | 12 53 57.69 | +06 41 56.6 | | 411 |
| 1994 GE | 1994 04 14.63780 | 13 49 42.78 | -01 48 49.3 | | 411 |
| 1994 GE | 1994 04 14.64427 | 13 49 42.37 | -01 48 49.4 | | 411 |
| 1994 GE | 1994 04 14.64749 | 13 49 42.21 | -01 48 47.4 | | 411 |
| 1994 GE | 1994 04 17.57211 | 13 46 50.38 | -01 41 09.8 | | 411 |
| 1994 GE | 1994 04 17.57969 | 13 46 49.87 | -01 41 09.1 | | 411 |
| 1994 GE | 1994 04 17.60086 | 13 46 48.61 | -01 41 06.5 | | 411 |
| 1994 GF | 1994 04 14.62362 | 13 51 33.88 | -03 59 01.1 | | 411 |
| 1994 GF | 1994 04 14.63009 | 13 51 33.44 | -03 58 59.3 | | 411 |
| 1994 GF | 1994 04 14.63332 | 13 51 33.22 | -03 58 58.7 | | 411 |
| 1994 GF | 1994 04 17.55521 | 13 48 42.10 | -03 43 25.0 | | 411 |
| 1994 GF | 1994 04 17.56027 | 13 48 41.75 | -03 43 23.9 | | 411 |
| 1994 GF | 1994 04 17.56280 | 13 48 41.61 | -03 43 22.2 | | 411 |
| 1994 GY | 1994 04 16.50450 | 13 31 14.28 | +00 17 52.0 | | 411 |
| 1994 GY | 1994 04 16.50956 | 13 31 14.11 | +00 17 38.4 | | 411 |
| 1994 GY | 1994 04 16.51209 | 13 31 13.98 | +00 17 30.3 | | 411 |
| 1994 GY | 1994 04 17.54212 | 13 30 49.20 | -00 31 58.5 | | 411 |
| 1994 GY | 1994 04 17.54718 | 13 30 49.03 | -00 32 13.3 | | 411 |
| 1994 GY | 1994 04 17.54971 | 13 30 48.95 | -00 32 20.4 | | 411 |
| 1994 GZ | * 1994 04 14.69649 | 14 54 38.09 | -06 29 24.0 | 16 | 411 |
| 1994 GZ | 1994 04 14.71020 | 14 54 37.42 | -06 29 17.5 | | 411 |

| | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|--------|-----------------------|------------------|-------------|-------------|------|-------|
| 1994 GZ | 1994 04 15.56020 | 14 54 01.10 | -06 21 59.4 | 411 | 1987 SL ₁ | 1993 04 21.61042 | 12 14 25.99 | -02 36 29.1 | 18.3 | 3 413 |
| 1994 GZ | 1994 04 15.56525 | 14 54 00.93 | -06 21 56.6 | 411 | 1987 SH ₃ | 1982 10 22.66312 | 04 07 04.65 | -07 24 21.5 | 16 V | 413 |
| 1994 GZ | 1994 04 15.56778 | 14 54 00.78 | -06 21 56.2 | 411 | 1987 SH ₃ | 1982 10 22.70826 | 04 07 03.77 | -07 25 37.5 | | b 413 |
| 1994 GZ | 1994 04 17.60579 | 14 52 30.66 | -06 04 28.0 | 411 | 1988 BP ₃ | 1993 04 16.52653 | 12 01 53.62 | +05 36 17.8 | 16.9 | 3 413 |
| 1994 GZ | 1994 04 17.61226 | 14 52 30.37 | -06 04 24.6 | 411 | 1988 CJ | 1993 04 17.43889 | 11 56 36.46 | -04 45 23.7 | 16.8 | 3 413 |
| 1994 GZ | 1994 04 17.61549 | 14 52 30.27 | -06 04 23.2 | 411 | 1988 CF ₅ | 1993 04 17.43889 | 11 54 53.80 | +00 01 08.9 | 19.0 | 3 413 |
| 1994 GM ₁ | * 1994 04 14.68519 | 14 54 44.61 | -09 49 44.5 | 17 | 1988 JB ₁ | 1994 05 02.77961 | 21 56 45.50 | -03 38 25.4 | | 413 |
| 1994 GM ₁ | 1994 04 14.69890 | 14 54 43.92 | -09 49 40.2 | 411 | 1988 JB ₁ | 1994 05 02.78290 | 21 56 45.73 | -03 38 24.3 | | 413 |
| 1994 GM ₁ | 1994 04 17.62098 | 14 52 19.78 | -09 38 51.8 | 411 | 1988 JB ₁ | 1994 05 02.78616 | 21 56 46.00 | -03 38 23.5 | | 413 |
| 1994 GM ₁ | 1994 04 17.62745 | 14 52 19.43 | -09 38 51.8 | 411 | 1988 JB ₁ | 1994 05 04.78509 | 21 59 21.93 | -03 30 13.0 | | 413 |
| 1994 GM ₁ | 1994 04 17.63068 | 14 52 19.25 | -09 38 50.3 | 411 | 1988 JB ₁ | 1994 05 04.78755 | 21 59 22.13 | -03 30 12.3 | | 413 |
| 1994 HA | * 1994 04 17.62098 | 14 51 33.02 | -09 32 06.3 | 16.5 | 1988 VH ₅ | 1993 04 16.52653 | 11 57 27.61 | +01 45 02.1 | 16.7 | 3 413 |
| 1994 HA | 1994 04 17.62745 | 14 51 32.82 | -09 32 02.2 | 411 | 1988 XP | 1994 04 17.59777 | 14 04 35.23 | +00 27 21.8 | | 413 |
| 1994 HA | 1994 04 17.63068 | 14 51 32.60 | -09 31 59.9 | 411 | 1988 XP | 1994 04 17.64291 | 14 04 32.81 | +00 27 37.6 | | 413 |
| 1994 HA | 1994 04 19.64538 | 14 50 12.83 | -09 08 35.3 | 411 | 1988 XP | 1994 04 18.61132 | 14 03 41.93 | +00 33 15.4 | | F 413 |
| 1994 HA | 1994 04 19.65044 | 14 50 12.60 | -09 08 31.4 | 411 | 1988 XP | 1994 04 18.69465 | 14 03 37.31 | +00 33 46.1 | | 413 |
| 1994 HA | 1994 04 19.65297 | 14 50 12.50 | -09 08 29.4 | 411 | 1988 XT | 1993 04 16.57641 | 12 51 51.22 | -06 52 31.4 | 15.5 | 3 413 |
| | | | | | 1988 XD ₁ | 1993 04 18.43884 | 12 46 46.89 | -00 23 33.4 | 17.5 | 3 413 |
| | | | | | 1989 BS ₁ | 1993 04 17.43889 | 11 57 52.59 | -02 19 27.6 | 17.9 | 3 413 |
| | | | | | 1989 BV ₁ | 1993 04 17.43889 | 12 02 06.95 | -02 28 14.9 | 17.3 | 3 413 |
| | | | | | 1989 CD | 1993 04 18.43884 | 12 56 22.16 | -02 47 20.5 | 14.9 | 3 413 |
| | | | | | 1989 CS ₂ | 1993 04 16.57641 | 12 53 56.60 | -05 27 00.7 | 16.0 | 3 413 |
| | | | | | 1989 CH ₄ | 1993 04 21.61042 | 12 12 59.00 | -04 33 17.1 | 16.0 | 3 413 |
| | | | | | 1989 EY ₂ | 1993 04 17.48468 | 12 08 46.72 | -09 17 44.2 | 17.1 | 3 413 |
| | | | | | 1989 GB ₃ | 1993 04 21.61042 | 12 15 14.65 | -03 32 51.6 | 16.8 | 3 413 |
| | | | | | 1989 GD ₅ | 1993 04 16.61791 | 12 44 32.47 | +03 38 14.1 | 16.5 | 3 413 |
| | | | | | 1989 SO ₈ | 1993 04 16.52653 | 12 06 50.49 | +02 43 43.0 | 17.2 | 3 413 |
| | | | | | 1990 OB | 1993 04 18.39929 | 12 32 52.82 | -05 27 18.5 | 18.3 | 3 413 |
| | | | | | 1990 OS ₁ | 1993 04 18.39929 | 12 22 10.30 | -07 43 58.3 | 20.5 | 3 413 |
| | | | | | 1990 OK ₂ | 1993 04 16.52653 | 12 07 26.29 | +06 18 32.1 | 17.6 | 3 413 |
| | | | | | 1990 QM | 1993 04 16.52653 | 12 09 18.81 | +01 39 10.3 | 16.8 | 3 413 |
| | | | | | 1990 QP ₁ | 1993 04 18.39929 | 12 34 52.77 | -07 13 14.1 | 16.8 | 3 413 |
| | | | | | 1990 QS ₁ | 1993 04 16.57641 | 13 01 55.35 | -08 31 28.7 | 16.0 | 3 413 |
| | | | | | 1990 QP ₂ | 1993 04 16.57641 | 12 49 41.62 | -06 09 11.1 | 16.3 | 3 413 |
| | | | | | 1990 QY ₃ | 1993 04 17.43889 | 12 04 39.22 | -03 32 23.3 | 17.4 | 3 413 |
| | | | | | 1990 QN ₄ | 1993 04 17.43889 | 12 07 58.04 | +00 20 16.0 | 18.7 | 3 413 |
| | | | | | 1990 RC ₃ | 1993 04 21.61042 | 12 25 31.19 | -04 21 56.8 | 16.8 | 3 413 |
| | | | | | 1990 RE ₇ | 1993 04 17.43889 | 11 55 45.64 | -02 16 45.8 | 17.2 | 3 413 |
| | | | | | 1990 SP ₇ | 1993 04 21.61042 | 12 30 00.85 | +00 43 19.4 | 16.9 | 3 413 |
| | | | | | 1990 SM ₉ | 1993 04 18.43884 | 12 46 10.38 | +00 03 10.6 | 16.8 | 3 413 |
| | | | | | 1990 SV ₁₅ | 1993 04 18.39929 | 12 25 19.76 | -05 29 06.9 | 16.0 | 3 413 |
| | | | | | 1990 SO ₂₈ | 1993 04 21.61042 | 12 19 44.51 | +00 01 35.7 | 17.6 | 3 413 |
| | | | | | 1990 VB | 1994 05 02.77017 | 21 29 47.28 | -06 36 42.6 | | 413 |
| | | | | | 1990 VB | 1994 05 02.77267 | 21 29 47.69 | -06 36 38.6 | | 413 |
| | | | | | 1990 VB | 1994 05 02.77519 | 21 29 48.13 | -06 36 34.5 | | 413 |
| | | | | | 1990 VB | 1994 05 04.79016 | 21 35 29.52 | -05 44 58.6 | | 413 |
| | | | | | 1990 VB | 1994 05 04.79239 | 21 35 29.87 | -05 44 55.0 | | 413 |
| | | | | | 1990 VS ₆ | 1993 04 18.43884 | 12 52 01.85 | -02 13 50.9 | 16.8 | 3 413 |
| | | | | | 1991 TE ₂ | 1993 04 16.48568 | 12 22 22.03 | +02 59 32.5 | 17.4 | 3 413 |
| | | | | | 1991 UM | 1993 04 21.61042 | 12 21 05.59 | -02 36 38.7 | 18.1 | 3 413 |
| | | | | | 1991 UC ₂ | 1993 04 18.39929 | 12 34 07.59 | -05 22 29.1 | 18.3 | 413 |
| | | | | | 1991 UK ₂ | 1993 04 16.57641 | 12 51 18.97 | -06 37 53.8 | 16.1 | 3 413 |
| 1929 PB | 1993 04 16.52653 | 12 07 26.07 | +02 26 33.2 | 18.1 | 3 413 | | | | | |
| 1948 AA | 1994 04 15.39131 | 11 17 57.94 | -45 54 08.1 | 16.5 V | 413 | | | | | |
| 1948 AA | 1994 04 15.42950 | 11 17 56.74 | -45 53 39.2 | | 413 | | | | | |
| 1968 QE | 1993 04 18.39929 | 12 32 57.21 | -06 04 14.5 | 20.6 | 3 413 | | | | | |
| 1976 GK ₃ | 1993 04 18.43884 | 12 51 23.93 | -04 26 06.6 | 15.9 | 3 413 | | | | | |
| 1976 SJ | 1993 04 17.43889 | 12 10 27.23 | +00 02 49.0 | 17.5 | 3 413 | | | | | |
| 1976 UG ₁₅ | 1993 04 16.52653 | 11 59 58.64 | +03 29 27.1 | 18.5 | 3 413 | | | | | |
| 1977 QF ₁ | 1993 04 17.48468 | 12 00 20.96 | -05 24 15.3 | 16.8 | 3 413 | | | | | |
| 1978 UV | 1993 04 16.52653 | 11 53 42.19 | +07 05 31.0 | 16.8 | 3 413 | | | | | |
| 1980 TT ₃ | 1993 04 17.43889 | 11 49 22.45 | -00 23 06.5 | 18.1 | 3 413 | | | | | |
| 1981 EE ₃₅ | 1993 04 18.43884 | 12 47 05.90 | +01 14 54.8 | 18.3 | 3 413 | | | | | |
| 1981 UO ₁₁ | 1993 04 16.52653 | 11 53 25.22 | +07 19 17.8 | 16.8 | 3 413 | | | | | |
| 1982 BP ₂ | 1993 04 18.39929 | 12 35 30.12 | -07 10 03.3 | 16.0 | 3 413 | | | | | |
| 1983 LL | 1993 04 17.48468 | 12 07 11.66 | -10 05 19.9 | 17.1 | 3 413 | | | | | |
| 1983 RB ₂ | 1993 04 16.48568 | 12 16 20.66 | +04 20 37.3 | 17.8 | 3 413 | | | | | |
| 1984 SR | 1993 04 17.48468 | 12 08 58.45 | -09 41 11.8 | 18.4 | 3 413 | | | | | |
| 1984 SQ ₂ | 1993 04 18.43884 | 12 58 53.23 | -04 12 06.6 | 17.1 | 3 413 | | | | | |
| 1984 SQ ₃ | 1993 04 21.61042 | 12 26 59.06 | -02 09 33.3 | 16.7 | 3 413 | | | | | |
| 1984 TD | 1993 04 21.61042 | 12 30 07.93 | -03 22 19.9 | 18.6 | 3 413 | | | | | |
| 1984 UC ₁ | 1993 04 18.39929 | 12 21 42.30 | -06 24 28.5 | 20.5 | 3 413 | | | | | |
| 1986 CD ₂ | 1993 04 18.39929 | 12 32 03.69 | -06 17 03.0 | 20.2 | 3 413 | | | | | |
| 1986 QX ₃ | 1993 04 18.43884 | 12 56 08.92 | +00 35 45.3 | 15.6 | 3 413 | | | | | |
| 1986 TR ₄ | 1993 04 16.57641 | 12 40 53.41 | -10 34 05.2 | 17.1 | 3 413 | | | | | |
| 1986 TB ₁₂ | 1993 04 16.57641 | 12 56 17.40 | -11 12 35.9 | 16.8 | 3 413 | | | | | |
| 1986 WO ₉ | 1993 04 16.57641 | 12 52 12.89 | -05 12 44.7 | 16.0 | 3 413 | | | | | |
| 1987 RV ₃ | 1993 04 16.57641 | 12 50 53.87 | -07 42 53.7 | 17.0 | 3 413 | | | | | |

413 Siding Spring

R. H. McNaught, Siding Spring Observatory, Coonabarabran, N.S.W. 2357, Australia

C.-I. Lagerkvist, Uppsala Observatory, Box 515, S-751 20 Uppsala, Sweden (3)

Observers D. J. Asher, J. A. Dawe, M. J. Drinkwater, G. J. Garradd, M. Hartley, M. R. S. Hawkins, R. H. McNaught, K. S. Russell, A. Savage, M. E. Sims, D. I. Steel

Measurers R. H. McNaught, G. J. Garradd, D. J. Asher, O. Hernius

1.0-m reflector + CCD, U.K. Schmidt, Uppsala Southern Schmidt

| | | | | | | | | | | | |
|----------------------|------------------|-------------|-------------|------|-------|-----------------------|------------------|-------------|-------------|------|-------|
| 1991 UB ₃ | 1993 04 18.43884 | 12 48 05.91 | +00 32 17.6 | 18.9 | 3 413 | 1993 FD ₆ | 1993 04 16.52653 | 12 09 16.78 | +02 19 14.5 | 18.3 | 3 413 |
| 1991 VV ₃ | 1993 04 18.43884 | 12 54 03.44 | -03 01 31.0 | 18.8 | 3 413 | 1993 FF ₆ | 1993 04 16.52653 | 11 53 31.00 | +05 45 47.5 | 18.3 | 3 413 |
| 1991 VC ₄ | 1993 04 17.48468 | 11 47 39.45 | -08 28 58.6 | 16.8 | 3 413 | 1993 FG ₆ | 1993 04 16.52653 | 11 55 55.91 | +02 05 35.5 | 19.0 | 3 413 |
| 1991 VK ₄ | 1993 04 18.39929 | 12 16 45.24 | -07 17 44.3 | 20.6 | 3 413 | 1993 FJ ₆ | 1993 04 16.52653 | 11 58 44.86 | +03 48 25.2 | 18.3 | 3 413 |
| 1991 XO ₁ | 1993 04 18.43884 | 13 03 09.87 | -02 05 13.1 | 16.8 | 3 413 | 1993 FK ₆ | 1993 04 16.52653 | 12 00 56.97 | +03 48 36.2 | 18.0 | 3 413 |
| 1992 CQ ₂ | 1993 04 16.48568 | 12 24 05.95 | +05 52 10.3 | 17.1 | 3 413 | 1993 FL ₆ | 1993 04 16.52653 | 11 55 53.59 | +04 27 52.5 | 17.3 | 3 413 |
| 1992 SL | 1994 05 02.68235 | 15 46 36.57 | -35 39 40.6 | | 413 | 1993 FM ₆ | 1993 04 16.52653 | 11 57 49.10 | +04 25 50.4 | 18.5 | 3 413 |
| 1992 SL | 1994 05 02.68605 | 15 46 36.24 | -35 39 42.7 | | 413 | 1993 FN ₆ | 1993 04 16.52653 | 11 57 26.35 | +02 38 55.4 | 19.0 | 3 413 |
| 1992 SL | 1994 05 03.74382 | 15 45 05.03 | -35 49 34.0 | | 413 | 1993 FS ₆ | 1993 04 16.52653 | 11 52 33.46 | +05 28 00.0 | 17.2 | 3 413 |
| 1992 SL | 1994 05 03.74701 | 15 45 04.68 | -35 49 35.9 | | 413 | 1993 FU ₆ | 1993 04 16.52653 | 11 57 32.07 | +05 24 43.5 | 17.7 | 3 413 |
| 1992 SL | 1994 05 03.77756 | 15 45 01.96 | -35 49 52.1 | | 413 | 1993 FW ₆ | 1993 04 16.52653 | 11 56 11.12 | +04 46 58.1 | 17.7 | 3 413 |
| 1993 EJ | 1993 04 16.48568 | 12 21 38.03 | +05 38 36.8 | 17.0 | 3 413 | 1993 FY ₆ | 1993 04 16.52653 | 11 50 53.69 | +06 25 07.4 | 18.2 | 3 413 |
| 1993 EQ | 1993 04 16.52653 | 11 53 28.08 | +01 40 29.9 | 16.8 | 3 413 | 1993 FZ ₆ | 1993 04 16.52653 | 11 53 05.07 | +05 59 00.4 | 17.8 | 3 413 |
| 1993 ER | 1993 04 16.52653 | 11 55 00.96 | +01 35 23.5 | 15.3 | 3 413 | 1993 FC ₇ | 1993 04 16.52653 | 11 52 46.67 | +05 43 27.1 | 19.8 | 3 413 |
| 1993 ES | 1993 04 17.48468 | 12 07 11.92 | -05 22 56.0 | 16.0 | 3 413 | 1993 FF ₇ | 1993 04 16.52653 | 11 55 33.91 | +04 20 52.9 | 19.8 | 3 413 |
| 1993 EU | 1993 04 16.52653 | 12 09 25.69 | +05 05 03.6 | 16.1 | 3 413 | 1993 FH ₇ | 1993 04 16.52653 | 11 55 43.98 | +06 37 49.7 | 18.5 | 3 413 |
| 1993 FN | 1993 04 17.43889 | 12 07 37.56 | -03 24 48.5 | 17.7 | 3 413 | 1993 FM ₇ | 1993 04 16.52653 | 12 01 58.51 | +05 07 16.3 | 17.6 | 3 413 |
| 1993 FD ₁ | 1993 04 17.43889 | 11 56 07.73 | +01 18 35.2 | 17.5 | 3 413 | 1993 FN ₇ | 1993 04 16.52653 | 12 03 45.35 | +06 05 41.7 | 17.5 | 3 413 |
| 1993 FG ₁ | 1993 04 16.52653 | 12 10 08.67 | +06 25 35.2 | 16.8 | 3 413 | 1993 FO ₇ | 1993 04 16.52653 | 11 58 43.14 | +05 49 31.1 | 17.0 | 3 413 |
| 1993 FP ₂ | 1993 04 17.43889 | 12 03 58.10 | -02 51 32.4 | 17.8 | 3 413 | 1993 FT ₇ | 1993 04 16.52653 | 12 02 09.44 | +05 34 58.0 | 19.0 | 3 413 |
| 1993 FS ₂ | 1993 04 21.61042 | 12 19 59.43 | +00 55 48.1 | 16.8 | 3 413 | 1993 FU ₇ | 1993 04 16.52653 | 12 00 16.65 | +05 33 47.5 | 19.8 | 3 413 |
| 1993 FT ₂ | 1993 04 17.48468 | 12 02 00.28 | -07 47 03.2 | 17.0 | 3 413 | 1993 FV ₇ | 1993 04 16.52653 | 11 57 42.65 | +06 05 50.7 | 17.0 | 3 413 |
| 1993 FX ₂ | 1993 04 16.48568 | 12 25 13.38 | +02 06 21.9 | 18.4 | 3 413 | 1993 FZ ₇ | 1993 04 16.52653 | 11 59 58.57 | +05 15 34.3 | 18.9 | 3 413 |
| 1993 FR ₃ | 1993 04 18.39929 | 12 29 54.21 | -05 24 59.3 | 16.8 | 3 413 | 1993 FA ₈ | 1993 04 16.52653 | 12 00 59.10 | +06 19 37.7 | 19.8 | 3 413 |
| 1993 FX ₃ | 1993 04 18.43884 | 12 39 00.38 | -02 58 54.8 | 16.7 | 3 413 | 1993 FB ₈ | 1993 04 16.52653 | 12 04 27.90 | +05 19 29.5 | 17.8 | 3 413 |
| 1993 FX ₃ | 1993 04 21.61042 | 12 37 10.77 | -02 28 11.0 | 16.8 | 3 413 | 1993 FC ₈ | 1993 04 16.52653 | 12 04 23.48 | +03 46 29.3 | 19.1 | 3 413 |
| 1993 FD ₄ | 1993 04 17.43889 | 11 57 01.43 | -02 54 20.5 | 18.4 | 3 413 | 1993 FD ₈ | 1993 04 16.52653 | 12 03 57.12 | +05 12 47.1 | 19.8 | 3 413 |
| 1993 FF ₄ | 1993 04 16.52653 | 11 55 29.44 | +02 36 00.8 | 18.2 | 3 413 | 1993 FE ₈ | 1993 04 16.52653 | 12 03 24.14 | +06 19 23.9 | 17.8 | 3 413 |
| 1993 FG ₄ | 1993 04 16.52653 | 11 58 11.97 | +04 31 27.3 | 17.3 | 3 413 | 1993 FG ₈ | 1993 04 16.52653 | 12 05 12.54 | +06 09 36.4 | 18.4 | 3 413 |
| 1993 FK ₄ | 1993 04 16.52653 | 11 59 36.06 | +04 42 13.1 | 18.4 | 3 413 | 1993 FK ₈ | 1993 04 16.52653 | 12 06 05.06 | +04 34 02.2 | 19.0 | 3 413 |
| 1993 FL ₄ | 1993 04 16.52653 | 11 55 41.57 | +03 13 06.1 | 17.4 | 3 413 | 1993 FL ₈ | 1993 04 16.52653 | 12 01 41.09 | +05 47 27.7 | 16.9 | 3 413 |
| 1993 FN ₄ | 1993 04 16.52653 | 11 56 14.72 | +02 43 11.1 | 17.5 | 3 413 | 1993 FM ₈ | 1993 04 16.52653 | 12 02 23.38 | +05 30 54.5 | 17.9 | 3 413 |
| 1993 FO ₄ | 1993 04 16.52653 | 12 00 47.03 | +06 00 44.9 | 17.8 | 3 413 | 1993 FN ₈ | 1993 04 16.52653 | 12 10 55.77 | +06 48 48.2 | 19.0 | 3 413 |
| 1993 FQ ₄ | 1993 04 16.52653 | 11 56 35.23 | +04 16 10.9 | 18.8 | 3 413 | 1993 FO ₈ | 1993 04 16.52653 | 12 07 31.20 | +06 41 03.5 | 17.5 | 3 413 |
| 1993 FR ₄ | 1993 04 16.52653 | 11 55 04.97 | +04 17 54.5 | 17.5 | 3 413 | 1993 FP ₈ | 1993 04 16.52653 | 12 05 10.37 | +04 06 25.0 | 15.9 | 3 413 |
| 1993 FS ₄ | 1993 04 16.52653 | 12 00 21.67 | +03 39 06.6 | 18.1 | 3 413 | 1993 FR ₈ | 1993 04 16.52653 | 12 12 09.94 | +06 22 39.0 | 18.3 | 3 413 |
| 1993 FT ₄ | 1993 04 16.52653 | 12 00 58.86 | +03 47 34.9 | 16.8 | 3 413 | 1993 FT ₈ | 1993 04 16.52653 | 12 07 23.44 | +04 47 43.2 | 17.8 | 3 413 |
| 1993 FU ₄ | 1993 04 16.52653 | 12 03 22.38 | +06 03 07.3 | 17.5 | 3 413 | 1993 FW ₈ | 1993 04 16.48568 | 12 14 02.75 | +01 51 27.4 | 18.3 | 3 413 |
| 1993 FV ₄ | 1993 04 16.52653 | 11 59 43.38 | +04 26 23.2 | 18.3 | 3 413 | 1993 FY ₈ | 1993 04 16.52653 | 12 09 37.17 | +04 05 11.3 | 18.0 | 3 413 |
| 1993 FX ₄ | 1993 04 16.52653 | 12 03 49.00 | +04 57 14.5 | 19.8 | 3 413 | 1993 FA ₉ | 1993 04 16.52653 | 12 10 22.76 | +06 36 44.9 | 19.0 | 3 413 |
| 1993 FZ ₄ | 1993 04 16.52653 | 12 03 25.27 | +03 05 40.8 | 19.1 | 3 413 | 1993 FB ₉ | 1993 04 16.52653 | 12 12 24.43 | +03 48 24.3 | 18.3 | 3 413 |
| 1993 FA ₅ | 1993 04 16.52653 | 11 59 07.03 | +04 49 43.0 | 17.2 | 3 413 | 1993 FC ₉ | 1993 04 16.52653 | 12 11 35.92 | +04 15 07.4 | 19.0 | 3 413 |
| 1993 FB ₅ | 1993 04 16.52653 | 11 59 09.68 | +01 26 19.0 | 16.8 | 3 413 | 1993 FD ₉ | 1993 04 17.43889 | 11 58 11.85 | -00 25 49.7 | 19.4 | 3 413 |
| 1993 FC ₅ | 1993 04 16.52653 | 12 03 23.07 | +05 24 06.2 | 17.5 | 3 413 | 1993 FJ ₉ | 1993 04 16.52653 | 12 03 12.95 | +03 51 12.3 | 17.5 | 3 413 |
| 1993 FG ₅ | 1993 04 16.52653 | 12 04 11.08 | +03 15 00.6 | 18.3 | 3 413 | 1993 FK ₉ | 1993 04 16.52653 | 12 06 20.65 | +03 57 57.5 | 17.9 | 3 413 |
| 1993 FH ₅ | 1993 04 16.52653 | 12 03 52.80 | +02 19 22.7 | 17.9 | 3 413 | 1993 FL ₉ | 1993 04 16.52653 | 12 09 20.86 | +06 10 47.8 | 19.8 | 3 413 |
| 1993 FQ ₅ | 1993 04 16.52653 | 12 07 21.91 | +03 35 29.7 | 18.2 | 3 413 | 1993 FN ₉ | 1993 04 16.52653 | 12 07 17.19 | +03 33 01.9 | 17.6 | 3 413 |
| 1993 FR ₅ | 1993 04 16.52653 | 12 04 24.02 | +03 43 31.0 | 18.3 | 3 413 | 1993 FQ ₉ | 1993 04 16.52653 | 12 09 09.86 | +01 58 52.0 | 18.2 | 3 413 |
| 1993 FS ₅ | 1993 04 16.52653 | 12 07 15.64 | +04 19 15.3 | 19.0 | 3 413 | 1993 FS ₉ | 1993 04 16.52653 | 12 09 32.39 | +06 52 37.2 | 18.6 | 3 413 |
| 1993 FT ₅ | 1993 04 16.52653 | 12 10 10.91 | +04 43 18.5 | 16.8 | 3 413 | 1993 FW ₉ | 1993 04 16.52653 | 12 08 52.94 | +03 36 50.5 | 17.6 | 3 413 |
| 1993 FU ₅ | 1993 04 16.52653 | 12 04 52.19 | +04 18 23.7 | 19.0 | 3 413 | 1993 FX ₉ | 1993 04 16.52653 | 12 11 09.24 | +05 02 31.2 | 16.8 | 3 413 |
| 1993 FY ₅ | 1993 04 16.52653 | 12 02 51.99 | +01 46 13.0 | 17.9 | 3 413 | 1993 FA ₁₀ | 1993 04 16.52653 | 12 09 58.64 | +02 43 10.7 | 18.3 | 3 413 |

| | | | | | | | | | | | |
|-----------------------|------------------|-------------|-------------|------|-------|-----------------------|------------------|-------------|-------------|------|-------|
| 1993 FB ₁₀ | 1993 04 16.52653 | 12 11 45.12 | +04 00 57.3 | 18.3 | 3 413 | 1993 FU ₁₃ | 1993 04 16.48568 | 12 13 50.45 | +05 24 02.7 | 17.3 | 3 413 |
| 1993 FJ ₁₀ | 1993 04 16.48568 | 12 16 31.00 | +02 14 56.2 | 16.7 | 3 413 | 1993 FV ₁₃ | 1993 04 16.48568 | 12 14 09.88 | +04 28 28.3 | 17.7 | 3 413 |
| 1993 FK ₁₀ | 1993 04 17.43889 | 12 08 14.96 | +01 11 28.5 | 17.5 | 3 413 | 1993 FY ₁₃ | 1993 04 16.48568 | 12 22 50.60 | +06 34 40.3 | 17.4 | 3 413 |
| 1993 FL ₁₀ | 1993 04 16.48568 | 12 19 18.70 | +05 26 45.1 | 17.8 | 3 413 | 1993 FC ₁₄ | 1993 04 16.48568 | 12 17 48.04 | +04 04 04.3 | 18.1 | 3 413 |
| 1993 FM ₁₀ | 1993 04 16.48568 | 12 16 26.70 | +02 28 58.5 | 18.1 | 3 413 | 1993 FF ₁₄ | 1993 04 16.48568 | 12 14 07.80 | +04 12 21.8 | 17.6 | 3 413 |
| 1993 FN ₁₀ | 1993 04 16.48568 | 12 20 35.82 | +02 20 14.3 | 18.2 | 3 413 | 1993 FG ₁₄ | 1993 04 16.48568 | 12 16 31.30 | +04 30 12.9 | 17.3 | 3 413 |
| 1993 FO ₁₀ | 1993 04 16.48568 | 12 24 25.44 | +04 34 19.9 | 17.8 | 3 413 | 1993 FH ₁₄ | 1993 04 16.48568 | 12 19 46.13 | +06 41 06.8 | 18.0 | 3 413 |
| 1993 FP ₁₀ | 1993 04 16.48568 | 12 17 43.86 | +02 52 53.1 | 18.5 | 3 413 | 1993 FK ₁₄ | 1993 04 16.48568 | 12 15 52.45 | +04 59 43.3 | 19.0 | 3 413 |
| 1993 FQ ₁₀ | 1993 04 21.61042 | 12 15 34.95 | +00 56 55.5 | 18.2 | 3 413 | 1993 FL ₁₄ | 1993 04 16.48568 | 12 20 46.23 | +05 40 41.4 | 17.5 | 3 413 |
| 1993 FR ₁₀ | 1993 04 16.48568 | 12 15 42.50 | +01 51 52.5 | 16.8 | 3 413 | 1993 FM ₁₄ | 1993 04 16.48568 | 12 16 50.51 | +03 53 27.5 | 17.6 | 3 413 |
| 1993 FS ₁₀ | 1993 04 16.52653 | 12 03 33.28 | +02 56 43.5 | 17.5 | 3 413 | 1993 FN ₁₄ | 1993 04 16.48568 | 12 18 18.39 | +05 09 21.5 | 18.9 | 3 413 |
| 1993 FU ₁₀ | 1993 04 17.43889 | 12 01 39.13 | +00 48 20.6 | 17.5 | 3 413 | 1993 FO ₁₄ | 1993 04 16.48568 | 12 21 53.12 | +05 22 25.7 | 18.1 | 3 413 |
| 1993 FW ₁₀ | 1993 04 16.48568 | 12 13 31.27 | +02 27 22.8 | 18.4 | 3 413 | 1993 FP ₁₄ | 1993 04 16.48568 | 12 16 34.68 | +04 14 41.7 | 16.8 | 3 413 |
| 1993 FB ₁₁ | 1993 04 16.48568 | 12 16 42.77 | +03 18 47.2 | 19.0 | 3 413 | 1993 FS ₁₄ | 1993 04 16.48568 | 12 27 26.47 | +06 29 24.6 | 17.6 | 3 413 |
| 1993 FE ₁₁ | 1993 04 16.48568 | 12 15 41.20 | +04 40 40.5 | 19.0 | 3 413 | 1993 FT ₁₄ | 1993 04 16.48568 | 12 24 54.79 | +06 19 49.9 | 16.9 | 3 413 |
| 1993 FH ₁₁ | 1993 04 16.52653 | 12 11 32.94 | +02 01 16.6 | 18.3 | 3 413 | 1993 FV ₁₄ | 1993 04 16.48568 | 12 22 24.64 | +07 23 28.2 | 19.0 | 3 413 |
| 1993 FJ ₁₁ | 1993 04 16.48568 | 12 17 46.49 | +06 03 21.3 | 16.8 | 3 413 | 1993 FZ ₁₄ | 1993 04 16.48568 | 12 30 47.47 | +04 13 38.0 | 18.6 | 3 413 |
| 1993 FK ₁₁ | 1993 04 16.48568 | 12 17 06.13 | +03 34 35.4 | 18.3 | 3 413 | 1993 FA ₁₅ | 1993 04 16.48568 | 12 23 07.23 | +05 41 08.7 | 17.8 | 3 413 |
| 1993 FO ₁₁ | 1993 04 16.48568 | 12 19 34.46 | +04 47 21.3 | 18.1 | 3 413 | 1993 FK ₁₅ | 1993 04 16.48568 | 12 26 34.88 | +06 57 01.4 | 18.3 | 3 413 |
| 1993 FP ₁₁ | 1993 04 16.48568 | 12 19 30.20 | +02 40 02.9 | 18.3 | 3 413 | 1993 FL ₁₅ | 1993 04 16.48568 | 12 32 23.73 | +02 33 57.8 | 17.4 | 3 413 |
| 1993 FR ₁₁ | 1993 04 16.48568 | 12 19 36.43 | +05 43 19.8 | 17.1 | 3 413 | 1993 FO ₁₅ | 1993 04 16.48568 | 12 29 34.95 | +06 18 18.3 | 18.2 | 3 413 |
| 1993 FS ₁₁ | 1993 04 16.48568 | 12 18 35.13 | +04 39 04.7 | 17.1 | 3 413 | 1993 FQ ₁₅ | 1993 04 16.48568 | 12 37 38.35 | +06 28 20.3 | 19.0 | 3 413 |
| 1993 FU ₁₁ | 1993 04 16.48568 | 12 20 12.99 | +04 11 26.5 | 17.3 | 3 413 | 1993 FV ₁₅ | 1993 04 16.48568 | 12 30 18.75 | +04 17 21.8 | 18.4 | 3 413 |
| 1993 FV ₁₁ | 1993 04 16.48568 | 12 19 41.04 | +04 00 09.5 | 17.4 | 3 413 | 1993 FW ₁₅ | 1993 04 16.48568 | 12 31 37.96 | +01 54 31.9 | 17.5 | 3 413 |
| 1993 FW ₁₁ | 1993 04 16.48568 | 12 16 17.88 | +05 04 40.3 | 19.0 | 3 413 | 1993 FX ₁₅ | 1993 04 16.48568 | 12 33 50.01 | +02 56 55.2 | 18.0 | 3 413 |
| 1993 FX ₁₁ | 1993 04 16.48568 | 12 16 07.12 | +02 57 38.0 | 18.2 | 3 413 | 1993 FZ ₁₅ | 1993 04 16.48568 | 12 33 30.05 | +05 59 07.9 | 19.8 | 3 413 |
| 1993 FZ ₁₁ | 1993 04 16.48568 | 12 16 52.95 | +04 44 06.7 | 18.9 | 3 413 | 1993 FC ₁₆ | 1993 04 16.48568 | 12 34 48.78 | +03 46 45.4 | 17.2 | 3 413 |
| 1993 FA ₁₂ | 1993 04 16.48568 | 12 25 08.29 | +02 55 31.9 | 19.0 | 3 413 | 1993 FD ₁₆ | 1993 04 16.48568 | 12 31 23.17 | +05 15 00.0 | 18.3 | 3 413 |
| 1993 FE ₁₂ | 1993 04 16.48568 | 12 21 46.46 | +04 06 32.0 | 17.6 | 3 413 | 1993 FF ₁₆ | 1993 04 16.48568 | 12 34 27.63 | +02 43 19.7 | 17.6 | 3 413 |
| 1993 FE ₁₂ | 1993 04 16.48568 | 12 25 05.46 | +02 28 27.8 | 18.4 | 3 413 | 1993 FH ₁₆ | 1993 04 16.48568 | 12 36 29.14 | +02 30 17.7 | 18.3 | 3 413 |
| 1993 FG ₁₂ | 1993 04 16.48568 | 12 29 05.36 | +03 59 24.2 | 17.3 | 3 413 | 1993 FJ ₁₆ | 1993 04 16.48568 | 12 34 14.66 | +02 29 23.2 | 17.3 | 3 413 |
| 1993 FH ₁₂ | 1993 04 16.48568 | 12 23 52.62 | +04 03 21.9 | 17.4 | 3 413 | 1993 FK ₁₆ | 1993 04 18.43884 | 12 38 41.14 | +01 25 29.9 | 18.3 | 3 413 |
| 1993 FK ₁₂ | 1993 04 16.48568 | 12 23 00.74 | +02 52 18.4 | 19.0 | 3 413 | 1993 FM ₁₆ | 1993 04 16.61791 | 12 47 54.99 | +01 59 28.8 | 18.3 | 3 413 |
| 1993 FN ₁₂ | 1993 04 16.48568 | 12 28 22.88 | +02 39 55.8 | 17.7 | 3 413 | 1993 FN ₁₆ | 1993 04 16.61791 | 12 47 19.98 | +02 36 01.0 | 17.8 | 3 413 |
| 1993 FO ₁₂ | 1993 04 16.48568 | 12 22 29.25 | +03 09 41.0 | 17.2 | 3 413 | 1993 FR ₁₆ | 1993 04 16.61791 | 12 45 26.69 | +02 51 19.4 | 17.5 | 3 413 |
| 1993 FP ₁₂ | 1993 04 16.48568 | 12 28 39.48 | +03 41 46.4 | 18.1 | 3 413 | 1993 FX ₁₆ | 1993 04 16.48568 | 12 18 40.94 | +03 28 46.0 | 18.7 | 3 413 |
| 1993 FQ ₁₂ | 1993 04 16.48568 | 12 26 21.93 | +03 53 43.0 | 17.2 | 3 413 | 1993 FB ₁₇ | 1993 04 16.48568 | 12 29 51.49 | +03 19 52.1 | 19.8 | 3 413 |
| 1993 FR ₁₂ | 1993 04 16.48568 | 12 26 44.25 | +04 00 03.2 | 17.0 | 3 413 | 1993 FE ₁₇ | 1993 04 16.48568 | 12 33 21.72 | +03 11 23.5 | 19.0 | 3 413 |
| 1993 FS ₁₂ | 1993 04 16.48568 | 12 25 00.20 | +02 59 51.6 | 18.6 | 3 413 | 1993 FF ₁₇ | 1993 04 16.48568 | 12 28 14.60 | +03 06 35.7 | 19.8 | 3 413 |
| 1993 FV ₁₂ | 1993 04 16.48568 | 12 30 51.17 | +06 58 12.5 | 18.3 | 3 413 | 1993 FQ ₁₇ | 1993 04 16.48568 | 12 34 29.41 | +07 21 20.0 | 18.3 | 3 413 |
| 1993 FY ₁₂ | 1993 04 16.48568 | 12 32 40.10 | +04 15 25.0 | 16.3 | 3 413 | 1993 FU ₁₇ | 1993 04 16.48568 | 12 31 27.31 | +03 48 13.0 | 17.0 | 3 413 |
| 1993 FZ ₁₂ | 1993 04 16.48568 | 12 29 48.71 | +03 50 36.1 | 17.1 | 3 413 | 1993 FV ₁₇ | 1993 04 16.48568 | 12 34 58.70 | +04 30 36.8 | 17.5 | 3 413 |
| 1993 FA ₁₃ | 1993 04 18.43884 | 12 49 06.73 | -03 48 28.3 | 17.0 | 3 413 | 1993 FX ₁₇ | 1993 04 16.48568 | 12 36 13.49 | +06 37 44.0 | 18.3 | 3 413 |
| 1993 FC ₁₃ | 1993 04 16.48568 | 12 13 34.90 | +05 14 51.9 | 16.6 | 3 413 | 1993 FA ₁₈ | 1993 04 16.48568 | 12 37 10.13 | +07 07 37.4 | 16.8 | 3 413 |
| 1993 FE ₁₃ | 1993 04 16.48568 | 12 13 58.81 | +04 42 58.5 | 19.0 | 3 413 | 1993 FB ₁₈ | 1993 04 16.48568 | 12 35 48.36 | +04 24 56.3 | 17.5 | 3 413 |
| 1993 FH ₁₃ | 1993 04 16.48568 | 12 16 48.42 | +06 28 25.3 | 16.5 | 3 413 | 1993 FD ₁₈ | 1993 04 16.61791 | 12 40 06.41 | +04 54 32.8 | 19.0 | 3 413 |
| 1993 FK ₁₃ | 1993 04 16.52653 | 12 10 18.90 | +05 35 59.0 | 17.5 | 3 413 | 1993 FF ₁₈ | 1993 04 16.61791 | 12 43 52.21 | +04 41 47.5 | 17.0 | 3 413 |
| 1993 FP ₁₃ | 1993 04 16.52653 | 12 12 23.44 | +05 36 29.4 | 19.8 | 3 413 | 1993 FG ₁₈ | 1993 04 16.61791 | 12 41 07.86 | +06 58 35.0 | 19.0 | 3 413 |
| 1993 FQ ₁₃ | 1993 04 16.48568 | 12 19 52.62 | +06 13 53.8 | 19.8 | 3 413 | 1993 FH ₁₈ | 1993 04 16.61791 | 12 40 08.67 | +04 04 09.6 | 18.3 | 3 413 |
| 1993 FR ₁₃ | 1993 04 16.48568 | 12 13 58.24 | +05 32 31.2 | 17.9 | 3 413 | 1993 FK ₁₈ | 1993 04 16.61791 | 12 40 11.09 | +03 26 59.4 | 17.5 | 3 413 |
| 1993 FS ₁₃ | 1993 04 16.48568 | 12 12 48.73 | +05 46 41.9 | 18.3 | 3 413 | 1993 FL ₁₈ | 1993 04 16.61791 | 12 42 19.55 | +03 23 25.0 | 18.3 | 3 413 |
| 1993 FS ₁₃ | 1993 04 16.52653 | 12 12 46.76 | +05 46 48.4 | 17.5 | 3 413 | 1993 FN ₁₈ | 1993 04 16.61791 | 12 42 11.00 | +03 49 50.0 | 19.0 | 3 413 |

| | | | | | | | | | | | |
|-----------------------|------------------|-------------|-------------|------|-------|-----------------------|------------------|-------------|-------------|------|-------|
| 1993 FO ₁₈ | 1993 04 16.61791 | 12 41 25.10 | +04 41 56.2 | 19.0 | 3 413 | 1993 FR ₂₂ | 1993 04 18.39929 | 12 34 15.63 | -05 52 08.8 | 19.8 | 3 413 |
| 1993 FR ₁₈ | 1993 04 16.61791 | 12 44 26.15 | +02 13 37.3 | 19.0 | 3 413 | 1993 FS ₂₂ | 1993 04 16.57641 | 12 37 50.01 | -07 25 35.5 | 19.0 | 3 413 |
| 1993 FU ₁₈ | 1993 04 16.61791 | 12 46 42.76 | +04 29 45.5 | 18.3 | 3 413 | 1993 FT ₂₂ | 1993 04 16.57641 | 12 41 57.51 | -08 27 25.8 | 16.8 | 3 413 |
| 1993 FV ₁₈ | 1993 04 16.61791 | 12 39 45.55 | +02 57 01.3 | 18.3 | 3 413 | 1993 FU ₂₂ | 1993 04 16.57641 | 12 38 27.05 | -06 53 44.2 | 17.5 | 3 413 |
| 1993 FZ ₁₈ | 1993 04 16.61791 | 12 40 30.01 | +05 18 12.0 | 17.1 | 3 413 | 1993 FU ₂₂ | 1993 04 18.39929 | 12 36 57.79 | -06 44 59.1 | 19.0 | 3 413 |
| 1993 FB ₁₉ | 1993 04 16.61791 | 12 44 17.76 | +04 10 03.7 | 19.0 | 3 413 | 1993 FW ₂₂ | 1993 04 16.57641 | 12 43 29.50 | -08 25 19.5 | 19.0 | 3 413 |
| 1993 FD ₁₉ | 1993 04 16.61791 | 12 44 50.26 | +06 56 39.9 | 17.1 | 3 413 | 1993 FX ₂₂ | 1993 04 16.57641 | 12 39 39.54 | -07 19 56.8 | 17.7 | 3 413 |
| 1993 FE ₁₉ | 1993 04 16.61791 | 12 48 07.68 | +04 58 57.6 | 19.8 | 3 413 | 1993 FX ₂₂ | 1993 04 18.39929 | 12 38 12.34 | -07 10 16.9 | 17.5 | 3 413 |
| 1993 FH ₁₉ | 1993 04 16.61791 | 12 46 14.30 | +06 10 46.2 | 18.8 | 3 413 | 1993 FY ₂₂ | 1993 04 16.57641 | 12 41 44.75 | -08 50 38.7 | 18.8 | 3 413 |
| 1993 FJ ₁₉ | 1993 04 16.61791 | 12 47 04.99 | +06 21 36.6 | 18.2 | 3 413 | 1993 FZ ₂₂ | 1993 04 18.39929 | 12 35 42.50 | -06 06 24.0 | 19.8 | 3 413 |
| 1993 FM ₁₉ | 1993 04 16.61791 | 12 48 45.60 | +05 12 28.1 | 17.1 | 3 413 | 1993 FA ₂₃ | 1993 04 16.57641 | 12 44 12.28 | -06 50 39.6 | 17.3 | 3 413 |
| 1993 FN ₁₉ | 1993 04 16.61791 | 12 43 56.03 | +06 32 53.8 | 18.1 | 3 413 | 1993 FB ₂₃ | 1993 04 16.57641 | 12 45 09.81 | -06 22 06.3 | 17.5 | 3 413 |
| 1993 FO ₁₉ | 1993 04 16.61791 | 12 52 38.75 | +07 06 37.1 | 17.5 | 3 413 | 1993 FC ₂₃ | 1993 04 16.57641 | 12 39 56.27 | -07 07 11.9 | 18.3 | 3 413 |
| 1993 FP ₁₉ | 1993 04 16.61791 | 12 50 33.54 | +03 56 27.6 | 19.8 | 3 413 | 1993 FE ₂₃ | 1993 04 18.39929 | 12 34 58.49 | -07 55 02.9 | 17.5 | 3 413 |
| 1993 FT ₁₉ | 1993 04 16.61791 | 12 42 55.27 | +02 47 16.5 | 17.5 | 3 413 | 1993 FG ₂₃ | 1993 04 16.57641 | 12 38 54.26 | -07 34 44.3 | 17.1 | 3 413 |
| 1993 FY ₁₉ | 1993 04 16.61791 | 12 49 07.91 | +04 53 15.1 | 18.6 | 3 413 | 1993 FG ₂₃ | 1993 04 18.39929 | 12 37 19.60 | -07 22 46.3 | 16.8 | 3 413 |
| 1993 FA ₂₀ | 1993 04 16.61791 | 12 50 17.46 | +05 18 51.0 | 18.3 | 3 413 | 1993 FH ₂₃ | 1993 04 16.57641 | 12 40 48.97 | -06 41 57.8 | 18.3 | 3 413 |
| 1993 FB ₂₀ | 1993 04 16.61791 | 12 46 01.42 | +03 53 29.2 | 19.0 | 3 413 | 1993 FJ ₂₃ | 1993 04 16.57641 | 12 46 42.55 | -06 20 44.0 | 17.4 | 3 413 |
| 1993 FC ₂₀ | 1993 04 16.61791 | 12 48 39.26 | +06 56 16.3 | 17.6 | 3 413 | 1993 FK ₂₃ | 1993 04 16.57641 | 12 43 57.41 | -07 52 04.3 | 16.5 | 3 413 |
| 1993 FD ₂₀ | 1993 04 16.61791 | 12 43 37.05 | +02 43 53.2 | 18.3 | 3 413 | 1993 FO ₂₃ | 1993 04 16.57641 | 12 49 59.48 | -06 02 27.3 | 16.4 | 3 413 |
| 1993 FE ₂₀ | 1993 04 16.61791 | 12 47 48.63 | +04 25 06.4 | 19.0 | 3 413 | 1993 FP ₂₃ | 1993 04 16.57641 | 12 45 22.84 | -07 58 40.0 | 17.8 | 3 413 |
| 1993 FF ₂₀ | 1993 04 16.61791 | 12 49 56.29 | +04 26 26.0 | 19.3 | 3 413 | 1993 FQ ₂₃ | 1993 04 16.57641 | 12 46 05.15 | -07 12 12.2 | 18.2 | 3 413 |
| 1993 FG ₂₀ | 1993 04 17.43889 | 11 55 17.17 | -02 36 20.5 | 19.0 | 3 413 | 1993 FR ₂₃ | 1993 04 16.57641 | 12 43 54.83 | -08 05 33.8 | 17.5 | 3 413 |
| 1993 FJ ₂₀ | 1993 04 17.43889 | 11 56 53.47 | -02 08 46.2 | 19.0 | 3 413 | 1993 FS ₂₃ | 1993 04 16.57641 | 12 48 57.65 | -08 03 35.5 | 18.4 | 3 413 |
| 1993 FK ₂₀ | 1993 04 17.43889 | 12 01 40.37 | -01 24 58.0 | 18.8 | 3 413 | 1993 FT ₂₃ | 1993 04 16.57641 | 12 50 47.08 | -06 59 59.5 | 17.0 | 3 413 |
| 1993 FM ₂₀ | 1993 04 17.43889 | 12 02 20.33 | -02 10 23.9 | 20.0 | 3 413 | 1993 FU ₂₃ | 1993 04 16.57641 | 12 50 58.77 | -06 48 12.6 | 19.0 | 3 413 |
| 1993 FN ₂₀ | 1993 04 17.43889 | 11 58 41.91 | -02 40 03.9 | 18.9 | 3 413 | 1993 FV ₂₃ | 1993 04 16.57641 | 12 47 29.43 | -07 39 35.8 | 17.1 | 3 413 |
| 1993 FQ ₂₀ | 1993 04 16.48568 | 12 37 35.29 | +02 21 53.0 | 18.3 | 3 413 | 1993 FX ₂₃ | 1993 04 16.57641 | 12 52 00.50 | -07 29 38.2 | 18.3 | 3 413 |
| 1993 FT ₂₀ | 1993 04 16.61791 | 12 49 44.13 | +02 11 13.4 | 19.5 | 3 413 | 1993 FY ₂₃ | 1993 04 16.57641 | 12 51 53.31 | -07 46 20.6 | 17.9 | 3 413 |
| 1993 FU ₂₀ | 1993 04 16.61791 | 12 49 34.93 | +02 54 08.0 | 17.9 | 3 413 | 1993 FZ ₂₃ | 1993 04 16.57641 | 12 49 45.62 | -08 20 44.9 | 16.8 | 3 413 |
| 1993 FX ₂₀ | 1993 04 18.43884 | 12 43 24.89 | -03 46 08.9 | 17.5 | 3 413 | 1993 FA ₂₄ | 1993 04 16.57641 | 12 52 41.34 | -06 56 29.4 | 18.9 | 3 413 |
| 1993 FZ ₂₀ | 1993 04 18.43884 | 12 47 11.49 | -03 59 01.8 | 19.0 | 3 413 | 1993 FB ₂₄ | 1993 04 16.57641 | 12 46 12.14 | -08 46 30.1 | 16.9 | 3 413 |
| 1993 FB ₂₁ | 1993 04 18.43884 | 12 50 32.75 | -04 37 01.5 | 17.5 | 3 413 | 1993 FE ₂₄ | 1993 04 21.61042 | 12 13 54.63 | -03 55 47.5 | 17.5 | 3 413 |
| 1993 FF ₂₁ | 1993 04 16.57641 | 12 37 46.71 | -05 53 20.9 | 18.3 | 3 413 | 1993 FG ₂₄ | 1993 04 21.61042 | 12 18 08.05 | -02 18 00.8 | 17.1 | 3 413 |
| 1993 FG ₂₁ | 1993 04 16.57641 | 12 41 15.63 | -05 50 57.0 | 19.8 | 3 413 | 1993 FH ₂₄ | 1993 04 21.61042 | 12 16 57.82 | -03 22 45.2 | 18.0 | 3 413 |
| 1993 FL ₂₁ | 1993 04 18.43884 | 12 44 28.36 | -01 45 45.1 | 18.6 | 3 413 | 1993 FN ₂₄ | 1993 04 21.61042 | 12 15 29.24 | -04 52 27.0 | 18.3 | 3 413 |
| 1993 FN ₂₁ | 1993 04 18.43884 | 12 38 12.51 | -04 20 39.1 | 18.3 | 3 413 | 1993 FO ₂₄ | 1993 04 18.39929 | 12 22 26.09 | -05 25 14.3 | 18.3 | 3 413 |
| 1993 FO ₂₁ | 1993 04 16.57641 | 12 39 53.80 | -05 46 39.4 | 19.0 | 3 413 | 1993 FS ₂₄ | 1993 04 18.39929 | 12 21 34.26 | -05 29 51.9 | 18.4 | 3 413 |
| 1993 FP ₂₁ | 1993 04 16.57641 | 12 40 53.69 | -05 55 32.1 | 19.0 | 3 413 | 1993 FT ₂₄ | 1993 04 21.61042 | 12 25 49.24 | -00 38 18.0 | 17.3 | 3 413 |
| 1993 FR ₂₁ | 1993 04 16.57641 | 12 41 27.44 | -06 25 04.0 | 19.0 | 3 413 | 1993 FU ₂₄ | 1993 04 21.61042 | 12 21 53.26 | -03 56 35.1 | 18.1 | 3 413 |
| 1993 FS ₂₁ | 1993 04 18.43884 | 12 45 31.71 | -03 02 59.1 | 19.0 | 3 413 | 1993 FV ₂₄ | 1993 04 18.39929 | 12 22 42.55 | -05 06 07.3 | 17.5 | 3 413 |
| 1993 FY ₂₁ | 1993 04 18.43884 | 12 47 37.07 | -02 05 30.5 | 16.1 | 3 413 | 1993 FW ₂₄ | 1993 04 21.61042 | 12 17 45.45 | -04 07 51.1 | 17.5 | 3 413 |
| 1993 FZ ₂₁ | 1993 04 16.57641 | 12 44 20.60 | -06 25 43.6 | 17.2 | 3 413 | 1993 FZ ₂₄ | 1993 04 18.39929 | 12 25 49.97 | -06 16 17.3 | 19.6 | 3 413 |
| 1993 FB ₂₂ | 1993 04 16.57641 | 12 44 36.00 | -05 09 01.6 | 18.3 | 3 413 | 1993 FB ₂₅ | 1993 04 21.61042 | 12 27 21.83 | -04 28 02.5 | 18.3 | 3 413 |
| 1993 FC ₂₂ | 1993 04 18.43884 | 12 44 32.46 | -04 17 27.3 | 18.8 | 3 413 | 1993 FD ₂₅ | 1993 04 18.39929 | 12 21 48.47 | -07 01 00.8 | 19.0 | 3 413 |
| 1993 FD ₂₂ | 1993 04 16.57641 | 12 49 49.76 | -05 44 42.2 | 19.2 | 3 413 | 1993 FF ₂₅ | 1993 04 21.61042 | 12 26 30.51 | -03 49 14.4 | 17.6 | 3 413 |
| 1993 FE ₂₂ | 1993 04 16.57641 | 12 46 51.81 | -05 56 51.4 | 19.1 | 3 413 | 1993 FG ₂₅ | 1993 04 21.61042 | 12 28 23.22 | -04 30 15.2 | 16.8 | 3 413 |
| 1993 FF ₂₂ | 1993 04 16.57641 | 12 45 16.16 | -06 34 23.7 | 19.0 | 3 413 | 1993 FH ₂₅ | 1993 04 21.61042 | 12 26 46.82 | -03 34 29.5 | 17.3 | 3 413 |
| 1993 FG ₂₂ | 1993 04 16.57641 | 12 39 49.51 | -09 20 08.5 | 17.5 | 3 413 | 1993 FJ ₂₅ | 1993 04 18.39929 | 12 28 08.54 | -05 52 45.4 | 19.0 | 3 413 |
| 1993 FG ₂₂ | 1993 04 18.39929 | 12 37 42.00 | -09 22 29.2 | 19.0 | 3 413 | 1993 FK ₂₅ | 1993 04 18.39929 | 12 29 10.25 | -04 52 33.6 | 18.3 | 3 413 |
| 1993 FH ₂₂ | 1993 04 16.57641 | 12 52 30.45 | -05 36 04.5 | 17.0 | 3 413 | 1993 FK ₂₅ | 1993 04 21.61042 | 12 26 52.16 | -04 34 54.0 | 18.3 | 3 413 |
| 1993 FO ₂₂ | 1993 04 16.57641 | 12 39 36.64 | -07 04 30.3 | 17.6 | 3 413 | 1993 FL ₂₅ | 1993 04 21.61042 | 12 34 54.13 | -03 06 20.6 | 17.6 | 3 413 |

| | | | | | | | | | | | |
|-----------------------|------------------|-------------|-------------|------|-------|-----------------------|------------------|-------------|-------------|------|-------|
| 1993 FN ₂₅ | 1993 04 21.61042 | 12 28 51.24 | -04 47 36.3 | 17.5 | 3 413 | 1993 FZ ₂₈ | 1993 04 17.48468 | 12 12 45.74 | -07 43 38.3 | 19.0 | 3 413 |
| 1993 FO ₂₅ | 1993 04 21.61042 | 12 27 43.19 | -03 13 57.3 | 17.6 | 3 413 | 1993 FB ₂₉ | 1993 04 17.48468 | 11 53 24.19 | -07 07 02.8 | 18.1 | 3 413 |
| 1993 FP ₂₅ | 1993 04 16.57641 | 12 38 22.54 | -05 32 34.6 | 18.3 | 3 413 | 1993 FD ₂₉ | 1993 04 17.48468 | 11 53 00.30 | -06 01 22.2 | 19.8 | 3 413 |
| 1993 FP ₂₅ | 1993 04 18.39929 | 12 37 14.76 | -05 22 07.3 | 18.3 | 3 413 | 1993 FE ₂₉ | 1993 04 17.48468 | 11 59 18.83 | -06 24 24.3 | 19.0 | 3 413 |
| 1993 FQ ₂₅ | 1993 04 18.39929 | 12 32 43.69 | -06 14 35.1 | 19.2 | 3 413 | 1993 FF ₂₉ | 1993 04 17.48468 | 11 56 42.67 | -05 20 33.8 | 19.0 | 3 413 |
| 1993 FR ₂₅ | 1993 04 18.39929 | 12 33 36.23 | -05 42 59.5 | 18.9 | 3 413 | 1993 FG ₂₉ | 1993 04 17.48468 | 11 56 49.78 | -07 59 51.2 | 19.3 | 3 413 |
| 1993 FS ₂₅ | 1993 04 21.61042 | 12 29 56.23 | -03 49 51.2 | 17.9 | 3 413 | 1993 FJ ₂₉ | 1993 04 17.48468 | 11 52 38.32 | -06 10 06.6 | 18.7 | 3 413 |
| 1993 FW ₂₅ | 1993 04 17.43889 | 12 06 01.12 | -04 31 15.1 | 17.9 | 3 413 | 1993 FK ₂₉ | 1993 04 17.43889 | 11 59 35.08 | -04 15 20.6 | 20.0 | 3 413 |
| 1993 FX ₂₅ | 1993 04 17.48468 | 12 08 25.55 | -05 53 17.2 | 19.0 | 3 413 | 1993 FL ₂₉ | 1993 04 17.48468 | 12 00 06.72 | -05 27 44.7 | 18.7 | 3 413 |
| 1993 FZ ₂₅ | 1993 04 21.61042 | 12 13 22.18 | -03 56 17.1 | 17.5 | 3 413 | 1993 FO ₂₉ | 1993 04 17.48468 | 11 53 59.75 | -08 22 41.7 | 17.5 | 3 413 |
| 1993 FB ₂₆ | 1993 04 17.43889 | 12 09 42.08 | -04 18 01.4 | 17.5 | 3 413 | 1993 FP ₂₉ | 1993 04 17.43889 | 12 01 44.49 | -04 20 28.3 | 17.3 | 3 413 |
| 1993 FE ₂₆ | 1993 04 21.61042 | 12 14 12.02 | -03 49 09.7 | 19.0 | 3 413 | 1993 FQ ₂₉ | 1993 04 17.48468 | 11 59 14.44 | -06 21 54.5 | 19.8 | 3 413 |
| 1993 FF ₂₆ | 1993 04 17.48468 | 12 09 43.46 | -05 09 16.0 | 18.3 | 3 413 | 1993 FR ₂₉ | 1993 04 17.43889 | 12 00 42.77 | -04 31 56.1 | 17.5 | 3 413 |
| 1993 FJ ₂₆ | 1993 04 18.39929 | 12 17 19.39 | -08 31 33.9 | 19.3 | 3 413 | 1993 FS ₂₉ | 1993 04 17.48468 | 11 59 27.25 | -05 56 32.6 | 18.9 | 3 413 |
| 1993 FK ₂₆ | 1993 04 18.39929 | 12 17 06.30 | -07 26 03.7 | 17.5 | 3 413 | 1993 FX ₂₉ | 1993 04 17.48468 | 11 59 41.27 | -06 37 30.5 | 18.1 | 3 413 |
| 1993 FN ₂₆ | 1993 04 18.39929 | 12 21 49.06 | -07 38 54.0 | 20.1 | 3 413 | 1993 FY ₂₉ | 1993 04 17.48468 | 12 00 22.09 | -06 05 32.0 | 19.3 | 3 413 |
| 1993 FO ₂₆ | 1993 04 18.39929 | 12 19 16.47 | -08 52 18.9 | 20.2 | 3 413 | 1993 FC ₃₀ | 1993 04 17.43889 | 12 08 25.37 | -04 18 49.1 | 18.3 | 3 413 |
| 1993 FP ₂₆ | 1993 04 18.39929 | 12 21 02.26 | -07 41 04.3 | 19.8 | 3 413 | 1993 FD ₃₀ | 1993 04 17.48468 | 12 04 55.69 | -05 59 43.7 | 19.0 | 3 413 |
| 1993 FQ ₂₆ | 1993 04 18.39929 | 12 18 44.44 | -05 46 24.0 | 19.2 | 3 413 | 1993 FF ₃₀ | 1993 04 17.48468 | 12 04 34.81 | -06 22 58.4 | 19.0 | 3 413 |
| 1993 FS ₂₆ | 1993 04 18.39929 | 12 20 57.45 | -07 19 42.3 | 20.4 | 3 413 | 1993 FG ₃₀ | 1993 04 17.48468 | 12 09 25.63 | -06 05 24.6 | 19.3 | 3 413 |
| 1993 FT ₂₆ | 1993 04 18.39929 | 12 20 38.28 | -06 06 55.6 | 21.0 | 3 413 | 1993 FK ₃₀ | 1993 04 17.48468 | 12 05 39.75 | -06 26 50.2 | 19.2 | 3 413 |
| 1993 FV ₂₆ | 1993 04 18.39929 | 12 22 43.00 | -06 07 32.1 | 19.1 | 3 413 | 1993 FN ₃₀ | 1993 04 17.48468 | 12 04 59.76 | -05 06 19.9 | 18.3 | 3 413 |
| 1993 FW ₂₆ | 1993 04 18.39929 | 12 25 17.64 | -07 25 12.3 | 21.2 | 3 413 | 1993 FO ₃₀ | 1993 04 17.48468 | 12 06 26.60 | -07 22 30.5 | 18.8 | 3 413 |
| 1993 FX ₂₆ | 1993 04 18.39929 | 12 27 55.00 | -07 35 36.3 | | 3 413 | 1993 FP ₃₀ | 1993 04 17.48468 | 12 12 08.36 | -07 30 54.4 | 17.5 | 3 413 |
| 1993 FY ₂₆ | 1993 04 18.39929 | 12 30 35.00 | -04 49 54.9 | 17.5 | 3 413 | 1993 FQ ₃₀ | 1993 04 17.43889 | 12 07 33.58 | -04 49 07.8 | 19.0 | 3 413 |
| 1993 FZ ₂₆ | 1993 04 18.39929 | 12 29 38.64 | -05 57 52.4 | 17.9 | 3 413 | 1993 FR ₃₀ | 1993 04 17.48468 | 12 08 38.31 | -05 20 35.9 | 18.3 | 3 413 |
| 1993 FA ₂₇ | 1993 04 18.39929 | 12 26 05.68 | -06 07 05.3 | 20.6 | 3 413 | 1993 FS ₃₀ | 1993 04 17.48468 | 12 11 00.39 | -07 21 58.4 | 18.3 | 3 413 |
| 1993 FC ₂₇ | 1993 04 18.39929 | 12 29 18.66 | -07 10 45.9 | 19.9 | 3 413 | 1993 FT ₃₀ | 1993 04 17.48468 | 12 10 13.57 | -05 38 21.7 | 18.3 | 3 413 |
| 1993 FD ₂₇ | 1993 04 18.43884 | 12 45 42.08 | -03 53 28.7 | 18.1 | 3 413 | 1993 FY ₃₀ | 1993 04 16.61791 | 12 41 11.07 | +02 43 02.4 | 17.7 | 3 413 |
| 1993 FE ₂₇ | 1993 04 18.43884 | 12 48 15.34 | -04 06 40.5 | 19.4 | 3 413 | 1993 FD ₃₁ | 1993 04 21.61042 | 12 35 03.85 | +01 19 05.3 | 18.3 | 3 413 |
| 1993 FH ₂₇ | 1993 04 17.43889 | 11 56 32.72 | -04 04 44.8 | 18.3 | 3 413 | 1993 FE ₃₁ | 1993 04 16.61791 | 12 43 52.61 | +03 07 27.7 | 16.6 | 3 413 |
| 1993 FK ₂₇ | 1993 04 17.43889 | 11 53 53.24 | -03 59 33.9 | 18.9 | 3 413 | 1993 FL ₃₁ | 1993 04 16.61791 | 12 42 48.77 | +01 24 05.5 | 17.5 | 3 413 |
| 1993 FM ₂₇ | 1993 04 17.48468 | 11 54 27.74 | -05 12 46.3 | 19.8 | 3 413 | 1993 FS ₃₁ | 1993 04 18.43884 | 12 39 35.82 | +00 33 57.4 | 17.6 | 3 413 |
| 1993 FN ₂₇ | 1993 04 17.48468 | 11 55 04.63 | -06 16 23.0 | 19.3 | 3 413 | 1993 FS ₃₁ | 1993 04 21.61042 | 12 36 56.93 | +00 42 20.7 | 17.5 | 3 413 |
| 1993 FO ₂₇ | 1993 04 17.43889 | 12 01 20.38 | -04 07 47.0 | 19.0 | 3 413 | 1993 FT ₃₁ | 1993 04 16.61791 | 12 41 55.75 | +02 17 26.0 | 17.5 | 3 413 |
| 1993 FR ₂₇ | 1993 04 17.43889 | 12 01 54.00 | -02 28 38.5 | 19.0 | 3 413 | 1993 FV ₃₁ | 1993 04 18.43884 | 12 44 37.51 | +01 18 14.2 | 16.8 | 3 413 |
| 1993 FS ₂₇ | 1993 04 17.43889 | 12 05 32.67 | -04 00 34.7 | 18.5 | 3 413 | 1993 FW ₃₁ | 1993 04 18.43884 | 12 47 43.83 | -00 25 39.5 | 16.2 | 3 413 |
| 1993 FU ₂₇ | 1993 04 17.48468 | 12 03 46.50 | -05 22 50.5 | 16.8 | 3 413 | 1993 FX ₃₁ | 1993 04 18.43884 | 12 47 11.42 | +01 12 07.5 | 18.3 | 3 413 |
| 1993 FV ₂₇ | 1993 04 17.43889 | 12 02 29.38 | -03 38 49.3 | 18.4 | 3 413 | 1993 FY ₃₁ | 1993 04 18.43884 | 12 43 28.32 | +00 23 51.6 | 19.8 | 3 413 |
| 1993 FY ₂₇ | 1993 04 17.43889 | 12 03 20.08 | -03 40 23.4 | 19.0 | 3 413 | 1993 FZ ₃₁ | 1993 04 16.61791 | 12 48 47.37 | +02 13 15.3 | 19.0 | 3 413 |
| 1993 FZ ₂₇ | 1993 04 17.43889 | 12 08 47.38 | -04 45 21.5 | 19.0 | 3 413 | 1993 FB ₃₂ | 1993 04 18.43884 | 12 48 32.20 | -01 38 26.4 | 18.3 | 3 413 |
| 1993 FA ₂₈ | 1993 04 17.43889 | 12 03 01.78 | -04 34 09.4 | 18.3 | 3 413 | 1993 FF ₃₂ | 1993 04 18.43884 | 12 48 25.23 | -00 18 28.8 | 18.3 | 3 413 |
| 1993 FB ₂₈ | 1993 04 17.43889 | 12 07 19.78 | -04 28 32.0 | 18.3 | 3 413 | 1993 FH ₃₂ | 1993 04 17.48468 | 11 54 57.46 | -07 16 27.0 | 17.5 | 3 413 |
| 1993 FF ₂₈ | 1993 04 17.43889 | 12 06 08.52 | -02 20 21.3 | 18.5 | 3 413 | 1993 FJ ₃₂ | 1993 04 17.48468 | 11 55 02.60 | -07 47 01.8 | 18.3 | 3 413 |
| 1993 FK ₂₈ | 1993 04 17.43889 | 12 10 09.48 | -03 57 25.5 | 18.3 | 3 413 | 1993 FK ₃₂ | 1993 04 17.48468 | 11 59 40.05 | -05 08 54.1 | 16.8 | 3 413 |
| 1993 FM ₂₈ | 1993 04 17.43889 | 12 08 51.59 | -04 00 52.4 | 18.7 | 3 413 | 1993 FM ₃₂ | 1993 04 17.48468 | 11 58 08.89 | -08 16 59.8 | 18.9 | 3 413 |
| 1993 FN ₂₈ | 1993 04 17.48468 | 12 10 39.25 | -06 03 43.3 | 17.5 | 3 413 | 1993 FP ₃₂ | 1993 04 18.43884 | 12 46 47.58 | -02 36 40.1 | 19.0 | 3 413 |
| 1993 FR ₂₈ | 1993 04 17.48468 | 12 10 34.46 | -05 10 27.3 | 17.5 | 3 413 | 1993 FQ ₃₂ | 1993 04 18.43884 | 12 52 31.76 | -03 45 14.0 | 17.9 | 3 413 |
| 1993 FS ₂₈ | 1993 04 17.48468 | 12 10 18.54 | -05 45 40.7 | 18.3 | 3 413 | 1993 FT ₃₂ | 1993 04 21.61042 | 12 34 25.48 | +00 58 19.7 | 18.2 | 3 413 |
| 1993 FU ₂₈ | 1993 04 17.48468 | 12 10 35.00 | -06 19 38.5 | 17.5 | 3 413 | 1993 FV ₃₂ | 1993 04 21.61042 | 12 29 53.21 | +01 03 11.1 | 18.2 | 3 413 |
| 1993 FV ₂₈ | 1993 04 17.48468 | 12 11 27.35 | -05 21 25.7 | 19.0 | 3 413 | 1993 FB ₃₃ | 1993 04 18.43884 | 12 40 18.26 | +00 13 34.8 | 18.3 | 3 413 |
| 1993 FX ₂₈ | 1993 04 18.39929 | 12 15 13.83 | -06 17 56.2 | 20.6 | 3 413 | 1993 FD ₃₃ | 1993 04 18.43884 | 12 43 33.51 | +00 04 56.0 | 19.0 | 3 413 |

| | | | | | | | | | | | |
|-----------------------|------------------|-------------|-------------|------|-------|-----------------------|------------------|-------------|-------------|------|-------|
| 1993 FE ₃₃ | 1993 04 18.43884 | 12 40 42.19 | +00 40 11.6 | 19.8 | 3 413 | 1993 FT ₃₇ | 1993 04 18.43884 | 12 48 03.01 | -02 29 14.8 | 16.0 | 3 413 |
| 1993 FG ₃₃ | 1993 04 18.43884 | 12 42 54.33 | +00 05 27.5 | 19.0 | 3 413 | 1993 FU ₃₇ | 1993 04 18.43884 | 12 41 35.54 | -03 30 03.2 | 17.5 | 3 413 |
| 1993 FJ ₃₃ | 1993 04 18.43884 | 12 42 44.01 | -01 00 20.9 | 17.5 | 3 413 | 1993 FW ₃₇ | 1993 04 18.43884 | 12 52 10.79 | +00 12 51.7 | 16.0 | 3 413 |
| 1993 FK ₃₃ | 1993 04 18.43884 | 12 46 35.84 | +00 31 39.3 | 17.4 | 3 413 | 1993 FX ₃₇ | 1993 04 18.43884 | 12 47 53.19 | -03 05 54.4 | 17.1 | 3 413 |
| 1993 FL ₃₃ | 1993 04 18.43884 | 12 41 50.10 | -00 30 43.7 | 19.0 | 3 413 | 1993 FA ₃₈ | 1993 04 16.57641 | 12 46 28.67 | -05 20 38.3 | 19.0 | 3 413 |
| 1993 FN ₃₃ | 1993 04 18.43884 | 12 43 55.17 | -01 37 00.9 | 18.3 | 3 413 | 1993 FE ₃₈ | 1993 04 16.48568 | 12 15 55.93 | +02 28 24.7 | 17.3 | 3 413 |
| 1993 FO ₃₃ | 1993 04 18.43884 | 12 40 27.60 | -00 06 03.5 | 16.0 | 3 413 | 1993 FH ₃₈ | 1993 04 16.48568 | 12 16 35.27 | +01 48 05.0 | 17.8 | 3 413 |
| 1993 FP ₃₃ | 1993 04 18.43884 | 12 44 00.14 | +00 36 14.5 | 19.0 | 3 413 | 1993 FJ ₃₈ | 1993 04 16.48568 | 12 23 08.52 | +02 05 53.1 | 18.3 | 3 413 |
| 1993 FT ₃₃ | 1993 04 18.43884 | 12 45 50.11 | -01 14 17.2 | 16.5 | 3 413 | 1993 FK ₃₈ | 1993 04 16.48568 | 12 23 54.04 | +01 45 39.5 | 18.3 | 3 413 |
| 1993 FC ₃₄ | 1993 04 18.43884 | 12 48 16.36 | -01 21 04.6 | 18.3 | 3 413 | 1993 FN ₃₈ | 1993 04 16.48568 | 12 22 15.95 | +02 01 49.2 | 16.7 | 3 413 |
| 1993 FJ ₃₄ | 1993 04 16.61791 | 12 54 45.36 | +02 46 57.7 | 19.1 | 3 413 | 1993 FU ₃₈ | 1993 04 21.61042 | 12 23 50.71 | +00 52 27.7 | 17.8 | 3 413 |
| 1993 FL ₃₄ | 1993 04 16.48568 | 12 15 28.52 | +04 16 29.6 | 17.4 | 3 413 | 1993 FX ₃₈ | 1993 04 16.48568 | 12 25 40.58 | +01 59 01.7 | 17.0 | 3 413 |
| 1993 FM ₃₄ | 1993 04 16.48568 | 12 18 46.08 | +06 27 47.5 | 19.8 | 3 413 | 1993 FL ₃₉ | 1993 04 21.61042 | 12 23 23.43 | -00 47 48.9 | 18.8 | 3 413 |
| 1993 FN ₃₄ | 1993 04 16.48568 | 12 25 50.33 | +03 52 20.6 | 18.9 | 3 413 | 1993 FM ₃₉ | 1993 04 21.61042 | 12 22 04.58 | -03 20 38.8 | 19.0 | 3 413 |
| 1993 FO ₃₄ | 1993 04 18.43884 | 12 37 55.18 | +00 20 12.7 | 16.8 | 3 413 | 1993 FN ₃₉ | 1993 04 18.39929 | 12 27 03.03 | -05 38 52.0 | 20.6 | 3 413 |
| 1993 FQ ₃₄ | 1993 04 21.61042 | 12 36 00.15 | +00 37 52.8 | 17.8 | 3 413 | 1993 FS ₃₉ | 1993 04 21.61042 | 12 32 49.21 | -02 19 38.2 | 17.8 | 3 413 |
| 1993 FR ₃₄ | 1993 04 21.61042 | 12 27 15.38 | -02 01 26.3 | 18.8 | 3 413 | 1993 FW ₃₉ | 1993 04 17.43889 | 12 10 38.65 | +00 27 01.0 | 18.3 | 3 413 |
| 1993 FS ₃₄ | 1993 04 21.61042 | 12 35 07.53 | +00 06 48.6 | 16.7 | 3 413 | 1993 FD ₄₀ | 1993 04 16.48568 | 12 19 30.78 | +01 37 47.6 | 18.3 | 3 413 |
| 1993 FT ₃₄ | 1993 04 18.43884 | 12 36 49.89 | -01 53 33.6 | 17.5 | 3 413 | 1993 FF ₄₀ | 1993 04 16.48568 | 12 23 55.87 | +01 46 05.0 | 17.5 | 3 413 |
| 1993 FW ₃₄ | 1993 04 18.43884 | 12 40 20.57 | +00 48 16.8 | 18.3 | 3 413 | 1993 FJ ₄₀ | 1993 04 16.48568 | 12 22 03.42 | +02 02 30.9 | 17.7 | 3 413 |
| 1993 FX ₃₄ | 1993 04 21.61042 | 12 39 32.78 | -00 42 38.0 | 18.5 | 3 413 | 1993 FK ₄₀ | 1993 04 16.48568 | 12 27 12.01 | +03 02 27.8 | 17.8 | 3 413 |
| 1993 FY ₃₄ | 1993 04 21.61042 | 12 37 31.56 | -00 29 52.7 | 18.3 | 3 413 | 1993 FN ₄₀ | 1993 04 21.61042 | 12 22 23.95 | +00 03 03.7 | 17.7 | 3 413 |
| 1993 FB ₃₅ | 1993 04 18.43884 | 12 34 31.92 | +01 18 27.3 | 18.3 | 3 413 | 1993 FO ₄₀ | 1993 04 21.61042 | 12 15 51.71 | +00 51 25.1 | 18.1 | 3 413 |
| 1993 FC ₃₅ | 1993 04 21.61042 | 12 40 39.50 | -01 00 05.0 | 19.0 | 3 413 | 1993 FX ₄₀ | 1993 04 16.48568 | 12 30 28.69 | +01 52 21.9 | 17.6 | 3 413 |
| 1993 FD ₃₅ | 1993 04 18.43884 | 12 32 33.10 | +00 23 22.5 | 18.1 | 3 413 | 1993 FZ ₄₀ | 1993 04 21.61042 | 12 19 59.80 | +00 50 04.8 | 18.1 | 3 413 |
| 1993 FE ₃₅ | 1993 04 18.43884 | 12 40 29.73 | -00 39 35.3 | 17.0 | 3 413 | 1993 FC ₄₁ | 1993 04 16.48568 | 12 33 51.20 | +01 50 29.7 | 17.6 | 3 413 |
| 1993 FF ₃₅ | 1993 04 21.61042 | 12 32 30.74 | -02 08 50.1 | 17.1 | 3 413 | 1993 FE ₄₁ | 1993 04 21.61042 | 12 28 54.53 | +00 04 59.4 | 18.9 | 3 413 |
| 1993 FG ₃₅ | 1993 04 18.43884 | 12 39 52.16 | -02 13 04.7 | 19.8 | 3 413 | 1993 FL ₄₁ | 1993 04 16.48568 | 12 29 48.45 | +01 38 43.6 | 18.3 | 3 413 |
| 1993 FH ₃₅ | 1993 04 21.61042 | 12 37 19.19 | -02 01 00.3 | 18.3 | 3 413 | 1993 FN ₄₁ | 1993 04 21.61042 | 12 15 07.30 | -02 04 39.6 | 17.5 | 3 413 |
| 1993 FI ₃₅ | 1993 04 18.43884 | 12 41 46.04 | -00 50 26.8 | 17.5 | 3 413 | 1993 FT ₄₁ | 1993 04 21.61042 | 12 14 02.56 | -02 03 13.3 | 16.8 | 3 413 |
| 1993 FJ ₃₅ | 1993 04 18.43884 | 12 44 53.88 | -02 11 51.3 | 16.8 | 3 413 | 1993 FW ₄₁ | 1993 04 17.43889 | 12 12 45.23 | -02 16 31.7 | 19.0 | 3 413 |
| 1993 FK ₃₅ | 1993 04 18.43884 | 12 47 47.51 | -01 32 57.3 | 17.8 | 3 413 | 1993 FC ₄₂ | 1993 04 21.61042 | 12 19 26.12 | -02 57 02.3 | 17.7 | 3 413 |
| 1993 FL ₃₅ | 1993 04 18.43884 | 12 46 04.30 | -00 53 29.9 | 19.8 | 3 413 | 1993 FG ₄₂ | 1993 04 21.61042 | 12 25 12.97 | -01 42 59.3 | 17.5 | 3 413 |
| 1993 FM ₃₅ | 1993 04 21.61042 | 12 26 18.90 | -04 13 38.5 | 17.5 | 3 413 | 1993 FT ₄₂ | 1993 04 21.61042 | 12 21 51.08 | -01 24 25.7 | 17.5 | 3 413 |
| 1993 FN ₃₅ | 1993 04 18.43884 | 12 39 22.05 | -04 06 10.7 | 18.6 | 3 413 | 1993 FU ₄₂ | 1993 04 21.61042 | 12 26 02.09 | +00 11 00.2 | 17.0 | 3 413 |
| 1993 FO ₃₅ | 1993 04 18.43884 | 12 49 01.70 | -01 17 38.7 | 18.0 | 3 413 | 1993 FC ₄₃ | 1993 04 17.43889 | 12 07 31.70 | +00 10 37.2 | 19.0 | 3 413 |
| 1993 FP ₃₅ | 1993 04 18.43884 | 12 48 49.84 | +00 55 21.3 | 19.0 | 3 413 | 1993 FF ₄₃ | 1993 04 16.48568 | 12 14 47.68 | +02 28 37.7 | 18.9 | 3 413 |
| 1993 FQ ₃₅ | 1993 04 18.43884 | 12 42 46.07 | -02 29 42.9 | 17.5 | 3 413 | 1993 FH ₄₃ | 1993 04 17.43889 | 12 06 50.67 | -00 11 21.8 | 18.3 | 3 413 |
| 1993 FR ₃₅ | 1993 04 18.43884 | 12 46 59.36 | -00 45 21.0 | 18.6 | 3 413 | 1993 FW ₄₃ | 1993 04 17.43889 | 12 09 37.29 | +00 28 24.6 | 20.1 | 3 413 |
| 1993 FS ₃₅ | 1993 04 18.43884 | 12 50 25.95 | -00 47 40.3 | 16.4 | 3 413 | 1993 FB ₄₄ | 1993 04 21.61042 | 12 15 38.52 | -02 30 24.5 | 18.2 | 3 413 |
| 1993 FT ₃₅ | 1993 04 18.43884 | 12 48 37.98 | -00 53 40.6 | 17.7 | 3 413 | 1993 FR ₄₄ | 1993 04 17.43889 | 12 00 52.30 | -03 58 19.2 | 17.4 | 3 413 |
| 1993 FU ₃₅ | 1993 04 18.43884 | 12 54 03.89 | -01 01 52.7 | 19.0 | 3 413 | 1993 FV ₄₄ | 1993 04 17.43889 | 11 58 12.82 | +01 04 11.5 | 18.3 | 3 413 |
| 1993 FV ₃₅ | 1993 04 21.61042 | 12 31 28.11 | +00 49 44.6 | 17.6 | 3 413 | 1993 FX ₄₄ | 1993 04 16.52653 | 12 00 38.74 | +03 07 53.3 | 19.0 | 3 413 |
| 1993 FW ₃₅ | 1993 04 21.61042 | 12 29 46.75 | +00 07 30.5 | 17.8 | 3 413 | 1993 FY ₄₄ | 1993 04 16.52653 | 12 04 10.92 | +01 20 46.2 | 17.5 | 3 413 |
| 1993 FX ₃₅ | 1993 04 21.61042 | 12 27 26.02 | -01 07 33.9 | 16.7 | 3 413 | 1993 FZ ₄₄ | 1993 04 16.52653 | 12 04 03.17 | +01 29 57.0 | 17.5 | 3 413 |
| 1993 FY ₃₅ | 1993 04 21.61042 | 12 31 33.31 | +01 16 54.8 | 17.5 | 3 413 | 1993 FA ₄₅ | 1993 04 17.43889 | 11 55 43.02 | +00 17 05.2 | 18.3 | 3 413 |
| 1993 FZ ₃₅ | 1993 04 21.61042 | 12 34 06.34 | +00 17 39.2 | 18.2 | 3 413 | 1993 FC ₄₅ | 1993 04 16.52653 | 12 03 07.94 | +01 45 33.3 | 19.0 | 3 413 |
| 1993 FA ₃₇ | 1993 04 18.43884 | 12 38 01.14 | -03 38 01.7 | 19.0 | 3 413 | 1993 FG ₄₅ | 1993 04 17.43889 | 12 03 31.53 | +00 30 36.0 | 19.9 | 3 413 |
| 1993 FB ₃₇ | 1993 04 18.43884 | 12 41 25.64 | -02 40 58.4 | 18.3 | 3 413 | 1993 FJ ₄₅ | 1993 04 16.52653 | 12 08 06.97 | +01 47 17.5 | 19.1 | 3 413 |
| 1993 FC ₃₇ | 1993 04 18.43884 | 12 44 27.04 | -02 31 55.3 | 18.3 | 3 413 | 1993 FL ₄₅ | 1993 04 17.43889 | 12 09 14.39 | +01 21 01.5 | 17.5 | 3 413 |
| 1993 FD ₃₇ | 1993 04 18.43884 | 12 43 27.68 | -02 09 25.1 | 19.0 | 3 413 | 1993 FM ₄₅ | 1993 04 17.43889 | 12 04 26.62 | +01 06 51.1 | 17.5 | 3 413 |
| 1993 FE ₃₇ | 1993 04 18.43884 | 12 45 07.20 | -02 20 42.8 | 19.8 | 3 413 | 1993 FO ₄₅ | 1993 04 17.43889 | 12 03 23.47 | +00 34 11.0 | 18.3 | 3 413 |

| | | | | | | | | | | | |
|-----------------------|------------------|-------------|-------------|------|-------|----------------------|--------------------|-------------|-------------|--------|-------|
| 1993 FQ ₄₅ | 1993 04 16.48568 | 12 13 21.04 | +02 07 53.8 | 17.5 | 3 413 | 1993 HL ₅ | 1993 04 17.43889 | 12 13 14.24 | -00 33 45.7 | 17.5 | 3 413 |
| 1993 FV ₄₅ | 1993 04 16.52653 | 12 08 54.56 | +02 16 24.3 | 17.8 | 3 413 | 1993 HL ₆ | 1993 04 17.48468 | 11 54 45.40 | -05 24 48.5 | 16.0 | 3 413 |
| 1993 FY ₄₅ | 1993 04 17.43889 | 12 12 10.01 | -00 09 59.5 | 19.0 | 3 413 | 1993 VB ₅ | 1974 12 06.50704 | 02 29 51.00 | -28 16 38.9 | 16.5 V | 413 |
| 1993 FA ₄₆ | 1993 04 17.43889 | 12 13 00.34 | -02 07 52.9 | 18.3 | 3 413 | 1993 VB ₅ | 1974 12 06.53482 | 02 29 50.62 | -28 16 19.5 | | 413 |
| 1993 FC ₄₆ | 1993 04 17.43889 | 12 10 18.04 | -01 38 13.7 | 19.0 | 3 413 | 1993 VB ₅ | 1981 02 02.69387 | 12 01 32.66 | +02 59 29.7 | 17 V | 413 |
| 1993 FG ₄₆ | 1993 04 17.48468 | 12 05 38.64 | -05 40 19.6 | 17.5 | 3 413 | 1993 VB ₅ | 1981 02 02.72512 | 12 01 32.73 | +02 58 57.2 | | 413 |
| 1993 FJ ₄₆ | 1993 04 17.43889 | 12 10 20.92 | -02 00 26.6 | 17.5 | 3 413 | 1994 AE ₂ | 1982 08 20.58017 | 22 21 08.51 | -20 53 07.7 | | 413 |
| 1993 FL ₄₆ | 1993 04 17.43889 | 11 52 28.39 | -00 05 34.0 | 19.3 | 3 413 | 1994 AE ₂ | 1982 08 20.62184 | 22 21 05.90 | -20 53 27.9 | | 413 |
| 1993 FS ₄₆ | 1993 04 16.52653 | 11 57 34.53 | +01 59 00.9 | 18.3 | 3 413 | 1994 CD ₈ | 1994 02 20.64229 | 11 23 24.35 | -01 39 44.7 | | 413 |
| 1993 FD ₄₇ | 1993 04 17.43889 | 12 03 31.72 | +00 53 07.6 | 18.3 | 3 413 | 1994 CD ₈ | 1994 02 20.70062 | 11 23 21.60 | -01 39 28.3 | | 413 |
| 1993 FE ₄₇ | 1993 04 17.43889 | 12 04 45.38 | -00 01 54.2 | 18.9 | 3 413 | 1994 CD ₈ | 1994 03 12.54994 | 11 05 52.96 | +00 25 18.6 | 16.5 V | 413 |
| 1993 FH ₄₇ | 1993 04 17.43889 | 11 56 31.48 | -00 02 13.3 | 18.9 | 3 413 | 1994 CD ₈ | 1994 03 12.59855 | 11 05 50.20 | +00 25 40.2 | | 413 |
| 1993 FK ₄₇ | 1993 04 17.43889 | 12 05 03.73 | +00 15 00.8 | 18.9 | 3 413 | 1994 EA ₂ | 1994 03 12.59855 | 11 03 36.21 | +00 15 24.6 | 16 V | 413 |
| 1993 FS ₄₇ | 1993 04 17.43889 | 12 02 06.67 | -00 39 44.0 | 18.9 | 3 413 | 1994 EA ₂ | 1994 04 05.49341 | 11 02 32.57 | +05 52 20.8 | 17 V | 413 |
| 1993 FT ₄₇ | 1993 04 17.43889 | 12 06 00.78 | -00 26 24.7 | 19.5 | 3 413 | 1994 EA ₂ | 1994 04 05.56811 | 11 02 33.58 | +05 53 05.9 | | 413 |
| 1993 FC ₄₈ | 1993 04 17.43889 | 12 07 32.39 | +00 15 47.9 | 18.0 | 3 413 | 1994 EA ₂ | 1994 04 07.59208 | 11 03 13.96 | +06 12 58.8 | | 413 |
| 1993 FD ₄₈ | 1993 04 17.43889 | 12 06 59.59 | -00 29 11.2 | 17.9 | 3 413 | 1994 EA ₂ | 1994 05 02.41435 | 11 21 38.82 | +08 02 16.0 | | 413 |
| 1993 FE ₄₈ | 1993 04 17.43889 | 11 55 56.42 | +00 05 06.6 | 17.6 | 3 413 | 1994 EA ₂ | 1994 05 02.41811 | 11 21 39.05 | +08 02 15.9 | | 413 |
| 1993 FJ ₄₈ | 1993 04 17.43889 | 11 57 08.71 | +00 09 50.3 | 19.2 | 3 413 | 1994 EA ₂ | 1994 05 02.42127 | 11 21 39.24 | +08 02 15.8 | | 413 |
| 1993 FK ₄₈ | 1993 04 17.43889 | 11 56 07.51 | +00 44 27.0 | 18.6 | 3 413 | 1994 EO ₂ | 1994 04 02.46720 | 11 56 29.09 | +00 01 18.0 | | 413 |
| 1993 FO ₄₈ | 1993 04 17.43889 | 11 58 45.68 | -00 11 06.0 | 18.7 | 3 413 | 1994 EO ₂ | 1994 04 02.47635 | 11 56 28.30 | +00 01 15.7 | | 413 |
| 1993 FP ₄₈ | 1993 04 17.43889 | 11 57 22.20 | -00 58 47.3 | 19.1 | 3 413 | 1994 EQ ₃ | 1984 03 07.72909 | 13 48 07.47 | -02 10 20.4 | | 413 |
| 1993 FQ ₄₈ | 1993 04 17.43889 | 11 53 02.28 | -00 25 48.6 | 18.7 | 3 413 | 1994 FP | 1994 04 02.47177 | 11 57 10.92 | +01 21 49.5 | | 413 |
| 1993 FT ₄₈ | 1993 04 17.43889 | 12 00 27.89 | -01 00 55.4 | 18.1 | 3 413 | 1994 FP | 1994 04 02.48099 | 11 57 10.16 | +01 21 46.6 | | 413 |
| 1993 FV ₄₈ | 1993 04 16.52653 | 12 01 44.95 | +01 46 12.2 | 17.1 | 3 413 | 1994 FT | * 1994 03 20.62366 | 12 56 46.36 | -39 49 44.2 | 17 V | 413 |
| 1993 FA ₄₉ | 1993 04 17.43889 | 11 57 22.54 | -00 24 27.2 | 18.5 | 3 413 | 1994 FT | 1994 03 20.67574 | 12 56 43.49 | -39 49 51.1 | | 413 |
| 1993 FD ₄₉ | 1993 04 17.43889 | 12 02 43.54 | -01 09 41.1 | 18.3 | 3 413 | 1994 FT | 1994 03 22.66201 | 12 54 49.28 | -39 54 01.3 | | 413 |
| 1993 FF ₄₉ | 1993 04 17.43889 | 12 05 35.35 | -01 21 22.4 | 18.3 | 3 413 | 1994 FT | 1994 03 22.66591 | 12 54 49.05 | -39 54 01.6 | | 413 |
| 1993 FG ₄₉ | 1993 04 17.43889 | 12 07 31.19 | -01 50 02.7 | 19.2 | 3 413 | 1994 FU | 1994 03 12.67806 | 12 58 46.93 | -30 29 49.5 | | 413 |
| 1993 FH ₄₉ | 1993 04 17.43889 | 12 08 40.47 | -00 56 34.8 | 19.2 | 3 413 | 1994 FU | 1994 03 12.72667 | 12 58 44.84 | -30 29 27.6 | | 413 |
| 1993 FN ₄₉ | 1993 04 17.43889 | 12 06 57.49 | -00 55 50.3 | 19.0 | 3 413 | 1994 FU | * 1994 03 21.68811 | 12 52 02.51 | -29 02 47.0 | 18.5 V | 413 |
| 1993 FZ ₄₉ | 1993 04 17.43889 | 11 52 48.51 | -01 13 48.7 | 17.5 | 3 413 | 1994 FU | 1994 03 21.72978 | 12 52 00.40 | -29 02 18.5 | | 413 |
| 1993 FB ₅₀ | 1993 04 17.43889 | 11 49 51.56 | -04 16 22.9 | 19.9 | 3 413 | 1994 FU | 1994 03 23.72709 | 12 50 20.27 | -28 38 06.7 | | 413 |
| 1993 FF ₅₀ | 1993 04 17.43889 | 11 54 33.88 | -01 22 35.9 | 19.5 | 3 413 | 1994 FU | 1994 03 23.73071 | 12 50 20.08 | -28 38 03.7 | | 413 |
| 1993 FG ₅₀ | 1993 04 17.43889 | 11 56 59.08 | -02 28 38.4 | 19.7 | 3 413 | 1994 FV | 1994 03 12.67806 | 13 10 18.56 | -29 08 39.7 | | 413 |
| 1993 FJ ₅₀ | 1993 04 17.43889 | 11 56 23.53 | -01 40 38.8 | 18.0 | 3 413 | 1994 FV | 1994 03 12.72667 | 13 10 14.99 | -29 09 14.4 | | 413 |
| 1993 FL ₅₀ | 1993 04 17.43889 | 12 00 44.12 | -02 49 52.6 | 19.1 | 3 413 | 1994 FV | * 1994 03 21.68811 | 12 56 50.69 | -30 57 53.8 | 18 V | 413 |
| 1993 FM ₅₀ | 1993 04 17.43889 | 12 04 50.00 | -01 42 18.8 | 18.4 | 3 413 | 1994 FV | 1994 03 21.72978 | 12 56 46.41 | -30 58 17.9 | | 413 |
| 1993 FN ₅₀ | 1993 04 17.43889 | 11 58 45.62 | +00 13 28.2 | 19.2 | 3 413 | 1994 FV | 1994 03 22.75466 | 12 55 04.19 | -31 08 26.4 | | 413 |
| 1993 FO ₅₀ | 1993 04 17.43889 | 11 59 29.33 | -01 30 54.0 | 20.2 | 3 413 | 1994 FV | 1994 03 22.75724 | 12 55 03.93 | -31 08 28.0 | | 413 |
| 1993 FQ ₅₀ | 1993 04 17.43889 | 11 55 57.08 | -02 22 17.9 | 19.1 | 3 413 | 1994 FV | 1994 03 23.73605 | 12 53 24.90 | -31 17 40.7 | | 413 |
| 1993 FS ₅₀ | 1993 04 17.43889 | 11 59 43.11 | -02 00 46.7 | 19.6 | 3 413 | 1994 FV | 1994 03 23.73886 | 12 53 24.59 | -31 17 42.2 | | 413 |
| 1993 FV ₅₀ | 1993 04 17.43889 | 12 04 01.90 | -02 16 38.2 | 19.2 | 3 413 | 1994 FW | 1994 03 12.67806 | 13 05 00.05 | -27 02 58.0 | | 413 |
| 1993 FX ₅₀ | 1993 04 17.43889 | 12 07 33.89 | -01 42 00.3 | 18.5 | 3 413 | 1994 FW | 1994 03 12.72667 | 13 04 57.88 | -27 03 17.7 | | 413 |
| 1993 FC ₅₁ | 1993 04 17.43889 | 12 07 43.91 | -02 17 34.0 | 19.4 | 3 413 | 1994 FW | * 1994 03 21.68811 | 12 57 43.44 | -27 51 12.1 | 16.5 V | 413 |
| 1993 FG ₅₁ | 1993 04 17.43889 | 12 11 18.23 | -01 46 02.2 | 19.0 | 3 413 | 1994 FW | 1994 03 21.72978 | 12 57 41.00 | -27 51 20.7 | | 413 |
| 1993 FH ₅₁ | 1993 04 17.43889 | 12 09 00.60 | -02 48 47.3 | 19.7 | 3 413 | 1994 FW | 1994 03 23.74396 | 12 55 45.60 | -27 58 35.0 | | 413 |
| 1993 HB | 1993 04 17.43889 | 11 48 20.61 | +00 58 00.0 | 18.3 | 3 413 | 1994 FW | 1994 03 23.74736 | 12 55 45.39 | -27 58 35.6 | | 413 |
| 1993 HH ₃ | 1993 04 21.61042 | 12 34 28.16 | +00 41 05.5 | 17.1 | 3 413 | 1994 GD | 1994 04 04.44717 | 12 26 51.87 | -13 48 17.5 | | 413 |
| 1993 HJ ₃ | 1993 04 18.43884 | 12 45 30.54 | +00 20 18.4 | 17.5 | 3 413 | 1994 GD | 1994 04 04.45305 | 12 26 51.62 | -13 48 15.1 | | 413 |
| 1993 HL ₃ | 1993 04 18.43884 | 12 47 52.10 | +00 22 39.2 | 19.0 | 3 413 | 1994 GX | 1994 03 12.54994 | 10 59 16.06 | +00 25 16.6 | | 413 |
| 1993 HO ₃ | 1993 04 18.43884 | 12 49 12.47 | +00 30 38.6 | 19.0 | 3 413 | 1994 GX | 1994 03 12.59855 | 10 59 13.20 | +00 26 23.0 | | 413 |

| | | | | | | | | | | | | | |
|----------|--------------------|-------------|-------------|------|---|-------|--------|------------------|-------------|-------------|------|---|-----|
| 1994 GX | * 1994 04 03.45385 | 10 44 11.64 | +08 18 30.9 | 18 | V | 413 | (1085) | 1993 04 16.61791 | 12 57 08.97 | +02 40 36.2 | 14.5 | 3 | 413 |
| 1994 GX | 1994 04 03.53024 | 10 44 09.33 | +08 19 57.6 | | | 413 | (1087) | 1993 04 18.43884 | 13 00 30.44 | -03 19 03.6 | 15.3 | 3 | 413 |
| 1994 GX | 1994 04 04.46803 | 10 43 48.39 | +08 37 16.4 | | | 413 | (1136) | 1993 04 17.43889 | 11 49 29.14 | -04 00 37.3 | 17.0 | 3 | 413 |
| 1994 GX | 1994 04 04.47379 | 10 43 48.24 | +08 37 22.6 | | | 413 | (1150) | 1993 04 21.61042 | 12 23 37.38 | -03 18 45.5 | 16.6 | 3 | 413 |
| 1994 GX | 1994 04 04.49803 | 10 43 47.60 | +08 37 50.9 | | | 413 | (1160) | 1993 04 17.43889 | 12 07 10.02 | -04 04 04.1 | 16.4 | 3 | 413 |
| 1994 GX | 1994 04 04.50365 | 10 43 47.50 | +08 37 55.6 | | | 413 | (1327) | 1993 04 16.52653 | 12 01 29.85 | +06 54 10.6 | 16.3 | 3 | 413 |
| 1994 HD | * 1994 04 17.59777 | 14 05 02.42 | -00 04 52.4 | 16 | V | 413 | (1353) | 1993 04 16.57641 | 12 38 38.33 | -08 07 57.1 | 15.3 | 3 | 413 |
| 1994 HD | 1994 04 17.64291 | 14 05 00.38 | -00 03 59.0 | | | 413 | (1353) | 1993 04 18.39929 | 12 37 28.29 | -07 54 54.5 | 15.3 | 3 | 413 |
| 1994 HD | 1994 04 18.61132 | 14 04 18.86 | +00 15 15.2 | | | 413 | (1403) | 1993 04 16.48568 | 12 33 46.76 | +05 05 42.5 | 16.0 | 3 | 413 |
| 1994 HD | 1994 04 18.69465 | 14 04 15.12 | +00 16 54.1 | | | 413 | (1501) | 1993 04 16.52653 | 11 55 17.24 | +02 33 32.2 | 16.5 | 3 | 413 |
| 1994 HD | 1994 05 01.52987 | 13 55 22.67 | +04 07 28.1 | | | 413 | (1518) | 1993 04 18.43884 | 12 57 53.68 | -04 35 29.7 | 16.0 | 3 | 413 |
| 1994 HD | 1994 05 01.63291 | 13 55 18.49 | +04 09 06.0 | | | 413 | (1539) | 1993 04 16.52653 | 11 52 59.47 | +02 25 47.1 | 16.4 | 3 | 413 |
| 1994 HD | 1994 05 01.63490 | 13 55 18.40 | +04 09 07.9 | | | 413 | (1577) | 1993 04 16.48568 | 12 30 50.72 | +03 45 33.4 | 15.9 | 3 | 413 |
| 1994 HD | 1994 05 02.42543 | 13 54 48.90 | +04 21 30.3 | | | 413 | (1672) | 1993 04 17.43889 | 11 49 10.40 | +01 18 29.3 | 16.8 | 3 | 413 |
| 1994 HD | 1994 05 02.43063 | 13 54 48.70 | +04 21 35.3 | | | 413 | (1684) | 1993 04 16.52653 | 11 58 23.61 | +05 57 19.1 | 15.5 | 3 | 413 |
| 1994 HD | 1994 05 02.73800 | 13 54 36.57 | +04 26 20.0 | | | 413 | (1691) | 1993 04 17.43889 | 11 55 45.16 | +00 47 17.3 | 16.0 | 3 | 413 |
| 1994 HD | 1994 05 02.73982 | 13 54 36.49 | +04 26 21.9 | | | 413 | (1710) | 1993 04 17.48468 | 12 11 39.16 | -05 14 47.0 | 17.5 | 3 | 413 |
| 1994 HE | * 1994 04 17.59777 | 14 13 21.63 | +00 41 20.0 | 18 | V | p 413 | (1752) | 1993 04 16.57641 | 12 57 09.62 | -09 50 46.9 | 15.6 | 3 | 413 |
| 1994 HE | 1994 04 17.64291 | 14 13 17.62 | +00 40 55.2 | | | 413 | (1755) | 1993 04 16.48568 | 12 15 50.36 | +07 13 18.1 | 14.5 | 3 | 413 |
| 1994 HE | 1994 04 18.69465 | 14 11 45.28 | +00 30 58.0 | | | V 413 | (1786) | 1993 04 16.52653 | 11 49 55.00 | +04 22 42.3 | 16.6 | 3 | 413 |
| 4024 P-L | 1993 04 17.48468 | 12 10 21.96 | -05 54 02.9 | 18.3 | | 3 413 | (1858) | 1993 04 16.57641 | 12 51 44.32 | -08 16 15.3 | 15.4 | 3 | 413 |
| 6048 P-L | 1993 04 17.43889 | 11 50 47.64 | -02 51 40.1 | 17.9 | | 3 413 | (1925) | 1994 04 17.59777 | 14 06 38.27 | -00 22 12.4 | | | 413 |
| 6568 P-L | 1993 04 17.43889 | 11 48 44.16 | -00 05 48.0 | 18.5 | | 3 413 | (1925) | 1994 04 17.64291 | 14 06 35.86 | -00 21 59.3 | | | 413 |
| 9538 P-L | 1993 04 21.61042 | 12 17 53.72 | -00 08 45.6 | 18.1 | | 3 413 | (1925) | 1994 04 18.61132 | 14 05 45.32 | -00 17 09.8 | | | 413 |
| 9570 P-L | 1993 04 16.52653 | 12 04 41.91 | +05 46 03.4 | 18.0 | | 3 413 | (1925) | 1994 04 18.69465 | 14 05 40.82 | -00 16 43.6 | | | 413 |
| 4393 T-1 | 1993 04 16.48568 | 12 24 26.13 | +01 26 44.9 | 17.5 | | 3 413 | (1961) | 1993 04 21.61042 | 12 19 24.29 | +00 58 32.3 | 16.2 | 3 | 413 |
| 2155 T-2 | 1993 04 18.43884 | 12 42 54.49 | -02 33 34.0 | 16.6 | | 3 413 | (1962) | 1993 04 18.43884 | 12 39 02.34 | -04 09 54.2 | 17.8 | 3 | 413 |
| 4019 T-3 | 1993 04 21.61042 | 12 28 39.09 | +00 38 04.4 | 18.6 | | 3 413 | (1962) | 1993 04 21.61042 | 12 37 04.43 | -03 58 14.7 | 18.3 | 3 | 413 |
| (242) | 1993 04 16.57641 | 12 57 03.24 | -08 34 40.8 | 14.5 | | 3 413 | (1966) | 1993 04 16.52653 | 11 54 50.51 | +04 43 26.9 | 16.8 | 3 | 413 |
| (289) | 1993 04 21.61042 | 12 29 09.85 | -01 07 21.9 | 16.5 | | 3 413 | (2051) | 1993 04 21.61042 | 12 19 14.43 | -02 51 53.9 | 16.7 | 3 | 413 |
| (302) | 1993 04 16.57641 | 12 49 35.42 | -06 26 33.5 | 15.0 | | 3 413 | (2076) | 1993 04 17.48468 | 12 12 55.93 | -07 34 03.8 | 16.8 | 3 | 413 |
| (353) | 1993 04 16.48568 | 12 22 53.30 | +06 29 56.5 | 15.3 | | 3 413 | (2087) | 1993 04 16.52653 | 12 05 30.26 | +02 46 18.4 | 16.2 | 3 | 413 |
| (406) | 1993 04 17.48468 | 12 11 36.28 | -06 28 20.8 | 15.3 | | 3 413 | (2156) | 1993 04 21.61042 | 12 27 27.80 | -02 46 44.6 | 16.9 | 3 | 413 |
| (427) | 1993 04 17.48468 | 12 12 24.49 | -09 09 38.4 | 15.3 | | 3 413 | (2186) | 1993 04 16.57641 | 12 59 18.71 | -10 13 19.5 | 16.0 | 3 | 413 |
| (465) | 1994 02 20.64229 | 11 22 29.51 | -01 23 38.6 | | | 413 | (2203) | 1993 04 21.61042 | 12 27 34.93 | -01 31 04.1 | 16.5 | 3 | 413 |
| (465) | 1994 02 20.70062 | 11 22 27.08 | -01 23 31.0 | | | 413 | (2247) | 1993 04 17.43889 | 12 10 07.30 | -01 52 05.7 | 16.8 | 3 | 413 |
| (465) | 1994 03 12.54994 | 11 06 55.83 | -00 23 01.9 | | | 413 | (2249) | 1993 04 16.48568 | 12 28 31.01 | +01 29 09.8 | 15.3 | 3 | 413 |
| (465) | 1994 03 12.59855 | 11 06 53.42 | -00 22 51.0 | | | 413 | (2251) | 1993 04 21.61042 | 12 35 34.60 | -03 12 38.3 | 16.4 | 3 | 413 |
| (479) | 1993 04 16.61791 | 12 47 41.47 | +06 18 07.4 | 13.8 | | 3 413 | (2252) | 1993 04 16.57641 | 12 41 09.87 | -06 41 07.5 | 16.1 | 3 | 413 |
| (495) | 1994 03 05.53096 | 10 12 26.02 | +09 09 00.8 | | | 413 | (2287) | 1993 04 16.48568 | 12 20 16.56 | +07 21 09.9 | 15.3 | 3 | 413 |
| (495) | 1994 03 05.57957 | 10 12 23.42 | +09 09 16.8 | | | 413 | (2289) | 1993 04 21.61042 | 12 28 25.43 | -02 32 12.0 | 16.8 | 3 | 413 |
| (551) | 1993 04 21.61042 | 12 16 50.86 | -01 53 38.4 | 15.7 | | 3 413 | (2327) | 1993 04 21.61042 | 12 14 42.90 | +00 31 46.1 | 17.5 | 3 | 413 |
| (597) | 1993 04 16.61791 | 12 40 10.00 | +03 45 37.8 | 13.8 | | 3 413 | (2332) | 1994 04 17.59777 | 14 08 15.98 | -00 22 32.0 | | | 413 |
| (656) | 1993 04 16.57641 | 12 54 22.99 | -05 36 17.5 | 14.5 | | 3 413 | (2332) | 1994 04 17.64291 | 14 08 13.56 | -00 22 28.5 | | | 413 |
| (750) | 1993 04 16.48568 | 12 21 56.45 | +03 55 09.1 | 15.0 | | 3 413 | (2332) | 1994 04 18.61132 | 14 07 24.17 | -00 21 12.4 | | | 413 |
| (962) | 1993 04 16.52653 | 11 51 24.46 | +03 28 02.2 | 16.3 | | 3 413 | (2332) | 1994 04 18.69465 | 14 07 19.78 | -00 21 04.0 | | | 413 |
| (964) | 1993 04 16.52653 | 12 00 54.66 | +05 39 11.4 | 15.8 | | 3 413 | (2373) | 1993 04 16.48568 | 12 30 19.41 | +07 31 12.3 | 16.8 | 3 | 413 |
| (1003) | 1993 04 21.61042 | 12 12 46.52 | +00 51 23.3 | 16.0 | | 3 413 | (2393) | 1993 04 18.39929 | 12 25 38.36 | -10 37 47.3 | 15.3 | 3 | 413 |
| (1027) | 1993 04 18.43884 | 12 39 13.94 | -03 45 50.1 | 15.3 | | 3 413 | (2394) | 1993 04 18.43884 | 12 58 21.76 | -03 55 22.9 | 15.8 | 3 | 413 |
| (1027) | 1993 04 21.61042 | 12 37 13.21 | -03 34 45.0 | 16.0 | | 3 413 | (2417) | 1993 04 16.52653 | 11 52 45.98 | +05 34 26.5 | 16.2 | 3 | 413 |
| (1059) | 1993 04 21.61042 | 12 25 25.99 | -04 00 30.8 | 15.9 | | 3 413 | (2441) | 1993 04 16.48568 | 12 17 57.68 | +02 47 34.2 | 17.2 | 3 | 413 |
| (1080) | 1993 04 17.43889 | 12 01 31.38 | -01 14 46.1 | 16.8 | | 3 413 | (2463) | 1993 04 16.48568 | 12 24 23.95 | +02 43 55.5 | 15.5 | 3 | 413 |

| | | | | | | | | | | | |
|--------|------------------|-------------|-------------|------|-------|--------|------------------|-------------|-------------|------|-------|
| (2503) | 1993 04 16.57641 | 12 45 25.46 | -06 09 29.4 | 17.0 | 3 413 | (4470) | 1993 04 16.48568 | 12 16 41.68 | +01 39 27.4 | 16.8 | 3 413 |
| (2552) | 1993 04 16.57641 | 12 51 38.78 | -06 31 45.2 | 16.5 | 3 413 | (4502) | 1993 04 16.61791 | 12 43 35.87 | +05 39 12.9 | 15.4 | 3 413 |
| (2555) | 1993 04 18.39929 | 12 31 39.19 | -04 50 01.4 | 16.0 | 3 413 | (4550) | 1993 04 17.43889 | 12 04 51.11 | -00 27 55.6 | 18.1 | 3 413 |
| (2555) | 1993 04 21.61042 | 12 29 31.83 | -04 35 50.8 | 16.8 | 3 413 | (4646) | 1993 04 17.43889 | 11 55 25.08 | -01 26 04.6 | 17.5 | 3 413 |
| (2610) | 1993 04 17.43889 | 12 08 45.11 | -01 12 47.9 | 16.5 | 3 413 | (4657) | 1993 04 16.57641 | 12 45 51.25 | -05 02 49.7 | 16.8 | 3 413 |
| (2667) | 1993 04 21.61042 | 12 15 18.64 | +00 49 32.6 | 17.5 | 3 413 | (4657) | 1993 04 18.43884 | 12 44 36.62 | -04 55 03.1 | 16.8 | 3 413 |
| (2680) | 1993 04 16.57641 | 12 44 41.29 | -05 49 23.4 | 16.4 | 3 413 | (4681) | 1993 04 16.48568 | 12 25 43.74 | +05 28 00.6 | 16.4 | 3 413 |
| (2697) | 1993 04 18.39929 | 12 27 18.39 | -08 01 19.1 | 16.0 | 3 413 | (4694) | 1993 04 18.39929 | 12 32 29.01 | -10 05 52.5 | | 3 413 |
| (2706) | 1993 04 16.61791 | 12 47 24.63 | +05 26 55.1 | 15.5 | 3 413 | (4745) | 1993 04 17.48468 | 12 00 24.07 | -10 10 55.1 | 16.0 | 3 413 |
| (2722) | 1993 04 21.61042 | 12 26 36.95 | -00 29 16.9 | 16.6 | 3 413 | (4971) | 1993 04 16.52653 | 11 54 43.40 | +06 13 17.3 | 16.4 | 3 413 |
| (2739) | 1993 04 18.39929 | 12 27 49.40 | -04 58 10.8 | 16.8 | 3 413 | (4974) | 1994 04 17.59777 | 14 01 52.63 | +01 11 14.0 | | 413 |
| (2739) | 1993 04 21.61042 | 12 25 23.10 | -04 41 00.9 | 16.0 | 3 413 | (4974) | 1994 04 17.64291 | 14 01 50.61 | +01 11 42.0 | | 413 |
| (2756) | 1993 04 16.57641 | 12 49 32.40 | -09 53 33.0 | 16.4 | 3 413 | (4974) | 1994 04 18.61132 | 14 01 07.83 | +01 22 19.0 | | 413 |
| (2783) | 1993 04 17.43889 | 12 06 52.04 | -00 54 51.3 | 18.0 | 3 413 | (4974) | 1994 04 18.69465 | 14 01 04.11 | +01 23 12.0 | | 413 |
| (2786) | 1993 04 17.43889 | 11 59 47.85 | +00 20 11.8 | 17.1 | 3 413 | (4997) | 1993 04 21.61042 | 12 18 12.82 | -04 45 36.2 | 17.5 | 3 413 |
| (2921) | 1993 04 18.43884 | 12 38 49.03 | -02 39 00.6 | 18.3 | 3 413 | (5015) | 1993 04 18.43884 | 12 50 16.11 | -00 27 53.0 | 16.2 | 3 413 |
| (2921) | 1993 04 21.61042 | 12 36 51.02 | -02 26 19.0 | 19.0 | 3 413 | (5035) | 1993 04 16.61791 | 13 02 21.20 | +06 57 39.2 | 15.3 | 3 413 |
| (2946) | 1993 04 16.57641 | 12 53 59.50 | -06 36 59.4 | 16.1 | 3 413 | (5052) | 1993 04 18.39929 | 12 18 53.81 | -09 17 27.0 | 18.4 | 3 413 |
| (2994) | 1993 04 17.43889 | 12 00 59.32 | -00 57 32.0 | 18.2 | 3 413 | (5057) | 1993 04 16.61791 | 12 49 29.48 | +01 25 18.6 | 16.8 | 3 413 |
| (3117) | 1993 04 16.52653 | 11 53 28.13 | +05 48 54.5 | 16.5 | 3 413 | (5062) | 1993 04 16.57641 | 12 53 29.59 | -05 41 10.6 | 16.7 | 3 413 |
| (3120) | 1993 04 18.39929 | 12 13 12.05 | -10 39 37.1 | 16.0 | 3 413 | (5071) | 1993 04 16.52653 | 12 09 57.86 | +04 27 04.5 | | 3 413 |
| (3132) | 1993 04 16.48568 | 12 21 48.88 | +04 05 22.5 | 16.5 | 3 413 | (5073) | 1993 04 16.57641 | 12 44 08.71 | -05 54 38.6 | 15.4 | 3 413 |
| (3168) | 1993 04 16.52653 | 11 56 52.88 | +05 07 48.6 | 16.4 | 3 413 | (5090) | 1993 04 16.48568 | 12 34 55.90 | +07 00 59.4 | 17.5 | 3 413 |
| (3311) | 1993 04 16.57641 | 13 00 08.23 | -05 20 39.1 | 16.0 | 3 413 | (5093) | 1993 04 18.39929 | 12 31 54.88 | -10 17 08.4 | 16.8 | 3 413 |
| (3329) | 1993 04 16.52653 | 11 50 10.05 | +02 48 41.4 | 16.4 | 3 413 | (5101) | 1993 04 16.57641 | 12 49 09.14 | -07 39 56.1 | 16.4 | 3 413 |
| (3352) | 1994 04 17.59777 | 14 12 03.98 | +00 17 16.0 | | 413 | (5104) | 1993 04 21.61042 | 12 31 28.81 | -03 26 34.5 | 16.1 | 3 413 |
| (3352) | 1994 04 17.64291 | 14 12 00.07 | +00 17 23.3 | | 413 | (5110) | 1993 04 17.48468 | 12 04 06.22 | -05 59 51.4 | 17.0 | 3 413 |
| (3352) | 1994 04 18.61132 | 14 10 41.95 | +00 19 46.0 | | 413 | (5121) | 1993 04 16.57641 | 12 54 40.54 | -10 04 23.8 | 16.0 | 3 413 |
| (3352) | 1994 04 18.69465 | 14 10 34.91 | +00 19 59.1 | | 413 | (5483) | 1993 04 16.61791 | 13 01 21.20 | +04 49 56.2 | 15.5 | 3 413 |
| (3378) | 1994 03 05.53096 | 10 13 33.10 | +10 44 33.6 | | 413 | (5508) | 1993 04 16.48568 | 12 27 22.48 | +01 38 23.4 | 16.0 | 3 413 |
| (3378) | 1994 03 05.57957 | 10 13 29.99 | +10 44 37.5 | | 413 | (5532) | 1993 04 16.52653 | 11 47 59.42 | +03 01 53.6 | 16.0 | 3 413 |
| (3402) | 1993 04 17.43889 | 11 52 44.21 | -01 22 47.0 | 18.5 | 3 413 | (5560) | 1993 04 16.48568 | 12 38 03.42 | +05 32 17.4 | 15.3 | 3 413 |
| (3494) | 1993 04 18.39929 | 12 34 00.28 | -09 59 09.6 | 19.3 | 3 413 | (5569) | 1993 04 17.43889 | 12 10 52.49 | -04 32 38.5 | | 3 413 |
| (3509) | 1993 04 18.39929 | 12 19 59.86 | -10 50 52.2 | 16.0 | 3 413 | (5572) | 1993 04 17.43889 | 12 13 23.31 | -03 15 05.9 | 16.8 | 3 413 |
| (3555) | 1993 04 21.61042 | 12 24 45.31 | +00 44 44.1 | 17.8 | 3 413 | (5584) | 1993 04 16.57641 | 12 46 37.69 | -05 41 58.8 | 15.8 | 3 413 |
| (3740) | 1993 04 18.39929 | 12 34 37.57 | -07 12 15.5 | 17.5 | 3 413 | (5589) | 1993 04 17.43889 | 12 01 38.27 | -01 47 00.9 | 17.9 | 3 413 |
| (3780) | 1993 04 16.52653 | 11 58 02.58 | +03 10 31.9 | 16.5 | 3 413 | (5593) | 1994 03 05.53096 | 10 11 57.67 | +09 17 03.4 | 15.5 | V 413 |
| (3852) | 1993 04 17.43889 | 12 10 52.06 | -02 49 56.8 | 16.8 | 3 413 | (5593) | 1994 03 05.57957 | 10 11 55.08 | +09 17 28.9 | | 413 |
| (3859) | 1993 04 18.43884 | 13 00 45.04 | -02 05 47.7 | 16.0 | 3 413 | (5600) | 1993 04 16.61791 | 12 40 50.25 | +06 13 24.6 | 16.4 | 3 413 |
| (3991) | 1993 04 17.48468 | 12 00 33.43 | -07 39 32.5 | 16.5 | 3 413 | (5601) | 1993 04 18.43884 | 12 41 15.40 | -04 49 37.9 | 16.8 | 3 413 |
| (4023) | 1993 04 17.43889 | 12 05 59.76 | -03 15 34.6 | 17.3 | 3 413 | (5602) | 1993 04 16.48568 | 12 35 56.86 | +05 43 44.7 | 16.0 | 3 413 |
| (4066) | 1993 04 16.57641 | 12 45 00.03 | -11 11 46.6 | 16.0 | 3 413 | (5607) | 1993 04 16.52653 | 11 58 31.89 | +06 45 09.9 | 16.9 | 3 413 |
| (4081) | 1993 04 16.57641 | 12 49 33.52 | -08 00 59.6 | 15.7 | 3 413 | (5608) | 1993 04 16.52653 | 11 58 29.95 | +02 47 09.7 | 16.7 | 3 413 |
| (4103) | 1993 04 18.43884 | 12 47 56.26 | +00 05 38.3 | 15.1 | 3 413 | (5609) | 1993 04 17.43889 | 11 51 23.16 | +00 53 09.6 | 17.5 | 3 413 |
| (4155) | 1993 04 16.52653 | 11 57 39.87 | +01 55 04.7 | 17.5 | 3 413 | (5631) | 1993 04 17.43889 | 11 55 28.35 | +00 21 41.0 | 17.4 | 3 413 |
| (4176) | 1993 04 18.43884 | 12 54 19.06 | -01 39 24.9 | 15.4 | 3 413 | (5698) | 1993 04 18.43884 | 12 50 32.20 | -03 14 25.6 | 15.8 | 3 413 |
| (4188) | 1993 04 16.61791 | 12 59 38.92 | +02 50 47.6 | 16.1 | 3 413 | (5763) | 1993 04 17.43889 | 12 12 02.68 | -01 07 23.9 | 17.5 | 3 413 |
| (4192) | 1993 04 17.43889 | 12 08 43.47 | -01 14 53.3 | 17.6 | 3 413 | (5885) | 1993 04 18.43884 | 13 02 10.49 | -00 53 49.2 | 16.0 | 3 413 |
| (4220) | 1993 04 18.39929 | 12 16 21.62 | -07 06 53.1 | | 3 413 | | | | | | |
| (4250) | 1993 04 18.43884 | 12 55 19.54 | -03 17 57.5 | 15.8 | 3 413 | | | | | | |
| (4300) | 1993 04 16.57641 | 13 02 11.20 | -07 33 32.8 | | 3 413 | | | | | | |
| (4310) | 1993 04 21.61042 | 12 32 25.15 | -00 58 49.6 | 16.5 | 3 413 | | | | | | |

474 Mount John

A. C. Gilmore, P.O. Box 57, Lake Tekapo, New Zealand

Observer A. C. Gilmore

Measurer P. M. Kilmartin

0.6-m $f/14$ Cassegrain reflector

SAOC, CPZ, field plates from Carter Observatory

| | | | | | |
|-----------------------|------------------|-------------|-------------|------|-----|
| 1993 FU ₄₁ | 1993 04 01.59637 | 12 27 08.92 | -02 35 06.5 | 18.5 | 474 |
| 1993 FU ₄₁ | 1993 04 01.62571 | 12 27 07.21 | -02 34 52.0 | | 474 |
| 1993 FH ₄₆ | 1993 04 01.59637 | 12 25 31.38 | -02 36 52.2 | 18.5 | 474 |
| 1993 FH ₄₆ | 1993 04 01.62571 | 12 25 29.80 | -02 36 37.1 | | 474 |
| 1993 FJ ₄₆ | 1993 04 01.65207 | 12 24 03.45 | -03 25 30.2 | 18.3 | 474 |
| 1993 FJ ₄₆ | 1993 04 01.67861 | 12 24 01.86 | -03 25 22.0 | | 474 |

494 Stakenbridge

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

DY10 3LS, England

0.2-m $f/6.5$ reflector + CCD, 0.26-m $f/7.3$ reflector + CCD

PPM

| | | | | | |
|----------------------|------------------|-------------|-------------|--|-----|
| 1989 UA ₃ | 1994 03 29.90497 | 09 58 21.33 | +10 31 53.8 | | 494 |
| 1989 UA ₃ | 1994 03 29.91771 | 09 58 21.06 | +10 31 55.9 | | 494 |

540 Linz

E. Meyer, F. Marklstrasse 1/62, A-4040 Linz, Austria

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

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

GSC

| | | | | | |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1993 UC | 1994 04 03.80922 | 13 25 34.63 | +76 46 10.3 | 14.2 R | 540 |
| 1993 UC | 1994 04 03.81022 | 13 25 35.18 | +76 46 03.8 | 14.2 R | 540 |
| 1993 UC | 1994 04 03.81147 | 13 25 35.78 | +76 45 55.4 | 14.2 R | 540 |
| 1993 UC | 1994 04 03.81249 | 13 25 36.26 | +76 45 48.3 | 14.2 R | 540 |
| 1993 UC | 1994 04 03.81507 | 13 25 37.59 | +76 45 31.3 | 14.2 R | 540 |
| 1993 UC | 1994 04 05.84983 | 13 39 09.41 | +73 09 54.9 | 14.4 R | 540 |
| 1993 UC | 1994 04 05.85063 | 13 39 09.62 | +73 09 49.7 | 14.4 R | 540 |
| 1993 UC | 1994 04 05.85142 | 13 39 09.78 | +73 09 45.7 | 14.4 R | 540 |
| 1993 UC | 1994 04 05.85220 | 13 39 10.02 | +73 09 40.6 | 14.4 R | 540 |
| 1993 UC | 1994 04 07.81251 | 13 46 29.70 | +70 09 57.8 | 14.3 R | 540 |
| 1993 UC | 1994 04 07.81368 | 13 46 29.85 | +70 09 51.8 | 14.3 R | 540 |
| 1993 UC | 1994 04 07.81466 | 13 46 30.04 | +70 09 46.9 | 14.3 R | 540 |
| 1993 UC | 1994 04 07.81568 | 13 46 30.24 | +70 09 41.5 | 14.2 R | 540 |
| 1993 UC | 1994 04 10.82398 | 13 52 57.62 | +66 16 23.9 | 15.0 R | 540 |
| 1993 UC | 1994 04 10.82539 | 13 52 57.74 | +66 16 18.8 | 15.1 R | 540 |
| 1993 UC | 1994 04 10.82642 | 13 52 57.77 | +66 16 13.9 | 15.1 R | 540 |
| 1993 UC | 1994 04 10.82745 | 13 52 57.88 | +66 16 09.8 | 15.1 R | 540 |
| 1993 UC | 1994 04 20.81564 | 14 00 54.28 | +57 03 42.8 | 15.1 R | 540 |
| 1993 UC | 1994 04 20.81791 | 14 00 54.30 | +57 03 36.4 | 15.1 R | 540 |
| 1993 UC | 1994 04 20.81992 | 14 00 54.33 | +57 03 31.6 | 15.0 R | 540 |
| 1993 UC | 1994 04 20.82199 | 14 00 54.42 | +57 03 26.2 | 15.1 R | 540 |
| 1993 UC | 1994 04 23.90993 | 14 01 55.95 | +54 52 30.6 | 15.2 R | 540 |
| 1993 UC | 1994 04 23.91236 | 14 01 55.88 | +54 52 23.7 | 15.3 R | 540 |
| 1993 UC | 1994 04 23.91454 | 14 01 55.85 | +54 52 19.4 | 15.1 R | 540 |
| 1993 UC | 1994 04 23.91671 | 14 01 55.92 | +54 52 14.6 | 15.2 R | 540 |
| 1993 UC | 1994 04 28.85683 | 14 03 11.26 | +51 44 12.1 | 15.7 R | 540 |
| 1993 UC | 1994 04 28.85869 | 14 03 11.30 | +51 44 07.5 | 15.8 R | 540 |
| 1993 UC | 1994 04 28.86010 | 14 03 11.31 | +51 44 04.5 | 15.7 R | 540 |
| 1993 UC | 1994 04 28.86156 | 14 03 11.30 | +51 44 00.8 | 15.7 R | 540 |
| 1994 EQ ₃ | 1994 04 20.84954 | 12 51 47.16 | +03 18 01.6 | 15.3 R | 540 |
| 1994 EQ ₃ | 1994 04 20.85214 | 12 51 46.95 | +03 18 03.7 | 15.3 R | 540 |

| | | | | | |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1994 EQ ₃ | 1994 04 20.89796 | 12 51 45.58 | +03 18 09.6 | 15.5 R | 540 |
| 1994 EQ ₃ | 1994 04 20.89997 | 12 51 45.63 | +03 18 10.6 | 15.6 R | 540 |
| (2060) | 1994 04 28.82024 | 10 11 21.32 | +05 09 00.9 | 15.8 R | 540 |
| (2060) | 1994 04 28.82240 | 10 11 21.38 | +05 09 01.0 | 15.9 R | 540 |
| (2060) | 1994 04 28.88773 | 10 11 21.28 | +05 09 03.0 | 15.8 R | 540 |
| (2060) | 1994 04 28.88995 | 10 11 21.28 | +05 09 03.5 | 16.0 R | 540 |
| (5145) | 1994 04 28.83308 | 10 25 50.45 | +26 20 24.3 | 16.6 R | 540 |
| (5145) | 1994 04 28.83965 | 10 25 50.46 | +26 20 23.7 | 16.5 R | 540 |
| (5145) | 1994 04 28.90515 | 10 25 50.47 | +26 20 20.6 | 16.6 R | 540 |
| (5145) | 1994 04 28.91119 | 10 25 50.36 | +26 20 21.1 | 16.7 R | 540 |

557 Ondřejov

P. Pravec, Astronomical Institute, Czech Academy of Sciences, CZ-25165 Ondřejov,

Czech Republic

Observers P. Pravec, P. Kubíček, M. Varady, M. Wolf

Measurer P. Pravec

0.65-m $f/3.6$ reflector + CCD

GSC

| | | | | | |
|---------|------------------|-------------|-------------|--|-----|
| 1993 UC | 1994 04 02.86634 | 13 14 57.30 | +78 37 40.9 | | 557 |
| 1993 UC | 1994 04 02.90793 | 13 15 28.88 | +78 32 40.3 | | 557 |
| 1993 UC | 1994 04 02.92991 | 13 15 45.24 | +78 30 01.2 | | 557 |
| 1993 UC | 1994 04 03.01061 | 13 16 43.84 | +78 20 15.7 | | 557 |
| 1993 UC | 1994 04 03.04129 | 13 17 05.66 | +78 16 31.6 | | 557 |
| 1993 UC | 1994 04 03.05527 | 13 17 15.52 | +78 14 49.8 | | 557 |
| 1993 UC | 1994 04 06.08825 | 13 40 08.14 | +72 46 44.5 | | 557 |
| 1993 UC | 1994 04 06.09775 | 13 40 10.43 | +72 45 48.5 | | 557 |
| 1993 UC | 1994 04 06.11907 | 13 40 15.63 | +72 43 43.3 | | 557 |
| 1993 UC | 1994 04 06.12737 | 13 40 17.68 | +72 42 54.3 | | 557 |
| 1993 UC | 1994 04 07.03624 | 13 43 55.41 | +71 18 18.4 | | 557 |
| 1993 UC | 1994 04 07.10366 | 13 44 07.81 | +71 12 09.6 | | 557 |
| 1993 UC | 1994 04 07.11756 | 13 44 10.38 | +71 10 53.5 | | 557 |
| 1993 UC | 1994 04 07.13719 | 13 44 14.02 | +71 09 05.9 | | 557 |
| 1993 UC | 1994 04 22.84711 | 14 01 36.79 | +55 36 08.5 | | 557 |
| 1993 UC | 1994 04 22.85403 | 14 01 36.87 | +55 35 51.7 | | 557 |
| 1993 UC | 1994 04 23.06196 | 14 01 38.92 | +55 27 12.3 | | 557 |
| 1993 UC | 1994 04 23.08549 | 14 01 39.20 | +55 26 12.6 | | 557 |
| 1993 UC | 1994 04 23.96451 | 14 01 56.23 | +54 50 16.5 | | 557 |
| 1993 UC | 1994 04 24.00638 | 14 01 56.63 | +54 48 34.5 | | 557 |
| 1993 UC | 1994 04 24.10873 | 14 01 57.63 | +54 44 22.6 | | 557 |
| 1994 GY | 1994 04 19.81863 | 13 29 55.49 | -02 25 58.6 | | 557 |
| 1994 GY | 1994 04 19.83144 | 13 29 55.13 | -02 26 38.7 | | 557 |
| 1994 GY | 1994 04 19.86807 | 13 29 54.03 | -02 28 30.7 | | 557 |
| 1994 GY | 1994 04 19.87066 | 13 29 53.95 | -02 28 38.6 | | 557 |
| 1994 GY | 1994 04 19.91711 | 13 29 52.43 | -02 31 02.1 | | 557 |
| 1994 GY | 1994 04 19.98351 | 13 29 50.30 | -02 34 27.3 | | 557 |
| 1994 GY | 1994 04 20.02338 | 13 29 49.04 | -02 36 30.6 | | 557 |
| 1994 GY | 1994 04 20.05867 | 13 29 47.95 | -02 38 19.6 | | 557 |
| 1994 GY | 1994 04 20.84010 | 13 29 31.59 | -03 18 59.0 | | 557 |
| 1994 GY | 1994 04 20.89120 | 13 29 29.98 | -03 21 40.3 | | 557 |
| 1994 GY | 1994 04 20.89537 | 13 29 29.84 | -03 21 53.5 | | 557 |
| 1994 GY | 1994 04 20.99289 | 13 29 26.73 | -03 27 00.9 | | 557 |
| 1994 GY | 1994 04 21.04640 | 13 29 25.06 | -03 29 49.8 | | 557 |
| 1994 GY | 1994 04 21.06816 | 13 29 24.41 | -03 30 58.4 | | 557 |

| | | | | | |
|--------|------------------|-------------|-------------|--------|-----|
| (1620) | 1994 02 15.77215 | 05 57 22.94 | +39 47 31.2 | 15.9 V | 557 |
| (1620) | 1994 02 15.78972 | 05 57 21.92 | +39 47 07.0 | 16.1 V | 557 |
| (1620) | 1994 02 15.86122 | 05 57 17.84 | +39 45 28.0 | 16.1 V | 557 |
| (1620) | 1994 02 15.88248 | 05 57 16.64 | +39 44 58.1 | 15.8 V | 557 |
| (1620) | 1994 02 15.96797 | 05 57 11.93 | +39 42 57.7 | 16.2 V | 557 |
| (1620) | 1994 02 15.99751 | 05 57 10.35 | +39 42 15.8 | 16.0 V | 557 |
| (1620) | 1994 02 16.01602 | 05 57 09.38 | +39 41 49.6 | 16.3 V | 557 |
| (1620) | 1994 02 16.03521 | 05 57 08.40 | +39 41 22.1 | 17.0 V | 557 |

560 Madonna di Dossobuono

L. Lai, Via Mantovana 130e, I-37062 Dossobuono (Verona), Italy

Observers L. Lai, I. Rocchetti, G. Vesentini

0.40-m $f/3.5$ reflector + CCD

GSC

| | | | | | |
|-----------------------|------------------|-------------|-------------|------|-----|
| 1978 VP ₂ | 1994 03 27.83933 | 10 12 06.99 | +07 42 26.1 | 17.0 | 560 |
| 1978 VP ₂ | 1994 03 27.85760 | 10 12 06.77 | +07 42 28.5 | | 560 |
| 1978 VP ₂ | 1994 03 27.87494 | 10 12 06.53 | +07 42 30.7 | | 560 |
| 1978 VP ₂ | 1994 03 29.81941 | 10 11 39.33 | +07 46 11.9 | 17.0 | 560 |
| 1978 VP ₂ | 1994 03 29.84493 | 10 11 39.02 | +07 46 15.5 | | 560 |
| 1978 VP ₂ | 1994 03 29.88228 | 10 11 38.70 | +07 46 20.7 | | 560 |
| 1978 VP ₂ | 1994 04 02.88259 | 10 11 07.65 | +07 51 54.4 | 17.1 | 560 |
| 1978 VP ₂ | 1994 04 02.89618 | 10 11 07.58 | +07 51 55.3 | | 560 |
| 1978 VP ₂ | 1994 04 02.91127 | 10 11 07.51 | +07 51 56.6 | | 560 |
| 1981 EZ ₁₈ | 1994 03 05.90670 | 10 09 20.24 | +09 17 46.2 | 17.9 | 560 |
| 1981 EZ ₁₈ | 1994 03 05.91950 | 10 09 19.64 | +09 17 48.1 | | 560 |
| 1981 EZ ₁₈ | 1994 03 05.93206 | 10 09 18.99 | +09 17 51.1 | | 560 |
| 1982 RO ₁ | 1994 03 04.92219 | 08 56 48.23 | +12 35 28.7 | 18.0 | 560 |
| 1982 RO ₁ | 1994 03 04.92733 | 08 56 47.95 | +12 35 29.7 | | 560 |
| 1982 RO ₁ | 1994 03 04.93318 | 08 56 47.74 | +12 35 31.3 | | 560 |
| 1987 BC ₂ | 1994 03 04.87841 | 08 51 57.81 | +12 35 40.1 | 17.5 | 560 |
| 1987 BC ₂ | 1994 03 04.88689 | 08 51 57.59 | +12 35 42.7 | | 560 |
| 1987 BC ₂ | 1994 03 04.89345 | 08 51 57.35 | +12 35 43.7 | | 560 |

568 Mauna Kea Observatory

D. Jewitt, Institute for Astronomy, 2680 Woodlawn Drive, Honolulu, HI 96822, U.S.A.

D. J. Tholen, Institute for Astronomy, 2680 Woodlawn Drive, Honolulu, HI 96822, U.S.A.

Observers J. Chen, D. Jewitt, D. Tholen

Measurers J. Chen, O. Hainaut, D. Jewitt, M. Senay, D. Tholen

2.2-m reflector + CCD

GSC

| | | | | | |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1993 SC | 1993 11 19.28252 | 23 50 47.10 | -00 33 12.1 | | 568 |
| 1993 SC | 1993 11 19.41519 | 23 50 46.82 | -00 33 13.5 | | 568 |
| 1993 SC | 1993 11 20.29771 | 23 50 44.98 | -00 33 24.5 | | 568 |
| 1993 SC | 1993 11 20.42730 | 23 50 44.71 | -00 33 26.1 | | 568 |
| 1993 VW | 1994 04 20.62292 | 18 33 46.08 | -34 14 15.3 | | 568 |
| 1994 ES ₂ | 1994 04 14.2542 | 10 35 59.20 | +08 54 08.2 | 24.4 R | 568 |
| 1994 ES ₂ | 1994 04 14.3089 | 10 35 59.04 | +08 54 09.0 | | 568 |
| 1994 ES ₂ | 1994 04 14.3575 | 10 35 58.94 | +08 54 09.5 | | 568 |
| 1994 EV ₃ | 1994 04 13.4916 | 13 07 59.79 | -07 11 30.8 | 23 R | 568 |
| 1994 EV ₃ | 1994 04 13.5038 | 13 07 59.71 | -07 11 30.3 | | 568 |
| 1994 EV ₃ | 1994 04 15.4842 | 13 07 51.26 | -07 10 39.7 | | 568 |

573 Eldagsen

W. Bonk, Nordstrasse 33, D-31832 Springe, Germany

AGK3

| | | | | | |
|--------|------------------|-------------|-------------|--|-----|
| (99) | 1994 04 02.87230 | 13 04 42.30 | +06 34 19.6 | | 573 |
| (99) | 1994 04 02.87878 | 13 04 41.89 | +06 34 24.4 | | 573 |
| (546) | 1994 03 10.79990 | 11 01 02.51 | +24 05 22.9 | | 573 |
| (546) | 1994 03 10.80997 | 11 01 01.85 | +24 05 22.1 | | 573 |
| (1048) | 1994 03 30.82462 | 13 13 50.10 | +12 15 13.0 | | 573 |
| (1048) | 1994 03 30.83526 | 13 13 49.42 | +12 15 13.1 | | 573 |

587 Sormano

P. Sicoli, Via Valli 9, I-22040 Garbagnate Monastero (Como), Italy

Observers P. Sicoli, M. Cavagna, A. Testa, V. Giuliani

0.5-m reflector + CCD

GSC

| | | | | | |
|---------|------------------|-------------|-------------|--|-----|
| 1994 FB | 1994 04 06.87860 | 11 07 17.33 | +04 36 27.9 | | 587 |
| 1994 FB | 1994 04 06.89235 | 11 07 16.88 | +04 36 31.6 | | 587 |
| 1994 FR | 1994 04 06.84898 | 11 07 30.46 | +04 18 36.2 | | 587 |
| 1994 FR | 1994 04 06.86495 | 11 07 29.86 | +04 18 38.6 | | 587 |
| (1620) | 1994 04 03.82118 | 06 30 28.97 | +23 53 02.4 | | 587 |
| (1620) | 1994 04 03.84077 | 06 30 30.91 | +23 52 40.7 | | 587 |
| (1620) | 1994 04 06.79454 | 06 35 33.06 | +22 57 45.0 | | 587 |
| (1620) | 1994 04 06.80153 | 06 35 33.79 | +22 57 37.2 | | 587 |
| (2011) | 1994 02 21.92516 | 08 39 10.82 | +22 14 00.1 | | 587 |
| (2011) | 1994 02 21.93255 | 08 39 10.46 | +22 13 59.9 | | 587 |
| (2011) | 1994 03 04.94216 | 08 31 22.76 | +22 11 13.9 | | 587 |
| (2011) | 1994 03 04.94644 | 08 31 22.63 | +22 11 14.1 | | 587 |
| (4792) | 1994 03 04.97206 | 11 14 29.64 | +16 55 07.3 | | 587 |
| (4792) | 1994 03 04.98351 | 11 14 29.29 | +16 55 08.4 | | 587 |

589 Santa Lucia Stroncone

A. Vagnozzi, Via Santa Lucia 68, I-05039 Stroncone (Terni), Italy

Observers A. Vagnozzi, V. Risoldi, G. Bernabei, E. Gregori, F. Lombardi

Measurer A. Vagnozzi

0.50-m $f/2.8$ Ritchey-Chrétien + CCD

GSC

| | | | | | |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1992 SW ₃ | 1994 04 06.90074 | 11 00 22.68 | +08 46 09.1 | 19.0 V | 589 |
| 1992 SW ₃ | 1994 04 06.91062 | 11 00 22.37 | +08 46 10.7 | | 589 |
| 1992 SW ₃ | 1994 04 06.92175 | 11 00 22.00 | +08 46 11.8 | | 589 |
| 1994 EF | 1994 04 06.86579 | 06 40 52.58 | +22 41 19.1 | 18.7 V | 589 |
| 1994 EF | 1994 04 06.87190 | 06 40 53.11 | +22 41 17.0 | | 589 |
| 1994 EF | 1994 04 06.87924 | 06 40 53.66 | +22 41 15.0 | | 589 |
| 1994 EF | 1994 04 28.84794 | 07 12 01.25 | +20 49 24.3 | 18.1 V | 589 |
| 1994 EF | 1994 04 28.85824 | 07 12 02.15 | +20 49 19.7 | | 589 |
| 1994 EH | 1994 04 14.82781 | 10 41 28.15 | +04 55 14.5 | 17.4 V | 589 |
| 1994 EH | 1994 04 14.83691 | 10 41 27.67 | +04 55 11.6 | | 589 |
| 1994 EH | 1994 04 28.89366 | 10 33 18.72 | +03 37 22.4 | 18.3 V | 589 |
| 1994 EH | 1994 04 28.90521 | 10 33 18.42 | +03 37 17.8 | | 589 |
| 1994 EX | 1994 04 06.93509 | 11 04 36.18 | +08 39 52.2 | 19.5 V | 589 |
| 1994 EX | 1994 04 06.94922 | 11 04 35.69 | +08 39 54.0 | | 589 |
| 1994 EX | 1994 04 06.95733 | 11 04 35.41 | +08 39 55.7 | | 589 |
| 1994 FN | 1994 04 14.84485 | 11 02 22.33 | +09 54 27.4 | 17.6 V | 589 |
| 1994 FN | 1994 04 14.85759 | 11 02 22.03 | +09 54 27.9 | | 589 |

| | | | | | | | | | | | |
|----------------------|--------------------|-------------|-------------|--------|-------|----------------------|--------------------|-------------|-------------|--------|-------|
| 1994 FN | 1994 04 14.87150 | 11 02 21.71 | +09 54 29.0 | | 589 | 1991 UZ ₂ | 1994 04 04.92931 | 13 37 17.55 | -07 56 51.9 | | 596 |
| 1994 FN | 1994 04 14.88334 | 11 02 21.44 | +09 54 29.4 | | 589 | 1994 EB | 1994 03 30.80256 | 11 54 50.71 | +02 46 41.5 | | 596 |
| 1994 FN | 1994 04 27.81707 | 10 59 41.95 | +09 51 44.9 | 18.1 V | 589 | 1994 EB | 1994 03 30.82740 | 11 54 49.42 | +02 46 52.4 | | 596 |
| 1994 FN | 1994 04 27.89033 | 10 59 41.63 | +09 51 39.4 | | 589 | 1994 EB | 1994 03 30.86403 | 11 54 47.53 | +02 47 10.4 | | 596 |
| 1994 GC | 1994 04 10.87424 | 11 01 03.14 | +10 33 09.7 | 19.3 V | 589 | 1994 EB | 1994 04 08.80072 | 11 48 34.05 | +03 55 41.7 | | 596 |
| 1994 GC | 1994 04 10.89452 | 11 01 02.56 | +10 33 10.5 | | I 589 | 1994 EB | 1994 04 08.82110 | 11 48 33.26 | +03 55 47.9 | | 596 |
| 1994 GC | 1994 04 10.90715 | 11 01 02.33 | +10 33 12.0 | | I 589 | 1994 EB | 1994 04 08.83521 | 11 48 32.71 | +03 55 54.0 | | 596 |
| 1994 HT ₁ | * 1994 04 30.85584 | 14 23 12.62 | -14 26 25.2 | 19.3 V | 589 | 1994 GM | * 1994 04 06.87394 | 13 36 33.11 | -07 38 41.4 | 17.2 V | 596 |
| 1994 HT ₁ | 1994 04 30.87036 | 14 23 11.87 | -14 26 21.2 | | 589 | 1994 GM | 1994 04 06.89891 | 13 36 31.65 | -07 38 30.0 | | 596 |
| 1994 HT ₁ | 1994 04 30.89194 | 14 23 10.68 | -14 26 13.9 | | 589 | 1994 GM | 1994 04 06.91843 | 13 36 30.68 | -07 38 23.3 | | 596 |
| 1994 HT ₁ | 1994 05 01.81053 | 14 22 22.76 | -14 21 11.1 | | 589 | 1994 GM | 1994 04 06.92981 | 13 36 29.95 | -07 38 18.9 | | 596 |
| 1994 HT ₁ | 1994 05 01.82083 | 14 22 22.19 | -14 21 07.2 | | 589 | 1994 GM | 1994 04 08.85799 | 13 34 43.08 | -07 25 33.1 | | 596 |
| 1994 HT ₁ | 1994 05 01.83113 | 14 22 21.63 | -14 21 03.7 | | 589 | 1994 GM | 1994 04 08.87826 | 13 34 42.19 | -07 25 27.5 | | 596 |
| 1994 HT ₁ | 1994 05 01.84110 | 14 22 21.19 | -14 21 00.1 | | 589 | 1994 GM | 1994 04 10.86513 | 13 32 49.73 | -07 12 10.9 | | 596 |
| | | | | | | 1994 GM | 1994 04 10.89090 | 13 32 48.48 | -07 12 01.1 | | 596 |
| | | | | | | 1994 GM | 1994 04 10.90492 | 13 32 47.41 | -07 11 57.3 | | 596 |
| | | | | | | 1994 GW | * 1994 04 12.83632 | 13 26 00.57 | +08 35 44.6 | 16.3 V | 596 |
| | | | | | | 1994 GW | 1994 04 12.85956 | 13 25 59.33 | +08 35 48.1 | | I 596 |
| | | | | | | 1994 GW | 1994 04 12.87736 | 13 25 58.25 | +08 35 50.3 | | I 596 |
| | | | | | | 1994 GW | 1994 04 12.88731 | 13 25 57.60 | +08 35 51.3 | | 596 |
| | | | | | | 1994 GW | 1994 04 14.83179 | 13 24 02.61 | +08 38 41.3 | | 596 |
| | | | | | | 1994 GW | 1994 04 14.84124 | 13 24 02.04 | +08 38 42.5 | | 596 |
| | | | | | | 1994 GW | 1994 04 14.85819 | 13 24 00.98 | +08 38 43.5 | | 596 |
| | | | | | | 1994 GW | 1994 04 14.86936 | 13 24 00.27 | +08 38 44.3 | | 596 |
| | | | | | | 1994 GW | 1994 04 20.83109 | 13 18 11.12 | +08 42 41.0 | | 596 |
| | | | | | | 1994 GW | 1994 04 20.84412 | 13 18 10.47 | +08 42 40.4 | | 596 |
| | | | | | | 1994 GW | 1994 04 20.85772 | 13 18 09.71 | +08 42 39.8 | | 596 |
| | | | | | | 1994 GW | 1994 04 20.86674 | 13 18 09.23 | +08 42 39.5 | | 596 |
| | | | | | | 1994 GW | 1994 04 30.81634 | 13 09 09.00 | +08 32 17.1 | 16.5 V | 596 |
| | | | | | | 1994 GW | 1994 04 30.83082 | 13 09 08.30 | +08 32 15.1 | | 596 |
| | | | | | | 1994 GW | 1994 04 30.83536 | 13 09 08.20 | +08 32 14.7 | | 596 |
| | | | | | | 1994 GW | 1994 05 01.80642 | 13 08 20.00 | +08 30 05.3 | | 596 |
| | | | | | | 1994 GW | 1994 05 01.81965 | 13 08 19.25 | +08 30 03.2 | | 596 |
| | | | | | | 1994 GW | 1994 05 01.82987 | 13 08 18.80 | +08 30 01.5 | | 596 |
| | | | | | | 2218 T-1 | 1994 04 02.81917 | 12 05 12.19 | +04 57 09.5 | | 596 |
| | | | | | | 2218 T-1 | 1994 04 02.83861 | 12 05 11.03 | +04 57 16.4 | | 596 |
| | | | | | | 2218 T-1 | 1994 04 02.85510 | 12 05 10.08 | +04 57 20.4 | | 596 |
| | | | | | | 2218 T-1 | 1994 04 02.86755 | 12 05 09.33 | +04 57 23.6 | | 596 |
| | | | | | | (3526) | 1994 03 31.90823 | 13 46 53.60 | -05 46 39.9 | | 596 |
| | | | | | | (3526) | 1994 03 31.92752 | 13 46 52.74 | -05 46 35.6 | | 596 |
| | | | | | | (3526) | 1994 03 31.94779 | 13 46 51.65 | -05 46 30.7 | | 596 |
| | | | | | | (4764) | 1994 03 27.88140 | 13 24 15.33 | +32 41 08.7 | | 596 |
| | | | | | | (4764) | 1994 03 27.90111 | 13 24 14.29 | +32 41 28.1 | | 596 |
| | | | | | | (4764) | 1994 03 27.91324 | 13 24 13.74 | +32 41 38.8 | | 596 |

596 Colleverde di Guidonia

V. S. Casulli, Via M. Rosa 1, I-00010 Colleverde di Guidonia (RM), Italy

Observers V. S. Casulli, S. Valentini

0.31-m $f/2.8$ Baker-Schmidt + CCD

GSC

| | | | | | | | | | | | |
|----------------------|------------------|-------------|-------------|--|-----|--|--|--|--|--|--|
| 1934 RB | 1994 03 30.88094 | 14 05 37.25 | -05 42 14.7 | | 596 | | | | | | |
| 1934 RB | 1994 03 30.89472 | 14 05 36.65 | -05 42 08.7 | | 596 | | | | | | |
| 1934 RB | 1994 03 30.91400 | 14 05 35.84 | -05 41 59.5 | | 596 | | | | | | |
| 1977 EO | 1994 04 04.79743 | 11 47 19.16 | -04 07 34.9 | | 596 | | | | | | |
| 1977 EO | 1994 04 04.81970 | 11 47 17.83 | -04 07 32.1 | | 596 | | | | | | |
| 1977 EO | 1994 04 04.84449 | 11 47 16.47 | -04 07 28.4 | | 596 | | | | | | |
| 1977 EF ₁ | 1994 04 02.92084 | 14 10 47.78 | -05 33 47.0 | | 596 | | | | | | |
| 1977 EF ₁ | 1994 04 02.94829 | 14 10 46.72 | -05 33 28.3 | | 596 | | | | | | |
| 1977 EF ₁ | 1994 04 02.95977 | 14 10 46.35 | -05 33 18.8 | | 596 | | | | | | |
| 1983 JQ | 1994 04 02.88086 | 13 01 21.08 | -02 07 53.8 | | 596 | | | | | | |
| 1983 JQ | 1994 04 02.89690 | 13 01 20.40 | -02 07 47.6 | | 596 | | | | | | |
| 1983 JQ | 1994 04 02.90834 | 13 01 19.76 | -02 07 44.2 | | 596 | | | | | | |
| 1985 FD | 1994 04 22.87134 | 14 55 39.25 | +06 21 53.7 | | 596 | | | | | | |
| 1985 FD | 1994 04 22.88797 | 14 55 38.34 | +06 21 55.3 | | 596 | | | | | | |
| 1985 FD | 1994 04 22.90420 | 14 55 37.43 | +06 21 56.7 | | 596 | | | | | | |
| 1985 JL | 1994 04 23.86712 | 14 40 30.85 | -03 23 58.0 | | 596 | | | | | | |
| 1985 JL | 1994 04 23.88515 | 14 40 29.97 | -03 23 58.4 | | 596 | | | | | | |
| 1985 JL | 1994 04 23.91134 | 14 40 28.46 | -03 23 59.0 | | 596 | | | | | | |
| 1985 VE | 1994 03 31.90823 | 13 47 06.57 | -05 39 18.0 | | 596 | | | | | | |
| 1985 VE | 1994 03 31.92752 | 13 47 05.63 | -05 39 07.5 | | 596 | | | | | | |
| 1985 VE | 1994 03 31.94779 | 13 47 04.96 | -05 38 55.8 | | 596 | | | | | | |
| 1990 FQ ₁ | 1994 04 23.93142 | 15 53 43.23 | -09 59 00.1 | | 596 | | | | | | |
| 1990 FQ ₁ | 1994 04 23.94625 | 15 53 42.76 | -09 58 42.9 | | 596 | | | | | | |
| 1990 FQ ₁ | 1994 04 23.96208 | 15 53 42.25 | -09 58 25.7 | | 596 | | | | | | |
| 1990 FQ ₁ | 1994 04 23.97719 | 15 53 41.69 | -09 58 12.1 | | 596 | | | | | | |
| 1991 GN | 1994 04 24.00500 | 17 16 45.92 | -03 05 58.2 | | 596 | | | | | | |
| 1991 GN | 1994 04 24.02117 | 17 16 45.74 | -03 05 40.0 | | 596 | | | | | | |
| 1991 SF ₁ | 1994 04 02.98559 | 15 16 09.99 | -14 44 35.1 | | 596 | | | | | | |
| 1991 SF ₁ | 1994 04 03.00322 | 15 16 09.77 | -14 44 25.4 | | 596 | | | | | | |
| 1991 SF ₁ | 1994 04 03.01145 | 15 16 09.64 | -14 44 20.3 | | 596 | | | | | | |
| 1991 UZ ₂ | 1994 04 04.86729 | 13 37 20.22 | -07 57 10.4 | | 596 | | | | | | |
| 1991 UZ ₂ | 1994 04 04.88939 | 13 37 19.17 | -07 57 02.8 | | 596 | | | | | | |
| 1991 UZ ₂ | 1994 04 04.90949 | 13 37 18.40 | -07 56 57.1 | | 596 | | | | | | |

657 Victoria, Climenhaga Observatory

J. B. Tatum, Dept. of Physics, University of Victoria, P.O. Box 1700, Victoria, BC V8W 2Y2, Canada

Observer J. B. Tatum

0.25-m Schmidt telescope

SAO

| | | | | | |
|------|------------------|-------------|-------------|--|-----|
| (41) | 1994 03 06.28767 | 10 32 47.14 | +00 34 44.6 | | 657 |
| (41) | 1994 03 06.32951 | 10 32 45.25 | +00 35 18.1 | | 657 |

| | | | | | | | | | | | |
|---|------------------|-------------|-------------|-----|-----------------------|--------------------|-------------|-------------|--------|-------|--|
| (417) | 1994 03 07.34601 | 11 14 57.26 | -01 26 38.0 | 657 | 1953 TW ₃ | * 1953 10 01.28507 | 23 14 51.55 | +03 30 24.2 | | 6 675 | |
| (417) | 1994 03 07.38142 | 11 14 55.55 | -01 26 22.3 | 657 | 1953 TW ₃ | 1953 10 01.30833 | 23 14 50.10 | +03 30 21.2 | 18.2 | 6 675 | |
| (524) | 1994 03 07.34601 | 11 24 28.50 | -01 39 34.0 | 657 | 1953 TX ₃ | * 1953 10 01.28507 | 23 25 41.50 | -01 59 04.5 | | 6 675 | |
| (524) | 1994 03 07.38142 | 11 24 26.33 | -01 39 27.4 | 657 | 1953 TX ₃ | 1953 10 01.30833 | 23 25 39.46 | -01 58 51.9 | 17.8 | 6 675 | |
| (1056) | 1994 03 06.26267 | 10 13 57.47 | +18 07 36.9 | 657 | 1954 YP | * 1954 12 22.41667 | 08 35 16.95 | +18 44 48.3 | 16.8 | 6 675 | |
| (1056) | 1994 03 06.30521 | 10 13 55.24 | +18 07 52.8 | 657 | 1954 YP | 1954 12 22.43993 | 08 35 16.43 | +18 45 00.0 | | 6 675 | |
| 658 Dominion Astrophysical Observatory, Victoria | | | | | 1955 CG | * 1955 02 13.26875 | 07 49 13.62 | +33 18 48.7 | 17.0 | 6 675 | |
| J. B. Tatum, Dept. of Physics, University of Victoria, P.O. Box 1700, Victoria, BC V8W 2Y2, Canada | | | | | 1955 CG | 1955 02 13.29375 | 07 49 12.81 | +33 18 51.3 | | 6 675 | |
| Observers D. D. Balam, J. B. Tatum, G. C. L. Aikman | | | | | 1972 RU ₃ | 1994 03 14.42396 | 13 22 47.18 | -04 19 20.5 | 18.0 | 9 675 | |
| Measurer D. D. Balam | | | | | 1972 RU ₃ | 1994 03 14.47882 | 13 22 44.72 | -04 19 10.2 | | 9 675 | |
| 1.82-m Plaskett telescope + CCD | | | | | 1973 SQ ₃ | 1993 01 24.43733 | 10 17 26.32 | +03 26 01.8 | 18.8 | 9 675 | |
| GSC | | | | | 1974 OE | 1994 04 04.14947 | 08 21 50.28 | +26 38 29.1 | 19.0 | 9 675 | |
| 1974 XT | | | | | 1974 OE | 1994 04 04.28090 | 08 21 53.06 | +26 37 47.7 | | 9 675 | |
| 1994 04 20.45948 | | | | | 1976 QN | 1994 02 12.32326 | 09 36 24.96 | +14 28 14.6 | 17.5 | 9 675 | |
| 1994 04 20.46413 | | | | | 1976 QN | 1994 02 12.36094 | 09 36 22.36 | +14 28 25.6 | | 9 675 | |
| 1994 04 20.46712 | | | | | 1976 QN | 1994 02 15.31267 | 09 33 05.91 | +14 44 21.3 | 17.0 | 9 675 | |
| 1993 UC | | | | | 1976 UG ₂ | 1953 10 01.28507 | 23 19 22.11 | -01 50 45.2 | | 6 675 | |
| 1994 04 20.44670 | | | | | 1976 UG ₂ | 1953 10 01.30833 | 23 19 21.10 | -01 50 48.0 | 16.0 | 6 675 | |
| 1994 04 20.44899 | | | | | 1977 EX | 1994 02 11.22638 | 08 37 00.88 | +15 25 51.8 | 17.5 | 9 675 | |
| 1994 04 20.45168 | | | | | 1977 EX | 1994 02 11.27482 | 08 36 57.86 | +15 25 46.6 | | 9 675 | |
| 1993 VB | | | | | 1977 EX | 1994 02 14.35104 | 08 33 56.46 | +15 20 44.1 | 16.8 | 9 675 | |
| 1994 03 19.51179 | | | | | 1977 EX | 1994 02 14.38923 | 08 33 54.21 | +15 20 40.2 | | 9 675 | |
| 1994 03 19.52152 | | | | | 1977 EK ₁ | 1984 04 29.27708 | 13 07 19.46 | -04 19 32.5 | 15.8 V | 9 675 | |
| 1993 VB | | | | | 1977 EK ₁ | 1984 04 29.29931 | 13 07 18.58 | -04 19 24.4 | | 9 675 | |
| 1994 03 19.52429 | | | | | 1978 NY ₇ | 1994 03 14.42396 | 13 00 20.76 | -02 22 01.6 | 18.5 | 9 675 | |
| (5870) | | | | | 1978 NY ₇ | 1994 03 14.47882 | 13 00 18.81 | -02 21 47.7 | | 9 675 | |
| 1994 03 19.47775 | | | | | 1978 NY ₇ | 1994 04 03.28021 | 12 46 47.56 | -00 51 09.9 | 17.2 | 9 675 | |
| (5870) | | | | | 1978 NY ₇ | 1994 04 03.31944 | 12 46 45.81 | -00 50 59.7 | | 9 675 | |
| 1994 03 19.47981 | | | | | 1978 PD ₃ | 1955 04 20.21181 | 11 15 44.95 | -01 13 08.7 | 19.2 | 6 675 | |
| 1994 03 19.48192 | | | | | 1978 PD ₃ | 1955 04 20.23716 | 11 15 44.25 | -01 13 04.5 | | 6 675 | |
| (5870) | | | | | 1979 MY ₂ | 1994 04 11.34184 | 12 28 24.56 | -09 24 57.3 | 17.0 | 2 675 | |
| 1994 03 19.48399 | | | | | 1979 MY ₂ | 1994 04 11.36997 | 12 28 23.26 | -09 24 45.8 | | 2 675 | |
| 13 14 51.89 | | | | | 1979 MY ₂ | 1994 04 15.26302 | 12 25 34.62 | -08 54 44.9 | | 2 675 | |
| +17 42 52.3 | | | | | 1979 MY ₂ | 1994 04 15.30764 | 12 25 32.77 | -08 54 21.9 | | 2 675 | |
| 671 Stony Ridge | | | | | 1979 MZ ₂ | 1994 02 10.43454 | 11 41 51.48 | +02 26 14.3 | 17.5 | 9 675 | |
| J. B. Child, World Space Foundation, P.O. Box Y, South Pasadena, CA 91031, U.S.A. | | | | | 1979 MZ ₂ | 1994 02 10.47152 | 11 41 50.43 | +02 26 22.5 | | 9 675 | |
| Observers J. B. Child, J. E. Rogers, E. F. Helin, K. Lawrence | | | | | 1979 SP ₁₄ | 1994 04 03.28021 | 12 43 17.36 | -00 38 07.8 | 17.8 | 9 675 | |
| Measurer J. B. Child | | | | | 1979 SP ₁₄ | 1994 04 03.31944 | 12 43 15.64 | -00 37 56.7 | | 9 675 | |
| 0.75-m f/6 Newtonian reflector + focal reducer + CCD | | | | | 1979 TS ₂ | 1994 02 10.43454 | 11 24 45.33 | +00 04 51.9 | 17.8 | 9 675 | |
| 1992 SQ ₂ | | | | | 1979 TS ₂ | 1994 02 10.47152 | 11 24 43.84 | +00 05 01.1 | | 9 675 | |
| 1994 04 05.23841 | | | | | 1979 XQ | 1994 04 04.14947 | 08 04 10.14 | +24 43 31.9 | 19.0 | 9 675 | |
| 1994 04 05.25113 | | | | | 1979 XQ | 1994 04 04.19756 | 08 04 11.97 | +24 43 19.5 | | 9 675 | |
| 1994 04 05.26456 | | | | | 1980 FH ₂ | 1955 04 20.21181 | 11 23 57.45 | +00 13 36.8 | 18.8 | 6 675 | |
| +04 28 03.8 | | | | | 1980 FH ₂ | 1955 04 20.23716 | 11 23 56.71 | +00 13 40.8 | | 6 675 | |
| +04 28 06.7 | | | | | 1980 FH ₂ | 1994 02 12.32326 | 09 31 08.42 | +15 27 48.0 | 17.5 | 9 675 | |
| +04 28 10.5 | | | | | 1980 FH ₂ | 1994 02 12.36094 | 09 31 05.93 | +15 27 54.4 | | 9 675 | |
| 675 Palomar | | | | | 1980 FH ₂ | 1994 02 15.31267 | 09 27 58.28 | +15 38 19.0 | | 9 675 | |
| E. Helin, MS 183-501, Jet Propulsion Laboratory, Pasadena, CA 91109, U.S.A. (2) | | | | | 1980 FH ₂ | 1994 02 15.34861 | 09 27 55.88 | +15 38 25.7 | 18.0 | 9 675 | |
| C. Shoemaker, P.O. Box 984, Flagstaff, AZ 86002, U.S.A. (3) | | | | | 1980 RB ₈ | 1993 01 24.43733 | 10 14 47.56 | +01 58 13.2 | 18.0 | 9 675 | |
| C. J. van Houten, Sterrewacht Leiden, Postbus 9513, NL-2300 RA Leiden, The Netherlands (4) | | | | | 1980 RB ₈ | 1993 01 24.47278 | 10 14 46.06 | +01 58 14.3 | | 9 675 | |
| E. Bowell, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001, U.S.A. (6) | | | | | 1980 UL | 1993 01 24.43733 | 10 09 53.56 | +05 33 29.7 | 18.6 | 9 675 | |
| 9 = 3 + 6 | | | | | 1980 UL | 1993 01 24.47278 | 10 09 51.96 | +05 33 52.2 | | 9 675 | |
| Observers T. Gehrels (4, L), E. F. Helin (2, S), H. E. Holt (3, S), K. Lawrence (2, S), D. H. Levy (3, S), P. Rose (2, S), C. S. Shoemaker (3, S), E. M. Shoemaker (3, S), D. Williams (3, S) | | | | | | | | | | | |
| Measurers K. Lawrence (2), M. F. Nordstrand (9), B. A. Skiff (9), C. J. van Houten (4), I. van Houten-Groeneveld (4), A. Wisse (4) | | | | | | | | | | | |
| 1953 QW | | | | | | | | | | | |
| * 1953 08 16.42813 | | | | | | | | | | | |
| 23 51 55.41 | | | | | | | | | | | |
| +04 08 26.2 | | | | | | | | | | | |
| 6 675 | | | | | | | | | | | |
| 1953 QW | | | | | | | | | | | |
| 1953 08 16.45139 | | | | | | | | | | | |
| 23 51 54.69 | | | | | | | | | | | |
| +04 08 23.2 | | | | | | | | | | | |
| 17.8 | | | | | | | | | | | |
| 6 675 | | | | | | | | | | | |

| | | | | | | | | | | | |
|-----------------------|------------------|-------------|-------------|--------|-------|----------------------|------------------|-------------|-------------|------|-------|
| 1981 DZ | 1994 02 15.39149 | 10 53 06.29 | -08 18 46.7 | 18.2 | 9 675 | 1987 QS ₁ | 1953 10 01.28507 | 23 08 05.65 | -00 51 34.6 | | 6 675 |
| 1981 DZ | 1994 02 15.43420 | 10 53 04.31 | -08 18 40.9 | | 9 675 | 1987 QS ₁ | 1953 10 01.30833 | 23 08 04.48 | -00 51 38.8 | 18.2 | 6 675 |
| 1981 ET ₈ | 1955 04 20.21181 | 11 26 11.32 | +00 37 23.5 | 18.8 | 6 675 | 1987 QT ₁ | 1955 04 20.21181 | 11 30 14.59 | -03 22 24.6 | 18.5 | 6 675 |
| 1981 ET ₈ | 1955 04 20.23716 | 11 26 10.71 | +00 37 31.1 | | 6 675 | 1987 QT ₁ | 1955 04 20.23716 | 11 30 13.63 | -03 22 20.8 | | 6 675 |
| 1981 EG ₁₁ | 1955 12 18.27569 | 05 08 09.40 | +14 26 47.8 | 18.8 | 6 675 | 1987 QZ ₁ | 1953 11 30.12431 | 22 48 11.12 | -02 12 45.2 | 18.8 | 6 675 |
| 1981 EG ₁₁ | 1955 12 18.29757 | 05 08 08.03 | +14 26 43.8 | | 6 675 | 1987 RT ₃ | 1994 02 12.32326 | 09 16 35.53 | +15 38 47.6 | 17.2 | 9 675 |
| 1981 EL ₂₁ | 1994 02 15.31267 | 09 28 30.73 | +11 48 33.7 | 18.5 | 9 675 | 1987 RT ₃ | 1994 02 12.36094 | 09 16 33.27 | +15 38 48.4 | | 9 675 |
| 1981 EL ₂₁ | 1994 02 15.34861 | 09 28 28.67 | +11 48 42.9 | | 9 675 | 1987 RT ₃ | 1994 02 15.31267 | 09 13 43.57 | +15 41 07.6 | 17.0 | 9 675 |
| 1981 ES ₂₉ | 1955 12 18.27569 | 04 53 17.58 | +13 17 45.8 | 18.0 | 6 675 | 1987 RT ₃ | 1994 02 15.34861 | 09 13 41.47 | +15 41 09.5 | | 9 675 |
| 1981 ES ₂₉ | 1955 12 18.29757 | 04 53 16.30 | +13 17 42.1 | | 6 675 | 1987 SJ ₃ | 1994 01 04.23559 | 06 16 19.63 | +67 05 43.9 | 17.0 | 9 675 |
| 1981 FL | 1953 10 01.30833 | 23 31 47.71 | -01 36 36.8 | 18.5 | 6 675 | 1987 SJ ₃ | 1994 01 04.27274 | 06 16 13.67 | +67 05 37.3 | | 9 675 |
| 1981 QE | 1994 02 11.22638 | 08 36 32.77 | +16 52 45.7 | 18.8 | 9 675 | 1987 SJ ₃ | 1994 01 07.25156 | 06 08 45.64 | +66 53 07.1 | 17.2 | 9 675 |
| 1981 QE | 1994 02 11.27482 | 08 36 29.86 | +16 52 58.7 | | 9 675 | 1987 SJ ₃ | 1994 01 07.30381 | 06 08 37.72 | +66 52 50.1 | | 9 675 |
| 1981 QE | 1994 02 14.35104 | 08 33 41.36 | +17 04 34.1 | 18.5 | 9 675 | 1988 RF ₉ | 1994 02 10.43454 | 11 34 35.34 | +06 51 40.8 | 18.8 | 9 675 |
| 1981 QE | 1994 02 14.38923 | 08 33 39.26 | +17 04 41.3 | | 9 675 | 1988 RF ₉ | 1994 02 10.47152 | 11 34 33.98 | +06 51 51.8 | | 9 675 |
| 1982 TQ ₂ | 1955 04 20.21181 | 11 23 46.27 | -01 59 04.6 | 18.8 | 6 675 | 1988 TD | 1954 11 23.38472 | 06 21 16.01 | +24 16 41.4 | 18.5 | 6 675 |
| 1982 TQ ₂ | 1955 04 20.23716 | 11 23 45.46 | -01 58 58.4 | | 6 675 | 1988 VN ₃ | 1993 03 24.21649 | 10 06 26.31 | +03 53 45.9 | 17.8 | 9 675 |
| 1982 UD ₂ | 1994 02 12.32326 | 09 24 16.32 | +19 12 25.1 | 17.5 | 9 675 | 1988 VN ₃ | 1993 03 24.25521 | 10 06 25.12 | +03 53 59.8 | | 9 675 |
| 1982 UD ₂ | 1994 02 12.36094 | 09 24 14.29 | +19 12 32.3 | | 9 675 | 1989 AD ₃ | 1994 02 12.32326 | 09 30 27.88 | +14 32 40.4 | 17.5 | 9 675 |
| 1982 UD ₂ | 1994 02 15.31267 | 09 21 42.47 | +19 23 12.6 | 17.5 | 9 675 | 1989 AD ₃ | 1994 02 12.36094 | 09 30 25.82 | +14 32 48.6 | | 9 675 |
| 1982 UD ₂ | 1994 02 15.34861 | 09 21 40.72 | +19 23 22.4 | | 9 675 | 1989 AD ₃ | 1994 02 15.31267 | 09 27 51.72 | +14 44 01.7 | 17.8 | 9 675 |
| 1982 UQ ₆ | 1994 02 10.43454 | 11 18 56.09 | +02 42 52.0 | 18.0 | 9 675 | 1989 AD ₃ | 1994 02 15.34861 | 09 27 49.79 | +14 44 09.4 | | 9 675 |
| 1982 UQ ₆ | 1994 02 10.47152 | 11 18 54.74 | +02 42 59.3 | | 9 675 | 1989 EC | 1994 04 12.15208 | 09 15 34.77 | +12 00 12.6 | 16.0 | 2 675 |
| 1982 VB ₁ | 1953 10 01.28507 | 23 07 19.03 | +02 45 43.6 | | 6 675 | 1989 EC | 1994 04 12.17274 | 09 15 35.07 | +11 59 54.9 | | 2 675 |
| 1982 VB ₁ | 1953 10 01.30833 | 23 07 18.20 | +02 45 32.1 | 17.5 | 6 675 | 1989 EC | 1994 04 14.20868 | 09 16 15.58 | +11 31 24.7 | | 2 675 |
| 1983 CQ ₃ | 1953 11 30.10035 | 22 56 33.40 | +01 30 45.5 | | 6 675 | 1989 EC | 1994 04 14.24028 | 09 16 16.42 | +11 30 56.3 | | 2 675 |
| 1983 CQ ₃ | 1953 11 30.12431 | 22 56 35.03 | +01 30 52.1 | 17.2 | 6 675 | 1989 EQ | 1994 02 11.22638 | 08 37 52.58 | +18 58 40.2 | 17.0 | 9 675 |
| 1983 PY | 1993 01 24.43733 | 10 03 10.35 | +03 47 45.6 | 18.2 | 9 675 | 1989 EQ | 1994 02 11.27482 | 08 37 50.01 | +18 58 39.9 | | 9 675 |
| 1983 PY | 1993 01 24.47278 | 10 03 08.77 | +03 47 52.7 | | 9 675 | 1989 EQ | 1994 02 14.35104 | 08 35 16.44 | +18 57 51.5 | 17.0 | 9 675 |
| 1984 EG | 1994 02 15.48594 | 11 59 50.35 | +06 39 46.9 | 17.5 | 9 675 | 1989 EQ | 1994 02 14.38923 | 08 35 14.44 | +18 57 51.0 | | 9 675 |
| 1984 EG | 1994 02 15.52708 | 11 59 49.39 | +06 40 06.9 | | 9 675 | 1989 RO ₂ | 1994 01 04.23559 | 06 08 12.33 | +66 20 09.7 | 15.5 | 9 675 |
| 1985 RL ₃ | 1994 04 04.14947 | 08 38 20.94 | +27 29 18.5 | 18.2 | 9 675 | 1989 RO ₂ | 1994 01 07.25156 | 06 02 56.06 | +65 43 46.8 | 15.8 | 9 675 |
| 1985 RL ₃ | 1994 04 04.19756 | 08 38 22.08 | +27 29 08.4 | | 9 675 | 1989 RO ₂ | 1994 01 07.30381 | 06 02 50.63 | +65 43 06.1 | | 9 675 |
| 1985 SJ ₃ | 1994 02 10.43454 | 11 20 50.83 | +03 20 10.1 | 17.5 | 9 675 | 1989 TO | 1994 03 09.29306 | 10 33 26.35 | +07 39 02.4 | 14.5 | 2 675 |
| 1985 SJ ₃ | 1994 02 10.47152 | 11 20 49.23 | +03 20 12.3 | | 9 675 | 1989 TO | 1994 03 09.31753 | 10 33 24.14 | +07 38 51.9 | | 2 675 |
| 1985 UH ₃ | 1984 04 29.29931 | 13 26 42.08 | -04 35 55.5 | 16.8 V | 9 675 | 1989 TO | 1994 03 10.30365 | 10 31 59.76 | +07 32 13.5 | | 2 675 |
| 1986 PF | 1993 01 24.43733 | 10 27 04.25 | +01 08 44.4 | 18.2 | 9 675 | 1989 UX ₅ | 1994 02 15.48594 | 11 55 51.32 | +06 03 34.8 | 18.8 | 9 675 |
| 1986 PF | 1993 01 24.47278 | 10 27 02.86 | +01 08 44.6 | | 9 675 | 1989 YL ₅ | 1994 02 12.32326 | 09 28 37.56 | +14 19 05.5 | 17.2 | 9 675 |
| 1986 PS ₄ | 1994 02 12.32326 | 09 27 16.72 | +14 18 33.7 | 17.5 | 9 675 | 1989 YL ₅ | 1994 02 12.36094 | 09 28 35.15 | +14 19 13.9 | | 9 675 |
| 1986 PS ₄ | 1994 02 12.36094 | 09 27 14.67 | +14 18 37.9 | | 9 675 | 1989 YL ₅ | 1994 02 15.31267 | 09 25 39.46 | +14 29 40.6 | 17.2 | 9 675 |
| 1986 PS ₄ | 1994 02 15.31267 | 09 24 39.55 | +14 24 16.9 | 17.5 | 9 675 | 1989 YL ₅ | 1994 02 15.34861 | 09 25 37.25 | +14 29 47.8 | | 9 675 |
| 1986 PS ₄ | 1994 02 15.34861 | 09 24 37.62 | +14 24 20.5 | | 9 675 | 1990 EO ₄ | 1994 02 10.43454 | 11 32 51.61 | +00 13 00.1 | 18.8 | 9 675 |
| 1986 QS ₃ | 1994 02 11.22638 | 08 20 54.98 | +16 06 20.1 | 18.5 | 9 675 | 1990 FT ₁ | 1955 12 18.27569 | 04 44 13.71 | +13 32 21.5 | 16.0 | 6 675 |
| 1986 QS ₃ | 1994 02 11.27482 | 08 20 52.79 | +16 06 35.5 | | 9 675 | 1990 FT ₁ | 1955 12 18.29757 | 04 44 12.37 | +13 32 31.7 | | 6 675 |
| 1986 RX ₂ | 1994 02 15.31267 | 09 19 47.58 | +16 32 57.5 | 18.8 | 9 675 | 1990 GS | 1994 02 15.48594 | 11 49 39.84 | +05 52 52.8 | 18.8 | 9 675 |
| 1986 TZ ₁ | 1994 04 04.14947 | 08 14 23.20 | +25 27 34.1 | 18.8 | 9 675 | 1990 GS | 1994 02 15.52708 | 11 49 38.09 | +05 52 55.3 | | 9 675 |
| 1986 TZ ₁ | 1994 04 04.19756 | 08 14 25.02 | +25 27 25.6 | | 9 675 | 1990 KE | 1953 10 01.28507 | 23 30 36.13 | +01 59 03.3 | | 6 675 |
| 1986 TZ ₁ | 1994 04 05.24896 | 08 15 05.85 | +25 24 06.2 | | 9 675 | 1990 KE | 1953 10 01.30833 | 23 30 35.34 | +01 58 45.8 | 16.2 | 6 675 |
| 1986 TZ ₁ | 1994 04 06.15365 | 08 15 42.53 | +25 21 10.8 | | 9 675 | 1990 MN | 1955 01 15.15243 | 03 00 10.84 | +05 26 10.5 | | 6 675 |
| 1986 TZ ₁ | 1994 04 06.17170 | 08 15 43.19 | +25 21 06.4 | | 9 675 | 1990 MN | 1955 01 15.17569 | 03 00 11.57 | +05 26 22.6 | 18.0 | 6 675 |
| 1986 XF ₁ | 1955 04 20.21181 | 11 29 47.64 | -00 38 54.5 | 19.2 | 6 675 | 1990 OE | 1953 11 30.10035 | 22 50 26.47 | +02 41 39.3 | | 6 675 |
| 1986 XF ₁ | 1955 04 20.23716 | 11 29 46.83 | -00 38 49.7 | | 6 675 | 1990 OE | 1953 11 30.12431 | 22 50 28.53 | +02 41 39.4 | 17.5 | 6 675 |

| | | | | | | | | | | | |
|-----------------------|------------------|-------------|-------------|--------|-------|-----------------------|------------------|-------------|-------------|------|-------|
| 1990 SN ₁ | 1953 08 16.42813 | 23 52 30.83 | +06 44 06.8 | | 6 675 | 1992 TY | 1994 02 12.36094 | 09 12 34.88 | +16 49 52.9 | | 9 675 |
| 1990 SN ₁ | 1953 08 16.45139 | 23 52 30.39 | +06 44 06.5 | 16.8 | 6 675 | 1992 TY | 1994 02 15.31267 | 09 09 30.79 | +17 09 02.0 | 17.8 | 9 675 |
| 1990 SN ₁ | 1953 10 01.30833 | 23 20 13.37 | +02 27 08.8 | 16.5 | 6 675 | 1992 TY | 1994 02 15.34861 | 09 09 28.54 | +17 09 17.1 | | 9 675 |
| 1990 SN ₁ | 1955 04 20.21181 | 11 20 03.79 | -00 23 01.0 | 18.2 | 6 675 | 1992 UG | 1994 02 15.48594 | 12 08 51.07 | +08 56 51.8 | 18.9 | 9 675 |
| 1990 SN ₁ | 1955 04 20.23716 | 11 20 03.24 | -00 22 54.4 | | 6 675 | 1992 UB ₂ | 1994 02 10.43454 | 11 48 52.85 | +02 02 09.0 | 18.8 | 9 675 |
| 1990 UF | 1993 03 24.21649 | 10 13 20.60 | +05 42 47.4 | 18.0 | 9 675 | 1992 UB ₂ | 1994 02 10.47152 | 11 48 51.68 | +02 02 21.4 | | 9 675 |
| 1990 UF | 1993 03 24.25521 | 10 13 19.41 | +05 42 58.6 | | 9 675 | 1992 WH ₁ | 1994 02 15.48594 | 12 11 20.56 | +05 59 59.3 | 18.0 | 9 675 |
| 1991 BD | 1953 11 30.10035 | 22 55 07.56 | +00 35 26.9 | | 6 675 | 1992 WH ₁ | 1994 02 15.52708 | 12 11 19.37 | +06 00 15.9 | | 9 675 |
| 1991 BD | 1953 11 30.12431 | 22 55 09.20 | +00 35 31.5 | 18.8 | 6 675 | 1992 WT ₂ | 1994 04 03.28021 | 12 43 40.82 | +03 37 49.5 | 16.8 | 9 675 |
| 1991 FT | 1994 04 04.14947 | 08 20 10.81 | +25 50 12.6 | 19.2 | 9 675 | 1992 WT ₂ | 1994 04 03.31944 | 12 43 38.55 | +03 38 04.1 | | 9 675 |
| 1991 FT | 1994 04 04.19756 | 08 20 11.95 | +25 49 57.4 | | 9 675 | 1992 XF | 1994 02 15.39149 | 11 06 39.04 | -09 33 06.0 | 17.5 | 9 675 |
| 1991 FT | 1994 04 05.24896 | 08 20 37.03 | +25 44 34.7 | | 9 675 | 1992 XF | 1994 02 15.43420 | 11 06 37.16 | -09 33 07.2 | | 9 675 |
| 1991 FT | 1994 04 05.26736 | 08 20 37.49 | +25 44 27.3 | | 9 675 | 1993 CO ₁ | 1993 03 24.21649 | 10 03 19.94 | +06 08 31.8 | 17.8 | 9 675 |
| 1991 FT | 1994 04 06.15365 | 08 21 00.28 | +25 39 51.9 | | 9 675 | 1993 CO ₁ | 1993 03 24.25521 | 10 03 18.86 | +06 08 46.5 | | 9 675 |
| 1991 FT | 1994 04 06.17170 | 08 21 00.70 | +25 39 45.2 | | 9 675 | 1993 DM | 1993 03 24.21649 | 10 01 05.08 | +05 35 55.3 | 18.0 | 9 675 |
| 1991 GU ₉ | 1994 04 05.24896 | 07 55 55.41 | +29 57 45.5 | 18.5 | 9 675 | 1993 DM | 1993 03 24.25521 | 10 01 03.80 | +05 36 06.2 | | 9 675 |
| 1991 GU ₉ | 1994 04 06.15365 | 07 56 33.76 | +29 55 25.2 | | 9 675 | 1993 DN | 1993 03 24.21649 | 09 59 45.42 | +04 56 36.0 | 17.8 | 9 675 |
| 1991 GU ₉ | 1994 04 06.17170 | 07 56 34.49 | +29 55 21.8 | | 9 675 | 1993 DN | 1993 03 24.25521 | 09 59 44.13 | +04 56 44.8 | | 9 675 |
| 1991 KA | 1994 02 15.48594 | 11 59 14.15 | +07 25 28.4 | 18.0 | 9 675 | 1993 FO ₂₃ | 1993 04 15.22743 | 12 50 53.87 | -06 17 21.3 | 18.0 | 3 675 |
| 1991 KA | 1994 02 15.52708 | 11 59 12.89 | +07 25 46.1 | | 9 675 | 1993 FO ₂₃ | 1993 04 15.26059 | 12 50 52.46 | -06 16 58.9 | | 3 675 |
| 1991 NE ₁ | 1994 02 11.22638 | 08 31 48.20 | +17 38 57.1 | 18.0 | 9 675 | 1993 RD | 1955 04 20.21181 | 11 19 28.94 | -00 59 57.0 | 18.0 | 6 675 |
| 1991 NE ₁ | 1994 02 11.27482 | 08 31 45.76 | +17 38 59.7 | | 9 675 | 1993 RD | 1955 04 20.23716 | 11 19 28.38 | -00 59 58.5 | | 6 675 |
| 1991 PE | 1994 02 11.22638 | 08 37 38.97 | +19 06 37.9 | 18.8 | 9 675 | 1993 UC | 1994 04 05.37778 | 13 36 38.63 | +73 57 21.6 | 14.0 | 9 675 |
| 1991 PE | 1994 02 11.27482 | 08 37 36.69 | +19 06 48.2 | | 9 675 | 1993 UC | 1994 04 05.41580 | 13 36 49.50 | +73 53 27.5 | | 9 675 |
| 1991 PE | 1994 02 14.35104 | 08 35 21.60 | +19 16 11.8 | 18.8 | 9 675 | 1994 AV ₁ | 1994 02 11.22638 | 08 09 50.34 | +18 13 47.2 | 17.5 | 9 675 |
| 1991 PE | 1994 02 14.38923 | 08 35 19.77 | +19 16 20.0 | | 9 675 | 1994 AV ₁ | 1994 02 11.27482 | 08 09 47.65 | +18 13 40.9 | | 9 675 |
| 1991 PO ₂ | 1994 02 12.32326 | 09 12 18.60 | +19 01 15.1 | 18.0 | 9 675 | 1994 AF ₂ | 1994 04 05.24896 | 07 57 18.59 | +28 44 07.9 | 18.8 | 9 675 |
| 1991 PO ₂ | 1994 02 12.36094 | 09 12 16.72 | +19 01 23.6 | | 9 675 | 1994 AF ₂ | 1994 04 06.15365 | 07 57 44.33 | +28 43 25.3 | | 9 675 |
| 1991 PE ₅ | 1994 02 15.31267 | 09 27 28.40 | +13 05 02.9 | 17.5 | 9 675 | 1994 AF ₂ | 1994 04 06.17170 | 07 57 44.88 | +28 43 24.8 | | 9 675 |
| 1991 PE ₅ | 1994 02 15.34861 | 09 27 26.49 | +13 05 11.5 | | 9 675 | 1994 AM ₃ | 1994 04 05.24896 | 08 06 10.49 | +25 33 43.8 | | 9 675 |
| 1991 PJ ₇ | 1953 11 30.12431 | 23 00 00.96 | -01 46 17.3 | 18.8 | 6 675 | 1994 AM ₃ | 1994 04 06.15365 | 08 07 04.36 | +25 26 47.8 | | 9 675 |
| 1991 PA ₁₁ | 1993 01 24.43733 | 10 20 06.69 | +03 46 58.1 | 17.9 | 9 675 | 1994 AM ₃ | 1994 04 06.17170 | 08 07 05.42 | +25 26 36.2 | | 9 675 |
| 1991 PA ₁₁ | 1993 01 24.47278 | 10 20 05.13 | +03 47 06.3 | | 9 675 | 1994 AK ₁₅ | 1994 02 11.22638 | 08 33 56.66 | +19 11 31.9 | 17.8 | 9 675 |
| 1991 RP ₁₁ | 1994 03 14.42396 | 13 12 25.70 | -05 27 30.6 | 18.0 | 9 675 | 1994 AK ₁₅ | 1994 02 11.27482 | 08 33 53.77 | +19 11 32.6 | | 9 675 |
| 1991 RP ₁₁ | 1994 03 14.47882 | 13 12 23.42 | -05 27 12.6 | | 9 675 | 1994 AK ₁₅ | 1994 02 14.35104 | 08 31 05.13 | +19 11 35.6 | 17.5 | 9 675 |
| 1991 UV | 1953 10 01.28507 | 23 17 42.83 | -01 59 28.5 | | 6 675 | 1994 AK ₁₅ | 1994 02 14.38923 | 08 31 03.03 | +19 11 35.3 | | 9 675 |
| 1991 UV | 1953 10 01.30833 | 23 17 41.82 | -01 59 36.1 | 16.2 | 6 675 | 1994 BF | 1994 02 12.32326 | 09 19 58.91 | +15 38 12.3 | 17.0 | 9 675 |
| 1992 HY ₄ | 1953 11 30.10035 | 23 02 31.80 | -00 49 14.8 | | 6 675 | 1994 BF | 1994 02 12.36094 | 09 19 56.76 | +15 38 34.3 | | 9 675 |
| 1992 HY ₄ | 1953 11 30.12431 | 23 02 33.31 | -00 49 08.2 | 18.0 | 6 675 | 1994 BF | 1994 02 15.31267 | 09 17 18.13 | +16 07 38.4 | 16.2 | 9 675 |
| 1992 HY ₄ | 1955 04 20.21181 | 11 30 03.65 | -03 31 19.9 | 18.5 | 6 675 | 1994 BF | 1994 02 15.34861 | 09 17 16.14 | +16 07 59.7 | | 9 675 |
| 1992 HY ₄ | 1955 04 20.23716 | 11 30 02.95 | -03 31 13.3 | | 6 675 | 1994 BY | 1994 04 06.15365 | 08 15 18.79 | +26 17 04.1 | | 9 675 |
| 1992 LJ | 1984 03 29.37569 | 13 44 48.24 | -04 32 29.3 | 16.8 V | 9 675 | 1994 BY | 1994 04 06.17170 | 08 15 19.69 | +26 16 57.5 | | 9 675 |
| 1992 LJ | 1984 03 29.39514 | 13 44 47.51 | -04 32 23.7 | | 9 675 | 1994 CO | 1994 02 14.35104 | 08 33 56.29 | +18 37 56.6 | 17.8 | 9 675 |
| 1992 LJ | 1984 03 30.37292 | 13 44 07.32 | -04 25 48.2 | | 9 675 | 1994 CO | 1994 02 14.38923 | 08 33 55.13 | +18 38 02.7 | | 9 675 |
| 1992 LJ | 1984 03 30.39236 | 13 44 06.54 | -04 25 42.9 | | 9 675 | 1994 CP | 1994 02 11.22638 | 08 34 04.25 | +18 25 09.3 | 17.8 | 9 675 |
| 1992 LJ | 1984 04 29.27708 | 13 20 09.27 | -01 19 13.5 | 16.2 V | 9 675 | 1994 CP | 1994 02 11.27482 | 08 34 01.82 | +18 25 21.7 | | 9 675 |
| 1992 LJ | 1984 04 29.29931 | 13 20 08.39 | -01 19 03.3 | | 9 675 | 1994 CP | 1994 02 14.35104 | 08 31 36.84 | +18 37 10.1 | 17.5 | 9 675 |
| 1992 RT | 1954 12 22.41667 | 08 36 31.04 | +17 42 00.4 | 18.5 | 6 675 | 1994 CP | 1994 02 14.38923 | 08 31 35.03 | +18 37 18.8 | | 9 675 |
| 1992 RT | 1954 12 22.43993 | 08 36 30.36 | +17 42 03.1 | | 6 675 | 1994 CQ | 1994 02 11.22638 | 08 36 01.20 | +19 04 15.5 | 17.8 | 9 675 |
| 1992 SW ₁₀ | 1994 02 15.48594 | 12 13 35.00 | +08 17 09.5 | 17.8 | 9 675 | 1994 CQ | 1994 02 11.27482 | 08 35 58.47 | +19 04 21.3 | | 9 675 |
| 1992 SW ₁₀ | 1994 02 15.52708 | 12 13 33.45 | +08 17 15.0 | | 9 675 | 1994 CQ | 1994 02 14.35104 | 08 33 20.88 | +19 09 27.0 | 17.8 | 9 675 |
| 1992 TY | 1994 02 12.32326 | 09 12 37.31 | +16 49 39.1 | 17.8 | 9 675 | 1994 CQ | 1994 02 14.38923 | 08 33 18.89 | +19 09 29.3 | | 9 675 |

| | | | | | | | | | | | |
|----------------------|--------------------|-------------|-------------|--------|-------|----------------------|--------------------|-------------|-------------|------|-------|
| 1994 CR | 1994 02 11.22638 | 08 36 44.95 | +19 16 26.0 | 18.5 | 9 675 | 1994 FX | 1994 04 11.41545 | 13 11 57.20 | -01 23 47.8 | 16.0 | 2 675 |
| 1994 CR | 1994 02 11.27482 | 08 36 42.45 | +19 16 41.2 | | 9 675 | 1994 FX | 1994 04 11.44792 | 13 11 55.37 | -01 23 30.9 | | 2 675 |
| 1994 CA ₈ | 1994 02 10.43454 | 11 24 10.53 | -00 21 57.2 | 18.0 | 9 675 | 1994 FX | 1994 04 13.37205 | 13 10 08.54 | -01 06 58.7 | | 2 675 |
| 1994 CA ₈ | 1994 02 10.47152 | 11 24 09.01 | -00 21 58.3 | | 9 675 | 1994 FX | 1994 04 13.40208 | 13 10 06.79 | -01 06 43.1 | | 2 675 |
| 1994 CD ₉ | * 1994 02 10.34565 | 09 29 39.64 | +52 39 02.4 | 16.5 | 9 675 | 1994 GG | 1994 04 03.28021 | 12 48 43.74 | -01 23 19.4 | 17.2 | 9 675 |
| 1994 CD ₉ | 1994 02 10.38107 | 09 29 35.23 | +52 38 40.2 | | 9 675 | 1994 GG | 1994 04 03.31944 | 12 48 41.87 | -01 22 48.1 | | 9 675 |
| 1994 CD ₉ | 1994 02 13.35555 | 09 23 52.23 | +52 06 27.0 | | 9 675 | 1994 GY | 1994 04 14.37552 | 13 32 02.72 | +01 55 54.0 | 15.0 | 2 675 |
| 1994 CD ₉ | 1994 02 13.39201 | 09 23 47.97 | +52 06 01.1 | | 9 675 | 1994 GY | 1994 04 14.39878 | 13 32 01.85 | +01 54 51.3 | | 2 675 |
| 1994 CD ₉ | 1994 02 15.17204 | 09 20 33.42 | +51 44 26.4 | | 9 675 | 1994 GY | 1994 04 15.31441 | 13 31 41.52 | +01 13 25.3 | | 2 675 |
| 1994 CD ₉ | 1994 02 15.21510 | 09 20 28.62 | +51 43 54.5 | | 9 675 | 1994 GY | 1994 04 15.34358 | 13 31 40.52 | +01 12 04.6 | | 2 675 |
| 1994 DS | 1994 02 15.48594 | 12 08 30.64 | +06 43 12.2 | 18.2 | 9 675 | 1994 GH ₁ | 1994 04 11.47465 | 14 56 36.96 | +04 45 53.2 | 16.0 | 2 675 |
| 1994 DS | 1994 02 15.52708 | 12 08 29.18 | +06 43 25.2 | | 9 675 | 1994 GH ₁ | 1994 04 11.49931 | 14 56 36.38 | +04 46 28.0 | | 2 675 |
| 1994 EC ₁ | 1955 12 18.27569 | 04 55 00.80 | +13 24 15.9 | 16.5 | 6 675 | 1994 GH ₁ | 1994 04 13.39444 | 14 55 50.85 | +05 30 56.1 | | 2 675 |
| 1994 EC ₁ | 1955 12 18.29757 | 04 54 59.41 | +13 24 15.7 | | 6 675 | 1994 GH ₁ | 1994 04 13.42135 | 14 55 50.04 | +05 31 33.8 | | 2 675 |
| 1994 EC ₁ | 1994 02 10.43454 | 11 47 51.28 | +02 30 14.4 | 17.5 | 9 675 | 1994 GP ₁ | * 1994 04 11.47465 | 15 04 43.42 | +02 01 58.9 | 16.0 | 2 675 |
| 1994 EC ₁ | 1994 02 10.47152 | 11 47 50.47 | +02 30 29.2 | | 9 675 | 1994 GP ₁ | 1994 04 11.49931 | 15 04 42.32 | +02 02 30.2 | | 2 675 |
| 1994 EE ₁ | 1984 04 29.27708 | 13 20 16.82 | -03 14 35.7 | 16.8 V | 9 675 | 1994 GP ₁ | 1994 04 13.39444 | 15 03 18.01 | +02 46 34.6 | | 2 675 |
| 1994 EA ₂ | 1994 04 11.21806 | 11 04 46.98 | +06 44 07.9 | | 2 675 | 1994 GP ₁ | 1994 04 13.42135 | 15 03 16.81 | +02 47 10.0 | | 2 675 |
| 1994 EA ₂ | 1994 04 11.24688 | 11 04 47.64 | +06 44 21.0 | | 2 675 | 1994 GQ ₁ | * 1994 04 14.31649 | 12 36 29.36 | +09 52 27.6 | 16.0 | 2 675 |
| 1994 EA ₂ | 1994 04 14.21476 | 11 06 22.54 | +07 05 52.5 | 16.0 | 2 675 | 1994 GQ ₁ | 1994 04 14.34097 | 12 36 28.73 | +09 52 59.3 | | 2 675 |
| 1994 EA ₂ | 1994 04 14.24705 | 11 06 23.59 | +07 06 08.0 | | 2 675 | 1994 GQ ₁ | 1994 04 15.26858 | 12 36 09.44 | +10 12 06.4 | | 2 675 |
| 1994 EL ₃ | 1994 04 03.28021 | 12 42 58.20 | +05 07 40.0 | 16.8 | 9 675 | 1994 GQ ₁ | 1994 04 15.29549 | 12 36 08.81 | +10 12 39.4 | | 2 675 |
| 1994 EL ₃ | 1994 04 03.31944 | 12 42 56.15 | +05 08 03.5 | | 9 675 | 1994 GS ₈ | * 1994 04 11.41545 | 12 59 00.27 | -00 19 47.9 | 17.0 | 2 675 |
| 1994 EP ₃ | 1994 03 14.42396 | 13 09 10.51 | -00 32 15.4 | 16.5 | 9 675 | 1994 GS ₈ | 1994 04 11.44792 | 12 58 58.24 | -00 19 44.1 | | 2 675 |
| 1994 EP ₃ | 1994 03 14.47882 | 13 09 07.65 | -00 32 16.1 | | 9 675 | 1994 GS ₈ | 1994 04 13.37205 | 12 57 04.78 | -00 13 44.3 | | 2 675 |
| 1994 EP ₃ | 1994 04 03.28021 | 12 48 58.16 | -00 45 19.2 | 16.5 | 9 675 | 1994 GS ₈ | 1994 04 13.40208 | 12 57 03.17 | -00 13 40.8 | | 2 675 |
| 1994 EP ₃ | 1994 04 03.31944 | 12 48 55.54 | -00 45 22.0 | | 9 675 | 1994 GT ₈ | * 1994 04 11.41545 | 13 13 28.31 | -00 51 06.3 | 16.0 | 2 675 |
| 1994 EQ ₃ | 1954 12 22.41667 | 08 35 25.52 | +17 40 48.6 | 17.8 | 6 675 | 1994 GT ₈ | 1994 04 11.44792 | 13 13 26.82 | -00 50 32.0 | | 2 675 |
| 1994 EQ ₃ | 1954 12 22.43993 | 08 35 25.03 | +17 40 50.8 | | 6 675 | 1994 GT ₈ | 1994 04 13.37205 | 13 12 04.98 | -00 17 24.8 | | 2 675 |
| 1994 EQ ₃ | 1984 03 29.37569 | 13 41 34.90 | -00 32 49.2 | 15.5 V | 9 675 | 1994 GT ₈ | 1994 04 13.40208 | 13 12 03.60 | -00 16 54.2 | | 2 675 |
| 1994 EQ ₃ | 1984 03 29.39514 | 13 41 34.40 | -00 32 43.9 | | 9 675 | 1994 GU ₈ | * 1994 04 11.41545 | 13 23 37.91 | -02 14 42.2 | 16.0 | 2 675 |
| 1994 EQ ₃ | 1984 03 30.37292 | 13 41 05.37 | -00 27 58.3 | | 9 675 | 1994 GU ₈ | 1994 04 11.44792 | 13 23 36.14 | -02 14 13.5 | | 2 675 |
| 1994 EQ ₃ | 1984 03 30.39236 | 13 41 04.89 | -00 27 52.8 | | 9 675 | 1994 GU ₈ | 1994 04 13.37205 | 13 21 53.22 | -01 47 01.1 | | 2 675 |
| 1994 EQ ₃ | 1984 04 29.27708 | 13 24 18.86 | +01 26 22.5 | 15.2 V | 9 675 | 1994 GU ₈ | 1994 04 13.40208 | 13 21 51.50 | -01 46 34.1 | | 2 675 |
| 1994 EQ ₃ | 1984 04 29.29931 | 13 24 18.13 | +01 26 26.6 | | 9 675 | 1994 GV ₈ | * 1994 04 11.41545 | 13 28 44.35 | -01 58 00.0 | 16.5 | 2 675 |
| 1994 EQ ₃ | 1984 04 30.16181 | 13 23 52.66 | +01 28 09.9 | 15.5 V | 9 675 | 1994 GV ₈ | 1994 04 11.44792 | 13 28 42.84 | -01 57 38.6 | | 2 675 |
| 1994 EQ ₃ | 1984 04 30.18681 | 13 23 51.79 | +01 28 13.7 | | 9 675 | 1994 GV ₈ | 1994 04 13.37205 | 13 27 10.19 | -01 39 55.1 | | 2 675 |
| 1994 EQ ₃ | 1984 05 27.16945 | 13 16 36.09 | +01 19 05.5 | 16.2 V | 9 675 | 1994 GV ₈ | 1994 04 13.40208 | 13 27 08.64 | -01 39 39.0 | | 2 675 |
| 1994 EQ ₃ | 1984 05 27.19514 | 13 16 35.89 | +01 19 00.7 | | 9 675 | 1994 GD ₉ | * 1994 04 14.42708 | 14 36 11.08 | -04 29 05.6 | 16.0 | 2 675 |
| 1994 ER ₃ | 1994 03 14.42396 | 13 12 19.73 | +02 43 40.8 | 16.2 | 9 675 | 1994 GD ₉ | 1994 04 14.44931 | 14 36 09.95 | -04 28 35.9 | | 2 675 |
| 1994 ER ₃ | 1994 03 14.47882 | 13 12 17.69 | +02 44 11.4 | | 9 675 | 1994 GD ₉ | 1994 04 15.37934 | 14 35 27.67 | -04 08 30.3 | | 2 675 |
| 1994 EL ₇ | 1994 04 03.28021 | 12 40 48.29 | -02 12 11.4 | 16.5 | 9 675 | 1994 GD ₉ | 1994 04 15.40764 | 14 35 26.22 | -04 07 51.3 | | 2 675 |
| 1994 EL ₇ | 1994 04 03.31944 | 12 40 46.01 | -02 12 03.6 | | 9 675 | 1994 GH ₉ | * 1994 04 11.34184 | 12 22 34.61 | -07 59 53.6 | 15.5 | 2 675 |
| 1994 EU ₇ | 1994 02 10.43454 | 11 19 18.30 | +03 43 34.0 | 18.8 | 9 675 | 1994 GH ₉ | 1994 04 11.36997 | 12 22 33.67 | -07 59 31.7 | | 2 675 |
| 1994 EU ₇ | 1994 02 10.47152 | 11 19 16.56 | +03 43 26.3 | | 9 675 | 1994 GH ₉ | 1994 04 15.26302 | 12 20 35.57 | -07 10 32.7 | | 2 675 |
| 1994 EV ₇ | * 1994 03 11.31424 | 09 46 18.63 | +18 51 14.7 | 16.0 | 2 675 | 1994 GH ₉ | 1994 04 15.30764 | 12 20 34.00 | -07 09 56.8 | | 2 675 |
| 1994 EV ₇ | 1994 03 11.34045 | 09 46 16.23 | +18 50 54.6 | | 2 675 | 1994 GJ ₉ | * 1994 04 11.34184 | 12 26 20.81 | -09 15 23.0 | 16.5 | 2 675 |
| 1994 EV ₇ | 1994 04 12.15208 | 09 26 01.15 | +12 00 24.8 | 16.5 | 2 675 | 1994 GJ ₉ | 1994 04 11.36997 | 12 26 19.37 | -09 15 10.7 | | 2 675 |
| 1994 EV ₇ | 1994 04 12.17274 | 09 26 00.98 | +12 00 09.5 | | 2 675 | 1994 GJ ₉ | 1994 04 15.26302 | 12 23 10.79 | -08 44 33.3 | | 2 675 |
| 1994 EV ₇ | 1994 04 14.20868 | 09 26 15.31 | +11 34 34.7 | | 2 675 | 1994 GJ ₉ | 1994 04 15.30764 | 12 23 08.58 | -08 44 13.5 | | 2 675 |
| 1994 FF | 1994 03 14.42396 | 13 12 56.96 | +02 42 06.6 | 16.5 | 9 675 | 1994 GK ₉ | * 1994 04 11.34184 | 12 35 19.81 | -10 17 43.3 | 16.0 | 2 675 |
| 1994 FF | 1994 03 14.47882 | 13 12 55.07 | +02 42 35.7 | | 9 675 | 1994 GK ₉ | 1994 04 11.36997 | 12 35 18.39 | -10 17 27.7 | | 2 675 |

| | | | | | | | | | | | |
|----------------------|--------------------|-------------|-------------|------|-------|----------|--------------------|-------------|-------------|------|-------|
| 1994 GK ₉ | 1994 04 15.26302 | 12 32 25.42 | -09 39 08.2 | | 2 675 | 4865 P-L | 1960 10 22.23406 | 00 12 03.34 | -00 14 30.9 | | 4 675 |
| 1994 GK ₉ | 1994 04 15.30764 | 12 32 23.50 | -09 38 41.4 | | 2 675 | 4865 P-L | 1960 10 25.25350 | 00 10 03.43 | -00 22 27.7 | | 4 675 |
| 1994 GN ₉ | * 1994 04 11.46163 | 13 57 33.97 | -00 52 13.1 | 16.5 | 2 675 | 4865 P-L | 1960 10 26.31531 | 00 09 25.02 | -00 24 49.3 | | 4 675 |
| 1994 GN ₉ | 1994 04 11.48663 | 13 57 31.48 | -00 52 18.5 | | 2 675 | 6298 P-L | * 1960 09 24.33613 | 00 07 42.14 | +00 46 58.6 | 19.5 | 4 675 |
| 1994 GN ₉ | 1994 04 13.37778 | 13 54 41.33 | -00 57 58.9 | | 2 675 | 6298 P-L | 1960 09 25.32502 | 00 06 52.76 | +00 40 52.1 | | 4 675 |
| 1994 GN ₉ | 1994 04 13.40764 | 13 54 38.57 | -00 58 04.3 | | 2 675 | 6298 P-L | 1960 09 26.27573 | 00 06 05.24 | +00 34 56.8 | | 4 675 |
| 1994 GO ₉ | * 1994 04 11.46163 | 14 14 05.70 | +01 22 56.0 | 17.0 | 2 675 | 6614 P-L | * 1960 09 24.35002 | 23 53 46.55 | -05 03 38.0 | 18.8 | 4 675 |
| 1994 GO ₉ | 1994 04 11.48663 | 14 14 04.31 | +01 23 05.4 | | 2 675 | 6614 P-L | 1960 09 26.28543 | 23 52 11.99 | -05 14 28.0 | | 4 675 |
| 1994 GO ₉ | 1994 04 13.37778 | 14 12 18.31 | +01 33 17.1 | | 2 675 | 6614 P-L | 1960 09 27.34237 | 23 51 20.80 | -05 20 13.9 | | 4 675 |
| 1994 GO ₉ | 1994 04 13.40764 | 14 12 16.42 | +01 33 27.1 | | 2 675 | 6614 P-L | 1960 09 28.33822 | 23 50 33.05 | -05 25 33.0 | | 4 675 |
| 1994 GP ₉ | * 1994 04 14.41042 | 13 42 57.54 | -13 59 30.9 | 16.0 | 2 675 | 6614 P-L | 1960 10 17.22501 | 23 38 07.39 | -06 40 25.0 | | 4 675 |
| 1994 GP ₉ | 1994 04 14.43264 | 13 42 56.41 | -13 59 15.4 | | 2 675 | 6614 P-L | 1960 10 22.16324 | 23 36 02.91 | -06 50 05.6 | | 4 675 |
| 1994 GP ₉ | 1994 04 15.32014 | 13 42 14.34 | -13 49 06.8 | | 2 675 | 6614 P-L | 1960 10 24.23753 | 23 35 21.26 | -06 52 48.4 | | 4 675 |
| 1994 GP ₉ | 1994 04 15.34913 | 13 42 12.80 | -13 48 47.1 | | 2 675 | 6614 P-L | 1960 10 26.27157 | 23 34 46.78 | -06 54 40.5 | | 4 675 |
| 2099 P-L | 1953 10 01.28507 | 23 23 37.54 | -00 09 31.7 | | 6 675 | 6625 P-L | * 1960 09 24.35002 | 00 00 59.80 | -03 23 02.7 | 18.7 | 4 675 |
| 2099 P-L | 1953 10 01.30833 | 23 23 36.30 | -00 09 43.1 | 18.2 | 6 675 | 6625 P-L | 1960 09 26.28543 | 23 59 18.43 | -03 35 37.0 | | 4 675 |
| 2140 P-L | 1994 04 06.15365 | 07 52 17.22 | +28 45 20.6 | 18.8 | 9 675 | 6625 P-L | 1960 09 27.34237 | 23 58 23.44 | -03 42 20.0 | | 4 675 |
| 2140 P-L | 1994 04 06.17170 | 07 52 17.77 | +28 45 13.8 | | 9 675 | 6625 P-L | 1960 09 28.33822 | 23 57 32.21 | -03 48 33.2 | | 4 675 |
| 2561 P-L | 1994 04 03.28021 | 12 53 52.39 | -01 10 08.8 | 16.8 | 9 675 | 6625 P-L | 1960 10 17.22501 | 23 44 08.62 | -05 19 25.3 | | 4 675 |
| 2561 P-L | 1994 04 03.31944 | 12 53 50.04 | -01 10 07.2 | | 9 675 | 6625 P-L | 1960 10 22.16324 | 23 41 54.80 | -05 32 34.2 | | 4 675 |
| 2645 P-L | 1994 02 15.48594 | 11 53 29.57 | +04 17 45.2 | 18.0 | 9 675 | 6625 P-L | 1960 10 24.23753 | 23 41 10.09 | -05 36 35.1 | | 4 675 |
| 2645 P-L | 1994 02 15.52708 | 11 53 28.28 | +04 17 58.6 | | 9 675 | 6625 P-L | 1960 10 26.27157 | 23 40 33.05 | -05 39 41.1 | | 4 675 |
| 2712 P-L | * 1960 09 24.46184 | 00 51 57.46 | +00 39 18.6 | 19.8 | 4 675 | 6717 P-L | * 1960 09 24.32431 | 00 00 46.43 | -04 18 32.4 | 19.9 | 4 675 |
| 2712 P-L | 1960 09 26.37988 | 00 50 24.37 | +00 28 22.6 | | 4 675 | 6717 P-L | 1960 09 24.35002 | 00 00 44.99 | -04 18 39.9 | | 4 675 |
| 2712 P-L | 1960 09 28.43822 | 00 48 42.41 | +00 16 37.5 | | 4 675 | 6717 P-L | 1960 09 26.26528 | 23 58 59.72 | -04 28 56.8 | | 4 675 |
| 2712 P-L | 1960 10 17.31529 | 00 33 16.25 | -01 20 40.6 | | 4 675 | 6717 P-L | 1960 09 26.28543 | 23 58 58.60 | -04 29 02.9 | | 4 675 |
| 2712 P-L | 1960 10 22.26809 | 00 29 43.99 | -01 40 13.2 | | 4 675 | 6717 P-L | 1960 09 28.31736 | 23 57 08.20 | -04 39 35.2 | | 4 675 |
| 2712 P-L | 1960 10 25.30351 | 00 27 45.56 | -01 50 26.6 | | 4 675 | 6717 P-L | 1960 09 28.33822 | 23 57 07.12 | -04 39 40.9 | | 4 675 |
| 2712 P-L | 1960 10 26.35766 | 00 27 06.81 | -01 53 38.6 | | 4 675 | 6833 P-L | * 1960 09 24.32431 | 23 56 11.20 | -00 04 22.6 | 20.3 | 4 675 |
| 3557 P-L | 1953 10 01.28507 | 23 10 11.60 | +00 41 57.1 | | 6 675 | 6833 P-L | 1960 09 24.35002 | 23 56 10.10 | -00 04 30.2 | | 4 675 |
| 3557 P-L | 1953 10 01.30833 | 23 10 10.42 | +00 41 50.2 | 18.2 | 6 675 | 6833 P-L | 1960 09 26.26528 | 23 54 40.59 | -00 13 12.0 | | 4 675 |
| 4019 P-L | 1955 04 20.21181 | 11 24 54.10 | +00 19 26.6 | 19.0 | 6 675 | 6833 P-L | 1960 09 26.28543 | 23 54 39.59 | -00 13 18.5 | | 4 675 |
| 4019 P-L | 1955 04 20.23716 | 11 24 53.36 | +00 19 33.3 | | 6 675 | 6833 P-L | 1960 09 27.30972 | 23 53 51.97 | -00 17 55.3 | | 4 675 |
| 4099 P-L | * 1960 09 24.37573 | 00 14 36.20 | +06 49 24.4 | 18.0 | 4 675 | 6833 P-L | 1960 09 28.31736 | 23 53 05.47 | -00 22 28.2 | | 4 675 |
| 4099 P-L | 1960 09 25.32502 | 00 13 49.51 | +06 40 56.0 | | 4 675 | 6833 P-L | 1960 09 28.33822 | 23 53 04.55 | -00 22 33.0 | | 4 675 |
| 4099 P-L | 1960 09 26.27573 | 00 13 02.55 | +06 32 18.3 | | 4 675 | 9561 P-L | * 1960 10 22.16324 | 23 42 08.10 | -08 48 28.7 | 18.2 | 4 675 |
| 4099 P-L | 1960 09 28.32780 | 00 11 20.62 | +06 13 25.2 | | 4 675 | 9561 P-L | 1960 10 24.23753 | 23 41 31.05 | -08 51 02.7 | | 4 675 |
| 4099 P-L | 1960 10 17.27085 | 23 57 42.67 | +03 17 59.3 | | 4 675 | 9561 P-L | 1960 10 26.27157 | 23 41 01.23 | -08 52 39.6 | | 4 675 |
| 4099 P-L | 1960 10 22.22293 | 23 55 24.13 | +02 38 07.5 | | 4 675 | 1042 T-1 | 1971 03 24.38924 | 12 00 07.39 | -01 29 05.9 | | 4 675 |
| 4099 P-L | 1960 10 24.35836 | 23 54 37.75 | +02 22 24.4 | | 4 675 | 1042 T-1 | 1971 03 25.27326 | 11 59 27.58 | -01 24 47.5 | | 4 675 |
| 4099 P-L | 1960 10 26.32573 | 23 54 03.13 | +02 08 48.0 | | 4 675 | 1042 T-1 | * 1971 03 25.31562 | 11 59 25.56 | -01 24 35.4 | 18.9 | 4 675 |
| 4269 P-L | * 1960 09 24.37573 | 00 34 04.49 | +08 04 06.8 | 19.2 | 4 675 | 1042 T-1 | 1971 03 26.26771 | 11 58 42.73 | -01 20 00.5 | | 4 675 |
| 4269 P-L | 1960 09 25.42780 | 00 33 19.95 | +07 56 42.1 | | 4 675 | 1042 T-1 | 1971 03 27.31181 | 11 57 55.67 | -01 14 56.3 | | 4 675 |
| 4269 P-L | 1960 09 26.30558 | 00 32 42.83 | +07 50 27.3 | | 4 675 | 1042 T-1 | 1971 03 27.32500 | 11 57 55.01 | -01 14 55.1 | | 4 675 |
| 4269 P-L | 1960 09 28.36808 | 00 31 14.25 | +07 35 33.9 | | 4 675 | 1101 T-1 | 1971 03 24.38924 | 12 06 04.81 | -07 00 08.4 | | 4 675 |
| 4269 P-L | 1960 10 22.22293 | 00 15 25.70 | +04 39 27.2 | | 4 675 | 1101 T-1 | 1971 03 25.27326 | 12 05 19.78 | -06 55 23.7 | | 4 675 |
| 4269 P-L | 1960 10 26.32573 | 00 13 22.85 | +04 12 19.4 | | 4 675 | 1101 T-1 | * 1971 03 25.31562 | 12 05 17.53 | -06 55 09.5 | 18.4 | 4 675 |
| 4865 P-L | * 1960 09 24.41183 | 00 38 22.28 | +01 55 26.1 | 19.1 | 4 675 | 1101 T-1 | 1971 03 26.26771 | 12 04 29.07 | -06 50 01.4 | | 4 675 |
| 4865 P-L | 1960 09 26.31530 | 00 36 26.11 | +01 45 05.2 | | 4 675 | 1101 T-1 | 1971 03 27.32500 | 12 03 35.38 | -06 44 18.7 | | 4 675 |
| 4865 P-L | 1960 09 27.40836 | 00 35 18.42 | +01 39 08.0 | | 4 675 | 1101 T-1 | 1971 04 02.40000 | 11 58 34.85 | -06 10 30.6 | | 4 675 |
| 4865 P-L | 1960 09 28.39725 | 00 34 16.99 | +01 33 42.5 | | 4 675 | 1167 T-1 | 1971 03 24.38924 | 12 11 42.48 | -02 16 51.6 | | 4 675 |
| 4865 P-L | 1960 10 17.31529 | 00 15 50.47 | +00 01 56.4 | | 4 675 | 1167 T-1 | 1971 03 25.27326 | 12 10 58.90 | -02 14 16.6 | | 4 675 |

| | | | | | | | | | | |
|----------|--------------------|-------------|-------------|------|-------|----------|--------------------|-------------|-------------|------------|
| 1167 T-1 | * 1971 03 25.31562 | 12 10 56.75 | -02 14 08.5 | 19.1 | 4 675 | 3308 T-1 | 1971 03 27.33854 | 12 40 50.76 | -03 36 26.8 | 4 675 |
| 1167 T-1 | 1971 03 26.26771 | 12 10 10.15 | -02 11 23.9 | | 4 675 | 3308 T-1 | 1971 04 02.42604 | 12 36 18.62 | -03 04 38.6 | 4 675 |
| 1167 T-1 | 1971 03 27.32500 | 12 09 18.17 | -02 08 18.7 | | 4 675 | 3308 T-1 | 1971 04 16.22812 | 12 26 28.88 | -01 56 04.6 | 4 675 |
| 1167 T-1 | 1971 04 02.40000 | 12 04 26.09 | -01 50 58.7 | | 4 675 | 3308 T-1 | 1971 04 16.30139 | 12 26 25.88 | -01 55 45.1 | 4 675 |
| 1280 T-1 | 1993 03 24.21649 | 10 12 45.29 | +04 51 26.1 | 17.5 | 9 675 | 4303 T-1 | 1971 03 24.40486 | 12 40 07.19 | +03 32 26.7 | 4 675 |
| 1280 T-1 | 1993 03 24.25521 | 10 12 44.15 | +04 51 40.0 | | 9 675 | 4303 T-1 | 1971 03 26.31007 | 12 38 26.00 | +03 46 18.6 | 4 675 |
| 1293 T-1 | 1953 10 01.28507 | 23 24 19.36 | -01 46 12.2 | | 6 675 | 4303 T-1 | * 1971 03 26.34896 | 12 38 23.76 | +03 46 35.5 | 19.2 4 675 |
| 1293 T-1 | 1953 10 01.30833 | 23 24 18.07 | -01 46 15.9 | 17.8 | 6 675 | 4303 T-1 | 1971 03 27.35208 | 12 37 29.74 | +03 53 47.0 | 4 675 |
| 2053 T-1 | 1971 03 24.37118 | 12 00 58.96 | -01 07 31.7 | | 4 675 | 4333 T-1 | 1971 03 24.40486 | 12 41 39.82 | -00 00 29.9 | 4 675 |
| 2053 T-1 | 1971 03 24.38924 | 12 00 58.08 | -01 07 25.2 | 19.0 | 4 675 | 4333 T-1 | 1971 03 26.31007 | 12 40 16.04 | +00 09 06.0 | 4 675 |
| 2053 T-1 | 1971 03 25.24340 | 12 00 20.72 | -01 02 56.7 | | 4 675 | 4333 T-1 | * 1971 03 26.34896 | 12 40 14.25 | +00 09 17.5 | 19.5 4 675 |
| 2053 T-1 | * 1971 03 25.28715 | 12 00 18.75 | -01 02 43.3 | 18.5 | 4 675 | 4333 T-1 | 1971 03 27.35208 | 12 39 29.58 | +00 14 19.4 | 4 675 |
| 2053 T-1 | 1971 03 26.25208 | 11 59 36.71 | -00 57 42.8 | | 4 675 | 4333 T-1 | 1971 04 02.43993 | 12 34 56.10 | +00 44 17.9 | 4 675 |
| 2053 T-1 | 1971 03 27.31181 | 11 58 50.61 | -00 52 11.8 | | 4 675 | 4333 T-1 | 1971 04 16.21476 | 12 25 15.31 | +01 42 04.7 | 4 675 |
| 2079 T-1 | 1971 03 24.37118 | 12 03 27.81 | -00 19 17.8 | | 4 675 | 4333 T-1 | 1971 04 16.27708 | 12 25 12.89 | +01 42 16.1 | 4 675 |
| 2079 T-1 | 1971 03 25.24340 | 12 02 44.52 | -00 13 42.1 | | 4 675 | 1042 T-2 | 1973 09 19.18611 | 00 08 41.04 | +03 01 51.2 | 4 675 |
| 2079 T-1 | * 1971 03 25.28715 | 12 02 42.19 | -00 13 26.0 | 19.8 | 4 675 | 1042 T-2 | 1973 09 19.23785 | 00 08 38.53 | +03 01 32.5 | 4 675 |
| 2079 T-1 | 1971 03 26.25208 | 12 01 54.38 | -00 07 19.6 | | 4 675 | 1042 T-2 | 1973 09 20.22847 | 00 07 51.12 | +02 55 34.8 | 4 675 |
| 2079 T-1 | 1971 03 27.31181 | 12 01 02.08 | -00 00 38.1 | | 4 675 | 1042 T-2 | 1973 09 24.34688 | 00 04 31.93 | +02 30 24.5 | 4 675 |
| 2108 T-1 | 1971 03 25.24340 | 12 04 55.18 | +04 39 02.9 | | 4 675 | 1042 T-2 | 1973 09 24.41597 | 00 04 28.48 | +02 29 57.7 | 4 675 |
| 2108 T-1 | * 1971 03 25.28715 | 12 04 53.11 | +04 39 31.7 | 19.7 | 4 675 | 1042 T-2 | 1973 09 25.30729 | 00 03 45.32 | +02 24 27.4 | 4 675 |
| 2108 T-1 | 1971 03 26.25208 | 12 04 08.20 | +04 50 36.4 | | 4 675 | 1042 T-2 | * 1973 09 29.25330 | 00 00 36.32 | +01 59 54.8 | 18.3 4 675 |
| 2108 T-1 | 1971 03 27.31181 | 12 03 18.66 | +05 02 42.2 | | 4 675 | 1042 T-2 | 1973 09 29.31806 | 00 00 33.09 | +01 59 30.6 | 4 675 |
| 2202 T-1 | 1971 03 24.37118 | 12 13 19.97 | +02 04 52.5 | | 4 675 | 1042 T-2 | 1973 09 30.21007 | 23 59 51.19 | +01 53 59.7 | 4 675 |
| 2202 T-1 | 1971 03 25.24340 | 12 12 42.70 | +02 11 13.7 | | 4 675 | 1042 T-2 | 1973 09 30.27431 | 23 59 48.01 | +01 53 37.0 | 4 675 |
| 2202 T-1 | * 1971 03 25.28715 | 12 12 40.69 | +02 11 31.8 | 17.7 | 4 675 | 1042 T-2 | 1973 10 04.28958 | 23 56 44.24 | +01 29 07.5 | 4 675 |
| 2202 T-1 | 1971 03 26.25208 | 12 11 59.16 | +02 18 29.4 | | 4 675 | 1042 T-2 | 1973 10 04.35208 | 23 56 41.38 | +01 28 44.7 | 4 675 |
| 2202 T-1 | 1971 03 27.31181 | 12 11 13.22 | +02 26 02.9 | | 4 675 | 1042 T-2 | 1973 10 05.31684 | 23 55 58.94 | +01 23 03.2 | 4 675 |
| 2202 T-1 | 1971 04 02.41285 | 12 06 52.73 | +03 08 23.0 | | 4 675 | 1042 T-2 | 1973 10 05.37917 | 23 55 55.98 | +01 22 42.4 | 4 675 |
| 2202 T-1 | 1971 04 16.16458 | 11 58 32.94 | +04 27 20.2 | | 4 675 | 1153 T-2 | 1973 09 19.18611 | 00 16 12.76 | +01 13 00.2 | 4 675 |
| 2202 T-1 | 1971 04 16.25069 | 11 58 30.16 | +04 27 45.0 | | 4 675 | 1153 T-2 | 1973 09 19.23785 | 00 16 10.61 | +01 12 44.2 | 4 675 |
| 2202 T-1 | 1971 05 13.17535 | 11 54 47.74 | +05 12 22.5 | 18.0 | 4 675 | 1153 T-2 | 1973 09 20.22847 | 00 15 29.19 | +01 07 59.0 | 4 675 |
| 2202 T-1 | 1971 05 14.20694 | 11 55 03.50 | +05 10 51.1 | | 4 675 | 1153 T-2 | 1973 09 24.34688 | 00 12 34.63 | +00 47 54.3 | 4 675 |
| 2202 T-1 | 1971 05 16.31510 | 11 55 41.29 | +05 07 05.6 | 18.5 | 4 675 | 1153 T-2 | 1973 09 24.41597 | 00 12 31.63 | +00 47 33.6 | 4 675 |
| 2258 T-1 | 1994 02 15.48594 | 12 07 18.65 | +07 06 52.7 | 19.0 | 9 675 | 1153 T-2 | 1973 09 25.30729 | 00 11 53.76 | +00 43 11.9 | 4 675 |
| 3077 T-1 | 1971 03 24.42015 | 12 25 36.38 | -02 26 02.4 | | 4 675 | 1153 T-2 | * 1973 09 29.25330 | 00 09 05.73 | +00 23 55.5 | 18.8 4 675 |
| 3077 T-1 | 1971 03 25.33090 | 12 24 55.78 | -02 21 54.6 | | 4 675 | 1153 T-2 | 1973 09 29.31806 | 00 09 02.87 | +00 23 38.1 | 4 675 |
| 3077 T-1 | 1971 03 26.29653 | 12 24 12.76 | -02 17 30.1 | | 4 675 | 1153 T-2 | 1973 09 30.21007 | 00 08 25.23 | +00 19 19.3 | 4 675 |
| 3077 T-1 | * 1971 03 26.33611 | 12 24 10.88 | -02 17 21.4 | 18.1 | 4 675 | 1153 T-2 | 1973 09 30.27431 | 00 08 22.36 | +00 19 01.3 | 4 675 |
| 3077 T-1 | 1971 03 27.33854 | 12 23 25.87 | -02 12 45.0 | | 4 675 | 1153 T-2 | 1973 10 04.28958 | 00 05 34.48 | -00 00 11.9 | 4 675 |
| 3077 T-1 | 1971 03 27.35208 | 12 23 25.42 | -02 12 43.3 | | 4 675 | 1153 T-2 | 1973 10 04.35208 | 00 05 31.88 | -00 00 28.7 | 4 675 |
| 3077 T-1 | 1971 04 02.40000 | 12 18 55.87 | -01 45 19.1 | | 4 675 | 1153 T-2 | 1973 10 05.31684 | 00 04 52.30 | -00 04 59.5 | 4 675 |
| 3077 T-1 | 1971 04 16.16458 | 12 09 42.54 | -00 49 31.3 | | 4 675 | 1153 T-2 | 1973 10 05.37917 | 00 04 49.65 | -00 05 17.0 | 4 675 |
| 3077 T-1 | 1971 04 16.18087 | 12 09 41.72 | -00 49 24.4 | | 4 675 | 2319 T-2 | 1994 02 14.35104 | 08 28 07.29 | +15 18 15.9 | 19.0 9 675 |
| 3077 T-1 | 1971 04 16.25069 | 12 09 39.32 | -00 49 11.8 | | 4 675 | 2319 T-2 | 1994 02 14.38923 | 08 28 05.06 | +15 18 25.9 | 9 675 |
| 3077 T-1 | 1971 04 16.26458 | 12 09 38.58 | -00 49 06.4 | | 4 675 | 2322 T-2 | 1973 09 29.26632 | 00 47 36.37 | +02 08 38.6 | 4 675 |
| 3077 T-1 | 1971 05 13.18941 | 12 00 47.36 | +00 00 36.2 | | 4 675 | 2322 T-2 | * 1973 09 29.33073 | 00 47 33.45 | +02 08 16.7 | 19.3 4 675 |
| 3077 T-1 | 1971 05 14.21962 | 12 00 45.44 | +00 00 32.0 | | 4 675 | 2322 T-2 | 1973 09 30.22257 | 00 46 52.77 | +02 03 32.8 | 4 675 |
| 3308 T-1 | 1971 03 24.42015 | 12 42 58.75 | -03 51 30.4 | | 4 675 | 2322 T-2 | 1973 09 30.28785 | 00 46 49.67 | +02 03 13.6 | 4 675 |
| 3308 T-1 | 1971 03 25.33090 | 12 42 19.21 | -03 46 49.4 | | 4 675 | 2322 T-2 | 1973 10 04.30208 | 00 43 45.78 | +01 42 04.3 | 4 675 |
| 3308 T-1 | 1971 03 26.29653 | 12 41 36.63 | -03 41 49.9 | | 4 675 | 2322 T-2 | 1973 10 04.36476 | 00 43 42.91 | +01 41 45.3 | 4 675 |
| 3308 T-1 | * 1971 03 26.33611 | 12 41 34.84 | -03 41 37.2 | 19.5 | 4 675 | 2322 T-2 | 1973 10 05.32917 | 00 42 58.89 | +01 36 45.5 | 4 675 |

| | | | | | | | | | | |
|----------|--------------------|-------------|-------------|-------|----------|--------------------|-------------|-------------|--------|-------|
| 2322 T-2 | 1973 10 05.39132 | 00 42 56.01 | +01 36 25.0 | 4 675 | 4092 T-3 | 1984 03 29.37569 | 13 56 09.15 | -03 56 45.2 | 16.8 V | 9 675 |
| 3146 T-2 | 1973 09 19.21250 | 00 19 02.97 | -04 57 19.3 | 4 675 | 4092 T-3 | 1984 03 29.39514 | 13 56 08.32 | -03 56 34.0 | | 9 675 |
| 3146 T-2 | 1973 09 19.26354 | 00 19 00.18 | -04 57 38.0 | 4 675 | 4092 T-3 | 1984 03 30.37292 | 13 55 34.14 | -03 46 04.7 | | 9 675 |
| 3146 T-2 | 1973 09 20.27795 | 00 18 06.21 | -05 04 32.0 | 4 675 | 4092 T-3 | 1984 03 30.39236 | 13 55 33.28 | -03 45 53.2 | | 9 675 |
| 3146 T-2 | 1973 09 24.37431 | 00 14 23.66 | -05 31 49.6 | 4 675 | 4304 T-3 | 1977 10 11.30000 | 01 35 47.41 | +02 28 13.6 | | 4 675 |
| 3146 T-2 | 1973 09 24.44167 | 00 14 19.84 | -05 32 16.4 | 4 675 | 4304 T-3 | 1977 10 11.36771 | 01 35 43.93 | +02 27 52.7 | | 4 675 |
| 3146 T-2 | 1973 09 25.26875 | 00 13 35.03 | -05 37 37.3 | 4 675 | 4304 T-3 | 1977 10 12.29826 | 01 34 57.54 | +02 22 56.7 | | 4 675 |
| 3146 T-2 | 1973 09 25.33299 | 00 13 31.29 | -05 38 04.8 | 4 675 | 4304 T-3 | 1977 10 12.36441 | 01 34 54.11 | +02 22 34.3 | | 4 675 |
| 3146 T-2 | 1973 09 29.27986 | 00 09 54.58 | -06 02 37.4 | 4 675 | 4304 T-3 | * 1977 10 16.28368 | 01 31 36.92 | +02 02 14.9 | 18.8 | 4 675 |
| 3146 T-2 | 1973 09 29.34375 | 00 09 50.84 | -06 03 02.2 | 4 675 | 4304 T-3 | 1977 10 16.34931 | 01 31 33.50 | +02 01 55.6 | | 4 675 |
| 3146 T-2 | 1973 09 30.23524 | 00 09 02.51 | -06 08 20.7 | 4 675 | 4304 T-3 | 1977 10 17.28628 | 01 30 46.29 | +01 57 12.0 | | 4 675 |
| 3146 T-2 | * 1973 09 30.30174 | 00 08 58.77 | -06 08 42.6 | 19.7 | 4 675 | 1977 10 17.35313 | 01 30 42.66 | +01 56 51.3 | | 4 675 |
| 3146 T-2 | 1973 10 04.31493 | 00 05 24.37 | -06 31 04.1 | 4 675 | 4304 T-3 | 1977 10 21.38698 | 01 27 19.77 | +01 37 23.4 | | 4 675 |
| 3146 T-2 | 1973 10 04.37674 | 00 05 20.94 | -06 31 25.6 | 4 675 | 4304 T-3 | 1977 10 21.44705 | 01 27 16.76 | +01 37 05.8 | | 4 675 |
| 3146 T-2 | 1973 10 05.34167 | 00 04 31.00 | -06 36 21.5 | 4 675 | 4304 T-3 | 1977 10 22.38542 | 01 26 30.21 | +01 32 46.0 | | 4 675 |
| 3146 T-2 | 1973 10 05.40347 | 00 04 27.61 | -06 36 44.8 | 4 675 | 4304 T-3 | 1977 10 22.44878 | 01 26 26.99 | +01 32 32.5 | | 4 675 |
| 3155 T-2 | 1973 09 19.21250 | 00 17 44.62 | -04 36 04.7 | 4 675 | (14) | 1984 05 27.16945 | 13 23 55.98 | +02 48 59.2 | | 9 675 |
| 3155 T-2 | 1973 09 19.26354 | 00 17 42.60 | -04 36 22.8 | 4 675 | (14) | 1984 05 27.19514 | 13 23 55.77 | +02 48 48.4 | | 9 675 |
| 3155 T-2 | 1973 09 20.27795 | 00 17 01.03 | -04 42 23.2 | 4 675 | (52) | 1994 02 11.22638 | 08 27 53.39 | +19 23 56.6 | | 9 675 |
| 3155 T-2 | 1973 09 24.37431 | 00 14 10.53 | -05 06 20.7 | 4 675 | (52) | 1994 02 11.27482 | 08 27 51.19 | +19 24 11.5 | | 9 675 |
| 3155 T-2 | 1973 09 24.44167 | 00 14 07.61 | -05 06 43.5 | 4 675 | (52) | 1994 02 14.35104 | 08 25 41.39 | +19 39 35.4 | | 9 675 |
| 3155 T-2 | 1973 09 25.26875 | 00 13 33.36 | -05 11 29.6 | 4 675 | (52) | 1994 02 14.38923 | 08 25 39.79 | +19 39 46.2 | | 9 675 |
| 3155 T-2 | 1973 09 25.33299 | 00 13 30.57 | -05 11 51.8 | 4 675 | (79) | 1955 12 18.29757 | 04 46 41.96 | +15 24 15.9 | | 6 675 |
| 3155 T-2 | 1973 09 29.27986 | 00 10 45.01 | -05 34 00.3 | 4 675 | (86) | 1994 03 14.42396 | 13 20 11.22 | -01 49 44.9 | | 9 675 |
| 3155 T-2 | 1973 09 29.34375 | 00 10 42.35 | -05 34 21.1 | 4 675 | (86) | 1994 03 14.47882 | 13 20 09.30 | -01 49 31.5 | | 9 675 |
| 3155 T-2 | 1973 09 30.23524 | 00 10 05.25 | -05 39 14.6 | 4 675 | (87) | 1994 04 05.24896 | 07 53 56.72 | +30 55 19.3 | | 9 675 |
| 3155 T-2 | * 1973 09 30.30174 | 00 10 02.42 | -05 39 36.7 | 18.9 | 4 675 | 1994 04 05.26736 | 07 53 56.98 | +30 55 15.5 | | 9 675 |
| 3155 T-2 | 1973 10 04.31493 | 00 07 16.89 | -06 00 41.2 | 4 675 | (87) | 1994 04 06.15365 | 07 54 17.96 | +30 52 55.7 | | 9 675 |
| 3155 T-2 | 1973 10 04.37674 | 00 07 14.32 | -06 00 59.3 | 4 675 | (87) | 1994 04 06.17170 | 07 54 18.37 | +30 52 53.2 | | 9 675 |
| 3155 T-2 | 1973 10 05.34167 | 00 06 35.48 | -06 05 53.3 | 4 675 | (115) | 1994 02 11.22638 | 08 34 55.39 | +17 10 40.0 | | 9 675 |
| 3155 T-2 | 1973 10 05.40347 | 00 06 32.91 | -06 06 09.9 | 4 675 | (115) | 1994 02 11.27482 | 08 34 52.19 | +17 10 34.8 | | 9 675 |
| 3297 T-2 | 1994 02 15.48594 | 11 57 58.17 | +07 21 47.1 | 18.0 | 9 675 | 1994 02 14.35104 | 08 31 42.10 | +17 04 19.5 | | 9 675 |
| 3297 T-2 | 1994 02 15.52708 | 11 57 56.97 | +07 21 55.8 | 9 675 | (115) | 1994 02 14.38923 | 08 31 39.76 | +17 04 14.7 | | 9 675 |
| 4234 T-2 | 1994 03 14.42396 | 13 18 06.29 | -05 48 04.4 | 17.5 | 9 675 | 1994 02 11.22638 | 08 14 06.33 | +15 53 36.9 | | 9 675 |
| 4234 T-2 | 1994 03 14.47882 | 13 18 04.41 | -05 47 56.4 | 9 675 | (124) | 1994 02 11.27482 | 08 14 03.83 | +15 53 47.9 | | 9 675 |
| 2134 T-3 | 1977 10 07.25868 | 01 05 06.14 | +14 46 14.5 | 4 675 | (124) | 1994 02 14.35104 | 08 11 37.66 | +16 05 13.8 | | 9 675 |
| 2134 T-3 | 1977 10 11.27743 | 01 01 18.22 | +14 35 51.1 | 4 675 | (124) | 1994 02 14.38923 | 08 11 35.87 | +16 05 22.3 | | 9 675 |
| 2134 T-3 | 1977 10 11.34375 | 01 01 14.39 | +14 35 41.4 | 4 675 | (128) | 1984 03 29.37569 | 14 00 01.95 | -04 27 40.3 | | 9 675 |
| 2134 T-3 | 1977 10 12.27587 | 01 00 21.33 | +14 32 59.8 | 4 675 | (128) | 1984 03 29.39514 | 14 00 01.15 | -04 27 35.4 | | 9 675 |
| 2134 T-3 | 1977 10 12.34271 | 01 00 17.40 | +14 32 47.7 | 4 675 | (128) | 1984 03 30.37292 | 13 59 19.71 | -04 23 39.2 | | 9 675 |
| 2134 T-3 | * 1977 10 16.26233 | 00 56 34.90 | +14 20 35.6 | 18.3 | 4 675 | 1984 03 30.39236 | 13 59 18.86 | -04 23 34.8 | | 9 675 |
| 2134 T-3 | 1977 10 16.32795 | 00 56 31.07 | +14 20 22.5 | 4 675 | (128) | 1984 04 29.31875 | 13 35 04.67 | -02 32 38.9 | | 9 675 |
| 2134 T-3 | 1977 10 17.26458 | 00 55 38.51 | +14 17 17.8 | 4 675 | (128) | 1984 04 29.33819 | 13 35 03.72 | -02 32 35.0 | | 9 675 |
| 2134 T-3 | 1977 10 17.33177 | 00 55 34.59 | +14 17 04.4 | 4 675 | (131) | 1994 03 14.42396 | 13 14 18.30 | -00 05 54.0 | | 9 675 |
| 2134 T-3 | 1977 10 21.40868 | 00 51 50.53 | +14 02 56.1 | 4 675 | (131) | 1994 03 14.47882 | 13 14 16.05 | -00 05 39.2 | | 9 675 |
| 2134 T-3 | 1977 10 21.46910 | 00 51 47.31 | +14 02 44.2 | 4 675 | (131) | 1994 04 03.28021 | 12 57 45.91 | +01 25 30.4 | | 9 675 |
| 2134 T-3 | 1977 10 22.41528 | 00 50 56.67 | +13 59 22.7 | 4 675 | (131) | 1994 04 03.31944 | 12 57 43.62 | +01 25 40.4 | | 9 675 |
| 2134 T-3 | 1977 10 22.46962 | 00 50 53.63 | +13 59 10.8 | 4 675 | (137) | 1994 02 13.31944 | 08 49 50.02 | +00 40 48.4 | | 9 675 |
| 2390 T-3 | 1994 02 15.48594 | 11 54 51.37 | +07 32 33.3 | 17.8 | 9 675 | 1994 02 13.36493 | 08 49 48.06 | +00 41 01.7 | | 9 675 |
| 2390 T-3 | 1994 02 15.52708 | 11 54 49.79 | +07 32 39.7 | 9 675 | (137) | 1994 02 15.24427 | 08 48 30.15 | +00 50 15.7 | | 9 675 |
| 4045 T-3 | 1994 02 15.48594 | 11 46 59.61 | +09 02 52.7 | 18.0 | 9 675 | 1994 02 15.27708 | 08 48 28.78 | +00 50 25.3 | | 9 675 |
| 4045 T-3 | 1994 02 15.52708 | 11 46 58.39 | +09 03 13.5 | 9 675 | (177) | 1994 02 12.32326 | 09 25 33.64 | +16 10 31.6 | | 9 675 |

| | | | | | | | | | |
|-------|------------------|-------------|-------------|-------|-------|------------------|-------------|-------------|-------|
| (177) | 1994 02 12.36094 | 09 25 31.48 | +16 10 40.7 | 9 675 | (635) | 1984 03 30.39236 | 13 41 08.75 | -05 36 17.1 | 9 675 |
| (177) | 1994 02 15.31267 | 09 22 49.29 | +16 21 58.4 | 9 675 | (635) | 1984 04 29.27708 | 13 21 17.94 | -02 27 17.9 | 9 675 |
| (177) | 1994 02 15.34861 | 09 22 47.28 | +16 22 06.1 | 9 675 | (635) | 1984 04 29.29931 | 13 21 17.10 | -02 27 10.8 | 9 675 |
| (199) | 1955 01 15.15243 | 03 05 41.42 | +08 08 06.8 | 6 675 | (646) | 1953 11 30.10035 | 22 52 39.16 | +01 52 01.4 | 6 675 |
| (199) | 1955 01 15.17569 | 03 05 41.39 | +08 08 12.1 | 6 675 | (646) | 1953 11 30.12431 | 22 52 41.27 | +01 52 11.5 | 6 675 |
| (201) | 1955 01 15.15243 | 02 49 26.67 | +08 55 21.1 | 6 675 | (691) | 1994 04 04.14947 | 08 24 28.50 | +31 26 30.2 | 9 675 |
| (201) | 1955 01 15.17569 | 02 49 27.34 | +08 55 27.8 | 6 675 | (691) | 1994 04 04.19756 | 08 24 29.47 | +31 26 18.9 | 9 675 |
| (245) | 1994 04 04.14947 | 08 29 08.91 | +25 11 16.9 | 9 675 | (691) | 1994 04 05.24896 | 08 24 52.71 | +31 23 03.4 | 9 675 |
| (245) | 1994 04 04.19756 | 08 29 09.65 | +25 11 09.5 | 9 675 | (691) | 1994 04 05.26736 | 08 24 53.21 | +31 22 59.5 | 9 675 |
| (245) | 1994 04 04.28090 | 08 29 11.00 | +25 10 56.2 | 9 675 | (691) | 1994 04 06.15365 | 08 25 14.20 | +31 20 13.0 | 9 675 |
| (275) | 1994 02 10.43454 | 11 37 09.49 | +06 06 40.1 | 9 675 | (691) | 1994 04 06.17170 | 08 25 14.63 | +31 20 10.5 | 9 675 |
| (275) | 1994 02 10.47152 | 11 37 08.61 | +06 06 53.4 | 9 675 | (708) | 1955 04 20.21181 | 11 27 59.82 | +02 23 58.8 | 6 675 |
| (340) | 1994 04 04.14947 | 08 02 59.11 | +25 43 18.8 | 9 675 | (708) | 1955 04 20.23716 | 11 27 59.15 | +02 24 00.8 | 6 675 |
| (340) | 1994 04 04.19756 | 08 03 01.02 | +25 43 06.3 | 9 675 | (708) | 1994 02 12.32326 | 09 33 53.07 | +17 52 15.0 | 9 675 |
| (340) | 1994 04 05.24896 | 08 03 44.15 | +25 38 34.8 | 9 675 | (708) | 1994 02 12.36094 | 09 33 50.80 | +17 52 22.7 | 9 675 |
| (340) | 1994 04 05.26736 | 08 03 44.88 | +25 38 29.5 | 9 675 | (708) | 1994 02 15.31267 | 09 30 59.83 | +18 01 50.5 | 9 675 |
| (340) | 1994 04 06.15365 | 08 04 22.60 | +25 34 39.1 | 9 675 | (708) | 1994 02 15.34861 | 09 30 57.72 | +18 01 57.4 | 9 675 |
| (340) | 1994 04 06.17170 | 08 04 23.39 | +25 34 33.7 | 9 675 | (737) | 1994 04 03.28021 | 12 52 30.97 | -02 40 56.1 | 9 675 |
| (356) | 1994 02 10.43454 | 11 47 45.83 | +04 12 32.8 | 9 675 | (737) | 1994 04 03.31944 | 12 52 28.97 | -02 40 34.4 | 9 675 |
| (356) | 1994 02 10.47152 | 11 47 44.39 | +04 12 36.7 | 9 675 | (752) | 1994 03 14.42396 | 13 27 56.15 | +00 52 20.8 | 9 675 |
| (367) | 1954 11 23.38472 | 06 08 18.12 | +22 53 36.0 | 6 675 | (752) | 1994 03 14.47882 | 13 27 54.00 | +00 52 38.0 | 9 675 |
| (367) | 1954 11 23.40868 | 06 08 17.16 | +22 53 39.6 | 6 675 | (753) | 1984 04 30.16181 | 13 05 01.73 | +05 13 56.3 | 9 675 |
| (383) | 1994 02 12.32326 | 09 34 24.45 | +17 30 28.2 | 9 675 | (753) | 1984 04 30.18681 | 13 05 00.37 | +05 13 50.9 | 9 675 |
| (383) | 1994 02 12.36094 | 09 34 22.53 | +17 30 38.3 | 9 675 | (806) | 1984 03 29.37569 | 13 43 00.80 | -00 36 53.5 | 9 675 |
| (383) | 1994 02 15.31267 | 09 31 57.48 | +17 43 25.4 | 9 675 | (806) | 1984 03 29.39514 | 13 42 59.85 | -00 36 51.1 | 9 675 |
| (383) | 1994 02 15.34861 | 09 31 55.72 | +17 43 35.0 | 9 675 | (806) | 1984 03 30.37292 | 13 42 14.73 | -00 35 12.8 | 9 675 |
| (408) | 1993 03 24.21649 | 10 03 48.72 | +02 59 39.6 | 9 675 | (806) | 1984 03 30.39236 | 13 42 13.87 | -00 35 10.9 | 9 675 |
| (408) | 1993 03 24.25521 | 10 03 47.52 | +02 59 46.3 | 9 675 | (806) | 1984 04 29.27708 | 13 17 46.66 | -00 11 40.3 | 9 675 |
| (414) | 1954 12 22.41667 | 08 33 43.85 | +19 32 32.5 | 6 675 | (806) | 1984 04 29.29931 | 13 17 45.66 | -00 11 40.9 | 9 675 |
| (414) | 1954 12 22.43993 | 08 33 43.28 | +19 32 36.1 | 6 675 | (819) | 1994 02 11.22638 | 08 26 30.79 | +22 20 56.6 | 9 675 |
| (447) | 1994 04 04.14947 | 08 24 32.70 | +24 44 07.3 | 9 675 | (819) | 1994 02 11.27482 | 08 26 27.53 | +22 20 59.9 | 9 675 |
| (447) | 1994 04 04.19756 | 08 24 33.59 | +24 44 00.3 | 9 675 | (819) | 1994 02 14.35104 | 08 23 13.12 | +22 24 20.7 | 9 675 |
| (447) | 1994 04 04.28090 | 08 24 35.17 | +24 43 48.0 | 9 675 | (819) | 1994 02 14.38923 | 08 23 10.68 | +22 24 22.8 | 9 675 |
| (510) | 1955 12 18.27569 | 05 08 03.04 | +11 08 14.5 | 6 675 | (831) | 1984 04 29.31875 | 13 34 10.10 | -05 22 09.3 | 9 675 |
| (510) | 1955 12 18.29757 | 05 08 02.06 | +11 08 16.6 | 6 675 | (831) | 1984 04 29.33819 | 13 34 08.84 | -05 22 03.4 | 9 675 |
| (515) | 1994 02 15.48594 | 11 54 05.39 | +02 50 48.7 | 9 675 | (847) | 1955 04 20.21181 | 11 29 25.22 | -00 29 27.4 | 6 675 |
| (515) | 1994 02 15.52708 | 11 54 04.04 | +02 50 58.7 | 9 675 | (847) | 1955 04 20.23716 | 11 29 24.44 | -00 29 23.0 | 6 675 |
| (523) | 1953 11 30.10035 | 23 03 40.82 | -00 53 29.3 | 6 675 | (853) | 1993 01 24.43733 | 10 01 25.88 | +01 11 21.9 | 9 675 |
| (523) | 1953 11 30.12431 | 23 03 41.74 | -00 53 26.0 | 6 675 | (853) | 1993 01 24.47278 | 10 01 24.47 | +01 11 30.5 | 9 675 |
| (589) | 1984 04 29.27708 | 12 59 31.73 | +00 03 41.4 | 9 675 | (866) | 1954 11 23.38472 | 06 07 23.59 | +21 18 50.9 | 6 675 |
| (589) | 1984 04 29.29931 | 12 59 31.00 | +00 03 48.2 | 9 675 | (866) | 1954 11 23.40868 | 06 07 22.64 | +21 18 54.4 | 6 675 |
| (617) | 1984 04 29.31875 | 13 54 42.71 | -04 25 09.2 | 9 675 | (876) | 1984 04 30.16181 | 13 29 58.56 | +04 29 59.3 | 9 675 |
| (617) | 1984 04 29.33819 | 13 54 42.10 | -04 25 09.0 | 9 675 | (876) | 1984 04 30.18681 | 13 29 57.54 | +04 30 05.4 | 9 675 |
| (622) | 1994 02 15.48594 | 11 43 20.21 | +07 03 01.2 | 9 675 | (876) | 1984 05 27.16945 | 13 17 14.46 | +05 16 59.4 | 9 675 |
| (622) | 1994 02 15.52708 | 11 43 18.49 | +07 03 21.8 | 9 675 | (876) | 1984 05 27.19514 | 13 17 14.21 | +05 16 59.3 | 9 675 |
| (624) | 1955 04 20.21181 | 11 19 25.61 | -02 26 41.2 | 6 675 | (876) | 1994 02 15.48594 | 12 02 36.34 | +04 58 40.2 | 9 675 |
| (624) | 1955 04 20.23716 | 11 19 25.12 | -02 26 40.5 | 6 675 | (876) | 1994 02 15.52708 | 12 02 35.28 | +04 58 55.7 | 9 675 |
| (626) | 1994 02 10.43454 | 11 41 11.02 | -00 08 42.8 | 9 675 | (910) | 1994 04 04.14947 | 08 27 51.24 | +30 19 03.3 | 9 675 |
| (626) | 1994 02 10.47152 | 11 41 09.11 | -00 08 47.1 | 9 675 | (910) | 1994 04 04.19756 | 08 27 51.99 | +30 18 52.2 | 9 675 |
| (635) | 1984 03 29.37569 | 13 41 46.51 | -05 42 56.3 | 9 675 | (910) | 1994 04 04.28090 | 08 27 53.11 | +30 18 30.8 | 9 675 |
| (635) | 1984 03 29.39514 | 13 41 45.77 | -05 42 48.4 | 9 675 | (910) | 1994 04 05.24896 | 08 28 07.75 | +30 14 27.4 | 9 675 |
| (635) | 1984 03 30.37292 | 13 41 09.48 | -05 36 24.3 | 9 675 | (910) | 1994 04 05.26736 | 08 28 07.85 | +30 14 23.5 | 9 675 |

| | | | | | | | | | |
|--------|------------------|-------------|-------------|-------|--------|------------------|-------------|-------------|--------------|
| (910) | 1994 04 06.15365 | 08 28 22.86 | +30 10 36.0 | 9 675 | (1327) | 1984 03 30.37292 | 13 45 10.31 | -05 14 49.9 | 9 675 |
| (910) | 1994 04 06.17170 | 08 28 23.13 | +30 10 32.2 | 9 675 | (1327) | 1984 03 30.39236 | 13 45 09.19 | -05 14 45.9 | 9 675 |
| (913) | 1984 04 29.27708 | 13 14 39.59 | +03 02 39.5 | 9 675 | (1327) | 1984 04 29.27708 | 13 20 16.89 | -03 30 05.2 | 9 675 |
| (913) | 1984 04 29.29931 | 13 14 38.38 | +03 02 42.2 | 9 675 | (1327) | 1984 04 29.29931 | 13 20 15.84 | -03 30 01.1 | 9 675 |
| (913) | 1984 04 30.16181 | 13 13 53.24 | +03 04 18.6 | 9 675 | (1328) | 1993 03 24.21649 | 10 16 10.85 | +03 33 46.2 | 9 675 |
| (913) | 1984 04 30.18681 | 13 13 51.91 | +03 04 21.4 | 9 675 | (1328) | 1993 03 24.25521 | 10 16 09.74 | +03 33 56.0 | 9 675 |
| (956) | 1993 01 24.43733 | 10 21 43.88 | +03 14 58.1 | 9 675 | (1350) | 1994 02 12.32326 | 09 04 36.96 | +16 29 08.0 | 9 675 |
| (956) | 1993 01 24.47278 | 10 21 42.37 | +03 15 05.3 | 9 675 | (1350) | 1994 02 12.36094 | 09 04 34.99 | +16 29 17.6 | 9 675 |
| (1030) | 1953 10 01.28507 | 23 27 45.87 | +01 13 28.2 | 6 675 | (1369) | 1994 03 14.42396 | 13 09 44.85 | -03 56 28.1 | 9 675 |
| (1030) | 1953 10 01.30833 | 23 27 45.17 | +01 13 17.3 | 6 675 | (1369) | 1994 03 14.47882 | 13 09 43.10 | -03 56 04.1 | 9 675 |
| (1110) | 1993 01 24.43733 | 10 08 21.24 | +02 16 54.4 | 9 675 | (1369) | 1994 04 03.28021 | 12 57 18.60 | -01 18 29.6 | 9 675 |
| (1110) | 1993 01 24.47278 | 10 08 19.51 | +02 16 58.9 | 9 675 | (1369) | 1994 04 03.31944 | 12 57 16.92 | -01 18 10.6 | 9 675 |
| (1132) | 1994 02 15.48594 | 12 00 33.99 | +07 33 50.3 | 9 675 | (1374) | 1994 02 12.32326 | 09 22 38.79 | +12 37 34.4 | 9 675 |
| (1132) | 1994 02 15.52708 | 12 00 32.54 | +07 33 59.8 | 9 675 | (1374) | 1994 02 12.36094 | 09 22 36.22 | +12 37 42.5 | 9 675 |
| (1163) | 1994 02 15.48594 | 12 09 42.60 | +07 47 24.9 | 9 675 | (1374) | 1994 02 15.31267 | 09 19 21.03 | +12 48 14.1 | 17.2 9 675 |
| (1163) | 1994 02 15.52708 | 12 09 41.60 | +07 47 38.9 | 9 675 | (1374) | 1994 02 15.34861 | 09 19 18.59 | +12 48 22.6 | 9 675 |
| (1165) | 1953 11 30.10035 | 22 55 23.31 | -01 18 23.8 | 6 675 | (1407) | 1993 03 24.21649 | 10 01 58.86 | +04 04 51.5 | 9 675 |
| (1165) | 1953 11 30.12431 | 22 55 24.58 | -01 18 23.4 | 6 675 | (1407) | 1993 03 24.25521 | 10 01 57.56 | +04 05 01.4 | 9 675 |
| (1168) | 1955 12 18.27569 | 05 00 19.86 | +09 14 34.3 | 6 675 | (1432) | 1984 04 30.16181 | 13 07 13.52 | +06 12 36.8 | 9 675 |
| (1168) | 1955 12 18.29757 | 05 00 18.64 | +09 14 31.4 | 6 675 | (1432) | 1984 04 30.18681 | 13 07 12.22 | +06 12 44.1 | 9 675 |
| (1180) | 1994 02 15.48594 | 12 13 28.32 | +08 17 06.8 | 9 675 | (1441) | 1994 02 13.31944 | 08 32 07.09 | +00 01 59.2 | 9 675 |
| (1180) | 1994 02 15.52708 | 12 13 27.38 | +08 17 16.8 | 9 675 | (1441) | 1994 02 13.36493 | 08 32 04.85 | +00 02 09.3 | 9 675 |
| (1200) | 1993 01 24.43733 | 10 14 49.03 | +04 50 58.2 | 9 675 | (1441) | 1994 02 15.24427 | 08 30 31.21 | +00 09 10.4 | 9 675 |
| (1200) | 1993 01 24.47278 | 10 14 47.77 | +04 51 03.3 | 9 675 | (1441) | 1994 02 15.27708 | 08 30 29.56 | +00 09 18.3 | 9 675 |
| (1205) | 1994 04 03.28021 | 12 35 47.29 | -00 35 29.0 | 9 675 | (1451) | 1984 04 29.31875 | 14 00 06.13 | -05 11 22.4 | 15.0 V 9 675 |
| (1205) | 1994 04 03.31944 | 12 35 45.04 | -00 35 18.5 | 9 675 | (1451) | 1984 04 29.33819 | 14 00 05.04 | -05 11 12.8 | 9 675 |
| (1209) | 1994 04 04.14947 | 08 35 16.46 | +25 09 11.6 | 9 675 | (1462) | 1994 02 11.22638 | 08 22 26.48 | +20 48 53.6 | 9 675 |
| (1209) | 1994 04 04.19756 | 08 35 16.82 | +25 09 07.4 | 9 675 | (1462) | 1994 02 11.27482 | 08 22 24.17 | +20 49 00.4 | 9 675 |
| (1209) | 1994 04 04.28090 | 08 35 17.43 | +25 08 58.7 | 9 675 | (1462) | 1994 02 14.35104 | 08 20 06.70 | +20 55 49.7 | 9 675 |
| (1237) | 1984 03 29.37569 | 13 53 31.67 | -01 56 29.8 | 9 675 | (1462) | 1994 02 14.38923 | 08 20 05.00 | +20 55 53.7 | 9 675 |
| (1237) | 1984 03 29.39514 | 13 53 30.74 | -01 56 25.9 | 9 675 | (1473) | 1994 02 15.39149 | 11 07 54.64 | -11 00 56.3 | 9 675 |
| (1237) | 1984 03 30.37292 | 13 52 44.05 | -01 53 12.9 | 9 675 | (1473) | 1994 02 15.43420 | 11 07 52.73 | -11 00 46.8 | 9 675 |
| (1237) | 1984 03 30.39236 | 13 52 43.10 | -01 53 07.8 | 9 675 | (1480) | 1984 04 29.31875 | 13 37 59.82 | -04 59 09.8 | 9 675 |
| (1237) | 1984 04 29.27708 | 13 25 56.95 | -00 37 42.9 | 9 675 | (1480) | 1984 04 29.33819 | 13 37 58.48 | -04 59 07.7 | 9 675 |
| (1237) | 1984 04 29.29931 | 13 25 55.78 | -00 37 41.4 | 9 675 | (1497) | 1954 12 22.41667 | 08 40 41.50 | +18 29 15.4 | 6 675 |
| (1242) | 1994 04 04.14947 | 08 20 38.47 | +25 32 46.1 | 9 675 | (1497) | 1954 12 22.43993 | 08 40 40.82 | +18 29 16.0 | 6 675 |
| (1242) | 1994 04 04.19756 | 08 20 39.76 | +25 32 28.9 | 9 675 | (1522) | 1994 04 05.24896 | 07 50 35.97 | +27 29 11.8 | 9 675 |
| (1242) | 1994 04 04.28090 | 08 20 41.93 | +25 31 57.6 | 9 675 | (1522) | 1994 04 06.15365 | 07 51 32.54 | +27 24 57.0 | 9 675 |
| (1271) | 1984 04 30.16181 | 13 04 20.07 | +02 30 43.6 | 9 675 | (1529) | 1994 04 04.14947 | 08 09 32.15 | +25 36 22.6 | 9 675 |
| (1271) | 1984 04 30.18681 | 13 04 19.17 | +02 30 49.1 | 9 675 | (1529) | 1994 04 04.19756 | 08 09 32.95 | +25 36 19.9 | 9 675 |
| (1271) | 1994 02 11.22638 | 08 15 23.10 | +19 50 08.9 | 9 675 | (1529) | 1994 04 04.28090 | 08 09 34.21 | +25 36 14.6 | 9 675 |
| (1271) | 1994 02 11.27482 | 08 15 20.99 | +19 50 20.7 | 9 675 | (1529) | 1994 04 05.24896 | 08 09 50.74 | +25 35 12.4 | 9 675 |
| (1271) | 1994 02 14.35104 | 08 13 16.12 | +20 02 30.4 | 9 675 | (1529) | 1994 04 05.26736 | 08 09 50.98 | +25 35 09.9 | 9 675 |
| (1271) | 1994 02 14.38923 | 08 13 14.61 | +20 02 38.1 | 9 675 | (1529) | 1994 04 06.15365 | 08 10 07.19 | +25 34 12.1 | 9 675 |
| (1286) | 1955 12 18.27569 | 05 02 05.41 | +11 03 49.8 | 6 675 | (1529) | 1994 04 06.17170 | 08 10 07.53 | +25 34 10.8 | 9 675 |
| (1286) | 1955 12 18.29757 | 05 02 04.37 | +11 03 48.4 | 6 675 | (1558) | 1994 04 04.14947 | 08 09 06.13 | +25 22 46.1 | 9 675 |
| (1288) | 1954 12 22.41667 | 08 41 47.71 | +19 00 43.0 | 6 675 | (1558) | 1994 04 04.19756 | 08 09 07.23 | +25 22 44.4 | 9 675 |
| (1288) | 1954 12 22.43993 | 08 41 46.97 | +19 00 42.5 | 6 675 | (1558) | 1994 04 04.28090 | 08 09 09.04 | +25 22 40.5 | 9 675 |
| (1294) | 1984 04 29.31875 | 13 44 18.44 | -00 12 09.4 | 9 675 | (1558) | 1994 04 05.24896 | 08 09 32.24 | +25 21 54.7 | 9 675 |
| (1294) | 1984 04 29.33819 | 13 44 17.52 | -00 12 04.1 | 9 675 | (1558) | 1994 04 05.26736 | 08 09 32.59 | +25 21 51.9 | 9 675 |
| (1327) | 1984 03 29.37569 | 13 45 54.82 | -05 18 29.9 | 9 675 | (1558) | 1994 04 06.15365 | 08 09 55.05 | +25 21 09.3 | 9 675 |
| (1327) | 1984 03 29.39514 | 13 45 54.06 | -05 18 25.9 | 9 675 | (1558) | 1994 04 06.17170 | 08 09 55.49 | +25 21 08.1 | 9 675 |

| | | | | | | | | | |
|--------|------------------|-------------|-------------|------------|--------|------------------|-------------|-------------|--------------|
| (1593) | 1984 05 27.16945 | 13 27 49.78 | +08 33 04.7 | 9 675 | (1871) | 1994 02 15.31267 | 09 22 13.19 | +14 16 16.4 | 9 675 |
| (1593) | 1984 05 27.19514 | 13 27 49.06 | +08 32 57.4 | 9 675 | (1871) | 1994 02 15.34861 | 09 22 12.05 | +14 16 23.9 | 9 675 |
| (1598) | 1993 03 24.21649 | 10 04 15.65 | +01 55 15.9 | 9 675 | (1874) | 1994 02 10.43454 | 11 38 40.68 | +03 03 14.5 | 9 675 |
| (1598) | 1993 03 24.25521 | 10 04 14.12 | +01 55 23.7 | 9 675 | (1874) | 1994 02 10.47152 | 11 38 39.58 | +03 03 22.9 | 9 675 |
| (1615) | 1994 02 12.32326 | 09 20 55.74 | +14 53 18.5 | 9 675 | (1875) | 1994 02 13.31944 | 08 34 58.69 | +02 20 28.3 | 9 675 |
| (1615) | 1994 02 12.36094 | 09 20 53.83 | +14 53 28.1 | 9 675 | (1875) | 1994 02 13.36493 | 08 34 56.91 | +02 20 41.0 | 9 675 |
| (1615) | 1994 02 15.31267 | 09 18 31.39 | +15 05 58.0 | 9 675 | (1875) | 1994 02 15.24427 | 08 33 41.77 | +02 30 47.0 | 9 675 |
| (1615) | 1994 02 15.34861 | 09 18 29.61 | +15 06 07.1 | 9 675 | (1875) | 1994 02 15.27708 | 08 33 40.43 | +02 30 56.6 | 9 675 |
| (1620) | 1994 04 11.17049 | 06 43 19.95 | +21 35 36.0 | 2 675 | (1897) | 1994 03 14.42396 | 13 11 04.53 | -01 46 08.7 | 9 675 |
| (1639) | 1994 02 12.32326 | 09 10 11.34 | +17 59 21.0 | 9 675 | (1897) | 1994 03 14.47882 | 13 11 02.00 | -01 45 53.4 | 9 675 |
| (1639) | 1994 02 12.36094 | 09 10 08.88 | +17 59 21.2 | 9 675 | (1897) | 1994 04 03.28021 | 12 53 11.05 | -00 00 44.5 | 9 675 |
| (1639) | 1994 02 15.31267 | 09 07 06.86 | +17 59 29.6 | 9 675 | (1897) | 1994 04 03.31944 | 12 53 08.63 | -00 00 32.3 | 9 675 |
| (1639) | 1994 02 15.34861 | 09 07 04.64 | +17 59 30.4 | 9 675 | (1913) | 1994 02 10.43454 | 11 20 12.32 | +05 04 58.6 | 9 675 |
| (1686) | 1994 02 11.22638 | 08 14 19.46 | +20 36 22.1 | 9 675 | (1913) | 1994 02 10.47152 | 11 20 10.91 | +05 05 05.7 | 9 675 |
| (1686) | 1994 02 11.27482 | 08 14 17.31 | +20 36 28.8 | 9 675 | (1938) | 1984 03 29.37569 | 13 30 58.64 | -06 33 27.5 | 9 675 |
| (1686) | 1994 02 14.35104 | 08 12 08.84 | +20 42 44.3 | 9 675 | (1938) | 1984 03 29.39514 | 13 30 57.75 | -06 33 18.3 | 9 675 |
| (1686) | 1994 02 14.38923 | 08 12 07.32 | +20 42 47.3 | 9 675 | (1938) | 1984 03 30.37292 | 13 30 15.58 | -06 25 55.9 | 9 675 |
| (1741) | 1994 04 04.14947 | 08 14 25.52 | +23 20 07.2 | 9 675 | (1938) | 1984 03 30.39236 | 13 30 14.70 | -06 25 47.1 | 9 675 |
| (1741) | 1994 04 04.19756 | 08 14 26.67 | +23 20 00.3 | 9 675 | (1938) | 1984 04 29.27708 | 13 06 23.54 | -02 44 35.9 | 9 675 |
| (1741) | 1994 04 04.28090 | 08 14 28.63 | +23 19 47.9 | 9 675 | (1938) | 1984 04 29.29931 | 13 06 22.62 | -02 44 28.8 | 9 675 |
| (1748) | 1994 02 10.43454 | 11 50 46.59 | +03 59 33.1 | 9 675 | (1938) | 1994 04 03.28021 | 12 51 35.33 | -02 50 24.9 | 9 675 |
| (1748) | 1994 02 10.47152 | 11 50 45.55 | +03 59 43.3 | 9 675 | (1938) | 1994 04 03.31944 | 12 51 33.15 | -02 50 05.2 | 9 675 |
| (1748) | 1994 02 15.48594 | 11 48 45.30 | +04 16 14.8 | 9 675 | (1939) | 1994 02 12.32326 | 09 38 24.23 | +15 29 12.8 | 9 675 |
| (1748) | 1994 02 15.52708 | 11 48 44.23 | +04 16 23.3 | 9 675 | (1939) | 1994 02 12.36094 | 09 38 22.36 | +15 29 21.8 | 9 675 |
| (1780) | 1953 11 30.10035 | 22 52 17.20 | +03 01 43.6 | 6 675 | (1939) | 1994 02 15.31267 | 09 35 56.56 | +15 41 08.8 | 9 675 |
| (1780) | 1953 11 30.12431 | 22 52 18.02 | +03 01 45.7 | 6 675 | (1939) | 1994 02 15.34861 | 09 35 54.86 | +15 41 15.3 | 9 675 |
| (1787) | 1994 02 11.22638 | 08 29 07.24 | +18 17 17.7 | 16.8 9 675 | (2004) | 1994 02 10.43454 | 11 33 09.13 | +04 57 52.6 | 9 675 |
| (1787) | 1994 02 11.27482 | 08 29 04.71 | +18 17 18.9 | 9 675 | (2004) | 1994 02 10.47152 | 11 33 07.58 | +04 58 00.6 | 9 675 |
| (1787) | 1994 02 14.35104 | 08 26 32.69 | +18 18 23.6 | 9 675 | (2014) | 1984 04 29.27708 | 13 19 18.89 | -04 39 44.1 | 9 675 |
| (1787) | 1994 02 14.38923 | 08 26 30.78 | +18 18 23.8 | 9 675 | (2014) | 1984 04 29.29931 | 13 19 17.89 | -04 39 18.6 | 9 675 |
| (1788) | 1954 12 22.41667 | 08 38 48.81 | +17 50 25.9 | 6 675 | (2014) | 1984 05 27.16945 | 13 09 10.83 | +02 22 12.4 | 16.0 V 9 675 |
| (1788) | 1954 12 22.43993 | 08 38 48.19 | +17 50 27.5 | 6 675 | (2014) | 1984 05 27.19514 | 13 09 10.91 | +02 22 27.1 | 9 675 |
| (1808) | 1994 02 10.43454 | 11 31 37.24 | +04 50 06.0 | 9 675 | (2023) | 1994 02 15.48594 | 12 12 55.34 | +05 11 30.8 | 9 675 |
| (1808) | 1994 02 10.47152 | 11 31 35.81 | +04 50 16.0 | 9 675 | (2023) | 1994 02 15.52708 | 12 12 53.82 | +05 11 34.0 | 9 675 |
| (1812) | 1984 03 29.37569 | 13 57 26.63 | -05 38 34.2 | 9 675 | (2033) | 1993 03 24.21649 | 10 20 33.44 | +03 04 18.8 | 9 675 |
| (1812) | 1984 03 30.37292 | 13 56 50.36 | -05 31 45.4 | 9 675 | (2033) | 1993 03 24.25521 | 10 20 31.73 | +03 04 21.3 | 9 675 |
| (1812) | 1984 03 30.39236 | 13 56 49.58 | -05 31 37.2 | 9 675 | (2109) | 1984 03 29.37569 | 13 48 50.58 | -03 31 46.9 | 9 675 |
| (1812) | 1984 04 29.31875 | 13 36 06.21 | -02 14 13.9 | 9 675 | (2109) | 1984 03 29.39514 | 13 48 49.93 | -03 31 39.4 | 9 675 |
| (1812) | 1984 04 29.33819 | 13 36 05.26 | -02 14 07.8 | 9 675 | (2109) | 1984 03 30.37292 | 13 48 09.05 | -03 25 26.4 | 9 675 |
| (1820) | 1994 04 03.28021 | 12 37 02.70 | +02 34 23.9 | 9 675 | (2109) | 1984 03 30.39236 | 13 48 08.24 | -03 25 17.1 | 9 675 |
| (1820) | 1994 04 03.31944 | 12 37 00.31 | +02 34 43.5 | 9 675 | (2109) | 1984 04 29.27708 | 13 24 59.53 | -00 23 51.2 | 9 675 |
| (1836) | 1993 03 24.21649 | 10 01 33.38 | +02 10 57.0 | 9 675 | (2109) | 1984 04 29.29931 | 13 24 58.41 | -00 23 43.5 | 9 675 |
| (1836) | 1993 03 24.25521 | 10 01 32.01 | +02 11 07.8 | 9 675 | (2111) | 1994 03 14.42396 | 13 18 52.84 | -01 54 35.9 | 9 675 |
| (1854) | 1994 02 10.47152 | 11 30 15.71 | -01 01 19.6 | 9 675 | (2111) | 1994 03 14.47882 | 13 18 51.04 | -01 54 14.1 | 9 675 |
| (1857) | 1993 03 24.21649 | 10 06 45.62 | +04 21 25.1 | 9 675 | (2111) | 1994 04 03.28021 | 13 06 18.56 | +00 23 49.9 | 9 675 |
| (1857) | 1993 03 24.25521 | 10 06 44.35 | +04 21 38.9 | 9 675 | (2111) | 1994 04 03.31944 | 13 06 16.85 | +00 24 06.0 | 9 675 |
| (1867) | 1994 02 13.31944 | 08 48 54.30 | -01 56 49.4 | 9 675 | (2124) | 1994 03 14.42396 | 13 22 52.29 | +01 13 12.6 | 9 675 |
| (1867) | 1994 02 13.36493 | 08 48 52.80 | -01 56 46.4 | 9 675 | (2124) | 1994 03 14.47882 | 13 22 50.19 | +01 13 22.5 | 9 675 |
| (1867) | 1994 02 15.24427 | 08 47 50.74 | -01 55 08.2 | 9 675 | (2136) | 1994 02 12.32326 | 09 16 53.47 | +12 58 15.6 | 9 675 |
| (1867) | 1994 02 15.27708 | 08 47 49.83 | -01 55 05.4 | 9 675 | (2136) | 1994 02 12.36094 | 09 16 51.67 | +12 58 31.1 | 9 675 |
| (1871) | 1994 02 12.32326 | 09 23 41.01 | +14 06 45.5 | 9 675 | (2136) | 1994 02 15.31267 | 09 14 35.11 | +13 19 02.4 | 9 675 |
| (1871) | 1994 02 12.36094 | 09 23 40.07 | +14 06 52.8 | 9 675 | (2136) | 1994 02 15.34861 | 09 14 33.38 | +13 19 17.7 | 9 675 |

| | | | | | | | | | |
|--------|------------------|-------------|-------------|------------|--------|------------------|-------------|-------------|------------|
| (2142) | 1994 02 15.31267 | 09 37 43.22 | +13 56 22.0 | 9 675 | (2339) | 1994 04 04.19756 | 08 20 30.34 | +24 09 37.8 | 9 675 |
| (2142) | 1994 02 15.34861 | 09 37 41.39 | +13 56 30.0 | 9 675 | (2339) | 1994 04 04.28090 | 08 20 31.95 | +24 09 23.1 | 9 675 |
| (2147) | 1994 02 11.22638 | 08 20 09.83 | +15 30 14.5 | 9 675 | (2348) | 1984 03 30.37292 | 13 41 10.04 | -08 36 26.6 | 9 675 |
| (2147) | 1994 02 11.27482 | 08 20 07.74 | +15 30 30.6 | 9 675 | (2348) | 1984 03 30.39236 | 13 41 09.09 | -08 36 17.5 | 9 675 |
| (2147) | 1994 02 14.35104 | 08 18 05.17 | +15 47 41.4 | 9 675 | (2348) | 1984 04 29.27708 | 13 15 57.84 | -04 54 58.7 | 9 675 |
| (2147) | 1994 02 14.38923 | 08 18 03.70 | +15 47 53.6 | 9 675 | (2348) | 1984 04 29.29931 | 13 15 56.97 | -04 54 49.8 | 9 675 |
| (2150) | 1984 04 29.27708 | 13 30 57.60 | -00 27 04.3 | 9 675 | (2352) | 1994 02 15.39149 | 11 04 06.61 | -14 06 29.2 | 17.5 9 675 |
| (2150) | 1984 04 29.29931 | 13 30 56.45 | -00 26 35.4 | 9 675 | (2352) | 1994 02 15.43420 | 11 04 04.96 | -14 06 23.5 | 9 675 |
| (2150) | 1984 05 27.16945 | 13 19 18.26 | +06 27 53.3 | 9 675 | (2354) | 1994 02 12.32326 | 09 23 18.57 | +12 17 57.3 | 9 675 |
| (2150) | 1984 05 27.19514 | 13 19 18.11 | +06 28 07.2 | 9 675 | (2354) | 1994 02 12.36094 | 09 23 16.58 | +12 18 07.5 | 9 675 |
| (2160) | 1994 03 14.42396 | 13 06 50.65 | -03 30 11.3 | 9 675 | (2354) | 1994 02 15.31267 | 09 20 43.78 | +12 33 05.0 | 9 675 |
| (2160) | 1994 03 14.47882 | 13 06 48.65 | -03 29 55.4 | 9 675 | (2354) | 1994 02 15.34861 | 09 20 41.82 | +12 33 15.1 | 9 675 |
| (2160) | 1994 04 03.28021 | 12 52 42.33 | -01 46 35.0 | 9 675 | (2404) | 1954 12 22.41667 | 08 40 10.90 | +18 43 27.6 | 6 675 |
| (2160) | 1994 04 03.31944 | 12 52 40.49 | -01 46 22.8 | 9 675 | (2404) | 1954 12 22.43993 | 08 40 10.29 | +18 43 29.2 | 6 675 |
| (2199) | 1994 02 11.22638 | 08 08 23.87 | +16 00 57.2 | 9 675 | (2404) | 1994 02 12.32326 | 09 12 26.35 | +17 55 57.3 | 9 675 |
| (2199) | 1994 02 11.27482 | 08 08 21.10 | +16 01 13.7 | 17.0 9 675 | (2404) | 1994 02 12.36094 | 09 12 24.46 | +17 56 06.9 | 9 675 |
| (2200) | 1955 04 20.21181 | 11 27 10.56 | -00 00 16.9 | 6 675 | (2404) | 1994 02 15.31267 | 09 10 03.41 | +18 07 54.6 | 9 675 |
| (2200) | 1955 04 20.23716 | 11 27 09.94 | -00 00 16.5 | 6 675 | (2404) | 1994 02 15.34861 | 09 10 01.48 | +18 08 03.2 | 9 675 |
| (2207) | 1984 03 29.37569 | 13 56 09.97 | -05 29 02.7 | 9 675 | (2405) | 1994 02 11.22638 | 08 29 23.94 | +19 08 57.3 | 16.2 9 675 |
| (2207) | 1984 03 29.39514 | 13 56 09.56 | -05 29 00.3 | 9 675 | (2405) | 1994 02 11.27482 | 08 29 21.74 | +19 09 07.2 | 9 675 |
| (2207) | 1984 03 30.37292 | 13 55 44.92 | -05 25 40.8 | 9 675 | (2405) | 1994 02 14.35104 | 08 27 10.78 | +19 19 05.4 | 9 675 |
| (2207) | 1984 03 30.39236 | 13 55 44.34 | -05 25 37.4 | 9 675 | (2405) | 1994 02 14.38923 | 08 27 09.18 | +19 19 12.5 | 9 675 |
| (2207) | 1984 04 29.31875 | 13 41 45.21 | -03 47 48.5 | 9 675 | (2413) | 1984 04 29.27708 | 13 05 40.57 | +02 12 40.9 | 9 675 |
| (2207) | 1984 04 29.33819 | 13 41 44.70 | -03 47 44.8 | 9 675 | (2413) | 1984 04 29.29931 | 13 05 39.72 | +02 12 48.8 | 9 675 |
| (2208) | 1994 04 03.28021 | 12 42 00.53 | +03 08 41.8 | 9 675 | (2465) | 1993 01 24.43733 | 10 16 56.34 | +07 44 28.9 | 9 675 |
| (2208) | 1994 04 03.31944 | 12 41 58.90 | +03 08 50.6 | 9 675 | (2465) | 1993 01 24.47278 | 10 16 54.88 | +07 44 33.1 | 9 675 |
| (2223) | 1994 02 15.39149 | 10 59 07.44 | -10 59 27.6 | 9 675 | (2487) | 1994 02 10.43454 | 11 26 52.12 | +04 11 15.6 | 9 675 |
| (2223) | 1994 02 15.43420 | 10 59 06.31 | -10 59 21.9 | 9 675 | (2487) | 1994 02 10.47152 | 11 26 50.57 | +04 11 23.2 | 9 675 |
| (2236) | 1994 02 15.48594 | 12 10 34.90 | +04 24 37.1 | 9 675 | (2515) | 1994 04 05.24896 | 08 00 38.48 | +25 12 44.9 | 9 675 |
| (2236) | 1994 02 15.52708 | 12 10 33.38 | +04 24 42.6 | 17.8 9 675 | (2515) | 1994 04 05.26736 | 08 00 39.33 | +25 12 40.8 | 9 675 |
| (2241) | 1994 02 13.31944 | 08 42 28.57 | +02 32 47.8 | 9 675 | (2515) | 1994 04 06.15365 | 08 01 09.92 | +25 10 09.9 | 9 675 |
| (2241) | 1994 02 13.36493 | 08 42 27.18 | +02 32 51.7 | 9 675 | (2515) | 1994 04 06.17170 | 08 01 10.39 | +25 10 04.0 | 9 675 |
| (2241) | 1994 02 15.24427 | 08 41 29.07 | +02 35 52.9 | 9 675 | (2517) | 1994 03 14.42396 | 13 06 11.74 | -03 41 53.9 | 9 675 |
| (2241) | 1994 02 15.27708 | 08 41 28.07 | +02 35 56.4 | 9 675 | (2517) | 1994 03 14.47882 | 13 06 09.82 | -03 41 42.3 | 9 675 |
| (2246) | 1955 01 15.15243 | 02 51 06.51 | +08 59 13.2 | 6 675 | (2517) | 1994 04 03.28021 | 12 52 59.67 | -02 19 29.9 | 9 675 |
| (2246) | 1955 01 15.17569 | 02 51 06.67 | +08 59 16.1 | 6 675 | (2517) | 1994 04 03.31944 | 12 52 57.96 | -02 19 18.9 | 9 675 |
| (2251) | 1955 12 18.27569 | 04 59 53.81 | +11 37 30.5 | 6 675 | (2525) | 1994 02 11.22638 | 08 27 12.93 | +21 50 11.4 | 9 675 |
| (2251) | 1955 12 18.29757 | 04 59 52.65 | +11 37 29.4 | 6 675 | (2525) | 1994 02 11.27482 | 08 27 10.71 | +21 50 17.7 | 9 675 |
| (2276) | 1994 02 11.22638 | 08 15 14.95 | +15 53 53.6 | 9 675 | (2525) | 1994 02 14.35104 | 08 24 55.25 | +21 58 18.8 | 9 675 |
| (2276) | 1994 02 11.27482 | 08 15 12.12 | +15 54 04.4 | 9 675 | (2525) | 1994 02 14.38923 | 08 24 53.53 | +21 58 24.9 | 9 675 |
| (2276) | 1994 02 14.35104 | 08 12 27.01 | +16 05 06.3 | 9 675 | (2531) | 1984 04 30.16181 | 13 16 26.98 | +09 12 26.1 | 9 675 |
| (2276) | 1994 02 14.38923 | 08 12 24.98 | +16 05 13.6 | 9 675 | (2531) | 1984 04 30.18681 | 13 16 25.95 | +09 12 26.4 | 9 675 |
| (2295) | 1994 02 14.35104 | 08 07 39.30 | +20 36 28.6 | 9 675 | (2531) | 1984 05 27.16945 | 13 05 20.47 | +08 20 15.1 | 9 675 |
| (2312) | 1984 03 29.37569 | 13 40 48.27 | -05 47 17.6 | 9 675 | (2531) | 1984 05 27.19514 | 13 05 20.25 | +08 20 08.2 | 9 675 |
| (2312) | 1984 03 29.39514 | 13 40 47.65 | -05 47 15.8 | 9 675 | (2554) | 1954 12 22.41667 | 08 45 40.98 | +18 17 24.2 | 6 675 |
| (2312) | 1984 03 30.37292 | 13 40 14.87 | -05 44 17.4 | 9 675 | (2554) | 1954 12 22.43993 | 08 45 40.24 | +18 17 23.9 | 6 675 |
| (2312) | 1984 03 30.39236 | 13 40 14.40 | -05 44 13.4 | 9 675 | (2574) | 1954 11 23.38472 | 06 24 54.82 | +25 58 52.4 | 6 675 |
| (2312) | 1984 04 29.27708 | 13 22 38.53 | -04 18 21.5 | 9 675 | (2574) | 1954 11 23.40868 | 06 24 54.01 | +25 58 52.9 | 6 675 |
| (2312) | 1984 04 29.29931 | 13 22 37.85 | -04 18 18.3 | 9 675 | (2583) | 1984 04 29.31875 | 13 30 50.52 | -05 48 31.5 | 9 675 |
| (2316) | 1954 11 23.42431 | 06 04 47.74 | +20 57 09.3 | 6 675 | (2583) | 1984 04 29.33819 | 13 30 49.44 | -05 48 26.8 | 9 675 |
| (2316) | 1994 02 12.32326 | 09 03 16.81 | +16 12 43.2 | 9 675 | (2583) | 1994 03 14.42396 | 13 17 57.64 | -01 16 34.8 | 9 675 |
| (2339) | 1994 04 04.14947 | 08 20 29.31 | +24 09 45.4 | 9 675 | (2583) | 1994 03 14.47882 | 13 17 54.95 | -01 16 20.4 | 9 675 |

| | | | | | | | | | |
|--------|------------------|-------------|-------------|--------------|--------|------------------|-------------|-------------|--------------|
| (2583) | 1994 04 03.28021 | 12 59 33.40 | +00 15 15.9 | 9 675 | (2870) | 1984 04 29.33819 | 13 52 38.99 | -06 00 44.7 | 9 675 |
| (2583) | 1994 04 03.31944 | 12 59 30.91 | +00 15 26.3 | 9 675 | (2886) | 1954 11 23.38472 | 06 04 45.16 | +22 11 20.4 | 6 675 |
| (2584) | 1954 11 23.38472 | 06 16 32.43 | +24 33 43.4 | 6 675 | (2886) | 1954 11 23.40868 | 06 04 44.28 | +22 11 21.7 | 6 675 |
| (2584) | 1954 11 23.40868 | 06 16 31.35 | +24 33 45.0 | 6 675 | (2893) | 1955 01 15.15243 | 03 02 54.57 | +03 48 34.8 | 6 675 |
| (2592) | 1994 02 10.43454 | 11 19 03.18 | +02 54 58.9 | 17.5 9 675 | (2893) | 1955 01 15.17569 | 03 02 54.57 | +03 48 38.9 | 6 675 |
| (2592) | 1994 02 10.47152 | 11 19 01.99 | +02 55 06.0 | 9 675 | (2893) | 1955 12 18.27569 | 05 06 19.33 | +13 48 14.8 | 6 675 |
| (2605) | 1994 04 03.28021 | 12 36 44.67 | +00 27 35.2 | 9 675 | (2893) | 1955 12 18.29757 | 05 06 18.66 | +13 48 17.1 | 6 675 |
| (2605) | 1994 04 03.31944 | 12 36 43.01 | +00 27 51.0 | 9 675 | (2893) | 1994 04 04.14947 | 08 37 41.64 | +25 53 47.8 | 9 675 |
| (2647) | 1953 11 30.10035 | 22 53 22.59 | -01 57 05.6 | 6 675 | (2893) | 1994 04 04.19756 | 08 37 41.60 | +25 53 46.0 | 9 675 |
| (2647) | 1953 11 30.12431 | 22 53 24.41 | -01 56 57.4 | 6 675 | (2893) | 1994 04 04.28090 | 08 37 41.58 | +25 53 46.1 | 9 675 |
| (2654) | 1993 01 24.43733 | 10 23 18.42 | +00 20 59.7 | 9 675 | (2900) | 1994 04 03.28021 | 12 40 26.15 | -02 21 24.2 | 16.8 9 675 |
| (2654) | 1993 01 24.47278 | 10 23 17.31 | +00 21 02.8 | 9 675 | (2900) | 1994 04 03.31944 | 12 40 24.09 | -02 21 18.1 | 9 675 |
| (2660) | 1955 01 15.15243 | 03 02 13.79 | +07 21 27.9 | 6 675 | (2914) | 1994 02 12.32326 | 09 27 49.66 | +12 39 04.7 | 9 675 |
| (2660) | 1955 01 15.17569 | 03 02 14.08 | +07 21 30.8 | 6 675 | (2914) | 1994 02 12.36094 | 09 27 47.26 | +12 39 19.4 | 9 675 |
| (2721) | 1994 03 14.42396 | 13 01 47.62 | -03 29 31.8 | 9 675 | (2914) | 1994 02 15.31267 | 09 24 46.80 | +12 58 14.2 | 9 675 |
| (2721) | 1994 03 14.47882 | 13 01 45.65 | -03 29 18.5 | 9 675 | (2914) | 1994 02 15.34861 | 09 24 44.49 | +12 58 28.1 | 9 675 |
| (2721) | 1994 04 03.28021 | 12 48 43.74 | -02 05 42.1 | 9 675 | (2918) | 1984 03 29.37569 | 13 45 02.72 | -07 56 52.8 | 9 675 |
| (2721) | 1994 04 03.31944 | 12 48 42.08 | -02 05 31.1 | 9 675 | (2918) | 1984 03 30.37292 | 13 44 24.24 | -07 52 36.6 | 9 675 |
| (2748) | 1994 02 12.32326 | 09 31 47.12 | +17 53 26.8 | 9 675 | (2918) | 1984 03 30.39236 | 13 44 23.42 | -07 52 32.4 | 9 675 |
| (2748) | 1994 02 12.36094 | 09 31 45.04 | +17 53 33.9 | 9 675 | (2918) | 1994 02 11.22638 | 08 26 31.91 | +18 50 32.4 | 18.5 9 675 |
| (2748) | 1994 02 15.31267 | 09 29 06.33 | +18 02 56.7 | 9 675 | (2918) | 1994 02 11.27482 | 08 26 29.88 | +18 50 41.8 | 9 675 |
| (2748) | 1994 02 15.34861 | 09 29 04.40 | +18 03 03.5 | 9 675 | (2918) | 1994 02 14.35104 | 08 24 19.07 | +18 59 29.0 | 9 675 |
| (2752) | 1984 03 29.37569 | 13 42 18.64 | -06 51 29.5 | 9 675 | (2918) | 1994 02 14.38923 | 08 24 17.51 | +18 59 34.5 | 9 675 |
| (2752) | 1984 03 29.39514 | 13 42 18.02 | -06 51 23.5 | 9 675 | (3011) | 1955 12 18.27569 | 05 08 18.06 | +15 23 14.1 | 6 675 |
| (2752) | 1984 03 30.37292 | 13 41 40.65 | -06 45 08.4 | 9 675 | (3011) | 1955 12 18.29757 | 05 08 16.90 | +15 23 13.3 | 6 675 |
| (2752) | 1984 03 30.39236 | 13 41 39.72 | -06 44 59.0 | 9 675 | (3015) | 1984 04 29.31875 | 13 39 35.63 | -05 55 38.2 | 15.8 V 9 675 |
| (2752) | 1984 04 29.27708 | 13 21 09.12 | -03 35 50.1 | 17.0 V 9 675 | (3015) | 1984 04 29.33819 | 13 39 34.60 | -05 55 36.6 | 9 675 |
| (2752) | 1984 04 29.29931 | 13 21 08.50 | -03 35 39.9 | 9 675 | (3032) | 1994 02 15.48594 | 12 05 50.45 | +04 11 19.6 | 9 675 |
| (2779) | 1994 04 04.14947 | 08 11 35.89 | +24 45 44.8 | 9 675 | (3032) | 1994 02 15.52708 | 12 05 49.23 | +04 11 30.4 | 9 675 |
| (2779) | 1994 04 04.19756 | 08 11 38.04 | +24 45 33.6 | 9 675 | (3043) | 1994 01 04.23559 | 05 47 46.55 | +64 40 11.6 | 9 675 |
| (2779) | 1994 04 05.24896 | 08 12 30.49 | +24 41 37.8 | 9 675 | (3043) | 1994 01 04.27274 | 05 47 41.66 | +64 39 45.4 | 9 675 |
| (2802) | 1994 02 11.22638 | 08 09 10.58 | +19 34 33.1 | 9 675 | (3043) | 1994 01 07.25156 | 05 41 55.66 | +64 01 10.1 | 9 675 |
| (2802) | 1994 02 11.27482 | 08 09 08.47 | +19 34 48.3 | 9 675 | (3043) | 1994 01 07.30381 | 05 41 49.73 | +64 00 26.7 | 9 675 |
| (2802) | 1994 02 14.35104 | 08 07 03.11 | +19 50 40.9 | 9 675 | (3050) | 1994 02 15.31267 | 09 32 23.59 | +12 25 04.7 | 9 675 |
| (2802) | 1994 02 14.38923 | 08 07 01.63 | +19 50 51.0 | 9 675 | (3050) | 1994 02 15.34861 | 09 32 21.24 | +12 25 14.7 | 9 675 |
| (2846) | 1994 02 12.32326 | 09 06 13.78 | +14 17 37.5 | 9 675 | (3062) | 1994 04 04.14947 | 08 13 38.42 | +26 00 48.6 | 9 675 |
| (2846) | 1994 02 12.36094 | 09 06 12.07 | +14 17 51.9 | 9 675 | (3062) | 1994 04 04.19756 | 08 13 39.43 | +26 00 46.3 | 9 675 |
| (2846) | 1994 02 15.31267 | 09 04 02.73 | +14 36 35.2 | 9 675 | (3062) | 1994 04 04.28090 | 08 13 41.31 | +26 00 41.2 | 9 675 |
| (2846) | 1994 02 15.34861 | 09 04 01.14 | +14 36 49.8 | 9 675 | (3062) | 1994 04 05.24896 | 08 14 04.25 | +25 59 46.9 | 9 675 |
| (2851) | 1984 03 29.37569 | 13 54 06.34 | -04 32 49.4 | 16.8 V 9 675 | (3062) | 1994 04 05.26736 | 08 14 04.62 | +25 59 45.7 | 9 675 |
| (2851) | 1984 03 29.39514 | 13 54 05.48 | -04 32 46.0 | 9 675 | (3062) | 1994 04 06.15365 | 08 14 26.87 | +25 58 52.5 | 9 675 |
| (2851) | 1984 03 30.37292 | 13 53 15.37 | -04 29 43.7 | 9 675 | (3062) | 1994 04 06.17170 | 08 14 27.27 | +25 58 52.0 | 9 675 |
| (2851) | 1984 03 30.39236 | 13 53 14.18 | -04 29 40.9 | 9 675 | (3072) | 1994 04 03.28021 | 12 39 46.43 | +02 28 36.0 | 9 675 |
| (2851) | 1984 04 29.27708 | 13 25 01.80 | -03 11 03.5 | 9 675 | (3072) | 1994 04 03.31944 | 12 39 44.13 | +02 28 57.0 | 9 675 |
| (2851) | 1984 04 29.29931 | 13 25 00.55 | -03 11 03.0 | 9 675 | (3097) | 1993 03 24.21649 | 10 16 07.07 | +04 24 41.0 | 9 675 |
| (2857) | 1994 02 11.22638 | 08 25 42.77 | +16 02 54.7 | 9 675 | (3097) | 1993 03 24.25521 | 10 16 05.67 | +04 24 54.7 | 9 675 |
| (2857) | 1994 02 11.27482 | 08 25 40.31 | +16 03 14.3 | 9 675 | (3105) | 1994 02 11.22638 | 08 13 58.04 | +17 49 27.1 | 9 675 |
| (2857) | 1994 02 14.35104 | 08 23 15.19 | +16 23 49.4 | 9 675 | (3105) | 1994 02 11.27482 | 08 13 55.36 | +17 49 43.1 | 9 675 |
| (2857) | 1994 02 14.38923 | 08 23 13.37 | +16 24 04.4 | 9 675 | (3105) | 1994 02 14.35104 | 08 11 15.39 | +18 06 18.4 | 17.2 9 675 |
| (2862) | 1993 03 24.21649 | 10 11 11.35 | +05 15 00.8 | 9 675 | (3105) | 1994 02 14.38923 | 08 11 13.40 | +18 06 29.9 | 9 675 |
| (2862) | 1993 03 24.25521 | 10 11 10.23 | +05 15 13.8 | 9 675 | (3126) | 1953 11 30.10035 | 22 56 23.84 | -02 22 22.9 | 6 675 |
| (2870) | 1984 04 29.31875 | 13 52 40.19 | -06 00 49.9 | 9 675 | (3126) | 1953 11 30.12431 | 22 56 25.13 | -02 22 21.0 | 6 675 |

| | | | | | | | | | | | |
|--------|------------------|-------------|-------------|------|-------|--------|------------------|-------------|-------------|--------|-------|
| (3129) | 1955 01 15.15243 | 03 00 14.79 | +09 42 37.3 | | 6 675 | (3455) | 1994 02 10.43454 | 11 36 24.57 | +01 25 01.9 | | 9 675 |
| (3129) | 1955 01 15.17569 | 03 00 14.93 | +09 42 43.1 | | 6 675 | (3455) | 1994 02 10.47152 | 11 36 23.50 | +01 25 12.4 | | 9 675 |
| (3179) | 1994 02 11.22638 | 08 13 17.96 | +17 45 13.1 | 16.0 | 9 675 | (3463) | 1994 02 15.48594 | 11 47 38.46 | +06 30 09.5 | | 9 675 |
| (3179) | 1994 02 11.27482 | 08 13 15.89 | +17 45 20.0 | | 9 675 | (3463) | 1994 02 15.52708 | 11 47 36.86 | +06 30 21.5 | | 9 675 |
| (3179) | 1994 02 14.35104 | 08 11 13.62 | +17 54 17.8 | | 9 675 | (3470) | 1993 01 24.43733 | 10 23 58.63 | +05 12 37.5 | | 9 675 |
| (3179) | 1994 02 14.38923 | 08 11 12.12 | +17 54 24.2 | | 9 675 | (3470) | 1993 01 24.47278 | 10 23 57.50 | +05 12 40.7 | | 9 675 |
| (3182) | 1994 02 13.31944 | 08 29 40.71 | -00 11 30.9 | | 9 675 | (3478) | 1984 03 29.37569 | 13 48 19.45 | -04 52 35.4 | 17.0 V | 9 675 |
| (3182) | 1994 02 13.36493 | 08 29 38.42 | -00 11 20.1 | | 9 675 | (3478) | 1984 03 29.39514 | 13 48 18.33 | -04 52 29.1 | | 9 675 |
| (3182) | 1994 02 15.24427 | 08 28 07.74 | -00 03 53.1 | | 9 675 | (3478) | 1984 03 30.37292 | 13 47 28.06 | -04 46 19.4 | | 9 675 |
| (3182) | 1994 02 15.27708 | 08 28 06.12 | -00 03 44.7 | | 9 675 | (3478) | 1984 03 30.39236 | 13 47 26.71 | -04 46 15.0 | | 9 675 |
| (3188) | 1994 02 15.31267 | 09 36 20.36 | +16 11 00.0 | | 9 675 | (3478) | 1984 04 29.27708 | 13 19 24.69 | -01 52 35.8 | | 9 675 |
| (3188) | 1994 02 15.34861 | 09 36 17.83 | +16 11 07.0 | | 9 675 | (3478) | 1984 04 29.29931 | 13 19 23.41 | -01 52 34.8 | | 9 675 |
| (3202) | 1955 01 15.13681 | 02 48 21.47 | +09 42 13.8 | | 6 675 | (3479) | 1953 10 01.28507 | 23 17 11.31 | +02 44 44.1 | | 6 675 |
| (3202) | 1955 01 15.17569 | 02 48 21.71 | +09 42 14.8 | | 6 675 | (3479) | 1953 10 01.30833 | 23 17 10.47 | +02 44 32.2 | | 6 675 |
| (3235) | 1994 04 05.24896 | 07 52 05.94 | +28 19 37.5 | | 9 675 | (3515) | 1954 12 22.41667 | 08 38 18.92 | +20 02 08.0 | | 6 675 |
| (3235) | 1994 04 06.15365 | 07 53 09.09 | +28 08 59.4 | 19.0 | 9 675 | (3515) | 1954 12 22.43993 | 08 38 18.22 | +20 02 09.0 | | 6 675 |
| (3254) | 1994 02 15.48594 | 12 07 51.38 | +03 46 36.4 | | 9 675 | (3516) | 1994 02 10.43454 | 11 31 25.32 | +03 07 46.7 | 18.2 | 9 675 |
| (3254) | 1994 02 15.52708 | 12 07 50.36 | +03 46 45.1 | | 9 675 | (3516) | 1994 02 10.47152 | 11 31 24.05 | +03 07 55.6 | | 9 675 |
| (3303) | 1994 04 03.28021 | 12 33 38.84 | -00 35 17.0 | 17.0 | 9 675 | (3519) | 1954 12 22.41667 | 08 45 41.92 | +18 49 10.1 | | 6 675 |
| (3303) | 1994 04 03.31944 | 12 33 36.88 | -00 35 05.7 | | 9 675 | (3519) | 1954 12 22.43993 | 08 45 41.12 | +18 49 13.2 | | 6 675 |
| (3338) | 1994 02 10.43454 | 11 31 10.67 | +03 49 21.0 | | 9 675 | (3532) | 1984 03 29.37569 | 13 56 43.48 | -02 40 36.6 | | 9 675 |
| (3338) | 1994 02 10.47152 | 11 31 09.17 | +03 49 32.6 | | 9 675 | (3532) | 1984 03 29.39514 | 13 56 42.62 | -02 40 33.3 | | 9 675 |
| (3357) | 1994 02 12.32326 | 09 29 20.46 | +13 28 47.4 | | 9 675 | (3532) | 1984 03 30.37292 | 13 55 59.94 | -02 37 45.2 | | 9 675 |
| (3357) | 1994 02 15.31267 | 09 27 01.18 | +13 50 50.5 | | 9 675 | (3532) | 1984 04 29.27708 | 13 31 29.75 | -01 29 00.8 | | 9 675 |
| (3357) | 1994 02 15.34861 | 09 26 59.46 | +13 51 05.9 | | 9 675 | (3532) | 1984 04 29.29931 | 13 31 28.75 | -01 28 56.7 | | 9 675 |
| (3366) | 1993 03 24.21649 | 10 07 45.09 | +06 33 45.5 | | 9 675 | (3532) | 1984 04 29.31875 | 13 31 27.81 | -01 28 58.6 | | 9 675 |
| (3366) | 1993 03 24.25521 | 10 07 43.90 | +06 34 00.1 | | 9 675 | (3532) | 1984 04 29.33819 | 13 31 26.71 | -01 28 55.2 | | 9 675 |
| (3374) | 1994 04 04.19756 | 08 17 42.86 | +23 00 05.9 | | 9 675 | (3541) | 1984 03 29.37569 | 13 36 48.34 | -02 20 46.8 | | 9 675 |
| (3374) | 1994 04 04.28090 | 08 17 44.79 | +22 59 55.1 | | 9 675 | (3541) | 1984 03 29.39514 | 13 36 47.42 | -02 20 40.9 | | 9 675 |
| (3384) | 1994 02 11.22638 | 08 29 56.96 | +18 21 59.7 | 18.2 | 9 675 | (3541) | 1984 03 30.37292 | 13 36 03.16 | -02 15 43.3 | | 9 675 |
| (3384) | 1994 02 11.27482 | 08 29 54.26 | +18 22 13.7 | | 9 675 | (3541) | 1984 03 30.39236 | 13 36 02.26 | -02 15 37.2 | | 9 675 |
| (3384) | 1994 02 14.35104 | 08 27 17.08 | +18 36 14.9 | | 9 675 | (3541) | 1984 04 29.27708 | 13 11 01.82 | -00 17 31.1 | | 9 675 |
| (3384) | 1994 02 14.38923 | 08 27 15.19 | +18 36 24.9 | | 9 675 | (3541) | 1984 04 29.29931 | 13 11 00.81 | -00 17 28.4 | | 9 675 |
| (3398) | 1994 04 11.47465 | 15 16 31.16 | +03 27 47.8 | 16.0 | 2 675 | (3561) | 1955 12 18.27569 | 04 52 58.69 | +14 04 18.1 | 18.2 | 6 675 |
| (3398) | 1994 04 11.49931 | 15 16 29.48 | +03 27 47.7 | | 2 675 | (3561) | 1955 12 18.29757 | 04 52 57.76 | +14 04 17.3 | | 6 675 |
| (3398) | 1994 04 13.39444 | 15 14 25.02 | +03 25 09.7 | | 2 675 | (3567) | 1953 11 30.10035 | 23 03 21.37 | +02 58 21.7 | | 6 675 |
| (3398) | 1994 04 13.42135 | 15 14 23.17 | +03 25 07.4 | | 2 675 | (3567) | 1953 11 30.12431 | 23 03 23.01 | +02 58 25.5 | | 6 675 |
| (3409) | 1994 02 10.43454 | 11 21 13.32 | +02 30 16.6 | | 9 675 | (3573) | 1994 02 14.35104 | 08 32 45.06 | +15 01 00.8 | 16.5 | 9 675 |
| (3409) | 1994 02 10.47152 | 11 21 11.96 | +02 30 24.5 | | 9 675 | (3573) | 1994 02 14.38923 | 08 32 42.93 | +15 01 06.4 | | 9 675 |
| (3422) | 1994 04 04.14947 | 08 29 15.65 | +27 19 32.9 | | 9 675 | (3582) | 1984 04 29.31875 | 13 48 03.03 | -02 39 17.5 | | 9 675 |
| (3422) | 1994 04 04.19756 | 08 29 16.20 | +27 19 31.2 | | 9 675 | (3582) | 1984 04 29.33819 | 13 48 01.97 | -02 39 15.0 | | 9 675 |
| (3422) | 1994 04 04.28090 | 08 29 17.25 | +27 19 26.6 | | 9 675 | (3590) | 1994 02 11.22638 | 08 23 28.90 | +20 07 49.5 | | 9 675 |
| (3424) | 1994 02 11.22638 | 08 30 35.23 | +15 29 11.8 | | 9 675 | (3590) | 1994 02 11.27482 | 08 23 26.28 | +20 08 10.5 | | 9 675 |
| (3424) | 1994 02 11.27482 | 08 30 32.75 | +15 29 29.1 | | 9 675 | (3590) | 1994 02 14.35104 | 08 20 55.56 | +20 30 00.4 | | 9 675 |
| (3424) | 1994 02 14.35104 | 08 28 03.66 | +15 48 13.0 | | 9 675 | (3590) | 1994 02 14.38923 | 08 20 53.71 | +20 30 16.1 | | 9 675 |
| (3424) | 1994 02 14.38923 | 08 28 01.78 | +15 48 25.7 | | 9 675 | (3613) | 1984 04 29.31875 | 13 43 02.23 | -01 16 41.8 | | 9 675 |
| (3427) | 1954 11 23.38472 | 06 15 43.69 | +27 02 43.3 | | 6 675 | (3613) | 1984 04 29.33819 | 13 43 01.14 | -01 16 40.2 | | 9 675 |
| (3427) | 1954 11 23.40868 | 06 15 42.69 | +27 02 43.9 | | 6 675 | (3627) | 1984 04 30.16181 | 13 27 05.40 | +07 48 27.9 | | 9 675 |
| (3453) | 1994 02 12.32326 | 09 23 14.17 | +12 39 15.8 | | 9 675 | (3627) | 1984 04 30.18681 | 13 27 03.97 | +07 48 20.8 | | 9 675 |
| (3453) | 1994 02 12.36094 | 09 23 11.59 | +12 39 22.7 | | 9 675 | (3627) | 1984 05 27.16945 | 13 15 08.72 | +04 54 45.0 | | 9 675 |
| (3453) | 1994 02 15.31267 | 09 20 06.95 | +12 48 30.3 | | 9 675 | (3627) | 1984 05 27.19514 | 13 15 08.65 | +04 54 28.2 | | 9 675 |
| (3453) | 1994 02 15.34861 | 09 20 04.62 | +12 48 36.7 | | 9 675 | (3689) | 1953 10 01.28507 | 23 07 01.45 | +01 41 11.3 | | 6 675 |

| | | | | | | | | | |
|--------|------------------|-------------|-------------|-------|--------|------------------|-------------|-------------|------------|
| (3689) | 1953 10 01.30833 | 23 07 00.68 | +01 41 00.0 | 6 675 | (4190) | 1984 04 29.33819 | 13 42 50.41 | -06 01 00.3 | 9 675 |
| (3696) | 1994 02 12.32326 | 09 33 00.08 | +12 11 26.1 | 9 675 | (4211) | 1954 12 22.41667 | 08 37 02.42 | +19 23 02.2 | 6 675 |
| (3696) | 1994 02 12.36094 | 09 32 58.11 | +12 11 30.7 | 9 675 | (4211) | 1954 12 22.43993 | 08 37 01.71 | +19 23 03.1 | 6 675 |
| (3715) | 1994 02 12.32326 | 09 16 48.30 | +14 45 20.3 | 9 675 | (4220) | 1953 11 30.12431 | 22 53 45.42 | -01 55 59.4 | 6 675 |
| (3715) | 1994 02 12.36094 | 09 16 46.00 | +14 45 36.4 | 9 675 | (4227) | 1994 02 10.43454 | 11 23 54.27 | +06 00 22.1 | 9 675 |
| (3715) | 1994 02 15.31267 | 09 13 54.57 | +15 07 11.2 | 9 675 | (4227) | 1994 02 10.47152 | 11 23 53.16 | +06 00 33.5 | 9 675 |
| (3715) | 1994 02 15.34861 | 09 13 52.41 | +15 07 26.9 | 9 675 | (4234) | 1994 02 12.32326 | 09 17 11.11 | +18 14 05.3 | 9 675 |
| (3744) | 1955 04 20.21181 | 11 31 55.34 | -00 56 53.7 | 6 675 | (4234) | 1994 02 12.36094 | 09 17 09.34 | +18 14 12.5 | 9 675 |
| (3744) | 1955 04 20.23716 | 11 31 54.75 | -00 56 47.8 | 6 675 | (4234) | 1994 02 15.31267 | 09 14 49.91 | +18 24 13.3 | 9 675 |
| (3756) | 1953 10 01.28507 | 23 24 00.40 | +01 02 44.4 | 6 675 | (4234) | 1994 02 15.34861 | 09 14 48.26 | +18 24 22.3 | 9 675 |
| (3756) | 1953 10 01.30833 | 23 23 59.41 | +01 02 34.3 | 6 675 | (4246) | 1994 04 04.14947 | 08 11 39.15 | +23 45 26.9 | 9 675 |
| (3765) | 1994 02 10.43454 | 11 22 36.74 | +02 24 25.9 | 9 675 | (4246) | 1994 04 04.19756 | 08 11 40.32 | +23 45 18.8 | 9 675 |
| (3765) | 1994 02 10.47152 | 11 22 35.54 | +02 24 33.4 | 9 675 | (4246) | 1994 04 04.28090 | 08 11 42.50 | +23 45 00.7 | 9 675 |
| (3766) | 1984 04 29.31875 | 13 32 51.73 | -07 27 55.6 | 9 675 | (4252) | 1984 04 30.16181 | 13 19 19.28 | +08 10 04.2 | 9 675 |
| (3766) | 1984 04 29.33819 | 13 32 51.02 | -07 27 49.7 | 9 675 | (4252) | 1984 04 30.18681 | 13 19 18.33 | +08 10 13.8 | 9 675 |
| (3785) | 1994 02 10.43454 | 11 38 17.86 | +02 59 04.7 | 9 675 | (4252) | 1984 05 27.16945 | 13 11 51.77 | +09 02 23.1 | 9 675 |
| (3785) | 1994 02 10.47152 | 11 38 16.87 | +02 59 13.0 | 9 675 | (4252) | 1984 05 27.19514 | 13 11 51.79 | +09 02 22.7 | 9 675 |
| (3819) | 1984 03 29.37569 | 13 35 29.02 | -01 36 17.9 | 9 675 | (4265) | 1984 04 29.31875 | 13 37 48.22 | -03 10 04.2 | 9 675 |
| (3819) | 1984 03 29.39514 | 13 35 27.96 | -01 36 18.3 | 9 675 | (4299) | 1994 04 04.14947 | 08 17 28.73 | +23 52 04.5 | 9 675 |
| (3819) | 1984 03 30.37292 | 13 34 40.07 | -01 33 20.5 | 9 675 | (4299) | 1994 04 04.19756 | 08 17 30.35 | +23 51 58.3 | 9 675 |
| (3834) | 1984 04 30.16181 | 13 14 37.66 | +05 48 55.1 | 9 675 | (4299) | 1994 04 04.28090 | 08 17 33.27 | +23 51 46.5 | 9 675 |
| (3839) | 1993 01 24.43733 | 10 09 44.80 | +07 05 31.7 | 9 675 | (4320) | 1953 10 01.28507 | 23 19 25.88 | -01 29 17.2 | 6 675 |
| (3839) | 1993 01 24.47278 | 10 09 43.22 | +07 05 38.4 | 9 675 | (4320) | 1953 10 01.30833 | 23 19 24.44 | -01 29 30.7 | 6 675 |
| (3956) | 1993 01 24.43733 | 10 19 39.88 | +03 00 09.1 | 9 675 | (4323) | 1993 01 24.43733 | 10 09 01.83 | +04 56 31.4 | 17.8 9 675 |
| (3956) | 1993 01 24.47278 | 10 19 38.23 | +03 00 13.2 | 9 675 | (4323) | 1993 01 24.47278 | 10 08 59.99 | +04 56 36.1 | 9 675 |
| (3963) | 1994 03 14.42396 | 13 01 34.44 | -01 22 32.0 | 9 675 | (4344) | 1954 12 22.41667 | 08 34 54.24 | +18 41 13.1 | 6 675 |
| (3963) | 1994 03 14.47882 | 13 01 31.90 | -01 22 13.0 | 9 675 | (4344) | 1954 12 22.43993 | 08 34 53.65 | +18 41 13.9 | 6 675 |
| (3968) | 1994 02 12.32326 | 09 28 25.77 | +13 08 53.0 | 9 675 | (4387) | 1994 02 11.22638 | 08 25 59.31 | +20 30 17.1 | 9 675 |
| (3968) | 1994 02 12.36094 | 09 28 23.18 | +13 08 58.2 | 9 675 | (4387) | 1994 02 11.27482 | 08 25 56.64 | +20 30 31.3 | 9 675 |
| (3968) | 1994 02 15.31267 | 09 25 08.57 | +13 16 07.7 | 9 675 | (4387) | 1994 02 14.35104 | 08 23 19.31 | +20 44 46.1 | 16.8 9 675 |
| (3968) | 1994 02 15.34861 | 09 25 06.10 | +13 16 12.4 | 9 675 | (4387) | 1994 02 14.38923 | 08 23 17.36 | +20 44 55.7 | 9 675 |
| (3993) | 1994 02 10.43454 | 11 19 36.90 | +00 30 26.2 | 9 675 | (4398) | 1984 04 29.27708 | 13 05 04.36 | +01 50 40.8 | 9 675 |
| (3993) | 1994 02 10.47152 | 11 19 35.47 | +00 30 34.8 | 9 675 | (4398) | 1984 04 29.29931 | 13 05 03.36 | +01 50 43.7 | 9 675 |
| (3994) | 1994 04 04.14947 | 08 29 03.77 | +23 30 24.6 | 9 675 | (4408) | 1955 04 20.21181 | 11 21 41.20 | -00 04 18.9 | 6 675 |
| (3994) | 1994 04 04.19756 | 08 29 04.28 | +23 30 18.5 | 9 675 | (4408) | 1955 04 20.23716 | 11 21 40.48 | -00 04 10.5 | 6 675 |
| (3994) | 1994 04 04.28090 | 08 29 04.95 | +23 30 07.4 | 9 675 | (4415) | 1994 02 14.35104 | 08 19 16.45 | +20 38 58.4 | 9 675 |
| (4012) | 1993 01 24.43733 | 10 28 11.03 | +02 00 58.5 | 9 675 | (4426) | 1994 02 11.22638 | 08 22 41.22 | +16 22 21.9 | 9 675 |
| (4012) | 1993 01 24.47278 | 10 28 09.46 | +02 01 02.4 | 9 675 | (4426) | 1994 02 11.27482 | 08 22 38.79 | +16 22 30.8 | 9 675 |
| (4040) | 1994 02 10.43454 | 11 31 12.36 | +06 43 00.3 | 9 675 | (4426) | 1994 02 14.35104 | 08 20 12.47 | +16 31 32.0 | 9 675 |
| (4040) | 1994 02 10.47152 | 11 31 10.97 | +06 43 10.8 | 9 675 | (4426) | 1994 02 14.38923 | 08 20 10.67 | +16 31 38.8 | 9 675 |
| (4067) | 1953 10 01.28507 | 23 14 37.75 | +00 43 23.3 | 6 675 | (4479) | 1994 02 11.22638 | 08 07 11.44 | +16 08 55.9 | 17.8 9 675 |
| (4067) | 1953 10 01.30833 | 23 14 36.57 | +00 43 19.4 | 6 675 | (4479) | 1994 02 11.27482 | 08 07 09.11 | +16 09 09.2 | 9 675 |
| (4082) | 1993 01 24.47278 | 10 21 56.81 | +02 14 17.8 | 9 675 | (4481) | 1994 02 12.32326 | 09 18 19.31 | +17 35 57.2 | 9 675 |
| (4091) | 1984 04 29.31875 | 13 57 07.48 | -05 53 40.2 | 9 675 | (4481) | 1994 02 12.36094 | 09 18 16.92 | +17 36 07.2 | 9 675 |
| (4091) | 1984 04 29.33819 | 13 57 06.33 | -05 53 39.2 | 9 675 | (4481) | 1994 02 15.31267 | 09 15 16.60 | +17 50 04.8 | 9 675 |
| (4095) | 1953 10 01.28507 | 23 27 46.20 | +02 04 15.0 | 6 675 | (4481) | 1994 02 15.34861 | 09 15 14.45 | +17 50 16.5 | 9 675 |
| (4095) | 1953 10 01.30833 | 23 27 45.17 | +02 04 06.1 | 6 675 | (4496) | 1955 12 18.27569 | 04 45 40.00 | +14 52 38.2 | 17.8 6 675 |
| (4116) | 1994 04 03.28021 | 12 44 58.59 | +02 21 43.2 | 9 675 | (4496) | 1955 12 18.29757 | 04 45 38.81 | +14 52 36.7 | 6 675 |
| (4116) | 1994 04 03.31944 | 12 44 56.70 | +02 22 55.9 | 9 675 | (4499) | 1953 11 30.10035 | 23 03 32.37 | +00 03 27.0 | 6 675 |
| (4185) | 1953 10 01.28507 | 23 26 02.06 | +00 28 23.2 | 6 675 | (4499) | 1953 11 30.12431 | 23 03 33.34 | +00 03 33.5 | 6 675 |
| (4185) | 1953 10 01.30833 | 23 26 00.79 | +00 28 15.1 | 6 675 | (4549) | 1994 02 15.48594 | 12 00 04.51 | +03 41 20.4 | 9 675 |
| (4190) | 1984 04 29.31875 | 13 42 51.22 | -06 01 11.5 | 9 675 | (4549) | 1994 02 15.52708 | 12 00 03.05 | +03 41 31.4 | 9 675 |

| | | | | | | | | | | |
|--------|------------------|-------------|-------------|--------------|--------|------------------|-------------|-------------|--------|-------|
| (4576) | 1994 03 14.42396 | 13 17 00.58 | -02 01 44.2 | 9 675 | (4890) | 1994 03 14.42396 | 13 16 27.89 | -01 11 42.2 | 16.8 | 9 675 |
| (4576) | 1994 03 14.47882 | 13 16 58.70 | -02 01 23.1 | 9 675 | (4890) | 1994 03 14.47882 | 13 16 25.62 | -01 11 22.5 | | 9 675 |
| (4576) | 1994 04 03.28021 | 13 04 17.14 | +00 13 45.2 | 9 675 | (4890) | 1994 04 03.28021 | 12 59 35.31 | +00 58 14.4 | | 9 675 |
| (4576) | 1994 04 03.31944 | 13 04 15.43 | +00 14 00.9 | 9 675 | (4890) | 1994 04 03.31944 | 12 59 32.91 | +00 58 29.3 | | 9 675 |
| (4578) | 1994 02 15.48594 | 12 03 31.65 | +05 15 26.5 | 9 675 | (4896) | 1994 02 15.39149 | 10 54 12.62 | -16 41 29.7 | 17.8 | 9 675 |
| (4578) | 1994 02 15.52708 | 12 03 30.82 | +05 15 42.6 | 18.0 9 675 | (4896) | 1994 02 15.43420 | 10 54 10.78 | -16 41 26.8 | | 9 675 |
| (4597) | 1994 03 14.42396 | 13 22 06.17 | -00 58 24.6 | 9 675 | (4906) | 1954 11 23.38472 | 06 04 18.80 | +21 38 58.1 | | 6 675 |
| (4597) | 1994 03 14.47882 | 13 22 04.19 | -00 58 10.6 | 9 675 | (4916) | 1984 04 30.16181 | 13 01 47.76 | +06 10 32.6 | | 9 675 |
| (4606) | 1953 10 01.28507 | 23 15 47.95 | -00 25 58.7 | 6 675 | (4916) | 1984 04 30.18681 | 13 01 47.03 | +06 10 36.6 | | 9 675 |
| (4606) | 1953 10 01.30833 | 23 15 46.71 | -00 26 07.0 | 6 675 | (4929) | 1984 04 29.31875 | 13 41 08.54 | -05 26 03.7 | 16.5 V | 9 675 |
| (4613) | 1984 04 29.31875 | 13 49 48.15 | -02 17 47.1 | 9 675 | (4929) | 1984 04 29.33819 | 13 41 07.28 | -05 25 59.5 | | 9 675 |
| (4613) | 1984 04 29.33819 | 13 49 47.31 | -02 17 39.8 | 9 675 | (4967) | 1994 04 04.14947 | 08 33 59.48 | +24 32 11.8 | | 9 675 |
| (4648) | 1953 11 30.10035 | 22 57 10.21 | +03 42 22.3 | 6 675 | (4967) | 1994 04 04.28090 | 08 34 00.89 | +24 32 17.7 | | 9 675 |
| (4648) | 1953 11 30.12431 | 22 57 11.49 | +03 42 28.5 | 6 675 | (5010) | 1994 02 13.31944 | 08 36 08.05 | +03 31 42.1 | | 9 675 |
| (4656) | 1994 02 11.22638 | 08 36 05.05 | +20 50 57.0 | 18.5 9 675 | (5010) | 1994 02 13.36493 | 08 36 05.86 | +03 32 06.3 | | 9 675 |
| (4656) | 1994 02 11.27482 | 08 36 02.57 | +20 51 03.2 | 9 675 | (5014) | 1984 03 29.37569 | 13 27 58.35 | -05 31 33.6 | | 9 675 |
| (4656) | 1994 02 14.35104 | 08 33 31.85 | +20 58 02.3 | 18.2 9 675 | (5014) | 1984 03 29.39514 | 13 27 57.47 | -05 31 28.9 | | 9 675 |
| (4656) | 1994 02 14.38923 | 08 33 29.94 | +20 58 09.7 | 9 675 | (5014) | 1984 03 30.37292 | 13 27 16.74 | -05 27 00.4 | | 9 675 |
| (4662) | 1984 04 29.31875 | 13 45 16.42 | -02 40 40.7 | 16.5 V 9 675 | (5014) | 1984 03 30.39236 | 13 27 15.53 | -05 26 55.3 | | 9 675 |
| (4662) | 1984 04 29.33819 | 13 45 15.61 | -02 40 36.2 | 9 675 | (5014) | 1984 04 29.27708 | 13 05 09.65 | -03 15 45.8 | 16.2 V | 9 675 |
| (4665) | 1993 01 24.43733 | 10 01 02.58 | +01 38 37.0 | 18.8 9 675 | (5014) | 1984 04 29.29931 | 13 05 08.67 | -03 15 41.3 | | 9 675 |
| (4665) | 1993 01 24.47278 | 10 01 01.26 | +01 38 41.1 | 9 675 | (5014) | 1994 02 14.35104 | 08 25 55.41 | +20 31 43.8 | | 9 675 |
| (4668) | 1953 11 30.10035 | 22 54 26.56 | +02 36 15.7 | 6 675 | (5014) | 1994 02 14.38923 | 08 25 53.71 | +20 31 50.6 | | 9 675 |
| (4668) | 1953 11 30.12431 | 22 54 27.61 | +02 36 21.0 | 6 675 | (5019) | 1953 11 30.10035 | 22 55 20.04 | -01 08 28.8 | | 6 675 |
| (4714) | 1955 04 20.21181 | 11 19 01.32 | -01 31 14.1 | 6 675 | (5019) | 1953 11 30.12431 | 22 55 21.09 | -01 08 26.4 | | 6 675 |
| (4714) | 1955 04 20.23716 | 11 19 00.61 | -01 31 11.6 | 6 675 | (5019) | 1993 01 24.43733 | 10 12 57.06 | +01 19 16.3 | | 9 675 |
| (4726) | 1953 10 01.28507 | 23 17 18.93 | -01 30 21.5 | 6 675 | (5019) | 1993 01 24.47278 | 10 12 55.66 | +01 19 16.2 | | 9 675 |
| (4726) | 1953 10 01.30833 | 23 17 17.86 | -01 30 26.1 | 6 675 | (5029) | 1994 04 03.28021 | 12 45 31.85 | +05 31 14.4 | | 9 675 |
| (4754) | 1994 02 10.43454 | 11 39 47.38 | +05 35 40.7 | 9 675 | (5061) | 1953 11 30.10035 | 23 05 38.72 | +02 54 36.8 | | 6 675 |
| (4754) | 1994 02 10.47152 | 11 39 46.64 | +05 35 49.4 | 9 675 | (5061) | 1953 11 30.12431 | 23 05 39.55 | +02 54 36.1 | | 6 675 |
| (4760) | 1955 01 15.17569 | 02 59 22.05 | +04 59 47.8 | 6 675 | (5068) | 1953 11 30.10035 | 22 42 51.35 | -01 33 42.9 | | 6 675 |
| (4767) | 1953 10 01.28507 | 23 16 52.28 | +02 09 19.0 | 6 675 | (5068) | 1953 11 30.12431 | 22 42 52.53 | -01 33 42.5 | | 6 675 |
| (4767) | 1953 10 01.30833 | 23 16 51.36 | +02 09 05.7 | 6 675 | (5086) | 1993 01 24.43733 | 10 18 25.64 | +06 32 35.5 | | 9 675 |
| (4777) | 1994 02 10.43454 | 11 30 21.40 | +01 54 09.6 | 9 675 | (5086) | 1993 01 24.47278 | 10 18 24.19 | +06 32 43.7 | | 9 675 |
| (4777) | 1994 02 10.47152 | 11 30 19.89 | +01 54 18.4 | 9 675 | (5130) | 1994 02 15.24427 | 08 57 24.61 | -02 13 29.3 | | 9 675 |
| (4798) | 1954 12 22.41667 | 08 36 25.93 | +20 27 59.4 | 6 675 | (5130) | 1994 02 15.27708 | 08 57 23.68 | -02 13 24.0 | | 9 675 |
| (4798) | 1954 12 22.43993 | 08 36 25.10 | +20 28 04.1 | 6 675 | (5136) | 1954 12 22.41667 | 08 33 16.63 | +19 58 28.1 | | 6 675 |
| (4818) | 1994 02 11.22638 | 08 35 52.38 | +16 02 09.6 | 9 675 | (5136) | 1954 12 22.43993 | 08 33 15.93 | +19 58 34.0 | | 6 675 |
| (4818) | 1994 02 11.27482 | 08 35 49.36 | +16 02 24.1 | 9 675 | (5154) | 1994 03 14.42396 | 13 07 22.89 | -03 11 14.0 | 17.8 | 9 675 |
| (4818) | 1994 02 14.35104 | 08 32 47.76 | +16 17 38.0 | 9 675 | (5154) | 1994 03 14.47882 | 13 07 20.86 | -03 11 02.4 | | 9 675 |
| (4818) | 1994 02 14.38923 | 08 32 45.58 | +16 17 48.9 | 9 675 | (5154) | 1994 04 03.28021 | 12 53 27.43 | -01 44 42.7 | | 9 675 |
| (4819) | 1953 10 01.28507 | 23 29 51.48 | -00 12 55.5 | 6 675 | (5154) | 1994 04 03.31944 | 12 53 25.67 | -01 44 32.5 | | 9 675 |
| (4819) | 1953 10 01.30833 | 23 29 50.17 | -00 12 59.5 | 6 675 | (5156) | 1994 03 14.42396 | 13 24 54.84 | -00 37 00.0 | | 9 675 |
| (4841) | 1994 02 12.32326 | 09 06 33.70 | +15 39 28.8 | 9 675 | (5156) | 1994 03 14.47882 | 13 24 52.91 | -00 36 36.1 | | 9 675 |
| (4841) | 1994 02 12.36094 | 09 06 31.48 | +15 39 42.8 | 9 675 | (5171) | 1953 11 30.10035 | 22 51 32.92 | -00 20 08.2 | | 6 675 |
| (4841) | 1994 02 15.31267 | 09 03 44.94 | +15 59 01.4 | 9 675 | (5171) | 1953 11 30.12431 | 22 51 34.56 | -00 19 58.5 | | 6 675 |
| (4841) | 1994 02 15.34861 | 09 03 42.91 | +15 59 16.1 | 9 675 | (5171) | 1993 03 24.21649 | 10 21 15.49 | +05 47 46.4 | | 9 675 |
| (4852) | 1984 04 29.33819 | 13 46 27.33 | -08 35 09.9 | 9 675 | (5171) | 1993 03 24.25521 | 10 21 13.75 | +05 47 53.2 | | 9 675 |
| (4853) | 1994 02 11.22638 | 08 21 37.20 | +15 56 01.9 | 9 675 | (5195) | 1955 04 20.21181 | 11 22 46.09 | +01 12 07.5 | | 6 675 |
| (4853) | 1994 02 11.27482 | 08 21 34.57 | +15 56 18.4 | 9 675 | (5195) | 1993 03 24.21649 | 10 18 20.74 | +05 48 04.6 | | 9 675 |
| (4853) | 1994 02 14.35104 | 08 18 58.88 | +16 12 38.0 | 9 675 | (5203) | 1993 03 24.21649 | 10 15 40.15 | +07 07 44.0 | 17.8 | 9 675 |
| (4887) | 1954 11 23.42431 | 06 26 07.87 | +23 57 07.0 | 6 675 | (5203) | 1993 03 24.25521 | 10 15 38.30 | +07 07 54.1 | | 9 675 |

| | | | | | | | | | | | |
|--------|------------------|-------------|-------------|------|-------|--------|------------------|-------------|-------------|------|-------|
| (5233) | 1994 02 12.32326 | 09 20 19.53 | +15 15 53.6 | | 9 675 | (5511) | 1955 12 18.29757 | 05 03 23.84 | +09 17 27.6 | | 6 675 |
| (5233) | 1994 02 12.36094 | 09 20 18.44 | +15 16 00.2 | 18.8 | 9 675 | (5533) | 1994 02 10.43454 | 11 49 35.16 | +01 52 27.3 | | 9 675 |
| (5233) | 1994 02 15.31267 | 09 18 45.24 | +15 24 24.7 | 18.8 | 9 675 | (5541) | 1953 10 01.28507 | 23 13 25.83 | +01 37 26.9 | | 6 675 |
| (5233) | 1994 02 15.34861 | 09 18 44.08 | +15 24 29.8 | | 9 675 | (5541) | 1953 10 01.30833 | 23 13 25.06 | +01 37 14.4 | | 6 675 |
| (5249) | 1994 02 15.48594 | 11 55 59.56 | +02 51 52.4 | | 9 675 | (5593) | 1984 03 29.37569 | 13 55 00.34 | -06 16 48.0 | | 9 675 |
| (5249) | 1994 02 15.52708 | 11 55 58.50 | +02 52 01.8 | | 9 675 | (5593) | 1984 03 29.39514 | 13 54 59.48 | -06 16 38.3 | | 9 675 |
| (5272) | 1955 12 18.27569 | 05 06 28.00 | +14 55 42.3 | | 6 675 | (5593) | 1984 03 30.37292 | 13 54 17.31 | -06 08 43.3 | | 9 675 |
| (5272) | 1955 12 18.29757 | 05 06 26.59 | +14 55 44.5 | | 6 675 | (5593) | 1984 03 30.39236 | 13 54 16.58 | -06 08 36.9 | | 9 675 |
| (5312) | 1994 02 11.22638 | 08 27 59.85 | +21 23 22.5 | | 9 675 | (5593) | 1984 04 29.27708 | 13 28 59.14 | -02 18 51.8 | | 9 675 |
| (5312) | 1994 02 14.35104 | 08 25 39.43 | +21 32 07.6 | | 9 675 | (5593) | 1984 04 29.29931 | 13 28 58.11 | -02 18 44.9 | | 9 675 |
| (5312) | 1994 02 14.38923 | 08 25 37.70 | +21 32 11.5 | | 9 675 | (5593) | 1984 04 29.31875 | 13 28 57.19 | -02 18 36.4 | | 9 675 |
| (5319) | 1955 12 18.27569 | 05 03 29.93 | +14 12 15.5 | | 6 675 | (5593) | 1984 04 29.33819 | 13 28 56.19 | -02 18 28.7 | | 9 675 |
| (5319) | 1955 12 18.29757 | 05 03 28.53 | +14 12 13.1 | | 6 675 | (5619) | 1994 03 14.42396 | 13 05 41.72 | +01 17 22.4 | | 9 675 |
| (5338) | 1994 03 14.42396 | 13 24 04.78 | -03 48 27.9 | | 9 675 | (5619) | 1994 03 14.47882 | 13 05 39.66 | +01 18 04.3 | | 9 675 |
| (5338) | 1994 03 14.47882 | 13 24 02.85 | -03 48 14.0 | | 9 675 | (5619) | 1994 04 03.28021 | 12 51 42.68 | +05 36 42.5 | | 9 675 |
| (5348) | 1993 01 24.43733 | 10 29 01.86 | +04 52 52.3 | | 9 675 | (5619) | 1994 04 03.31944 | 12 51 40.85 | +05 37 13.1 | | 9 675 |
| (5348) | 1993 01 24.47278 | 10 29 00.55 | +04 52 49.4 | | 9 675 | (5638) | 1994 02 12.32326 | 09 18 17.30 | +11 37 57.8 | | 9 675 |
| (5350) | 1954 12 22.41667 | 08 39 58.31 | +19 26 13.8 | | 6 675 | (5638) | 1994 02 12.36094 | 09 18 16.20 | +11 38 03.7 | 18.2 | 9 675 |
| (5350) | 1954 12 22.43993 | 08 39 57.48 | +19 26 14.0 | | 6 675 | (5638) | 1994 02 15.31267 | 09 16 49.28 | +11 48 13.8 | 18.2 | 9 675 |
| (5359) | 1994 02 10.43454 | 11 43 40.38 | +04 18 48.0 | | 9 675 | (5638) | 1994 02 15.34861 | 09 16 48.14 | +11 48 23.2 | | 9 675 |
| (5359) | 1994 02 10.47152 | 11 43 38.92 | +04 18 59.6 | | 9 675 | (5652) | 1955 04 20.21181 | 11 25 44.14 | +01 20 24.8 | | 6 675 |
| (5361) | 1984 04 29.31875 | 13 42 04.97 | -01 06 58.0 | | 9 675 | (5652) | 1955 04 20.23716 | 11 25 43.66 | +01 20 27.5 | | 6 675 |
| (5361) | 1984 04 29.33819 | 13 42 04.01 | -01 06 55.3 | | 9 675 | (5665) | 1953 11 30.12431 | 22 51 29.93 | -02 17 08.8 | | 6 675 |
| (5365) | 1994 02 11.22638 | 08 26 34.33 | +21 20 50.9 | 18.8 | 9 675 | (5668) | 1994 04 04.14947 | 08 26 09.30 | +26 03 08.5 | | 9 675 |
| (5365) | 1994 02 11.27482 | 08 26 31.21 | +21 21 02.6 | | 9 675 | (5668) | 1994 04 04.19756 | 08 26 11.28 | +26 02 47.0 | | 9 675 |
| (5365) | 1994 02 14.35104 | 08 23 29.25 | +21 31 37.7 | | 9 675 | (5668) | 1994 04 04.28090 | 08 26 14.97 | +26 02 10.1 | | 9 675 |
| (5365) | 1994 02 14.38923 | 08 23 27.01 | +21 31 44.8 | | 9 675 | (5695) | 1984 03 29.37569 | 13 44 00.75 | -01 55 13.0 | | 9 675 |
| (5366) | 1994 02 12.32326 | 09 25 50.07 | +13 05 43.1 | | 9 675 | (5695) | 1984 03 29.39514 | 13 43 59.92 | -01 55 00.5 | | 9 675 |
| (5366) | 1994 02 12.36094 | 09 25 47.66 | +13 05 57.7 | | 9 675 | (5695) | 1984 03 30.37292 | 13 43 18.63 | -01 45 55.0 | | 9 675 |
| (5366) | 1994 02 15.31267 | 09 22 47.03 | +13 24 27.3 | | 9 675 | (5695) | 1984 03 30.39236 | 13 43 17.81 | -01 45 45.6 | | 9 675 |
| (5366) | 1994 02 15.34861 | 09 22 44.72 | +13 24 40.7 | | 9 675 | (5715) | 1953 11 30.10035 | 22 59 22.75 | -01 40 02.4 | | 6 675 |
| (5377) | 1994 02 12.32326 | 09 38 21.79 | +15 41 46.8 | | 9 675 | (5715) | 1953 11 30.12431 | 22 59 23.78 | -01 39 57.4 | | 6 675 |
| (5377) | 1994 02 12.36094 | 09 38 19.17 | +15 41 54.1 | | 9 675 | (5715) | 1954 11 23.38472 | 06 23 09.33 | +25 19 30.4 | | 6 675 |
| (5377) | 1994 02 15.31267 | 09 35 01.00 | +15 51 51.9 | | 9 675 | (5715) | 1954 11 23.40868 | 06 23 08.22 | +25 19 29.9 | | 6 675 |
| (5377) | 1994 02 15.34861 | 09 34 58.50 | +15 51 58.3 | | 9 675 | (5720) | 1984 04 30.16181 | 13 30 11.15 | +07 42 13.7 | | 9 675 |
| (5414) | 1994 02 12.32326 | 09 14 32.43 | +18 57 23.1 | | 9 675 | (5720) | 1984 04 30.18681 | 13 30 09.21 | +07 41 54.1 | | 9 675 |
| (5414) | 1994 02 12.36094 | 09 14 30.46 | +18 57 30.5 | | 9 675 | (5743) | 1953 10 01.28507 | 23 28 37.58 | -00 49 21.5 | | 6 675 |
| (5414) | 1994 02 15.31267 | 09 11 58.56 | +19 07 21.7 | | 9 675 | (5743) | 1953 10 01.30833 | 23 28 36.24 | -00 49 28.1 | | 6 675 |
| (5414) | 1994 02 15.34861 | 09 11 56.74 | +19 07 28.9 | 18.8 | 9 675 | (5801) | 1953 10 01.28507 | 23 15 01.87 | +01 55 50.9 | | 6 675 |
| (5428) | 1954 12 22.41667 | 08 32 47.57 | +18 18 02.4 | | 6 675 | (5801) | 1953 10 01.30833 | 23 15 00.68 | +01 55 44.4 | | 6 675 |
| (5428) | 1954 12 22.43993 | 08 32 46.95 | +18 18 02.5 | | 6 675 | (5802) | 1994 02 15.31267 | 09 24 07.87 | +19 36 47.8 | | 9 675 |
| (5439) | 1994 02 12.32326 | 09 21 41.54 | +16 23 03.4 | | 9 675 | (5802) | 1994 02 15.34861 | 09 24 05.70 | +19 36 55.2 | | 9 675 |
| (5439) | 1994 02 12.36094 | 09 21 40.01 | +16 23 09.5 | | 9 675 | (5807) | 1994 02 11.22638 | 08 28 45.05 | +19 02 15.1 | | 9 675 |
| (5439) | 1994 02 15.31267 | 09 19 48.46 | +16 31 12.8 | | 9 675 | (5807) | 1994 02 11.27482 | 08 28 42.82 | +19 02 25.3 | | 9 675 |
| (5439) | 1994 02 15.34861 | 09 19 47.13 | +16 31 20.8 | | 9 675 | (5807) | 1994 02 14.35104 | 08 26 26.61 | +19 11 45.3 | | 9 675 |
| (5476) | 1994 02 15.24427 | 08 49 11.11 | +02 27 51.3 | | 9 675 | (5807) | 1994 02 14.38923 | 08 26 24.88 | +19 11 52.3 | | 9 675 |
| (5476) | 1994 02 15.27708 | 08 49 10.21 | +02 27 57.1 | | 9 675 | (5817) | 1994 04 04.14947 | 08 19 48.94 | +26 06 06.5 | | 9 675 |
| (5488) | 1955 01 15.15764 | 02 55 33.12 | +08 26 53.7 | | 6 675 | (5817) | 1994 04 04.19756 | 08 19 51.40 | +26 05 22.5 | | 9 675 |
| (5488) | 1955 01 15.17569 | 02 55 33.47 | +08 27 02.2 | | 6 675 | (5817) | 1994 04 04.28090 | 08 19 55.59 | +26 04 04.6 | | 9 675 |
| (5511) | 1955 01 15.15243 | 02 53 38.91 | +05 41 08.2 | | 6 675 | (5817) | 1994 04 05.24896 | 08 20 46.99 | +25 49 12.5 | | 9 675 |
| (5511) | 1955 01 15.17569 | 02 53 39.01 | +05 41 11.7 | 18.5 | 6 675 | (5817) | 1994 04 05.26736 | 08 20 47.99 | +25 48 56.6 | | 9 675 |
| (5511) | 1955 12 18.27569 | 05 03 24.57 | +09 17 27.8 | 18.5 | 6 675 | (5817) | 1994 04 06.15365 | 08 21 36.25 | +25 35 25.8 | | 9 675 |

| | | | | | | | | | | |
|--------|------------------|-------------|-------------|-------|---|-----------------------|------------------|-------------|-------------|--------|
| (5822) | 1994 04 05.24896 | 07 57 11.99 | +27 14 40.3 | 9 675 | (5920) | 1994 04 06.15365 | 08 12 45.36 | +32 02 19.0 | 16.8 | 9 675 |
| (5822) | 1994 04 06.15365 | 07 58 16.70 | +27 10 29.6 | 9 675 | (5920) | 1994 04 06.17170 | 08 12 45.76 | +32 02 10.8 | | 9 675 |
| (5822) | 1994 04 06.17170 | 07 58 17.91 | +27 10 29.6 | 9 675 | 691 Kitt Peak, Steward Observatory | | | | | |
| (5835) | 1955 04 20.21181 | 11 08 29.29 | -01 37 55.2 | 6 675 | T. Gehrels, Space Sciences Building, University of Arizona, Tucson, AZ 85721, U.S.A. | | | | | |
| (5835) | 1955 04 20.23716 | 11 08 28.72 | -01 37 47.4 | 6 675 | C. Hergenrother, Lunar and Planetary Laboratory, University of Arizona, Tucson, AZ 85721, U.S.A. | | | | | |
| (5843) | 1994 02 11.22638 | 08 33 26.04 | +18 54 59.4 | 9 675 | Observers T. Gehrels, R. Jedicke, D. L. Rabinowitz, J. V. Scotti, S. Larson, B. Marcialis | | | | | |
| (5843) | 1994 02 11.27482 | 08 33 23.07 | +18 55 13.7 | 9 675 | Measurers J. V. Scotti, C. Hergenrother | | | | | |
| (5843) | 1994 02 14.35104 | 08 30 32.89 | +19 09 27.6 | 18.0 | 0.91-m Spacewatch telescope, 2.3-m reflector + CCD | | | | | |
| (5843) | 1994 02 14.38923 | 08 30 30.79 | +19 09 38.3 | 9 675 | GSC | | | | | |
| (5856) | 1994 04 06.15365 | 07 50 29.99 | +30 35 57.9 | 9 675 | 1973 SK ₁ | 1994 04 10.22782 | 12 36 43.40 | +01 58 58.7 | 17.1 V | 691 |
| (5858) | 1953 10 01.28507 | 23 16 35.95 | +03 13 26.8 | 6 675 | 1973 SK ₁ | 1994 04 10.26894 | 12 36 41.96 | +01 59 11.2 | | 691 |
| (5858) | 1953 10 01.30833 | 23 16 34.86 | +03 13 16.3 | 16.2 | 6 675 | 1973 SK ₁ | 1994 04 10.30956 | 12 36 40.54 | +01 59 22.6 | 691 |
| (5860) | 1994 02 11.22638 | 08 09 31.55 | +18 14 08.3 | 18.0 | 9 675 | 1975 VK ₂ | 1994 04 12.27962 | 14 12 38.17 | -09 43 56.3 | 17.9 V |
| (5860) | 1994 02 11.27482 | 08 09 29.06 | +18 14 15.6 | 9 675 | 9 675 | 1975 VK ₂ | 1994 04 12.34420 | 14 12 35.27 | -09 43 42.0 | 691 |
| (5860) | 1994 02 14.35104 | 08 07 06.95 | +18 21 19.8 | 9 675 | 9 675 | 1975 VK ₂ | 1994 04 12.42109 | 14 12 31.77 | -09 43 24.7 | 691 |
| (5860) | 1994 02 14.38923 | 08 07 05.19 | +18 21 24.4 | 9 675 | 9 675 | 1976 QP | 1994 04 13.45301 | 14 29 03.98 | -15 21 11.4 | 17.7 V |
| (5862) | 1994 04 04.14947 | 08 24 46.51 | +23 29 06.5 | 9 675 | 9 675 | 1976 QP | 1994 04 13.46630 | 14 29 03.27 | -15 21 07.3 | 691 |
| (5862) | 1994 04 04.19756 | 08 24 49.12 | +23 28 53.4 | 9 675 | 9 675 | 1976 QP | 1994 04 13.47999 | 14 29 02.60 | -15 21 03.6 | 691 |
| (5874) | 1994 02 12.32326 | 09 34 21.86 | +15 58 25.9 | 16.2 | 9 675 | 1978 RG ₁ | 1994 04 15.35712 | 14 57 24.86 | -14 26 21.1 | 691 |
| (5874) | 1994 02 12.36094 | 09 34 19.64 | +15 58 46.4 | 9 675 | 9 675 | 1978 RG ₁ | 1994 04 15.39211 | 14 57 23.49 | -14 26 14.7 | 18.4 V |
| (5874) | 1994 02 15.31267 | 09 31 34.57 | +16 25 45.8 | 16.5 | 9 675 | 1978 RG ₁ | 1994 04 15.42643 | 14 57 22.10 | -14 26 07.9 | 691 |
| (5874) | 1994 02 15.34861 | 09 31 32.49 | +16 26 04.3 | 9 675 | 9 675 | 1979 HE ₃ | 1994 04 12.27504 | 14 06 01.82 | -09 27 16.6 | 17.0 V |
| (5875) | 1994 02 11.22638 | 08 27 10.83 | +14 16 44.8 | 9 675 | 9 675 | 1979 HE ₃ | 1994 04 12.33961 | 14 05 58.29 | -09 27 04.7 | 691 |
| (5875) | 1994 02 11.27482 | 08 27 07.93 | +14 16 47.7 | 9 675 | 9 675 | 1979 HE ₃ | 1994 04 12.41650 | 14 05 53.99 | -09 26 50.4 | 691 |
| (5875) | 1994 02 14.35104 | 08 24 18.46 | +14 20 08.0 | 9 675 | 9 675 | 1980 DD ₁ | 1994 04 03.23069 | 12 01 11.98 | +07 38 05.5 | 16.2 V |
| (5875) | 1994 02 14.38923 | 08 24 16.40 | +14 20 09.7 | 9 675 | 9 675 | 1980 DD ₁ | 1994 04 03.25813 | 12 01 10.47 | +07 38 07.4 | 691 |
| (5888) | 1994 02 12.32326 | 09 25 28.69 | +15 36 31.4 | 17.5 | 9 675 | 1980 DD ₁ | 1994 04 03.28478 | 12 01 08.99 | +07 38 09.1 | 691 |
| (5888) | 1994 02 12.36094 | 09 25 26.60 | +15 36 40.0 | 9 675 | 9 675 | 1981 ED ₂₂ | 1994 04 15.35590 | 14 55 39.27 | -14 00 42.5 | 691 |
| (5888) | 1994 02 15.31267 | 09 22 51.39 | +15 47 34.1 | 17.5 | 9 675 | 1981 ED ₂₂ | 1994 04 15.39089 | 14 55 37.74 | -14 00 33.4 | 18.5 V |
| (5888) | 1994 02 15.34861 | 09 22 49.43 | +15 47 42.4 | 9 675 | 9 675 | 1981 ED ₂₂ | 1994 04 15.42520 | 14 55 36.23 | -14 00 24.5 | 691 |
| (5896) | 1984 04 29.31875 | 13 36 29.42 | -04 27 17.4 | 9 675 | 9 675 | 1981 EF ₂₇ | 1994 04 15.36804 | 15 13 11.00 | -14 07 53.7 | 691 |
| (5897) | 1994 02 12.32326 | 09 31 19.50 | +13 34 21.0 | 17.5 | 9 675 | 1981 EF ₂₇ | 1994 04 15.40303 | 15 13 09.72 | -14 07 43.2 | 18.7 V |
| (5897) | 1994 02 12.36094 | 09 31 17.20 | +13 34 28.6 | 9 675 | 9 675 | 1981 EV ₂₉ | 1994 04 19.29141 | 13 10 44.37 | -10 12 12.3 | 18.2 V |
| (5897) | 1994 02 15.31267 | 09 28 23.54 | +13 44 57.7 | 17.5 | 9 675 | 1981 EV ₂₉ | 1994 04 19.29933 | 13 10 44.02 | -10 12 06.5 | 691 |
| (5897) | 1994 02 15.34861 | 09 28 21.34 | +13 45 04.3 | 9 675 | 9 675 | 1981 EV ₂₉ | 1994 04 19.30753 | 13 10 43.64 | -10 12 01.0 | 691 |
| (5899) | 1994 04 05.24896 | 08 07 40.98 | +32 16 51.8 | 18.5 | 9 675 | 1982 SL ₆ | 1994 04 06.19802 | 13 03 49.62 | -08 06 30.9 | 691 |
| (5899) | 1994 04 05.26736 | 08 07 42.11 | +32 16 54.4 | 9 675 | 9 675 | 1982 SL ₆ | 1994 04 06.22122 | 13 03 48.36 | -08 06 26.5 | 691 |
| (5899) | 1994 04 06.15365 | 08 08 40.31 | +32 18 17.7 | 9 675 | 9 675 | 1982 SL ₆ | 1994 04 06.24888 | 13 03 46.86 | -08 06 20.4 | 16.9 V |
| (5899) | 1994 04 06.17170 | 08 08 41.62 | +32 18 18.8 | 9 675 | 9 675 | 1983 JQ | 1994 04 03.39437 | 13 00 58.08 | -02 05 19.2 | 691 |
| (5900) | 1994 02 11.22638 | 08 37 49.92 | +16 30 52.0 | 18.8 | 9 675 | 1983 JQ | 1994 04 03.41799 | 13 00 57.00 | -02 05 12.2 | 16.5 V |
| (5900) | 1994 02 14.35104 | 08 35 27.14 | +16 35 23.1 | 18.5 | 9 675 | 1983 JQ | 1994 04 03.44144 | 13 00 55.94 | -02 05 05.3 | 691 |
| (5900) | 1994 02 14.38923 | 08 35 25.34 | +16 35 26.5 | 9 675 | 9 675 | 1984 TD | 1992 02 05.17280 | 08 51 07.34 | +17 37 08.7 | 691 |
| (5903) | 1994 02 10.43454 | 11 47 50.22 | +04 28 58.9 | 9 675 | 9 675 | 1984 TD | 1992 02 05.19095 | 08 51 06.44 | +17 37 12.3 | 18.7 V |
| (5903) | 1994 02 10.47152 | 11 47 49.19 | +04 29 06.7 | 9 675 | 9 675 | 1984 TD | 1992 02 05.21067 | 08 51 05.42 | +17 37 16.2 | 691 |
| (5903) | 1994 02 15.48594 | 11 45 20.24 | +04 46 59.4 | 17.5 | 9 675 | 1985 RJ ₄ | 1994 04 03.29736 | 12 07 42.56 | +00 49 27.1 | 18.8 V |
| (5903) | 1994 02 15.52708 | 11 45 18.79 | +04 47 08.6 | 9 675 | 9 675 | 1985 RJ ₄ | 1994 04 03.32639 | 12 07 41.31 | +00 49 34.3 | 691 |
| (5910) | 1984 03 29.37569 | 13 38 59.17 | -02 20 12.3 | 9 675 | 9 675 | 1985 RJ ₄ | 1994 04 03.35510 | 12 07 40.09 | +00 49 41.8 | 691 |
| (5910) | 1984 03 29.39514 | 13 38 58.29 | -02 20 07.9 | 9 675 | 9 675 | 1987 RO ₃ | 1994 04 12.23367 | 13 09 50.98 | -09 22 19.0 | 691 |
| (5910) | 1984 03 30.37292 | 13 38 07.16 | -02 13 15.7 | 9 675 | 9 675 | 1987 RO ₃ | 1994 04 12.29956 | 13 09 47.49 | -09 21 52.2 | 19.2 V |
| (5910) | 1984 03 30.39236 | 13 38 06.05 | -02 13 03.8 | 9 675 | 9 675 | | | | | |
| (5920) | 1994 04 05.24896 | 08 12 22.80 | +32 10 04.0 | 16.8 | 9 675 | | | | | |
| (5920) | 1994 04 05.26736 | 08 12 23.14 | +32 09 54.8 | 9 675 | 9 675 | | | | | |

| | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|--------|----------------------|----------------------|--------------------|-------------|-------------|--------|
| 1987 RO ₃ | 1994 04 12.37396 | 13 09 43.52 | -09 21 22.9 | 691 | 1992 AQ ₆ | 1991 10 15.48788 | 09 00 51.92 | +18 20 59.8 | 20.6 V | 691 |
| 1988 SP | 1994 04 12.26655 | 13 53 45.96 | -09 25 16.5 | 691 | 1992 AQ ₆ | * 1992 01 01.50503 | 09 21 06.58 | +17 51 40.8 | 19.6 V | 691 |
| 1988 SP | 1994 04 12.33112 | 13 53 42.27 | -09 24 57.0 | 691 | 1992 AQ ₆ | 1992 01 01.52636 | 09 21 05.97 | +17 51 44.6 | | 691 |
| 1988 SP | 1994 04 12.40800 | 13 53 37.82 | -09 24 33.8 | 18.6 V | 691 | 1992 AQ ₆ | 1992 01 01.54934 | 09 21 05.30 | +17 51 48.4 | 691 |
| 1988 TN | 1994 04 03.29451 | 12 03 35.33 | +00 48 58.7 | 17.0 V | 691 | 1992 AQ ₆ | 1992 02 01.35324 | 09 00 31.10 | +19 39 59.4 | 19.3 V |
| 1988 TN | 1994 04 03.32353 | 12 03 33.68 | +00 49 05.1 | 691 | 691 | 1992 AQ ₆ | 1992 02 01.40490 | 09 00 28.65 | +19 40 11.2 | 691 |
| 1988 TN | 1994 04 03.35223 | 12 03 32.04 | +00 49 11.4 | 691 | 691 | 1992 AR ₆ | * 1992 01 09.17300 | 07 30 03.38 | +20 07 27.7 | 19.8 V |
| 1988 VJ ₂ | 1994 04 16.27907 | 13 01 22.71 | -08 19 45.6 | 20.0 V | 691 | 1992 AR ₆ | 1992 01 09.19472 | 07 30 02.26 | +20 07 29.7 | 691 |
| 1988 VJ ₂ | 1994 04 16.30283 | 13 01 21.55 | -08 19 35.8 | 691 | 691 | 1992 BY ₅ | * 1992 01 28.25444 | 08 29 14.94 | +09 42 37.2 | 18.0 V |
| 1988 VJ ₂ | 1994 04 16.32687 | 13 01 20.35 | -08 19 27.3 | 691 | 691 | 1992 BY ₅ | 1992 01 28.28310 | 08 29 13.42 | +09 42 46.1 | 691 |
| 1989 SO ₈ | 1993 03 23.29476 | 12 24 07.29 | +01 04 45.3 | 17.2 V | 691 | 1992 BY ₅ | 1992 01 28.30716 | 08 29 12.05 | +09 42 53.6 | 691 |
| 1989 SO ₈ | 1993 03 23.32669 | 12 24 05.82 | +01 04 54.2 | 691 | 691 | 1992 CF ₃ | 1992 01 30.37058 | 08 09 26.96 | +12 10 54.5 | 18.2 V |
| 1989 SO ₈ | 1993 03 23.35935 | 12 24 04.31 | +01 05 03.3 | 691 | 691 | 1992 CF ₃ | 1992 01 30.37891 | 08 09 26.42 | +12 10 57.0 | 691 |
| 1990 HK | 1994 04 06.38847 | 13 09 11.48 | -07 26 16.6 | 15.5 V | 691 | 1992 CF ₃ | 1992 01 30.38749 | 08 09 25.86 | +12 11 00.1 | 691 |
| 1990 HK | 1994 04 06.41205 | 13 09 10.38 | -07 25 59.7 | 691 | 691 | 1992 CE ₈ | * 1992 02 01.09642 | 07 30 38.46 | +20 23 23.2 | 19.0 V |
| 1990 HK | 1994 04 06.43537 | 13 09 09.31 | -07 25 42.8 | 691 | 691 | 1992 CE ₈ | 1992 02 01.12139 | 07 30 37.27 | +20 23 28.0 | 691 |
| 1991 JP | 1992 11 17.32326 | 03 08 03.07 | +12 04 47.6 | 17.6 V | 691 | 1992 CE ₈ | 1992 02 01.14277 | 07 30 36.06 | +20 23 33.4 | 691 |
| 1991 JP | 1992 11 17.34879 | 03 08 01.54 | +12 04 37.6 | 691 | 691 | 1992 RO ₅ | 1994 04 03.22003 | 11 45 48.79 | +07 45 33.0 | 17.6 V |
| 1991 JP | 1992 11 17.37445 | 03 08 00.03 | +12 04 27.4 | 691 | 691 | 1992 RO ₅ | 1994 04 03.24747 | 11 45 47.42 | +07 45 39.3 | 691 |
| 1991 PH ₁₅ | 1994 04 11.37780 | 13 25 03.49 | -08 20 10.9 | 16.1 V | 691 | 1992 RO ₅ | 1994 04 03.27413 | 11 45 46.03 | +07 45 46.0 | 691 |
| 1991 PH ₁₅ | 1994 04 11.40124 | 13 25 02.11 | -08 20 02.5 | 691 | 691 | 1992 SG ₁ | 1994 04 05.24749 | 09 41 39.52 | +12 38 01.9 | 691 |
| 1991 PH ₁₅ | 1994 04 11.42485 | 13 25 00.70 | -08 19 54.0 | 691 | 691 | 1992 SG ₁ | 1994 04 05.26487 | 09 41 39.48 | +12 38 06.8 | 18.3 V |
| 1991 RM ₄₁ | * 1991 09 13.12486 | 22 25 45.28 | -01 07 04.2 | 691 | 691 | 1992 SG ₁ | 1994 04 05.28184 | 09 41 39.38 | +12 38 12.3 | 691 |
| 1991 RM ₄₁ | 1991 09 13.20383 | 22 25 40.87 | -01 07 41.1 | 18.7 V | 691 | 1992 WX ₂ | 1994 04 06.38342 | 13 01 53.62 | -07 30 23.7 | 691 |
| 1991 TL ₁₀ | 1991 09 12.39502 | 01 32 29.20 | +09 43 04.5 | 691 | 691 | 1992 WX ₂ | 1994 04 06.40699 | 13 01 52.38 | -07 30 14.2 | 16.7 V |
| 1991 TL ₁₀ | 1991 09 12.41581 | 01 32 28.64 | +09 43 02.7 | 19.0 V | 691 | 1992 WX ₂ | 1994 04 06.43031 | 13 01 51.17 | -07 30 04.8 | 691 |
| 1991 TV ₁₃ | * 1991 10 04.43398 | 01 49 47.57 | +13 21 20.5 | 691 | 691 | 1992 WX ₂ | 1994 04 07.29893 | 13 01 08.04 | -07 24 13.7 | 16.3 V |
| 1991 TV ₁₃ | 1991 10 04.45546 | 01 49 46.67 | +13 21 10.7 | 18.1 V | 691 | 1992 WU ₃ | 1994 04 16.27977 | 13 02 26.10 | -08 45 32.2 | 18.0 V |
| 1991 TV ₁₃ | 1991 10 04.48135 | 01 49 45.62 | +13 20 59.4 | 691 | 691 | 1992 WU ₃ | 1994 04 16.32756 | 13 02 23.49 | -08 45 16.8 | 691 |
| 1991 TW ₁₃ | * 1991 10 07.11487 | 00 12 21.18 | +05 14 45.6 | 691 | 691 | 1993 FF ₄ | 1993 03 23.28666 | 12 12 25.90 | +01 06 44.2 | 691 |
| 1991 TW ₁₃ | 1991 10 07.13545 | 00 12 20.04 | +05 14 39.6 | 691 | 691 | 1993 FF ₄ | 1993 03 23.31860 | 12 12 24.35 | +01 06 52.8 | 18.5 V |
| 1991 TW ₁₃ | 1991 10 07.15923 | 00 12 18.70 | +05 14 33.0 | 19.4 V | 691 | 1993 FF ₄ | 1993 03 23.35125 | 12 12 22.77 | +01 07 01.6 | 691 |
| 1991 UM | 1993 04 17.28167 | 12 24 33.56 | -02 55 26.2 | 18.2 V | 691 | 1993 FH ₄ | 1993 03 23.28732 | 12 13 23.23 | +00 47 41.2 | 691 |
| 1991 UM | 1993 04 17.29469 | 12 24 32.88 | -02 55 22.5 | 691 | 691 | 1993 FH ₄ | 1993 03 23.31926 | 12 13 21.68 | +00 47 52.4 | 18.3 V |
| 1991 UM | 1993 04 17.30768 | 12 24 32.19 | -02 55 19.0 | 691 | 691 | 1993 FH ₄ | 1993 03 23.35191 | 12 13 20.09 | +00 48 03.5 | 691 |
| 1991 VY | 1991 11 04.47487 | 03 14 25.27 | +13 53 35.4 | 17.5 V | 691 | 1993 FK ₄ | 1993 03 23.28852 | 12 15 07.30 | +01 09 54.5 | 18.4 V |
| 1991 VY | 1991 11 04.49375 | 03 14 24.10 | +13 53 34.1 | 691 | 691 | 1993 FK ₄ | 1993 03 23.32046 | 12 15 05.78 | +01 10 13.9 | 691 |
| 1991 VY | 1991 11 04.51245 | 03 14 22.94 | +13 53 32.7 | 691 | 691 | 1993 FK ₄ | 1993 03 23.35311 | 12 15 04.26 | +01 10 33.4 | 691 |
| 1991 XG ₂ | 1991 12 14.31505 | 04 40 02.10 | +19 48 36.3 | 691 | 691 | 1993 FL ₄ | 1993 03 23.28804 | 12 14 25.71 | +01 04 53.0 | 691 |
| 1991 XG ₂ | 1991 12 14.33670 | 04 40 00.89 | +19 48 31.9 | 17.3 V | 691 | 1993 FL ₄ | 1993 03 23.31998 | 12 14 23.98 | +01 05 05.1 | 17.5 V |
| 1991 XG ₂ | 1991 12 14.35848 | 04 39 59.65 | +19 48 27.9 | 691 | 691 | 1993 FL ₄ | 1993 03 23.35263 | 12 14 22.20 | +01 05 17.2 | 691 |
| 1991 XO ₆ | * 1991 12 08.43235 | 07 23 14.84 | +19 29 15.5 | 17.6 V | 691 | 1993 FN ₄ | 1993 03 23.38314 | 12 14 47.47 | +00 38 09.4 | 17.6 V |
| 1991 XO ₆ | 1991 12 08.45430 | 07 23 14.12 | +19 29 16.2 | 691 | 691 | 1993 FN ₄ | 1993 03 23.41482 | 12 14 45.67 | +00 38 21.4 | 691 |
| 1991 XO ₆ | 1991 12 08.47600 | 07 23 13.40 | +19 29 16.4 | 691 | 691 | 1993 FN ₄ | 1993 03 23.44669 | 12 14 43.89 | +00 38 33.2 | 691 |
| 1991 YQ ₂ | * 1991 12 31.33522 | 07 51 17.75 | +21 56 18.2 | 691 | 691 | 1993 FO ₄ | 1993 04 14.15629 | 12 01 54.92 | +05 43 11.2 | 18.8 V |
| 1991 YQ ₂ | 1991 12 31.35734 | 07 51 16.43 | +21 56 21.0 | 19.0 V | 691 | 1993 FO ₄ | 1993 04 14.18854 | 12 01 53.87 | +05 43 26.1 | 691 |
| 1991 YQ ₂ | 1991 12 31.37944 | 07 51 15.15 | +21 56 23.7 | 691 | 691 | 1993 FO ₄ | 1993 04 14.22053 | 12 01 52.80 | +05 43 40.6 | 691 |
| 1992 AP ₆ | * 1992 01 09.36291 | 07 52 48.70 | +19 53 14.8 | 691 | 691 | 1993 FP ₄ | 1993 03 23.28870 | 12 15 22.46 | +00 50 00.7 | 691 |
| 1992 AP ₆ | 1992 01 09.38803 | 07 52 47.35 | +19 53 20.1 | 691 | 691 | 1993 FP ₄ | 1993 03 23.32063 | 12 15 20.70 | +00 50 13.6 | 19.2 V |
| 1992 AP ₆ | 1992 01 09.41169 | 07 52 46.07 | +19 53 24.4 | 19.0 V | 691 | 1993 FP ₄ | 1993 03 23.35328 | 12 15 18.84 | +00 50 26.2 | 691 |
| 1992 AQ ₆ | 1991 10 15.45689 | 09 00 50.36 | +18 21 04.8 | 691 | 691 | 1993 FB ₅ | 1993 03 23.38554 | 12 18 38.01 | +00 27 03.7 | 17.7 V |
| 1992 AQ ₆ | 1991 10 15.47202 | 09 00 51.17 | +18 21 01.9 | 691 | 691 | 1993 FB ₅ | 1993 03 23.41722 | 12 18 36.24 | +00 27 09.7 | 691 |

| | | | | | | | | | | | |
|----------------------|------------------|-------------|-------------|--------|-----|----------------------|------------------|-------------|-------------|--------|-----|
| 1993 FB ₅ | 1993 03 23.44909 | 12 18 34.50 | +00 27 15.4 | | 691 | 1993 FV ₆ | 1993 03 19.33279 | 12 17 37.17 | +02 45 21.2 | | 691 |
| 1993 FB ₅ | 1993 06 25.17997 | 12 13 14.14 | -02 32 50.5 | | 691 | 1993 FV ₆ | 1993 03 19.36456 | 12 17 34.89 | +02 45 18.8 | | 691 |
| 1993 FB ₅ | 1993 06 25.18958 | 12 13 14.66 | -02 32 55.6 | 20.6 V | 691 | 1993 FZ ₆ | 1993 03 20.35651 | 12 17 39.31 | +03 51 21.4 | | 691 |
| 1993 FB ₅ | 1993 06 25.19865 | 12 13 15.11 | -02 32 59.5 | | 691 | 1993 FZ ₆ | 1993 03 20.38161 | 12 17 37.82 | +03 51 30.5 | 17.9 V | 691 |
| 1993 FE ₅ | 1993 03 23.29235 | 12 20 39.20 | +01 08 04.3 | | 691 | 1993 FZ ₆ | 1993 03 20.40653 | 12 17 36.35 | +03 51 39.3 | | 691 |
| 1993 FE ₅ | 1993 03 23.32429 | 12 20 37.35 | +01 08 13.1 | 19.4 V | 691 | 1993 FC ₇ | 1993 03 20.35689 | 12 18 12.94 | +04 05 09.9 | | 691 |
| 1993 FE ₅ | 1993 03 23.35694 | 12 20 35.45 | +01 08 21.7 | | 691 | 1993 FC ₇ | 1993 03 20.38200 | 12 18 11.40 | +04 05 16.9 | 19.2 V | 691 |
| 1993 FF ₅ | 1993 03 23.29252 | 12 20 53.40 | +01 02 22.7 | | 691 | 1993 FC ₇ | 1993 03 20.40692 | 12 18 09.86 | +04 05 24.2 | | 691 |
| 1993 FF ₅ | 1993 03 23.32445 | 12 20 51.44 | +01 02 31.5 | 18.9 V | 691 | 1993 FF ₇ | 1993 03 19.30315 | 12 20 54.89 | +02 51 52.8 | 19.2 V | 691 |
| 1993 FF ₅ | 1993 03 23.35710 | 12 20 49.45 | +01 02 40.5 | | 691 | 1993 FF ₇ | 1993 03 19.33505 | 12 20 52.98 | +02 52 01.3 | | 691 |
| 1993 FH ₅ | 1993 03 23.29335 | 12 22 05.51 | +00 44 58.3 | | 691 | 1993 FF ₇ | 1993 03 19.36683 | 12 20 51.09 | +02 52 09.3 | | 691 |
| 1993 FH ₅ | 1993 03 23.32529 | 12 22 03.90 | +00 45 06.8 | 18.2 V | 691 | 1993 FN ₇ | 1993 03 20.35946 | 12 21 55.29 | +03 51 29.6 | | 691 |
| 1993 FH ₅ | 1993 03 23.35794 | 12 22 02.24 | +00 45 16.1 | | 691 | 1993 FN ₇ | 1993 03 20.38457 | 12 21 54.19 | +03 51 38.3 | 18.3 V | 691 |
| 1993 FK ₅ | 1993 03 23.32515 | 12 21 52.26 | +00 59 07.7 | 18.8 V | 691 | 1993 FN ₇ | 1993 03 20.40950 | 12 21 53.12 | +03 51 47.0 | | 691 |
| 1993 FK ₅ | 1993 03 23.35780 | 12 21 50.24 | +00 59 15.6 | | 691 | 1993 FO ₇ | 1993 03 20.35947 | 12 21 55.95 | +03 55 56.2 | | 691 |
| 1993 FL ₅ | 1993 03 23.29375 | 12 22 39.85 | +01 03 10.5 | 19.2 V | 691 | 1993 FO ₇ | 1993 03 20.38458 | 12 21 54.45 | +03 56 05.0 | 17.0 V | 691 |
| 1993 FL ₅ | 1993 03 23.32568 | 12 22 38.10 | +01 03 24.0 | | 691 | 1993 FO ₇ | 1993 03 20.40950 | 12 21 52.96 | +03 56 13.7 | | 691 |
| 1993 FL ₅ | 1993 03 23.35833 | 12 22 36.29 | +01 03 38.4 | | 691 | 1993 FO ₇ | 1993 04 14.15515 | 12 00 16.05 | +05 44 18.8 | | 691 |
| 1993 FM ₅ | 1993 03 23.29393 | 12 22 55.77 | +01 06 33.6 | | 691 | 1993 FO ₇ | 1993 04 14.18739 | 12 00 14.67 | +05 44 23.5 | 17.8 V | 691 |
| 1993 FM ₅ | 1993 03 23.32587 | 12 22 54.10 | +01 06 41.6 | 19.6 V | 691 | 1993 FO ₇ | 1993 04 14.21938 | 12 00 13.30 | +05 44 28.3 | | 691 |
| 1993 FM ₅ | 1993 03 23.35852 | 12 22 52.42 | +01 06 52.8 | | 691 | 1993 FP ₇ | 1993 03 20.36040 | 12 23 16.17 | +04 09 48.5 | 18.7 V | 691 |
| 1993 FO ₅ | 1993 03 23.29382 | 12 22 46.19 | +01 10 19.5 | | 691 | 1993 FP ₇ | 1993 03 20.38551 | 12 23 14.99 | +04 10 01.7 | | 691 |
| 1993 FO ₅ | 1993 03 23.32575 | 12 22 44.22 | +01 10 31.9 | | 691 | 1993 FP ₇ | 1993 03 20.41043 | 12 23 13.83 | +04 10 14.7 | | 691 |
| 1993 FO ₅ | 1993 03 23.35840 | 12 22 42.31 | +01 10 44.7 | 19.1 V | 691 | 1993 FQ ₇ | 1993 03 19.30534 | 12 24 05.16 | +03 10 44.3 | | 691 |
| 1993 FV ₅ | 1993 03 23.39094 | 12 26 25.17 | +00 32 31.5 | | 691 | 1993 FQ ₇ | 1993 03 19.33725 | 12 24 03.51 | +03 10 48.4 | | 691 |
| 1993 FV ₅ | 1993 03 23.42262 | 12 26 23.76 | +00 32 40.9 | 19.2 V | 691 | 1993 FQ ₇ | 1993 03 19.36903 | 12 24 01.82 | +03 10 52.4 | 18.0 V | 691 |
| 1993 FV ₅ | 1993 03 23.45449 | 12 26 22.33 | +00 32 51.2 | | 691 | 1993 FR ₇ | 1993 03 20.36049 | 12 23 24.79 | +04 10 25.0 | 19.4 V | 691 |
| 1993 FW ₅ | 1993 03 23.39035 | 12 25 34.55 | +00 16 48.9 | 19.3 V | 691 | 1993 FR ₇ | 1993 03 20.38560 | 12 23 23.52 | +04 10 32.4 | | 691 |
| 1993 FW ₅ | 1993 03 23.42203 | 12 25 32.80 | +00 16 52.5 | | 691 | 1993 FR ₇ | 1993 03 20.41053 | 12 23 22.23 | +04 10 39.2 | | 691 |
| 1993 FW ₅ | 1993 03 23.45390 | 12 25 31.09 | +00 16 56.0 | | 691 | 1993 FU ₇ | 1993 03 19.30633 | 12 25 30.58 | +02 57 25.6 | 18.9 V | 691 |
| 1993 FX ₅ | 1993 03 23.29654 | 12 26 41.82 | +00 49 23.6 | | 691 | 1993 FU ₇ | 1993 03 19.33823 | 12 25 28.76 | +02 57 38.7 | | 691 |
| 1993 FX ₅ | 1993 03 23.32848 | 12 26 40.37 | +00 49 32.2 | 20.0 V | 691 | 1993 FU ₇ | 1993 03 19.37001 | 12 25 26.99 | +02 57 50.9 | | 691 |
| 1993 FX ₅ | 1993 03 23.36113 | 12 26 38.87 | +00 49 41.4 | | 691 | 1993 FU ₇ | 1993 04 14.15642 | 12 02 06.26 | +05 24 10.7 | 19.7 V | 691 |
| 1993 FY ₅ | 1993 03 23.38989 | 12 24 54.67 | +00 35 15.9 | 18.1 V | 691 | 1993 FU ₇ | 1993 04 14.18866 | 12 02 04.67 | +05 24 19.4 | | 691 |
| 1993 FY ₅ | 1993 03 23.42157 | 12 24 52.70 | +00 35 22.7 | | 691 | 1993 FU ₇ | 1993 04 14.22065 | 12 02 03.13 | +05 24 27.6 | | 691 |
| 1993 FY ₅ | 1993 03 23.45343 | 12 24 50.74 | +00 35 30.7 | | 691 | 1993 FU ₇ | 1993 03 20.36172 | 12 25 11.08 | +03 44 49.5 | 18.8 V | 691 |
| 1993 FB ₆ | 1993 03 23.29618 | 12 26 10.57 | +00 49 51.0 | | 691 | 1993 FW ₇ | 1993 03 20.38683 | 12 25 09.65 | +03 44 59.8 | | 691 |
| 1993 FB ₆ | 1993 03 23.32811 | 12 26 08.58 | +00 50 01.3 | | 691 | 1993 FW ₇ | 1993 03 20.41175 | 12 25 08.24 | +03 45 10.2 | | 691 |
| 1993 FB ₆ | 1993 03 23.36076 | 12 26 06.59 | +00 50 11.8 | 18.9 V | 691 | 1993 FB ₈ | 1993 03 19.30750 | 12 27 12.11 | +03 13 05.3 | 18.1 V | 691 |
| 1993 FC ₆ | 1993 03 23.29632 | 12 26 22.87 | +00 56 24.9 | | 691 | 1993 FB ₈ | 1993 03 19.33941 | 12 27 10.50 | +03 13 15.9 | | 691 |
| 1993 FC ₆ | 1993 03 23.32825 | 12 26 20.79 | +00 56 31.8 | 19.1 V | 691 | 1993 FB ₈ | 1993 03 19.37119 | 12 27 08.89 | +03 13 25.9 | | 691 |
| 1993 FC ₆ | 1993 03 23.36090 | 12 26 18.68 | +00 56 38.8 | | 691 | 1993 FE ₈ | 1993 03 20.36275 | 12 26 40.05 | +04 08 13.9 | 18.7 V | 691 |
| 1993 FF ₆ | 1993 04 14.15141 | 11 54 51.61 | +05 33 59.9 | | 691 | 1993 FE ₈ | 1993 03 20.38786 | 12 26 38.68 | +04 08 22.8 | | 691 |
| 1993 FF ₆ | 1993 04 14.18365 | 11 54 50.38 | +05 34 10.4 | 19.4 V | 691 | 1993 FE ₈ | 1993 03 20.41278 | 12 26 37.32 | +04 08 31.8 | | 691 |
| 1993 FF ₆ | 1993 04 14.21564 | 11 54 49.17 | +05 34 20.4 | | 691 | 1993 FH ₈ | 1993 03 19.30807 | 12 28 01.74 | +03 08 23.2 | | 691 |
| 1993 FS ₆ | 1993 04 14.15097 | 11 54 14.08 | +05 21 34.9 | 18.4 V | 691 | 1993 FH ₈ | 1993 03 19.33997 | 12 27 59.63 | +03 08 17.0 | | 691 |
| 1993 FS ₆ | 1993 04 14.18321 | 11 54 12.62 | +05 21 40.9 | | 691 | 1993 FH ₈ | 1993 03 19.37175 | 12 27 57.52 | +03 08 10.8 | 17.5 V | 691 |
| 1993 FS ₆ | 1993 04 14.21520 | 11 54 11.15 | +05 21 46.4 | | 691 | 1993 FP ₈ | 1993 03 19.30952 | 12 30 06.90 | +03 02 24.7 | | 691 |
| 1993 FU ₆ | 1993 04 14.15422 | 11 58 55.35 | +05 18 50.2 | 18.4 V | 691 | 1993 FP ₈ | 1993 03 19.34142 | 12 30 04.81 | +03 02 33.9 | 18.0 V | 691 |
| 1993 FU ₆ | 1993 04 14.18646 | 11 58 54.09 | +05 18 54.3 | | 691 | 1993 FP ₈ | 1993 03 19.37320 | 12 30 02.99 | +03 02 40.7 | | 691 |
| 1993 FU ₆ | 1993 04 14.21845 | 11 58 52.84 | +05 19 00.2 | | 691 | 1993 FU ₈ | 1993 03 23.39231 | 12 28 23.95 | +00 33 42.3 | 19.0 V | 691 |
| 1993 FV ₆ | 1993 03 19.30089 | 12 17 39.44 | +02 45 23.8 | 19.1 V | 691 | 1993 FU ₈ | 1993 03 23.42399 | 12 28 22.07 | +00 33 55.7 | | 691 |

| | | | | | | | | | | | |
|-----------------------|------------------|-------------|-------------|--------|-----|-----------------------|------------------|-------------|-------------|--------|-----|
| 1993 FU ₈ | 1993 03 23.45585 | 12 28 20.17 | +00 34 09.7 | | 691 | 1993 FP ₁₀ | 1993 03 23.43084 | 12 38 15.97 | +00 30 01.7 | 18.6 V | 691 |
| 1993 FV ₈ | 1993 03 23.42580 | 12 30 58.81 | +00 23 32.3 | 19.3 V | 691 | 1993 FP ₁₀ | 1993 03 23.46271 | 12 38 14.23 | +00 30 14.8 | | 691 |
| 1993 FV ₈ | 1993 03 23.45766 | 12 30 57.04 | +00 23 37.5 | | 691 | 1993 FQ ₁₀ | 1993 03 24.33391 | 12 38 13.40 | +00 04 49.3 | | 691 |
| 1993 FW ₈ | 1993 03 23.39505 | 12 32 21.09 | +00 11 44.2 | | 691 | 1993 FQ ₁₀ | 1993 03 24.36579 | 12 38 11.72 | +00 04 54.2 | | 691 |
| 1993 FW ₈ | 1993 03 23.42673 | 12 32 19.52 | +00 11 55.3 | 18.4 V | 691 | 1993 FQ ₁₀ | 1993 03 24.39740 | 12 38 10.03 | +00 04 58.9 | 17.8 V | 691 |
| 1993 FW ₈ | 1993 03 23.45860 | 12 32 17.96 | +00 12 04.1 | | 691 | 1993 FR ₁₀ | 1993 03 23.39981 | 12 39 13.38 | +00 33 14.1 | 17.4 V | 691 |
| 1993 FX ₈ | 1993 03 23.29812 | 12 28 58.95 | +01 11 37.6 | | 691 | 1993 FR ₁₀ | 1993 03 23.43148 | 12 39 11.46 | +00 33 21.6 | | 691 |
| 1993 FX ₈ | 1993 03 23.33006 | 12 28 57.42 | +01 11 48.6 | 18.0 V | 691 | 1993 FR ₁₀ | 1993 03 23.46335 | 12 39 09.54 | +00 33 29.1 | | 691 |
| 1993 FX ₈ | 1993 03 23.36271 | 12 28 55.85 | +01 11 59.8 | | 691 | 1993 FS ₁₀ | 1993 03 24.32248 | 12 21 43.46 | +00 01 03.2 | | 691 |
| 1993 FD ₉ | 1993 03 23.39094 | 12 26 25.74 | +00 38 29.0 | 18.0 V | 691 | 1993 FS ₁₀ | 1993 03 24.35436 | 12 21 41.77 | +00 01 18.6 | | 691 |
| 1993 FD ₉ | 1993 03 23.42262 | 12 26 23.31 | +00 38 24.7 | | 691 | 1993 FS ₁₀ | 1993 03 24.38597 | 12 21 40.12 | +00 01 34.9 | 17.8 V | 691 |
| 1993 FD ₉ | 1993 03 23.45447 | 12 26 20.86 | +00 38 20.6 | | 691 | 1993 FT ₁₀ | 1993 03 24.32440 | 12 24 30.14 | +00 09 40.3 | | 691 |
| 1993 FD ₉ | 1993 04 18.14754 | 11 57 34.30 | -00 28 14.3 | 19.1 V | 691 | 1993 FT ₁₀ | 1993 03 24.35629 | 12 24 28.62 | +00 09 54.5 | | 691 |
| 1993 FD ₉ | 1993 04 18.16913 | 11 57 33.15 | -00 28 18.8 | | 691 | 1993 FT ₁₀ | 1993 03 24.38790 | 12 24 27.10 | +00 10 08.9 | 19.1 V | 691 |
| 1993 FD ₉ | 1993 04 18.19043 | 11 57 31.97 | -00 28 22.7 | | 691 | 1993 FU ₁₀ | 1993 03 24.32477 | 12 25 02.00 | -00 09 39.8 | | 691 |
| 1993 FH ₉ | 1993 03 23.29892 | 12 30 07.90 | +01 03 59.2 | | 691 | 1993 FU ₁₀ | 1993 03 24.35665 | 12 24 59.83 | -00 09 34.1 | 17.5 V | 691 |
| 1993 FH ₉ | 1993 03 23.33086 | 12 30 06.39 | +01 04 08.8 | 19.9 V | 691 | 1993 FU ₁₀ | 1993 03 24.38825 | 12 24 57.72 | -00 09 27.8 | | 691 |
| 1993 FH ₉ | 1993 03 23.36351 | 12 30 04.84 | +01 04 18.9 | | 691 | 1993 FV ₁₀ | 1993 03 24.32722 | 12 28 34.25 | +00 08 31.8 | 17.4 V | 691 |
| 1993 FJ ₉ | 1993 03 19.31113 | 12 32 26.88 | +03 04 23.8 | 17.8 V | 691 | 1993 FV ₁₀ | 1993 03 24.35910 | 12 28 32.58 | +00 08 44.9 | | 691 |
| 1993 FJ ₉ | 1993 03 19.34303 | 12 32 24.74 | +03 04 30.1 | | 691 | 1993 FV ₁₀ | 1993 03 24.39071 | 12 28 30.94 | +00 08 58.1 | | 691 |
| 1993 FJ ₉ | 1993 03 19.37481 | 12 32 22.62 | +03 04 35.1 | | 691 | 1993 FY ₁₀ | 1993 03 24.32892 | 12 31 01.26 | +00 09 28.7 | 17.6 V | 691 |
| 1993 FL ₉ | 1993 03 19.31166 | 12 33 12.81 | +02 58 44.3 | | 691 | 1993 FY ₁₀ | 1993 03 24.36080 | 12 30 59.60 | +00 09 48.8 | | 691 |
| 1993 FL ₉ | 1993 03 19.34357 | 12 33 11.13 | +02 58 59.2 | 18.8 V | 691 | 1993 FY ₁₀ | 1993 03 24.39241 | 12 30 58.01 | +00 10 07.9 | | 691 |
| 1993 FL ₉ | 1993 03 19.37535 | 12 33 09.46 | +02 59 14.3 | | 691 | 1993 FH ₁₁ | 1993 03 23.30241 | 12 35 10.35 | +01 02 03.2 | | 691 |
| 1993 FQ ₉ | 1993 03 23.29878 | 12 29 56.20 | +00 47 57.3 | | 691 | 1993 FH ₁₁ | 1993 03 23.33434 | 12 35 08.36 | +01 02 09.0 | | 691 |
| 1993 FQ ₉ | 1993 03 23.33072 | 12 29 54.28 | +00 48 04.9 | 19.7 V | 691 | 1993 FH ₁₁ | 1993 03 23.36699 | 12 35 06.33 | +01 02 15.3 | 18.3 V | 691 |
| 1993 FQ ₉ | 1993 03 23.36337 | 12 29 52.30 | +00 48 13.2 | | 691 | 1993 FK ₁₁ | 1993 03 23.30330 | 12 36 27.22 | +01 14 48.0 | | 691 |
| 1993 FV ₉ | 1993 03 19.31251 | 12 34 25.76 | +03 02 35.7 | 18.8 V | 691 | 1993 FK ₁₁ | 1993 03 23.33523 | 12 36 25.60 | +01 15 00.1 | 18.9 V | 691 |
| 1993 FV ₉ | 1993 03 19.34441 | 12 34 24.24 | +03 02 56.9 | | 691 | 1993 FK ₁₁ | 1993 03 23.36789 | 12 36 23.92 | +01 15 12.9 | | 691 |
| 1993 FV ₉ | 1993 03 19.37620 | 12 34 22.75 | +03 03 18.4 | | 691 | 1993 FP ₁₁ | 1993 03 23.30416 | 12 37 41.84 | +00 58 22.7 | | 691 |
| 1993 FX ₉ | 1993 03 19.31260 | 12 34 33.94 | +03 00 11.4 | | 691 | 1993 FP ₁₁ | 1993 03 23.33610 | 12 37 40.29 | +00 58 31.6 | 18.8 V | 691 |
| 1993 FX ₉ | 1993 03 19.34450 | 12 34 32.24 | +03 00 22.1 | 16.6 V | 691 | 1993 FP ₁₁ | 1993 03 23.36875 | 12 37 38.72 | +00 58 41.2 | | 691 |
| 1993 FX ₉ | 1993 03 19.37629 | 12 34 30.55 | +03 00 32.9 | | 691 | 1993 FY ₁₁ | 1993 03 23.40006 | 12 39 35.08 | +00 20 08.8 | 18.8 V | 691 |
| 1993 FF ₁₀ | 1993 03 23.30113 | 12 33 19.07 | +00 50 20.2 | 18.8 V | 691 | 1993 FY ₁₁ | 1993 03 23.43173 | 12 39 33.15 | +00 20 16.1 | | 691 |
| 1993 FF ₁₀ | 1993 03 23.33306 | 12 33 17.33 | +00 50 34.5 | | 691 | 1993 FY ₁₁ | 1993 03 23.46360 | 12 39 31.21 | +00 20 23.1 | | 691 |
| 1993 FF ₁₀ | 1993 03 23.36571 | 12 33 15.57 | +00 50 48.8 | | 691 | 1993 FA ₁₂ | 1993 03 23.30714 | 12 41 59.58 | +00 50 16.6 | | 691 |
| 1993 FJ ₁₀ | 1993 03 23.39680 | 12 34 53.31 | +00 34 57.0 | 17.0 V | 691 | 1993 FA ₁₂ | 1993 03 23.33907 | 12 41 58.16 | +00 50 28.0 | 19.5 V | 691 |
| 1993 FJ ₁₀ | 1993 03 23.42849 | 12 34 51.78 | +00 35 06.0 | | 691 | 1993 FA ₁₂ | 1993 03 23.37173 | 12 41 56.69 | +00 50 39.2 | | 691 |
| 1993 FJ ₁₀ | 1993 03 23.46035 | 12 34 50.22 | +00 35 15.1 | | 691 | 1993 FB ₁₂ | 1993 03 23.40082 | 12 40 41.48 | +00 32 10.6 | | 691 |
| 1993 FK ₁₀ | 1993 03 23.39594 | 12 33 38.96 | +00 18 08.6 | 18.1 V | 691 | 1993 FB ₁₂ | 1993 03 23.43250 | 12 40 39.57 | +00 32 22.4 | | 691 |
| 1993 FK ₁₀ | 1993 03 23.42762 | 12 33 36.89 | +00 18 14.1 | | 691 | 1993 FB ₁₂ | 1993 03 23.46437 | 12 40 37.69 | +00 32 34.2 | 19.4 V | 691 |
| 1993 FK ₁₀ | 1993 03 23.45948 | 12 33 34.83 | +00 18 20.0 | | 691 | 1993 FG ₁₂ | 1993 03 23.40353 | 12 44 36.14 | +00 39 46.7 | | 691 |
| 1993 FM ₁₀ | 1993 03 23.39867 | 12 37 34.69 | +00 33 12.5 | | 691 | 1993 FG ₁₂ | 1993 03 23.43522 | 12 44 34.83 | +00 40 04.2 | 17.9 V | 691 |
| 1993 FM ₁₀ | 1993 03 23.43035 | 12 37 32.93 | +00 33 22.9 | 18.4 V | 691 | 1993 FG ₁₂ | 1993 03 23.46709 | 12 44 33.57 | +00 40 21.5 | | 691 |
| 1993 FM ₁₀ | 1993 03 23.46221 | 12 37 31.17 | +00 33 33.7 | | 691 | 1993 FP ₁₂ | 1993 03 23.40497 | 12 46 40.55 | +00 38 10.0 | 18.5 V | 691 |
| 1993 FN ₁₀ | 1993 03 23.39956 | 12 38 51.76 | +00 34 29.0 | 18.7 V | 691 | 1993 FP ₁₂ | 1993 03 23.43665 | 12 46 39.01 | +00 38 26.6 | | 691 |
| 1993 FN ₁₀ | 1993 03 23.43124 | 12 38 50.26 | +00 34 38.1 | | 691 | 1993 FP ₁₂ | 1993 03 23.46852 | 12 46 37.49 | +00 38 43.7 | | 691 |
| 1993 FN ₁₀ | 1993 03 23.46311 | 12 38 48.77 | +00 34 47.4 | | 691 | 1993 FT ₁₃ | 1993 03 19.38830 | 12 41 04.27 | +03 13 13.4 | | 691 |
| 1993 FO ₁₀ | 1993 03 23.30556 | 12 39 42.89 | +00 54 45.8 | | 691 | 1993 FT ₁₃ | 1993 03 19.40980 | 12 41 03.31 | +03 13 22.4 | | 691 |
| 1993 FO ₁₀ | 1993 03 23.33750 | 12 39 41.60 | +00 55 04.7 | | 691 | 1993 FT ₁₃ | 1993 03 19.43132 | 12 41 02.35 | +03 13 30.7 | 19.3 V | 691 |
| 1993 FO ₁₀ | 1993 03 23.37015 | 12 39 40.22 | +00 55 24.4 | 18.3 V | 691 | 1993 FW ₁₃ | 1993 03 19.38827 | 12 41 01.55 | +03 10 00.4 | | 691 |
| 1993 FP ₁₀ | 1993 03 23.39916 | 12 38 17.75 | +00 29 48.7 | | 691 | 1993 FW ₁₃ | 1993 03 19.40976 | 12 41 00.34 | +03 10 07.9 | 19.6 V | 691 |

| | | | | | | | | | | |
|-----------------------|------------------|-------------|-------------|--------|-----------------------|-----------------------|-----------------------|------------------|-------------|-------------|
| 1993 FW ₁₃ | 1993 03 19.43128 | 12 40 59.16 | +03 10 15.3 | 691 | 1993 FD ₁₇ | 1993 03 24.37128 | 12 46 07.08 | -00 04 21.0 | 18.6 V | 691 |
| 1993 FK ₁₄ | 1993 03 19.39009 | 12 43 39.71 | +03 12 04.8 | 691 | 1993 FD ₁₇ | 1993 03 24.40288 | 12 46 05.34 | -00 04 12.1 | | 691 |
| 1993 FK ₁₄ | 1993 03 19.41159 | 12 43 38.45 | +03 12 11.0 | 691 | 1993 FE ₁₇ | 1993 03 24.34225 | 12 50 15.89 | +00 11 59.6 | 18.9 V | 691 |
| 1993 FK ₁₄ | 1993 03 19.43310 | 12 43 37.16 | +03 12 17.5 | 19.1 V | 691 | 1993 FE ₁₇ | 1993 03 24.37413 | 12 50 14.41 | +00 12 16.7 | 691 |
| 1993 FL ₁₄ | 1993 03 19.39041 | 12 44 07.64 | +03 07 18.9 | 17.6 V | 691 | 1993 FE ₁₇ | 1993 03 24.40574 | 12 50 12.88 | +00 12 33.7 | 691 |
| 1993 FL ₁₄ | 1993 03 19.41191 | 12 44 06.57 | +03 07 27.3 | 691 | 691 | 1993 FF ₁₇ | 1993 03 24.34193 | 12 49 48.48 | +00 01 48.4 | 691 |
| 1993 FL ₁₄ | 1993 03 19.43343 | 12 44 05.48 | +03 07 35.7 | 691 | 691 | 1993 FF ₁₇ | 1993 03 24.37381 | 12 49 46.70 | +00 02 05.0 | 19.0 V |
| 1993 FN ₁₄ | 1993 03 19.39144 | 12 45 36.38 | +02 48 00.3 | 18.6 V | 691 | 691 | 1993 FF ₁₇ | 1993 03 24.40542 | 12 49 44.92 | +00 02 20.9 |
| 1993 FN ₁₄ | 1993 03 19.41294 | 12 45 35.11 | +02 48 08.2 | 691 | 691 | 1993 FG ₁₇ | 1993 03 24.34315 | 12 51 34.49 | +00 05 55.3 | 19.0 V |
| 1993 FN ₁₄ | 1993 03 19.43445 | 12 45 33.83 | +02 48 16.0 | 691 | 691 | 1993 FG ₁₇ | 1993 03 24.37504 | 12 51 32.73 | +00 06 07.6 | 691 |
| 1993 FP ₁₄ | 1993 03 19.39167 | 12 45 56.49 | +02 50 06.9 | 17.5 V | 691 | 691 | 1993 FG ₁₇ | 1993 03 24.40664 | 12 51 30.98 | +00 06 19.6 |
| 1993 FP ₁₄ | 1993 03 19.41317 | 12 45 55.15 | +02 50 12.8 | 691 | 691 | 1993 FN ₁₇ | 1993 03 19.40028 | 12 58 22.27 | +02 56 12.9 | 16.8 V |
| 1993 FP ₁₄ | 1993 03 19.43468 | 12 45 53.85 | +02 50 17.3 | 691 | 691 | 1993 FN ₁₇ | 1993 03 19.42178 | 12 58 21.50 | +02 56 28.7 | 691 |
| 1993 FC ₁₅ | 1993 03 19.39450 | 12 50 01.94 | +03 13 25.4 | 19.5 V | 691 | 1993 FN ₁₇ | 1993 03 19.44330 | 12 58 20.73 | +02 56 44.5 | 691 |
| 1993 FC ₁₅ | 1993 03 19.41600 | 12 50 00.65 | +03 13 30.0 | 691 | 691 | 1993 FS ₁₇ | 1993 03 19.40170 | 13 00 25.46 | +03 00 52.4 | 19.0 V |
| 1993 FC ₁₅ | 1993 03 19.43752 | 12 49 59.41 | +03 13 34.6 | 691 | 691 | 1993 FS ₁₇ | 1993 03 19.42320 | 13 00 24.51 | +03 01 01.8 | 691 |
| 1993 FT ₁₅ | 1993 03 23.40726 | 12 49 58.91 | +00 32 09.6 | 691 | 691 | 1993 FS ₁₇ | 1993 03 19.44472 | 13 00 23.55 | +03 01 11.5 | 691 |
| 1993 FT ₁₅ | 1993 03 23.43894 | 12 49 57.18 | +00 32 21.1 | 19.3 V | 691 | 691 | 1993 FN ₁₈ | 1993 03 19.40509 | 13 05 19.30 | +02 45 07.2 |
| 1993 FT ₁₅ | 1993 03 23.47081 | 12 49 55.51 | +00 32 32.5 | 691 | 691 | 691 | 1993 FN ₁₈ | 1993 03 19.42660 | 13 05 18.30 | +02 45 10.7 |
| 1993 FU ₁₅ | 1993 03 23.40733 | 12 50 05.54 | +00 19 38.9 | 691 | 691 | 691 | 1993 FN ₁₈ | 1993 03 19.44811 | 13 05 17.29 | +02 45 15.5 |
| 1993 FU ₁₅ | 1993 03 23.43901 | 12 50 03.84 | +00 19 43.6 | 17.8 V | 691 | 691 | 1993 FM ₁₉ | 1993 03 19.45332 | 13 09 30.15 | +02 48 35.9 |
| 1993 FU ₁₅ | 1993 03 23.47088 | 12 50 02.20 | +00 19 47.8 | 691 | 691 | 691 | 1993 FM ₁₉ | 1993 03 19.47147 | 13 09 29.37 | +02 48 42.7 |
| 1993 FU ₁₅ | 1993 04 29.20235 | 12 21 50.72 | +00 57 27.6 | 18.4 V | 691 | 691 | 1993 FM ₁₉ | 1993 03 19.48990 | 13 09 28.60 | +02 48 48.9 |
| 1993 FU ₁₅ | 1993 04 29.22475 | 12 21 50.02 | +00 57 25.8 | 691 | 691 | 691 | 1993 FH ₂₀ | 1993 04 15.20747 | 11 55 35.67 | -02 24 22.4 |
| 1993 FU ₁₅ | 1993 04 29.24640 | 12 21 49.34 | +00 57 24.9 | 691 | 691 | 691 | 1993 FH ₂₀ | 1993 04 15.23801 | 11 55 34.36 | -02 24 13.8 |
| 1993 FS ₁₆ | 1993 03 24.33071 | 12 33 36.81 | +00 10 36.4 | 18.4 V | 691 | 691 | 1993 FH ₂₀ | 1993 04 15.26499 | 11 55 33.21 | -02 24 04.9 |
| 1993 FS ₁₆ | 1993 03 24.36260 | 12 33 35.19 | +00 10 47.5 | 691 | 691 | 691 | 1993 FJ ₂₀ | 1993 04 15.20919 | 11 58 04.52 | -02 19 36.3 |
| 1993 FS ₁₆ | 1993 03 24.39420 | 12 33 33.58 | +00 10 58.8 | 691 | 691 | 691 | 1993 FJ ₂₀ | 1993 04 15.23974 | 11 58 03.42 | -02 19 27.0 |
| 1993 FT ₁₆ | 1993 03 24.33119 | 12 34 18.10 | +00 12 47.6 | 17.9 V | 691 | 691 | 1993 FJ ₂₀ | 1993 04 15.26671 | 11 58 02.44 | -02 19 19.2 |
| 1993 FT ₁₆ | 1993 03 24.36307 | 12 34 16.13 | +00 12 59.0 | 691 | 691 | 691 | 1993 FM ₂₀ | 1993 04 15.21295 | 12 03 30.12 | -02 23 19.2 |
| 1993 FT ₁₆ | 1993 03 24.39467 | 12 34 14.17 | +00 13 10.5 | 691 | 691 | 691 | 1993 FM ₂₀ | 1993 04 15.24350 | 12 03 29.09 | -02 23 08.5 |
| 1993 FU ₁₆ | 1993 03 24.33351 | 12 37 39.38 | +00 05 41.3 | 19.8 V | 691 | 691 | 1993 FM ₂₀ | 1993 04 15.27047 | 12 03 28.21 | -02 22 58.5 |
| 1993 FU ₁₆ | 1993 03 24.36540 | 12 37 37.92 | +00 05 50.9 | 691 | 691 | 691 | 1993 FO ₂₀ | 1993 03 24.34686 | 12 56 55.23 | -00 11 47.0 |
| 1993 FU ₁₆ | 1993 03 24.39701 | 12 37 36.47 | +00 06 00.1 | 691 | 691 | 691 | 1993 FO ₂₀ | 1993 03 24.37874 | 12 56 53.57 | -00 11 33.8 |
| 1993 FV ₁₆ | 1993 03 24.33347 | 12 37 35.25 | +00 10 58.7 | 691 | 691 | 691 | 1993 FO ₂₀ | 1993 03 24.41035 | 12 56 51.88 | -00 11 21.2 |
| 1993 FV ₁₆ | 1993 03 24.36535 | 12 37 33.47 | +00 11 10.4 | 19.0 V | 691 | 691 | 1993 FP ₂₀ | 1993 03 24.34727 | 12 57 31.19 | +00 06 57.6 |
| 1993 FV ₁₆ | 1993 03 24.39695 | 12 37 31.69 | +00 11 22.2 | 691 | 691 | 691 | 1993 FP ₂₀ | 1993 03 24.37916 | 12 57 29.66 | +00 07 19.8 |
| 1993 FW ₁₆ | 1993 03 24.33411 | 12 38 30.88 | +00 03 13.7 | 691 | 691 | 691 | 1993 FP ₂₀ | 1993 03 24.41077 | 12 57 28.15 | +00 07 41.8 |
| 1993 FW ₁₆ | 1993 03 24.36599 | 12 38 29.36 | +00 03 22.8 | 19.1 V | 691 | 691 | 1993 FQ ₂₀ | 1993 03 24.34705 | 12 57 11.92 | +00 02 14.6 |
| 1993 FW ₁₆ | 1993 03 24.39760 | 12 38 27.86 | +00 03 31.6 | 691 | 691 | 691 | 1993 FQ ₂₀ | 1993 03 24.37893 | 12 57 10.21 | +00 02 27.8 |
| 1993 FX ₁₆ | 1993 03 23.39981 | 12 39 13.71 | +00 09 25.2 | 691 | 691 | 691 | 1993 FQ ₂₀ | 1993 03 24.41054 | 12 57 08.61 | +00 02 40.2 |
| 1993 FX ₁₆ | 1993 03 23.43149 | 12 39 12.01 | +00 09 42.3 | 18.9 V | 691 | 691 | 1993 FR ₂₀ | 1993 03 24.35032 | 13 01 54.91 | -00 00 22.5 |
| 1993 FX ₁₆ | 1993 03 23.46336 | 12 39 10.34 | +00 09 59.1 | 691 | 691 | 691 | 1993 FR ₂₀ | 1993 03 24.38220 | 13 01 53.15 | -00 00 11.5 |
| 1993 FY ₁₆ | 1993 03 24.33532 | 12 40 15.84 | -00 09 35.0 | 18.4 V | 691 | 691 | 1993 FR ₂₀ | 1993 03 24.41380 | 13 01 51.38 | -00 00 00.8 |
| 1993 FY ₁₆ | 1993 03 24.36720 | 12 40 14.00 | -00 09 26.6 | 691 | 691 | 691 | 1993 FT ₂₀ | 1993 03 26.26770 | 13 06 51.63 | +00 16 50.8 |
| 1993 FY ₁₆ | 1993 03 24.39881 | 12 40 12.18 | -00 09 18.2 | 691 | 691 | 691 | 1993 FT ₂₀ | 1993 03 26.27716 | 13 06 51.14 | +00 16 53.4 |
| 1993 FA ₁₇ | 1993 03 23.40411 | 12 45 25.90 | +00 13 59.3 | 18.8 V | 691 | 691 | 1993 FT ₂₀ | 1993 03 26.28634 | 13 06 50.72 | +00 16 57.1 |
| 1993 FA ₁₇ | 1993 03 23.43579 | 12 45 24.56 | +00 14 26.6 | 691 | 691 | 691 | 1993 FU ₂₀ | 1993 03 26.26796 | 13 07 13.85 | +00 09 43.1 |
| 1993 FA ₁₇ | 1993 03 23.46766 | 12 45 23.29 | +00 14 53.2 | 691 | 691 | 691 | 1993 FU ₂₀ | 1993 03 26.27741 | 13 07 13.31 | +00 09 48.1 |
| 1993 FC ₁₇ | 1993 03 23.40503 | 12 46 45.99 | +00 10 49.8 | 18.8 V | 691 | 691 | 1993 FU ₂₀ | 1993 03 26.28660 | 13 07 12.87 | +00 09 53.1 |
| 1993 FC ₁₇ | 1993 03 23.43671 | 12 46 44.36 | +00 11 08.6 | 691 | 691 | 691 | 1993 FY ₂₀ | 1993 04 18.22060 | 12 44 30.19 | -04 19 53.0 |
| 1993 FD ₁₇ | 1993 03 24.33939 | 12 46 08.85 | -00 04 30.0 | 691 | 691 | 691 | 1993 FY ₂₀ | 1993 04 18.25347 | 12 44 28.81 | -04 19 46.5 |

| | | | | | | | | | | | |
|-----------------------|------------------|-------------|-------------|--------|-----|-----------------------|------------------|-------------|-------------|--------|-----|
| 1993 FY ₂₀ | 1993 04 18.28516 | 12 44 27.49 | -04 19 39.1 | | 691 | 1993 FT ₃₁ | 1993 03 25.39749 | 13 02 13.00 | -00 18 08.7 | 18.1 V | 691 |
| 1993 FB ₂₁ | 1993 04 18.22490 | 12 50 43.26 | -04 37 58.4 | 18.9 V | 691 | 1993 FT ₃₁ | 1993 03 25.42947 | 13 02 11.26 | -00 17 54.1 | | 691 |
| 1993 FB ₂₁ | 1993 04 18.28946 | 12 50 39.95 | -04 37 42.9 | | 691 | 1993 FY ₃₁ | 1993 03 25.36894 | 13 06 40.37 | -00 32 12.1 | 19.6 V | 691 |
| 1993 FG ₂₄ | 1993 04 17.27889 | 12 20 32.90 | -02 47 12.5 | | 691 | 1993 FY ₃₁ | 1993 03 25.40055 | 13 06 38.62 | -00 32 06.6 | | 691 |
| 1993 FG ₂₄ | 1993 04 17.29191 | 12 20 32.42 | -02 47 07.0 | 17.1 V | 691 | 1993 FY ₃₁ | 1993 04 20.28833 | 12 41 47.98 | +00 25 40.4 | 19.5 V | 691 |
| 1993 FG ₂₄ | 1993 04 17.30491 | 12 20 31.95 | -02 47 01.7 | | 691 | 1993 FY ₃₁ | 1993 04 20.31994 | 12 41 46.20 | +00 25 42.0 | | 691 |
| 1993 FP ₂₄ | 1993 04 17.28217 | 12 25 16.98 | -02 57 23.3 | 18.1 V | 691 | 1993 FY ₃₁ | 1993 04 20.35163 | 12 41 44.48 | +00 25 43.5 | | 691 |
| 1993 FP ₂₄ | 1993 04 17.29519 | 12 25 16.49 | -02 57 18.1 | | 691 | 1993 FZ ₃₁ | 1993 03 25.36969 | 13 07 45.40 | -00 17 16.3 | | 691 |
| 1993 FP ₂₄ | 1993 04 17.30819 | 12 25 16.06 | -02 57 11.9 | | 691 | 1993 FZ ₃₁ | 1993 03 25.40130 | 13 07 43.85 | -00 17 01.3 | 18.7 V | 691 |
| 1993 FG ₂₅ | 1993 04 18.21129 | 12 30 38.65 | -04 44 43.8 | | 691 | 1993 FZ ₃₁ | 1993 03 25.43329 | 13 07 42.15 | -00 16 46.4 | | 691 |
| 1993 FG ₂₅ | 1993 04 18.24417 | 12 30 37.21 | -04 44 34.9 | | 691 | 1993 FB ₃₂ | 1993 04 14.24606 | 12 52 01.25 | -02 02 51.7 | | 691 |
| 1993 FG ₂₅ | 1993 04 18.27587 | 12 30 35.81 | -04 44 26.3 | 17.2 V | 691 | 1993 FB ₃₂ | 1993 04 14.27798 | 12 51 59.61 | -02 02 38.1 | 18.6 V | 691 |
| 1993 FY ₂₅ | 1993 04 17.27674 | 12 17 26.62 | -02 53 27.1 | 18.8 V | 691 | 1993 FB ₃₂ | 1993 04 14.31019 | 12 51 57.68 | -02 02 27.1 | | 691 |
| 1993 FY ₂₅ | 1993 04 17.28976 | 12 17 26.24 | -02 53 20.0 | | 691 | 1993 FC ₃₂ | 1993 03 25.37056 | 13 09 00.78 | -00 42 41.4 | 19.5 V | 691 |
| 1993 FY ₂₅ | 1993 04 17.30276 | 12 17 25.73 | -02 53 14.4 | | 691 | 1993 FC ₃₂ | 1993 03 25.40217 | 13 08 58.94 | -00 42 37.7 | | 691 |
| 1993 FF ₂₈ | 1993 04 15.21590 | 12 07 45.59 | -02 39 26.8 | 18.0 V | 691 | 1993 FC ₃₂ | 1993 03 25.43416 | 13 08 57.10 | -00 42 33.7 | | 691 |
| 1993 FF ₂₈ | 1993 04 15.24644 | 12 07 44.15 | -02 39 11.2 | | 691 | 1993 FT ₃₂ | 1993 04 20.28382 | 12 35 16.96 | +00 53 54.9 | | 691 |
| 1993 FF ₂₈ | 1993 04 15.27341 | 12 07 42.86 | -02 38 57.0 | | 691 | 1993 FT ₃₂ | 1993 04 20.31543 | 12 35 15.66 | +00 54 00.7 | 18.3 V | 691 |
| 1993 FJ ₃₀ | 1993 04 15.22049 | 12 14 23.57 | -02 23 15.3 | 16.9 V | 691 | 1993 FT ₃₂ | 1993 04 20.34713 | 12 35 14.35 | +00 54 07.6 | | 691 |
| 1993 FJ ₃₀ | 1993 04 15.25104 | 12 14 22.75 | -02 22 46.5 | | 691 | 1993 FU ₃₂ | 1993 04 20.28509 | 12 37 07.09 | +00 39 45.7 | | 691 |
| 1993 FJ ₃₀ | 1993 04 15.27802 | 12 14 21.96 | -02 22 21.7 | | 691 | 1993 FU ₃₂ | 1993 04 20.31670 | 12 37 05.81 | +00 39 52.8 | | 691 |
| 1993 FV ₃₀ | 1993 03 25.35965 | 12 53 15.15 | -00 37 50.4 | 18.4 V | 691 | 1993 FU ₃₂ | 1993 04 20.34840 | 12 37 04.54 | +00 40 00.3 | 19.6 V | 691 |
| 1993 FV ₃₀ | 1993 03 25.39125 | 12 53 13.24 | -00 37 43.7 | | 691 | 1993 FU ₃₂ | 1993 04 29.20930 | 12 31 52.52 | +01 09 57.2 | | 691 |
| 1993 FV ₃₀ | 1993 03 25.42324 | 12 53 11.30 | -00 37 36.3 | | 691 | 1993 FU ₃₂ | 1993 04 29.23170 | 12 31 51.82 | +01 10 00.8 | 20.1 V | 691 |
| 1993 FW ₃₀ | 1993 03 25.36039 | 12 54 19.75 | -00 15 51.4 | 18.5 V | 691 | 1993 FU ₃₂ | 1993 04 29.25335 | 12 31 51.06 | +01 10 03.6 | | 691 |
| 1993 FW ₃₀ | 1993 03 25.39200 | 12 54 18.00 | -00 15 38.2 | | 691 | 1993 FB ₃₃ | 1993 04 29.21013 | 12 33 05.08 | +00 59 21.2 | 19.9 V | 691 |
| 1993 FW ₃₀ | 1993 03 25.42399 | 12 54 16.25 | -00 15 25.1 | | 691 | 1993 FB ₃₃ | 1993 04 29.23254 | 12 33 04.24 | +00 59 26.7 | | 691 |
| 1993 FX ₃₀ | 1993 03 25.36027 | 12 54 09.07 | -00 34 22.9 | | 691 | 1993 FB ₃₃ | 1993 04 29.25418 | 12 33 03.45 | +00 59 31.1 | | 691 |
| 1993 FX ₃₀ | 1993 03 25.39188 | 12 54 07.24 | -00 34 12.7 | 19.8 V | 691 | 1993 FK ₃₃ | 1993 04 20.29083 | 12 45 23.86 | +00 38 21.1 | | 691 |
| 1993 FX ₃₀ | 1993 03 25.42386 | 12 54 05.41 | -00 34 02.1 | | 691 | 1993 FK ₃₃ | 1993 04 20.32244 | 12 45 22.66 | +00 38 26.0 | 18.4 V | 691 |
| 1993 FY ₃₀ | 1993 03 24.34670 | 12 56 41.72 | -00 16 03.0 | | 691 | 1993 FK ₃₃ | 1993 04 20.35414 | 12 45 21.42 | +00 38 33.0 | | 691 |
| 1993 FY ₃₀ | 1993 03 24.37859 | 12 56 40.40 | -00 15 47.2 | 17.7 V | 691 | 1993 FP ₃₃ | 1993 04 20.28890 | 12 42 37.51 | +00 44 51.1 | 19.2 V | 691 |
| 1993 FY ₃₀ | 1993 03 24.41020 | 12 56 39.10 | -00 15 31.6 | | 691 | 1993 FP ₃₃ | 1993 04 20.32051 | 12 42 36.07 | +00 44 59.7 | | 691 |
| 1993 FE ₃₁ | 1993 03 25.36290 | 12 57 56.60 | -00 32 23.5 | | 691 | 1993 FP ₃₃ | 1993 04 20.35221 | 12 42 34.62 | +00 45 08.4 | | 691 |
| 1993 FE ₃₁ | 1993 03 25.39451 | 12 57 55.39 | -00 32 03.9 | 17.1 V | 691 | 1993 FA ₃₄ | 1993 03 25.36961 | 13 07 37.82 | -00 45 23.2 | | 691 |
| 1993 FE ₃₁ | 1993 03 25.42651 | 12 57 54.17 | -00 31 44.0 | | 691 | 1993 FA ₃₄ | 1993 03 25.40122 | 13 07 36.25 | -00 45 04.6 | 18.9 V | 691 |
| 1993 FF ₃₁ | 1993 03 24.34725 | 12 57 29.19 | -00 15 10.5 | 18.3 V | 691 | 1993 FA ₃₄ | 1993 03 25.43321 | 13 07 34.65 | -00 44 45.7 | | 691 |
| 1993 FF ₃₁ | 1993 03 24.37913 | 12 57 27.33 | -00 14 57.3 | | 691 | 1993 FH ₃₄ | 1993 03 26.35363 | 13 08 59.41 | -02 36 54.1 | 19.2 V | 691 |
| 1993 FF ₃₁ | 1993 03 24.41073 | 12 57 25.50 | -00 14 44.1 | | 691 | 1993 FH ₃₄ | 1993 03 26.37167 | 13 08 58.39 | -02 36 50.3 | | 691 |
| 1993 FL ₃₁ | 1993 03 25.36407 | 12 59 38.60 | -00 28 38.3 | | 691 | 1993 FH ₃₄ | 1993 03 26.38980 | 13 08 57.48 | -02 36 46.0 | | 691 |
| 1993 FL ₃₁ | 1993 03 25.39569 | 12 59 37.14 | -00 28 27.7 | 17.8 V | 691 | 1993 FL ₃₄ | 1993 03 19.31289 | 12 34 58.78 | +02 56 02.2 | 17.8 V | 691 |
| 1993 FL ₃₁ | 1993 03 25.42768 | 12 59 35.66 | -00 28 16.9 | | 691 | 1993 FL ₃₄ | 1993 03 19.34480 | 12 34 57.40 | +02 56 08.8 | | 691 |
| 1993 FP ₃₁ | 1993 03 25.36409 | 12 59 40.01 | -00 17 14.3 | | 691 | 1993 FL ₃₄ | 1993 03 19.37658 | 12 34 56.04 | +02 56 15.8 | | 691 |
| 1993 FP ₃₁ | 1993 03 25.39570 | 12 59 38.06 | -00 17 06.3 | 19.1 V | 691 | 1993 FO ₃₄ | 1993 04 20.28486 | 12 36 47.07 | +00 30 33.1 | 18.0 V | 691 |
| 1993 FP ₃₁ | 1993 03 25.42768 | 12 59 36.14 | -00 16 57.2 | | 691 | 1993 FO ₃₄ | 1993 04 20.31647 | 12 36 45.86 | +00 30 43.4 | | 691 |
| 1993 FQ ₃₁ | 1993 03 25.36509 | 13 01 06.30 | -00 45 06.4 | 19.6 V | 691 | 1993 FO ₃₄ | 1993 04 29.20939 | 12 32 00.31 | +01 14 50.2 | | 691 |
| 1993 FQ ₃₁ | 1993 03 25.39669 | 13 01 04.48 | -00 44 56.3 | | 691 | 1993 FO ₃₄ | 1993 04 29.23179 | 12 31 59.66 | +01 14 56.4 | 18.2 V | 691 |
| 1993 FQ ₃₁ | 1993 03 25.42868 | 13 01 02.66 | -00 44 45.7 | | 691 | 1993 FO ₃₄ | 1993 04 29.25344 | 12 31 59.05 | +01 15 01.8 | | 691 |
| 1993 FS ₃₁ | 1993 04 20.28572 | 12 38 02.03 | +00 38 54.9 | | 691 | 1993 FC ₃₅ | 1993 04 29.20603 | 12 27 09.29 | +01 02 07.0 | | 691 |
| 1993 FS ₃₁ | 1993 04 20.31733 | 12 38 00.38 | +00 38 59.7 | 17.9 V | 691 | 1993 FC ₃₅ | 1993 04 29.22843 | 12 27 08.43 | +01 02 12.8 | 20.2 V | 691 |
| 1993 FS ₃₁ | 1993 04 20.34903 | 12 37 58.73 | +00 39 05.0 | | 691 | 1993 FC ₃₅ | 1993 04 29.25008 | 12 27 07.56 | +01 02 18.4 | | 691 |
| 1993 FT ₃₁ | 1993 03 25.36588 | 13 02 14.73 | -00 18 23.1 | | 691 | 1993 FK ₃₅ | 1993 04 14.24132 | 12 45 10.93 | -02 04 48.5 | 20.1 V | 691 |

| | | | | | | | | | | |
|-----------------------|------------------|-------------|-------------|--------|-----------------------|-----------------------|------------------|-------------|-------------|--------|
| 1993 FK ₃₅ | 1993 04 14.27324 | 12 45 09.39 | -02 04 42.7 | 691 | 1993 FC ₃₉ | 1993 03 24.34080 | 12 48 10.40 | -00 13 10.5 | 17.9 V | 691 |
| 1993 FK ₃₅ | 1993 04 14.30545 | 12 45 07.87 | -02 04 35.9 | 691 | 1993 FC ₃₉ | 1993 03 24.37269 | 12 48 09.12 | -00 12 53.2 | | 691 |
| 1993 FL ₃₅ | 1993 04 14.27024 | 12 40 49.35 | -01 45 41.3 | 20.1 V | 691 | 1993 FC ₃₉ | 1993 03 24.40430 | 12 48 07.83 | -00 12 36.6 | 691 |
| 1993 FL ₃₅ | 1993 04 14.30245 | 12 40 47.56 | -01 45 34.8 | 691 | 1993 FM ₄₀ | 1993 04 29.20063 | 12 19 22.28 | +00 53 49.8 | | 691 |
| 1993 FU ₃₅ | 1993 04 14.24507 | 12 50 35.74 | -01 49 25.5 | 691 | 1993 FM ₄₀ | 1993 04 29.22304 | 12 19 21.53 | +00 53 53.0 | 19.7 V | 691 |
| 1993 FU ₃₅ | 1993 04 14.27700 | 12 50 34.39 | -01 49 17.4 | 19.0 V | 691 | 1993 FM ₄₀ | 1993 04 29.24469 | 12 19 20.89 | +00 53 56.9 | 691 |
| 1993 FU ₃₅ | 1993 04 14.30921 | 12 50 33.03 | -01 49 09.7 | 691 | 1993 FZ ₄₀ | 1993 04 29.19744 | 12 14 45.77 | +01 09 27.0 | 18.8 V | 691 |
| 1993 FE ₃₆ | 1993 02 26.43943 | 13 22 03.13 | -05 14 56.7 | 691 | 1993 FZ ₄₀ | 1993 04 29.21984 | 12 14 44.92 | +01 09 29.0 | | 691 |
| 1993 FE ₃₆ | 1993 02 26.49771 | 13 22 02.17 | -05 14 49.0 | 20.2 V | 691 | 1993 FZ ₄₀ | 1993 04 29.24149 | 12 14 44.10 | +01 09 31.1 | 691 |
| 1993 FE ₃₆ | 1993 02 26.52550 | 13 22 01.73 | -05 14 45.8 | 691 | 1993 FN ₄₁ | 1993 04 15.22356 | 12 18 49.75 | -02 32 08.9 | 17.8 V | 691 |
| 1993 FS ₃₆ | 1993 03 25.35905 | 12 52 23.44 | -00 31 32.0 | 691 | 1993 FN ₄₁ | 1993 04 15.25411 | 12 18 48.59 | -02 32 00.4 | | 691 |
| 1993 FS ₃₆ | 1993 03 25.39066 | 12 52 22.07 | -00 31 17.8 | 19.2 V | 691 | 1993 FN ₄₁ | 1993 04 15.28108 | 12 18 47.54 | -02 31 53.2 | 691 |
| 1993 FS ₃₆ | 1993 03 25.42266 | 12 52 20.67 | -00 31 03.2 | 691 | 1993 FO ₄₁ | 1993 03 28.24520 | 12 29 53.33 | -03 48 34.5 | 18.0 V | 691 |
| 1993 FW ₃₆ | 1993 04 29.20676 | 12 28 12.59 | +00 49 51.2 | 18.3 V | 691 | 1993 FO ₄₁ | 1993 03 28.29942 | 12 29 50.27 | -03 48 22.5 | 691 |
| 1993 FW ₃₆ | 1993 04 29.22916 | 12 28 11.92 | +00 49 56.1 | 691 | 1993 FT ₄₁ | 1993 03 28.24667 | 12 32 00.58 | -03 46 25.9 | 17.1 V | 691 |
| 1993 FW ₃₆ | 1993 04 29.25081 | 12 28 11.24 | +00 50 01.0 | 691 | 1993 FT ₄₁ | 1993 03 28.30089 | 12 31 57.82 | -03 46 09.4 | | 691 |
| 1993 FC ₃₇ | 1993 04 29.20811 | 12 30 10.26 | +01 02 59.3 | 691 | 1993 FT ₄₁ | 1993 04 15.22305 | 12 18 05.73 | -02 26 34.4 | | 691 |
| 1993 FC ₃₇ | 1993 04 29.23052 | 12 30 09.64 | +01 03 06.4 | 18.8 V | 691 | 1993 FT ₄₁ | 1993 04 15.25360 | 12 18 04.44 | -02 26 27.1 | 16.9 V |
| 1993 FC ₃₇ | 1993 04 29.25217 | 12 30 09.04 | +01 03 12.9 | 691 | 1993 FT ₄₁ | 1993 04 15.28057 | 12 18 03.29 | -02 26 21.0 | | 691 |
| 1993 FD ₃₇ | 1993 04 14.23625 | 12 37 51.96 | -02 04 46.4 | 18.4 V | 691 | 1993 FV ₄₁ | 1993 03 28.24745 | 12 33 08.84 | -03 51 38.7 | 691 |
| 1993 FD ₃₇ | 1993 04 14.26818 | 12 37 50.44 | -02 04 35.2 | 691 | 1993 FV ₄₁ | 1993 03 28.27462 | 12 33 07.55 | -03 51 30.3 | 18.7 V | 691 |
| 1993 FD ₃₇ | 1993 04 14.30039 | 12 37 48.85 | -02 04 24.0 | 691 | 1993 FW ₄₁ | 1993 03 28.24619 | 12 31 19.62 | -03 42 42.1 | | 691 |
| 1993 FO ₃₇ | 1993 04 14.24189 | 12 46 00.30 | -02 05 42.8 | 18.4 V | 691 | 1993 FW ₄₁ | 1993 03 28.27335 | 12 31 17.90 | -03 42 35.5 | 18.7 V |
| 1993 FO ₃₇ | 1993 04 14.27382 | 12 45 58.84 | -02 05 32.4 | 691 | 1993 FW ₄₁ | 1993 03 28.30041 | 12 31 16.33 | -03 42 26.2 | | 691 |
| 1993 FO ₃₇ | 1993 04 14.30603 | 12 45 57.36 | -02 05 21.4 | 691 | 1993 FW ₄₁ | 1993 04 15.22059 | 12 14 32.10 | -02 24 46.8 | 18.7 V | 691 |
| 1993 FU ₃₇ | 1993 02 26.43938 | 13 21 55.59 | -05 25 21.2 | 691 | 1993 FW ₄₁ | 1993 04 15.25113 | 12 14 30.61 | -02 24 39.2 | | 691 |
| 1993 FU ₃₇ | 1993 02 26.49767 | 13 21 54.64 | -05 25 20.7 | 19.3 V | 691 | 1993 FW ₄₁ | 1993 04 15.27810 | 12 14 29.15 | -02 24 33.9 | 691 |
| 1993 FU ₃₇ | 1993 02 26.52546 | 13 21 54.24 | -05 25 21.2 | 691 | 1993 FB ₄₂ | 1993 03 28.24957 | 12 36 12.28 | -03 36 32.6 | | 691 |
| 1993 FW ₃₇ | 1993 04 20.29472 | 12 51 01.17 | +00 30 29.3 | 17.4 V | 691 | 1993 FB ₄₂ | 1993 03 28.30379 | 12 36 08.92 | -03 36 18.8 | 18.9 V |
| 1993 FW ₃₇ | 1993 04 20.32633 | 12 50 59.94 | +00 30 47.3 | 691 | 1993 FB ₄₂ | 1993 04 15.22431 | 12 19 54.08 | -02 31 21.8 | | 691 |
| 1993 FW ₃₇ | 1993 04 20.35803 | 12 50 58.73 | +00 31 05.0 | 691 | 1993 FB ₄₂ | 1993 04 15.25485 | 12 19 52.59 | -02 31 16.1 | | 691 |
| 1993 FW ₃₇ | 1993 06 24.20992 | 12 59 41.55 | +02 22 09.5 | 18.8 V | 691 | 1993 FB ₄₂ | 1993 04 15.28182 | 12 19 51.28 | -02 31 11.5 | 19.1 V |
| 1993 FW ₃₇ | 1993 06 24.22856 | 12 59 42.47 | +02 22 04.1 | 691 | 1993 FC ₄₂ | 1993 03 28.25148 | 12 38 57.45 | -03 45 47.9 | | 691 |
| 1993 FW ₃₇ | 1993 06 24.25083 | 12 59 43.58 | +02 21 57.7 | 691 | 1993 FC ₄₂ | 1993 03 28.30570 | 12 38 54.57 | -03 45 39.8 | | 691 |
| 1993 FE ₃₈ | 1993 03 24.33066 | 12 33 32.58 | -00 10 24.5 | 691 | 1993 FC ₄₂ | 1993 04 17.28023 | 12 22 29.11 | -03 03 39.1 | | 691 |
| 1993 FE ₃₈ | 1993 03 24.36255 | 12 33 30.95 | -00 10 09.2 | 18.3 V | 691 | 1993 FC ₄₂ | 1993 04 17.29325 | 12 22 28.51 | -03 03 37.7 | 17.4 V |
| 1993 FE ₃₈ | 1993 03 24.39416 | 12 33 29.35 | -00 09 54.2 | 691 | 1993 FC ₄₂ | 1993 04 17.30625 | 12 22 27.92 | -03 03 36.6 | | 691 |
| 1993 FN ₃₈ | 1993 03 24.33491 | 12 39 39.94 | -00 11 23.4 | 18.2 V | 691 | 1993 FU ₄₂ | 1993 04 29.20276 | 12 22 26.11 | +00 48 16.6 | 691 |
| 1993 FN ₃₈ | 1993 03 24.36679 | 12 39 38.39 | -00 11 11.0 | 691 | 1993 FU ₄₂ | 1993 04 29.22516 | 12 22 25.56 | +00 48 21.9 | 18.5 V | 691 |
| 1993 FN ₃₈ | 1993 03 24.39840 | 12 39 36.85 | -00 10 59.1 | 691 | 1993 FU ₄₂ | 1993 04 29.24681 | 12 22 24.99 | +00 48 27.3 | | 691 |
| 1993 FS ₃₈ | 1993 04 29.19967 | 12 17 59.03 | +00 55 35.8 | 19.7 V | 691 | 1993 FQ ₄₃ | 1993 04 17.21265 | 12 11 01.98 | -00 52 04.9 | 19.4 V |
| 1993 FS ₃₈ | 1993 04 29.22208 | 12 17 58.34 | +00 55 37.0 | 691 | 1993 FQ ₄₃ | 1993 04 17.23403 | 12 11 01.06 | -00 51 59.5 | | 691 |
| 1993 FS ₃₈ | 1993 04 29.24373 | 12 17 57.71 | +00 55 38.8 | 691 | 1993 FQ ₄₃ | 1993 04 17.25536 | 12 11 00.12 | -00 51 55.7 | | 691 |
| 1993 FU ₃₈ | 1993 04 29.20096 | 12 19 50.25 | +01 12 37.5 | 18.3 V | 691 | 1993 FY ₄₃ | 1993 04 17.27392 | 12 13 22.24 | -02 52 04.7 | 18.5 V |
| 1993 FU ₃₈ | 1993 04 29.22336 | 12 19 49.57 | +01 12 40.0 | 691 | 1993 FY ₄₃ | 1993 04 17.28694 | 12 13 21.64 | -02 52 01.6 | | 691 |
| 1993 FU ₃₈ | 1993 04 29.24501 | 12 19 48.94 | +01 12 43.5 | 691 | 1993 FY ₄₃ | 1993 04 17.29993 | 12 13 21.05 | -02 51 58.3 | | 691 |
| 1993 FV ₃₈ | 1993 03 24.33699 | 12 42 40.24 | -00 12 12.5 | 18.4 V | 691 | 1993 FB ₄₄ | 1993 04 17.27730 | 12 18 15.51 | -02 49 57.2 | 18.2 V |
| 1993 FV ₃₈ | 1993 03 24.36887 | 12 42 38.43 | -00 12 04.3 | 691 | 1993 FB ₄₄ | 1993 04 17.29033 | 12 18 15.00 | -02 49 53.5 | | 691 |
| 1993 FV ₃₈ | 1993 03 24.40047 | 12 42 36.63 | -00 11 56.4 | 691 | 1993 FB ₄₄ | 1993 04 17.30332 | 12 18 14.49 | -02 49 49.8 | | 691 |
| 1993 FW ₃₈ | 1993 03 24.33944 | 12 46 12.82 | -00 11 40.0 | 691 | 1993 FC ₄₄ | 1993 03 28.24802 | 12 33 57.75 | -03 40 09.0 | | 691 |
| 1993 FW ₃₈ | 1993 03 24.37133 | 12 46 11.48 | -00 11 23.9 | 19.8 V | 691 | 1993 FC ₄₄ | 1993 03 28.27518 | 12 33 56.46 | -03 39 53.2 | 18.3 V |
| 1993 FW ₃₈ | 1993 03 24.40294 | 12 46 10.16 | -00 11 08.2 | 691 | 1993 FC ₄₄ | 1993 03 28.30224 | 12 33 55.29 | -03 39 33.8 | | 691 |

| | | | | | | | | | | |
|-----------------------|------------------|-------------|-------------|--------|-----|-----------------------|--------------------|-------------|-------------|------------|
| 1993 FG ₄₄ | 1993 03 28.24766 | 12 33 26.66 | -03 54 23.9 | 16.4 V | 691 | 1993 FG ₅₀ | 1993 04 15.20952 | 11 58 33.44 | -02 38 32.0 | 691 |
| 1993 FG ₄₄ | 1993 03 28.27482 | 12 33 25.04 | -03 54 09.1 | | 691 | 1993 FG ₅₀ | 1993 04 15.24007 | 11 58 32.03 | -02 38 23.2 | 18.7 V 691 |
| 1993 FG ₄₄ | 1993 03 28.30188 | 12 33 23.56 | -03 53 50.9 | | 691 | 1993 FG ₅₀ | 1993 04 15.26704 | 11 58 30.77 | -02 38 16.3 | 691 |
| 1993 FH ₄₄ | 1993 04 17.27553 | 12 15 41.79 | -02 41 07.5 | 19.4 V | 691 | 1993 FT ₅₀ | 1993 03 26.29268 | 12 21 43.40 | -04 08 19.8 | 19.4 V 691 |
| 1993 FH ₄₄ | 1993 04 17.28855 | 12 15 41.10 | -02 41 03.7 | | 691 | 1993 FT ₅₀ | 1993 03 26.30216 | 12 21 42.96 | -04 08 17.8 | 691 |
| 1993 FH ₄₄ | 1993 04 17.30154 | 12 15 40.45 | -02 41 00.0 | | 691 | 1993 FT ₅₀ | 1993 03 26.31186 | 12 21 42.53 | -04 08 15.2 | 691 |
| 1993 FK ₄₄ | 1993 03 28.24990 | 12 36 41.21 | -03 46 45.7 | | 691 | 1993 FX ₅₀ | 1993 03 26.29395 | 12 23 44.59 | -04 14 31.5 | 17.9 V 691 |
| 1993 FK ₄₄ | 1993 03 28.27706 | 12 36 39.63 | -03 46 32.6 | 19.3 V | 691 | 1993 FX ₅₀ | 1993 03 26.30343 | 12 23 44.15 | -04 14 27.2 | 691 |
| 1993 FK ₄₄ | 1993 03 28.30412 | 12 36 37.99 | -03 46 16.5 | | 691 | 1993 FX ₅₀ | 1993 03 26.31312 | 12 23 43.70 | -04 14 23.1 | 691 |
| 1993 FZ ₄₅ | 1993 03 28.24349 | 12 27 25.83 | -03 56 03.6 | 19.2 V | 691 | 1993 FY ₅₀ | 1993 03 26.29382 | 12 23 32.93 | -04 04 53.2 | 19.3 V 691 |
| 1993 FZ ₄₅ | 1993 03 28.27066 | 12 27 24.47 | -03 55 57.5 | | 691 | 1993 FY ₅₀ | 1993 03 26.30329 | 12 23 32.47 | -04 04 49.8 | 691 |
| 1993 FZ ₄₅ | 1993 03 28.29771 | 12 27 22.88 | -03 55 48.2 | | 691 | 1993 FY ₅₀ | 1993 03 26.31299 | 12 23 32.05 | -04 04 47.0 | 691 |
| 1993 FA ₄₆ | 1993 03 26.29815 | 12 29 48.15 | -04 14 35.4 | | 691 | 1993 FC ₅₁ | 1993 03 26.29422 | 12 24 08.01 | -04 00 48.6 | 691 |
| 1993 FA ₄₆ | 1993 03 26.30763 | 12 29 47.71 | -04 14 32.5 | 19.0 V | 691 | 1993 FC ₅₁ | 1993 03 26.30370 | 12 24 07.44 | -04 00 44.7 | 18.8 V 691 |
| 1993 FA ₄₆ | 1993 03 26.31732 | 12 29 47.17 | -04 14 28.7 | | 691 | 1993 FC ₅₁ | 1993 03 26.31339 | 12 24 06.99 | -04 00 42.2 | 691 |
| 1993 FA ₄₆ | 1993 03 28.24404 | 12 28 13.48 | -04 03 03.1 | | 691 | 1993 FC ₅₁ | 1993 04 15.21686 | 12 09 09.19 | -02 26 52.0 | 18.8 V 691 |
| 1993 FA ₄₆ | 1993 03 28.27121 | 12 28 12.16 | -04 02 54.1 | | 691 | 1993 FC ₅₁ | 1993 04 15.24741 | 12 09 07.93 | -02 26 44.6 | 691 |
| 1993 FA ₄₆ | 1993 03 28.29827 | 12 28 10.66 | -04 02 41.7 | 19.4 V | 691 | 1993 FC ₅₁ | 1993 04 15.27438 | 12 09 06.82 | -02 26 37.2 | 691 |
| 1993 FA ₄₆ | 1993 04 15.22054 | 12 14 27.96 | -02 19 30.3 | | 691 | 1993 FG ₅₁ | 1993 03 26.29583 | 12 26 26.87 | -03 50 54.9 | 691 |
| 1993 FA ₄₆ | 1993 04 15.25109 | 12 14 26.69 | -02 19 20.8 | 19.2 V | 691 | 1993 FG ₅₁ | 1993 03 26.30530 | 12 26 26.46 | -03 50 51.6 | 18.9 V 691 |
| 1993 FA ₄₆ | 1993 04 15.27806 | 12 14 25.54 | -02 19 12.6 | | 691 | 1993 FG ₅₁ | 1993 03 26.31500 | 12 26 25.98 | -03 50 48.1 | 691 |
| 1993 FC ₄₆ | 1993 03 26.29811 | 12 29 44.95 | -03 47 40.3 | 18.6 V | 691 | 1993 FK ₅₁ | 1993 04 17.21128 | 12 09 03.01 | +01 06 57.5 | 691 |
| 1993 FC ₄₆ | 1993 03 26.30759 | 12 29 44.41 | -03 47 37.3 | | 691 | 1993 FK ₅₁ | 1993 04 17.23266 | 12 09 02.08 | -01 06 50.7 | 20.9 V 691 |
| 1993 FC ₄₆ | 1993 03 26.31728 | 12 29 43.84 | -03 47 33.4 | | 691 | 1993 FK ₅₁ | 1993 04 17.25398 | 12 09 01.11 | -01 06 44.5 | 691 |
| 1993 FD ₄₆ | 1993 03 28.24488 | 12 29 25.72 | -04 05 26.2 | | 691 | 1994 AX ₁ | 1994 01 19.32883 | 08 29 03.37 | +22 03 33.4 | 16.3 V 691 |
| 1993 FD ₄₆ | 1993 03 28.29910 | 12 29 23.00 | -04 05 09.3 | 19.4 V | 691 | 1994 AX ₁ | 1994 01 19.36016 | 08 29 01.72 | +22 03 42.4 | 691 |
| 1993 FJ ₄₆ | 1993 03 26.29847 | 12 30 15.89 | -04 03 17.3 | 18.0 V | 691 | 1994 AX ₁ | 1994 01 19.39132 | 08 29 00.13 | +22 03 51.3 | 691 |
| 1993 FJ ₄₆ | 1993 03 26.30794 | 12 30 15.31 | -04 03 14.0 | | 691 | 1994 EA ₂ | 1994 04 06.17791 | 11 02 45.42 | +05 59 02.9 | 16.8 V 691 |
| 1993 FJ ₄₆ | 1993 03 26.31764 | 12 30 14.73 | -04 03 10.7 | | 691 | 1994 EA ₂ | 1994 04 06.18550 | 11 02 45.52 | +05 59 07.1 | 691 |
| 1993 FJ ₄₆ | 1993 03 28.24413 | 12 28 21.28 | -03 51 48.2 | | 691 | 1994 EA ₂ | 1994 04 06.19128 | 11 02 45.61 | +05 59 10.6 | 691 |
| 1993 FJ ₄₆ | 1993 03 28.27130 | 12 28 19.75 | -03 51 39.1 | 18.0 V | 691 | 1994 EL ₇ | 1994 04 03.38060 | 12 40 42.21 | -02 11 51.8 | 16.0 V 691 |
| 1993 FJ ₄₆ | 1993 03 28.29835 | 12 28 17.97 | -03 51 26.8 | | 691 | 1994 EL ₇ | 1994 04 03.40422 | 12 40 40.83 | -02 11 47.1 | 691 |
| 1993 FS ₄₇ | 1993 04 18.15034 | 12 01 36.37 | -00 38 40.8 | | 691 | 1994 EL ₇ | 1994 04 03.42767 | 12 40 39.44 | -02 11 42.4 | 691 |
| 1993 FS ₄₇ | 1993 04 18.17192 | 12 01 35.43 | -00 38 38.7 | 19.0 V | 691 | 1994 EU ₇ | 1994 03 07.28069 | 10 55 24.88 | +02 47 14.5 | 17.5 V 691 |
| 1993 FS ₄₇ | 1993 04 18.19323 | 12 01 34.48 | -00 38 36.7 | | 691 | 1994 EU ₇ | 1994 03 07.30408 | 10 55 23.37 | +02 47 12.8 | 691 |
| 1993 FQ ₄₈ | 1993 04 18.14404 | 11 52 31.07 | -00 24 11.9 | | 691 | 1994 EU ₇ | 1994 03 07.32727 | 10 55 21.81 | +02 47 11.2 | 691 |
| 1993 FQ ₄₈ | 1993 04 18.16563 | 11 52 30.08 | -00 24 09.0 | 18.7 V | 691 | 1994 GH | 1994 04 10.22377 | 12 30 52.09 | +02 09 27.1 | 691 |
| 1993 FQ ₄₈ | 1993 04 18.18693 | 11 52 29.10 | -00 24 05.6 | | 691 | 1994 GH | 1994 04 10.26487 | 12 30 49.59 | +02 09 49.3 | 691 |
| 1993 FT ₄₈ | 1993 04 17.20543 | 12 00 36.19 | -01 01 26.9 | 17.7 V | 691 | 1994 GJ | * 1994 04 06.38526 | 13 04 33.32 | -07 38 12.4 | 18.0 V 691 |
| 1993 FT ₄₈ | 1993 04 17.22681 | 12 00 35.37 | -01 01 24.1 | | 691 | 1994 GJ | 1994 04 06.40883 | 13 04 31.75 | -07 37 57.3 | 18.1 V 691 |
| 1993 FT ₄₈ | 1993 04 17.24813 | 12 00 34.58 | -01 01 21.6 | | 691 | 1994 GJ | 1994 04 06.43215 | 13 04 30.25 | -07 37 42.1 | 18.3 V 691 |
| 1993 FA ₄₉ | 1993 04 18.14702 | 11 56 49.21 | -00 21 04.5 | 18.5 V | 691 | 1994 GJ | 1994 04 07.30064 | 13 03 36.22 | -07 28 18.1 | 17.9 V 691 |
| 1993 FA ₄₉ | 1993 04 18.16861 | 11 56 48.13 | -00 20 58.5 | | 691 | 1994 GJ | 1994 04 07.37211 | 13 03 31.48 | -07 27 31.4 | 17.9 V 691 |
| 1993 FA ₄₉ | 1993 04 18.18991 | 11 56 47.14 | -00 20 52.1 | | 691 | 1994 GK | * 1994 04 07.15081 | 10 06 50.49 | +08 54 12.6 | 18.0 V 691 |
| 1993 FH ₄₉ | 1993 04 17.21111 | 12 08 48.49 | -00 57 39.6 | 18.6 V | 691 | 1994 GK | 1994 04 07.15800 | 10 07 12.98 | +08 50 28.2 | 18.4 V 691 |
| 1993 FH ₄₉ | 1993 04 17.23249 | 12 08 47.70 | -00 57 33.9 | | 691 | 1994 GK | 1994 04 07.16531 | 10 07 35.27 | +08 46 44.4 | 18.0 V 691 |
| 1993 FH ₄₉ | 1993 04 17.25382 | 12 08 46.90 | -00 57 28.3 | | 691 | 1994 GK | 1994 04 07.17457 | 10 08 03.53 | +08 42 00.3 | 18.3 V 691 |
| 1993 FW ₄₉ | 1993 04 17.20191 | 11 55 31.63 | -01 04 45.0 | 19.3 V | 691 | 1994 GK | 1994 04 07.21231 | 10 09 58.19 | +08 22 42.8 | 691 |
| 1993 FW ₄₉ | 1993 04 17.22329 | 11 55 30.74 | -01 04 39.2 | | 691 | 1994 GK | 1994 04 07.22011 | 10 10 21.98 | +08 18 43.8 | 691 |
| 1993 FW ₄₉ | 1993 04 17.24462 | 11 55 29.91 | -01 04 34.3 | | 691 | 1994 GK | 1994 04 07.22951 | 10 10 50.16 | +08 13 56.4 | 691 |
| 1993 FD ₅₀ | 1993 04 17.20465 | 11 59 28.77 | -01 16 00.0 | | 691 | 1994 GK | 1994 04 07.27233 | 10 12 57.69 | +07 52 25.0 | 691 |
| 1993 FD ₅₀ | 1993 04 17.22603 | 11 59 27.91 | -01 15 53.7 | 18.6 V | 691 | 1994 GK | 1994 04 07.28136 | 10 13 23.92 | +07 47 58.4 | 691 |

| | | | | | | | | | |
|----------------------|--------------------|-------------|-------------|------------|----------------------|--------------------|-------------|-------------|------------|
| 1994 GK | 1994 04 07.29007 | 10 13 49.71 | +07 43 37.1 | 691 | 1994 GS ₁ | 1994 04 02.39125 | 12 23 52.19 | +00 40 03.5 | 691 |
| 1994 GK | 1994 04 08.14197 | 10 50 08.70 | +01 42 31.9 | 691 | 1994 GS ₁ | 1994 04 03.30806 | 12 23 09.70 | +00 44 10.9 | 691 |
| 1994 GK | 1994 04 08.15518 | 10 50 35.35 | +01 37 47.8 | 691 | 1994 GS ₁ | 1994 04 03.33709 | 12 23 08.32 | +00 44 19.6 | 19.3 V 691 |
| 1994 GK | 1994 04 08.30169 | 10 55 21.95 | +00 47 03.8 | 691 | 1994 GS ₁ | 1994 04 03.36580 | 12 23 06.95 | +00 44 26.8 | 691 |
| 1994 GK | 1994 04 09.17204 | 11 19 56.08 | -03 20 12.9 | 691 | 1994 GT ₁ | * 1994 04 02.24777 | 12 24 56.90 | +00 36 53.0 | 691 |
| 1994 GK | 1994 04 09.17779 | 11 20 03.70 | -03 21 34.9 | 691 | 1994 GT ₁ | 1994 04 02.32400 | 12 24 53.06 | +00 37 26.2 | 691 |
| 1994 GK | 1994 04 10.16928 | 11 39 51.18 | -06 38 52.2 | 691 | 1994 GT ₁ | 1994 04 02.39191 | 12 24 49.65 | +00 37 55.8 | 20.0 V 691 |
| 1994 GK | 1994 04 10.17275 | 11 39 54.37 | -06 39 27.1 | 691 | 1994 GT ₁ | 1994 04 03.30872 | 12 24 06.21 | +00 44 24.6 | 20.4 V 691 |
| 1994 GK | 1994 04 10.17711 | 11 39 58.60 | -06 40 09.1 | 691 | 1994 GT ₁ | 1994 04 03.33774 | 12 24 04.75 | +00 44 36.3 | 691 |
| 1994 GL | * 1994 04 07.17445 | 10 07 52.72 | +08 39 17.8 | 18.7 V 691 | 1994 GT ₁ | 1994 04 03.36645 | 12 24 03.37 | +00 44 50.3 | 691 |
| 1994 GL | 1994 04 07.19168 | 10 07 32.93 | +08 42 33.4 | 19.2 V 691 | 1994 GU ₁ | * 1994 04 02.25035 | 12 28 40.61 | +00 39 14.1 | 691 |
| 1994 GL | 1994 04 07.20109 | 10 07 22.33 | +08 44 16.0 | 18.9 V 691 | 1994 GU ₁ | 1994 04 02.32658 | 12 28 36.62 | +00 39 34.3 | 18.4 V 691 |
| 1994 GL | 1994 04 07.23959 | 10 06 38.47 | +08 51 29.4 | 19.3 V 691 | 1994 GU ₁ | 1994 04 02.39449 | 12 28 33.06 | +00 39 52.7 | 691 |
| 1994 GL | 1994 04 07.24615 | 10 06 30.94 | +08 52 43.5 | 19.6 V 691 | 1994 GU ₁ | 1994 04 03.31126 | 12 27 46.75 | +00 43 53.8 | 18.9 V 691 |
| 1994 GL | 1994 04 07.25419 | 10 06 22.37 | +08 54 07.3 | 18.8 V 691 | 1994 GU ₁ | 1994 04 03.34028 | 12 27 45.23 | +00 44 01.3 | 691 |
| 1994 GL | 1994 04 07.31095 | 10 05 19.30 | +09 04 30.3 | 19.4 V 691 | 1994 GU ₁ | 1994 04 03.36899 | 12 27 43.74 | +00 44 08.3 | 691 |
| 1994 GL | 1994 04 08.17030 | 09 51 47.06 | +11 27 41.4 | 691 | 1994 GV ₁ | * 1994 04 02.25332 | 12 32 58.45 | +00 36 18.2 | 691 |
| 1994 GL | 1994 04 08.17753 | 09 51 39.96 | +11 28 49.5 | 691 | 1994 GV ₁ | 1994 04 02.32956 | 12 32 54.69 | +00 37 44.1 | 17.5 V 691 |
| 1994 GL | 1994 04 08.18377 | 09 51 34.27 | +11 29 41.9 | 691 | 1994 GV ₁ | 1994 04 02.39747 | 12 32 51.37 | +00 39 01.3 | 691 |
| 1994 GL | 1994 04 08.19432 | 09 51 23.79 | +11 31 22.4 | 691 | 1994 GV ₁ | 1994 04 03.31429 | 12 32 08.90 | +00 56 12.9 | 18.0 V 691 |
| 1994 GL | 1994 04 08.20048 | 09 51 18.00 | +11 32 15.3 | 691 | 1994 GV ₁ | 1994 04 03.34331 | 12 32 07.47 | +00 56 45.2 | 691 |
| 1994 GL | 1994 04 08.20512 | 09 51 13.75 | +11 32 55.4 | 691 | 1994 GV ₁ | 1994 04 03.37202 | 12 32 06.12 | +00 57 17.5 | 691 |
| 1994 GL | 1994 04 10.13218 | 09 27 30.11 | +15 30 29.0 | 691 | 1994 GW ₁ | * 1994 04 02.25560 | 12 36 15.67 | +00 35 51.8 | 19.5 V 691 |
| 1994 GL | 1994 04 10.13573 | 09 27 27.68 | +15 30 50.4 | 691 | 1994 GW ₁ | 1994 04 02.33183 | 12 36 11.67 | +00 36 31.0 | 691 |
| 1994 GL | 1994 04 10.13998 | 09 27 24.76 | +15 31 17.5 | 691 | 1994 GW ₁ | 1994 04 02.39974 | 12 36 08.16 | +00 37 07.1 | 691 |
| 1994 GV | * 1994 04 13.27739 | 12 59 52.26 | -09 58 27.0 | 18.0 V 691 | 1994 GW ₁ | 1994 04 03.31653 | 12 35 23.10 | +00 45 08.7 | 691 |
| 1994 GV | 1994 04 13.28311 | 13 00 21.77 | -10 01 41.2 | 17.6 V 691 | 1994 GW ₁ | 1994 04 03.34555 | 12 35 21.58 | +00 45 23.9 | 19.8 V 691 |
| 1994 GV | 1994 04 13.28963 | 13 00 55.45 | -10 05 22.8 | 17.7 V 691 | 1994 GW ₁ | 1994 04 03.37426 | 12 35 20.08 | +00 45 38.6 | 691 |
| 1994 GV | 1994 04 13.29683 | 13 01 32.16 | -10 09 23.8 | 17.8 V 691 | 1994 GX ₁ | * 1994 04 02.25613 | 12 37 01.09 | +00 40 35.5 | 17.6 V 691 |
| 1994 GV | 1994 04 13.30353 | 13 02 06.02 | -10 13 05.6 | 17.8 V 691 | 1994 GX ₁ | 1994 04 02.33235 | 12 36 56.50 | +00 41 09.9 | 691 |
| 1994 GV | 1994 04 13.31135 | 13 02 45.80 | -10 17 24.2 | 17.7 V 691 | 1994 GX ₁ | 1994 04 02.40025 | 12 36 52.47 | +00 41 41.1 | 691 |
| 1994 GV | 1994 04 13.32080 | 13 03 33.07 | -10 22 33.1 | 17.6 V 691 | 1994 GX ₁ | 1994 04 03.31695 | 12 35 59.73 | +00 48 40.2 | 18.3 V 691 |
| 1994 GV | 1994 04 13.34541 | 13 05 35.76 | -10 35 44.0 | 17.6 V 691 | 1994 GX ₁ | 1994 04 03.34597 | 12 35 58.04 | +00 48 53.1 | 691 |
| 1994 GV | 1994 04 13.35484 | 13 06 22.12 | -10 40 39.1 | 17.6 V 691 | 1994 GX ₁ | 1994 04 03.37468 | 12 35 56.33 | +00 49 06.1 | 691 |
| 1994 GV | 1994 04 13.40303 | 13 10 17.42 | -11 05 18.8 | 17.5 V 691 | 1994 GY ₁ | * 1994 04 02.31744 | 12 15 24.85 | +00 39 36.9 | 19.8 V 691 |
| 1994 GV | 1994 04 13.43644 | 13 12 57.49 | -11 21 37.3 | 17.6 V 691 | 1994 GY ₁ | 1994 04 02.38535 | 12 15 21.34 | +00 40 01.0 | 691 |
| 1994 GV | 1994 04 13.44252 | 13 13 26.79 | -11 24 33.2 | 17.7 V 691 | 1994 GY ₁ | 1994 04 03.30213 | 12 14 35.47 | +00 45 16.2 | 20.0 V 691 |
| 1994 GV | 1994 04 14.25615 | 14 06 52.23 | -16 10 22.2 | 18.4 V 691 | 1994 GY ₁ | 1994 04 03.33115 | 12 14 33.97 | +00 45 26.1 | 691 |
| 1994 GV | 1994 04 14.27240 | 14 07 36.24 | -16 14 23.7 | 18.6 V 691 | 1994 GY ₁ | 1994 04 03.35986 | 12 14 32.43 | +00 45 34.5 | 691 |
| 1994 GV | 1994 04 14.32923 | 14 10 06.00 | -16 27 54.0 | 18.8 V 691 | 1994 GZ ₁ | * 1994 04 03.31528 | 12 33 34.70 | +01 09 09.5 | 691 |
| 1994 GV | 1994 04 14.37211 | 14 11 55.00 | -16 37 27.5 | 691 | 1994 GZ ₁ | 1994 04 03.34430 | 12 33 33.36 | +01 09 27.2 | 20.1 V 691 |
| 1994 GV | 1994 04 14.40125 | 14 13 08.55 | -16 43 41.3 | 18.8 V 691 | 1994 GZ ₁ | 1994 04 03.37301 | 12 33 32.05 | +01 09 44.8 | 691 |
| 1994 GV | 1994 04 15.32797 | 14 46 08.98 | -19 06 51.2 | 19.9 V 691 | 1994 GZ ₁ | 1994 04 06.34252 | 12 31 22.62 | +01 39 35.4 | 691 |
| 1994 GV | 1994 04 15.33282 | 14 46 15.90 | -19 07 23.5 | 691 | 1994 GZ ₁ | 1994 04 06.35175 | 12 31 22.26 | +01 39 40.8 | 691 |
| 1994 GR ₁ | * 1994 04 02.24087 | 12 14 59.35 | +00 35 50.6 | 691 | 1994 GZ ₁ | 1994 04 06.35908 | 12 31 21.93 | +01 39 45.5 | 20.2 V 691 |
| 1994 GR ₁ | 1994 04 02.31709 | 12 14 54.89 | +00 36 25.8 | 19.4 V 691 | 1994 GA ₂ | * 1994 04 03.31551 | 12 33 54.80 | +01 11 53.4 | 691 |
| 1994 GR ₁ | 1994 04 02.38500 | 12 14 50.95 | +00 36 57.7 | 691 | 1994 GA ₂ | 1994 04 03.34453 | 12 33 53.36 | +01 12 04.2 | 691 |
| 1994 GR ₁ | 1994 04 03.30171 | 12 13 59.62 | +00 43 58.1 | 691 | 1994 GA ₂ | 1994 04 03.37324 | 12 33 51.92 | +01 12 13.3 | 20.4 V 691 |
| 1994 GR ₁ | 1994 04 03.33073 | 12 13 57.94 | +00 44 11.3 | 19.8 V 691 | 1994 GA ₂ | 1994 04 05.33270 | 12 32 17.95 | +01 23 23.0 | 20.2 V 691 |
| 1994 GR ₁ | 1994 04 03.35944 | 12 13 56.27 | +00 44 24.6 | 691 | 1994 GA ₂ | 1994 04 05.35611 | 12 32 16.76 | +01 23 30.6 | 691 |
| 1994 GS ₁ | * 1994 04 02.24710 | 12 23 59.09 | +00 39 23.6 | 18.9 V 691 | 1994 GA ₂ | 1994 04 05.38043 | 12 32 15.60 | +01 23 38.7 | 691 |
| 1994 GS ₁ | 1994 04 02.32333 | 12 23 55.44 | +00 39 44.2 | 691 | 1994 GB ₂ | * 1994 04 03.31567 | 12 34 08.80 | +01 13 18.7 | 20.4 V 691 |

| | | | | | | | | | | | |
|----------------------|--------------------|-------------|-------------|--------|-----|----------------------|--------------------|-------------|-------------|--------|-----|
| 1994 GB ₂ | 1994 04 03.34469 | 12 34 07.01 | +01 13 20.0 | | 691 | 1994 GK ₂ | 1994 04 05.35637 | 12 32 39.03 | +01 36 25.4 | | 691 |
| 1994 GB ₂ | 1994 04 03.37340 | 12 34 05.26 | +01 13 23.2 | | 691 | 1994 GK ₂ | 1994 04 05.38068 | 12 32 37.82 | +01 36 32.0 | | 691 |
| 1994 GB ₂ | 1994 04 05.33262 | 12 32 11.29 | +01 15 45.1 | 20.4 V | 691 | 1994 GK ₂ | 1994 04 06.34285 | 12 31 50.99 | +01 41 01.6 | | 691 |
| 1994 GB ₂ | 1994 04 05.35603 | 12 32 09.83 | +01 15 46.6 | | 691 | 1994 GK ₂ | 1994 04 06.35208 | 12 31 50.55 | +01 41 04.0 | | 691 |
| 1994 GB ₂ | 1994 04 05.38035 | 12 32 08.38 | +01 15 47.8 | | 691 | 1994 GK ₂ | 1994 04 06.35941 | 12 31 50.18 | +01 41 05.6 | 19.9 V | 691 |
| 1994 GC ₂ | * 1994 04 03.31676 | 12 35 43.03 | +00 58 24.9 | 20.2 V | 691 | 1994 GL ₂ | * 1994 04 05.33384 | 12 33 56.67 | +01 28 30.9 | 19.2 V | 691 |
| 1994 GC ₂ | 1994 04 03.34578 | 12 35 41.31 | +00 58 34.0 | | 691 | 1994 GL ₂ | 1994 04 05.35725 | 12 33 55.57 | +01 28 37.7 | | 691 |
| 1994 GC ₂ | 1994 04 03.37448 | 12 35 39.60 | +00 58 43.0 | | 691 | 1994 GL ₂ | 1994 04 05.38157 | 12 33 54.46 | +01 28 44.1 | | 691 |
| 1994 GC ₂ | 1994 04 05.33374 | 12 33 47.97 | +01 08 56.4 | 20.3 V | 691 | 1994 GL ₂ | 1994 04 06.34377 | 12 33 10.94 | +01 33 21.0 | | 691 |
| 1994 GC ₂ | 1994 04 05.35715 | 12 33 46.59 | +01 09 02.7 | | 691 | 1994 GL ₂ | 1994 04 06.35300 | 12 33 10.51 | +01 33 23.6 | | 691 |
| 1994 GC ₂ | 1994 04 05.38146 | 12 33 45.20 | +01 09 10.9 | | 691 | 1994 GL ₂ | 1994 04 06.36033 | 12 33 10.15 | +01 33 25.4 | 19.3 V | 691 |
| 1994 GD ₂ | * 1994 04 03.31682 | 12 35 48.55 | +01 13 08.5 | 20.4 V | 691 | 1994 GM ₂ | * 1994 04 05.33416 | 12 34 24.26 | +01 25 37.1 | 17.0 V | 691 |
| 1994 GD ₂ | 1994 04 03.34585 | 12 35 47.26 | +01 13 18.8 | | 691 | 1994 GM ₂ | 1994 04 05.35757 | 12 34 22.90 | +01 25 43.1 | | 691 |
| 1994 GD ₂ | 1994 04 03.37456 | 12 35 46.00 | +01 13 28.6 | | 691 | 1994 GM ₂ | 1994 04 05.38188 | 12 34 21.51 | +01 25 48.8 | | 691 |
| 1994 GD ₂ | 1994 04 05.33412 | 12 34 20.67 | +01 24 55.8 | | 691 | 1994 GM ₂ | 1994 04 06.34397 | 12 33 28.00 | +01 29 46.7 | | 691 |
| 1994 GD ₂ | 1994 04 05.35753 | 12 34 19.63 | +01 25 03.9 | 20.5 V | 691 | 1994 GM ₂ | 1994 04 06.35320 | 12 33 27.48 | +01 29 49.0 | 17.1 V | 691 |
| 1994 GD ₂ | 1994 04 05.38185 | 12 34 18.57 | +01 25 11.8 | | 691 | 1994 GM ₂ | 1994 04 06.36052 | 12 33 27.04 | +01 29 50.8 | | 691 |
| 1994 GD ₂ | 1994 04 06.34407 | 12 33 36.93 | +01 30 43.4 | | 691 | 1994 GN ₂ | * 1994 04 05.33454 | 12 34 57.17 | +01 33 53.4 | 18.4 V | 691 |
| 1994 GD ₂ | 1994 04 06.35330 | 12 33 36.54 | +01 30 47.9 | | 691 | 1994 GN ₂ | 1994 04 05.35795 | 12 34 55.73 | +01 33 52.9 | | 691 |
| 1994 GD ₂ | 1994 04 06.36063 | 12 33 36.21 | +01 30 49.4 | 20.1 V | 691 | 1994 GN ₂ | 1994 04 05.38226 | 12 34 54.23 | +01 33 51.7 | | 691 |
| 1994 GE ₂ | * 1994 04 03.31793 | 12 37 24.31 | +01 15 49.7 | 20.6 V | 691 | 1994 GN ₂ | 1994 04 06.34430 | 12 33 56.83 | +01 33 23.3 | | 691 |
| 1994 GE ₂ | 1994 04 03.34695 | 12 37 22.67 | +01 15 52.5 | | 691 | 1994 GN ₂ | 1994 04 06.35353 | 12 33 56.27 | +01 33 23.1 | 18.5 V | 691 |
| 1994 GE ₂ | 1994 04 03.37566 | 12 37 21.02 | +01 15 55.4 | | 691 | 1994 GN ₂ | 1994 04 06.36086 | 12 33 55.80 | +01 33 22.9 | | 691 |
| 1994 GE ₂ | 1994 04 05.33496 | 12 35 33.53 | +01 19 10.1 | | 691 | 1994 GO ₂ | * 1994 04 05.33471 | 12 35 12.35 | +01 22 43.7 | 20.4 V | 691 |
| 1994 GE ₂ | 1994 04 05.35837 | 12 35 32.22 | +01 19 12.8 | | 691 | 1994 GO ₂ | 1994 04 05.35813 | 12 35 11.25 | +01 22 53.6 | | 691 |
| 1994 GE ₂ | 1994 04 05.38268 | 12 35 30.87 | +01 19 14.5 | 20.4 V | 691 | 1994 GO ₂ | 1994 04 05.38244 | 12 35 10.11 | +01 23 02.7 | | 691 |
| 1994 GF ₂ | * 1994 04 03.31823 | 12 37 50.43 | +01 10 46.9 | 19.7 V | 691 | 1994 GO ₂ | 1994 04 06.34463 | 12 34 24.99 | +01 29 26.8 | 20.1 V | 691 |
| 1994 GF ₂ | 1994 04 03.34725 | 12 37 48.77 | +01 10 51.3 | | 691 | 1994 GO ₂ | 1994 04 06.35386 | 12 34 24.61 | +01 29 30.0 | | 691 |
| 1994 GF ₂ | 1994 04 03.37596 | 12 37 47.16 | +01 10 55.8 | | 691 | 1994 GO ₂ | 1994 04 06.36118 | 12 34 24.21 | +01 29 32.9 | | 691 |
| 1994 GF ₂ | 1994 04 05.33528 | 12 36 01.34 | +01 15 57.9 | | 691 | 1994 GO ₂ | 1994 04 06.36118 | 12 34 24.21 | +01 29 32.9 | | 691 |
| 1994 GF ₂ | 1994 04 05.38300 | 12 35 58.76 | +01 16 04.7 | 19.7 V | 691 | 1994 GP ₂ | * 1994 04 05.33603 | 12 37 06.70 | +01 25 21.6 | | 691 |
| 1994 GF ₂ | 1994 04 06.34511 | 12 35 07.18 | +01 18 27.1 | 20.3 V | 691 | 1994 GP ₂ | 1994 04 05.35944 | 12 37 05.22 | +01 25 26.2 | 17.0 V | 691 |
| 1994 GF ₂ | 1994 04 06.35434 | 12 35 06.72 | +01 18 28.4 | | 691 | 1994 GP ₂ | 1994 04 05.38375 | 12 37 03.77 | +01 25 30.9 | | 691 |
| 1994 GF ₂ | 1994 04 06.36167 | 12 35 06.29 | +01 18 30.1 | | 691 | 1994 GP ₂ | 1994 04 06.34579 | 12 36 05.84 | +01 28 48.8 | | 691 |
| 1994 GG ₂ | * 1994 04 03.39541 | 13 02 27.82 | -01 49 48.3 | | 691 | 1994 GP ₂ | 1994 04 06.35502 | 12 36 05.27 | +01 28 50.8 | 17.2 V | 691 |
| 1994 GG ₂ | 1994 04 03.41902 | 13 02 26.21 | -01 49 57.2 | 20.0 V | 691 | 1994 GP ₂ | 1994 04 06.36235 | 12 36 04.80 | +01 28 52.2 | | 691 |
| 1994 GG ₂ | 1994 04 03.44246 | 13 02 24.60 | -01 50 06.6 | | 691 | 1994 GQ ₂ | * 1994 04 05.33637 | 12 37 35.69 | +01 36 47.7 | 19.4 V | 691 |
| 1994 GG ₂ | 1994 04 19.26554 | 12 44 59.77 | -03 40 23.2 | | 691 | 1994 GQ ₂ | 1994 04 05.35978 | 12 37 34.46 | +01 36 52.9 | | 691 |
| 1994 GG ₂ | 1994 04 19.27341 | 12 44 59.25 | -03 40 27.2 | | 691 | 1994 GQ ₂ | 1994 04 05.38409 | 12 37 33.30 | +01 36 58.3 | | 691 |
| 1994 GG ₂ | 1994 04 19.28141 | 12 44 58.73 | -03 40 30.7 | 19.2 V | 691 | 1994 GQ ₂ | 1994 04 06.34624 | 12 36 44.68 | +01 40 38.7 | | 691 |
| 1994 GH ₂ | * 1994 04 05.33257 | 12 32 03.15 | +01 31 55.8 | | 691 | 1994 GQ ₂ | 1994 04 06.35547 | 12 36 44.19 | +01 40 40.4 | 19.4 V | 691 |
| 1994 GH ₂ | 1994 04 05.35599 | 12 32 02.05 | +01 32 02.7 | 18.5 V | 691 | 1994 GQ ₂ | 1994 04 06.36280 | 12 36 43.81 | +01 40 42.6 | | 691 |
| 1994 GH ₂ | 1994 04 05.38030 | 12 32 00.91 | +01 32 09.4 | | 691 | 1994 GR ₂ | * 1994 04 05.33647 | 12 37 44.43 | +01 39 33.7 | | 691 |
| 1994 GH ₂ | 1994 04 06.34246 | 12 31 17.55 | +01 36 46.5 | | 691 | 1994 GR ₂ | 1994 04 05.35988 | 12 37 42.97 | +01 39 42.6 | | 691 |
| 1994 GH ₂ | 1994 04 06.35169 | 12 31 17.13 | +01 36 49.2 | 18.4 V | 691 | 1994 GR ₂ | 1994 04 05.38419 | 12 37 41.57 | +01 39 51.5 | 19.6 V | 691 |
| 1994 GH ₂ | 1994 04 06.35902 | 12 31 16.82 | +01 36 51.1 | | 691 | 1994 GR ₂ | 1994 04 06.34623 | 12 36 43.99 | +01 46 04.3 | | 691 |
| 1994 GJ ₂ | * 1994 04 05.33258 | 12 32 03.46 | +01 23 40.9 | 20.0 V | 691 | 1994 GR ₂ | 1994 04 06.35546 | 12 36 43.42 | +01 46 07.9 | 19.6 V | 691 |
| 1994 GJ ₂ | 1994 04 05.35599 | 12 32 02.00 | +01 23 43.2 | | 691 | 1994 GR ₂ | 1994 04 06.36279 | 12 36 42.95 | +01 46 11.1 | | 691 |
| 1994 GJ ₂ | 1994 04 05.38030 | 12 32 00.51 | +01 23 45.1 | | 691 | 1994 GR ₂ | 1994 04 10.22519 | 12 32 55.08 | +02 10 07.8 | 19.5 V | 691 |
| 1994 GJ ₂ | 1994 04 06.35153 | 12 31 03.10 | +01 25 14.6 | 19.8 V | 691 | 1994 GR ₂ | 1994 04 10.26629 | 12 32 52.59 | +02 10 22.5 | | 691 |
| 1994 GJ ₂ | 1994 04 06.35886 | 12 31 02.67 | +01 25 15.3 | | 691 | 1994 GR ₂ | 1994 04 10.30690 | 12 32 50.13 | +02 10 37.5 | | 691 |
| 1994 GK ₂ | * 1994 04 05.33296 | 12 32 40.21 | +01 36 19.4 | 19.9 V | 691 | 1994 GS ₂ | * 1994 04 05.33657 | 12 37 52.86 | +01 32 34.4 | | 691 |
| | | | | | 691 | 1994 GS ₂ | 1994 04 05.35997 | 12 37 51.24 | +01 32 35.4 | | 691 |

| | | | | | | | | | | | |
|----------------------|--------------------|-------------|-------------|--------|-----|----------------------|--------------------|-------------|-------------|--------|-----|
| 1994 GS ₂ | 1994 04 05.38428 | 12 37 49.72 | +01 32 35.5 | 21.0 V | 691 | 1994 GB ₃ | * 1994 04 06.20327 | 13 11 24.27 | -07 58 07.1 | | 691 |
| 1994 GS ₂ | 1994 04 06.34627 | 12 36 46.99 | +01 33 01.2 | 20.8 V | 691 | 1994 GB ₃ | 1994 04 06.22647 | 13 11 23.25 | -07 58 00.9 | | 691 |
| 1994 GS ₂ | 1994 04 06.35549 | 12 36 46.36 | +01 33 01.4 | | 691 | 1994 GB ₃ | 1994 04 06.25413 | 13 11 22.01 | -07 57 53.1 | 20.5 V | 691 |
| 1994 GS ₂ | 1994 04 06.36282 | 12 36 45.85 | +01 33 00.8 | | 691 | 1994 GB ₃ | 1994 04 16.38613 | 13 04 04.79 | -07 11 56.8 | | 691 |
| 1994 GT ₂ | * 1994 04 06.20089 | 13 07 58.18 | -08 05 14.4 | | 691 | 1994 GB ₃ | 1994 04 16.39383 | 13 04 04.53 | -07 11 54.4 | 20.0 V | 691 |
| 1994 GT ₂ | 1994 04 06.22409 | 13 07 56.84 | -08 05 10.4 | | 691 | 1994 GB ₃ | 1994 04 16.40175 | 13 04 04.09 | -07 11 51.7 | | 691 |
| 1994 GT ₂ | 1994 04 06.25174 | 13 07 55.22 | -08 05 06.3 | 18.6 V | 691 | 1994 GC ₃ | * 1994 04 06.20334 | 13 11 30.71 | -07 46 05.1 | 18.3 V | 691 |
| 1994 GT ₂ | 1994 04 11.29160 | 13 03 08.26 | -07 52 54.7 | 18.5 V | 691 | 1994 GC ₃ | 1994 04 06.22655 | 13 11 29.58 | -07 46 00.1 | | 691 |
| 1994 GT ₂ | 1994 04 11.31496 | 13 03 06.91 | -07 52 52.7 | | 691 | 1994 GC ₃ | 1994 04 06.25420 | 13 11 28.21 | -07 45 53.9 | | 691 |
| 1994 GT ₂ | 1994 04 11.33836 | 13 03 05.51 | -07 52 47.9 | | 691 | 1994 GC ₃ | 1994 04 06.38997 | 13 11 21.51 | -07 45 23.8 | | 691 |
| 1994 GU ₂ | * 1994 04 06.20105 | 13 08 12.40 | -08 13 23.8 | | 691 | 1994 GC ₃ | 1994 04 06.41355 | 13 11 20.32 | -07 45 19.0 | 18.4 V | 691 |
| 1994 GU ₂ | 1994 04 06.22426 | 13 08 11.40 | -08 13 13.3 | 20.4 V | 691 | 1994 GC ₃ | 1994 04 06.43687 | 13 11 19.16 | -07 45 13.5 | | 691 |
| 1994 GU ₂ | 1994 04 06.25192 | 13 08 10.21 | -08 12 59.7 | | 691 | 1994 GC ₃ | 1994 04 16.25458 | 13 03 29.16 | -07 09 03.0 | | 691 |
| 1994 GU ₂ | 1994 04 11.21371 | 13 04 43.64 | -07 33 33.3 | | 691 | 1994 GC ₃ | 1994 04 16.26251 | 13 03 28.77 | -07 09 01.5 | 18.0 V | 691 |
| 1994 GU ₂ | 1994 04 11.23980 | 13 04 42.44 | -07 33 21.1 | 20.3 V | 691 | 1994 GC ₃ | 1994 04 16.27040 | 13 03 28.39 | -07 08 59.9 | | 691 |
| 1994 GU ₂ | 1994 04 11.26860 | 13 04 41.17 | -07 33 07.2 | | 691 | 1994 GC ₃ | 1994 04 16.38564 | 13 03 22.82 | -07 08 34.4 | | 691 |
| 1994 GV ₂ | * 1994 04 06.20142 | 13 08 44.04 | -07 56 15.1 | | 691 | 1994 GC ₃ | 1994 04 16.39335 | 13 03 22.43 | -07 08 33.3 | 17.7 V | 691 |
| 1994 GV ₂ | 1994 04 06.22462 | 13 08 42.81 | -07 56 05.8 | | 691 | 1994 GC ₃ | 1994 04 16.40127 | 13 03 22.05 | -07 08 31.3 | | 691 |
| 1994 GV ₂ | 1994 04 06.25227 | 13 08 41.29 | -07 55 55.8 | 19.4 V | 691 | 1994 GD ₃ | * 1994 04 06.20427 | 13 12 50.71 | -07 50 44.3 | 19.3 V | 691 |
| 1994 GV ₂ | 1994 04 11.21349 | 13 04 24.49 | -07 25 27.9 | | 691 | 1994 GD ₃ | 1994 04 06.22747 | 13 12 49.62 | -07 50 36.9 | | 691 |
| 1994 GV ₂ | 1994 04 11.23958 | 13 04 23.08 | -07 25 17.5 | | 691 | 1994 GD ₃ | 1994 04 06.25513 | 13 12 48.29 | -07 50 28.4 | | 691 |
| 1994 GV ₂ | 1994 04 11.26837 | 13 04 21.54 | -07 25 07.3 | 19.2 V | 691 | 1994 GD ₃ | 1994 04 16.38676 | 13 04 59.32 | -06 57 45.4 | 19.1 V | 691 |
| 1994 GW ₂ | * 1994 04 06.20261 | 13 10 27.68 | -07 54 48.5 | 18.8 V | 691 | 1994 GD ₃ | 1994 04 16.39446 | 13 04 58.95 | -06 57 43.1 | | 691 |
| 1994 GW ₂ | 1994 04 06.22580 | 13 10 25.33 | -07 54 57.6 | | 691 | 1994 GD ₃ | 1994 04 16.40238 | 13 04 58.60 | -06 57 40.7 | | 691 |
| 1994 GW ₂ | 1994 04 06.25344 | 13 10 22.55 | -07 55 08.6 | | 691 | 1994 GE ₃ | * 1994 04 06.20534 | 13 14 23.66 | -08 14 26.0 | | 691 |
| 1994 GW ₂ | 1994 04 11.36177 | 13 01 55.45 | -08 28 18.5 | 18.8 V | 691 | 1994 GE ₃ | 1994 04 06.22854 | 13 14 22.63 | -08 14 21.0 | | 691 |
| 1994 GW ₂ | 1994 04 11.38520 | 13 01 53.06 | -08 28 27.6 | | 691 | 1994 GE ₃ | 1994 04 06.25620 | 13 14 21.35 | -08 14 14.0 | 18.9 V | 691 |
| 1994 GW ₂ | 1994 04 11.40881 | 13 01 50.62 | -08 28 36.4 | | 691 | 1994 GE ₃ | 1994 04 16.18485 | 13 06 53.91 | -07 31 52.1 | | 691 |
| 1994 GX ₂ | * 1994 04 06.20276 | 13 10 40.24 | -07 48 19.7 | 18.2 V | 691 | 1994 GE ₃ | 1994 04 16.23350 | 13 06 51.67 | -07 31 39.6 | 18.4 V | 691 |
| 1994 GX ₂ | 1994 04 06.22596 | 13 10 38.93 | -07 48 13.6 | | 691 | 1994 GE ₃ | 1994 04 16.25691 | 13 06 50.61 | -07 31 33.7 | 18.4 V | 691 |
| 1994 GX ₂ | 1994 04 06.25361 | 13 10 37.19 | -07 48 09.3 | | 691 | 1994 GE ₃ | 1994 04 16.26483 | 13 06 50.25 | -07 31 31.4 | | 691 |
| 1994 GX ₂ | 1994 04 11.21442 | 13 05 44.77 | -07 30 38.1 | | 691 | 1994 GE ₃ | 1994 04 16.27272 | 13 06 49.86 | -07 31 28.2 | | 691 |
| 1994 GX ₂ | 1994 04 11.24050 | 13 05 43.19 | -07 30 32.3 | 18.3 V | 691 | 1994 GF ₃ | * 1994 04 06.20552 | 13 14 39.46 | -07 52 14.6 | | 691 |
| 1994 GX ₂ | 1994 04 11.26929 | 13 05 41.43 | -07 30 26.7 | | 691 | 1994 GF ₃ | 1994 04 06.22872 | 13 14 38.12 | -07 52 08.7 | | 691 |
| 1994 GY ₂ | * 1994 04 06.20279 | 13 10 42.80 | -07 51 48.3 | 18.6 V | 691 | 1994 GF ₃ | 1994 04 06.25637 | 13 14 36.45 | -07 52 00.1 | 19.5 V | 691 |
| 1994 GY ₂ | 1994 04 06.22599 | 13 10 41.47 | -07 51 39.6 | | 691 | 1994 GF ₃ | 1994 04 11.21717 | 13 09 43.12 | -07 27 13.7 | 19.6 V | 691 |
| 1994 GY ₂ | 1994 04 06.25364 | 13 10 39.96 | -07 51 30.7 | | 691 | 1994 GF ₃ | 1994 04 11.24325 | 13 09 41.56 | -07 27 06.5 | | 691 |
| 1994 GY ₂ | 1994 04 11.21466 | 13 06 05.53 | -07 20 49.4 | 18.6 V | 691 | 1994 GF ₃ | 1994 04 11.27204 | 13 09 39.79 | -07 26 57.4 | | 691 |
| 1994 GY ₂ | 1994 04 11.24074 | 13 06 04.00 | -07 20 39.9 | | 691 | 1994 GF ₃ | 1994 04 16.25555 | 13 04 52.78 | -07 02 29.8 | 19.6 V | 691 |
| 1994 GY ₂ | 1994 04 11.26954 | 13 06 02.45 | -07 20 29.3 | | 691 | 1994 GF ₃ | 1994 04 16.26347 | 13 04 52.30 | -07 02 28.3 | | 691 |
| 1994 GZ ₂ | * 1994 04 06.20300 | 13 11 00.91 | -08 01 33.6 | 19.7 V | 691 | 1994 GF ₃ | 1994 04 16.27136 | 13 04 51.82 | -07 02 26.2 | | 691 |
| 1994 GZ ₂ | 1994 04 06.22620 | 13 10 59.56 | -08 01 26.2 | | 691 | 1994 GF ₃ | 1994 04 16.38659 | 13 04 45.15 | -07 01 52.6 | 19.3 V | 691 |
| 1994 GZ ₂ | 1994 04 06.25385 | 13 10 57.95 | -08 01 18.2 | | 691 | 1994 GF ₃ | 1994 04 16.39430 | 13 04 44.69 | -07 01 50.1 | | 691 |
| 1994 GZ ₂ | 1994 04 11.21475 | 13 06 13.34 | -07 36 40.6 | 19.7 V | 691 | 1994 GF ₃ | 1994 04 16.40222 | 13 04 44.23 | -07 01 48.4 | | 691 |
| 1994 GZ ₂ | 1994 04 11.24083 | 13 06 11.78 | -07 36 32.8 | | 691 | 1994 GG ₃ | * 1994 04 06.20576 | 13 15 00.44 | -08 02 45.9 | | 691 |
| 1994 GZ ₂ | 1994 04 11.26962 | 13 06 10.08 | -07 36 24.4 | | 691 | 1994 GG ₃ | 1994 04 06.22897 | 13 14 59.43 | -08 02 40.4 | | 691 |
| 1994 GA ₃ | * 1994 04 06.20305 | 13 11 05.11 | -08 10 11.6 | 19.3 V | 691 | 1994 GG ₃ | 1994 04 06.25663 | 13 14 58.19 | -08 02 33.3 | 20.3 V | 691 |
| 1994 GA ₃ | 1994 04 06.22625 | 13 11 03.76 | -08 09 59.5 | | 691 | 1994 GG ₃ | 1994 04 16.25750 | 13 07 41.69 | -07 19 20.8 | | 691 |
| 1994 GA ₃ | 1994 04 06.25390 | 13 11 02.16 | -08 09 46.5 | | 691 | 1994 GG ₃ | 1994 04 16.26542 | 13 07 41.34 | -07 19 18.5 | 20.3 V | 691 |
| 1994 GA ₃ | 1994 04 11.21487 | 13 06 24.15 | -07 28 04.9 | 19.6 V | 691 | 1994 GG ₃ | 1994 04 16.27332 | 13 07 41.01 | -07 19 16.5 | | 691 |
| 1994 GA ₃ | 1994 04 11.24096 | 13 06 22.66 | -07 27 52.0 | | 691 | 1994 GG ₃ | 1994 04 16.38856 | 13 07 35.90 | -07 18 46.9 | | 691 |
| 1994 GA ₃ | 1994 04 11.26975 | 13 06 20.99 | -07 27 37.3 | | 691 | 1994 GG ₃ | 1994 04 16.39627 | 13 07 35.54 | -07 18 44.9 | | 691 |

| | | | | | | | | | | | |
|----------------------|--------------------|-------------|-------------|--------|-----|----------------------|--------------------|-------------|-------------|--------|-----|
| 1994 GG ₃ | 1994 04 16.40419 | 13 07 35.24 | -07 18 42.6 | 20.0 V | 691 | 1994 GQ ₃ | * 1994 04 06.21119 | 13 22 50.64 | -08 00 26.1 | 17.8 V | 691 |
| 1994 GH ₃ | * 1994 04 06.20747 | 13 17 28.07 | -08 13 27.1 | 18.9 V | 691 | 1994 GQ ₃ | 1994 04 06.23439 | 13 22 49.36 | -08 00 18.2 | | 691 |
| 1994 GH ₃ | 1994 04 06.23066 | 13 17 26.49 | -08 13 24.7 | | 691 | 1994 GQ ₃ | 1994 04 06.26205 | 13 22 47.83 | -08 00 08.3 | | 691 |
| 1994 GH ₃ | 1994 04 06.25832 | 13 17 24.69 | -08 13 22.2 | | 691 | 1994 GQ ₃ | 1994 04 11.22313 | 13 18 19.16 | -07 29 11.6 | 17.6 V | 691 |
| 1994 GH ₃ | 1994 04 19.18968 | 13 03 35.46 | -07 46 37.6 | | 691 | 1994 GQ ₃ | 1994 04 11.24921 | 13 18 17.69 | -07 29 02.1 | | 691 |
| 1994 GH ₃ | 1994 04 19.21323 | 13 03 34.00 | -07 46 34.4 | | 691 | 1994 GQ ₃ | 1994 04 11.27800 | 13 18 15.99 | -07 28 50.8 | | 691 |
| 1994 GH ₃ | 1994 04 19.23692 | 13 03 32.52 | -07 46 32.3 | 19.5 V | 691 | 1994 GR ₃ | * 1994 04 06.21128 | 13 22 58.19 | -08 10 43.4 | | 691 |
| 1994 GJ ₃ | * 1994 04 06.20756 | 13 17 36.36 | -08 12 21.3 | | 691 | 1994 GR ₃ | 1994 04 06.23448 | 13 22 56.88 | -08 10 38.1 | 18.4 V | 691 |
| 1994 GJ ₃ | 1994 04 06.23077 | 13 17 35.19 | -08 12 12.4 | 17.6 V | 691 | 1994 GR ₃ | 1994 04 06.26213 | 13 22 55.31 | -08 10 30.8 | | 691 |
| 1994 GJ ₃ | 1994 04 06.25842 | 13 17 33.79 | -08 12 01.7 | | 691 | 1994 GR ₃ | 1994 04 16.18963 | 13 13 47.59 | -07 26 15.7 | 18.5 V | 691 |
| 1994 GJ ₃ | 1994 04 11.21977 | 13 13 28.16 | -07 39 32.9 | | 691 | 1994 GR ₃ | 1994 04 16.21367 | 13 13 46.26 | -07 26 09.7 | | 691 |
| 1994 GJ ₃ | 1994 04 11.24585 | 13 13 26.91 | -07 39 22.9 | 17.1 V | 691 | 1994 GR ₃ | 1994 04 16.23827 | 13 13 44.89 | -07 26 03.2 | | 691 |
| 1994 GJ ₃ | 1994 04 11.27465 | 13 13 25.39 | -07 39 11.9 | | 691 | 1994 GS ₃ | * 1994 04 06.21176 | 13 23 40.24 | -08 04 03.8 | 19.5 V | 691 |
| 1994 GK ₃ | * 1994 04 06.20893 | 13 19 35.14 | -08 06 45.2 | 19.6 V | 691 | 1994 GS ₃ | 1994 04 06.23496 | 13 23 38.90 | -08 03 55.0 | | 691 |
| 1994 GK ₃ | 1994 04 06.23214 | 13 19 34.08 | -08 06 35.2 | | 691 | 1994 GS ₃ | 1994 04 06.26262 | 13 23 37.38 | -08 03 44.5 | | 691 |
| 1994 GK ₃ | 1994 04 06.25980 | 13 19 32.95 | -08 06 22.1 | | 691 | 1994 GS ₃ | 1994 04 11.22368 | 13 19 07.25 | -07 30 08.8 | 19.3 V | 691 |
| 1994 GK ₃ | 1994 04 11.22159 | 13 16 05.60 | -07 27 59.6 | | 691 | 1994 GS ₃ | 1994 04 11.24976 | 13 19 05.75 | -07 29 57.2 | | 691 |
| 1994 GK ₃ | 1994 04 11.24767 | 13 16 04.53 | -07 27 48.3 | 20.1 V | 691 | 1994 GS ₃ | 1994 04 11.27856 | 13 19 04.09 | -07 29 45.4 | | 691 |
| 1994 GK ₃ | 1994 04 11.27647 | 13 16 03.14 | -07 27 34.0 | | 691 | 1994 GT ₃ | * 1994 04 06.21224 | 13 24 21.44 | -07 54 55.5 | | 691 |
| 1994 GL ₃ | * 1994 04 06.20912 | 13 19 51.47 | -08 05 33.3 | | 691 | 1994 GT ₃ | 1994 04 06.23544 | 13 24 20.31 | -07 54 51.8 | 18.7 V | 691 |
| 1994 GL ₃ | 1994 04 06.23233 | 13 19 50.32 | -08 05 29.8 | 17.8 V | 691 | 1994 GT ₃ | 1994 04 06.26310 | 13 24 18.98 | -07 54 46.7 | | 691 |
| 1994 GL ₃ | 1994 04 06.25998 | 13 19 48.97 | -08 05 25.5 | | 691 | 1994 GT ₃ | 1994 04 11.22455 | 13 20 22.39 | -07 39 42.4 | | 691 |
| 1994 GL ₃ | 1994 04 16.18829 | 13 11 51.65 | -07 38 14.1 | 17.9 V | 691 | 1994 GT ₃ | 1994 04 11.25063 | 13 20 21.14 | -07 39 37.6 | 18.7 V | 691 |
| 1994 GL ₃ | 1994 04 16.21234 | 13 11 50.50 | -07 38 10.0 | | 691 | 1994 GT ₃ | 1994 04 11.27943 | 13 20 19.71 | -07 39 32.5 | | 691 |
| 1994 GL ₃ | 1994 04 16.23693 | 13 11 49.29 | -07 38 06.1 | | 691 | 1994 GT ₃ | 1994 04 16.19145 | 13 16 25.84 | -07 24 39.2 | | 691 |
| 1994 GM ₃ | * 1994 04 06.20919 | 13 19 57.19 | -08 01 24.7 | 17.9 V | 691 | 1994 GT ₃ | 1994 04 16.21550 | 13 16 24.71 | -07 24 35.2 | | 691 |
| 1994 GM ₃ | 1994 04 06.23239 | 13 19 56.10 | -08 01 19.2 | | 691 | 1994 GT ₃ | 1994 04 16.24010 | 13 16 23.48 | -07 24 30.9 | 18.6 V | 691 |
| 1994 GM ₃ | 1994 04 06.26005 | 13 19 54.79 | -08 01 12.6 | | 691 | 1994 GU ₃ | * 1994 04 06.21243 | 13 24 38.14 | -07 59 22.0 | 19.5 V | 691 |
| 1994 GM ₃ | 1994 04 11.22156 | 13 16 03.50 | -07 40 24.9 | 17.7 V | 691 | 1994 GU ₃ | 1994 04 06.23564 | 13 24 37.15 | -07 59 15.1 | | 691 |
| 1994 GM ₃ | 1994 04 11.24765 | 13 16 02.29 | -07 40 17.9 | | 691 | 1994 GU ₃ | 1994 04 06.26329 | 13 24 35.89 | -07 59 09.0 | | 691 |
| 1994 GM ₃ | 1994 04 11.27644 | 13 16 00.85 | -07 40 10.9 | | 691 | 1994 GU ₃ | 1994 04 11.22498 | 13 20 59.76 | -07 37 07.5 | | 691 |
| 1994 GM ₃ | 1994 04 16.18852 | 13 12 12.04 | -07 19 31.5 | | 691 | 1994 GU ₃ | 1994 04 11.25106 | 13 20 58.45 | -07 36 59.5 | | 691 |
| 1994 GM ₃ | 1994 04 16.21257 | 13 12 10.90 | -07 19 25.3 | 17.8 V | 691 | 1994 GU ₃ | 1994 04 11.27986 | 13 20 57.13 | -07 36 51.7 | 19.3 V | 691 |
| 1994 GM ₃ | 1994 04 16.23717 | 13 12 09.73 | -07 19 19.3 | | 691 | 1994 GV ₃ | * 1994 04 06.21250 | 13 24 44.28 | -08 09 36.9 | 17.7 V | 691 |
| 1994 GN ₃ | * 1994 04 06.20921 | 13 19 58.70 | -08 06 17.7 | | 691 | 1994 GV ₃ | 1994 04 06.23570 | 13 24 42.75 | -08 09 37.5 | | 691 |
| 1994 GN ₃ | 1994 04 06.23241 | 13 19 57.63 | -08 06 12.7 | 19.7 V | 691 | 1994 GV ₃ | 1994 04 06.26335 | 13 24 40.92 | -08 09 37.9 | | 691 |
| 1994 GN ₃ | 1994 04 06.26007 | 13 19 56.34 | -08 06 05.2 | | 691 | 1994 GV ₃ | 1994 04 11.30273 | 13 19 12.68 | -08 09 57.6 | | 691 |
| 1994 GN ₃ | 1994 04 11.22163 | 13 16 09.66 | -07 44 43.5 | 19.8 V | 691 | 1994 GV ₃ | 1994 04 11.34948 | 13 19 09.33 | -08 09 56.0 | 16.6 V | 691 |
| 1994 GN ₃ | 1994 04 11.24772 | 13 16 08.47 | -07 44 36.9 | | 691 | 1994 GV ₃ | 1994 04 19.19446 | 13 10 29.76 | -08 10 09.2 | | 691 |
| 1994 GN ₃ | 1994 04 11.27651 | 13 16 06.99 | -07 44 30.5 | | 691 | 1994 GV ₃ | 1994 04 19.21801 | 13 10 28.16 | -08 10 09.3 | 17.7 V | 691 |
| 1994 GO ₃ | * 1994 04 06.20937 | 13 20 12.54 | -07 52 16.0 | | 691 | 1994 GV ₃ | 1994 04 19.24170 | 13 10 26.56 | -08 10 09.7 | | 691 |
| 1994 GO ₃ | 1994 04 06.23257 | 13 20 11.44 | -07 52 09.6 | 20.1 V | 691 | 1994 GW ₃ | * 1994 04 06.21269 | 13 25 00.87 | -07 55 54.1 | | 691 |
| 1994 GO ₃ | 1994 04 06.26023 | 13 20 10.12 | -07 52 00.8 | | 691 | 1994 GW ₃ | 1994 04 06.23590 | 13 24 59.70 | -07 55 47.4 | 20.5 V | 691 |
| 1994 GO ₃ | 1994 04 11.22173 | 13 16 17.64 | -07 26 20.6 | | 691 | 1994 GW ₃ | 1994 04 06.26355 | 13 24 58.42 | -07 55 38.8 | | 691 |
| 1994 GO ₃ | 1994 04 11.24781 | 13 16 16.37 | -07 26 11.9 | | 691 | 1994 GW ₃ | 1994 04 11.22503 | 13 21 03.96 | -07 29 34.6 | 20.7 V | 691 |
| 1994 GO ₃ | 1994 04 11.27661 | 13 16 15.00 | -07 26 03.5 | 19.9 V | 691 | 1994 GW ₃ | 1994 04 11.25111 | 13 21 02.74 | -07 29 26.5 | | 691 |
| 1994 GP ₃ | * 1994 04 06.20978 | 13 20 48.06 | -07 53 27.7 | | 691 | 1994 GW ₃ | 1994 04 11.27991 | 13 21 01.31 | -07 29 17.3 | | 691 |
| 1994 GP ₃ | 1994 04 06.23298 | 13 20 46.63 | -07 53 20.0 | | 691 | 1994 GX ₃ | * 1994 04 06.21274 | 13 25 05.07 | -08 16 25.9 | 19.2 V | 691 |
| 1994 GP ₃ | 1994 04 06.26063 | 13 20 45.00 | -07 53 11.9 | 18.6 V | 691 | 1994 GX ₃ | 1994 04 06.23595 | 13 25 04.04 | -08 16 20.3 | | 691 |
| 1994 GP ₃ | 1994 04 11.22149 | 13 15 57.65 | -07 27 30.1 | 18.6 V | 691 | 1994 GX ₃ | 1994 04 06.26361 | 13 25 02.83 | -08 16 13.0 | | 691 |
| 1994 GP ₃ | 1994 04 11.24758 | 13 15 56.11 | -07 27 21.9 | | 691 | 1994 GX ₃ | 1994 04 06.28776 | 13 25 01.68 | -08 16 08.4 | | 691 |
| 1994 GP ₃ | 1994 04 11.27637 | 13 15 54.39 | -07 27 12.7 | | 691 | 1994 GX ₃ | 1994 04 06.31097 | 13 25 00.67 | -08 16 01.2 | 18.6 V | 691 |

| | | | | | | | | | |
|----------------------|--------------------|-------------|-------------|------------|----------------------|--------------------|-------------|-------------|------------|
| 1994 GX ₃ | 1994 04 06.33431 | 13 24 59.68 | -08 15 54.9 | 691 | 1994 GF ₄ | 1994 04 16.19314 | 13 18 51.76 | -07 20 08.7 | 691 |
| 1994 GX ₃ | 1994 04 16.19247 | 13 17 53.48 | -07 31 34.3 | 691 | 1994 GF ₄ | 1994 04 16.21718 | 13 18 50.20 | -07 20 02.1 | 691 |
| 1994 GX ₃ | 1994 04 16.21652 | 13 17 52.42 | -07 31 28.2 | 691 | 1994 GF ₄ | 1994 04 16.24177 | 13 18 48.62 | -07 19 55.7 | 18.5 V 691 |
| 1994 GX ₃ | 1994 04 16.24111 | 13 17 51.33 | -07 31 21.6 | 19.0 V 691 | 1994 GG ₄ | * 1994 04 06.23025 | 13 16 50.21 | -07 54 20.7 | 20.0 V 691 |
| 1994 GY ₃ | * 1994 04 06.21278 | 13 25 08.08 | -08 12 53.3 | 20.3 V 691 | 1994 GG ₄ | 1994 04 06.25790 | 13 16 48.89 | -07 54 13.3 | 691 |
| 1994 GY ₃ | 1994 04 06.23598 | 13 25 06.92 | -08 12 45.0 | 691 | 1994 GG ₄ | 1994 04 11.21947 | 13 13 02.47 | -07 30 53.0 | 691 |
| 1994 GY ₃ | 1994 04 06.26364 | 13 25 05.52 | -08 12 36.5 | 691 | 1994 GG ₄ | 1994 04 11.24556 | 13 13 01.26 | -07 30 44.0 | 691 |
| 1994 GY ₃ | 1994 04 11.22497 | 13 20 58.65 | -07 44 14.5 | 19.8 V 691 | 1994 GG ₄ | 1994 04 11.27435 | 13 12 59.89 | -07 30 35.5 | 20.4 V 691 |
| 1994 GY ₃ | 1994 04 11.25105 | 13 20 57.30 | -07 44 05.6 | 691 | 1994 GG ₄ | 1994 04 16.25857 | 13 09 14.92 | -07 07 15.6 | 20.4 V 691 |
| 1994 GY ₃ | 1994 04 11.27985 | 13 20 55.86 | -07 43 55.4 | 691 | 1994 GG ₄ | 1994 04 16.26650 | 13 09 14.58 | -07 07 13.5 | 691 |
| 1994 GY ₃ | 1994 04 16.19173 | 13 16 49.78 | -07 15 38.3 | 20.0 V 691 | 1994 GG ₄ | 1994 04 16.27439 | 13 09 14.23 | -07 07 11.2 | 691 |
| 1994 GY ₃ | 1994 04 16.21578 | 13 16 48.58 | -07 15 30.7 | 691 | 1994 GH ₄ | * 1994 04 06.27580 | 13 07 45.20 | -08 34 29.2 | 16.8 V 691 |
| 1994 GY ₃ | 1994 04 16.24037 | 13 16 47.28 | -07 15 22.3 | 691 | 1994 GH ₄ | 1994 04 06.29900 | 13 07 44.03 | -08 34 15.3 | 691 |
| 1994 GZ ₃ | * 1994 04 06.21318 | 13 25 42.83 | -07 56 36.6 | 691 | 1994 GH ₄ | 1994 04 06.32234 | 13 07 42.84 | -08 34 01.0 | 691 |
| 1994 GZ ₃ | 1994 04 06.23638 | 13 25 41.72 | -07 56 28.0 | 20.0 V 691 | 1994 GH ₄ | 1994 04 11.21304 | 13 03 45.52 | -07 44 49.1 | 17.1 V 691 |
| 1994 GZ ₃ | 1994 04 06.26404 | 13 25 40.39 | -07 56 17.4 | 691 | 1994 GH ₄ | 1994 04 11.23913 | 13 03 44.16 | -07 44 33.0 | 691 |
| 1994 GZ ₃ | 1994 04 11.22546 | 13 21 41.54 | -07 23 38.6 | 691 | 1994 GH ₄ | 1994 04 11.26792 | 13 03 42.65 | -07 44 15.9 | 691 |
| 1994 GZ ₃ | 1994 04 11.25155 | 13 21 40.29 | -07 23 26.9 | 691 | 1994 GJ ₄ | * 1994 04 06.27582 | 13 07 47.20 | -08 18 22.8 | 691 |
| 1994 GZ ₃ | 1994 04 11.28034 | 13 21 38.81 | -07 23 15.1 | 20.2 V 691 | 1994 GJ ₄ | 1994 04 06.29903 | 13 07 46.03 | -08 18 14.6 | 19.5 V 691 |
| 1994 GA ₄ | * 1994 04 06.21412 | 13 27 04.59 | -08 05 04.0 | 19.4 V 691 | 1994 GJ ₄ | 1994 04 06.32236 | 13 07 44.81 | -08 18 05.5 | 691 |
| 1994 GA ₄ | 1994 04 06.23732 | 13 27 03.37 | -08 05 01.7 | 691 | 1994 GJ ₄ | 1994 04 11.29194 | 13 03 37.74 | -07 47 22.4 | 691 |
| 1994 GA ₄ | 1994 04 06.26498 | 13 27 01.96 | -08 04 58.9 | 691 | 1994 GJ ₄ | 1994 04 11.31530 | 13 03 36.54 | -07 47 14.0 | 19.2 V 691 |
| 1994 GA ₄ | 1994 04 11.30520 | 13 22 46.01 | -07 55 56.4 | 691 | 1994 GJ ₄ | 1994 04 11.33870 | 13 03 35.35 | -07 47 05.0 | 691 |
| 1994 GA ₄ | 1994 04 11.32856 | 13 22 44.65 | -07 55 53.0 | 19.2 V 691 | 1994 GK ₄ | * 1994 04 06.27618 | 13 08 18.24 | -08 18 07.2 | 21.1 V 691 |
| 1994 GA ₄ | 1994 04 11.35195 | 13 22 43.42 | -07 55 50.5 | 691 | 1994 GK ₄ | 1994 04 06.29938 | 13 08 16.95 | -08 18 01.4 | 691 |
| 1994 GB ₄ | * 1994 04 06.21420 | 13 27 11.68 | -07 46 03.1 | 19.5 V 691 | 1994 GK ₄ | 1994 04 06.32272 | 13 08 15.63 | -08 17 54.0 | 691 |
| 1994 GB ₄ | 1994 04 06.23741 | 13 27 10.64 | -07 45 55.8 | 691 | 1994 GK ₄ | 1994 04 11.29211 | 13 03 52.18 | -07 54 41.1 | 20.9 V 691 |
| 1994 GB ₄ | 1994 04 06.26507 | 13 27 09.41 | -07 45 47.8 | 691 | 1994 GK ₄ | 1994 04 11.31547 | 13 03 50.92 | -07 54 35.2 | 691 |
| 1994 GB ₄ | 1994 04 11.22670 | 13 23 28.87 | -07 18 20.9 | 691 | 1994 GK ₄ | 1994 04 11.33887 | 13 03 49.65 | -07 54 28.1 | 691 |
| 1994 GB ₄ | 1994 04 11.25279 | 13 23 27.50 | -07 18 12.6 | 691 | 1994 GL ₄ | * 1994 04 06.27648 | 13 08 44.78 | -08 21 16.4 | 19.0 V 691 |
| 1994 GB ₄ | 1994 04 11.28158 | 13 23 26.17 | -07 18 02.5 | 19.4 V 691 | 1994 GL ₄ | 1994 04 06.29969 | 13 08 43.80 | -08 21 06.7 | 691 |
| 1994 GC ₄ | * 1994 04 06.21441 | 13 27 29.44 | -07 57 27.2 | 18.4 V 691 | 1994 GL ₄ | 1994 04 06.32303 | 13 08 42.81 | -08 20 57.8 | 691 |
| 1994 GC ₄ | 1994 04 06.23761 | 13 27 28.35 | -07 57 20.7 | 691 | 1994 GL ₄ | 1994 04 11.29309 | 13 05 16.98 | -07 48 15.0 | 19.3 V 691 |
| 1994 GC ₄ | 1994 04 06.26527 | 13 27 27.07 | -07 57 12.8 | 691 | 1994 GL ₄ | 1994 04 11.31645 | 13 05 15.95 | -07 48 05.8 | 691 |
| 1994 GC ₄ | 1994 04 11.22686 | 13 23 42.73 | -07 32 38.2 | 18.1 V 691 | 1994 GL ₄ | 1994 04 11.33985 | 13 05 14.96 | -07 47 56.3 | 691 |
| 1994 GC ₄ | 1994 04 11.25295 | 13 23 41.49 | -07 32 30.5 | 691 | 1994 GL ₄ | 1994 04 16.18144 | 13 01 58.26 | -07 16 11.7 | 691 |
| 1994 GC ₄ | 1994 04 11.28174 | 13 23 40.13 | -07 32 22.1 | 691 | 1994 GL ₄ | 1994 04 16.20549 | 13 01 57.25 | -07 16 01.9 | 19.3 V 691 |
| 1994 GD ₄ | * 1994 04 06.21477 | 13 28 01.05 | -07 50 46.2 | 19.3 V 691 | 1994 GL ₄ | 1994 04 16.23009 | 13 01 56.28 | -07 15 52.4 | 691 |
| 1994 GD ₄ | 1994 04 06.23797 | 13 27 59.76 | -07 50 40.9 | 691 | 1994 GL ₄ | 1994 04 16.25380 | 13 01 55.35 | -07 15 43.3 | 691 |
| 1994 GD ₄ | 1994 04 06.26563 | 13 27 58.25 | -07 50 34.7 | 691 | 1994 GL ₄ | 1994 04 16.26173 | 13 01 55.03 | -07 15 39.9 | 19.6 V 691 |
| 1994 GD ₄ | 1994 04 11.22678 | 13 23 35.40 | -07 30 45.2 | 691 | 1994 GL ₄ | 1994 04 16.26962 | 13 01 54.67 | -07 15 37.2 | 691 |
| 1994 GD ₄ | 1994 04 11.25286 | 13 23 33.88 | -07 30 39.5 | 691 | 1994 GM ₄ | * 1994 04 06.27757 | 13 10 18.81 | -08 30 47.6 | 19.8 V 691 |
| 1994 GD ₄ | 1994 04 11.28165 | 13 23 32.31 | -07 30 31.7 | 691 | 1994 GM ₄ | 1994 04 06.30077 | 13 10 17.25 | -08 30 47.2 | 691 |
| 1994 GE ₄ | * 1994 04 06.21545 | 13 28 59.49 | -08 15 10.3 | 691 | 1994 GM ₄ | 1994 04 06.32410 | 13 10 15.66 | -08 30 46.9 | 691 |
| 1994 GE ₄ | 1994 04 06.23865 | 13 28 58.50 | -08 15 01.2 | 691 | 1994 GM ₄ | 1994 04 11.36370 | 13 04 42.36 | -08 29 07.3 | 19.9 V 691 |
| 1994 GE ₄ | 1994 04 06.26631 | 13 28 57.31 | -08 14 49.8 | 20.1 V 691 | 1994 GM ₄ | 1994 04 11.38714 | 13 04 40.77 | -08 29 06.3 | 691 |
| 1994 GE ₄ | 1994 04 11.22811 | 13 25 30.88 | -07 39 37.8 | 19.9 V 691 | 1994 GM ₄ | 1994 04 11.41075 | 13 04 39.16 | -08 29 06.0 | 691 |
| 1994 GE ₄ | 1994 04 11.25420 | 13 25 29.68 | -07 39 25.8 | 691 | 1994 GN ₄ | * 1994 04 06.27837 | 13 11 28.35 | -08 33 11.0 | 18.8 V 691 |
| 1994 GE ₄ | 1994 04 11.28299 | 13 25 28.40 | -07 39 13.3 | 691 | 1994 GN ₄ | 1994 04 06.30158 | 13 11 27.33 | -08 33 03.8 | 691 |
| 1994 GF ₄ | * 1994 04 06.21567 | 13 29 18.40 | -08 05 22.7 | 691 | 1994 GN ₄ | 1994 04 06.32492 | 13 11 26.25 | -08 32 56.6 | 691 |
| 1994 GF ₄ | 1994 04 06.23887 | 13 29 16.96 | -08 05 17.1 | 691 | 1994 GN ₄ | 1994 04 11.29483 | 13 07 48.06 | -08 06 54.0 | 19.2 V 691 |
| 1994 GF ₄ | 1994 04 06.26652 | 13 29 15.18 | -08 05 10.5 | 18.6 V 691 | 1994 GN ₄ | 1994 04 11.31819 | 13 07 46.99 | -08 06 46.5 | 691 |

| | | | | | | | | | | | |
|----------------------|--------------------|-------------|-------------|--------|-----|----------------------|--------------------|-------------|-------------|--------|-----|
| 1994 GN ₄ | 1994 04 11.34159 | 13 07 45.91 | -08 06 39.3 | | 691 | 1994 GU ₄ | 1994 04 11.29612 | 13 09 39.40 | -08 00 36.5 | | 691 |
| 1994 GO ₄ | * 1994 04 06.27839 | 13 11 30.11 | -08 42 27.1 | 17.5 V | 691 | 1994 GU ₄ | 1994 04 11.31948 | 13 09 38.15 | -08 00 29.1 | | 691 |
| 1994 GO ₄ | 1994 04 06.30160 | 13 11 28.76 | -08 42 14.4 | | 691 | 1994 GU ₄ | 1994 04 11.34287 | 13 09 36.88 | -08 00 21.3 | 19.5 V | 691 |
| 1994 GO ₄ | 1994 04 06.32493 | 13 11 27.32 | -08 42 00.4 | | 691 | 1994 GU ₄ | 1994 04 16.18387 | 13 05 28.96 | -07 34 31.5 | 19.6 V | 691 |
| 1994 GO ₄ | 1994 04 16.25398 | 13 02 25.58 | -07 09 12.1 | 18.1 V | 691 | 1994 GU ₄ | 1994 04 16.20792 | 13 05 27.71 | -07 34 23.6 | | 691 |
| 1994 GO ₄ | 1994 04 16.26190 | 13 02 25.15 | -07 09 08.0 | | 691 | 1994 GU ₄ | 1994 04 16.23251 | 13 05 26.44 | -07 34 15.9 | | 691 |
| 1994 GO ₄ | 1994 04 16.26980 | 13 02 24.70 | -07 09 03.9 | | 691 | 1994 GV ₄ | * 1994 04 06.28054 | 13 14 36.40 | -08 40 39.6 | 20.1 V | 691 |
| 1994 GP ₄ | * 1994 04 06.27903 | 13 12 25.10 | -08 32 34.6 | 19.1 V | 691 | 1994 GV ₄ | 1994 04 06.30375 | 13 14 35.02 | -08 40 33.5 | | 691 |
| 1994 GP ₄ | 1994 04 06.30223 | 13 12 23.84 | -08 32 26.1 | | 691 | 1994 GV ₄ | 1994 04 06.32708 | 13 14 33.55 | -08 40 27.6 | | 691 |
| 1994 GP ₄ | 1994 04 06.32557 | 13 12 22.53 | -08 32 17.1 | | 691 | 1994 GV ₄ | 1994 04 11.36712 | 13 09 38.21 | -08 17 04.3 | | 691 |
| 1994 GP ₄ | 1994 04 11.29498 | 13 08 00.68 | -08 01 01.1 | 19.2 V | 691 | 1994 GV ₄ | 1994 04 11.39055 | 13 09 36.80 | -08 16 57.9 | 20.3 V | 691 |
| 1994 GP ₄ | 1994 04 11.31834 | 13 07 59.40 | -08 00 53.2 | | 691 | 1994 GV ₄ | 1994 04 11.41417 | 13 09 35.37 | -08 16 51.7 | | 691 |
| 1994 GP ₄ | 1994 04 11.34173 | 13 07 58.11 | -08 00 43.9 | | 691 | 1994 GW ₄ | * 1994 04 06.28074 | 13 14 53.73 | -08 34 59.5 | | 691 |
| 1994 GP ₄ | 1994 04 16.18273 | 13 03 49.65 | -07 30 28.9 | | 691 | 1994 GW ₄ | 1994 04 06.30395 | 13 14 52.54 | -08 34 55.4 | | 691 |
| 1994 GP ₄ | 1994 04 16.20677 | 13 03 48.40 | -07 30 19.7 | 19.5 V | 691 | 1994 GW ₄ | 1994 04 06.32728 | 13 14 51.29 | -08 34 51.4 | 19.9 V | 691 |
| 1994 GP ₄ | 1994 04 16.23137 | 13 03 47.13 | -07 30 10.9 | | 691 | 1994 GW ₄ | 1994 04 11.36773 | 13 10 31.11 | -08 19 28.0 | 20.0 V | 691 |
| 1994 GQ ₄ | * 1994 04 06.27914 | 13 12 35.11 | -08 28 26.9 | | 691 | 1994 GW ₄ | 1994 04 11.39117 | 13 10 29.89 | -08 19 23.9 | | 691 |
| 1994 GQ ₄ | 1994 04 06.30235 | 13 12 33.85 | -08 28 19.3 | 19.7 V | 691 | 1994 GW ₄ | 1994 04 11.41479 | 13 10 28.60 | -08 19 19.7 | | 691 |
| 1994 GQ ₄ | 1994 04 06.32568 | 13 12 32.51 | -08 28 11.5 | | 691 | 1994 GW ₄ | 1994 04 19.18989 | 13 03 53.63 | -07 55 25.2 | 20.4 V | 691 |
| 1994 GQ ₄ | 1994 04 16.18267 | 13 03 45.06 | -07 32 56.4 | 20.2 V | 691 | 1994 GW ₄ | 1994 04 19.21344 | 13 03 52.39 | -07 55 20.8 | | 691 |
| 1994 GQ ₄ | 1994 04 16.20672 | 13 03 43.77 | -07 32 48.4 | | 691 | 1994 GW ₄ | 1994 04 19.23713 | 13 03 51.21 | -07 55 17.1 | | 691 |
| 1994 GQ ₄ | 1994 04 16.23131 | 13 03 42.45 | -07 32 40.1 | | 691 | 1994 GX ₄ | * 1994 04 06.28083 | 13 15 00.92 | -08 30 51.9 | | 691 |
| 1994 GR ₄ | * 1994 04 06.27935 | 13 12 53.12 | -08 30 48.7 | 20.0 V | 691 | 1994 GX ₄ | 1994 04 06.30403 | 13 14 59.78 | -08 30 42.3 | | 691 |
| 1994 GR ₄ | 1994 04 06.30256 | 13 12 51.97 | -08 30 37.6 | | 691 | 1994 GX ₄ | 1994 04 06.32737 | 13 14 58.59 | -08 30 33.9 | 19.5 V | 691 |
| 1994 GR ₄ | 1994 04 06.32589 | 13 12 50.76 | -08 30 26.7 | | 691 | 1994 GX ₄ | 1994 04 16.18495 | 13 07 02.34 | -07 27 04.9 | | 691 |
| 1994 GR ₄ | 1994 04 11.29549 | 13 08 45.21 | -07 50 04.8 | | 691 | 1994 GX ₄ | 1994 04 16.20900 | 13 07 01.18 | -07 26 55.8 | 19.9 V | 691 |
| 1994 GR ₄ | 1994 04 11.31885 | 13 08 44.06 | -07 49 53.2 | 20.3 V | 691 | 1994 GX ₄ | 1994 04 16.23359 | 13 06 59.97 | -07 26 45.9 | | 691 |
| 1994 GR ₄ | 1994 04 11.34225 | 13 08 42.82 | -07 49 42.3 | | 691 | 1994 GX ₄ | 1994 04 16.25700 | 13 06 58.91 | -07 26 38.1 | | 691 |
| 1994 GR ₄ | 1994 04 16.25547 | 13 04 46.41 | -07 10 15.3 | 20.5 V | 691 | 1994 GX ₄ | 1994 04 16.26493 | 13 06 58.41 | -07 26 33.6 | | 691 |
| 1994 GR ₄ | 1994 04 16.26340 | 13 04 45.99 | -07 10 11.9 | | 691 | 1994 GX ₄ | 1994 04 16.27282 | 13 06 58.02 | -07 26 31.4 | 19.9 V | 691 |
| 1994 GR ₄ | 1994 04 16.27129 | 13 04 45.64 | -07 10 08.2 | | 691 | 1994 GX ₄ | 1994 04 16.38806 | 13 06 52.36 | -07 25 47.5 | | 691 |
| 1994 GS ₄ | * 1994 04 06.27991 | 13 13 41.76 | -08 30 33.3 | | 691 | 1994 GX ₄ | 1994 04 16.39577 | 13 06 51.90 | -07 25 44.8 | 20.1 V | 691 |
| 1994 GS ₄ | 1994 04 06.30312 | 13 13 40.50 | -08 30 24.3 | 17.5 V | 691 | 1994 GX ₄ | 1994 04 16.40369 | 13 06 51.60 | -07 25 40.8 | | 691 |
| 1994 GS ₄ | 1994 04 06.32645 | 13 13 39.18 | -08 30 15.0 | | 691 | 1994 GY ₄ | * 1994 04 06.28250 | 13 17 26.21 | -08 20 29.1 | | 691 |
| 1994 GS ₄ | 1994 04 16.25544 | 13 04 43.86 | -07 24 37.6 | 17.9 V | 691 | 1994 GY ₄ | 1994 04 06.30571 | 13 17 24.87 | -08 20 19.9 | 19.1 V | 691 |
| 1994 GS ₄ | 1994 04 16.26337 | 13 04 43.42 | -07 24 34.4 | | 691 | 1994 GY ₄ | 1994 04 06.32904 | 13 17 23.52 | -08 20 10.6 | | 691 |
| 1994 GS ₄ | 1994 04 16.27126 | 13 04 42.98 | -07 24 31.4 | | 691 | 1994 GY ₄ | 1994 04 16.18574 | 13 08 10.62 | -07 15 41.7 | 19.4 V | 691 |
| 1994 GS ₄ | 1994 04 16.38649 | 13 04 36.58 | -07 23 45.3 | 17.6 V | 691 | 1994 GY ₄ | 1994 04 16.20978 | 13 08 09.24 | -07 15 32.9 | | 691 |
| 1994 GS ₄ | 1994 04 16.39420 | 13 04 36.16 | -07 23 42.2 | | 691 | 1994 GY ₄ | 1994 04 16.23438 | 13 08 07.82 | -07 15 22.5 | | 691 |
| 1994 GS ₄ | 1994 04 16.40212 | 13 04 35.71 | -07 23 39.3 | | 691 | 1994 GY ₄ | 1994 04 16.25778 | 13 08 06.47 | -07 15 13.6 | | 691 |
| 1994 GT ₄ | * 1994 04 06.28001 | 13 13 49.92 | -08 20 51.3 | | 691 | 1994 GY ₄ | 1994 04 16.26571 | 13 08 06.02 | -07 15 10.5 | 19.1 V | 691 |
| 1994 GT ₄ | 1994 04 06.30321 | 13 13 48.74 | -08 20 47.7 | 19.7 V | 691 | 1994 GY ₄ | 1994 04 16.27360 | 13 08 05.57 | -07 15 07.2 | | 691 |
| 1994 GT ₄ | 1994 04 06.32655 | 13 13 47.55 | -08 20 43.9 | | 691 | 1994 GY ₄ | 1994 04 16.38883 | 13 07 58.88 | -07 14 22.3 | 19.0 V | 691 |
| 1994 GT ₄ | 1994 04 11.29607 | 13 09 35.54 | -08 08 57.2 | | 691 | 1994 GY ₄ | 1994 04 16.39653 | 13 07 58.44 | -07 14 18.8 | | 691 |
| 1994 GT ₄ | 1994 04 11.31943 | 13 09 34.33 | -08 08 54.1 | | 691 | 1994 GY ₄ | 1994 04 16.40445 | 13 07 57.97 | -07 14 15.5 | | 691 |
| 1994 GT ₄ | 1994 04 11.34283 | 13 09 33.06 | -08 08 50.3 | 20.1 V | 691 | 1994 GZ ₄ | * 1994 04 06.28282 | 13 17 53.38 | -08 44 56.5 | 20.0 V | 691 |
| 1994 GT ₄ | 1994 04 19.18928 | 13 03 00.78 | -07 50 09.4 | | 691 | 1994 GZ ₄ | 1994 04 06.30602 | 13 17 52.12 | -08 44 47.7 | | 691 |
| 1994 GT ₄ | 1994 04 19.21283 | 13 02 59.62 | -07 50 06.1 | 20.4 V | 691 | 1994 GZ ₄ | 1994 04 06.32935 | 13 17 50.82 | -08 44 38.2 | | 691 |
| 1994 GT ₄ | 1994 04 19.23652 | 13 02 58.40 | -07 50 03.3 | | 691 | 1994 GZ ₄ | 1994 04 16.18665 | 13 09 29.49 | -07 37 45.9 | 20.3 V | 691 |
| 1994 GU ₄ | * 1994 04 06.28011 | 13 13 58.62 | -08 27 13.5 | | 691 | 1994 GZ ₄ | 1994 04 16.21070 | 13 09 28.26 | -07 37 35.6 | | 691 |
| 1994 GU ₄ | 1994 04 06.30331 | 13 13 57.41 | -08 27 06.3 | 19.2 V | 691 | 1994 GZ ₄ | 1994 04 16.23529 | 13 09 26.93 | -07 37 26.1 | | 691 |
| 1994 GU ₄ | 1994 04 06.32665 | 13 13 56.10 | -08 26 58.5 | | 691 | 1994 GA ₅ | * 1994 04 06.28371 | 13 19 11.03 | -08 26 35.3 | | 691 |

| | | | | | | | | | | | |
|----------------------|--------------------|-------------|-------------|--------|-----|----------------------|--------------------|-------------|-------------|--------|-----|
| 1994 GA ₅ | 1994 04 06.30691 | 13 19 09.55 | -08 26 29.7 | | 691 | 1994 GH ₅ | 1994 04 16.18969 | 13 13 52.63 | -07 37 37.2 | 18.5 V | 691 |
| 1994 GA ₅ | 1994 04 06.33025 | 13 19 07.99 | -08 26 24.1 | 19.2 V | 691 | 1994 GH ₅ | 1994 04 16.21373 | 13 13 51.50 | -07 37 31.7 | | 691 |
| 1994 GA ₅ | 1994 04 16.18610 | 13 08 41.85 | -07 45 38.1 | | 691 | 1994 GH ₅ | 1994 04 16.23833 | 13 13 50.34 | -07 37 25.6 | | 691 |
| 1994 GA ₅ | 1994 04 16.21014 | 13 08 40.29 | -07 45 31.6 | | 691 | 1994 GJ ₅ | * 1994 04 06.28648 | 13 23 10.54 | -08 26 43.7 | 19.3 V | 691 |
| 1994 GA ₅ | 1994 04 16.23473 | 13 08 38.67 | -07 45 25.8 | 20.2 V | 691 | 1994 GJ ₅ | 1994 04 06.30969 | 13 23 09.55 | -08 26 35.1 | | 691 |
| 1994 GB ₅ | * 1994 04 06.28397 | 13 19 33.46 | -08 43 31.0 | | 691 | 1994 GJ ₅ | 1994 04 06.33302 | 13 23 08.57 | -08 26 26.7 | | 691 |
| 1994 GB ₅ | 1994 04 06.30717 | 13 19 32.03 | -08 43 28.7 | 18.6 V | 691 | 1994 GJ ₅ | 1994 04 16.19142 | 13 16 22.63 | -07 27 43.2 | 19.5 V | 691 |
| 1994 GB ₅ | 1994 04 11.37061 | 13 14 41.17 | -08 32 38.8 | | 691 | 1994 GJ ₅ | 1994 04 16.21547 | 13 16 21.60 | -07 27 34.8 | | 691 |
| 1994 GB ₅ | 1994 04 11.39405 | 13 14 39.80 | -08 32 35.7 | 19.0 V | 691 | 1994 GJ ₅ | 1994 04 16.24006 | 13 16 20.56 | -07 27 26.0 | | 691 |
| 1994 GB ₅ | 1994 04 11.41767 | 13 14 38.40 | -08 32 32.1 | | 691 | 1994 GK ₅ | * 1994 04 06.28662 | 13 23 22.49 | -08 22 14.8 | | 691 |
| 1994 GB ₅ | 1994 04 19.19226 | 13 07 19.26 | -08 15 38.6 | | 691 | 1994 GK ₅ | 1994 04 06.30982 | 13 23 20.97 | -08 22 15.3 | 19.9 V | 691 |
| 1994 GB ₅ | 1994 04 19.21581 | 13 07 17.92 | -08 15 35.7 | 19.2 V | 691 | 1994 GK ₅ | 1994 04 06.33315 | 13 23 19.52 | -08 22 16.9 | | 691 |
| 1994 GB ₅ | 1994 04 19.23950 | 13 07 16.57 | -08 15 32.9 | | 691 | 1994 GK ₅ | 1994 04 11.37300 | 13 18 08.15 | -08 27 25.4 | 19.8 V | 691 |
| 1994 GC ₅ | * 1994 04 06.28432 | 13 20 03.53 | -08 46 12.1 | | 691 | 1994 GK ₅ | 1994 04 11.39644 | 13 18 06.68 | -08 27 26.8 | | 691 |
| 1994 GC ₅ | 1994 04 06.30752 | 13 20 02.06 | -08 46 05.4 | 19.0 V | 691 | 1994 GK ₅ | 1994 04 11.42006 | 13 18 05.20 | -08 27 28.0 | | 691 |
| 1994 GC ₅ | 1994 04 06.33085 | 13 20 00.62 | -08 45 59.2 | | 691 | 1994 GL ₅ | * 1994 04 06.28688 | 13 23 45.59 | -08 33 13.4 | | 691 |
| 1994 GC ₅ | 1994 04 11.37081 | 13 14 57.89 | -08 21 35.5 | 19.1 V | 691 | 1994 GL ₅ | 1994 04 06.31009 | 13 23 44.56 | -08 33 03.4 | 20.2 V | 691 |
| 1994 GC ₅ | 1994 04 11.39424 | 13 14 56.45 | -08 21 28.3 | | 691 | 1994 GL ₅ | 1994 04 06.33343 | 13 23 43.60 | -08 32 53.9 | | 691 |
| 1994 GC ₅ | 1994 04 11.41786 | 13 14 55.00 | -08 21 21.0 | | 691 | 1994 GL ₅ | 1994 04 16.19178 | 13 16 54.34 | -07 20 11.9 | 20.5 V | 691 |
| 1994 GC ₅ | 1994 04 19.19231 | 13 07 23.08 | -07 44 13.7 | | 691 | 1994 GL ₅ | 1994 04 16.21583 | 13 16 53.32 | -07 20 01.6 | | 691 |
| 1994 GC ₅ | 1994 04 19.21586 | 13 07 21.71 | -07 44 06.4 | | 691 | 1994 GL ₅ | 1994 04 16.24043 | 13 16 52.27 | -07 19 51.7 | | 691 |
| 1994 GC ₅ | 1994 04 19.23955 | 13 07 20.35 | -07 43 59.9 | 19.3 V | 691 | 1994 GM ₅ | * 1994 04 06.28753 | 13 24 41.82 | -08 22 20.4 | 19.1 V | 691 |
| 1994 GD ₅ | * 1994 04 06.28434 | 13 20 05.61 | -08 46 28.6 | 19.0 V | 691 | 1994 GM ₅ | 1994 04 06.31074 | 13 24 40.77 | -08 22 12.2 | | 691 |
| 1994 GD ₅ | 1994 04 06.30755 | 13 20 04.21 | -08 46 21.7 | | 691 | 1994 GM ₅ | 1994 04 06.33408 | 13 24 39.75 | -08 22 03.6 | | 691 |
| 1994 GD ₅ | 1994 04 06.33088 | 13 20 02.90 | -08 46 16.0 | | 691 | 1994 GM ₅ | 1994 04 16.19224 | 13 17 34.09 | -07 22 41.8 | 19.3 V | 691 |
| 1994 GD ₅ | 1994 04 11.37112 | 13 15 25.29 | -08 22 55.7 | | 691 | 1994 GM ₅ | 1994 04 16.21629 | 13 17 33.07 | -07 22 33.1 | | 691 |
| 1994 GD ₅ | 1994 04 11.39456 | 13 15 23.90 | -08 22 48.9 | | 691 | 1994 GM ₅ | 1994 04 16.24089 | 13 17 31.97 | -07 22 24.6 | | 691 |
| 1994 GD ₅ | 1994 04 11.41818 | 13 15 22.54 | -08 22 42.1 | 19.0 V | 691 | 1994 GN ₅ | * 1994 04 06.28795 | 13 25 18.09 | -08 41 16.8 | | 691 |
| 1994 GD ₅ | 1994 04 19.19295 | 13 08 18.29 | -07 46 17.6 | 19.4 V | 691 | 1994 GN ₅ | 1994 04 06.31116 | 13 25 17.05 | -08 41 10.2 | | 691 |
| 1994 GD ₅ | 1994 04 19.21649 | 13 08 16.99 | -07 46 11.1 | | 691 | 1994 GN ₅ | 1994 04 06.33449 | 13 25 16.03 | -08 41 04.3 | 19.7 V | 691 |
| 1994 GD ₅ | 1994 04 19.24019 | 13 08 15.74 | -07 46 04.5 | | 691 | 1994 GN ₅ | 1994 04 11.37537 | 13 21 33.60 | -08 16 09.5 | | 691 |
| 1994 GE ₅ | * 1994 04 06.28483 | 13 20 47.55 | -08 45 46.0 | | 691 | 1994 GN ₅ | 1994 04 11.39882 | 13 21 32.54 | -08 16 01.8 | | 691 |
| 1994 GE ₅ | 1994 04 06.30803 | 13 20 46.27 | -08 45 40.8 | | 691 | 1994 GN ₅ | 1994 04 11.42244 | 13 21 31.47 | -08 15 54.7 | 19.9 V | 691 |
| 1994 GE ₅ | 1994 04 06.33137 | 13 20 44.96 | -08 45 33.9 | 20.1 V | 691 | 1994 GO ₅ | * 1994 04 06.28819 | 13 25 38.87 | -08 32 30.4 | | 691 |
| 1994 GE ₅ | 1994 04 11.37163 | 13 16 09.56 | -08 23 15.2 | | 691 | 1994 GO ₅ | 1994 04 06.31140 | 13 25 37.73 | -08 32 23.7 | 20.0 V | 691 |
| 1994 GE ₅ | 1994 04 11.39507 | 13 16 08.22 | -08 23 08.7 | | 691 | 1994 GO ₅ | 1994 04 06.33473 | 13 25 36.58 | -08 32 16.2 | | 691 |
| 1994 GE ₅ | 1994 04 11.41869 | 13 16 06.88 | -08 23 02.1 | 19.9 V | 691 | 1994 GO ₅ | 1994 04 11.30437 | 13 21 34.65 | -08 05 04.1 | | 691 |
| 1994 GF ₅ | * 1994 04 06.28490 | 13 20 53.76 | -08 46 08.5 | 19.1 V | 691 | 1994 GO ₅ | 1994 04 11.32773 | 13 21 33.46 | -08 04 56.6 | 19.9 V | 691 |
| 1994 GF ₅ | 1994 04 06.30810 | 13 20 52.64 | -08 45 58.7 | | 691 | 1994 GO ₅ | 1994 04 11.35113 | 13 21 32.29 | -08 04 49.2 | | 691 |
| 1994 GF ₅ | 1994 04 06.33144 | 13 20 51.67 | -08 45 50.2 | | 691 | 1994 GO ₅ | 1994 04 16.19223 | 13 17 33.44 | -07 37 51.8 | 20.1 V | 691 |
| 1994 GF ₅ | 1994 04 16.18956 | 13 13 41.41 | -07 40 57.3 | | 691 | 1994 GO ₅ | 1994 04 16.21628 | 13 17 32.22 | -07 37 44.4 | | 691 |
| 1994 GF ₅ | 1994 04 16.21361 | 13 13 40.33 | -07 40 47.8 | 19.4 V | 691 | 1994 GO ₅ | 1994 04 16.24088 | 13 17 31.00 | -07 37 36.2 | | 691 |
| 1994 GF ₅ | 1994 04 16.23820 | 13 13 39.18 | -07 40 37.8 | | 691 | 1994 GP ₅ | * 1994 04 06.28829 | 13 25 47.14 | -08 30 24.7 | | 691 |
| 1994 GG ₅ | * 1994 04 06.28501 | 13 21 03.76 | -08 32 35.9 | | 691 | 1994 GP ₅ | 1994 04 06.31149 | 13 25 45.92 | -08 30 12.4 | | 691 |
| 1994 GG ₅ | 1994 04 06.30822 | 13 21 02.20 | -08 32 33.2 | 18.8 V | 691 | 1994 GP ₅ | 1994 04 06.33483 | 13 25 44.72 | -08 30 01.8 | 18.2 V | 691 |
| 1994 GG ₅ | 1994 04 06.33155 | 13 21 00.68 | -08 32 30.5 | | 691 | 1994 GP ₅ | 1994 04 11.30436 | 13 21 33.61 | -07 48 05.3 | | 691 |
| 1994 GG ₅ | 1994 04 11.37127 | 13 15 37.90 | -08 22 44.2 | 18.9 V | 691 | 1994 GP ₅ | 1994 04 11.32772 | 13 21 32.36 | -07 47 53.0 | | 691 |
| 1994 GG ₅ | 1994 04 11.39470 | 13 15 36.34 | -08 22 41.4 | | 691 | 1994 GP ₅ | 1994 04 11.35112 | 13 21 31.14 | -07 47 41.4 | 18.5 V | 691 |
| 1994 GG ₅ | 1994 04 11.41832 | 13 15 34.79 | -08 22 38.6 | | 691 | 1994 GQ ₅ | * 1994 04 06.28956 | 13 27 37.43 | -08 37 58.3 | | 691 |
| 1994 GH ₅ | * 1994 04 06.28532 | 13 21 29.81 | -08 16 13.9 | | 691 | 1994 GQ ₅ | 1994 04 06.31276 | 13 27 35.98 | -08 37 58.6 | 18.3 V | 691 |
| 1994 GH ₅ | 1994 04 06.30852 | 13 21 28.71 | -08 16 08.3 | 18.3 V | 691 | 1994 GQ ₅ | 1994 04 06.33609 | 13 27 34.53 | -08 37 58.0 | | 691 |
| 1994 GH ₅ | 1994 04 06.33186 | 13 21 27.62 | -08 16 02.9 | | 691 | 1994 GQ ₅ | 1994 04 11.37599 | 13 22 26.63 | -08 35 29.9 | 18.4 V | 691 |

| | | | | | | | | | |
|----------------------|--------------------|-------------|-------------|------------|----------------------|--------------------|-------------|-------------|------------|
| 1994 GQ ₅ | 1994 04 11.39942 | 13 22 25.13 | -08 35 28.4 | 691 | 1994 GA ₆ | 1994 04 06.43327 | 13 06 07.53 | -07 43 26.7 | 691 |
| 1994 GQ ₅ | 1994 04 11.42304 | 13 22 23.64 | -08 35 28.0 | 691 | 1994 GA ₆ | 1994 04 07.30191 | 13 05 25.86 | -07 39 44.1 | 19.7 V 691 |
| 1994 GQ ₅ | 1994 04 16.29012 | 13 17 22.80 | -08 32 44.7 | 18.7 V 691 | 1994 GB ₆ | * 1994 04 06.38684 | 13 06 50.10 | -07 42 54.0 | 19.9 V 691 |
| 1994 GQ ₅ | 1994 04 16.31387 | 13 17 21.29 | -08 32 44.1 | 691 | 1994 GB ₆ | 1994 04 06.41041 | 13 06 48.84 | -07 42 44.5 | 691 |
| 1994 GQ ₅ | 1994 04 16.33790 | 13 17 19.77 | -08 32 42.9 | 691 | 1994 GB ₆ | 1994 04 06.43373 | 13 06 47.64 | -07 42 34.7 | 691 |
| 1994 GR ₅ | * 1994 04 06.29066 | 13 29 12.58 | -08 23 37.1 | 19.1 V 691 | 1994 GB ₆ | 1994 04 07.30236 | 13 06 04.52 | -07 36 40.2 | 19.4 V 691 |
| 1994 GR ₅ | 1994 04 06.31386 | 13 29 11.46 | -08 23 30.6 | 691 | 1994 GC ₆ | * 1994 04 06.38725 | 13 07 25.93 | -07 20 40.0 | 18.3 V 691 |
| 1994 GR ₅ | 1994 04 06.33720 | 13 29 10.37 | -08 23 22.8 | 691 | 1994 GC ₆ | 1994 04 06.41082 | 13 07 24.38 | -07 20 41.0 | 691 |
| 1994 GR ₅ | 1994 04 16.19496 | 13 21 29.86 | -07 31 20.3 | 691 | 1994 GC ₆ | 1994 04 06.43414 | 13 07 22.88 | -07 20 42.4 | 691 |
| 1994 GR ₅ | 1994 04 16.21901 | 13 21 28.67 | -07 31 12.6 | 19.5 V 691 | 1994 GC ₆ | 1994 04 07.30263 | 13 06 28.00 | -07 21 27.9 | 18.3 V 691 |
| 1994 GR ₅ | 1994 04 16.24361 | 13 21 27.48 | -07 31 05.1 | 691 | 1994 GD ₆ | * 1994 04 06.38998 | 13 11 21.82 | -07 32 38.1 | 691 |
| 1994 GS ₅ | * 1994 04 06.29106 | 13 29 47.41 | -08 24 26.8 | 691 | 1994 GD ₆ | 1994 04 06.41355 | 13 11 20.63 | -07 32 34.7 | 19.9 V 691 |
| 1994 GS ₅ | 1994 04 06.31426 | 13 29 46.08 | -08 24 24.3 | 19.4 V 691 | 1994 GD ₆ | 1994 04 06.43687 | 13 11 19.45 | -07 32 31.4 | 691 |
| 1994 GS ₅ | 1994 04 06.33760 | 13 29 44.74 | -08 24 21.5 | 691 | 1994 GD ₆ | 1994 04 11.21550 | 13 07 18.28 | -07 20 44.0 | 691 |
| 1994 GS ₅ | 1994 04 19.22310 | 13 17 49.64 | -07 54 23.6 | 20.0 V 691 | 1994 GD ₆ | 1994 04 11.24158 | 13 07 16.95 | -07 20 39.6 | 691 |
| 1994 GS ₅ | 1994 04 19.24680 | 13 17 48.32 | -07 54 20.4 | 691 | 1994 GD ₆ | 1994 04 11.27038 | 13 07 15.48 | -07 20 36.0 | 19.9 V 691 |
| 1994 GT ₅ | * 1994 04 06.34306 | 12 32 09.42 | +01 47 55.7 | 691 | 1994 GD ₆ | 1994 04 16.38538 | 13 02 59.87 | -07 08 02.5 | 691 |
| 1994 GT ₅ | 1994 04 06.35229 | 12 32 08.96 | +01 47 59.8 | 18.0 V 691 | 1994 GD ₆ | 1994 04 16.39308 | 13 02 59.51 | -07 08 01.3 | 19.7 V 691 |
| 1994 GT ₅ | 1994 04 06.35962 | 12 32 08.55 | +01 48 02.6 | 691 | 1994 GD ₆ | 1994 04 16.40100 | 13 02 59.07 | -07 08 00.3 | 691 |
| 1994 GT ₅ | 1994 04 10.22262 | 12 28 51.91 | +02 14 52.1 | 18.2 V 691 | 1994 GE ₆ | * 1994 04 06.39042 | 13 12 00.19 | -07 40 11.9 | 18.9 V 691 |
| 1994 GT ₅ | 1994 04 10.26374 | 12 28 49.78 | +02 15 08.0 | 691 | 1994 GE ₆ | 1994 04 06.41399 | 13 11 59.13 | -07 40 06.3 | 691 |
| 1994 GT ₅ | 1994 04 10.30436 | 12 28 47.68 | +02 15 24.5 | 691 | 1994 GE ₆ | 1994 04 06.43732 | 13 11 58.08 | -07 40 00.4 | 691 |
| 1994 GU ₅ | * 1994 04 06.34521 | 12 35 15.27 | +01 38 45.4 | 20.3 V 691 | 1994 GE ₆ | 1994 04 16.38656 | 13 04 42.61 | -06 58 56.4 | 18.1 V 691 |
| 1994 GU ₅ | 1994 04 06.35444 | 12 35 14.71 | +01 38 48.2 | 691 | 1994 GE ₆ | 1994 04 16.39427 | 13 04 42.28 | -06 58 54.6 | 691 |
| 1994 GU ₅ | 1994 04 06.36176 | 12 35 14.29 | +01 38 51.1 | 691 | 1994 GE ₆ | 1994 04 16.40219 | 13 04 41.94 | -06 58 52.3 | 691 |
| 1994 GU ₅ | 1994 04 10.22429 | 12 31 37.43 | +01 59 31.1 | 691 | 1994 GF ₆ | * 1994 04 06.39071 | 13 12 25.46 | -07 36 10.5 | 19.1 V 691 |
| 1994 GU ₅ | 1994 04 10.26540 | 12 31 35.09 | +01 59 43.5 | 20.9 V 691 | 1994 GF ₆ | 1994 04 06.41428 | 13 12 24.11 | -07 36 04.7 | 691 |
| 1994 GU ₅ | 1994 04 10.30601 | 12 31 32.81 | +01 59 56.8 | 691 | 1994 GF ₆ | 1994 04 06.43760 | 13 12 22.82 | -07 35 58.9 | 691 |
| 1994 GV ₅ | * 1994 04 06.38325 | 13 01 38.83 | -07 31 50.3 | 691 | 1994 GF ₆ | 1994 04 16.38565 | 13 03 23.53 | -06 54 54.3 | 18.9 V 691 |
| 1994 GV ₅ | 1994 04 06.40682 | 13 01 37.51 | -07 31 37.7 | 691 | 1994 GF ₆ | 1994 04 16.39335 | 13 03 23.08 | -06 54 52.6 | 691 |
| 1994 GV ₅ | 1994 04 06.43014 | 13 01 36.21 | -07 31 25.5 | 20.4 V 691 | 1994 GF ₆ | 1994 04 16.40128 | 13 03 22.66 | -06 54 50.7 | 691 |
| 1994 GV ₅ | 1994 04 07.29873 | 13 00 50.72 | -07 23 46.8 | 20.0 V 691 | 1994 GG ₆ | * 1994 04 06.39178 | 13 13 58.45 | -07 36 43.5 | 691 |
| 1994 GW ₅ | 1994 04 06.19820 | 13 04 04.79 | -07 47 00.6 | 691 | 1994 GG ₆ | 1994 04 06.41535 | 13 13 57.05 | -07 36 38.4 | 17.6 V 691 |
| 1994 GW ₅ | 1994 04 06.22140 | 13 04 03.59 | -07 46 52.1 | 19.1 V 691 | 1994 GG ₆ | 1994 04 06.43868 | 13 13 55.67 | -07 36 33.5 | 691 |
| 1994 GW ₅ | * 1994 04 06.38481 | 13 03 54.39 | -07 45 56.0 | 691 | 1994 GG ₆ | 1994 04 16.25536 | 13 04 36.51 | -07 01 53.3 | 17.4 V 691 |
| 1994 GW ₅ | 1994 04 06.40838 | 13 03 53.09 | -07 45 47.7 | 19.9 V 691 | 1994 GG ₆ | 1994 04 16.26328 | 13 04 36.04 | -07 01 51.6 | 691 |
| 1994 GW ₅ | 1994 04 06.43170 | 13 03 51.83 | -07 45 39.4 | 691 | 1994 GG ₆ | 1994 04 16.27118 | 13 04 35.60 | -07 01 50.4 | 691 |
| 1994 GW ₅ | 1994 04 07.30029 | 13 03 05.47 | -07 40 44.6 | 19.1 V 691 | 1994 GG ₆ | 1994 04 16.38640 | 13 04 28.89 | -07 01 26.4 | 17.1 V 691 |
| 1994 GX ₅ | * 1994 04 06.38561 | 13 05 03.88 | -07 40 00.6 | 691 | 1994 GG ₆ | 1994 04 16.39411 | 13 04 28.45 | -07 01 24.8 | 691 |
| 1994 GX ₅ | 1994 04 06.40918 | 13 05 02.52 | -07 39 48.8 | 691 | 1994 GG ₆ | 1994 04 16.40203 | 13 04 28.01 | -07 01 22.8 | 691 |
| 1994 GX ₅ | 1994 04 06.43250 | 13 05 01.06 | -07 39 38.0 | 20.7 V 691 | 1994 GH ₆ | * 1994 04 06.39357 | 13 16 33.08 | -07 34 21.1 | 691 |
| 1994 GX ₅ | 1994 04 07.30105 | 13 04 11.66 | -07 32 44.4 | 20.1 V 691 | 1994 GH ₆ | 1994 04 06.41714 | 13 16 31.54 | -07 34 16.1 | 19.2 V 691 |
| 1994 GY ₅ | * 1994 04 06.38613 | 13 05 48.73 | -07 27 01.1 | 691 | 1994 GH ₆ | 1994 04 06.44046 | 13 16 30.02 | -07 34 11.5 | 691 |
| 1994 GY ₅ | 1994 04 06.40970 | 13 05 47.31 | -07 26 55.0 | 19.4 V 691 | 1994 GH ₆ | 1994 04 16.25631 | 13 05 59.04 | -07 01 01.0 | 691 |
| 1994 GY ₅ | 1994 04 06.43302 | 13 05 45.89 | -07 26 48.9 | 691 | 1994 GH ₆ | 1994 04 16.26424 | 13 05 58.49 | -07 00 59.4 | 19.0 V 691 |
| 1994 GY ₅ | 1994 04 07.30155 | 13 04 54.66 | -07 23 04.8 | 18.9 V 691 | 1994 GH ₆ | 1994 04 16.27213 | 13 05 58.00 | -07 00 58.2 | 691 |
| 1994 GZ ₅ | * 1994 04 06.38627 | 13 06 01.16 | -07 26 51.9 | 691 | 1994 GH ₆ | 1994 04 16.38735 | 13 05 50.36 | -07 00 34.9 | 691 |
| 1994 GZ ₅ | 1994 04 06.40985 | 13 05 59.94 | -07 26 42.0 | 20.3 V 691 | 1994 GH ₆ | 1994 04 16.39505 | 13 05 49.82 | -07 00 33.1 | 691 |
| 1994 GZ ₅ | 1994 04 06.43317 | 13 05 58.79 | -07 26 32.8 | 691 | 1994 GH ₆ | 1994 04 16.40297 | 13 05 49.30 | -07 00 31.3 | 18.9 V 691 |
| 1994 GZ ₅ | 1994 04 07.30179 | 13 05 15.86 | -07 20 51.1 | 19.8 V 691 | 1994 GJ ₆ | * 1994 04 06.39562 | 13 19 30.47 | -07 31 59.7 | 691 |
| 1994 GA ₆ | * 1994 04 06.38637 | 13 06 09.83 | -07 43 38.7 | 691 | 1994 GJ ₆ | 1994 04 06.41919 | 13 19 28.91 | -07 31 57.0 | 20.9 V 691 |
| 1994 GA ₆ | 1994 04 06.40995 | 13 06 08.66 | -07 43 32.7 | 20.2 V 691 | 1994 GJ ₆ | 1994 04 06.44250 | 13 19 27.30 | -07 31 53.9 | 691 |

| | | | | | | | | | | |
|----------------------|--------------------|-------------|-------------|--------|-----|----------------------|--------------------|-------------|-------------|------------|
| 1994 GJ ₆ | 1994 04 16.25817 | 13 08 39.62 | -07 13 18.7 | 20.6 V | 691 | 1994 GQ ₆ | 1994 04 16.21067 | 13 09 26.12 | -07 15 19.8 | 691 |
| 1994 GJ ₆ | 1994 04 16.26609 | 13 08 39.07 | -07 13 17.9 | | 691 | 1994 GQ ₆ | 1994 04 16.23527 | 13 09 25.01 | -07 15 13.6 | 691 |
| 1994 GJ ₆ | 1994 04 16.27398 | 13 08 38.58 | -07 13 17.7 | | 691 | 1994 GR ₆ | * 1994 04 11.22662 | 13 23 21.75 | -07 40 07.9 | 19.5 V 691 |
| 1994 GK ₆ | * 1994 04 06.40176 | 13 28 22.68 | -07 34 09.7 | | 691 | 1994 GR ₆ | 1994 04 11.25270 | 13 23 20.37 | -07 40 01.2 | 691 |
| 1994 GK ₆ | 1994 04 06.42533 | 13 28 21.12 | -07 34 06.9 | 20.0 V | 691 | 1994 GR ₆ | 1994 04 11.28150 | 13 23 18.83 | -07 39 53.8 | 691 |
| 1994 GK ₆ | 1994 04 06.44865 | 13 28 19.63 | -07 34 03.7 | | 691 | 1994 GR ₆ | 1994 04 16.19332 | 13 19 07.72 | -07 18 29.1 | 691 |
| 1994 GK ₆ | 1994 04 11.22654 | 13 23 15.16 | -07 22 52.3 | 19.5 V | 691 | 1994 GR ₆ | 1994 04 16.21737 | 13 19 06.45 | -07 18 22.8 | 19.3 V 691 |
| 1994 GK ₆ | 1994 04 11.25262 | 13 23 13.43 | -07 22 48.0 | | 691 | 1994 GR ₆ | 1994 04 16.24196 | 13 19 05.19 | -07 18 16.6 | 691 |
| 1994 GK ₆ | 1994 04 11.28141 | 13 23 11.46 | -07 22 43.9 | | 691 | 1994 GS ₆ | * 1994 04 11.29395 | 13 06 32.03 | -08 07 08.9 | 19.5 V 691 |
| 1994 GL ₆ | * 1994 04 06.40988 | 13 06 03.10 | -07 42 31.6 | | 691 | 1994 GS ₆ | 1994 04 11.31731 | 13 06 30.74 | -08 06 57.7 | 691 |
| 1994 GL ₆ | 1994 04 06.43320 | 13 06 01.72 | -07 42 29.5 | 20.6 V | 691 | 1994 GS ₆ | 1994 04 11.34071 | 13 06 29.39 | -08 06 45.3 | 691 |
| 1994 GL ₆ | 1994 04 07.30173 | 13 05 10.39 | -07 41 14.4 | 19.5 V | 691 | 1994 GS ₆ | 1994 04 16.18159 | 13 02 11.65 | -07 26 34.9 | 691 |
| 1994 GM ₆ | * 1994 04 11.21778 | 13 10 35.43 | -07 39 28.3 | | 691 | 1994 GS ₆ | 1994 04 16.20564 | 13 02 10.34 | -07 26 22.7 | 691 |
| 1994 GM ₆ | 1994 04 11.24386 | 13 10 33.91 | -07 39 20.4 | 18.5 V | 691 | 1994 GS ₆ | 1994 04 16.23023 | 13 02 09.01 | -07 26 10.9 | 19.6 V 691 |
| 1994 GM ₆ | 1994 04 11.27265 | 13 10 32.19 | -07 39 12.2 | | 691 | 1994 GS ₆ | 1994 04 16.38469 | 13 02 00.59 | -07 24 54.6 | 691 |
| 1994 GM ₆ | 1994 04 16.18418 | 13 05 55.58 | -07 14 40.4 | 18.2 V | 691 | 1994 GS ₆ | 1994 04 16.39240 | 13 02 00.17 | -07 24 50.1 | 19.3 V 691 |
| 1994 GM ₆ | 1994 04 16.20823 | 13 05 54.20 | -07 14 33.1 | | 691 | 1994 GS ₆ | 1994 04 16.40032 | 13 01 59.75 | -07 24 46.6 | 691 |
| 1994 GM ₆ | 1994 04 16.23282 | 13 05 52.81 | -07 14 26.2 | | 691 | 1994 GT ₆ | * 1994 04 11.29726 | 13 11 18.79 | -07 49 14.4 | 691 |
| 1994 GN ₆ | * 1994 04 11.21812 | 13 11 04.88 | -07 41 38.5 | | 691 | 1994 GT ₆ | 1994 04 11.32062 | 13 11 17.48 | -07 49 07.0 | 20.7 V 691 |
| 1994 GN ₆ | 1994 04 11.24420 | 13 11 03.94 | -07 41 28.8 | | 691 | 1994 GT ₆ | 1994 04 11.34402 | 13 11 16.16 | -07 48 59.2 | 691 |
| 1994 GN ₆ | 1994 04 11.27300 | 13 11 02.88 | -07 41 21.7 | 17.9 V | 691 | 1994 GT ₆ | 1994 04 16.18492 | 13 07 00.19 | -07 22 27.6 | 20.4 V 691 |
| 1994 GN ₆ | 1994 04 16.18573 | 13 08 10.26 | -07 16 01.6 | 17.9 V | 691 | 1994 GT ₆ | 1994 04 16.20897 | 13 06 58.85 | -07 22 19.6 | 691 |
| 1994 GN ₆ | 1994 04 16.20979 | 13 08 09.41 | -07 15 53.8 | | 691 | 1994 GT ₆ | 1994 04 16.23356 | 13 06 57.54 | -07 22 12.2 | 691 |
| 1994 GN ₆ | 1994 04 16.23438 | 13 08 08.52 | -07 15 46.0 | | 691 | 1994 GT ₆ | 1994 04 16.25697 | 13 06 56.26 | -07 22 04.2 | 691 |
| 1994 GN ₆ | 1994 04 16.25780 | 13 08 07.72 | -07 15 39.2 | | 691 | 1994 GT ₆ | 1994 04 16.26490 | 13 06 55.89 | -07 22 01.0 | 21.0 V 691 |
| 1994 GN ₆ | 1994 04 16.26572 | 13 08 07.41 | -07 15 36.6 | | 691 | 1994 GT ₆ | 1994 04 16.27279 | 13 06 55.46 | -07 21 58.9 | 691 |
| 1994 GN ₆ | 1994 04 16.27362 | 13 08 07.13 | -07 15 34.1 | 17.9 V | 691 | 1994 GU ₆ | * 1994 04 11.31009 | 13 29 49.68 | -08 00 52.5 | 691 |
| 1994 GO ₆ | * 1994 04 11.21898 | 13 12 20.20 | -07 23 37.3 | 20.2 V | 691 | 1994 GU ₆ | 1994 04 11.33345 | 13 29 48.30 | -08 00 46.6 | 19.4 V 691 |
| 1994 GO ₆ | 1994 04 11.24507 | 13 12 18.81 | -07 23 30.6 | | 691 | 1994 GU ₆ | 1994 04 11.35684 | 13 29 46.97 | -08 00 42.0 | 691 |
| 1994 GO ₆ | 1994 04 11.27386 | 13 12 17.39 | -07 23 23.8 | | 691 | 1994 GU ₆ | 1994 04 16.19748 | 13 25 08.20 | -07 41 22.7 | 691 |
| 1994 GO ₆ | 1994 04 16.25782 | 13 08 09.32 | -07 02 44.9 | | 691 | 1994 GU ₆ | 1994 04 16.22153 | 13 25 06.76 | -07 41 17.2 | 19.8 V 691 |
| 1994 GO ₆ | 1994 04 16.26574 | 13 08 08.90 | -07 02 41.6 | 20.1 V | 691 | 1994 GU ₆ | 1994 04 16.24612 | 13 25 05.28 | -07 41 11.7 | 691 |
| 1994 GO ₆ | 1994 04 16.27363 | 13 08 08.40 | -07 02 39.7 | | 691 | 1994 GV ₆ | * 1994 04 11.31049 | 13 30 24.93 | -08 03 19.1 | 691 |
| 1994 GO ₆ | 1994 04 16.38887 | 13 08 02.68 | -07 02 12.0 | | 691 | 1994 GV ₆ | 1994 04 11.33386 | 13 30 23.79 | -08 03 12.3 | 20.0 V 691 |
| 1994 GO ₆ | 1994 04 16.39658 | 13 08 02.30 | -07 02 09.6 | | 691 | 1994 GV ₆ | 1994 04 11.35725 | 13 30 22.61 | -08 03 04.9 | 691 |
| 1994 GO ₆ | 1994 04 16.40450 | 13 08 01.87 | -07 02 08.3 | 20.0 V | 691 | 1994 GV ₆ | 1994 04 16.19844 | 13 26 31.02 | -07 38 58.1 | 19.9 V 691 |
| 1994 GP ₆ | * 1994 04 11.21904 | 13 12 25.38 | -07 39 39.1 | | 691 | 1994 GV ₆ | 1994 04 16.22249 | 13 26 29.80 | -07 38 50.8 | 691 |
| 1994 GP ₆ | 1994 04 11.24513 | 13 12 24.18 | -07 39 32.4 | 17.5 V | 691 | 1994 GV ₆ | 1994 04 16.24708 | 13 26 28.62 | -07 38 44.0 | 691 |
| 1994 GP ₆ | 1994 04 11.27393 | 13 12 22.83 | -07 39 25.3 | | 691 | 1994 GW ₆ | * 1994 04 11.36804 | 13 10 58.44 | -08 14 25.6 | 691 |
| 1994 GP ₆ | 1994 04 16.18611 | 13 08 42.93 | -07 18 29.2 | | 691 | 1994 GW ₆ | 1994 04 11.39148 | 13 10 57.00 | -08 14 16.2 | 691 |
| 1994 GP ₆ | 1994 04 16.21016 | 13 08 41.85 | -07 18 23.1 | | 691 | 1994 GW ₆ | 1994 04 11.41510 | 13 10 55.57 | -08 14 06.6 | 19.8 V 691 |
| 1994 GP ₆ | 1994 04 16.23476 | 13 08 40.73 | -07 18 17.1 | 17.5 V | 691 | 1994 GW ₆ | 1994 04 16.18444 | 13 06 18.49 | -07 40 52.8 | 691 |
| 1994 GP ₆ | 1994 04 16.25817 | 13 08 39.65 | -07 18 11.1 | | 691 | 1994 GW ₆ | 1994 04 16.20849 | 13 06 17.07 | -07 40 42.7 | 691 |
| 1994 GP ₆ | 1994 04 16.26609 | 13 08 39.29 | -07 18 09.1 | 17.5 V | 691 | 1994 GW ₆ | 1994 04 16.23308 | 13 06 15.57 | -07 40 32.2 | 19.9 V 691 |
| 1994 GP ₆ | 1994 04 16.27398 | 13 08 38.93 | -07 18 07.0 | | 691 | 1994 GX ₆ | * 1994 04 11.36934 | 13 12 51.10 | -08 39 19.8 | 18.9 V 691 |
| 1994 GP ₆ | 1994 04 16.38923 | 13 08 33.64 | -07 17 38.5 | 17.2 V | 691 | 1994 GX ₆ | 1994 04 11.39278 | 13 12 49.72 | -08 39 11.0 | 691 |
| 1994 GP ₆ | 1994 04 16.39694 | 13 08 33.30 | -07 17 36.1 | | 691 | 1994 GX ₆ | 1994 04 11.41640 | 13 12 48.34 | -08 39 01.9 | 691 |
| 1994 GP ₆ | 1994 04 16.40486 | 13 08 32.94 | -07 17 34.0 | | 691 | 1994 GX ₆ | 1994 04 19.19096 | 13 05 26.22 | -07 50 06.4 | 19.1 V 691 |
| 1994 GQ ₆ | * 1994 04 11.21953 | 13 13 07.46 | -07 39 56.6 | | 691 | 1994 GX ₆ | 1994 04 19.21451 | 13 05 24.90 | -07 49 57.9 | 691 |
| 1994 GQ ₆ | 1994 04 11.24561 | 13 13 06.15 | -07 39 48.9 | 20.3 V | 691 | 1994 GX ₆ | 1994 04 19.23820 | 13 05 23.58 | -07 49 49.5 | 691 |
| 1994 GQ ₆ | 1994 04 11.27441 | 13 13 04.98 | -07 39 40.3 | | 691 | 1994 GY ₆ | * 1994 04 11.36953 | 13 13 07.31 | -08 17 28.8 | 18.9 V 691 |
| 1994 GQ ₆ | 1994 04 16.18662 | 13 09 27.17 | -07 15 27.0 | 20.3 V | 691 | 1994 GY ₆ | 1994 04 11.39297 | 13 13 05.84 | -08 17 23.7 | 691 |

| | | | | | | | | | | | |
|----------------------|--------------------|-------------|-------------|--------|-----|----------------------|--------------------|-------------|-------------|--------|-----|
| 1994 GY ₆ | 1994 04 11.41658 | 13 13 04.36 | -08 17 18.7 | | 691 | 1994 GH ₇ | 1994 04 11.40159 | 13 25 32.81 | -08 22 47.4 | | 691 |
| 1994 GY ₆ | 1994 04 19.19089 | 13 05 20.06 | -07 50 32.3 | 19.2 V | 691 | 1994 GH ₇ | 1994 04 11.42521 | 13 25 31.34 | -08 22 45.4 | | 691 |
| 1994 GY ₆ | 1994 04 19.21444 | 13 05 18.68 | -07 50 27.6 | | 691 | 1994 GH ₇ | 1994 04 16.29238 | 13 20 38.12 | -08 15 46.8 | | 691 |
| 1994 GY ₆ | 1994 04 19.23813 | 13 05 17.27 | -07 50 22.7 | | 691 | 1994 GH ₇ | 1994 04 16.31613 | 13 20 36.63 | -08 15 45.0 | 19.7 V | 691 |
| 1994 GZ ₆ | * 1994 04 11.37136 | 13 15 45.53 | -08 45 34.5 | | 691 | 1994 GH ₇ | 1994 04 16.34016 | 13 20 35.16 | -08 15 42.5 | | 691 |
| 1994 GZ ₆ | 1994 04 11.39479 | 13 15 44.02 | -08 45 26.2 | 20.1 V | 691 | 1994 GH ₇ | 1994 04 19.19948 | 13 17 44.27 | -08 11 41.5 | | 691 |
| 1994 GZ ₆ | 1994 04 11.41841 | 13 15 42.60 | -08 45 19.6 | | 691 | 1994 GH ₇ | 1994 04 19.22303 | 13 17 42.80 | -08 11 40.1 | | 691 |
| 1994 GZ ₆ | 1994 04 16.28551 | 13 10 43.00 | -08 20 46.6 | | 691 | 1994 GH ₇ | 1994 04 19.24672 | 13 17 41.33 | -08 11 38.0 | 19.6 V | 691 |
| 1994 GZ ₆ | 1994 04 16.30926 | 13 10 41.50 | -08 20 39.7 | 20.1 V | 691 | 1994 GJ ₇ | * 1994 04 11.37820 | 13 25 38.71 | -08 38 55.0 | 18.3 V | 691 |
| 1994 GZ ₆ | 1994 04 16.33329 | 13 10 40.01 | -08 20 32.9 | | 691 | 1994 GJ ₇ | 1994 04 11.40164 | 13 25 37.30 | -08 38 45.5 | | 691 |
| 1994 GA ₇ | * 1994 04 11.37530 | 13 21 27.56 | -08 34 55.6 | | 691 | 1994 GJ ₇ | 1994 04 11.42526 | 13 25 35.89 | -08 38 35.9 | | 691 |
| 1994 GA ₇ | 1994 04 11.39874 | 13 21 26.28 | -08 34 49.4 | | 691 | 1994 GJ ₇ | 1994 04 19.19975 | 13 18 07.73 | -07 45 11.7 | 18.7 V | 691 |
| 1994 GA ₇ | 1994 04 11.42236 | 13 21 25.07 | -08 34 43.3 | 20.4 V | 691 | 1994 GJ ₇ | 1994 04 19.22330 | 13 18 06.34 | -07 45 01.9 | | 691 |
| 1994 GA ₇ | 1994 04 19.19742 | 13 14 46.19 | -07 59 52.3 | 20.4 V | 691 | 1994 GJ ₇ | 1994 04 19.24699 | 13 18 04.95 | -07 44 52.0 | | 691 |
| 1994 GA ₇ | 1994 04 19.22097 | 13 14 44.93 | -07 59 46.7 | | 691 | 1994 GK ₇ | * 1994 04 11.37920 | 13 27 05.24 | -08 21 12.0 | 20.6 V | 691 |
| 1994 GA ₇ | 1994 04 19.24467 | 13 14 43.74 | -07 59 40.0 | | 691 | 1994 GK ₇ | 1994 04 11.40264 | 13 27 04.19 | -08 21 02.1 | | 691 |
| 1994 GB ₇ | * 1994 04 11.37534 | 13 21 30.38 | -08 35 52.7 | 18.0 V | 691 | 1994 GK ₇ | 1994 04 11.42627 | 13 27 03.18 | -08 20 51.2 | | 691 |
| 1994 GB ₇ | 1994 04 11.39877 | 13 21 28.99 | -08 35 47.7 | | 691 | 1994 GK ₇ | 1994 04 16.19645 | 13 23 38.31 | -07 46 13.0 | | 691 |
| 1994 GB ₇ | 1994 04 11.42239 | 13 21 27.60 | -08 35 43.2 | | 691 | 1994 GK ₇ | 1994 04 16.22050 | 13 23 37.33 | -07 46 03.7 | 20.9 V | 691 |
| 1994 GB ₇ | 1994 04 19.19703 | 13 14 12.10 | -08 09 27.6 | | 691 | 1994 GK ₇ | 1994 04 16.24509 | 13 23 36.20 | -07 45 51.3 | | 691 |
| 1994 GB ₇ | 1994 04 19.22058 | 13 14 10.76 | -08 09 23.0 | | 691 | 1994 GL ₇ | * 1994 04 12.23698 | 13 14 37.93 | -09 29 01.3 | | 691 |
| 1994 GB ₇ | 1994 04 19.24427 | 13 14 09.39 | -08 09 18.6 | 18.2 V | 691 | 1994 GL ₇ | 1994 04 12.30287 | 13 14 34.53 | -09 28 40.3 | | 691 |
| 1994 GC ₇ | * 1994 04 11.37685 | 13 23 41.36 | -08 43 09.5 | | 691 | 1994 GL ₇ | 1994 04 12.37727 | 13 14 30.62 | -09 28 17.0 | 20.3 V | 691 |
| 1994 GC ₇ | 1994 04 11.42391 | 13 23 38.80 | -08 42 56.6 | 20.1 V | 691 | 1994 GL ₇ | 1994 04 15.24769 | 13 12 06.95 | -09 13 13.7 | | 691 |
| 1994 GC ₇ | 1994 04 16.29156 | 13 19 27.27 | -08 21 33.3 | 19.9 V | 691 | 1994 GL ₇ | 1994 04 15.27268 | 13 12 05.64 | -09 13 05.4 | 19.7 V | 691 |
| 1994 GC ₇ | 1994 04 16.31531 | 13 19 26.02 | -08 21 27.7 | | 691 | 1994 GL ₇ | 1994 04 15.29768 | 13 12 04.35 | -09 12 57.6 | | 691 |
| 1994 GC ₇ | 1994 04 16.33935 | 13 19 24.78 | -08 21 21.1 | | 691 | 1994 GM ₇ | * 1994 04 12.23798 | 13 16 04.56 | -09 33 04.1 | 20.6 V | 691 |
| 1994 GD ₇ | * 1994 04 11.37724 | 13 24 15.50 | -08 24 37.5 | | 691 | 1994 GM ₇ | 1994 04 12.30387 | 13 16 01.26 | -09 32 44.4 | | 691 |
| 1994 GD ₇ | 1994 04 11.40068 | 13 24 14.20 | -08 24 25.8 | 18.2 V | 691 | 1994 GM ₇ | 1994 04 12.37828 | 13 15 57.60 | -09 32 22.5 | | 691 |
| 1994 GD ₇ | 1994 04 11.42430 | 13 24 12.86 | -08 24 14.2 | | 691 | 1994 GM ₇ | 1994 04 15.24877 | 13 13 40.95 | -09 18 23.9 | 20.6 V | 691 |
| 1994 GD ₇ | 1994 04 16.19388 | 13 19 56.45 | -07 44 54.9 | 18.5 V | 691 | 1994 GM ₇ | 1994 04 15.27377 | 13 13 39.91 | -09 18 14.8 | | 691 |
| 1994 GD ₇ | 1994 04 16.21793 | 13 19 55.11 | -07 44 43.1 | | 691 | 1994 GM ₇ | 1994 04 15.29877 | 13 13 38.49 | -09 18 08.7 | | 691 |
| 1994 GD ₇ | 1994 04 16.24252 | 13 19 53.75 | -07 44 31.1 | | 691 | 1994 GN ₇ | * 1994 04 12.23838 | 13 16 39.38 | -09 35 49.6 | | 691 |
| 1994 GE ₇ | * 1994 04 11.37726 | 13 24 16.91 | -08 32 24.1 | | 691 | 1994 GN ₇ | 1994 04 12.30427 | 13 16 35.55 | -09 35 13.8 | | 691 |
| 1994 GE ₇ | 1994 04 11.40070 | 13 24 15.42 | -08 32 16.6 | | 691 | 1994 GN ₇ | 1994 04 12.37866 | 13 16 31.18 | -09 34 33.5 | 19.6 V | 691 |
| 1994 GE ₇ | 1994 04 11.42431 | 13 24 14.07 | -08 32 11.3 | 19.9 V | 691 | 1994 GN ₇ | 1994 04 15.24890 | 13 13 51.95 | -09 08 37.3 | | 691 |
| 1994 GE ₇ | 1994 04 19.19877 | 13 16 43.05 | -07 56 30.7 | | 691 | 1994 GN ₇ | 1994 04 15.27390 | 13 13 50.50 | -09 08 23.4 | 19.7 V | 691 |
| 1994 GE ₇ | 1994 04 19.22232 | 13 16 41.60 | -07 56 24.2 | 20.4 V | 691 | 1994 GN ₇ | 1994 04 15.29889 | 13 13 49.03 | -09 08 09.6 | | 691 |
| 1994 GE ₇ | 1994 04 19.24601 | 13 16 40.17 | -07 56 17.2 | | 691 | 1994 GO ₇ | * 1994 04 12.23858 | 13 16 56.21 | -09 44 18.1 | 19.1 V | 691 |
| 1994 GF ₇ | * 1994 04 11.37802 | 13 25 22.83 | -08 41 33.0 | | 691 | 1994 GO ₇ | 1994 04 12.30446 | 13 16 52.22 | -09 43 58.7 | | 691 |
| 1994 GF ₇ | 1994 04 11.40146 | 13 25 21.65 | -08 41 23.9 | | 691 | 1994 GO ₇ | 1994 04 12.37886 | 13 16 47.76 | -09 43 38.4 | | 691 |
| 1994 GF ₇ | 1994 04 11.42508 | 13 25 20.50 | -08 41 15.0 | 19.2 V | 691 | 1994 GO ₇ | 1994 04 15.24902 | 13 14 02.36 | -09 30 09.1 | | 691 |
| 1994 GF ₇ | 1994 04 19.20051 | 13 19 13.80 | -07 52 36.2 | | 691 | 1994 GO ₇ | 1994 04 15.27401 | 13 14 00.88 | -09 30 03.3 | 19.2 V | 691 |
| 1994 GF ₇ | 1994 04 19.22406 | 13 19 12.68 | -07 52 28.3 | | 691 | 1994 GO ₇ | 1994 04 15.29901 | 13 13 59.37 | -09 29 55.9 | | 691 |
| 1994 GF ₇ | 1994 04 19.24776 | 13 19 11.57 | -07 52 19.6 | 19.7 V | 691 | 1994 GP ₇ | * 1994 04 12.23878 | 13 17 13.70 | -09 31 11.8 | | 691 |
| 1994 GG ₇ | * 1994 04 11.37804 | 13 25 24.80 | -08 40 08.4 | | 691 | 1994 GP ₇ | 1994 04 12.30466 | 13 17 09.36 | -09 31 02.7 | | 691 |
| 1994 GG ₇ | 1994 04 11.40148 | 13 25 23.29 | -08 40 07.2 | 19.9 V | 691 | 1994 GP ₇ | 1994 04 12.37905 | 13 17 04.48 | -09 30 52.4 | 20.4 V | 691 |
| 1994 GG ₇ | 1994 04 11.42510 | 13 25 21.70 | -08 40 06.7 | | 691 | 1994 GP ₇ | 1994 04 15.24904 | 13 14 03.79 | -09 24 20.3 | | 691 |
| 1994 GG ₇ | 1994 04 16.29211 | 13 20 15.48 | -08 38 08.7 | 19.9 V | 691 | 1994 GP ₇ | 1994 04 15.27403 | 13 14 02.11 | -09 24 16.1 | 20.4 V | 691 |
| 1994 GG ₇ | 1994 04 16.31587 | 13 20 13.98 | -08 38 08.3 | | 691 | 1994 GP ₇ | 1994 04 15.29902 | 13 14 00.48 | -09 24 12.5 | | 691 |
| 1994 GG ₇ | 1994 04 16.33990 | 13 20 12.40 | -08 38 07.8 | | 691 | 1994 GQ ₇ | * 1994 04 12.24064 | 13 19 54.58 | -09 17 25.7 | | 691 |
| 1994 GH ₇ | * 1994 04 11.37815 | 13 25 34.28 | -08 22 49.6 | 19.6 V | 691 | 1994 GQ ₇ | 1994 04 12.30652 | 13 19 50.17 | -09 17 18.2 | | 691 |

| | | | | | | | | | | | |
|----------------------|--------------------|-------------|-------------|--------|-----|----------------------|--------------------|-------------|-------------|--------|-----|
| 1994 GQ ₇ | 1994 04 12.38090 | 13 19 45.13 | -09 17 08.9 | 17.7 V | 691 | 1994 GY ₇ | 1994 04 15.25502 | 13 22 42.50 | -09 02 37.8 | 18.0 V | 691 |
| 1994 GQ ₇ | 1994 04 15.25083 | 13 16 39.54 | -09 11 33.0 | 17.7 V | 691 | 1994 GY ₇ | 1994 04 15.28002 | 13 22 41.30 | -09 02 30.8 | | 691 |
| 1994 GQ ₇ | 1994 04 15.27583 | 13 16 37.88 | -09 11 29.8 | | 691 | 1994 GY ₇ | 1994 04 15.30502 | 13 22 40.11 | -09 02 24.0 | | 691 |
| 1994 GQ ₇ | 1994 04 15.30082 | 13 16 36.20 | -09 11 26.9 | | 691 | 1994 GZ ₇ | * 1994 04 12.24439 | 13 25 19.59 | -09 23 21.4 | | 691 |
| 1994 GR ₇ | * 1994 04 12.24196 | 13 21 49.32 | -09 21 23.9 | 18.4 V | 691 | 1994 GZ ₇ | 1994 04 12.31027 | 13 25 15.70 | -09 23 01.8 | 18.6 V | 691 |
| 1994 GR ₇ | 1994 04 12.30785 | 13 21 45.44 | -09 20 57.5 | | 691 | 1994 GZ ₇ | 1994 04 12.38467 | 13 25 11.26 | -09 22 39.6 | | 691 |
| 1994 GR ₇ | 1994 04 12.38224 | 13 21 41.05 | -09 20 27.2 | | 691 | 1994 GZ ₇ | 1994 04 15.25488 | 13 22 29.81 | -09 08 21.3 | 18.2 V | 691 |
| 1994 GR ₇ | 1994 04 15.25245 | 13 18 59.08 | -09 01 03.0 | 17.8 V | 691 | 1994 GZ ₇ | 1994 04 15.27987 | 13 22 28.35 | -09 08 13.8 | | 691 |
| 1994 GR ₇ | 1994 04 15.27744 | 13 18 57.62 | -09 00 52.6 | | 691 | 1994 GZ ₇ | 1994 04 15.30487 | 13 22 26.91 | -09 08 06.5 | | 691 |
| 1994 GR ₇ | 1994 04 15.30244 | 13 18 56.14 | -09 00 42.3 | | 691 | 1994 GA ₈ | * 1994 04 12.24451 | 13 25 30.00 | -09 37 38.5 | | 691 |
| 1994 GS ₇ | * 1994 04 12.24231 | 13 22 19.80 | -09 25 46.4 | | 691 | 1994 GA ₈ | 1994 04 12.31040 | 13 25 26.78 | -09 37 19.2 | | 691 |
| 1994 GS ₇ | 1994 04 12.30821 | 13 22 16.53 | -09 24 54.0 | | 691 | 1994 GA ₈ | 1994 04 12.38481 | 13 25 23.18 | -09 36 57.6 | 20.1 V | 691 |
| 1994 GS ₇ | 1994 04 12.38261 | 13 22 12.70 | -09 23 52.6 | 20.4 V | 691 | 1994 GA ₈ | 1994 04 15.25533 | 13 23 08.98 | -09 22 51.8 | 19.6 V | 691 |
| 1994 GS ₇ | 1994 04 16.29128 | 13 19 02.79 | -08 31 26.3 | | 691 | 1994 GA ₈ | 1994 04 15.28033 | 13 23 07.78 | -09 22 44.4 | | 691 |
| 1994 GS ₇ | 1994 04 16.31503 | 13 19 01.59 | -08 31 07.9 | 20.2 V | 691 | 1994 GA ₈ | 1994 04 15.30533 | 13 23 06.57 | -09 22 37.2 | | 691 |
| 1994 GS ₇ | 1994 04 16.33906 | 13 19 00.41 | -08 30 48.0 | | 691 | 1994 GB ₈ | * 1994 04 12.24547 | 13 26 52.85 | -09 42 06.0 | | 691 |
| 1994 GS ₇ | 1994 04 19.19879 | 13 16 44.66 | -07 52 48.7 | 20.2 V | 691 | 1994 GB ₈ | 1994 04 12.31135 | 13 26 48.83 | -09 41 45.2 | 20.0 V | 691 |
| 1994 GS ₇ | 1994 04 19.22234 | 13 16 43.50 | -07 52 30.8 | | 691 | 1994 GB ₈ | 1994 04 12.38574 | 13 26 44.30 | -09 41 21.7 | | 691 |
| 1994 GS ₇ | 1994 04 19.24604 | 13 16 42.37 | -07 52 11.9 | | 691 | 1994 GB ₈ | 1994 04 15.25586 | 13 23 55.04 | -09 26 04.0 | | 691 |
| 1994 GT ₇ | * 1994 04 12.24296 | 13 23 16.03 | -09 34 55.3 | | 691 | 1994 GB ₈ | 1994 04 15.28086 | 13 23 53.52 | -09 25 55.7 | 19.3 V | 691 |
| 1994 GT ₇ | 1994 04 12.30884 | 13 23 11.85 | -09 34 35.8 | 20.8 V | 691 | 1994 GB ₈ | 1994 04 15.30585 | 13 23 52.00 | -09 25 47.8 | | 691 |
| 1994 GT ₇ | 1994 04 12.38324 | 13 23 07.21 | -09 34 13.6 | | 691 | 1994 GC ₈ | * 1994 04 12.24724 | 13 29 26.50 | -09 21 06.0 | | 691 |
| 1994 GT ₇ | 1994 04 15.25329 | 13 20 12.21 | -09 19 53.9 | 20.6 V | 691 | 1994 GC ₈ | 1994 04 12.31313 | 13 29 22.76 | -09 20 37.6 | | 691 |
| 1994 GT ₇ | 1994 04 15.27828 | 13 20 10.60 | -09 19 46.8 | | 691 | 1994 GC ₈ | 1994 04 12.38752 | 13 29 18.51 | -09 20 06.4 | 19.8 V | 691 |
| 1994 GT ₇ | 1994 04 15.30328 | 13 20 09.05 | -09 19 38.9 | | 691 | 1994 GC ₈ | 1994 04 15.25778 | 13 26 41.18 | -08 59 32.9 | 19.1 V | 691 |
| 1994 GU ₇ | * 1994 04 12.24384 | 13 24 32.41 | -09 31 45.9 | | 691 | 1994 GC ₈ | 1994 04 15.28277 | 13 26 39.74 | -08 59 22.0 | | 691 |
| 1994 GU ₇ | 1994 04 12.30974 | 13 24 29.42 | -09 31 19.0 | 18.8 V | 691 | 1994 GC ₈ | 1994 04 15.30777 | 13 26 38.30 | -08 59 11.2 | | 691 |
| 1994 GU ₇ | 1994 04 12.38415 | 13 24 26.02 | -09 30 49.2 | | 691 | 1994 GD ₈ | * 1994 04 12.24803 | 13 30 35.38 | -09 18 10.8 | | 691 |
| 1994 GU ₇ | 1994 04 15.25476 | 13 22 20.03 | -09 11 27.1 | 18.6 V | 691 | 1994 GD ₈ | 1994 04 12.31393 | 13 30 32.28 | -09 17 48.0 | | 691 |
| 1994 GU ₇ | 1994 04 15.27976 | 13 22 18.90 | -09 11 16.9 | | 691 | 1994 GD ₈ | 1994 04 12.38833 | 13 30 28.69 | -09 17 22.1 | 17.8 V | 691 |
| 1994 GU ₇ | 1994 04 15.30477 | 13 22 17.79 | -09 11 07.0 | | 691 | 1994 GD ₈ | 1994 04 15.25887 | 13 28 15.53 | -09 00 40.6 | 17.4 V | 691 |
| 1994 GV ₇ | * 1994 04 12.24396 | 13 24 42.51 | -09 33 46.9 | | 691 | 1994 GD ₈ | 1994 04 15.28387 | 13 28 14.33 | -09 00 32.0 | | 691 |
| 1994 GV ₇ | 1994 04 12.30984 | 13 24 38.40 | -09 33 26.6 | 21.4 V | 691 | 1994 GD ₈ | 1994 04 15.30887 | 13 28 13.12 | -09 00 23.5 | | 691 |
| 1994 GV ₇ | 1994 04 12.38423 | 13 24 33.70 | -09 33 02.9 | | 691 | 1994 GE ₈ | * 1994 04 12.24839 | 13 31 06.22 | -09 27 14.2 | | 691 |
| 1994 GV ₇ | 1994 04 15.25430 | 13 21 39.57 | -09 18 01.7 | 20.9 V | 691 | 1994 GE ₈ | 1994 04 12.38867 | 13 30 58.07 | -09 26 39.4 | 19.6 V | 691 |
| 1994 GV ₇ | 1994 04 15.27929 | 13 21 38.03 | -09 17 54.2 | | 691 | 1994 GE ₈ | 1994 04 15.25889 | 13 28 17.33 | -09 14 35.2 | | 691 |
| 1994 GV ₇ | 1994 04 15.30429 | 13 21 36.48 | -09 17 46.7 | | 691 | 1994 GE ₈ | 1994 04 15.28388 | 13 28 15.90 | -09 14 29.6 | 19.5 V | 691 |
| 1994 GW ₇ | * 1994 04 12.24402 | 13 24 47.89 | -09 24 58.0 | | 691 | 1994 GE ₈ | 1994 04 15.30888 | 13 28 14.44 | -09 14 23.2 | | 691 |
| 1994 GW ₇ | 1994 04 12.30992 | 13 24 44.69 | -09 24 38.2 | | 691 | 1994 GF ₈ | * 1994 04 12.25558 | 13 41 28.86 | -09 26 13.1 | | 691 |
| 1994 GW ₇ | 1994 04 12.38432 | 13 24 41.02 | -09 24 16.1 | 18.7 V | 691 | 1994 GF ₈ | 1994 04 12.32146 | 13 41 25.12 | -09 25 38.7 | | 691 |
| 1994 GW ₇ | 1994 04 15.25482 | 13 22 24.93 | -09 09 58.8 | | 691 | 1994 GF ₈ | 1994 04 12.39586 | 13 41 20.93 | -09 24 59.9 | 20.0 V | 691 |
| 1994 GW ₇ | 1994 04 15.27982 | 13 22 23.70 | -09 09 51.1 | | 691 | 1994 GF ₈ | 1994 04 15.26613 | 13 38 44.69 | -08 59 39.5 | | 691 |
| 1994 GW ₇ | 1994 04 15.30482 | 13 22 22.50 | -09 09 44.0 | 18.4 V | 691 | 1994 GF ₈ | 1994 04 15.29113 | 13 38 43.28 | -08 59 26.6 | | 691 |
| 1994 GX ₇ | * 1994 04 12.24413 | 13 24 57.00 | -09 23 26.1 | | 691 | 1994 GF ₈ | 1994 04 15.31612 | 13 38 41.80 | -08 59 13.0 | 19.1 V | 691 |
| 1994 GX ₇ | 1994 04 12.31001 | 13 24 53.00 | -09 22 59.0 | | 691 | 1994 GG ₈ | * 1994 04 13.32680 | 13 12 12.78 | -10 24 05.2 | 19.5 V | 691 |
| 1994 GX ₇ | 1994 04 12.38440 | 13 24 48.42 | -09 22 28.6 | 21.1 V | 691 | 1994 GG ₈ | 1994 04 13.35887 | 13 12 11.39 | -10 23 52.6 | | 691 |
| 1994 GX ₇ | 1994 04 15.25455 | 13 22 01.13 | -09 02 57.0 | | 691 | 1994 GG ₈ | 1994 04 13.41681 | 13 12 08.90 | -10 23 29.7 | | 691 |
| 1994 GX ₇ | 1994 04 15.27954 | 13 21 59.78 | -09 02 45.4 | | 691 | 1994 GG ₈ | 1994 04 19.28958 | 13 08 05.47 | -09 44 53.1 | | 691 |
| 1994 GX ₇ | 1994 04 15.30454 | 13 21 58.25 | -09 02 35.4 | 20.6 V | 691 | 1994 GG ₈ | 1994 04 19.29750 | 13 08 05.11 | -09 44 49.2 | 19.7 V | 691 |
| 1994 GY ₇ | * 1994 04 12.24419 | 13 25 01.98 | -09 16 39.2 | | 691 | 1994 GG ₈ | 1994 04 19.30570 | 13 08 04.78 | -09 44 46.3 | | 691 |
| 1994 GY ₇ | 1994 04 12.31008 | 13 24 58.83 | -09 16 20.8 | 18.4 V | 691 | 1994 GH ₈ | * 1994 04 13.32741 | 13 13 05.83 | -10 18 56.4 | | 691 |
| 1994 GY ₇ | 1994 04 12.38448 | 13 24 55.25 | -09 16 00.3 | | 691 | 1994 GH ₈ | 1994 04 13.35948 | 13 13 04.12 | -10 18 51.4 | | 691 |

| | | | | | | | | | | | |
|----------------------|--------------------|-------------|-------------|--------|-----|----------------------|--------------------|-------------|-------------|--------|-----|
| 1994 GH ₈ | 1994 04 13.41742 | 13 13 01.02 | -10 18 43.1 | 20.0 V | 691 | 1994 GP ₈ | 1994 04 16.15782 | 12 09 35.05 | -09 11 06.6 | 19.3 V | 691 |
| 1994 GH ₈ | 1994 04 19.28952 | 13 08 00.36 | -10 04 34.7 | 20.1 V | 691 | 1994 GP ₈ | 1994 04 16.16608 | 12 09 34.69 | -09 11 04.8 | | 691 |
| 1994 GH ₈ | 1994 04 19.29744 | 13 07 59.99 | -10 04 33.4 | | 691 | 1994 GP ₈ | 1994 04 16.17436 | 12 09 34.35 | -09 11 02.8 | | 691 |
| 1994 GH ₈ | 1994 04 19.30564 | 13 07 59.55 | -10 04 32.5 | | 691 | 1994 GQ ₈ | * 1994 04 15.22292 | 12 11 39.44 | -09 18 43.6 | | 691 |
| 1994 GJ ₈ | * 1994 04 13.32951 | 13 16 08.08 | -10 42 39.7 | | 691 | 1994 GQ ₈ | 1994 04 15.23095 | 12 11 39.03 | -09 18 41.4 | | 691 |
| 1994 GJ ₈ | 1994 04 13.36158 | 13 16 06.18 | -10 42 28.9 | | 691 | 1994 GQ ₈ | 1994 04 15.23903 | 12 11 38.63 | -09 18 39.7 | 19.5 V | 691 |
| 1994 GJ ₈ | 1994 04 13.41951 | 13 16 02.72 | -10 42 07.8 | 20.3 V | 691 | 1994 GQ ₈ | 1994 04 16.15874 | 12 10 54.91 | -09 14 39.9 | | 691 |
| 1994 GJ ₈ | 1994 04 19.29124 | 13 10 29.19 | -10 06 48.0 | 20.4 V | 691 | 1994 GQ ₈ | 1994 04 16.16701 | 12 10 54.50 | -09 14 37.5 | 19.4 V | 691 |
| 1994 GJ ₈ | 1994 04 19.29916 | 13 10 28.72 | -10 06 44.7 | | 691 | 1994 GQ ₈ | 1994 04 16.17528 | 12 10 54.11 | -09 14 35.6 | | 691 |
| 1994 GJ ₈ | 1994 04 19.30736 | 13 10 28.27 | -10 06 41.7 | | 691 | 1994 GR ₈ | * 1994 04 05.46574 | 14 34 28.20 | -15 38 47.2 | 20.8 R | 691 |
| 1994 GK ₈ | * 1994 04 15.15277 | 12 06 54.50 | -09 16 23.9 | | 691 | 1994 GR ₈ | 1994 04 05.46869 | 14 34 28.07 | -15 38 46.6 | 20.4 R | 691 |
| 1994 GK ₈ | 1994 04 15.17681 | 12 06 53.20 | -09 16 18.5 | | 691 | 1994 GR ₈ | 1994 04 05.47362 | 14 34 27.82 | -15 38 46.0 | 20.4 R | 691 |
| 1994 GK ₈ | 1994 04 15.20222 | 12 06 51.89 | -09 16 11.5 | 20.8 V | 691 | 1994 GR ₈ | 1994 04 06.41953 | 14 33 51.72 | -15 36 38.5 | 19.9 R | 691 |
| 1994 GK ₈ | 1994 04 15.21959 | 12 06 50.96 | -09 16 07.2 | | 691 | 1994 GR ₈ | 1994 04 06.42601 | 14 33 51.48 | -15 36 37.0 | 20.0 R | 691 |
| 1994 GK ₈ | 1994 04 15.22762 | 12 06 50.59 | -09 16 05.8 | | 691 | 1994 GR ₈ | 1994 04 06.43067 | 14 33 51.25 | -15 36 36.2 | 20 R | 691 |
| 1994 GK ₈ | 1994 04 15.23570 | 12 06 50.14 | -09 16 03.2 | 20.8 V | 691 | 1994 GR ₈ | 1994 04 06.43528 | 14 33 51.06 | -15 36 35.8 | 19.7 R | 691 |
| 1994 GK ₈ | 1994 04 19.31311 | 12 03 40.98 | -09 00 11.7 | | 691 | 1994 HB | * 1994 04 19.20616 | 13 27 23.08 | -08 04 21.6 | 19.5 V | 691 |
| 1994 GK ₈ | 1994 04 19.32129 | 12 03 40.62 | -09 00 10.2 | 20.8 V | 691 | 1994 HB | 1994 04 19.22971 | 13 27 21.55 | -08 04 11.1 | 19.4 V | 691 |
| 1994 GK ₈ | 1994 04 19.32928 | 12 03 40.24 | -09 00 09.0 | | 691 | 1994 HB | 1994 04 19.25340 | 13 27 20.00 | -08 04 00.8 | 19.4 V | 691 |
| 1994 GL ₈ | * 1994 04 15.15505 | 12 10 12.06 | -09 24 43.6 | | 691 | 1994 HB | 1994 04 19.34016 | 13 27 14.35 | -08 03 23.3 | 19.7 V | 691 |
| 1994 GL ₈ | 1994 04 15.17910 | 12 10 10.79 | -09 24 35.1 | 20.2 V | 691 | 1994 HB | 1994 04 19.34813 | 13 27 13.82 | -08 03 20.1 | 19.8 V | 691 |
| 1994 GL ₈ | 1994 04 15.20450 | 12 10 09.40 | -09 24 26.5 | | 691 | 1994 HB | 1994 04 19.35600 | 13 27 13.31 | -08 03 16.0 | 20.1 V | 691 |
| 1994 GL ₈ | 1994 04 15.22187 | 12 10 08.50 | -09 24 19.0 | 20.0 V | 691 | 1994 HB | 1994 04 20.36477 | 13 26 10.19 | -07 55 57.3 | 19.4 V | 691 |
| 1994 GL ₈ | 1994 04 15.22990 | 12 10 08.02 | -09 24 16.8 | | 691 | 1994 HB | 1994 04 20.37221 | 13 26 09.77 | -07 55 54.8 | 19.2 V | 691 |
| 1994 GL ₈ | 1994 04 15.23798 | 12 10 07.59 | -09 24 13.0 | | 691 | 1994 HB | 1994 04 20.38094 | 13 26 09.19 | -07 55 50.7 | 19.6 V | 691 |
| 1994 GL ₈ | 1994 04 16.15765 | 12 09 20.64 | -09 18 40.8 | | 691 | 1994 HB | 1994 05 01.26308 | 13 15 23.96 | -06 40 33.5 | 19.4 V | 691 |
| 1994 GL ₈ | 1994 04 16.16592 | 12 09 20.21 | -09 18 37.5 | 19.8 V | 691 | 1994 HB | 1994 05 01.28122 | 13 15 22.92 | -06 40 27.0 | 19.3 V | 691 |
| 1994 GL ₈ | 1994 04 16.17419 | 12 09 19.76 | -09 18 34.8 | | 691 | 1994 HB | 1994 05 01.29932 | 13 15 21.88 | -06 40 19.8 | 19.4 V | 691 |
| 1994 GL ₈ | 1994 04 19.31525 | 12 06 46.39 | -08 59 50.3 | | 691 | 1994 HB | 1994 05 03.20079 | 13 13 40.14 | -06 28 20.8 | 19.7 V | 691 |
| 1994 GL ₈ | 1994 04 19.32343 | 12 06 45.98 | -08 59 47.7 | 19.9 V | 691 | 1994 HB | 1994 05 03.21227 | 13 13 39.46 | -06 28 16.2 | 19.3 V | 691 |
| 1994 GL ₈ | 1994 04 19.33142 | 12 06 45.60 | -08 59 44.8 | | 691 | 1994 HB | 1994 05 03.22467 | 13 13 38.82 | -06 28 12.2 | 19.7 V | 691 |
| 1994 GM ₈ | * 1994 04 15.21977 | 12 07 06.64 | -09 14 10.2 | 20.8 V | 691 | 1994 HC | * 1994 04 19.20666 | 13 28 06.30 | -07 55 57.1 | 19.5 V | 691 |
| 1994 GM ₈ | 1994 04 15.22780 | 12 07 06.23 | -09 14 08.6 | | 691 | 1994 HC | 1994 04 19.23020 | 13 28 04.43 | -07 55 52.4 | 19.5 V | 691 |
| 1994 GM ₈ | 1994 04 15.23588 | 12 07 05.86 | -09 14 07.4 | | 691 | 1994 HC | 1994 04 19.25389 | 13 28 02.48 | -07 55 48.8 | 19.7 V | 691 |
| 1994 GM ₈ | 1994 04 16.15563 | 12 06 25.16 | -09 11 07.8 | | 691 | 1994 HC | 1994 04 19.34064 | 13 27 55.48 | -07 55 33.6 | 19.3 V | 691 |
| 1994 GM ₈ | 1994 04 16.16389 | 12 06 24.77 | -09 11 05.9 | 21.0 V | 691 | 1994 HC | 1994 04 19.34861 | 13 27 54.82 | -07 55 32.2 | 20.1 V | 691 |
| 1994 GM ₈ | 1994 04 16.17217 | 12 06 24.42 | -09 11 04.7 | | 691 | 1994 HC | 1994 04 19.35647 | 13 27 54.19 | -07 55 30.9 | 19.4 V | 691 |
| 1994 GN ₈ | * 1994 04 15.22039 | 12 08 00.96 | -09 15 18.2 | | 691 | 1994 HC | 1994 04 20.36506 | 13 26 35.69 | -07 52 36.0 | 19.4 V | 691 |
| 1994 GN ₈ | 1994 04 15.22843 | 12 08 00.63 | -09 15 16.3 | 19.6 V | 691 | 1994 HC | 1994 04 20.37250 | 13 26 35.06 | -07 52 34.7 | 19.7 V | 691 |
| 1994 GN ₈ | 1994 04 15.23651 | 12 08 00.32 | -09 15 13.6 | | 691 | 1994 HC | 1994 04 20.38123 | 13 26 34.36 | -07 52 33.5 | 19.7 V | 691 |
| 1994 GN ₈ | 1994 04 16.15634 | 12 07 26.80 | -09 10 50.5 | | 691 | 1994 HC | 1994 05 01.25384 | 13 12 48.02 | -07 24 33.5 | 20.0 V | 691 |
| 1994 GN ₈ | 1994 04 16.16460 | 12 07 26.50 | -09 10 48.3 | 19.0 V | 691 | 1994 HC | 1994 05 01.27165 | 13 12 46.63 | -07 24 31.1 | 19.9 V | 691 |
| 1994 GN ₈ | 1994 04 16.17288 | 12 07 26.17 | -09 10 46.0 | | 691 | 1994 HC | 1994 05 01.29119 | 13 12 45.17 | -07 24 28.7 | 19.9 V | 691 |
| 1994 GO ₈ | * 1994 04 15.22169 | 12 09 53.33 | -09 25 13.9 | 19.6 V | 691 | 1994 HF | * 1994 04 16.28128 | 13 04 36.77 | -08 30 00.3 | | 691 |
| 1994 GO ₈ | 1994 04 15.22972 | 12 09 52.85 | -09 25 12.7 | | 691 | 1994 HF | 1994 04 16.30503 | 13 04 35.68 | -08 29 44.1 | 19.3 V | 691 |
| 1994 GO ₈ | 1994 04 15.23781 | 12 09 52.44 | -09 25 11.3 | | 691 | 1994 HF | 1994 04 16.32907 | 13 04 34.56 | -08 29 27.7 | | 691 |
| 1994 GO ₈ | 1994 04 19.31503 | 12 06 27.45 | -09 13 28.9 | | 691 | 1994 HF | 1994 04 19.18893 | 13 02 30.86 | -07 57 02.0 | 19.5 V | 691 |
| 1994 GO ₈ | 1994 04 19.32321 | 12 06 27.08 | -09 13 27.7 | 19.5 V | 691 | 1994 HF | 1994 04 19.21249 | 13 02 29.84 | -07 56 45.6 | | 691 |
| 1994 GO ₈ | 1994 04 19.33120 | 12 06 26.66 | -09 13 26.3 | | 691 | 1994 HF | 1994 04 19.23618 | 13 02 28.79 | -07 56 30.3 | | 691 |
| 1994 GP ₈ | * 1994 04 15.22194 | 12 10 14.48 | -09 14 36.9 | 19.3 V | 691 | 1994 HG | * 1994 04 16.28156 | 13 05 01.00 | -08 21 28.2 | | 691 |
| 1994 GP ₈ | 1994 04 15.22997 | 12 10 14.13 | -09 14 35.2 | | 691 | 1994 HG | 1994 04 16.30531 | 13 04 59.85 | -08 21 17.3 | 19.0 V | 691 |
| 1994 GP ₈ | 1994 04 15.23805 | 12 10 13.76 | -09 14 33.5 | | 691 | 1994 HG | 1994 04 16.32935 | 13 04 58.68 | -08 21 06.8 | | 691 |

| | | | | | | | | | | | |
|---------|--------------------|-------------|-------------|--------|-----|---------|--------------------|-------------|-------------|--------|-----|
| 1994 HG | 1994 04 19.18907 | 13 02 43.02 | -07 59 44.9 | | 691 | 1994 HQ | 1994 04 16.33832 | 13 17 55.57 | -08 23 44.8 | | 691 |
| 1994 HG | 1994 04 19.21263 | 13 02 41.91 | -07 59 34.1 | 19.4 V | 691 | 1994 HQ | 1994 04 19.19828 | 13 16 00.65 | -07 45 15.8 | | 691 |
| 1994 HG | 1994 04 19.23632 | 13 02 40.75 | -07 59 23.8 | | 691 | 1994 HQ | 1994 04 19.22183 | 13 15 59.66 | -07 44 57.1 | 18.5 V | 691 |
| 1994 HH | * 1994 04 16.28324 | 13 07 26.66 | -08 20 09.3 | | 691 | 1994 HQ | 1994 04 19.24553 | 13 15 58.68 | -07 44 38.2 | | 691 |
| 1994 HH | 1994 04 16.30699 | 13 07 25.39 | -08 20 02.4 | 20.1 V | 691 | 1994 HR | 1994 04 12.24170 | 13 21 26.37 | -09 25 13.0 | 17.3 V | 691 |
| 1994 HH | 1994 04 16.33103 | 13 07 24.13 | -08 19 54.3 | | 691 | 1994 HR | 1994 04 12.38199 | 13 21 19.52 | -09 23 37.2 | | 691 |
| 1994 HH | 1994 04 19.19067 | 13 05 01.09 | -08 05 15.9 | | 691 | 1994 HR | * 1994 04 16.29078 | 13 18 20.23 | -08 39 08.4 | 17.5 V | 691 |
| 1994 HH | 1994 04 19.21422 | 13 04 59.93 | -08 05 09.0 | 20.1 V | 691 | 1994 HR | 1994 04 16.31454 | 13 18 19.06 | -08 38 52.2 | | 691 |
| 1994 HH | 1994 04 19.23791 | 13 04 58.71 | -08 05 01.5 | | 691 | 1994 HR | 1994 04 16.33857 | 13 18 17.91 | -08 38 35.7 | | 691 |
| 1994 HJ | * 1994 04 16.28372 | 13 08 08.51 | -08 32 42.3 | | 691 | 1994 HR | 1994 04 19.19839 | 13 16 10.13 | -08 06 15.2 | 17.5 V | 691 |
| 1994 HJ | 1994 04 16.30748 | 13 08 07.25 | -08 32 30.4 | 17.2 V | 691 | 1994 HR | 1994 04 19.22194 | 13 16 09.04 | -08 05 59.6 | | 691 |
| 1994 HJ | 1994 04 16.33151 | 13 08 06.00 | -08 32 18.5 | | 691 | 1994 HR | 1994 04 19.24564 | 13 16 07.93 | -08 05 43.5 | | 691 |
| 1994 HJ | 1994 04 19.19118 | 13 05 45.23 | -08 08 24.2 | | 691 | 1994 HS | * 1994 04 16.29170 | 13 19 39.19 | -08 20 29.1 | | 691 |
| 1994 HJ | 1994 04 19.21473 | 13 05 44.02 | -08 08 12.1 | 17.3 V | 691 | 1994 HS | 1994 04 16.31545 | 13 19 37.94 | -08 20 19.7 | | 691 |
| 1994 HJ | 1994 04 19.23842 | 13 05 42.83 | -08 08 00.5 | | 691 | 1994 HS | 1994 04 16.33948 | 13 19 36.71 | -08 20 09.5 | 20.1 V | 691 |
| 1994 HK | * 1994 04 16.28425 | 13 08 53.97 | -08 26 49.9 | | 691 | 1994 HS | 1994 04 19.19917 | 13 17 17.68 | -08 00 44.4 | | 691 |
| 1994 HK | 1994 04 16.30800 | 13 08 52.64 | -08 26 41.6 | 19.8 V | 691 | 1994 HS | 1994 04 19.22272 | 13 17 16.50 | -08 00 34.9 | 20.1 V | 691 |
| 1994 HK | 1994 04 16.33203 | 13 08 51.28 | -08 26 32.8 | | 691 | 1994 HS | 1994 04 19.24642 | 13 17 15.33 | -08 00 25.2 | | 691 |
| 1994 HK | 1994 04 19.19156 | 13 06 18.52 | -08 09 16.2 | | 691 | 1994 HT | * 1994 04 16.29319 | 13 21 48.73 | -08 33 14.7 | | 691 |
| 1994 HK | 1994 04 19.21511 | 13 06 17.25 | -08 09 07.7 | | 691 | 1994 HT | 1994 04 16.31694 | 13 21 47.31 | -08 33 06.7 | 18.4 V | 691 |
| 1994 HK | 1994 04 19.23880 | 13 06 15.98 | -08 08 58.6 | 19.8 V | 691 | 1994 HT | 1994 04 16.34097 | 13 21 45.91 | -08 32 57.8 | | 691 |
| 1994 HL | * 1994 04 16.28576 | 13 11 05.33 | -08 27 29.1 | 18.6 V | 691 | 1994 HT | 1994 04 19.20042 | 13 19 05.87 | -08 16 11.9 | 18.6 V | 691 |
| 1994 HL | 1994 04 16.30952 | 13 11 04.24 | -08 27 17.8 | | 691 | 1994 HT | 1994 04 19.22397 | 13 19 04.51 | -08 16 03.9 | | 691 |
| 1994 HL | 1994 04 16.33356 | 13 11 03.16 | -08 27 06.1 | | 691 | 1994 HT | 1994 04 19.24766 | 13 19 03.15 | -08 15 55.8 | | 691 |
| 1994 HL | 1994 04 19.19343 | 13 09 00.39 | -08 03 59.2 | 18.4 V | 691 | 1994 HU | * 1994 04 16.29465 | 13 23 55.26 | -08 28 50.8 | | 691 |
| 1994 HL | 1994 04 19.21698 | 13 08 59.37 | -08 03 47.8 | | 691 | 1994 HU | 1994 04 16.31841 | 13 23 54.18 | -08 28 43.8 | 20.2 V | 691 |
| 1994 HL | 1994 04 19.24068 | 13 08 58.32 | -08 03 36.5 | | 691 | 1994 HU | 1994 04 16.34244 | 13 23 53.03 | -08 28 36.8 | | 691 |
| 1994 HM | * 1994 04 16.28616 | 13 11 39.31 | -08 19 47.9 | 19.0 V | 691 | 1994 HU | 1994 04 19.20226 | 13 21 44.82 | -08 14 43.4 | | 691 |
| 1994 HM | 1994 04 16.33394 | 13 11 36.90 | -08 19 30.4 | | 691 | 1994 HU | 1994 04 19.22581 | 13 21 43.75 | -08 14 36.5 | 20.0 V | 691 |
| 1994 HM | 1994 04 19.19360 | 13 09 14.68 | -08 02 59.3 | 19.9 V | 691 | 1994 HU | 1994 04 19.24950 | 13 21 42.61 | -08 14 30.1 | | 691 |
| 1994 HM | 1994 04 19.21715 | 13 09 13.56 | -08 02 48.8 | | 691 | 1994 HV | * 1994 04 16.29674 | 13 26 55.72 | -08 17 09.0 | 20.4 V | 691 |
| 1994 HM | 1994 04 19.24084 | 13 09 12.28 | -08 02 42.2 | | 691 | 1994 HV | 1994 04 16.32049 | 13 26 54.39 | -08 17 01.2 | | 691 |
| 1994 HN | * 1994 04 16.28871 | 13 15 20.84 | -08 19 05.0 | | 691 | 1994 HV | 1994 04 16.34452 | 13 26 53.03 | -08 16 53.3 | | 691 |
| 1994 HN | 1994 04 16.31247 | 13 15 19.55 | -08 18 55.1 | | 691 | 1994 HV | 1994 04 19.33801 | 13 24 08.35 | -08 01 03.6 | | 691 |
| 1994 HN | 1994 04 16.33650 | 13 15 18.20 | -08 18 45.4 | 21.2 V | 691 | 1994 HV | 1994 04 19.34599 | 13 24 07.91 | -08 01 01.1 | 20.5 V | 691 |
| 1994 HN | 1994 04 19.19608 | 13 12 50.19 | -07 58 56.5 | | 691 | 1994 HV | 1994 04 19.35385 | 13 24 07.40 | -08 00 58.5 | | 691 |
| 1994 HN | 1994 04 19.21963 | 13 12 49.00 | -07 58 47.7 | 20.5 V | 691 | 1994 HV | 1994 04 20.36272 | 13 23 12.77 | -07 55 43.9 | | 691 |
| 1994 HN | 1994 04 19.24333 | 13 12 47.69 | -07 58 38.1 | | 691 | 1994 HV | 1994 04 20.37016 | 13 23 12.34 | -07 55 41.4 | | 691 |
| 1994 HO | * 1994 04 16.28908 | 13 15 52.21 | -08 21 24.1 | 19.4 V | 691 | 1994 HV | 1994 04 20.37889 | 13 23 11.88 | -07 55 38.5 | 20.7 V | 691 |
| 1994 HO | 1994 04 16.31283 | 13 15 50.95 | -08 21 15.4 | | 691 | 1994 HW | * 1994 04 16.29738 | 13 27 51.63 | -08 39 29.7 | | 691 |
| 1994 HO | 1994 04 16.33686 | 13 15 49.66 | -08 21 07.1 | | 691 | 1994 HW | 1994 04 16.32114 | 13 27 50.59 | -08 39 18.6 | 19.8 V | 691 |
| 1994 HO | 1994 04 19.19652 | 13 13 27.59 | -08 04 31.2 | | 691 | 1994 HW | 1994 04 16.34517 | 13 27 49.56 | -08 39 08.0 | | 691 |
| 1994 HO | 1994 04 19.22007 | 13 13 26.39 | -08 04 23.0 | 19.4 V | 691 | 1994 HW | 1994 04 20.36399 | 13 25 02.38 | -08 09 24.6 | 20.0 V | 691 |
| 1994 HO | 1994 04 19.24376 | 13 13 25.19 | -08 04 15.2 | | 691 | 1994 HW | 1994 04 20.37143 | 13 25 02.05 | -08 09 19.9 | | 691 |
| 1994 HP | * 1994 04 16.28946 | 13 16 25.30 | -08 18 54.2 | 20.6 V | 691 | 1994 HW | 1994 04 20.38016 | 13 25 01.68 | -08 09 17.5 | | 691 |
| 1994 HP | 1994 04 16.31321 | 13 16 24.16 | -08 18 46.8 | | 691 | 1994 HX | * 1994 04 16.29802 | 13 28 47.04 | -08 18 23.4 | 20.7 V | 691 |
| 1994 HP | 1994 04 16.33725 | 13 16 23.03 | -08 18 39.5 | | 691 | 1994 HX | 1994 04 16.32177 | 13 28 45.60 | -08 18 14.3 | | 691 |
| 1994 HP | 1994 04 19.19705 | 13 14 13.84 | -08 04 07.1 | | 691 | 1994 HX | 1994 04 16.34580 | 13 28 44.07 | -08 18 04.7 | | 691 |
| 1994 HP | 1994 04 19.22060 | 13 14 12.68 | -08 03 59.6 | 20.6 V | 691 | 1994 HX | 1994 04 19.20510 | 13 25 51.47 | -07 59 47.5 | | 691 |
| 1994 HP | 1994 04 19.24429 | 13 14 11.60 | -08 03 52.8 | | 691 | 1994 HX | 1994 04 19.22865 | 13 25 50.00 | -07 59 39.8 | 20.4 V | 691 |
| 1994 HQ | * 1994 04 16.29052 | 13 17 57.64 | -08 24 23.5 | 17.8 V | 691 | 1994 HX | 1994 04 19.25234 | 13 25 48.50 | -07 59 29.6 | | 691 |
| 1994 HQ | 1994 04 16.31428 | 13 17 56.60 | -08 24 04.2 | | 691 | 1994 HX | 1994 04 20.36375 | 13 24 41.73 | -07 52 28.1 | 20.5 V | 691 |

| | | | | | | | | | | |
|----------------------|--------------------|-------------|-------------|--------|----------------------|----------------------|------------------|-------------|-------------|--------|
| 1994 HX | 1994 04 20.37119 | 13 24 41.26 | -07 52 25.3 | 691 | 1994 HE ₁ | 1994 04 19.25443 | 13 28 49.96 | -08 01 13.1 | 19.1 V | 691 |
| 1994 HX | 1994 04 20.37992 | 13 24 40.73 | -07 52 22.0 | 691 | 1994 HE ₁ | 1994 04 19.34122 | 13 28 45.67 | -08 00 53.2 | | 691 |
| 1994 HY | * 1994 04 16.29804 | 13 28 48.74 | -08 27 14.1 | 691 | 1994 HE ₁ | 1994 04 19.34919 | 13 28 45.28 | -08 00 51.0 | 19.0 V | 691 |
| 1994 HY | 1994 04 16.32180 | 13 28 47.63 | -08 27 08.2 | 20.4 V | 691 | 1994 HE ₁ | 1994 04 19.35706 | 13 28 44.90 | -08 00 49.2 | 691 |
| 1994 HY | 1994 04 16.34583 | 13 28 46.52 | -08 27 02.5 | 691 | 1994 HE ₁ | 1994 04 20.36600 | 13 27 56.86 | -07 56 50.9 | 19.1 V | 691 |
| 1994 HY | 1994 04 19.20565 | 13 26 39.21 | -08 15 16.3 | 20.5 V | 691 | 1994 HE ₁ | 1994 04 20.37344 | 13 27 56.48 | -07 56 49.3 | 691 |
| 1994 HY | 1994 04 19.22920 | 13 26 38.12 | -08 15 10.2 | 691 | 1994 HE ₁ | 1994 04 20.38217 | 13 27 56.05 | -07 56 47.5 | | 691 |
| 1994 HY | 1994 04 19.25290 | 13 26 37.02 | -08 15 03.5 | 691 | 1994 HF ₁ | * 1994 04 19.20735 | 13 29 05.91 | -07 57 02.7 | 20.0 V | 691 |
| 1994 HZ | * 1994 04 16.29822 | 13 29 04.33 | -08 16 09.3 | 691 | 1994 HF ₁ | 1994 04 19.23090 | 13 29 04.63 | -07 56 55.3 | | 691 |
| 1994 HZ | 1994 04 16.32197 | 13 29 03.03 | -08 16 00.0 | 19.1 V | 691 | 1994 HF ₁ | 1994 04 19.25459 | 13 29 03.37 | -07 56 48.5 | 691 |
| 1994 HZ | 1994 04 16.34601 | 13 29 01.76 | -08 15 50.0 | 691 | 1994 HF ₁ | 1994 04 19.34137 | 13 28 58.72 | -07 56 23.7 | | 691 |
| 1994 HZ | 1994 04 19.20562 | 13 26 36.10 | -07 56 31.8 | 691 | 1994 HF ₁ | 1994 04 19.34934 | 13 28 58.26 | -07 56 21.1 | 20.1 V | 691 |
| 1994 HZ | 1994 04 19.22917 | 13 26 34.88 | -07 56 22.7 | 19.2 V | 691 | 1994 HF ₁ | 1994 04 19.35721 | 13 28 57.87 | -07 56 18.4 | 691 |
| 1994 HZ | 1994 04 19.25286 | 13 26 33.66 | -07 56 13.4 | 691 | 1994 HF ₁ | 1994 04 20.36610 | 13 28 05.40 | -07 51 24.7 | 20.0 V | 691 |
| 1994 HZ | 1994 04 20.36439 | 13 25 37.59 | -07 48 49.0 | 691 | 1994 HF ₁ | 1994 04 20.37354 | 13 28 05.05 | -07 51 22.2 | | 691 |
| 1994 HZ | 1994 04 20.37183 | 13 25 37.22 | -07 48 46.1 | 19.3 V | 691 | 1994 HF ₁ | 1994 04 20.38227 | 13 28 04.60 | -07 51 20.0 | 691 |
| 1994 HZ | 1994 04 20.38056 | 13 25 36.75 | -07 48 42.8 | 691 | 1994 HG ₁ | * 1994 04 19.20816 | 13 30 15.98 | -08 10 26.3 | | 691 |
| 1994 HA ₁ | * 1994 04 16.29900 | 13 30 11.71 | -08 21 46.0 | 20.4 V | 691 | 1994 HG ₁ | 1994 04 19.23170 | 13 30 14.47 | -08 10 23.0 | 691 |
| 1994 HA ₁ | 1994 04 16.32275 | 13 30 10.46 | -08 21 33.0 | 691 | 1994 HG ₁ | 1994 04 19.25539 | 13 30 12.93 | -08 10 20.0 | 20.2 V | 691 |
| 1994 HA ₁ | 1994 04 16.34678 | 13 30 09.16 | -08 21 20.0 | 691 | 1994 HG ₁ | 1994 04 20.36676 | 13 29 03.06 | -08 07 47.7 | 20.7 V | 691 |
| 1994 HA ₁ | 1994 04 19.34042 | 13 27 36.65 | -07 54 56.3 | 691 | 1994 HG ₁ | 1994 04 20.37420 | 13 29 02.61 | -08 07 46.9 | | 691 |
| 1994 HA ₁ | 1994 04 19.34839 | 13 27 36.16 | -07 54 52.0 | 20.2 V | 691 | 1994 HG ₁ | 1994 04 20.38293 | 13 29 02.02 | -08 07 46.0 | 691 |
| 1994 HA ₁ | 1994 04 19.35626 | 13 27 35.78 | -07 54 48.5 | 691 | 1994 HH ₁ | * 1994 04 19.33839 | 13 24 40.62 | -07 47 00.4 | 19.7 V | 691 |
| 1994 HA ₁ | 1994 04 20.36517 | 13 26 45.12 | -07 46 01.3 | 691 | 1994 HH ₁ | 1994 04 19.34636 | 13 24 40.19 | -07 46 58.4 | | 691 |
| 1994 HA ₁ | 1994 04 20.37261 | 13 26 44.75 | -07 45 56.7 | 691 | 1994 HH ₁ | 1994 04 19.35423 | 13 24 39.62 | -07 46 57.6 | | 691 |
| 1994 HA ₁ | 1994 04 20.38134 | 13 26 44.28 | -07 45 52.6 | 20.4 V | 691 | 1994 HH ₁ | 1994 04 20.36310 | 13 23 45.98 | -07 42 51.8 | 20.1 V |
| 1994 HB ₁ | * 1994 04 19.20533 | 13 26 10.81 | -07 47 41.7 | 691 | 1994 HH ₁ | 1994 04 20.37054 | 13 23 45.56 | -07 42 49.7 | | 691 |
| 1994 HB ₁ | 1994 04 19.22888 | 13 26 09.55 | -07 47 29.8 | 19.6 V | 691 | 1994 HH ₁ | 1994 04 20.37927 | 13 23 45.08 | -07 42 47.1 | 691 |
| 1994 HB ₁ | 1994 04 19.25257 | 13 26 08.22 | -07 47 21.3 | 691 | 1994 HJ ₁ | * 1994 04 19.33907 | 13 25 39.63 | -07 47 44.0 | 19.2 V | 691 |
| 1994 HB ₁ | 1994 04 19.33934 | 13 26 03.44 | -07 46 45.2 | 691 | 1994 HJ ₁ | 1994 04 19.34704 | 13 25 39.28 | -07 47 42.1 | | 691 |
| 1994 HB ₁ | 1994 04 19.34731 | 13 26 03.00 | -07 46 42.1 | 691 | 1994 HJ ₁ | 1994 04 19.35491 | 13 25 38.92 | -07 47 39.8 | | 691 |
| 1994 HB ₁ | 1994 04 19.35518 | 13 26 02.56 | -07 46 38.8 | 20.1 V | 691 | 1994 HJ ₁ | 1994 04 20.36391 | 13 24 56.11 | -07 43 20.1 | 19.3 V |
| 1994 HB ₁ | 1994 04 20.36406 | 13 25 08.52 | -07 39 48.1 | 691 | 1994 HJ ₁ | 1994 04 20.37136 | 13 24 55.82 | -07 43 18.4 | | 691 |
| 1994 HB ₁ | 1994 04 20.37150 | 13 25 08.10 | -07 39 45.0 | 20.0 V | 691 | 1994 HJ ₁ | 1994 04 20.38009 | 13 24 55.45 | -07 43 15.8 | 691 |
| 1994 HB ₁ | 1994 04 20.38023 | 13 25 07.62 | -07 39 41.0 | 691 | 1994 HK ₁ | * 1994 04 19.33924 | 13 25 54.86 | -07 53 25.2 | | 691 |
| 1994 HC ₁ | * 1994 04 19.20670 | 13 28 10.21 | -07 46 08.3 | 17.7 V | 691 | 1994 HK ₁ | 1994 04 19.34722 | 13 25 54.35 | -07 53 23.2 | 691 |
| 1994 HC ₁ | 1994 04 19.23026 | 13 28 09.13 | -07 46 01.6 | 691 | 1994 HK ₁ | 1994 04 19.35508 | 13 25 53.87 | -07 53 21.4 | 21.1 V | 691 |
| 1994 HC ₁ | 1994 04 19.25395 | 13 28 08.05 | -07 45 55.3 | 691 | 1994 HK ₁ | 1994 04 20.36390 | 13 24 55.10 | -07 49 29.9 | | 691 |
| 1994 HC ₁ | 1994 04 19.34074 | 13 28 04.10 | -07 45 32.1 | 691 | 1994 HK ₁ | 1994 04 20.37134 | 13 24 54.70 | -07 49 27.5 | | 691 |
| 1994 HC ₁ | 1994 04 19.34871 | 13 28 03.73 | -07 45 29.6 | 17.6 V | 691 | 1994 HK ₁ | 1994 04 20.38007 | 13 24 54.14 | -07 49 26.3 | 21.4 V |
| 1994 HC ₁ | 1994 04 19.35658 | 13 28 03.37 | -07 45 27.5 | 691 | 1994 HL ₁ | * 1994 04 19.34076 | 13 28 05.91 | -08 04 58.4 | | 691 |
| 1994 HC ₁ | 1994 04 20.36556 | 13 27 18.57 | -07 40 53.8 | 691 | 1994 HL ₁ | 1994 04 19.34873 | 13 28 05.50 | -08 04 55.2 | | 691 |
| 1994 HC ₁ | 1994 04 20.37300 | 13 27 18.22 | -07 40 51.8 | 17.8 V | 691 | 1994 HL ₁ | 1994 04 19.35660 | 13 28 05.03 | -08 04 52.1 | 19.3 V |
| 1994 HC ₁ | 1994 04 20.38173 | 13 27 17.82 | -07 40 49.4 | 691 | 1994 HL ₁ | 1994 04 20.36549 | 13 27 12.61 | -07 58 17.2 | 19.3 V | 691 |
| 1994 HD ₁ | * 1994 04 19.20700 | 13 28 35.54 | -08 15 18.0 | 19.9 V | 691 | 1994 HL ₁ | 1994 04 20.37293 | 13 27 12.18 | -07 58 14.5 | 691 |
| 1994 HD ₁ | 1994 04 19.23055 | 13 28 34.25 | -08 15 09.0 | 691 | 1994 HL ₁ | 1994 04 20.38166 | 13 27 11.71 | -07 58 10.9 | | 691 |
| 1994 HD ₁ | 1994 04 19.25424 | 13 28 32.88 | -08 15 00.6 | 691 | 1994 HM ₁ | * 1994 04 19.34076 | 13 28 06.44 | -07 42 05.1 | 17.7 V | 691 |
| 1994 HD ₁ | 1994 04 20.36572 | 13 27 32.89 | -08 08 11.1 | 691 | 1994 HM ₁ | 1994 04 19.34873 | 13 28 06.01 | -07 42 04.1 | | 691 |
| 1994 HD ₁ | 1994 04 20.37316 | 13 27 32.43 | -08 08 07.9 | 20.3 V | 691 | 1994 HM ₁ | 1994 04 19.35660 | 13 28 05.59 | -07 42 03.3 | 691 |
| 1994 HD ₁ | 1994 04 20.38189 | 13 27 31.96 | -08 08 04.6 | 691 | 1994 HM ₁ | 1994 04 20.36550 | 13 27 13.68 | -07 40 44.5 | | 691 |
| 1994 HE ₁ | * 1994 04 19.20719 | 13 28 52.27 | -08 01 24.3 | 691 | 1994 HM ₁ | 1994 04 20.37294 | 13 27 13.29 | -07 40 44.2 | 17.7 V | 691 |
| 1994 HE ₁ | 1994 04 19.23074 | 13 28 51.11 | -08 01 18.5 | 691 | 1994 HM ₁ | 1994 04 20.38167 | 13 27 12.81 | -07 40 43.4 | | 691 |

M.P.C. 23429

1994 MAY 25

| | | | | | | | | | | | |
|----------------------|--------------------|-------------|-------------|--------|-----|--------|------------------|-------------|-------------|--------|-----|
| 1994 HN ₁ | * 1994 04 19.34084 | 13 28 12.87 | -07 47 22.6 | | 691 | (822) | 1994 04 16.26362 | 13 05 05.25 | -07 08 34.6 | 14.4 V | 691 |
| 1994 HN ₁ | 1994 04 19.34881 | 13 28 12.39 | -07 47 22.2 | 20.4 V | 691 | (822) | 1994 04 16.27151 | 13 05 04.79 | -07 08 32.0 | | 691 |
| 1994 HN ₁ | 1994 04 19.35668 | 13 28 11.90 | -07 47 21.5 | | 691 | (822) | 1994 04 16.38674 | 13 04 58.02 | -07 07 48.8 | | 691 |
| 1994 HN ₁ | 1994 04 20.36546 | 13 27 10.24 | -07 46 12.7 | | 691 | (822) | 1994 04 16.39445 | 13 04 57.57 | -07 07 46.1 | 14.4 V | 691 |
| 1994 HN ₁ | 1994 04 20.37290 | 13 27 09.78 | -07 46 12.1 | 20.4 V | 691 | (822) | 1994 04 16.40237 | 13 04 57.11 | -07 07 43.1 | | 691 |
| 1994 HN ₁ | 1994 04 20.38163 | 13 27 09.25 | -07 46 11.0 | | 691 | (830) | 1994 04 02.21602 | 11 38 18.32 | +00 32 04.4 | | 691 |
| 1994 HO ₁ | * 1994 04 19.34118 | 13 28 42.18 | -08 04 48.1 | | 691 | (830) | 1994 04 02.28945 | 11 38 15.29 | +00 32 20.0 | 13.4 V | 691 |
| 1994 HO ₁ | 1994 04 19.34915 | 13 28 41.73 | -08 04 44.5 | 20.5 V | 691 | (830) | 1994 04 02.35997 | 11 38 12.40 | +00 32 35.2 | | 691 |
| 1994 HO ₁ | 1994 04 19.35701 | 13 28 41.28 | -08 04 40.9 | | 691 | (1044) | 1994 04 03.21890 | 11 44 11.08 | +08 01 59.1 | | 691 |
| 1994 HO ₁ | 1994 04 20.36588 | 13 27 46.29 | -07 58 25.6 | | 691 | (1044) | 1994 04 03.24634 | 11 44 09.69 | +08 02 04.9 | | 691 |
| 1994 HO ₁ | 1994 04 20.37332 | 13 27 45.90 | -07 58 22.9 | | 691 | (1044) | 1994 04 03.27300 | 11 44 08.32 | +08 02 10.6 | 14.2 V | 691 |
| 1994 HO ₁ | 1994 04 20.38205 | 13 27 45.40 | -07 58 19.9 | 20.7 V | 691 | (1092) | 1994 04 15.22170 | 12 09 53.83 | -09 11 08.7 | 14.5 V | 691 |
| 1994 HP ₁ | * 1994 04 19.34151 | 13 29 11.36 | -07 54 03.4 | | 691 | (1092) | 1994 04 15.22973 | 12 09 53.47 | -09 11 06.6 | | 691 |
| 1994 HP ₁ | 1994 04 19.34948 | 13 29 10.97 | -07 54 01.5 | 18.8 V | 691 | (1092) | 1994 04 15.23781 | 12 09 53.11 | -09 11 04.3 | | 691 |
| 1994 HP ₁ | 1994 04 19.35735 | 13 29 10.61 | -07 54 00.1 | | 691 | (1092) | 1994 04 16.15759 | 12 09 15.27 | -09 06 47.5 | 14.6 V | 691 |
| 1994 HP ₁ | 1994 04 20.36631 | 13 28 23.67 | -07 50 19.0 | | 691 | (1092) | 1994 04 16.16586 | 12 09 14.93 | -09 06 45.3 | | 691 |
| 1994 HP ₁ | 1994 04 20.37375 | 13 28 23.32 | -07 50 17.4 | | 691 | (1092) | 1994 04 16.17413 | 12 09 14.58 | -09 06 43.1 | | 691 |
| 1994 HP ₁ | 1994 04 20.38248 | 13 28 22.89 | -07 50 15.4 | 18.9 V | 691 | (1543) | 1994 04 05.15275 | 05 55 09.53 | +23 56 44.3 | | 691 |
| 1994 HQ ₁ | * 1994 04 19.34165 | 13 29 23.44 | -07 50 59.0 | 20.1 V | 691 | (1543) | 1994 04 05.16068 | 05 55 09.96 | +23 56 43.8 | 18.3 V | 691 |
| 1994 HQ ₁ | 1994 04 19.34962 | 13 29 23.05 | -07 50 56.6 | | 691 | (1543) | 1994 04 05.16878 | 05 55 10.41 | +23 56 43.0 | | 691 |
| 1994 HQ ₁ | 1994 04 19.35749 | 13 29 22.62 | -07 50 54.8 | | 691 | (1628) | 1994 04 03.31167 | 12 28 21.84 | +00 57 58.0 | 13.8 V | 691 |
| 1994 HQ ₁ | 1994 04 20.36641 | 13 28 32.83 | -07 46 25.4 | 20.3 V | 691 | (1628) | 1994 04 03.34069 | 12 28 20.63 | +00 58 16.1 | | 691 |
| 1994 HQ ₁ | 1994 04 20.37386 | 13 28 32.44 | -07 46 23.5 | | 691 | (1628) | 1994 04 03.36940 | 12 28 19.46 | +00 58 34.0 | | 691 |
| 1994 HQ ₁ | 1994 04 20.38259 | 13 28 32.03 | -07 46 20.7 | | 691 | (1861) | 1994 04 06.29135 | 13 30 12.33 | -08 37 24.5 | | 691 |
| 4601 P-L | 1994 04 15.35413 | 14 53 06.09 | -14 05 07.7 | 18.9 V | 691 | (1861) | 1994 04 06.31455 | 13 30 11.10 | -08 37 22.7 | 15.1 V | 691 |
| 4601 P-L | 1994 04 15.38912 | 14 53 04.54 | -14 05 01.0 | | 691 | (1861) | 1994 04 06.33789 | 13 30 09.87 | -08 37 20.7 | | 691 |
| 4601 P-L | 1994 04 15.42344 | 14 53 03.00 | -14 04 54.8 | | 691 | (1861) | 1994 04 16.29298 | 13 21 30.17 | -08 19 54.7 | 15.5 V | 691 |
| 4393 T-1 | 1993 03 24.33589 | 12 41 05.20 | -00 16 11.3 | | 691 | (1861) | 1994 04 16.31673 | 13 21 28.89 | -08 19 52.3 | | 691 |
| 4393 T-1 | 1993 03 24.36777 | 12 41 03.72 | -00 16 01.5 | | 691 | (1861) | 1994 04 16.34076 | 13 21 27.60 | -08 19 49.7 | | 691 |
| 4393 T-1 | 1993 03 24.39938 | 12 41 02.27 | -00 15 52.3 | 17.8 V | 691 | (1861) | 1994 04 19.20034 | 13 18 58.93 | -08 14 48.5 | 15.6 V | 691 |
| 5069 T-2 | 1994 04 15.15376 | 12 08 20.11 | -09 10 19.2 | | 691 | (1861) | 1994 04 19.22389 | 13 18 57.69 | -08 14 46.2 | | 691 |
| 5069 T-2 | 1994 04 15.17781 | 12 08 19.19 | -09 10 10.2 | 18.6 V | 691 | (1861) | 1994 04 19.24758 | 13 18 56.42 | -08 14 44.0 | | 691 |
| 5069 T-2 | 1994 04 15.20321 | 12 08 18.13 | -09 10 00.4 | | 691 | (1878) | 1994 04 19.20239 | 13 21 56.76 | -07 48 30.8 | | 691 |
| 5069 T-2 | 1994 04 15.22058 | 12 08 17.44 | -09 09 53.3 | 18.5 V | 691 | (1878) | 1994 04 19.22594 | 13 21 55.62 | -07 48 23.6 | 15.5 V | 691 |
| 5069 T-2 | 1994 04 15.22862 | 12 08 17.11 | -09 09 50.6 | | 691 | (1878) | 1994 04 19.24964 | 13 21 54.48 | -07 48 16.3 | | 691 |
| 5069 T-2 | 1994 04 15.23670 | 12 08 16.78 | -09 09 47.1 | | 691 | (2004) | 1994 04 03.12715 | 10 46 15.91 | +08 39 11.3 | 15.7 V | 691 |
| 5069 T-2 | 1994 04 16.15651 | 12 07 41.50 | -09 03 52.4 | 19.2 V | 691 | (2004) | 1994 04 03.15393 | 10 46 14.88 | +08 39 14.0 | | 691 |
| 5069 T-2 | 1994 04 16.16477 | 12 07 41.15 | -09 03 49.0 | | 691 | (2004) | 1994 04 03.18112 | 10 46 13.90 | +08 39 17.1 | | 691 |
| 5069 T-2 | 1994 04 16.17305 | 12 07 40.84 | -09 03 46.1 | | 691 | (2049) | 1994 04 11.22739 | 13 24 28.77 | -07 25 50.9 | 16.9 V | 691 |
| (176) | 1994 04 10.37938 | 15 02 21.38 | -07 14 36.3 | 13.4 V | 691 | (2049) | 1994 04 11.28227 | 13 24 25.49 | -07 24 37.2 | | 691 |
| (176) | 1994 04 10.40231 | 15 02 20.64 | -07 14 25.7 | | 691 | (2113) | 1994 04 11.37773 | 13 24 57.42 | -08 41 10.6 | | 691 |
| (176) | 1994 04 10.42417 | 15 02 19.93 | -07 14 15.3 | | 691 | (2113) | 1994 04 11.40116 | 13 24 56.01 | -08 41 05.9 | 15.9 V | 691 |
| (650) | 1994 04 16.28611 | 13 11 35.12 | -08 35 18.7 | 16.5 V | 691 | (2113) | 1994 04 11.42478 | 13 24 54.58 | -08 41 01.1 | | 691 |
| (650) | 1994 04 16.30986 | 13 11 33.82 | -08 35 10.0 | | 691 | (2113) | 1994 04 16.29206 | 13 20 10.52 | -08 24 39.1 | 16.1 V | 691 |
| (650) | 1994 04 16.33389 | 13 11 32.51 | -08 35 01.2 | | 691 | (2113) | 1994 04 16.31581 | 13 20 09.10 | -08 24 34.4 | | 691 |
| (796) | 1994 04 12.27008 | 13 58 52.13 | -09 26 18.7 | | 691 | (2113) | 1994 04 16.33984 | 13 20 07.67 | -08 24 29.5 | | 691 |
| (796) | 1994 04 12.33465 | 13 58 48.42 | -09 26 13.2 | | 691 | (2113) | 1994 04 19.19923 | 13 17 23.00 | -08 14 57.3 | 16.2 V | 691 |
| (796) | 1994 04 12.41153 | 13 58 43.90 | -09 26 06.9 | 14.4 V | 691 | (2113) | 1994 04 19.22278 | 13 17 21.61 | -08 14 52.7 | | 691 |
| (822) | 1994 04 06.20572 | 13 14 56.81 | -08 12 43.3 | | 691 | (2113) | 1994 04 19.24647 | 13 17 20.21 | -08 14 47.9 | | 691 |
| (822) | 1994 04 06.22892 | 13 14 55.41 | -08 12 34.8 | | 691 | (2160) | 1994 04 03.38859 | 12 52 37.06 | -01 46 00.2 | | 691 |
| (822) | 1994 04 06.25657 | 13 14 53.71 | -08 12 24.2 | 14.4 V | 691 | (2160) | 1994 04 03.43565 | 12 52 34.84 | -01 45 45.4 | 16.2 V | 691 |
| (822) | 1994 04 16.25570 | 13 05 05.72 | -07 08 37.5 | | 691 | (2341) | 1994 04 03.22142 | 11 47 48.79 | +07 43 39.9 | 15.9 V | 691 |

| | | | | | | | | | | | |
|--------|------------------|-------------|-------------|--------|-----|---------|------------------|-------------|-------------|--------|-----|
| (2341) | 1994 04 03.24885 | 11 47 47.25 | +07 43 45.9 | | 691 | (3555) | 1993 04 29.24483 | 12 19 33.55 | +00 56 21.1 | | 691 |
| (2341) | 1994 04 03.27551 | 11 47 45.73 | +07 43 51.8 | | 691 | (3636) | 1994 04 06.21237 | 13 24 32.89 | -07 45 51.1 | 16.1 V | 691 |
| (2495) | 1994 04 10.38779 | 15 14 29.52 | -07 06 00.9 | | 691 | (3636) | 1994 04 06.23557 | 13 24 31.37 | -07 45 46.8 | | 691 |
| (2495) | 1994 04 10.41072 | 15 14 28.69 | -07 05 34.1 | 18.1 V | 691 | (3636) | 1994 04 06.26322 | 13 24 29.57 | -07 45 41.1 | | 691 |
| (2495) | 1994 04 10.43257 | 15 14 28.02 | -07 05 08.2 | | 691 | (3636) | 1994 04 06.39897 | 13 24 20.63 | -07 45 12.2 | | 691 |
| (2563) | 1994 04 03.30541 | 12 19 20.31 | +01 09 55.8 | 15.2 V | 691 | (3636) | 1994 04 06.42254 | 13 24 19.08 | -07 45 07.3 | 16.3 V | 691 |
| (2563) | 1994 04 03.33444 | 12 19 19.05 | +01 10 04.2 | | 691 | (3636) | 1994 04 06.44585 | 13 24 17.56 | -07 45 02.4 | | 691 |
| (2563) | 1994 04 03.36315 | 12 19 17.77 | +01 10 11.5 | | 691 | (3636) | 1994 04 11.22377 | 13 19 14.83 | -07 28 03.4 | | 691 |
| (2630) | 1994 04 06.27915 | 13 12 36.11 | -08 27 49.3 | | 691 | (3636) | 1994 04 11.24985 | 13 19 13.11 | -07 27 58.1 | 15.8 V | 691 |
| (2630) | 1994 04 06.30236 | 13 12 35.06 | -08 27 43.7 | 16.0 V | 691 | (3636) | 1994 04 11.27864 | 13 19 11.20 | -07 27 51.7 | | 691 |
| (2630) | 1994 04 06.32570 | 13 12 33.98 | -08 27 37.9 | | 691 | (3847) | 1994 04 12.27250 | 14 02 21.84 | -09 14 43.2 | | 691 |
| (2630) | 1994 04 11.29554 | 13 08 49.41 | -08 07 03.0 | 16.4 V | 691 | (3847) | 1994 04 12.33708 | 14 02 19.01 | -09 14 29.3 | 17.4 V | 691 |
| (2630) | 1994 04 11.31890 | 13 08 48.33 | -08 06 57.4 | | 691 | (3847) | 1994 04 12.41398 | 14 02 15.57 | -09 14 13.2 | | 691 |
| (2630) | 1994 04 11.34230 | 13 08 47.23 | -08 06 51.3 | | 691 | (3917) | 1994 04 03.30747 | 12 22 18.38 | +01 07 05.4 | 16.4 V | 691 |
| (2721) | 1994 04 03.38584 | 12 48 39.12 | -02 05 14.0 | 17.4 V | 691 | (3917) | 1994 04 03.33649 | 12 22 16.77 | +01 07 16.6 | | 691 |
| (2721) | 1994 04 03.40946 | 12 48 38.10 | -02 05 07.8 | | 691 | (3917) | 1994 04 03.36520 | 12 22 15.18 | +01 07 27.3 | | 691 |
| (2721) | 1994 04 03.43291 | 12 48 37.10 | -02 05 01.7 | | 691 | (4370) | 1994 04 06.21945 | 13 01 03.92 | -08 10 08.7 | 17.2 V | 691 |
| (2727) | 1994 04 16.38549 | 13 03 09.80 | -06 56 19.4 | | 691 | (4370) | 1994 04 06.24712 | 13 01 02.14 | -08 09 57.4 | | 691 |
| (2727) | 1994 04 16.39320 | 13 03 09.43 | -06 56 16.7 | 15.0 V | 691 | (4497) | 1994 04 10.39392 | 15 23 20.70 | -07 11 39.7 | 17.4 V | 691 |
| (2727) | 1994 04 16.40112 | 13 03 09.05 | -06 56 13.7 | | 691 | (4497) | 1994 04 10.41685 | 15 23 19.77 | -07 11 34.5 | | 691 |
| (2751) | 1994 04 13.33431 | 13 23 03.77 | -10 33 51.6 | 16.0 V | 691 | (4497) | 1994 04 10.43870 | 15 23 18.89 | -07 11 30.4 | | 691 |
| (2751) | 1994 04 13.36638 | 13 23 01.89 | -10 33 39.6 | | 691 | (4966) | 1994 04 03.30538 | 12 19 17.48 | +00 49 47.6 | 18.0 V | 691 |
| (2751) | 1994 04 13.42431 | 13 22 58.48 | -10 33 18.6 | | 691 | (4966) | 1994 04 03.33441 | 12 19 16.10 | +00 50 00.4 | | 691 |
| (2782) | 1994 04 06.38570 | 13 05 11.23 | -07 38 05.6 | 17.6 V | 691 | (4966) | 1994 04 03.36311 | 12 19 14.73 | +00 50 12.8 | | 691 |
| (2782) | 1994 04 06.40927 | 13 05 09.93 | -07 37 59.5 | | 691 | (5024) | 1994 04 15.15701 | 12 13 01.50 | -09 00 26.0 | 16.6 V | 691 |
| (2782) | 1994 04 06.43259 | 13 05 08.66 | -07 37 53.6 | | 691 | (5024) | 1994 04 15.18105 | 12 13 00.42 | -09 00 23.7 | | 691 |
| (2782) | 1994 04 07.30117 | 13 04 22.15 | -07 34 10.9 | 17.0 V | 691 | (5024) | 1994 04 15.20646 | 12 12 59.26 | -09 00 20.8 | | 691 |
| (2992) | 1994 04 02.22367 | 11 49 20.70 | +00 35 58.7 | 16.8 V | 691 | (5359) | 1994 04 03.13643 | 10 59 39.98 | +08 52 08.3 | 17.9 V | 691 |
| (2992) | 1994 04 02.29709 | 11 49 17.53 | +00 36 31.2 | | 691 | (5359) | 1994 04 03.16321 | 10 59 38.86 | +08 52 13.8 | | 691 |
| (2992) | 1994 04 02.36761 | 11 49 14.46 | +00 37 02.6 | | 691 | (5359) | 1994 04 03.19040 | 10 59 37.75 | +08 52 19.3 | | 691 |
| (2996) | 1994 04 02.21125 | 11 31 24.89 | +00 29 23.6 | | 691 | (5396) | 1994 04 19.19794 | 13 15 31.43 | -08 10 53.1 | 17.4 V | 691 |
| (2996) | 1994 04 02.28467 | 11 31 21.51 | +00 29 40.8 | | 691 | (5396) | 1994 04 19.22149 | 13 15 30.16 | -08 10 43.1 | | 691 |
| (2996) | 1994 04 02.35519 | 11 31 18.30 | +00 29 57.6 | 15.8 V | 691 | (5396) | 1994 04 19.24519 | 13 15 28.87 | -08 10 32.9 | | 691 |
| (3056) | 1994 04 05.12996 | 04 24 47.46 | +26 18 57.0 | 17.5 V | 691 | (5413) | 1994 04 15.25982 | 13 29 37.78 | -09 09 58.7 | | 691 |
| (3056) | 1994 04 05.13840 | 04 24 48.42 | +26 18 58.6 | | 691 | (5413) | 1994 04 15.28482 | 13 29 36.62 | -09 09 52.7 | 15.5 V | 691 |
| (3056) | 1994 04 05.14780 | 04 24 49.48 | +26 19 00.4 | | 691 | (5413) | 1994 04 15.30982 | 13 29 35.42 | -09 09 46.2 | | 691 |
| (3338) | 1994 04 03.12564 | 10 44 04.71 | +08 57 37.4 | 17.6 V | 691 | (5865) | 1994 04 06.29137 | 13 30 13.94 | -08 32 29.7 | 17.1 V | 691 |
| (3338) | 1994 04 03.15242 | 10 44 03.58 | +08 57 44.1 | | 691 | (5865) | 1994 04 06.31457 | 13 30 12.68 | -08 32 19.1 | | 691 |
| (3338) | 1994 04 03.17960 | 10 44 02.45 | +08 57 50.9 | | 691 | (5865) | 1994 04 06.33790 | 13 30 11.46 | -08 32 08.6 | | 691 |
| (3370) | 1994 04 10.39529 | 15 25 18.97 | -07 13 18.0 | 17.3 V | 691 | (5865) | 1994 04 11.30735 | 13 25 53.04 | -07 52 49.1 | 17.1 V | 691 |
| (3370) | 1994 04 10.41822 | 15 25 18.08 | -07 13 09.3 | | 691 | (5865) | 1994 04 11.33072 | 13 25 51.79 | -07 52 37.5 | | 691 |
| (3370) | 1994 04 10.44007 | 15 25 17.23 | -07 13 01.5 | | 691 | (5865) | 1994 04 11.35411 | 13 25 50.52 | -07 52 27.0 | | 691 |
| (3463) | 1994 04 02.14135 | 11 09 15.36 | +09 55 43.3 | 16.3 V | 691 | | | | | | |
| (3463) | 1994 04 02.16544 | 11 09 14.37 | +09 55 46.4 | | 691 | | | | | | |
| (3463) | 1994 04 02.18965 | 11 09 13.38 | +09 55 48.8 | | 691 | | | | | | |
| (3519) | 1994 04 06.39207 | 13 14 23.32 | -07 16 35.8 | | 691 | | | | | | |
| (3519) | 1994 04 06.41564 | 13 14 21.82 | -07 16 26.9 | 15.5 V | 691 | | | | | | |
| (3519) | 1994 04 06.43896 | 13 14 20.32 | -07 16 18.6 | | 691 | | | | | | |
| (3551) | 1994 04 12.15914 | 11 52 59.44 | +03 33 49.2 | 21.1 V | 691 | 1994 CY | 1993 09 19.23954 | 01 05 57.03 | +31 55 08.5 | 17.0 | 693 |
| (3551) | 1994 04 12.19485 | 11 52 57.66 | +03 34 04.0 | 21.2 V | 691 | 1994 CY | 1993 09 19.28166 | 01 05 55.95 | +31 55 08.3 | | 693 |
| (3555) | 1993 04 29.20078 | 12 19 35.20 | +00 56 18.3 | | 691 | 1994 CY | 1993 10 24.35425 | 00 45 28.12 | +28 06 20.0 | 16.5 | 693 |
| (3555) | 1993 04 29.22319 | 12 19 34.29 | +00 56 19.3 | 18.5 V | 691 | 1994 CY | 1993 10 24.38867 | 00 45 27.03 | +28 05 55.9 | | 693 |

693 University of Arizona, Catalina StationC. Hergenrother, Lunar and Planetary Laboratory, University of Arizona, Tucson,
AZ 85721, U.S.A.0.4-m $f/3$ Schmidt

695 Kitt Peak

T. J. Balonek, Dept. of Physics and Astronomy, Colgate University, Hamilton, NY
13346, U.S.A.

Observers T. J. Balonek, C. Tremonti, N. Silvestri

Burrell Schmidt + CCD

GSC

| | | | | | |
|-----------------------|------------------|-------------|-------------|--------|-----|
| 1993 FP ₂₁ | 1993 05 09.16837 | 12 28 45.36 | -05 05 00.2 | 19.0 R | 695 |
| 1993 FP ₂₁ | 1993 05 09.17363 | 12 28 45.33 | -05 04 59.3 | | 695 |
| 1993 FP ₂₁ | 1993 05 09.20240 | 12 28 44.75 | -05 04 58.2 | | 695 |
| 1993 FP ₂₁ | 1993 05 09.20821 | 12 28 44.73 | -05 04 57.6 | | 695 |
| 1993 FP ₂₁ | 1993 05 09.35015 | 12 28 42.03 | -05 04 49.9 | | 695 |
| 1993 FS ₂₁ | 1993 04 02.40465 | 12 56 48.89 | -05 36 06.7 | | 695 |
| 1993 FS ₂₁ | 1993 04 02.40712 | 12 56 48.79 | -05 36 04.4 | | 695 |
| 1993 FS ₂₁ | 1993 04 02.41010 | 12 56 48.66 | -05 36 03.2 | 18.1 R | 695 |
| 1993 FS ₂₁ | 1993 04 02.41249 | 12 56 48.53 | -05 36 02.6 | | 695 |
| 1993 FS ₂₁ | 1993 04 02.41979 | 12 56 48.20 | -05 35 58.1 | | 695 |
| 1993 FS ₂₁ | 1993 04 02.42730 | 12 56 47.89 | -05 35 53.1 | | 695 |
| 1993 FH ₂₃ | 1993 05 09.15682 | 12 25 57.29 | -04 06 10.6 | | 695 |
| 1993 FH ₂₃ | 1993 05 09.16243 | 12 25 57.17 | -04 06 08.5 | 19.0 R | 695 |
| 1993 FH ₂₃ | 1993 05 09.19133 | 12 25 56.44 | -04 06 00.1 | | 695 |
| 1993 FH ₂₃ | 1993 05 09.19640 | 12 25 56.33 | -04 05 58.3 | | 695 |
| 1993 FH ₂₃ | 1993 05 09.33175 | 12 25 53.09 | -04 05 16.0 | | 695 |
| 1993 FR ₂₅ | 1993 05 09.15682 | 12 25 13.36 | -04 20 37.5 | | 695 |
| 1993 FR ₂₅ | 1993 05 09.16243 | 12 25 13.32 | -04 20 36.6 | 18.5 R | 695 |
| 1993 FR ₂₅ | 1993 05 09.19133 | 12 25 13.08 | -04 20 32.9 | | 695 |
| 1993 FR ₂₅ | 1993 05 09.19640 | 12 25 13.05 | -04 20 32.4 | | 695 |
| 1993 FT ₃₇ | 1993 05 09.17914 | 12 38 10.43 | -01 20 53.5 | | 695 |
| 1993 FT ₃₇ | 1993 05 09.18457 | 12 38 10.33 | -01 20 52.8 | 17.5 R | 695 |
| 1993 FT ₃₇ | 1993 05 09.21465 | 12 38 09.80 | -01 20 49.9 | | 695 |
| 1993 FT ₃₇ | 1993 05 09.21993 | 12 38 09.71 | -01 20 49.3 | | 695 |
| 1993 FT ₃₇ | 1993 05 09.35631 | 12 38 07.38 | -01 20 35.5 | | 695 |

760 Goethe Link

E. Bowell, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001,
U.S.A.

Observers W. T. Hughes, R. A. Jarrell, J. E. Michlovic

Measurers B. A. Skiff

0.25-m refractor

PDS scanning microdensitometer

PPM, global solutions

| | | | | | |
|-----------------------|------------------|-------------|-------------|------|-------|
| 1985 JW ₁ | 1956 05 13.15313 | 14 32 42.70 | -04 58 11.6 | 15.8 | 760 |
| 1985 JW ₁ | 1956 05 13.18715 | 14 32 40.89 | -04 58 15.6 | | 760 |
| 1990 SQ ₁₆ | 1965 02 28.27541 | 12 03 02.28 | +08 42 13.0 | 17.2 | V 760 |
| 1994 EQ ₃ | 1956 05 13.15313 | 14 19 41.24 | -03 43 55.0 | 15.5 | 760 |
| 1994 EQ ₃ | 1956 05 13.18715 | 14 19 39.99 | -03 43 53.5 | | 760 |
| 1994 EQ ₃ | 1965 02 28.27541 | 12 01 43.38 | +07 12 54.2 | 17.0 | I 760 |
| 1994 EQ ₃ | 1965 02 28.32124 | 12 01 41.94 | +07 13 10.0 | | V 760 |
| (572) | 1956 05 13.15313 | 14 41 51.79 | -07 01 55.4 | 16.2 | E 760 |
| (572) | 1956 05 13.18715 | 14 41 49.88 | -07 01 40.3 | | E 760 |
| (660) | 1965 02 28.27541 | 11 46 35.26 | +06 46 33.4 | 12.0 | 760 |
| (660) | 1965 02 28.32124 | 11 46 33.13 | +06 47 08.0 | | p 760 |
| (799) | 1956 05 13.15313 | 14 41 55.78 | -08 00 30.7 | 15.2 | E 760 |

| | | | | | |
|--------|------------------|-------------|-------------|------|-------|
| (799) | 1956 05 13.18715 | 14 41 53.95 | -08 00 21.3 | | E 760 |
| (1044) | 1965 02 28.27541 | 11 58 08.59 | +06 59 14.0 | 15.8 | 760 |
| (1302) | 1965 02 28.27541 | 11 46 00.38 | +05 35 48.4 | 15.5 | 760 |
| (1631) | 1965 02 28.27541 | 12 08 25.79 | +04 24 16.1 | | p 760 |
| (1902) | 1956 05 13.15313 | 14 26 34.05 | -08 42 13.2 | | 760 |
| (1902) | 1956 05 13.18715 | 14 26 32.60 | -08 42 11.2 | | 760 |
| (1925) | 1965 02 28.27541 | 12 00 12.28 | +10 18 04.1 | | V 760 |
| (2066) | 1956 05 13.15313 | 14 21 27.21 | -06 52 46.2 | | 760 |
| (2066) | 1956 05 13.18715 | 14 21 25.52 | -06 52 41.6 | | 760 |
| (3129) | 1965 02 28.27541 | 12 09 54.58 | +09 03 11.5 | | 760 |
| (3129) | 1965 02 28.32124 | 12 09 52.88 | +09 03 37.4 | | V 760 |
| (3456) | 1965 02 28.27541 | 11 45 44.52 | +05 04 54.5 | | 760 |
| (3456) | 1965 02 28.32124 | 11 45 41.95 | +05 05 14.5 | | V 760 |
| (3565) | 1965 02 28.27541 | 12 05 11.21 | +10 26 24.9 | | V 760 |
| (4086) | 1956 05 13.15313 | 14 18 05.86 | -04 56 42.2 | | V 760 |
| (4086) | 1956 05 13.18715 | 14 18 04.65 | -04 56 43.8 | | V 760 |
| (4528) | 1965 02 28.27541 | 11 47 08.18 | +03 22 38.6 | | 760 |
| (4528) | 1965 02 28.32124 | 11 47 06.24 | +03 23 08.6 | | V 760 |
| (4635) | 1965 02 28.27541 | 11 59 24.34 | +06 19 35.1 | | I 760 |
| (4845) | 1965 02 28.32124 | 11 56 06.87 | +09 25 52.0 | 17.0 | V 760 |

786 U.S. Naval Observatory

J. A. DeYoung, U.S. Naval Observatory, 3450 Massachusetts Avenue NW,
Washington, DC 20392-5420, U.S.A.

0.61-m reflector + CCD

GSC

| | | | | | |
|----------------------|------------------|-------------|-------------|--|-----|
| 1994 AE ₂ | 1994 05 02.06299 | 08 22 52.20 | +26 50 57.4 | | 786 |
| 1994 AE ₂ | 1994 05 02.07392 | 08 22 53.32 | +26 50 54.0 | | 786 |

801 Oak Ridge

R. E. McCrosky, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street,
Cambridge, MA 02138, U.S.A.

Observers R. E. McCrosky, J. Zajac, C.-Y. Shao

Measurers R. E. McCrosky, C.-Y. Shao

1.5-m reflector + CCD

GSC

| | | | | | |
|----------------------|------------------|-------------|-------------|--|-------|
| 1934 GA | 1994 04 09.01165 | 05 40 29.71 | +39 48 31.1 | | U 801 |
| 1934 GA | 1994 04 15.01763 | 05 53 26.26 | +39 58 39.5 | | 801 |
| 1934 GA | 1994 04 15.03015 | 05 53 27.91 | +39 58 40.6 | | 801 |
| 1934 RB | 1994 04 11.24899 | 13 56 58.52 | -04 03 56.1 | | 801 |
| 1934 RB | 1994 04 11.26263 | 13 56 57.82 | -04 03 48.5 | | 801 |
| 1938 HA | 1994 04 08.14172 | 11 45 12.86 | +13 09 04.6 | | 801 |
| 1938 HA | 1994 04 08.15861 | 11 45 12.14 | +13 09 04.4 | | 801 |
| 1938 HA | 1994 04 15.18108 | 11 40 23.20 | +13 04 47.9 | | 801 |
| 1942 RJ | 1994 04 09.17079 | 12 43 18.97 | -14 57 29.1 | | 801 |
| 1942 RJ | 1994 04 09.18184 | 12 43 18.29 | -14 57 24.7 | | 801 |
| 1972 HL | 1994 04 12.35892 | 17 35 00.17 | -12 13 02.6 | | 801 |
| 1972 HL | 1994 04 12.36387 | 17 35 00.35 | -12 13 01.1 | | 801 |
| 1972 HL | 1994 04 14.35527 | 17 36 01.20 | -11 52 47.0 | | 801 |
| 1972 HL | 1994 04 14.37565 | 17 36 01.82 | -11 52 34.1 | | 801 |
| 1973 SK ₁ | 1994 04 08.17787 | 12 37 53.58 | +01 48 40.7 | | 801 |
| 1973 SK ₁ | 1994 04 08.19589 | 12 37 52.95 | +01 48 46.0 | | 801 |
| 1973 SK ₁ | 1994 04 15.19937 | 12 33 58.49 | +02 22 42.0 | | 801 |

| | | | | | | | | | |
|----------------------|------------------|-------------|-------------|-------|----------------------|------------------|-------------|-------------|-------|
| 1973 SK ₁ | 1994 04 15.22308 | 12 33 57.69 | +02 22 48.5 | 801 | 1984 EG | 1994 04 08.12568 | 11 21 57.68 | +13 35 31.8 | 801 |
| 1975 VW ₂ | 1994 04 09.14605 | 10 29 13.77 | +13 33 05.1 | r 801 | 1984 EG | 1994 04 15.14215 | 11 18 57.63 | +13 51 26.9 | 801 |
| 1975 VW ₂ | 1994 04 15.11420 | 10 28 00.40 | +13 43 08.0 | 801 | 1984 EG | 1994 04 15.17331 | 11 18 56.99 | +13 51 28.8 | 801 |
| 1975 VW ₂ | 1994 04 15.16428 | 10 27 59.98 | +13 43 10.9 | 801 | 1984 HS ₁ | 1994 04 08.24934 | 14 09 05.74 | -13 42 18.6 | 801 |
| 1977 EF ₁ | 1994 04 08.24701 | 14 07 33.21 | -04 31 44.0 | 801 | 1984 HS ₁ | 1994 04 08.26645 | 14 09 04.86 | -13 42 14.7 | 801 |
| 1977 EF ₁ | 1994 04 08.26373 | 14 07 32.54 | -04 31 32.8 | 801 | 1984 HS ₁ | 1994 04 14.29042 | 14 03 46.02 | -13 09 02.0 | 801 |
| 1977 EF ₁ | 1994 04 14.28881 | 14 03 23.59 | -03 20 42.3 | 801 | 1984 HS ₁ | 1994 04 14.30126 | 14 03 45.43 | -13 08 58.9 | 801 |
| 1977 EF ₁ | 1994 04 14.29970 | 14 03 23.11 | -03 20 34.8 | 801 | 1984 JA ₂ | 1994 04 08.15000 | 11 57 28.23 | +14 10 04.1 | 801 |
| 1978 QG ₂ | 1994 04 08.17543 | 12 31 51.63 | -02 57 51.7 | 801 | 1984 JA ₂ | 1994 04 08.16735 | 11 57 27.45 | +14 10 04.8 | 801 |
| 1978 QG ₂ | 1994 04 08.18918 | 12 31 50.84 | -02 57 43.8 | 801 | 1984 JA ₂ | 1994 04 15.19161 | 11 52 40.05 | +14 10 25.6 | 801 |
| 1978 QG ₂ | 1994 04 11.17898 | 12 29 05.88 | -02 32 48.4 | 801 | 1984 JA ₂ | 1994 04 15.21362 | 11 52 39.22 | +14 10 24.4 | 801 |
| 1978 QG ₂ | 1994 04 11.19108 | 12 29 05.29 | -02 32 42.3 | 801 | 1985 FD | 1994 04 08.27506 | 15 06 19.21 | +05 39 04.7 | 801 |
| 1979 FQ ₂ | 1994 04 09.08197 | 10 05 44.30 | +26 22 24.9 | 801 | 1985 FD | 1994 04 08.30140 | 15 06 18.28 | +05 39 11.0 | 801 |
| 1979 FQ ₂ | 1994 04 09.13252 | 10 05 43.66 | +26 22 13.0 | 801 | 1985 FD | 1994 04 11.29058 | 15 04 30.40 | +05 50 42.0 | 801 |
| 1979 FQ ₂ | 1994 04 15.09946 | 10 05 02.72 | +25 56 54.0 | 801 | 1985 FD | 1994 04 11.30652 | 15 04 29.76 | +05 50 45.7 | 801 |
| 1979 FQ ₂ | 1994 04 15.12494 | 10 05 02.63 | +25 56 46.9 | 801 | 1985 GK | 1994 04 11.33247 | 16 15 42.24 | -13 13 04.3 | 801 |
| 1980 DD ₁ | 1994 04 08.14637 | 11 57 00.87 | +07 41 55.8 | 801 | 1985 GK | 1994 04 11.35987 | 16 15 41.76 | -13 12 51.9 | 801 |
| 1980 DD ₁ | 1994 04 08.16250 | 11 57 00.07 | +07 41 56.3 | 801 | 1985 GK | 1994 04 15.31817 | 16 14 38.56 | -12 43 03.8 | 801 |
| 1980 DD ₁ | 1994 04 15.18513 | 11 51 40.66 | +07 40 59.1 | 801 | 1985 GK | 1994 04 15.34582 | 16 14 38.01 | -12 42 51.2 | 801 |
| 1980 DD ₁ | 1994 04 15.20834 | 11 51 39.69 | +07 40 58.2 | 801 | 1985 JL | 1994 04 08.27063 | 14 52 22.58 | -03 32 55.3 | 801 |
| 1981 JB ₃ | 1994 04 14.29755 | 14 42 39.35 | -11 51 25.7 | 801 | 1985 JL | 1994 04 08.29278 | 14 52 21.72 | -03 32 53.5 | 801 |
| 1981 JB ₃ | 1994 04 14.31282 | 14 42 38.57 | -11 51 24.6 | 801 | 1985 JL | 1994 04 14.28698 | 14 48 21.75 | -03 27 02.9 | r 801 |
| 1981 JB ₃ | 1994 04 15.28727 | 14 41 48.42 | -11 50 28.4 | 801 | 1985 JL | 1994 04 14.30317 | 14 48 20.98 | -03 27 02.0 | r 801 |
| 1981 JB ₃ | 1994 04 15.30243 | 14 41 47.57 | -11 50 27.5 | 801 | 1986 EN | 1994 04 08.32958 | 17 31 37.16 | +10 58 12.5 | 801 |
| 1981 SA ₅ | 1994 04 08.22258 | 13 45 47.56 | -10 32 46.7 | 801 | 1986 EN | 1994 04 08.34319 | 17 31 37.74 | +10 58 25.0 | 801 |
| 1981 SA ₅ | 1994 04 08.23578 | 13 45 46.95 | -10 32 42.9 | 801 | 1986 EN | 1994 04 12.30887 | 17 34 17.21 | +11 57 16.8 | 801 |
| 1981 SZ ₇ | 1994 04 08.23823 | 13 57 35.28 | -09 59 59.9 | 801 | 1986 EN | 1994 04 12.32454 | 17 34 17.72 | +11 57 31.1 | 801 |
| 1981 SZ ₇ | 1994 04 08.25358 | 13 57 34.47 | -09 59 59.6 | 801 | 1986 TU ₆ | 1994 04 08.12319 | 11 42 27.86 | -12 15 03.0 | 801 |
| 1981 SZ ₇ | 1994 04 15.27043 | 13 51 15.99 | -09 49 39.2 | 801 | 1986 TU ₆ | 1994 04 08.13977 | 11 42 27.19 | -12 14 57.6 | 801 |
| 1981 SZ ₇ | 1994 04 15.28275 | 13 51 15.32 | -09 49 37.9 | 801 | 1986 TU ₆ | 1994 04 15.15304 | 11 38 04.41 | -11 36 38.3 | 801 |
| 1981 TJ ₄ | 1994 04 09.08670 | 10 08 55.34 | +22 34 23.1 | 801 | 1986 TU ₆ | 1994 04 15.17924 | 11 38 03.52 | -11 36 29.4 | 801 |
| 1981 TJ ₄ | 1994 04 09.13498 | 10 08 54.42 | +22 34 15.0 | 801 | 1987 DF | 1994 03 21.08640 | 07 58 34.44 | +09 36 04.3 | 801 |
| 1981 TJ ₄ | 1994 04 15.10237 | 10 07 34.81 | +22 14 52.5 | 801 | 1987 DF | 1994 03 21.10803 | 07 58 34.57 | +09 36 19.0 | 801 |
| 1981 TJ ₄ | 1994 04 15.13155 | 10 07 34.50 | +22 14 46.3 | 801 | 1987 EV | 1994 04 08.21580 | 13 32 58.16 | -17 59 48.7 | 801 |
| 1982 RK | 1994 04 08.18691 | 12 55 58.69 | +02 46 33.4 | I 801 | 1987 EV | 1994 04 08.22777 | 13 32 57.46 | -17 59 46.3 | 801 |
| 1982 RK | 1994 04 08.20249 | 12 55 57.74 | +02 46 40.0 | 801 | 1987 EV | 1994 04 11.21890 | 13 30 04.59 | -17 48 38.4 | 801 |
| 1982 RK | 1994 04 15.23042 | 12 49 13.26 | +03 24 31.4 | 801 | 1987 EV | 1994 04 11.22994 | 13 30 03.95 | -17 48 35.5 | 801 |
| 1982 RK | 1994 04 15.24581 | 12 49 12.43 | +03 24 36.3 | 801 | 1987 HA | 1994 04 08.28499 | 15 31 51.78 | +12 32 30.3 | 801 |
| 1982 SX ₅ | 1994 04 08.21976 | 13 34 56.05 | -13 16 58.4 | 801 | 1987 HA | 1994 04 08.30787 | 15 31 50.28 | +12 32 25.6 | 801 |
| 1982 SX ₅ | 1994 04 15.26149 | 13 28 37.78 | -12 44 46.8 | 801 | 1987 HA | 1994 04 11.31545 | 15 28 34.30 | +12 20 19.3 | 801 |
| 1982 SX ₅ | 1994 04 15.27399 | 13 28 37.06 | -12 44 43.6 | 801 | 1987 HA | 1994 04 11.32750 | 15 28 33.46 | +12 20 15.8 | 801 |
| 1983 AN ₂ | 1994 04 09.07519 | 09 54 12.59 | +27 04 55.3 | 801 | 1987 HS | 1994 04 08.24448 | 14 00 57.22 | +25 55 26.7 | 801 |
| 1983 AN ₂ | 1994 04 09.13725 | 09 54 12.00 | +27 04 45.1 | 801 | 1987 HS | 1994 04 08.26137 | 14 00 56.37 | +25 55 39.2 | 801 |
| 1983 AN ₂ | 1994 04 15.09069 | 09 53 44.51 | +26 46 40.8 | 801 | 1987 HS | 1994 04 12.28287 | 13 57 32.57 | +26 42 07.7 | 801 |
| 1983 AN ₂ | 1994 04 15.12880 | 09 53 44.42 | +26 46 33.2 | 801 | 1987 HS | 1994 04 12.29323 | 13 57 32.03 | +26 42 14.7 | 801 |
| 1983 BH | 1994 04 08.11706 | 11 40 11.38 | -11 48 43.3 | 801 | 1987 QS ₁ | 1994 04 09.11249 | 10 57 51.85 | -00 02 51.6 | 801 |
| 1983 BH | 1994 04 08.13341 | 11 40 10.68 | -11 48 35.8 | 801 | 1987 QS ₁ | 1994 04 09.15036 | 10 57 50.59 | -00 02 49.1 | 801 |
| 1984 CF | 1994 04 14.31722 | 15 33 53.95 | -06 48 04.1 | 801 | 1987 QS ₁ | 1994 04 15.13483 | 10 55 20.28 | +00 02 18.8 | 801 |
| 1984 CF | 1994 04 14.33962 | 15 33 53.20 | -06 48 01.5 | 801 | 1987 QS ₁ | 1994 04 15.16660 | 10 55 19.62 | +00 02 19.7 | 801 |
| 1984 CF | 1994 04 15.30500 | 15 33 18.13 | -06 45 38.9 | 801 | 1988 CP ₂ | 1994 04 08.27324 | 15 02 56.83 | -12 38 41.8 | 801 |
| 1984 CF | 1994 04 15.32888 | 15 33 17.23 | -06 45 35.4 | 801 | 1988 CP ₂ | 1994 04 08.29473 | 15 02 56.08 | -12 38 37.8 | 801 |
| 1984 EG | 1994 04 08.10527 | 11 21 58.39 | +13 35 27.9 | 801 | 1988 CP ₂ | 1994 04 11.27858 | 15 01 13.61 | -12 28 23.4 | 801 |

| | | | | | | | | | | |
|----------------------|------------------|-------------|-------------|-------|-----------------------|------------------|-------------|-------------|---|-----|
| 1988 CP ₂ | 1994 04 11.30207 | 15 01 12.86 | -12 28 18.5 | 801 | 1990 BV | 1994 02 07.42524 | 12 41 43.90 | +11 06 32.2 | r | 801 |
| 1988 JN | 1994 04 08.32425 | 17 10 04.43 | +06 47 51.1 | 801 | 1990 BV | 1994 04 09.12796 | 11 56 18.22 | +18 05 31.7 | | 801 |
| 1988 JN | 1994 04 08.35061 | 17 10 04.70 | +06 48 04.6 | 801 | 1990 BV | 1994 04 09.15707 | 11 56 16.79 | +18 05 34.6 | | 801 |
| 1988 JN | 1994 04 11.37265 | 17 10 32.53 | +07 14 10.4 | 801 | 1990 BV | 1994 04 15.18896 | 11 51 58.03 | +18 09 50.9 | | 801 |
| 1988 PX ₁ | 1994 04 09.11854 | 11 16 13.00 | +08 26 57.0 | 801 | 1990 BV | 1994 04 15.21082 | 11 51 57.11 | +18 09 50.5 | | 801 |
| 1988 PX ₁ | 1994 04 09.15432 | 11 16 11.70 | +08 27 08.5 | 801 | 1990 HK | 1994 04 08.21010 | 13 07 50.27 | -07 04 29.5 | | 801 |
| 1988 PX ₁ | 1994 04 15.14001 | 11 13 04.85 | +08 55 38.9 | t 801 | 1990 HK | 1994 04 08.22619 | 13 07 49.52 | -07 04 18.0 | | 801 |
| 1988 PX ₁ | 1994 04 15.16904 | 11 13 04.01 | +08 55 46.0 | 801 | 1990 HK | 1994 04 15.23628 | 13 02 41.69 | -05 41 12.0 | | 801 |
| 1988 RD | 1994 04 09.17340 | 13 06 34.78 | -18 14 51.4 | 801 | 1990 HK | 1994 04 15.25184 | 13 02 41.00 | -05 41 01.1 | | 801 |
| 1988 RD | 1994 04 09.18502 | 13 06 33.91 | -18 14 50.7 | 801 | 1990 KG | 1994 04 08.15234 | 12 02 39.44 | +28 16 34.2 | | 801 |
| 1988 RD | 1994 04 15.25407 | 12 59 14.81 | -18 11 29.0 | U 801 | 1990 KG | 1994 04 08.17256 | 12 02 38.59 | +28 16 36.5 | | 801 |
| 1988 TN | 1994 04 09.16080 | 11 58 26.16 | +01 08 25.2 | 801 | 1990 SK ₄ | 1994 04 08.29075 | 15 42 17.77 | -08 06 50.2 | | 801 |
| 1988 TN | 1994 04 09.17547 | 11 58 25.46 | +01 08 27.8 | 801 | 1990 SK ₄ | 1994 04 08.32098 | 15 42 16.82 | -08 06 53.7 | | 801 |
| 1988 TN | 1994 04 15.19381 | 11 53 44.21 | +01 24 34.1 | 801 | 1990 SK ₄ | 1994 04 11.31978 | 15 40 51.17 | -08 12 05.2 | U | 801 |
| 1988 TN | 1994 04 15.21573 | 11 53 43.20 | +01 24 37.1 | 801 | 1990 SK ₄ | 1994 04 11.35329 | 15 40 50.11 | -08 12 06.1 | U | 801 |
| 1988 VP | 1994 04 08.14353 | 11 45 53.63 | +21 15 38.7 | 801 | 1991 CZ | 1994 04 08.36244 | 18 17 56.02 | +08 57 04.9 | | 801 |
| 1988 VP | 1994 04 08.16039 | 11 45 52.80 | +21 15 36.0 | 801 | 1991 CZ | 1994 04 08.37174 | 18 17 56.69 | +08 57 12.7 | | 801 |
| 1988 VO ₁ | 1994 04 08.18432 | 12 52 56.15 | -10 55 14.7 | 801 | 1991 CZ | 1994 04 12.31565 | 18 22 21.96 | +09 54 47.9 | | 801 |
| 1988 VO ₁ | 1994 04 08.20012 | 12 52 55.26 | -10 55 07.0 | 801 | 1991 CZ | 1994 04 12.32728 | 18 22 22.75 | +09 54 57.0 | I | 801 |
| 1988 VO ₁ | 1994 04 11.18307 | 12 50 12.73 | -10 30 25.3 | 801 | 1991 CM ₅ | 1994 04 09.18968 | 13 16 54.00 | +39 04 32.1 | | 801 |
| 1988 VO ₁ | 1994 04 11.19480 | 12 50 12.11 | -10 30 17.9 | 801 | 1991 CM ₅ | 1994 04 09.20544 | 13 16 52.99 | +39 04 38.8 | | 801 |
| 1989 AG | 1994 04 11.27242 | 14 27 46.00 | +05 47 01.7 | 801 | 1991 CM ₅ | 1994 04 11.18693 | 13 14 55.65 | +39 17 44.9 | | 801 |
| 1989 AG | 1994 04 12.26231 | 14 26 56.07 | +05 50 53.4 | 801 | 1991 CM ₅ | 1994 04 11.19722 | 13 14 54.99 | +39 17 48.6 | | 801 |
| 1989 AG | 1994 04 12.27154 | 14 26 55.61 | +05 50 55.6 | 801 | 1991 FC | 1994 04 11.34641 | 17 22 30.00 | +03 31 56.2 | | 801 |
| 1989 BC | 1994 04 08.19322 | 12 58 49.03 | +17 45 15.9 | 801 | 1991 FC | 1994 04 12.30642 | 17 22 58.99 | +03 52 35.2 | W | 801 |
| 1989 BC | 1994 04 08.20741 | 12 58 48.27 | +17 45 18.7 | 801 | 1991 FC | 1994 04 12.32185 | 17 22 59.33 | +03 52 54.2 | W | 801 |
| 1989 BC | 1994 04 15.23470 | 12 53 06.49 | +17 59 44.2 | 801 | 1991 JS ₁ | 1994 04 11.21003 | 13 15 25.63 | +00 31 11.2 | | 801 |
| 1989 BC | 1994 04 15.24980 | 12 53 05.76 | +17 59 45.0 | 801 | 1991 JS ₁ | 1994 04 11.22208 | 13 15 24.92 | +00 31 16.7 | | 801 |
| 1989 GF ₄ | 1994 04 11.28212 | 15 03 33.57 | -17 19 49.6 | 801 | 1991 JS ₁ | 1994 04 15.24402 | 13 11 26.04 | +00 58 13.2 | | 801 |
| 1989 GF ₄ | 1994 04 11.30448 | 15 03 32.86 | -17 19 43.5 | 801 | 1991 JS ₁ | 1994 04 15.25662 | 13 11 25.28 | +00 58 18.3 | | 801 |
| 1989 GF ₄ | 1994 04 14.31520 | 15 01 51.96 | -17 04 31.1 | 801 | 1991 NT ₂ | 1994 04 09.07251 | 09 53 56.87 | -02 25 39.6 | | 801 |
| 1989 GF ₄ | 1994 04 14.33791 | 15 01 51.12 | -17 04 23.5 | 801 | 1991 NT ₂ | 1994 04 09.10896 | 09 53 56.25 | -02 25 31.5 | | 801 |
| 1989 NB ₁ | 1994 04 08.31875 | 16 13 10.09 | +03 45 45.9 | 801 | 1991 OZ | 1994 04 09.19935 | 13 20 47.79 | -15 37 31.0 | | 801 |
| 1989 NB ₁ | 1994 04 08.34590 | 16 13 09.79 | +03 45 57.0 | 801 | 1991 OZ | 1994 04 09.21714 | 13 20 46.81 | -15 37 24.2 | | 801 |
| 1989 NB ₁ | 1994 04 11.38157 | 16 12 33.94 | +04 06 11.7 | W 801 | 1991 OZ | 1994 04 11.21216 | 13 19 03.23 | -15 24 20.7 | | 801 |
| 1989 TO | 1994 04 09.08473 | 10 06 06.35 | +04 15 01.4 | 801 | 1991 OZ | 1994 04 11.22382 | 13 19 02.58 | -15 24 15.3 | | 801 |
| 1989 TO | 1994 04 09.11080 | 10 06 05.86 | +04 14 51.3 | 801 | 1991 PO ₁₀ | 1994 04 08.31006 | 15 58 34.71 | -16 18 47.1 | | 801 |
| 1989 TO | 1994 04 15.09716 | 10 05 01.58 | +03 35 29.1 | 801 | 1991 PO ₁₀ | 1994 04 08.34808 | 15 58 34.22 | -16 18 36.9 | | 801 |
| 1989 TO | 1994 04 15.12120 | 10 05 01.42 | +03 35 19.6 | 801 | 1991 PR ₁₀ | 1994 04 09.20337 | 13 37 29.16 | -07 13 44.6 | | 801 |
| 1989 US | 1994 04 09.09763 | 10 27 39.00 | +15 10 45.3 | 801 | 1991 PR ₁₀ | 1994 04 09.22112 | 13 37 28.25 | -07 13 35.0 | | 801 |
| 1989 US | 1994 04 09.14228 | 10 27 37.97 | +15 10 43.5 | 801 | 1991 PR ₁₀ | 1994 04 15.26390 | 13 32 24.41 | -06 18 46.1 | | 801 |
| 1989 US | 1994 04 15.11078 | 10 26 00.76 | +15 02 58.4 | 801 | 1991 PR ₁₀ | 1994 04 15.27648 | 13 32 23.75 | -06 18 39.4 | | 801 |
| 1989 US | 1994 04 15.15892 | 10 26 00.17 | +15 02 53.3 | 801 | 1991 PY ₁₁ | 1994 04 11.33956 | 16 53 07.48 | -20 28 07.7 | W | 801 |
| 1989 YH ₁ | 1994 04 08.11306 | 11 35 22.05 | +00 28 47.4 | 801 | 1991 PY ₁₁ | 1994 04 11.37906 | 16 53 08.36 | -20 28 01.0 | W | 801 |
| 1989 YH ₁ | 1994 04 08.13587 | 11 35 21.17 | +00 28 52.3 | 801 | 1991 PY ₁₁ | 1994 04 14.32400 | 16 54 10.40 | -20 18 17.6 | V | 801 |
| 1989 YH ₁ | 1994 04 15.14924 | 11 31 43.59 | +00 50 15.1 | 801 | 1991 PZ ₁₁ | 1994 04 09.08865 | 10 14 01.00 | -03 05 08.3 | | 801 |
| 1989 YH ₁ | 1994 04 15.17550 | 11 31 42.86 | +00 50 18.8 | 801 | 1991 PZ ₁₁ | 1994 04 09.13927 | 10 13 59.97 | -03 05 01.0 | | 801 |
| 1990 BF | 1994 04 08.15663 | 12 28 08.19 | -09 40 11.9 | 801 | 1991 PS ₁₂ | 1994 04 11.24262 | 13 48 52.43 | +06 42 25.8 | r | 801 |
| 1990 BF | 1994 04 08.16947 | 12 28 07.43 | -09 40 08.3 | 801 | 1991 PS ₁₂ | 1994 04 11.25784 | 13 48 51.71 | +06 42 33.4 | r | 801 |
| 1990 BF | 1994 04 15.19669 | 12 21 51.39 | -09 05 52.5 | 801 | 1991 PS ₁₂ | 1994 04 15.26752 | 13 45 45.06 | +07 15 02.5 | r | 801 |
| 1990 BF | 1994 04 15.22021 | 12 21 50.16 | -09 05 45.8 | 801 | 1991 PS ₁₂ | 1994 04 15.28025 | 13 45 44.43 | +07 15 08.4 | r | 801 |
| 1990 BV | 1994 02 07.38960 | 12 41 44.29 | +11 06 14.4 | r 801 | 1991 PH ₁₅ | 1994 04 09.20105 | 13 27 05.87 | -08 33 14.8 | | 801 |

| | | | | | | | | | |
|-----------------------|------------------|-------------|-------------|-------|----------------------|------------------|-------------|-------------|-------|
| 1991 PH ₁₅ | 1994 04 09.21953 | 13 27 04.79 | -08 33 08.3 | 801 | 1992 XF | 1994 04 09.10383 | 10 30 46.88 | -06 19 50.3 | 801 |
| 1991 PH ₁₅ | 1994 04 15.25897 | 13 21 22.81 | -07 56 35.6 | 801 | 1992 XF | 1994 04 09.14840 | 10 30 46.07 | -06 19 38.1 | 801 |
| 1991 PH ₁₅ | 1994 04 15.27225 | 13 21 22.03 | -07 56 30.3 | 801 | 1992 XF | 1994 04 15.11675 | 10 29 26.00 | -05 52 25.3 | 801 |
| 1991 QC | 1994 04 08.09652 | 10 49 44.32 | +02 42 10.0 | 801 | 1992 XF | 1994 04 15.14668 | 10 29 25.65 | -05 52 17.9 | 801 |
| 1991 QC | 1994 04 08.11977 | 10 49 43.60 | +02 42 16.8 | 801 | 1993 CN | 1994 04 08.31562 | 16 25 14.57 | -10 09 52.0 | 801 |
| 1991 QC | 1994 04 15.11894 | 10 46 49.56 | +03 14 00.4 | 801 | 1993 CN | 1994 04 08.36889 | 16 25 13.75 | -10 09 46.6 | 801 |
| 1991 QC | 1994 04 15.14425 | 10 46 49.04 | +03 14 06.7 | 801 | 1993 CN | 1994 04 15.32225 | 16 23 11.73 | -09 57 08.6 | 801 |
| 1991 RD ₂₄ | 1994 04 14.29422 | 14 29 14.88 | -04 08 10.7 | 801 | 1993 CN | 1994 04 15.36078 | 16 23 10.81 | -09 57 04.5 | 801 |
| 1991 RD ₂₄ | 1994 04 14.30528 | 14 29 14.31 | -04 08 06.9 | 801 | 1993 VA | 1994 04 11.34965 | 17 29 37.42 | -04 51 01.6 | W 801 |
| 1991 RD ₂₄ | 1994 04 15.28524 | 14 28 27.04 | -04 02 34.7 | 801 | 1993 VA | 1994 04 11.36870 | 17 29 36.64 | -04 50 51.7 | W 801 |
| 1991 RD ₂₄ | 1994 04 15.30031 | 14 28 26.27 | -04 02 29.3 | t 801 | 1993 VA | 1994 04 14.33459 | 17 27 21.76 | -04 24 51.5 | 801 |
| 1991 SF ₁ | 1994 04 08.27723 | 15 14 50.59 | -13 59 21.5 | 801 | 1993 VA | 1994 04 14.34863 | 17 27 21.10 | -04 24 45.5 | t 801 |
| 1991 SF ₁ | 1994 04 08.30338 | 15 14 50.08 | -13 59 07.1 | 801 | 1993 XT | 1994 04 09.01431 | 06 41 44.80 | +31 02 48.4 | 801 |
| 1991 SF ₁ | 1994 04 11.29502 | 15 13 42.35 | -13 31 12.6 | 801 | 1993 XT | 1994 04 09.03384 | 06 41 46.01 | +31 02 46.8 | 801 |
| 1991 SF ₁ | 1994 04 11.30894 | 15 13 42.00 | -13 31 02.9 | 801 | 1993 XT | 1994 04 15.03471 | 06 48 12.77 | +30 55 09.3 | 801 |
| 1991 UZ ₂ | 1994 04 08.21767 | 13 34 56.66 | -07 40 41.6 | 801 | 1993 XT | 1994 04 15.06022 | 06 48 14.46 | +30 55 07.0 | 801 |
| 1991 UZ ₂ | 1994 04 08.23148 | 13 34 56.00 | -07 40 37.7 | 801 | 1994 AE ₂ | 1994 04 09.04607 | 07 51 29.11 | +28 00 55.6 | 801 |
| 1991 UZ ₂ | 1994 04 11.22031 | 13 32 44.55 | -07 25 44.8 | 801 | 1994 AE ₂ | 1994 04 09.06472 | 07 51 30.27 | +28 00 53.9 | 801 |
| 1991 UZ ₂ | 1994 04 11.23354 | 13 32 43.92 | -07 25 40.5 | 801 | 1994 AE ₂ | 1994 04 15.06419 | 07 58 16.26 | +27 49 22.9 | 801 |
| 1992 SG | 1994 04 09.07744 | 09 55 55.54 | +18 46 18.9 | 801 | 1994 AE ₂ | 1994 04 15.07373 | 07 58 16.88 | +27 49 22.4 | 801 |
| 1992 SG | 1994 04 09.10631 | 09 55 55.25 | +18 46 06.9 | 801 | 1994 EF ₂ | 1994 04 09.06056 | 09 49 55.13 | -04 06 25.3 | 801 |
| 1992 SG | 1994 04 15.08876 | 09 55 33.52 | +18 02 11.9 | 801 | 1994 EF ₂ | 1994 04 09.06976 | 09 49 55.62 | -04 06 41.1 | 801 |
| 1992 SG | 1994 04 15.10816 | 09 55 33.52 | +18 02 02.6 | 801 | 4862 T-1 | 1994 04 08.26881 | 14 16 58.80 | -06 17 08.9 | 801 |
| 1992 SB ₁ | 1993 11 16.38307 | 07 58 00.58 | +42 02 49.7 | I 801 | 4862 T-1 | 1994 04 11.26703 | 14 14 47.01 | -05 51 00.9 | I 801 |
| 1992 SB ₁ | 1993 11 16.41808 | 07 58 00.52 | +42 03 01.4 | 801 | 3297 T-2 | 1994 04 09.15219 | 11 15 31.21 | +10 14 28.1 | 801 |
| 1992 SB ₁ | 1994 03 13.02840 | 06 47 01.72 | +40 54 48.7 | 801 | 3297 T-2 | 1994 04 15.13688 | 11 12 43.02 | +10 07 34.2 | 801 |
| 1992 SB ₁ | 1994 03 13.05348 | 06 47 02.08 | +40 54 37.5 | 801 | 3297 T-2 | 1994 04 15.17170 | 11 12 42.16 | +10 07 30.0 | 801 |
| 1992 SR ₂ | 1994 04 09.02191 | 06 34 51.57 | +36 16 48.3 | I 801 | (887) | 1994 04 08.28059 | 15 26 02.30 | -03 22 04.8 | 801 |
| 1992 SR ₂ | 1994 04 09.03765 | 06 34 52.62 | +36 16 44.4 | 801 | (887) | 1994 04 08.29815 | 15 26 01.24 | -03 21 59.0 | 801 |
| 1992 SR ₂ | 1994 04 15.02725 | 06 41 49.91 | +35 47 32.6 | 801 | (887) | 1994 04 11.29806 | 15 22 54.16 | -03 04 42.7 | 801 |
| 1992 SR ₂ | 1994 04 15.05699 | 06 41 52.01 | +35 47 24.2 | 801 | (887) | 1994 04 11.31219 | 15 22 53.20 | -03 04 37.7 | 801 |
| 1992 SW ₁₀ | 1994 04 08.10951 | 11 27 35.27 | +09 43 58.5 | 801 | (1556) | 1994 04 12.27900 | 14 06 01.05 | +08 03 55.7 | 801 |
| 1992 SW ₁₀ | 1994 04 08.12841 | 11 27 34.47 | +09 43 57.3 | 801 | (1556) | 1994 04 12.29774 | 14 06 00.27 | +08 03 59.6 | 801 |
| 1992 TH ₁ | 1994 04 08.08927 | 10 19 54.45 | +18 47 00.9 | 801 | (1556) | 1994 04 14.29240 | 14 04 37.96 | +08 10 34.9 | 801 |
| 1992 TH ₁ | 1994 04 08.13144 | 10 19 53.80 | +18 47 08.5 | 801 | (1556) | 1994 04 14.30747 | 14 04 37.32 | +08 10 37.6 | 801 |
| 1992 TH ₁ | 1994 04 15.10434 | 10 18 51.95 | +19 03 18.5 | 801 | (1575) | 1994 04 15.37531 | 15 45 33.54 | -07 44 17.0 | 801 |
| 1992 TH ₁ | 1994 04 15.16216 | 10 18 51.69 | +19 03 23.5 | 801 | (1575) | 1994 04 15.37874 | 15 45 33.45 | -07 44 12.7 | 801 |
| 1992 UQ ₄ | 1994 04 09.19247 | 13 26 46.84 | +02 46 58.4 | 801 | (1620) | 1994 04 09.01743 | 06 39 27.55 | +22 16 08.9 | I 801 |
| 1992 UQ ₄ | 1994 04 09.21169 | 13 26 45.72 | +02 47 05.5 | 801 | (1620) | 1994 04 09.03064 | 06 39 28.87 | +22 15 54.7 | 801 |
| 1992 UQ ₄ | 1994 04 11.21649 | 13 24 54.29 | +02 59 33.2 | 801 | (1620) | 1994 04 15.03850 | 06 50 29.64 | +20 21 42.7 | 801 |
| 1992 UQ ₄ | 1994 04 11.22598 | 13 24 53.71 | +02 59 37.5 | 801 | (1620) | 1994 04 15.05240 | 06 50 31.28 | +20 21 25.3 | 801 |
| 1992 UT ₄ | 1994 04 09.16505 | 12 32 53.57 | +04 40 38.1 | 801 | (1864) | 1994 04 08.15451 | 12 17 15.98 | -09 49 49.0 | 801 |
| 1992 UT ₄ | 1994 04 09.17963 | 12 32 52.70 | +04 40 40.0 | 801 | (1864) | 1994 04 08.16536 | 12 17 13.78 | -09 49 49.7 | 801 |
| 1992 UT ₄ | 1994 04 11.18116 | 12 30 56.88 | +04 44 29.5 | 801 | (1864) | 1994 04 11.17148 | 12 07 08.38 | -09 52 10.3 | 801 |
| 1992 UT ₄ | 1994 04 11.19279 | 12 30 56.23 | +04 44 30.0 | 801 | (1864) | 1994 04 11.17550 | 12 07 07.52 | -09 52 10.5 | G 801 |
| 1992 WT | 1994 04 09.16338 | 12 14 39.61 | +08 35 36.1 | 801 | (1963) | 1994 04 12.28088 | 14 01 58.48 | +32 03 12.9 | 801 |
| 1992 WT | 1994 04 09.17745 | 12 14 38.75 | +08 35 37.6 | 801 | (1963) | 1994 04 12.29523 | 14 01 57.53 | +32 03 15.3 | 801 |
| 1992 WT | 1994 04 15.19516 | 12 09 10.37 | +08 42 48.2 | 801 | (1963) | 1994 04 14.26792 | 13 59 52.05 | +32 07 41.5 | 801 |
| 1992 WT | 1994 04 15.21752 | 12 09 09.17 | +08 42 48.9 | 801 | (1963) | 1994 04 14.27663 | 13 59 51.47 | +32 07 42.3 | 801 |
| 1992 WR ₃ | 1994 04 08.24146 | 13 59 29.29 | +10 36 10.7 | 801 | (2604) | 1994 04 12.26950 | 15 50 24.90 | +08 34 46.9 | 801 |
| 1992 WR ₃ | 1994 04 08.25815 | 13 59 28.43 | +10 36 14.2 | 801 | (2604) | 1994 04 12.28998 | 15 50 24.70 | +08 34 58.6 | 801 |
| 1992 WR ₃ | 1994 04 11.25331 | 13 56 50.48 | +10 47 40.3 | 801 | (2604) | 1994 04 15.30738 | 15 49 53.66 | +09 02 41.6 | 801 |

| | | | | | | | | | | |
|-----------------------|------------------|-------------|-------------|------|-----------------------|------------------|-------------|-------------|------|-------|
| (2604) | 1994 04 15.33097 | 15 49 53.27 | +09 02 54.2 | 801 | 1979 TA | 1993 03 21.21493 | 12 35 29.44 | -07 18 38.4 | 17.9 | 7 809 |
| (2660) | 1994 02 14.14812 | 07 33 21.08 | +04 23 35.4 | 801 | 1979 TA | 1993 03 22.20660 | 12 34 36.63 | -07 13 37.4 | 17.5 | 7 809 |
| (2965) | 1994 04 12.33053 | 18 17 56.52 | +07 07 43.0 | 801 | 1979 TA | 1993 03 26.11354 | 12 31 05.20 | -06 53 09.6 | 18.1 | 7 809 |
| (2965) | 1994 04 12.33963 | 18 17 56.92 | +07 07 46.4 | 801 | 1980 DX | 1993 03 17.10660 | 12 24 55.11 | +04 34 10.6 | 15.9 | 7 809 |
| (2965) | 1994 04 15.34928 | 18 20 09.49 | +07 26 16.9 | 801 | 1980 DX | 1993 03 18.13507 | 12 24 08.12 | +04 43 22.1 | 16.0 | 7 809 |
| (2965) | 1994 04 15.37029 | 18 20 10.31 | +07 26 24.6 | 801 | 1980 TT ₃ | 1993 03 19.15104 | 12 16 24.59 | -01 56 57.0 | 17.5 | 7 809 |
| (3352) | 1994 02 07.40767 | 14 15 33.45 | -04 19 16.7 | 801 | 1980 TT ₃ | 1993 03 20.15382 | 12 15 23.39 | -01 53 20.3 | 17.0 | 7 809 |
| (3352) | 1994 02 07.42866 | 14 15 35.74 | -04 19 19.2 | 801 | 1981 EE ₃₅ | 1993 03 19.32187 | 13 11 39.36 | -02 27 47.5 | 19.8 | 7 809 |
| (3352) | 1994 04 11.27071 | 14 20 40.86 | -00 05 06.7 | 801 | 1981 EE ₃₅ | 1993 03 20.31424 | 13 10 56.89 | -02 20 29.3 | 19.2 | 7 809 |
| (3352) | 1994 04 11.28448 | 14 20 39.72 | -00 05 02.4 | 801 | 1981 EE ₃₅ | 1993 03 24.28090 | 13 07 58.53 | -01 50 39.9 | 17.9 | 7 809 |
| (3352) | 1994 04 12.27598 | 14 19 19.01 | -00 00 54.5 | 801 | 1981 ER ₄₇ | 1993 03 19.15104 | 12 25 37.17 | -00 33 55.5 | 18.4 | 7 809 |
| (3352) | 1994 04 12.28763 | 14 19 18.01 | -00 00 52.2 | 801 | 1981 ER ₄₇ | 1993 03 20.15382 | 12 24 44.29 | -00 28 45.2 | 17.9 | 7 809 |
| | | | | | 1981 ER ₄₇ | 1993 03 23.12188 | 12 22 06.23 | -00 13 22.3 | 17.9 | 7 809 |
| | | | | | 1981 UO ₁₁ | 1993 03 17.10660 | 12 19 58.39 | +04 30 33.6 | 16.7 | 7 809 |
| | | | | | 1981 UO ₁₁ | 1993 03 18.13507 | 12 18 59.28 | +04 38 03.5 | 16.9 | 7 809 |
| | | | | | 1982 BP ₂ | 1993 03 21.30174 | 13 00 53.03 | -10 11 32.8 | 16.9 | 7 809 |
| | | | | | 1982 BP ₂ | 1993 03 22.29549 | 13 00 01.64 | -10 06 06.7 | 17.9 | 7 809 |
| | | | | | 1982 BP ₂ | 1993 03 26.32604 | 12 56 24.73 | -09 42 42.5 | 16.2 | 7 809 |
| | | | | | 1982 BP ₂ | 1993 03 27.25452 | 12 55 33.62 | -09 37 02.9 | 17.9 | 7 809 |
| | | | | | 1984 SR | 1993 03 21.21493 | 12 41 58.15 | -10 04 13.3 | 17.9 | 7 809 |
| | | | | | 1984 SR | 1993 03 26.20174 | 12 35 32.83 | -10 03 43.9 | 17.3 | 7 809 |
| | | | | | 1984 SQ ₃ | 1993 03 19.32187 | 13 00 25.69 | -04 23 37.5 | 14.8 | 7 809 |
| | | | | | 1984 SQ ₃ | 1993 03 20.31424 | 12 59 30.90 | -04 19 48.3 | 15.9 | 7 809 |
| | | | | | 1984 SQ ₃ | 1993 03 24.28090 | 12 55 41.67 | -04 03 50.3 | 16.2 | 7 809 |
| | | | | | 1984 TD | 1993 03 21.21493 | 12 51 10.64 | -05 36 15.5 | 17.9 | 7 809 |
| | | | | | 1984 TD | 1993 03 22.20660 | 12 50 30.89 | -05 32 04.9 | 18.3 | 7 809 |
| | | | | | 1984 TD | 1993 03 24.19965 | 12 49 09.91 | -05 23 33.2 | 17.6 | 7 809 |
| | | | | | 1984 UC ₁ | 1993 03 21.21493 | 12 46 17.40 | -09 28 24.1 | 16.2 | 7 809 |
| | | | | | 1984 UC ₁ | 1993 03 22.20660 | 12 45 24.20 | -09 22 40.6 | 16.6 | 7 809 |
| | | | | | 1984 UC ₁ | 1993 03 26.20174 | 12 41 44.31 | -08 58 21.9 | 16.4 | 7 809 |
| | | | | | 1986 CD ₂ | 1993 03 21.30174 | 13 00 51.27 | -07 39 38.9 | 17.7 | 7 809 |
| | | | | | 1986 CD ₂ | 1993 03 26.32604 | 12 55 42.74 | -07 27 07.2 | 17.0 | 7 809 |
| | | | | | 1986 CD ₂ | 1993 03 27.25452 | 12 54 44.17 | -07 24 32.9 | 17.0 | 7 809 |
| | | | | | 1986 UV | 1993 03 21.21493 | 12 35 13.90 | -06 34 53.7 | 17.0 | 7 809 |
| | | | | | 1986 UV | 1993 03 22.20660 | 12 34 23.85 | -06 31 11.9 | 16.6 | 7 809 |
| | | | | | 1986 UV | 1993 03 26.11354 | 12 31 03.47 | -06 16 02.8 | 16.4 | 7 809 |
| | | | | | 1986 WO ₉ | 1993 03 21.30174 | 13 12 22.34 | -07 49 39.0 | 17.7 | 7 809 |
| | | | | | 1986 WO ₉ | 1993 03 22.29549 | 13 11 41.08 | -07 44 16.5 | 17.0 | 7 809 |
| | | | | | 1986 WO ₉ | 1993 03 26.32604 | 13 08 45.89 | -07 21 36.0 | 17.0 | 7 809 |
| | | | | | 1986 WO ₉ | 1993 03 27.25452 | 13 08 04.27 | -07 16 12.7 | 17.0 | 7 809 |
| | | | | | 1987 RV ₃ | 1993 03 22.29549 | 13 14 22.74 | -10 40 10.9 | 18.7 | 7 809 |
| | | | | | 1987 RV ₃ | 1993 03 26.32604 | 13 10 58.61 | -10 16 01.7 | 17.9 | 7 809 |
| | | | | | 1987 RV ₃ | 1993 03 27.25452 | 13 10 09.75 | -10 10 09.2 | 18.7 | 7 809 |
| | | | | | 1987 SL ₁ | 1993 03 19.21875 | 12 43 29.92 | -05 15 13.9 | 17.0 | 7 809 |
| | | | | | 1987 SL ₁ | 1993 03 20.23368 | 12 42 35.03 | -05 10 26.1 | 17.3 | 7 809 |
| | | | | | 1987 SL ₁ | 1993 03 24.19965 | 12 38 55.92 | -04 51 02.5 | 16.8 | 7 809 |
| | | | | | 1987 SN ₃ | 1993 03 21.21493 | 12 37 25.13 | -06 57 54.5 | 17.9 | 7 809 |
| | | | | | 1987 SN ₃ | 1993 03 22.20660 | 12 36 33.30 | -06 50 08.4 | 17.5 | 7 809 |
| | | | | | 1987 SN ₃ | 1993 03 26.11354 | 12 33 04.61 | -06 18 41.7 | 18.1 | 7 809 |
| | | | | | 1988 BP ₃ | 1993 03 17.10660 | 12 24 26.58 | +01 57 34.4 | 16.7 | 7 809 |
| | | | | | 1988 BP ₃ | 1993 03 18.13507 | 12 23 40.07 | +02 05 47.9 | 16.9 | 7 809 |
| | | | | | 1988 BP ₃ | 1993 03 23.12188 | 12 19 48.66 | +02 45 45.1 | 16.2 | 7 809 |
| 1929 PB | 1993 03 19.15104 | 12 32 05.53 | -00 40 57.5 | 18.4 | 7 809 | | | | | |
| 1929 PB | 1993 03 20.15382 | 12 31 12.88 | -00 33 55.6 | 17.9 | 7 809 | | | | | |
| 1929 PB | 1993 03 23.12188 | 12 28 34.42 | -00 12 54.8 | 17.9 | 7 809 | | | | | |
| 1968 QE | 1993 03 21.30174 | 12 58 26.13 | -08 47 48.3 | 17.7 | 7 809 | | | | | |
| 1968 QE | 1993 03 22.29549 | 12 57 35.20 | -08 42 45.0 | 17.9 | 7 809 | | | | | |
| 1968 QE | 1993 03 26.20174 | 12 54 09.07 | -08 22 09.6 | 17.3 | 7 809 | | | | | |
| 1968 QE | 1993 03 26.32604 | 12 54 02.14 | -08 21 28.4 | 17.9 | 7 809 | | | | | |
| 1973 UC | 1993 03 18.21840 | 12 35 53.77 | -00 07 01.3 | 17.9 | 7 809 | | | | | |
| 1973 UC | 1993 03 23.12188 | 12 31 48.34 | +00 12 42.7 | 17.9 | 7 809 | | | | | |
| 1976 GK ₃ | 1993 03 21.30174 | 13 09 47.36 | -08 38 17.3 | 16.9 | 7 809 | | | | | |
| 1976 GK ₃ | 1993 03 22.29549 | 13 09 10.92 | -08 29 46.8 | 16.2 | 7 809 | | | | | |
| 1976 GK ₃ | 1993 03 26.32604 | 13 06 37.37 | -07 54 26.0 | 17.0 | 7 809 | | | | | |
| 1976 GK ₃ | 1993 03 27.25452 | 13 06 01.13 | -07 46 08.4 | 17.0 | 7 809 | | | | | |
| 1976 GO ₃ | 1993 03 19.21875 | 12 49 36.99 | -01 29 42.5 | 17.0 | 7 809 | | | | | |
| 1976 GO ₃ | 1993 03 20.23368 | 12 48 50.84 | -01 23 59.0 | 16.4 | 7 809 | | | | | |
| 1976 GO ₃ | 1993 03 24.19965 | 12 45 43.54 | -01 01 15.8 | 16.8 | 7 809 | | | | | |
| 1976 SJ | 1993 03 19.21875 | 12 35 23.39 | -02 56 36.6 | 17.9 | 7 809 | | | | | |
| 1976 SJ | 1993 03 20.23368 | 12 34 30.28 | -02 50 09.1 | 17.3 | 7 809 | | | | | |
| 1976 SJ | 1993 03 24.11771 | 12 31 02.90 | -02 25 02.2 | 17.0 | 7 809 | | | | | |
| 1976 UG ₁₅ | 1993 03 17.10660 | 12 25 43.16 | +00 31 22.9 | 18.4 | 7 809 | | | | | |
| 1976 UG ₁₅ | 1993 03 18.13507 | 12 24 49.35 | +00 38 02.5 | 17.7 | 7 809 | | | | | |
| 1976 UG ₁₅ | 1993 03 23.12188 | 12 20 22.91 | +01 10 34.5 | 17.9 | 7 809 | | | | | |
| 1977 QF ₁ | 1993 03 21.12743 | 12 25 06.74 | -06 30 47.0 | 17.0 | 7 809 | | | | | |
| 1977 QF ₁ | 1993 03 22.12465 | 12 24 10.68 | -06 28 41.1 | 16.2 | 7 809 | | | | | |
| 1977 QF ₁ | 1993 03 26.11354 | 12 20 22.92 | -06 19 41.2 | 15.5 | 7 809 | | | | | |
| 1978 EU ₉ | 1993 03 19.21875 | 12 34 38.81 | -01 50 50.1 | 16.2 | 7 809 | | | | | |
| 1978 EU ₉ | 1993 03 20.23368 | 12 33 53.94 | -01 45 06.9 | 16.4 | 7 809 | | | | | |
| 1978 EU ₉ | 1993 03 24.11771 | 12 30 57.89 | -01 22 57.4 | 16.2 | 7 809 | | | | | |
| 1978 SS ₅ | 1993 03 19.21875 | 12 39 08.26 | -04 43 56.0 | 17.9 | 7 809 | | | | | |
| 1978 SS ₅ | 1993 03 20.23368 | 12 38 19.67 | -04 38 00.5 | 17.3 | 7 809 | | | | | |
| 1978 SS ₅ | 1993 03 24.19965 | 12 35 05.44 | -04 14 12.9 | 17.6 | 7 809 | | | | | |
| 1979 MM ₅ | 1993 03 19.15104 | 12 14 15.14 | -03 58 25.0 | 18.4 | 7 809 | | | | | |
| 1979 MM ₅ | 1993 03 20.15382 | 12 13 21.14 | -03 52 30.2 | 17.9 | 7 809 | | | | | |

809 European Southern Observatory

E. W. Elst, Observatoire Royal de Belgique, Avenue Circulaire 3, B-1180 Brussels, Belgium (4)

C.-I. Lagerkvist, Uppsala Observatory, Box 515, S-751 20 Uppsala, Sweden (7)

Observers E. W. Elst, G. Pizarro, O. Pizarro, M. Lindgren

Measurers E. W. Elst, O. Hernius

1.0-m Schmidt

| | | | | | | | | | | | |
|----------------------|------------------|-------------|-------------|------|-------|-----------------------|------------------|-------------|-------------|------|-------|
| 1988 CJ | 1993 03 21.12743 | 12 17 04.07 | -07 14 30.7 | 17.0 | 7 809 | 1990 QP ₁ | 1993 03 22.29549 | 13 00 10.48 | -09 27 41.0 | 17.0 | 7 809 |
| 1988 CJ | 1993 03 22.12465 | 12 16 15.18 | -07 09 24.9 | 17.0 | 7 809 | 1990 QP ₁ | 1993 03 26.32604 | 12 56 37.84 | -09 11 07.8 | 17.0 | 7 809 |
| 1988 CJ | 1993 03 26.11354 | 12 12 57.79 | -06 48 10.7 | 16.4 | 7 809 | 1990 QP ₁ | 1993 03 27.25452 | 12 55 47.21 | -09 07 03.1 | 17.0 | 7 809 |
| 1988 CF ₅ | 1993 03 19.15104 | 12 15 35.24 | -03 07 09.9 | 17.5 | 7 809 | 1990 QP ₂ | 1993 03 21.30174 | 13 10 29.39 | -08 03 20.5 | 16.9 | 7 809 |
| 1988 CF ₅ | 1993 03 20.15382 | 12 14 49.56 | -03 00 29.1 | 17.0 | 7 809 | 1990 QP ₂ | 1993 03 22.29549 | 13 09 46.07 | -07 59 33.1 | 17.0 | 7 809 |
| 1988 VH ₅ | 1993 03 19.15104 | 12 22 07.02 | -00 37 11.9 | 15.9 | 7 809 | 1990 QP ₂ | 1993 03 26.32604 | 13 06 43.18 | -07 43 25.0 | 17.0 | 7 809 |
| 1988 VH ₅ | 1993 03 20.15382 | 12 21 09.21 | -00 31 14.9 | 16.2 | 7 809 | 1990 QP ₂ | 1993 03 27.25452 | 13 05 59.93 | -07 39 32.9 | 17.0 | 7 809 |
| 1988 VH ₅ | 1993 03 23.12188 | 12 18 16.06 | -00 13 32.8 | 16.2 | 7 809 | 1990 QY ₃ | 1993 03 21.12743 | 12 29 20.96 | -05 38 12.0 | 16.1 | 7 809 |
| 1988 XT | 1993 03 22.29549 | 13 15 11.34 | -09 23 30.9 | 17.0 | 7 809 | 1990 QY ₃ | 1993 03 22.12465 | 12 28 25.87 | -05 33 57.0 | 16.2 | 7 809 |
| 1988 XT | 1993 03 26.32604 | 13 11 43.82 | -09 02 20.9 | 17.0 | 7 809 | 1990 QY ₃ | 1993 03 24.11771 | 12 26 33.85 | -05 25 07.2 | 16.2 | 7 809 |
| 1988 XT | 1993 03 27.25452 | 13 10 54.05 | -08 57 10.8 | 17.0 | 7 809 | 1990 QN ₄ | 1993 03 19.15104 | 12 27 22.64 | -01 59 37.3 | 17.5 | 7 809 |
| 1988 XD ₁ | 1993 03 24.28090 | 13 12 05.28 | -02 19 57.4 | 17.0 | 7 809 | 1990 QN ₄ | 1993 03 20.15382 | 12 26 41.18 | -01 54 35.1 | 17.0 | 7 809 |
| 1989 BS ₁ | 1993 03 19.15104 | 12 23 56.12 | -04 47 11.7 | 17.5 | 7 809 | 1990 QN ₄ | 1993 03 24.11771 | 12 23 55.71 | -01 34 30.8 | 17.0 | 7 809 |
| 1989 BS ₁ | 1993 03 20.15382 | 12 22 58.26 | -04 42 06.6 | 17.0 | 7 809 | 1990 RC ₃ | 1993 03 21.21493 | 12 52 15.22 | -07 48 41.9 | 17.0 | 7 809 |
| 1989 BS ₁ | 1993 03 24.11771 | 12 19 07.22 | -04 21 29.1 | 16.2 | 7 809 | 1990 RC ₃ | 1993 03 22.20660 | 12 51 27.18 | -07 42 57.7 | 16.6 | 7 809 |
| 1989 BV ₁ | 1993 03 19.15104 | 12 26 17.52 | -04 36 01.0 | 16.7 | 7 809 | 1990 RC ₃ | 1993 03 26.20174 | 12 48 05.56 | -07 18 36.1 | 16.4 | 7 809 |
| 1989 BV ₁ | 1993 03 20.15382 | 12 25 23.59 | -04 31 39.0 | 16.2 | 7 809 | 1990 RE ₇ | 1993 03 20.15382 | 12 18 08.90 | -03 22 35.5 | 17.0 | 7 809 |
| 1989 BV ₁ | 1993 03 24.11771 | 12 21 46.48 | -04 13 42.1 | 16.2 | 7 809 | 1990 RE ₇ | 1993 03 24.11771 | 12 14 44.39 | -03 12 46.5 | 17.0 | 7 809 |
| 1989 CS ₂ | 1993 03 22.29549 | 13 14 34.76 | -09 12 39.7 | 17.9 | 7 809 | 1990 SP ₇ | 1993 03 19.32187 | 12 56 09.47 | -01 26 08.3 | 15.6 | 7 809 |
| 1989 CS ₂ | 1993 03 26.32604 | 13 11 36.91 | -08 40 04.3 | 17.0 | 7 809 | 1990 SP ₇ | 1993 03 20.31424 | 12 55 25.06 | -01 21 47.2 | 15.9 | 7 809 |
| 1989 CS ₂ | 1993 03 27.25452 | 13 10 53.89 | -08 32 14.4 | 17.9 | 7 809 | 1990 SP ₇ | 1993 03 24.19965 | 12 52 23.77 | -01 04 26.3 | 16.8 | 7 809 |
| 1989 CH ₄ | 1993 03 21.21493 | 12 38 24.83 | -06 46 16.7 | 15.3 | 7 809 | 1990 SM ₉ | 1993 03 19.32187 | 13 08 47.72 | -02 22 02.0 | 16.4 | 7 809 |
| 1989 CH ₄ | 1993 03 22.20660 | 12 37 33.94 | -06 42 29.8 | 15.8 | 7 809 | 1990 SM ₉ | 1993 03 20.31424 | 13 08 06.91 | -02 17 05.7 | 16.7 | 7 809 |
| 1989 CH ₄ | 1993 03 26.20174 | 12 34 02.72 | -06 26 14.1 | 15.6 | 7 809 | 1990 SM ₉ | 1993 03 24.28090 | 13 05 17.34 | -01 57 02.8 | 17.0 | 7 809 |
| 1989 GB ₃ | 1993 03 19.21875 | 12 45 52.71 | -05 05 10.2 | 16.2 | 7 809 | 1990 SV ₁₅ | 1993 03 21.21493 | 12 47 03.53 | -08 17 13.6 | 17.0 | 7 809 |
| 1989 GB ₃ | 1993 03 20.23368 | 12 44 59.53 | -05 02 42.5 | 16.4 | 7 809 | 1990 SV ₁₅ | 1993 03 22.20660 | 12 46 17.80 | -08 11 48.6 | 16.6 | 7 809 |
| 1989 GB ₃ | 1993 03 24.19965 | 12 41 23.11 | -04 52 16.8 | 16.8 | 7 809 | 1990 SV ₁₅ | 1993 03 26.20174 | 12 43 09.02 | -07 49 07.1 | 16.4 | 7 809 |
| 1989 GD ₅ | 1993 03 17.27465 | 13 14 26.53 | +02 58 20.0 | 16.2 | 7 809 | 1990 SO ₂₈ | 1993 03 19.21875 | 12 47 52.36 | -01 23 30.7 | 17.0 | 7 809 |
| 1989 GD ₅ | 1993 03 18.30104 | 13 13 34.55 | +03 00 31.0 | 16.1 | 7 809 | 1990 SO ₂₈ | 1993 03 20.23368 | 12 47 01.67 | -01 20 33.7 | 17.3 | 7 809 |
| 1989 GD ₅ | 1993 03 23.28576 | 13 09 06.14 | +03 10 57.6 | 16.2 | 7 809 | 1990 SO ₂₈ | 1993 03 24.19965 | 12 43 38.59 | -01 08 50.3 | 17.6 | 7 809 |
| 1989 RS | 1993 03 19.21875 | 12 53 58.11 | -04 35 22.3 | 17.0 | 7 809 | 1990 VS ₆ | 1993 03 19.32187 | 13 14 28.78 | -04 12 56.6 | 16.4 | 7 809 |
| 1989 RS | 1993 03 19.32187 | 12 53 54.74 | -04 34 41.2 | 16.4 | 7 809 | 1990 VS ₆ | 1993 03 20.31424 | 13 13 49.60 | -04 09 11.7 | 16.7 | 7 809 |
| 1989 RS | 1993 03 20.23368 | 12 53 23.00 | -04 28 44.2 | 16.4 | 7 809 | 1990 VS ₆ | 1993 03 24.28090 | 13 11 05.80 | -03 53 39.8 | 17.0 | 7 809 |
| 1989 RS | 1993 03 24.19965 | 12 51 01.30 | -04 02 21.7 | 16.8 | 7 809 | 1991 AC ₃ | 1993 10 21.18611 | 01 54 36.40 | +04 44 31.8 | 18.3 | 4 809 |
| 1989 SO ₈ | 1993 03 17.10660 | 12 28 39.08 | +00 36 01.4 | 16.7 | 7 809 | 1991 AC ₃ | 1993 10 21.19931 | 01 54 35.69 | +04 44 26.8 | | 4 809 |
| 1989 SO ₈ | 1993 03 18.13507 | 12 27 55.02 | +00 40 46.1 | 16.0 | 7 809 | 1991 AC ₃ | 1993 10 21.21250 | 01 54 34.88 | +04 44 22.6 | | 4 809 |
| 1989 SO ₈ | 1993 03 23.12188 | 12 24 15.24 | +01 04 01.3 | 16.2 | 7 809 | 1991 JB ₁ | 1993 10 21.18611 | 01 44 47.71 | +04 45 34.0 | 18.3 | 4 809 |
| 1990 OB | 1993 03 21.21493 | 12 52 36.95 | -09 06 57.0 | 17.0 | 7 809 | 1991 JB ₁ | 1993 10 21.19931 | 01 44 47.07 | +04 45 30.7 | | 4 809 |
| 1990 OB | 1993 03 22.20660 | 12 51 55.79 | -08 59 37.9 | 17.5 | 7 809 | 1991 JB ₁ | 1993 10 21.21250 | 01 44 46.44 | +04 45 27.8 | | 4 809 |
| 1990 OB | 1993 03 26.20174 | 12 49 06.35 | -08 29 27.0 | 17.3 | 7 809 | 1991 RC ₄ | 1993 03 21.21493 | 12 39 40.40 | -07 49 31.9 | 17.0 | 7 809 |
| 1990 OS ₁ | 1993 03 21.21493 | 12 52 28.31 | -07 06 38.8 | 16.2 | 7 809 | 1991 RC ₄ | 1993 03 22.20660 | 12 38 45.41 | -07 42 55.3 | 17.5 | 7 809 |
| 1990 OS ₁ | 1993 03 22.20660 | 12 51 28.74 | -07 08 40.8 | 15.8 | 7 809 | 1991 RC ₄ | 1993 03 26.20174 | 12 34 59.45 | -07 15 17.3 | 16.4 | 7 809 |
| 1990 OS ₁ | 1993 03 26.20174 | 12 47 17.23 | -07 15 59.1 | 15.6 | 7 809 | 1991 TE ₂ | 1993 03 17.19062 | 12 50 07.71 | +00 06 07.8 | 16.9 | 7 809 |
| 1990 OK ₂ | 1993 03 17.10660 | 12 30 37.01 | +04 08 12.9 | 16.7 | 7 809 | 1991 TE ₂ | 1993 03 18.21840 | 12 49 13.22 | +00 12 42.2 | 17.0 | 7 809 |
| 1990 OK ₂ | 1993 03 18.13507 | 12 29 49.21 | +04 13 36.4 | 16.9 | 7 809 | 1991 TE ₂ | 1993 03 23.20451 | 12 44 38.52 | +00 44 49.7 | 17.0 | 7 809 |
| 1990 OK ₂ | 1993 03 23.12188 | 12 25 52.59 | +04 39 18.4 | 17.0 | 7 809 | 1991 TO ₁₃ | 1993 03 21.12743 | 12 13 00.49 | -08 51 09.2 | 17.0 | 7 809 |
| 1990 QG | 1993 03 21.12743 | 12 26 37.59 | -08 06 41.3 | 18.6 | 7 809 | 1991 TO ₁₃ | 1993 03 22.12465 | 12 12 05.59 | -08 43 21.3 | 17.0 | 7 809 |
| 1990 QG | 1993 03 22.12465 | 12 25 54.40 | -08 02 58.7 | 19.6 | 7 809 | 1991 UM | 1993 03 19.21875 | 12 52 45.16 | -05 27 59.1 | 17.9 | 7 809 |
| 1990 QM | 1993 03 19.21875 | 12 33 47.62 | -01 32 51.3 | 16.2 | 7 809 | 1991 UM | 1993 03 20.23368 | 12 51 48.42 | -05 22 59.1 | 17.3 | 7 809 |
| 1990 QM | 1993 03 20.15382 | 12 32 59.91 | -01 26 17.8 | 16.2 | 7 809 | 1991 UM | 1993 03 24.19965 | 12 47 59.04 | -05 02 34.8 | 17.6 | 7 809 |
| 1990 QM | 1993 03 24.11771 | 12 29 31.65 | -00 58 04.8 | 17.0 | 7 809 | 1991 UC ₂ | 1993 03 21.30174 | 12 58 44.79 | -08 10 32.1 | 18.6 | 7 809 |
| 1990 QP ₁ | 1993 03 21.30174 | 13 01 00.40 | -09 31 25.8 | 17.7 | 7 809 | 1991 UC ₂ | 1993 03 22.29549 | 12 57 53.96 | -08 05 06.8 | 18.7 | 7 809 |

| | | | | | | | | | | | |
|----------------------|------------------|-------------|-------------|------|-------|----------------------|--------------------|-------------|-------------|------|-------|
| 1991 UK ₂ | 1993 03 21.30174 | 13 14 15.45 | -10 09 13.0 | 16.9 | 7 809 | 1993 FG ₁ | 1993 03 24.11771 | 12 23 50.99 | -01 30 02.9 | 16.2 | 7 809 |
| 1991 UK ₂ | 1993 03 22.29549 | 13 13 28.76 | -10 02 13.4 | 17.9 | 7 809 | 1993 FP ₂ | 1993 03 19.15104 | 12 31 50.16 | -05 13 38.1 | 16.7 | 7 809 |
| 1991 UK ₂ | 1993 03 26.32604 | 13 10 09.48 | -09 32 28.9 | 17.0 | 7 809 | 1993 FP ₂ | 1993 03 20.15382 | 12 30 51.02 | -05 08 58.1 | 17.0 | 7 809 |
| 1991 UK ₂ | 1993 03 27.25452 | 13 09 22.05 | -09 25 21.8 | 17.0 | 7 809 | 1993 FP ₂ | 1993 03 24.11771 | 12 26 52.92 | -04 49 48.7 | 17.0 | 7 809 |
| 1991 UB ₃ | 1993 03 24.28090 | 13 12 18.69 | -01 26 10.5 | 17.9 | 7 809 | 1993 FS ₂ | 1993 03 19.21875 | 12 40 30.65 | -03 35 00.7 | 16.2 | 7 809 |
| 1991 UW ₃ | 1993 03 21.12743 | 12 18 57.52 | -08 40 06.7 | 17.8 | 7 809 | 1993 FS ₂ | 1993 03 20.23368 | 12 39 52.20 | -03 26 24.4 | 16.4 | 7 809 |
| 1991 UW ₃ | 1993 03 22.12465 | 12 17 57.26 | -08 35 04.4 | 17.9 | 7 809 | 1993 FS ₂ | 1993 03 24.19965 | 12 37 17.70 | -02 52 17.9 | 16.8 | 7 809 |
| 1991 UW ₃ | 1993 03 26.11354 | 12 13 53.90 | -08 13 57.3 | 17.2 | 7 809 | 1993 FT ₂ | 1993 03 21.21493 | 12 38 39.85 | -06 24 50.6 | 17.0 | 7 809 |
| 1991 VK ₄ | 1993 03 21.21493 | 12 42 40.56 | -09 53 30.2 | 17.0 | 7 809 | 1993 FT ₂ | 1993 03 22.20660 | 12 37 11.92 | -06 28 47.5 | 16.6 | 7 809 |
| 1991 VK ₄ | 1993 03 22.20660 | 12 41 45.30 | -09 48 50.7 | 16.6 | 7 809 | 1993 FT ₂ | 1993 03 26.11354 | 12 31 23.76 | -06 43 21.5 | 16.4 | 7 809 |
| 1991 VK ₄ | 1993 03 26.20174 | 12 37 57.82 | -09 28 57.5 | 16.4 | 7 809 | 1993 FW ₂ | 1993 03 17.19062 | 12 40 20.16 | -00 09 09.4 | 18.6 | 7 809 |
| 1991 WC | 1993 03 17.10660 | 12 13 25.48 | +04 36 55.9 | 16.7 | 7 809 | 1993 FW ₂ | 1993 03 18.21840 | 12 39 34.99 | -00 06 00.6 | 18.7 | 7 809 |
| 1991 WC | 1993 03 18.13507 | 12 12 29.23 | +04 43 12.9 | 16.9 | 7 809 | 1993 FW ₂ | 1993 03 23.20451 | 12 35 48.63 | +00 09 27.7 | 17.8 | 7 809 |
| 1992 CQ ₂ | 1993 03 17.19062 | 12 44 25.55 | +02 37 10.1 | 16.0 | 7 809 | 1993 FX ₂ | 1993 03 19.21875 | 12 46 15.92 | -00 12 43.8 | 17.0 | 7 809 |
| 1992 CQ ₂ | 1993 03 18.21840 | 12 43 46.04 | +02 44 29.6 | 16.2 | 7 809 | 1993 FX ₂ | 1993 03 23.20451 | 12 43 20.01 | +00 08 30.2 | 17.0 | 7 809 |
| 1992 CQ ₂ | 1993 03 23.20451 | 12 40 27.31 | +03 19 57.6 | 16.1 | 7 809 | 1993 FR ₃ | 1993 03 21.21493 | 12 53 18.73 | -09 12 03.8 | 16.2 | 7 809 |
| 1993 EJ | 1993 03 17.19062 | 12 50 00.92 | +04 20 38.9 | 16.9 | 7 809 | 1993 FR ₃ | 1993 03 22.20660 | 12 52 32.30 | -09 05 06.7 | 17.5 | 7 809 |
| 1993 EJ | 1993 03 18.21840 | 12 49 07.05 | +04 24 44.6 | 17.0 | 7 809 | 1993 FR ₃ | 1993 03 26.20174 | 12 49 17.36 | -08 35 38.7 | 17.3 | 7 809 |
| 1993 EJ | 1993 03 23.20451 | 12 44 31.97 | +04 44 08.9 | 17.0 | 7 809 | 1993 FT ₃ | 1993 03 17.27465 | 13 05 05.80 | +02 15 15.3 | 17.0 | 7 809 |
| 1993 EQ | 1993 03 17.10660 | 12 23 15.70 | +00 50 13.6 | 15.9 | 7 809 | 1993 FT ₃ | 1993 03 18.30104 | 13 04 20.93 | +02 22 20.7 | 17.0 | 7 809 |
| 1993 EQ | 1993 03 18.13507 | 12 22 11.52 | +00 52 46.3 | 16.0 | 7 809 | 1993 FT ₃ | 1993 03 23.28576 | 13 00 25.27 | +02 57 07.8 | 17.0 | 7 809 |
| 1993 ER | 1993 03 19.15104 | 12 18 44.23 | -00 44 28.2 | 15.9 | 7 809 | 1993 FW ₃ | 1993 03 18.21840 | 12 55 31.25 | -07 52 24.3 | 17.7 | 7 809 |
| 1993 ER | 1993 03 20.15382 | 12 17 47.54 | -00 38 38.9 | 16.2 | 7 809 | 1993 FW ₃ | 1993 03 22.29549 | 12 54 37.68 | -07 45 29.2 | 17.9 | 7 809 |
| 1993 ER | 1993 03 24.11771 | 12 14 01.64 | -00 15 35.2 | 15.3 | 7 809 | 1993 FW ₃ | 1993 03 26.20174 | 12 50 59.52 | -07 17 07.6 | 17.3 | 7 809 |
| 1993 ES | 1993 03 19.21875 | 12 36 25.54 | -05 00 15.8 | 16.2 | 7 809 | 1993 FX ₃ | 1993 03 21.30174 | 12 58 18.00 | -07 46 10.7 | 17.7 | 7 809 |
| 1993 ES | 1993 03 20.23368 | 12 35 25.66 | -05 01 24.4 | 16.4 | 7 809 | 1993 FX ₃ | 1993 03 22.29549 | 12 57 43.98 | -07 37 32.7 | 17.9 | 7 809 |
| 1993 ES | 1993 03 24.11771 | 12 31 29.17 | -05 05 11.7 | 15.3 | 7 809 | 1993 FX ₃ | 1993 03 26.32604 | 12 55 13.54 | -07 00 21.1 | 17.0 | 7 809 |
| 1993 EU | 1993 03 17.19062 | 12 34 42.76 | +02 48 34.2 | 15.2 | 7 809 | 1993 FX ₃ | 1993 03 27.25452 | 12 54 36.89 | -06 51 22.7 | 17.0 | 7 809 |
| 1993 EU | 1993 03 18.21840 | 12 33 52.77 | +02 54 33.5 | 15.3 | 7 809 | 1993 FY ₃ | 1993 03 21.30174 | 13 00 32.75 | -08 00 18.4 | 16.9 | 7 809 |
| 1993 EU | 1993 03 23.12188 | 12 29 42.19 | +03 23 00.0 | 16.2 | 7 809 | 1993 FY ₃ | 1993 03 22.29549 | 12 59 45.66 | -07 53 40.2 | 17.9 | 7 809 |
| 1993 FL | 1993 03 19.21875 | 12 35 53.96 | -03 56 54.1 | 17.9 | 7 809 | 1993 FY ₃ | 1993 03 26.32604 | 12 56 24.17 | -07 25 16.4 | 17.0 | 7 809 |
| 1993 FL | 1993 03 20.23368 | 12 35 01.32 | -03 51 16.8 | 18.1 | 7 809 | 1993 FY ₃ | 1993 03 27.25452 | 12 55 36.13 | -07 18 26.8 | 17.0 | 7 809 |
| 1993 FL | 1993 03 24.11771 | 12 31 30.60 | -03 28 43.5 | 17.9 | 7 809 | 1993 FD ₄ | * 1993 03 19.15104 | 12 24 17.49 | -04 59 34.2 | 17.5 | 7 809 |
| 1993 FM | 1993 03 19.21875 | 12 35 13.47 | -03 56 55.3 | 17.0 | 7 809 | 1993 FD ₄ | 1993 03 20.15382 | 12 23 16.61 | -04 55 22.9 | 17.0 | 7 809 |
| 1993 FM | 1993 03 20.23368 | 12 34 30.13 | -03 51 59.5 | 17.3 | 7 809 | 1993 FD ₄ | 1993 03 24.11771 | 12 19 12.62 | -04 38 05.7 | 17.0 | 7 809 |
| 1993 FM | 1993 03 24.11771 | 12 31 41.05 | -03 32 45.0 | 17.0 | 7 809 | 1993 FE ₄ | * 1993 03 17.10660 | 12 16 54.21 | +00 47 41.5 | 17.5 | 7 809 |
| 1993 FN | 1993 03 19.21875 | 12 37 03.75 | -03 19 12.9 | 17.0 | 7 809 | 1993 FE ₄ | 1993 03 18.13507 | 12 16 07.88 | +00 53 40.4 | 17.7 | 7 809 |
| 1993 FN | 1993 03 20.23368 | 12 35 58.39 | -03 19 27.1 | 17.3 | 7 809 | 1993 FE ₄ | 1993 03 23.12188 | 12 12 19.85 | +01 22 29.6 | 17.9 | 7 809 |
| 1993 FN | 1993 03 24.11771 | 12 31 44.06 | -03 19 56.9 | 17.0 | 7 809 | 1993 FF ₄ | * 1993 03 17.10660 | 12 17 16.08 | +00 38 55.9 | 17.5 | 7 809 |
| 1993 FO | 1993 03 19.21875 | 12 36 01.44 | -04 04 44.7 | 17.9 | 7 809 | 1993 FF ₄ | 1993 03 18.13507 | 12 16 28.33 | +00 43 36.4 | 16.9 | 7 809 |
| 1993 FO | 1993 03 20.23368 | 12 35 18.23 | -03 59 51.2 | 17.3 | 7 809 | 1993 FF ₄ | 1993 03 23.12188 | 12 12 33.92 | +01 06 05.5 | 17.9 | 7 809 |
| 1993 FO | 1993 03 24.11771 | 12 32 28.73 | -03 40 42.8 | 17.9 | 7 809 | 1993 FG ₄ | * 1993 03 17.10660 | 12 18 02.44 | +01 16 43.4 | 16.7 | 7 809 |
| 1993 FP | 1993 03 19.21875 | 12 36 55.41 | -04 14 40.7 | 16.2 | 7 809 | 1993 FG ₄ | 1993 03 18.13507 | 12 17 21.06 | +01 24 03.2 | 16.9 | 7 809 |
| 1993 FP | 1993 03 20.23368 | 12 36 07.89 | -04 07 45.0 | 16.4 | 7 809 | 1993 FG ₄ | 1993 03 23.12188 | 12 13 53.16 | +01 59 56.9 | 16.2 | 7 809 |
| 1993 FP | 1993 03 24.11771 | 12 32 59.34 | -03 40 19.2 | 15.3 | 7 809 | 1993 FH ₄ | * 1993 03 17.10660 | 12 18 10.73 | +00 12 09.8 | 17.5 | 7 809 |
| 1993 FS | 1993 03 19.21875 | 12 53 06.71 | -03 25 42.9 | 20.4 | 7 809 | 1993 FH ₄ | 1993 03 18.13507 | 12 17 23.61 | +00 18 05.6 | 17.7 | 7 809 |
| 1993 FT | 1993 03 19.15104 | 12 12 33.96 | -01 08 12.5 | 19.2 | 809 | 1993 FH ₄ | 1993 03 23.12188 | 12 13 31.21 | +00 46 49.9 | 17.9 | 7 809 |
| 1993 FD ₁ | 1993 03 19.15104 | 12 20 32.62 | -01 16 50.0 | 16.7 | 7 809 | 1993 FJ ₄ | * 1993 03 17.10660 | 12 18 35.46 | -00 04 12.9 | 17.5 | 7 809 |
| 1993 FD ₁ | 1993 03 20.15382 | 12 19 35.50 | -01 10 35.9 | 17.0 | 7 809 | 1993 FJ ₄ | 1993 03 18.13507 | 12 17 43.28 | -00 00 28.5 | 17.7 | 7 809 |
| 1993 FD ₁ | 1993 03 24.11771 | 12 15 48.53 | -00 45 57.2 | 17.0 | 7 809 | 1993 FJ ₄ | 1993 03 23.12188 | 12 13 26.27 | +00 17 35.9 | 19.6 | 7 809 |
| 1993 FG ₁ | 1993 03 19.15104 | 12 27 16.75 | -03 24 16.8 | 16.7 | 7 809 | 1993 FK ₄ | * 1993 03 17.10660 | 12 19 35.78 | +00 07 41.5 | 17.5 | 7 809 |
| 1993 FG ₁ | 1993 03 20.15382 | 12 26 35.80 | -03 01 15.3 | 15.3 | 7 809 | 1993 FK ₄ | 1993 03 18.13507 | 12 18 52.42 | +00 17 59.3 | 17.7 | 7 809 |

| | | | | | | | | | | | |
|----------------------|--------------------|-------------|-------------|------|-------|----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FK ₄ | 1993 03 23.12188 | 12 15 14.95 | +01 08 23.1 | 17.9 | 7 809 | 1993 FC ₅ | 1993 03 18.13507 | 12 23 26.60 | +00 28 14.1 | 17.7 | 7 809 |
| 1993 FL ₄ | * 1993 03 17.10660 | 12 19 48.42 | +00 25 36.0 | 16.7 | 7 809 | 1993 FC ₅ | 1993 03 23.12188 | 12 19 41.64 | +01 24 55.1 | 17.9 | 7 809 |
| 1993 FL ₄ | 1993 03 18.13507 | 12 18 55.41 | +00 32 10.4 | 16.9 | 7 809 | 1993 FD ₅ | * 1993 03 17.10660 | 12 25 40.42 | +00 41 18.5 | 19.2 | 7 809 |
| 1993 FL ₄ | 1993 03 23.12188 | 12 14 34.67 | +01 03 56.8 | 17.0 | 7 809 | 1993 FD ₅ | 1993 03 18.13507 | 12 24 54.21 | +00 50 34.5 | 19.4 | 7 809 |
| 1993 FM ₄ | * 1993 03 17.10660 | 12 19 55.54 | +01 16 37.1 | 18.4 | 7 809 | 1993 FD ₅ | 1993 03 23.12188 | 12 21 02.93 | +01 35 53.9 | 18.7 | 7 809 |
| 1993 FM ₄ | 1993 03 18.13507 | 12 19 02.22 | +01 22 18.1 | 18.6 | 7 809 | 1993 FE ₅ | * 1993 03 17.10660 | 12 26 25.34 | +00 40 00.9 | 18.4 | 7 809 |
| 1993 FM ₄ | 1993 03 23.12188 | 12 14 36.72 | +01 49 49.3 | 17.9 | 7 809 | 1993 FE ₅ | 1993 03 18.13507 | 12 25 29.14 | +00 44 39.7 | 17.7 | 7 809 |
| 1993 FN ₄ | * 1993 03 17.10660 | 12 20 13.01 | -00 01 28.2 | 17.5 | 7 809 | 1993 FE ₅ | 1993 03 23.12188 | 12 20 49.16 | +01 07 25.6 | 18.7 | 7 809 |
| 1993 FN ₄ | 1993 03 18.13507 | 12 19 21.37 | +00 04 58.8 | 17.7 | 7 809 | 1993 FF ₅ | * 1993 03 17.10660 | 12 26 50.94 | +00 33 43.1 | 18.4 | 7 809 |
| 1993 FN ₄ | 1993 03 23.12188 | 12 15 01.88 | +00 36 40.7 | 17.0 | 7 809 | 1993 FF ₅ | 1993 03 18.13507 | 12 25 52.73 | +00 38 28.5 | 17.7 | 7 809 |
| 1993 FO ₄ | * 1993 03 17.10660 | 12 20 47.83 | +01 02 18.0 | 16.7 | 7 809 | 1993 FF ₅ | 1993 03 23.12188 | 12 21 03.68 | +01 01 43.5 | 17.9 | 7 809 |
| 1993 FO ₄ | 1993 03 18.13507 | 12 20 03.40 | +01 13 52.6 | 16.9 | 7 809 | 1993 FG ₅ | * 1993 03 17.10660 | 12 26 52.66 | +01 13 22.0 | 17.5 | 7 809 |
| 1993 FO ₄ | 1993 03 23.12188 | 12 16 24.00 | +02 09 42.7 | 17.0 | 7 809 | 1993 FG ₅ | 1993 03 18.13507 | 12 26 05.21 | +01 18 12.3 | 18.6 | 7 809 |
| 1993 FP ₄ | * 1993 03 17.10660 | 12 20 50.97 | +00 09 09.7 | 18.4 | 7 809 | 1993 FG ₅ | 1993 03 23.12188 | 12 22 09.60 | +01 41 43.7 | 17.9 | 7 809 |
| 1993 FP ₄ | 1993 03 18.13507 | 12 19 57.38 | +00 15 55.7 | 17.7 | 7 809 | 1993 FH ₅ | * 1993 03 17.10660 | 12 27 01.83 | +00 16 38.7 | 16.7 | 7 809 |
| 1993 FP ₄ | 1993 03 23.12188 | 12 15 31.65 | +00 49 00.8 | 18.7 | 7 809 | 1993 FH ₅ | 1993 03 18.13507 | 12 26 13.55 | +00 21 20.4 | 16.9 | 7 809 |
| 1993 FQ ₄ | * 1993 03 17.10660 | 12 20 56.46 | +00 44 23.3 | 18.4 | 7 809 | 1993 FH ₅ | 1993 03 23.12188 | 12 22 14.07 | +00 44 16.4 | 17.0 | 7 809 |
| 1993 FQ ₄ | 1993 03 18.13507 | 12 20 05.33 | +00 52 17.5 | 17.7 | 7 809 | 1993 FJ ₅ | * 1993 03 17.10660 | 12 27 56.82 | -00 05 16.4 | 18.4 | 7 809 |
| 1993 FQ ₄ | 1993 03 23.12188 | 12 15 50.34 | +01 30 44.1 | 17.9 | 7 809 | 1993 FJ ₅ | 1993 03 18.13507 | 12 27 09.29 | +00 02 17.7 | 18.6 | 7 809 |
| 1993 FR ₄ | * 1993 03 17.10660 | 12 21 14.14 | +00 40 45.2 | 17.5 | 7 809 | 1993 FJ ₅ | 1993 03 23.12188 | 12 23 12.19 | +00 39 01.4 | 18.7 | 7 809 |
| 1993 FR ₄ | 1993 03 18.13507 | 12 20 20.58 | +00 48 44.5 | 16.9 | 7 809 | 1993 FK ₅ | * 1993 03 17.10660 | 12 27 58.42 | +00 34 05.6 | 18.4 | 7 809 |
| 1993 FR ₄ | 1993 03 23.12188 | 12 15 51.41 | +01 28 11.0 | 17.9 | 7 809 | 1993 FK ₅ | 1993 03 18.13507 | 12 26 59.07 | +00 38 14.8 | 17.7 | 7 809 |
| 1993 FS ₄ | * 1993 03 17.10660 | 12 21 44.66 | +01 16 18.1 | 17.5 | 7 809 | 1993 FK ₅ | 1993 03 23.12188 | 12 22 04.75 | +00 58 26.8 | 17.9 | 7 809 |
| 1993 FS ₄ | 1993 03 18.13507 | 12 21 00.01 | +01 21 47.3 | 17.7 | 7 809 | 1993 FL ₅ | * 1993 03 17.10660 | 12 27 59.43 | +00 19 08.7 | 19.2 | 7 809 |
| 1993 FS ₄ | 1993 03 23.12188 | 12 17 18.58 | +01 48 27.4 | 17.0 | 7 809 | 1993 FL ₅ | 1993 03 18.13507 | 12 27 08.01 | +00 26 25.4 | 19.4 | 7 809 |
| 1993 FT ₄ | * 1993 03 17.10660 | 12 22 00.33 | +01 22 54.6 | 15.9 | 7 809 | 1993 FL ₅ | 1993 03 23.12188 | 12 22 49.26 | +01 02 02.4 | 18.7 | 7 809 |
| 1993 FT ₄ | 1993 03 18.13507 | 12 21 16.43 | +01 28 29.0 | 16.0 | 7 809 | 1993 FM ₅ | * 1993 03 17.10660 | 12 28 03.25 | +00 31 38.5 | 18.4 | 7 809 |
| 1993 FT ₄ | 1993 03 23.12188 | 12 17 38.53 | +01 55 33.4 | 16.2 | 7 809 | 1993 FM ₅ | 1993 03 18.13507 | 12 27 13.11 | +00 37 25.4 | 19.4 | 7 809 |
| 1993 FU ₄ | * 1993 03 17.10660 | 12 22 16.51 | +00 12 48.4 | 17.5 | 7 809 | 1993 FM ₅ | 1993 03 23.12188 | 12 23 04.65 | +01 05 38.7 | 18.7 | 7 809 |
| 1993 FU ₄ | 1993 03 18.13507 | 12 21 35.29 | +00 25 58.1 | 16.9 | 7 809 | 1993 FN ₅ | * 1993 03 17.10660 | 12 28 17.05 | +00 32 01.9 | 19.2 | 7 809 |
| 1993 FU ₄ | 1993 03 23.12188 | 12 18 09.81 | +01 29 58.3 | 17.0 | 7 809 | 1993 FN ₅ | 1993 03 18.13507 | 12 27 30.14 | +00 40 26.0 | 18.6 | 7 809 |
| 1993 FV ₄ | * 1993 03 17.10660 | 12 22 41.59 | +01 24 20.1 | 18.4 | 7 809 | 1993 FN ₅ | 1993 03 23.12188 | 12 23 35.57 | +01 21 23.0 | 18.7 | 7 809 |
| 1993 FV ₄ | 1993 03 18.13507 | 12 21 52.06 | +01 31 46.3 | 17.7 | 7 809 | 1993 FO ₅ | * 1993 03 17.10660 | 12 28 30.45 | +00 30 57.2 | 18.4 | 7 809 |
| 1993 FV ₄ | 1993 03 23.12188 | 12 17 44.18 | +02 07 52.3 | 17.0 | 7 809 | 1993 FO ₅ | 1993 03 18.13507 | 12 27 34.80 | +00 37 25.9 | 17.7 | 7 809 |
| 1993 FW ₄ | * 1993 03 17.10660 | 12 23 44.70 | +00 47 27.5 | 18.4 | 7 809 | 1993 FO ₅ | 1993 03 23.12188 | 12 22 56.15 | +01 09 18.3 | 18.7 | 7 809 |
| 1993 FW ₄ | 1993 03 18.13507 | 12 22 45.60 | +00 52 43.1 | 18.6 | 7 809 | 1993 FP ₅ | * 1993 03 17.10660 | 12 28 34.63 | +00 56 56.4 | 18.4 | 7 809 |
| 1993 FW ₄ | 1993 03 23.12188 | 12 17 54.84 | +01 18 09.1 | 18.7 | 7 809 | 1993 FP ₅ | 1993 03 18.13507 | 12 27 49.69 | +01 01 22.7 | 18.6 | 7 809 |
| 1993 FX ₄ | * 1993 03 17.10660 | 12 23 49.72 | +01 15 08.8 | 19.2 | 7 809 | 1993 FP ₅ | 1993 03 23.12188 | 12 24 06.81 | +01 22 58.5 | 19.6 | 7 809 |
| 1993 FX ₄ | 1993 03 18.13507 | 12 23 08.96 | +01 23 11.6 | 19.4 | 7 809 | 1993 FQ ₅ | * 1993 03 17.10660 | 12 28 39.16 | +01 20 26.4 | 16.7 | 7 809 |
| 1993 FX ₄ | 1993 03 23.12188 | 12 19 45.24 | +02 02 37.0 | 18.7 | 7 809 | 1993 FQ ₅ | 1993 03 18.13507 | 12 27 55.24 | +01 25 45.4 | 17.7 | 7 809 |
| 1993 FY ₄ | * 1993 03 17.10660 | 12 23 52.71 | +00 57 59.6 | 18.4 | 7 809 | 1993 FQ ₅ | 1993 03 23.12188 | 12 24 16.59 | +01 51 30.0 | 17.9 | 7 809 |
| 1993 FY ₄ | 1993 03 18.13507 | 12 23 06.71 | +01 02 59.8 | 18.6 | 7 809 | 1993 FR ₅ | * 1993 03 17.10660 | 12 28 51.49 | +01 23 43.6 | 17.5 | 7 809 |
| 1993 FZ ₄ | * 1993 03 17.10660 | 12 23 53.62 | +00 48 46.6 | 18.4 | 7 809 | 1993 FR ₅ | 1993 03 18.13507 | 12 28 00.85 | +01 29 13.4 | 17.7 | 7 809 |
| 1993 FZ ₄ | 1993 03 18.13507 | 12 23 11.47 | +00 53 50.5 | 17.7 | 7 809 | 1993 FR ₅ | 1993 03 23.12188 | 12 23 49.42 | +01 55 53.1 | 17.9 | 7 809 |
| 1993 FZ ₄ | 1993 03 23.12188 | 12 19 42.47 | +01 18 35.2 | 17.9 | 7 809 | 1993 FS ₅ | * 1993 03 17.10660 | 12 29 55.30 | +00 28 45.6 | 18.4 | 7 809 |
| 1993 FA ₅ | * 1993 03 17.10660 | 12 24 07.54 | +00 38 58.2 | 17.5 | 7 809 | 1993 FS ₅ | 1993 03 18.13507 | 12 29 09.06 | +00 37 05.7 | 17.7 | 7 809 |
| 1993 FA ₅ | 1993 03 18.13507 | 12 23 12.52 | +00 48 50.2 | 16.0 | 7 809 | 1993 FS ₅ | 1993 03 23.12188 | 12 25 19.35 | +01 17 43.8 | 17.9 | 7 809 |
| 1993 FA ₅ | 1993 03 23.12188 | 12 18 40.32 | +01 36 36.6 | 17.0 | 7 809 | 1993 FT ₅ | * 1993 03 17.10660 | 12 30 03.44 | +01 07 53.9 | 16.7 | 7 809 |
| 1993 FB ₅ | * 1993 03 17.10660 | 12 24 08.23 | +00 07 03.1 | 16.7 | 7 809 | 1993 FT ₅ | 1993 03 18.13507 | 12 29 22.53 | +01 15 55.7 | 16.0 | 7 809 |
| 1993 FB ₅ | 1993 03 18.13507 | 12 23 15.33 | +00 10 19.1 | 16.9 | 7 809 | 1993 FT ₅ | 1993 03 23.12188 | 12 25 58.57 | +01 55 01.1 | 16.2 | 7 809 |
| 1993 FB ₅ | 1993 03 23.12188 | 12 18 52.50 | +00 26 20.0 | 17.0 | 7 809 | 1993 FU ₅ | * 1993 03 17.10660 | 12 30 53.60 | +01 21 22.6 | 18.4 | 7 809 |
| 1993 FC ₅ | * 1993 03 17.10660 | 12 24 11.99 | +00 16 32.0 | 17.5 | 7 809 | 1993 FU ₅ | 1993 03 18.13507 | 12 29 58.36 | +01 28 38.3 | 18.6 | 7 809 |

| | | | | | | | | | | | |
|----------------------|--------------------|-------------|-------------|------|-------|----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FU ₅ | 1993 03 23.12188 | 12 25 23.93 | +02 03 42.2 | 17.9 | 7 809 | 1993 FN ₆ | 1993 03 23.12188 | 12 20 09.69 | +01 54 44.9 | 17.9 | 7 809 |
| 1993 FV ₅ | * 1993 03 17.10660 | 12 30 55.30 | -00 00 14.4 | 17.5 | 7 809 | 1993 FO ₆ | * 1993 03 17.10660 | 12 31 41.85 | +01 01 21.1 | 16.7 | 7 809 |
| 1993 FV ₅ | 1993 03 18.13507 | 12 30 12.29 | +00 05 04.5 | 17.7 | 7 809 | 1993 FO ₆ | 1993 03 18.13507 | 12 30 55.37 | +01 06 15.8 | 16.9 | 7 809 |
| 1993 FV ₅ | 1993 03 23.12188 | 12 26 37.34 | +00 31 11.0 | 17.9 | 7 809 | 1993 FO ₆ | 1993 03 23.12188 | 12 27 03.98 | +01 30 13.9 | 17.0 | 7 809 |
| 1993 FW ₅ | * 1993 03 17.10660 | 12 30 59.76 | +00 04 25.2 | 17.5 | 7 809 | 1993 FP ₆ | * 1993 03 17.10660 | 12 17 24.48 | +03 11 54.1 | 19.2 | 7 809 |
| 1993 FW ₅ | 1993 03 18.13507 | 12 30 07.81 | +00 06 26.1 | 17.7 | 7 809 | 1993 FP ₆ | 1993 03 18.13507 | 12 16 43.29 | +03 19 20.6 | 19.4 | 7 809 |
| 1993 FW ₅ | 1993 03 23.12188 | 12 25 49.04 | +00 16 21.4 | 17.9 | 7 809 | 1993 FP ₆ | 1993 03 23.12188 | 12 13 20.19 | +03 55 16.0 | 19.6 | 7 809 |
| 1993 FX ₅ | * 1993 03 17.10660 | 12 31 07.38 | +00 20 54.5 | 18.4 | 7 809 | 1993 FQ ₆ | * 1993 03 17.10660 | 12 18 26.37 | +02 59 59.3 | 19.2 | 7 809 |
| 1993 FX ₅ | 1993 03 18.13507 | 12 30 24.09 | +00 25 37.2 | 19.4 | 7 809 | 1993 FQ ₆ | 1993 03 18.13507 | 12 17 36.63 | +03 08 21.4 | 17.7 | 7 809 |
| 1993 FX ₅ | 1993 03 23.12188 | 12 26 49.56 | +00 48 38.5 | 19.6 | 7 809 | 1993 FQ ₆ | 1993 03 23.12188 | 12 13 30.79 | +03 48 55.4 | 17.9 | 7 809 |
| 1993 FY ₅ | * 1993 03 17.10660 | 12 31 07.42 | +00 10 45.4 | 17.5 | 7 809 | 1993 FR ₆ | * 1993 03 17.10660 | 12 19 37.87 | +03 00 00.0 | 19.2 | 7 809 |
| 1993 FY ₅ | 1993 03 18.13507 | 12 30 07.98 | +00 14 45.4 | 16.9 | 7 809 | 1993 FR ₆ | 1993 03 18.13507 | 12 18 48.68 | +03 10 05.7 | 18.6 | 7 809 |
| 1993 FY ₅ | 1993 03 23.12188 | 12 25 11.37 | +00 34 20.5 | 17.9 | 7 809 | 1993 FR ₆ | 1993 03 23.12188 | 12 14 48.06 | +03 58 19.4 | 19.6 | 7 809 |
| 1993 FZ ₅ | * 1993 03 17.10660 | 12 31 13.44 | +00 57 35.6 | 18.4 | 7 809 | 1993 FS ₆ | * 1993 03 17.10660 | 12 19 41.53 | +03 09 40.7 | 16.7 | 7 809 |
| 1993 FZ ₅ | 1993 03 18.13507 | 12 30 20.96 | +01 04 29.7 | 19.4 | 7 809 | 1993 FS ₆ | 1993 03 18.13507 | 12 18 42.83 | +03 15 37.1 | 16.9 | 7 809 |
| 1993 FZ ₅ | 1993 03 23.12188 | 12 25 58.51 | +01 38 18.1 | 18.7 | 7 809 | 1993 FS ₆ | 1993 03 23.12188 | 12 13 53.84 | +03 44 00.5 | 17.0 | 7 809 |
| 1993 FA ₆ | * 1993 03 17.10660 | 12 31 38.77 | +01 20 24.9 | 18.4 | 7 809 | 1993 FT ₆ | * 1993 03 17.10660 | 12 19 41.61 | +03 47 33.6 | 18.4 | 7 809 |
| 1993 FA ₆ | 1993 03 18.13507 | 12 30 58.02 | +01 26 07.2 | 18.6 | 7 809 | 1993 FT ₆ | 1993 03 18.13507 | 12 19 00.87 | +03 58 41.7 | 17.7 | 7 809 |
| 1993 FA ₆ | 1993 03 23.12188 | 12 27 35.32 | +01 53 54.5 | 18.7 | 7 809 | 1993 FT ₆ | 1993 03 23.12188 | 12 15 37.52 | +04 52 00.7 | 17.0 | 7 809 |
| 1993 FB ₆ | * 1993 03 17.10660 | 12 32 12.77 | +00 16 32.7 | 17.5 | 7 809 | 1993 FU ₆ | * 1993 03 17.10660 | 12 19 42.02 | +03 22 03.7 | 16.7 | 7 809 |
| 1993 FB ₆ | 1993 03 18.13507 | 12 31 13.71 | +00 22 05.0 | 17.7 | 7 809 | 1993 FU ₆ | 1993 03 18.13507 | 12 18 54.39 | +03 27 16.3 | 17.7 | 7 809 |
| 1993 FB ₆ | 1993 03 23.12188 | 12 26 21.18 | +00 49 01.6 | 17.9 | 7 809 | 1993 FU ₆ | 1993 03 23.12188 | 12 14 59.92 | +03 52 09.8 | 17.0 | 7 809 |
| 1993 FC ₆ | * 1993 03 17.10660 | 12 32 37.95 | +00 34 22.6 | 17.5 | 7 809 | 1993 FV ₆ | * 1993 03 17.10660 | 12 20 10.50 | +02 48 05.5 | 18.4 | 7 809 |
| 1993 FC ₆ | 1993 03 18.13507 | 12 31 37.49 | +00 38 01.9 | 16.9 | 7 809 | 1993 FV ₆ | 1993 03 18.13507 | 12 18 59.92 | +02 46 53.8 | 18.6 | 7 809 |
| 1993 FC ₆ | 1993 03 23.12188 | 12 26 34.00 | +00 55 54.3 | 17.9 | 7 809 | 1993 FV ₆ | 1993 03 23.12188 | 12 13 13.83 | +02 40 35.2 | 18.7 | 7 809 |
| 1993 FD ₆ | * 1993 03 17.10660 | 12 33 14.10 | +00 34 23.2 | 18.4 | 7 809 | 1993 FW ₆ | * 1993 03 17.10660 | 12 20 17.32 | +03 03 21.1 | 17.5 | 7 809 |
| 1993 FD ₆ | 1993 03 17.19062 | 12 33 10.08 | +00 34 46.1 | 17.7 | 7 809 | 1993 FW ₆ | 1993 03 18.13507 | 12 19 25.21 | +03 07 50.5 | 17.7 | 7 809 |
| 1993 FD ₆ | 1993 03 18.13507 | 12 32 24.55 | +00 38 44.0 | 17.7 | 7 809 | 1993 FW ₆ | 1993 03 23.12188 | 12 15 09.51 | +03 29 12.6 | 17.9 | 7 809 |
| 1993 FD ₆ | 1993 03 23.12188 | 12 28 18.35 | +00 59 53.0 | 17.9 | 7 809 | 1993 FX ₆ | * 1993 03 17.10660 | 12 20 33.76 | +03 52 22.4 | 17.5 | 7 809 |
| 1993 FF ₆ | * 1993 03 17.10660 | 12 17 16.36 | +02 02 40.7 | 18.4 | 7 809 | 1993 FX ₆ | 1993 03 18.13507 | 12 19 43.45 | +04 01 52.2 | 17.7 | 7 809 |
| 1993 FF ₆ | 1993 03 18.13507 | 12 16 23.70 | +02 11 40.9 | 18.6 | 7 809 | 1993 FX ₆ | 1993 03 23.12188 | 12 15 33.55 | +04 47 40.6 | 17.9 | 7 809 |
| 1993 FF ₆ | 1993 03 23.12188 | 12 12 03.22 | +02 55 11.0 | 18.7 | 7 809 | 1993 FY ₆ | * 1993 03 17.10660 | 12 20 36.61 | +03 58 42.9 | 17.5 | 7 809 |
| 1993 FG ₆ | * 1993 03 17.10660 | 12 17 19.76 | -00 00 14.8 | 17.5 | 7 809 | 1993 FY ₆ | 1993 03 18.13507 | 12 19 34.33 | +04 05 09.5 | 17.7 | 7 809 |
| 1993 FG ₆ | 1993 03 18.13507 | 12 16 34.39 | +00 04 22.5 | 17.7 | 7 809 | 1993 FY ₆ | 1993 03 23.12188 | 12 14 24.18 | +04 36 00.3 | 17.9 | 7 809 |
| 1993 FG ₆ | 1993 03 23.12188 | 12 12 51.75 | +00 27 02.4 | 18.7 | 7 809 | 1993 FZ ₆ | * 1993 03 17.10660 | 12 20 42.07 | +03 31 55.9 | 17.5 | 7 809 |
| 1993 FH ₆ | * 1993 03 17.10660 | 12 18 13.28 | +01 45 28.9 | 18.4 | 7 809 | 1993 FZ ₆ | 1993 03 18.13507 | 12 19 44.89 | +03 38 07.3 | 17.7 | 7 809 |
| 1993 FH ₆ | 1993 03 18.13507 | 12 17 29.13 | +01 50 58.2 | 18.6 | 7 809 | 1993 FZ ₆ | 1993 03 23.12188 | 12 15 00.39 | +04 07 52.9 | 17.0 | 7 809 |
| 1993 FH ₆ | 1993 03 23.12188 | 12 13 51.18 | +02 17 36.5 | 18.7 | 7 809 | 1993 FA ₇ | * 1993 03 17.10660 | 12 21 02.60 | +04 03 52.7 | 18.4 | 7 809 |
| 1993 FJ ₆ | * 1993 03 17.10660 | 12 20 10.68 | +01 39 44.4 | 18.4 | 7 809 | 1993 FA ₇ | 1993 03 18.13507 | 12 20 09.39 | +04 08 42.2 | 17.7 | 7 809 |
| 1993 FJ ₆ | 1993 03 18.13507 | 12 19 24.04 | +01 45 04.0 | 17.7 | 7 809 | 1993 FA ₇ | 1993 03 23.12188 | 12 15 48.20 | +04 31 22.5 | 17.9 | 7 809 |
| 1993 FJ ₆ | 1993 03 23.12188 | 12 15 32.69 | +02 10 57.4 | 17.9 | 7 809 | 1993 FB ₇ | * 1993 03 17.10660 | 12 21 05.04 | +03 42 54.0 | 19.2 | 7 809 |
| 1993 FK ₆ | * 1993 03 17.10660 | 12 22 19.65 | +01 53 17.3 | 19.2 | 7 809 | 1993 FB ₇ | 1993 03 18.13507 | 12 19 55.37 | +03 42 07.7 | 17.7 | 7 809 |
| 1993 FK ₆ | 1993 03 18.13507 | 12 21 34.15 | +01 57 55.6 | 19.4 | 7 809 | 1993 FB ₇ | 1993 03 23.12188 | 12 14 10.45 | +03 37 33.3 | 17.9 | 7 809 |
| 1993 FK ₆ | 1993 03 23.12188 | 12 17 49.30 | +02 20 15.7 | 18.7 | 7 809 | 1993 FC ₇ | * 1993 03 17.10660 | 12 21 27.17 | +03 49 25.4 | 19.2 | 7 809 |
| 1993 FL ₆ | * 1993 03 17.10660 | 12 23 40.54 | +01 36 18.1 | 17.5 | 7 809 | 1993 FC ₇ | 1993 03 18.13507 | 12 20 26.27 | +03 54 27.3 | 18.6 | 7 809 |
| 1993 FL ₆ | 1993 03 18.13507 | 12 22 41.50 | +01 43 20.2 | 16.9 | 7 809 | 1993 FC ₇ | 1993 03 23.12188 | 12 15 25.81 | +04 18 23.5 | 19.6 | 7 809 |
| 1993 FL ₆ | 1993 03 23.12188 | 12 17 47.19 | +02 17 22.7 | 16.2 | 7 809 | 1993 FD ₇ | * 1993 03 17.10660 | 12 21 50.15 | +02 52 03.1 | 19.2 | 7 809 |
| 1993 FM ₆ | * 1993 03 17.10660 | 12 23 53.32 | +01 46 33.1 | 18.4 | 7 809 | 1993 FD ₇ | 1993 03 18.13507 | 12 21 00.78 | +02 58 06.7 | 18.6 | 7 809 |
| 1993 FM ₆ | 1993 03 18.13507 | 12 22 58.62 | +01 52 51.2 | 17.7 | 7 809 | 1993 FD ₇ | 1993 03 23.12188 | 12 16 56.80 | +03 27 03.4 | 18.7 | 7 809 |
| 1993 FM ₆ | 1993 03 23.12188 | 12 18 27.17 | +02 23 24.2 | 17.9 | 7 809 | 1993 FE ₇ | * 1993 03 17.10660 | 12 22 13.85 | +04 03 40.6 | 19.2 | 7 809 |
| 1993 FN ₆ | * 1993 03 17.10660 | 12 26 07.86 | +01 37 18.1 | 18.4 | 7 809 | 1993 FE ₇ | 1993 03 18.13507 | 12 21 19.56 | +04 09 28.8 | 18.6 | 7 809 |
| 1993 FN ₆ | 1993 03 18.13507 | 12 25 08.00 | +01 40 18.1 | 18.6 | 7 809 | 1993 FE ₇ | 1993 03 23.12188 | 12 16 48.77 | +04 36 58.4 | 18.7 | 7 809 |

| | | | | | | | | | | | |
|----------------------|--------------------|-------------|-------------|------|-------|----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FF ₇ | * 1993 03 17.10660 | 12 22 58.98 | +02 42 26.0 | 19.2 | 7 809 | 1993 FX ₇ | 1993 03 18.13507 | 12 27 14.72 | +03 30 07.4 | 18.6 | 7 809 |
| 1993 FF ₇ | 1993 03 18.13507 | 12 22 01.36 | +02 46 54.5 | 18.6 | 7 809 | 1993 FX ₇ | 1993 03 23.12188 | 12 23 08.83 | +03 48 43.0 | 18.7 | 7 809 |
| 1993 FF ₇ | 1993 03 23.12188 | 12 17 14.27 | +03 08 19.2 | 18.7 | 7 809 | 1993 FY ₇ | * 1993 03 17.10660 | 12 28 28.66 | +04 01 32.9 | 18.4 | 7 809 |
| 1993 FG ₇ | * 1993 03 17.10660 | 12 23 00.40 | +03 53 14.2 | 18.4 | 7 809 | 1993 FY ₇ | 1993 03 18.13507 | 12 27 38.36 | +04 09 02.5 | 18.6 | 7 809 |
| 1993 FG ₇ | 1993 03 18.13507 | 12 22 07.07 | +04 01 54.8 | 18.6 | 7 809 | 1993 FY ₇ | 1993 03 23.12188 | 12 23 28.39 | +04 44 46.9 | 18.7 | 7 809 |
| 1993 FG ₇ | 1993 03 23.12188 | 12 17 44.01 | +04 43 01.4 | 19.6 | 7 809 | 1993 FZ ₇ | * 1993 03 17.10660 | 12 28 33.31 | +03 13 46.9 | 17.5 | 7 809 |
| 1993 FH ₇ | * 1993 03 17.10660 | 12 23 14.72 | +03 55 12.7 | 18.4 | 7 809 | 1993 FZ ₇ | 1993 03 18.13507 | 12 27 32.83 | +03 19 21.2 | 17.7 | 7 809 |
| 1993 FH ₇ | 1993 03 18.13507 | 12 22 18.44 | +04 01 56.7 | 17.7 | 7 809 | 1993 FZ ₇ | 1993 03 23.12188 | 12 22 32.09 | +03 45 52.7 | 17.9 | 7 809 |
| 1993 FH ₇ | 1993 03 23.12188 | 12 17 37.36 | +04 34 20.3 | 17.9 | 7 809 | 1993 FA ₈ | * 1993 03 17.10660 | 12 28 38.95 | +04 01 07.6 | 18.4 | 7 809 |
| 1993 FJ ₇ | * 1993 03 17.10660 | 12 23 24.50 | +04 14 30.6 | 19.2 | 7 809 | 1993 FA ₈ | 1993 03 18.13507 | 12 27 42.03 | +04 07 26.1 | 19.4 | 7 809 |
| 1993 FJ ₇ | 1993 03 18.13507 | 12 22 29.14 | +04 21 43.7 | 18.6 | 7 809 | 1993 FA ₈ | 1993 03 23.12188 | 12 22 56.09 | +04 37 31.0 | 18.7 | 7 809 |
| 1993 FJ ₇ | 1993 03 23.12188 | 12 17 53.32 | +04 55 49.8 | 18.7 | 7 809 | 1993 FB ₈ | * 1993 03 17.10660 | 12 28 58.52 | +03 01 17.8 | 17.5 | 7 809 |
| 1993 FK ₇ | * 1993 03 17.10660 | 12 24 00.50 | +03 52 35.6 | 18.4 | 7 809 | 1993 FB ₈ | 1993 03 18.13507 | 12 28 09.16 | +03 06 51.6 | 17.7 | 7 809 |
| 1993 FK ₇ | 1993 03 18.13507 | 12 23 05.79 | +03 55 06.3 | 18.6 | 7 809 | 1993 FB ₈ | 1993 03 23.12188 | 12 24 02.91 | +03 33 36.6 | 17.0 | 7 809 |
| 1993 FK ₇ | 1993 03 23.12188 | 12 18 36.61 | +04 06 44.5 | 18.7 | 7 809 | 1993 FC ₈ | * 1993 03 17.10660 | 12 29 02.69 | +01 30 32.2 | 18.4 | 7 809 |
| 1993 FL ₇ | * 1993 03 17.10660 | 12 24 01.17 | +03 36 38.2 | 19.2 | 7 809 | 1993 FC ₈ | 1993 03 18.13507 | 12 28 11.26 | +01 35 58.9 | 19.4 | 7 809 |
| 1993 FL ₇ | 1993 03 18.13507 | 12 23 18.10 | +03 49 30.7 | 18.6 | 7 809 | 1993 FC ₈ | 1993 03 23.12188 | 12 23 56.09 | +02 02 18.7 | 18.7 | 7 809 |
| 1993 FL ₇ | 1993 03 23.12188 | 12 19 43.40 | +04 51 40.8 | 18.7 | 7 809 | 1993 FD ₈ | * 1993 03 17.10660 | 12 29 05.59 | +03 17 45.8 | 18.4 | 7 809 |
| 1993 FM ₇ | * 1993 03 17.10660 | 12 24 05.68 | +02 45 43.8 | 17.5 | 7 809 | 1993 FD ₈ | 1993 03 18.13507 | 12 28 11.55 | +03 23 21.5 | 18.6 | 7 809 |
| 1993 FM ₇ | 1993 03 18.13507 | 12 23 18.98 | +02 51 27.3 | 17.7 | 7 809 | 1993 FD ₈ | 1993 03 23.12188 | 12 23 41.74 | +03 49 49.5 | 18.7 | 7 809 |
| 1993 FM ₇ | 1993 03 23.12188 | 12 19 28.36 | +03 18 59.6 | 17.0 | 7 809 | 1993 FE ₈ | * 1993 03 17.10660 | 12 29 30.93 | +03 48 46.6 | 18.4 | 7 809 |
| 1993 FN ₇ | * 1993 03 17.10660 | 12 24 11.25 | +03 32 36.3 | 17.5 | 7 809 | 1993 FE ₈ | 1993 03 18.13507 | 12 28 37.55 | +03 54 59.6 | 17.7 | 7 809 |
| 1993 FN ₇ | 1993 03 18.13507 | 12 23 28.57 | +03 38 37.4 | 17.7 | 7 809 | 1993 FE ₈ | 1993 03 23.12188 | 12 24 12.42 | +04 24 37.8 | 17.9 | 7 809 |
| 1993 FN ₇ | 1993 03 23.12188 | 12 19 58.44 | +04 07 27.3 | 17.9 | 7 809 | 1993 FF ₈ | * 1993 03 17.10660 | 12 30 06.63 | +01 55 36.7 | 18.4 | 7 809 |
| 1993 FO ₇ | * 1993 03 17.10660 | 12 25 01.77 | +03 36 48.4 | 16.7 | 7 809 | 1993 FF ₈ | 1993 03 18.13507 | 12 29 17.67 | +02 01 29.9 | 18.6 | 7 809 |
| 1993 FO ₇ | 1993 03 18.13507 | 12 24 03.40 | +03 42 57.3 | 16.9 | 7 809 | 1993 FF ₈ | 1993 03 23.12188 | 12 25 14.88 | +02 29 59.8 | 18.7 | 7 809 |
| 1993 FO ₇ | 1993 03 23.12188 | 12 19 16.91 | +04 11 54.5 | 16.2 | 7 809 | 1993 FG ₈ | * 1993 03 17.10660 | 12 30 06.70 | +01 35 16.6 | 18.4 | 7 809 |
| 1993 FP ₇ | * 1993 03 17.10660 | 12 25 41.39 | +03 41 28.5 | 18.4 | 7 809 | 1993 FG ₈ | 1993 03 18.13507 | 12 29 14.80 | +01 45 37.9 | 18.6 | 7 809 |
| 1993 FP ₇ | 1993 03 18.13507 | 12 24 56.15 | +03 50 28.1 | 18.6 | 7 809 | 1993 FG ₈ | 1993 03 23.12188 | 12 24 57.42 | +02 35 50.6 | 17.0 | 7 809 |
| 1993 FP ₇ | 1993 03 23.12188 | 12 21 10.12 | +04 33 54.1 | 18.7 | 7 809 | 1993 FH ₈ | * 1993 03 17.10660 | 12 30 20.12 | +03 15 30.8 | 16.7 | 7 809 |
| 1993 FQ ₇ | * 1993 03 17.10660 | 12 25 58.44 | +03 05 50.7 | 17.5 | 7 809 | 1993 FH ₈ | 1993 03 18.13507 | 12 29 15.98 | +03 12 17.3 | 17.7 | 7 809 |
| 1993 FQ ₇ | 1993 03 18.13507 | 12 25 05.74 | +03 08 11.4 | 17.7 | 7 809 | 1993 FH ₈ | 1993 03 23.12188 | 12 23 55.63 | +02 55 48.3 | 17.0 | 7 809 |
| 1993 FQ ₇ | 1993 03 23.12188 | 12 20 45.70 | +03 19 08.7 | 17.9 | 7 809 | 1993 FJ ₈ | * 1993 03 17.10660 | 12 30 35.68 | +01 39 57.0 | 18.4 | 7 809 |
| 1993 FR ₇ | * 1993 03 17.10660 | 12 26 02.39 | +03 53 55.0 | 19.2 | 7 809 | 1993 FJ ₈ | 1993 03 18.13507 | 12 29 36.14 | +01 45 20.1 | 17.7 | 7 809 |
| 1993 FR ₇ | 1993 03 18.13507 | 12 25 13.08 | +03 59 15.0 | 19.4 | 7 809 | 1993 FJ ₈ | 1993 03 23.12188 | 12 24 41.92 | +02 11 10.6 | 17.9 | 7 809 |
| 1993 FR ₇ | 1993 03 23.12188 | 12 21 08.90 | +04 24 15.4 | 18.7 | 7 809 | 1993 FK ₈ | * 1993 03 17.10660 | 12 31 03.94 | +03 06 34.5 | 17.5 | 7 809 |
| 1993 FS ₇ | * 1993 03 17.10660 | 12 26 03.99 | +02 49 47.5 | 19.2 | 7 809 | 1993 FK ₈ | 1993 03 18.13507 | 12 30 11.25 | +03 10 57.5 | 18.6 | 7 809 |
| 1993 FS ₇ | 1993 03 18.13507 | 12 25 12.60 | +02 55 11.8 | 18.6 | 7 809 | 1993 FK ₈ | 1993 03 23.12188 | 12 25 48.35 | +03 31 39.0 | 17.9 | 7 809 |
| 1993 FS ₇ | 1993 03 23.12188 | 12 20 59.39 | +03 21 09.0 | 17.9 | 7 809 | 1993 FL ₈ | * 1993 03 17.10660 | 12 31 04.47 | +04 35 01.5 | 15.9 | 7 809 |
| 1993 FT ₇ | * 1993 03 17.10660 | 12 27 06.04 | +02 00 13.1 | 18.4 | 7 809 | 1993 FL ₈ | 1993 03 18.13507 | 12 30 04.85 | +04 38 57.0 | 16.9 | 7 809 |
| 1993 FT ₇ | 1993 03 18.13507 | 12 26 13.82 | +02 08 32.3 | 18.6 | 7 809 | 1993 FL ₈ | 1993 03 23.12188 | 12 25 05.90 | +04 57 23.4 | 16.2 | 7 809 |
| 1993 FT ₇ | 1993 03 23.12188 | 12 21 54.42 | +02 48 46.7 | 18.7 | 7 809 | 1993 FM ₈ | * 1993 03 17.10660 | 12 31 05.85 | +03 14 44.0 | 17.5 | 7 809 |
| 1993 FU ₇ | * 1993 03 17.10660 | 12 27 29.54 | +02 43 15.4 | 18.4 | 7 809 | 1993 FM ₈ | 1993 03 18.13507 | 12 30 08.24 | +03 20 27.8 | 18.6 | 7 809 |
| 1993 FU ₇ | 1993 03 18.13507 | 12 26 34.39 | +02 49 55.3 | 18.6 | 7 809 | 1993 FM ₈ | 1993 03 23.12188 | 12 25 19.14 | +03 48 01.4 | 17.9 | 7 809 |
| 1993 FU ₇ | 1993 03 23.12188 | 12 21 59.18 | +03 22 11.1 | 18.7 | 7 809 | 1993 FN ₈ | * 1993 03 17.10660 | 12 31 12.80 | +03 58 44.8 | 17.5 | 7 809 |
| 1993 FV ₇ | * 1993 03 17.10660 | 12 27 45.65 | +04 38 47.8 | 16.7 | 7 809 | 1993 FN ₈ | 1993 03 18.13507 | 12 30 31.13 | +04 05 42.8 | 18.6 | 7 809 |
| 1993 FV ₇ | 1993 03 18.13507 | 12 26 43.67 | +04 43 11.2 | 16.9 | 7 809 | 1993 FN ₈ | 1993 03 23.12188 | 12 27 02.93 | +04 39 02.1 | 17.9 | 7 809 |
| 1993 FV ₇ | 1993 03 23.12188 | 12 21 34.93 | +05 03 46.9 | 16.2 | 7 809 | 1993 FO ₈ | * 1993 03 17.10660 | 12 31 15.78 | +04 30 46.8 | 16.7 | 7 809 |
| 1993 FW ₇ | * 1993 03 17.10660 | 12 28 04.40 | +03 22 07.3 | 18.4 | 7 809 | 1993 FO ₈ | 1993 03 18.13507 | 12 30 26.33 | +04 36 32.4 | 17.7 | 7 809 |
| 1993 FW ₇ | 1993 03 18.13507 | 12 27 10.53 | +03 29 21.7 | 19.4 | 7 809 | 1993 FO ₈ | 1993 03 23.12188 | 12 26 20.62 | +05 03 49.3 | 17.0 | 7 809 |
| 1993 FW ₇ | 1993 03 23.12188 | 12 22 40.21 | +04 04 01.5 | 17.9 | 7 809 | 1993 FP ₈ | * 1993 03 17.10660 | 12 32 05.87 | +02 54 49.8 | 17.5 | 7 809 |
| 1993 FX ₇ | * 1993 03 17.10660 | 12 28 04.69 | +03 26 12.4 | 19.2 | 7 809 | 1993 FP ₈ | 1993 03 18.13507 | 12 31 10.76 | +02 58 27.2 | 17.7 | 7 809 |

| | | | | | | | | | | | |
|----------------------|--------------------|-------------|-------------|------|-------|----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FP ₈ | 1993 03 23.12188 | 12 26 34.54 | +03 15 39.1 | 17.9 | 7 809 | 1993 FE ₉ | 1993 03 23.12188 | 12 30 31.94 | +04 15 52.6 | 18.7 | 7 809 |
| 1993 FQ ₈ | * 1993 03 17.10660 | 12 32 16.61 | +03 50 53.0 | 17.5 | 7 809 | 1993 FF ₉ | * 1993 03 17.19062 | 12 34 17.38 | +02 05 40.9 | 18.6 | 7 809 |
| 1993 FQ ₈ | 1993 03 18.13507 | 12 31 17.56 | +03 55 20.5 | 17.7 | 7 809 | 1993 FF ₉ | 1993 03 18.21840 | 12 33 30.63 | +02 11 04.7 | 18.7 | 7 809 |
| 1993 FQ ₈ | 1993 03 23.12188 | 12 26 23.94 | +04 16 23.6 | 17.9 | 7 809 | 1993 FF ₉ | 1993 03 23.12188 | 12 29 38.18 | +02 36 45.7 | 19.6 | 7 809 |
| 1993 FR ₈ | * 1993 03 17.10660 | 12 32 31.21 | +03 39 51.5 | 16.7 | 7 809 | 1993 FG ₉ | * 1993 03 17.19062 | 12 34 28.36 | +01 54 27.8 | 19.4 | 7 809 |
| 1993 FR ₈ | 1993 03 18.13507 | 12 31 49.30 | +03 46 28.0 | 17.7 | 7 809 | 1993 FG ₉ | 1993 03 18.21840 | 12 33 48.31 | +02 02 38.1 | 19.6 | 7 809 |
| 1993 FR ₈ | 1993 03 23.12188 | 12 28 20.54 | +04 18 06.6 | 17.0 | 7 809 | 1993 FG ₉ | 1993 03 23.12188 | 12 30 30.97 | +02 41 33.0 | 18.7 | 7 809 |
| 1993 FS ₈ | * 1993 03 17.10660 | 12 32 34.29 | +03 13 31.9 | 19.2 | 7 809 | 1993 FH ₉ | * 1993 03 17.19062 | 12 34 40.04 | +00 33 24.7 | 18.6 | 7 809 |
| 1993 FS ₈ | 1993 03 18.13507 | 12 31 47.47 | +03 20 28.1 | 18.6 | 7 809 | 1993 FH ₉ | 1993 03 18.21840 | 12 33 55.49 | +00 38 33.0 | 18.7 | 7 809 |
| 1993 FS ₈ | 1993 03 23.12188 | 12 27 54.28 | +03 53 47.9 | 18.7 | 7 809 | 1993 FH ₉ | 1993 03 23.12188 | 12 30 16.24 | +01 03 11.9 | 19.6 | 7 809 |
| 1993 FT ₈ | * 1993 03 17.10660 | 12 33 17.70 | +02 05 53.0 | 17.5 | 7 809 | 1993 FJ ₉ | * 1993 03 17.19062 | 12 34 41.29 | +02 58 11.5 | 16.9 | 7 809 |
| 1993 FT ₈ | 1993 03 17.19062 | 12 33 13.16 | +02 06 25.9 | 16.9 | 7 809 | 1993 FJ ₉ | 1993 03 18.21840 | 12 33 36.65 | +03 01 16.2 | 17.0 | 7 809 |
| 1993 FT ₈ | 1993 03 18.13507 | 12 32 23.41 | +02 12 29.0 | 16.9 | 7 809 | 1993 FJ ₉ | 1993 03 23.12188 | 12 28 18.17 | +03 15 32.7 | 17.9 | 7 809 |
| 1993 FT ₈ | 1993 03 23.12188 | 12 27 53.87 | +02 44 11.9 | 17.0 | 7 809 | 1993 FK ₉ | * 1993 03 17.19062 | 12 34 56.57 | +02 19 22.6 | 16.9 | 7 809 |
| 1993 FU ₈ | * 1993 03 17.19062 | 12 34 15.13 | -00 11 19.6 | 18.6 | 7 809 | 1993 FK ₉ | 1993 03 18.21840 | 12 33 56.99 | +02 23 50.6 | 16.2 | 7 809 |
| 1993 FU ₈ | 1993 03 18.21840 | 12 33 18.31 | -00 03 54.3 | 18.7 | 7 809 | 1993 FK ₉ | 1993 03 23.12188 | 12 29 05.16 | +02 44 53.0 | 17.0 | 7 809 |
| 1993 FU ₈ | 1993 03 23.12188 | 12 28 39.97 | +00 31 50.0 | 19.6 | 7 809 | 1993 FL ₉ | * 1993 03 17.19062 | 12 34 58.43 | +02 42 13.5 | 18.6 | 7 809 |
| 1993 FV ₈ | * 1993 03 17.19062 | 12 36 23.97 | +00 06 00.4 | 19.4 | 7 809 | 1993 FL ₉ | 1993 03 18.21840 | 12 34 07.67 | +02 50 16.1 | 18.7 | 7 809 |
| 1993 FV ₈ | 1993 03 18.21840 | 12 35 31.45 | +00 08 53.8 | 17.9 | 7 809 | 1993 FL ₉ | 1993 03 23.12188 | 12 29 56.50 | +03 28 39.0 | 17.9 | 7 809 |
| 1993 FV ₈ | 1993 03 23.12188 | 12 31 15.18 | +00 22 46.4 | 17.9 | 7 809 | 1993 FM ₉ | * 1993 03 17.19062 | 12 35 02.68 | +03 37 29.6 | 18.6 | 7 809 |
| 1993 FW ₈ | * 1993 03 17.19062 | 12 37 08.84 | -00 17 08.3 | 16.9 | 7 809 | 1993 FM ₉ | 1993 03 18.21840 | 12 34 02.76 | +03 41 30.1 | 17.9 | 7 809 |
| 1993 FW ₈ | 1993 03 18.21840 | 12 36 22.41 | -00 12 23.0 | 17.9 | 7 809 | 1993 FM ₉ | 1993 03 23.12188 | 12 29 07.89 | +04 00 11.6 | 18.7 | 7 809 |
| 1993 FW ₈ | 1993 03 19.21875 | 12 35 36.68 | -00 07 45.4 | 17.9 | 7 809 | 1993 FN ₉ | * 1993 03 17.19062 | 12 35 04.87 | +01 33 54.9 | 16.9 | 7 809 |
| 1993 FW ₈ | 1993 03 23.12188 | 12 32 34.24 | +00 10 35.9 | 18.7 | 7 809 | 1993 FN ₉ | 1993 03 18.21840 | 12 34 07.43 | +01 38 57.8 | 17.0 | 7 809 |
| 1993 FX ₈ | * 1993 03 17.19062 | 12 33 35.99 | +00 36 34.0 | 16.0 | 7 809 | 1993 FN ₉ | 1993 03 23.12188 | 12 29 25.31 | +02 03 01.4 | 17.9 | 7 809 |
| 1993 FX ₈ | 1993 03 18.13507 | 12 32 54.23 | +00 41 57.7 | 16.9 | 7 809 | 1993 FO ₉ | * 1993 03 17.19062 | 12 35 22.97 | +03 59 38.9 | 17.7 | 7 809 |
| 1993 FX ₈ | 1993 03 18.21840 | 12 32 50.45 | +00 42 27.4 | 17.0 | 7 809 | 1993 FO ₉ | 1993 03 18.21840 | 12 34 32.43 | +04 04 29.5 | 17.9 | 7 809 |
| 1993 FX ₈ | 1993 03 23.12188 | 12 29 07.34 | +01 10 42.3 | 17.0 | 7 809 | 1993 FO ₉ | 1993 03 23.12188 | 12 30 20.85 | +04 27 11.0 | 18.7 | 7 809 |
| 1993 FY ₈ | * 1993 03 17.19062 | 12 33 43.27 | +02 03 11.6 | 17.7 | 7 809 | 1993 FP ₉ | * 1993 03 17.19062 | 12 35 25.62 | +03 59 46.3 | 17.7 | 7 809 |
| 1993 FY ₈ | 1993 03 18.13507 | 12 32 58.79 | +02 07 37.9 | 18.6 | 7 809 | 1993 FP ₉ | 1993 03 18.21840 | 12 34 40.60 | +04 03 55.8 | 18.7 | 7 809 |
| 1993 FY ₈ | 1993 03 18.21840 | 12 32 54.73 | +02 08 03.5 | 17.9 | 7 809 | 1993 FP ₉ | 1993 03 23.12188 | 12 31 00.72 | +04 23 23.8 | 18.7 | 7 809 |
| 1993 FY ₈ | 1993 03 23.12188 | 12 28 56.08 | +02 31 13.3 | 17.9 | 7 809 | 1993 FQ ₉ | * 1993 03 17.19062 | 12 35 32.67 | +00 22 33.5 | 19.4 | 7 809 |
| 1993 FZ ₈ | * 1993 03 17.19062 | 12 33 46.41 | +01 52 31.7 | 17.7 | 7 809 | 1993 FQ ₉ | 1993 03 18.21840 | 12 34 37.88 | +00 26 51.2 | 18.7 | 7 809 |
| 1993 FZ ₈ | 1993 03 18.13507 | 12 33 01.74 | +01 57 47.0 | 17.7 | 7 809 | 1993 FQ ₉ | 1993 03 23.12188 | 12 30 06.53 | +00 47 22.5 | 18.7 | 7 809 |
| 1993 FZ ₈ | 1993 03 18.21840 | 12 32 57.63 | +01 58 16.2 | 17.9 | 7 809 | 1993 FR ₉ | * 1993 03 17.19062 | 12 35 34.02 | +02 49 28.9 | 18.6 | 7 809 |
| 1993 FZ ₈ | 1993 03 23.12188 | 12 28 56.93 | +02 25 49.9 | 17.9 | 7 809 | 1993 FR ₉ | 1993 03 18.21840 | 12 34 47.01 | +02 58 03.7 | 17.9 | 7 809 |
| 1993 FA ₉ | * 1993 03 17.19062 | 12 33 48.73 | +03 42 47.4 | 17.7 | 7 809 | 1993 FR ₉ | 1993 03 23.12188 | 12 30 55.29 | +03 38 57.6 | 18.7 | 7 809 |
| 1993 FA ₉ | 1993 03 18.13507 | 12 33 02.64 | +03 49 54.9 | 18.6 | 7 809 | 1993 FS ₉ | * 1993 03 17.19062 | 12 35 36.33 | +03 38 24.9 | 16.9 | 7 809 |
| 1993 FA ₉ | 1993 03 18.21840 | 12 32 58.41 | +03 50 33.9 | 17.9 | 7 809 | 1993 FS ₉ | 1993 03 18.21840 | 12 34 44.29 | +03 45 59.7 | 17.9 | 7 809 |
| 1993 FA ₉ | 1993 03 23.12188 | 12 28 52.03 | +04 26 47.7 | 18.7 | 7 809 | 1993 FS ₉ | 1993 03 23.12188 | 12 30 28.37 | +04 21 57.1 | 18.7 | 7 809 |
| 1993 FB ₉ | * 1993 03 17.19062 | 12 34 01.36 | +01 40 51.2 | 16.0 | 7 809 | 1993 FT ₉ | * 1993 03 17.19062 | 12 35 40.71 | +02 13 35.2 | 17.7 | 7 809 |
| 1993 FB ₉ | 1993 03 18.21840 | 12 33 18.25 | +01 45 41.4 | 17.0 | 7 809 | 1993 FT ₉ | 1993 03 18.21840 | 12 35 00.09 | +02 25 33.4 | 17.0 | 7 809 |
| 1993 FB ₉ | 1993 03 23.12188 | 12 29 46.59 | +02 08 53.8 | 17.0 | 7 809 | 1993 FT ₉ | 1993 03 23.12188 | 12 31 37.93 | +03 22 51.3 | 17.9 | 7 809 |
| 1993 FC ₉ | * 1993 03 17.19062 | 12 34 11.99 | +01 48 53.1 | 17.7 | 7 809 | 1993 FU ₉ | * 1993 03 17.19062 | 12 35 40.89 | +00 29 18.1 | 18.6 | 7 809 |
| 1993 FC ₉ | 1993 03 18.21840 | 12 33 26.35 | +01 54 32.3 | 17.0 | 7 809 | 1993 FU ₉ | 1993 03 18.21840 | 12 34 57.11 | +00 39 55.3 | 18.7 | 7 809 |
| 1993 FC ₉ | 1993 03 23.12188 | 12 29 42.24 | +02 21 33.3 | 17.9 | 7 809 | 1993 FU ₉ | 1993 03 23.12188 | 12 31 18.99 | +01 31 40.5 | 19.6 | 7 809 |
| 1993 FD ₉ | * 1993 03 17.19062 | 12 34 12.43 | +00 51 36.7 | 16.9 | 7 809 | 1993 FV ₉ | * 1993 03 17.19062 | 12 36 01.25 | +02 39 06.4 | 19.4 | 7 809 |
| 1993 FD ₉ | 1993 03 18.13507 | 12 33 02.06 | +00 49 37.4 | 17.7 | 7 809 | 1993 FV ₉ | 1993 03 18.21840 | 12 35 15.26 | +02 50 31.8 | 17.9 | 7 809 |
| 1993 FD ₉ | 1993 03 18.21840 | 12 32 55.76 | +00 49 27.3 | 17.0 | 7 809 | 1993 FV ₉ | 1993 03 23.12188 | 12 31 30.14 | +03 44 32.2 | 18.7 | 7 809 |
| 1993 FD ₉ | 1993 03 23.12188 | 12 26 46.54 | +00 39 09.3 | 17.9 | 7 809 | 1993 FW ₉ | * 1993 03 17.19062 | 12 36 01.52 | +01 05 56.3 | 16.9 | 7 809 |
| 1993 FE ₉ | * 1993 03 17.19062 | 12 34 16.28 | +03 27 23.0 | 18.6 | 7 809 | 1993 FW ₉ | 1993 03 18.21840 | 12 35 08.28 | +01 11 41.4 | 17.0 | 7 809 |
| 1993 FE ₉ | 1993 03 18.21840 | 12 33 38.47 | +03 35 49.2 | 17.9 | 7 809 | 1993 FW ₉ | 1993 03 23.12188 | 12 30 44.73 | +01 39 24.5 | 17.0 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FX ₉ | * 1993 03 17.19062 | 12 36 20.77 | +02 48 21.5 | 16.0 | 7 809 | 1993 FP ₁₀ | 1993 03 18.21840 | 12 42 52.75 | -00 05 59.2 | 17.9 | 7 809 |
| 1993 FX ₉ | 1993 03 18.21840 | 12 35 29.39 | +02 54 08.7 | 15.3 | 7 809 | 1993 FP ₁₀ | 1993 03 23.20451 | 12 38 28.50 | +00 28 34.5 | 17.0 | 7 809 |
| 1993 FX ₉ | 1993 03 23.12188 | 12 31 16.07 | +03 21 28.8 | 17.0 | 7 809 | 1993 FQ ₁₀ | * 1993 03 17.19062 | 12 44 12.60 | -00 13 21.5 | 16.9 | 7 809 |
| 1993 FY ₉ | * 1993 03 17.19062 | 12 36 41.03 | +00 41 31.7 | 19.4 | 7 809 | 1993 FQ ₁₀ | 1993 03 18.21840 | 12 43 22.35 | -00 10 46.4 | 17.0 | 7 809 |
| 1993 FY ₉ | 1993 03 18.21840 | 12 35 53.48 | +00 47 58.4 | 18.7 | 7 809 | 1993 FQ ₁₀ | 1993 03 23.20451 | 12 39 11.56 | +00 02 01.2 | 17.0 | 7 809 |
| 1993 FY ₉ | 1993 03 23.12188 | 12 31 58.57 | +01 18 48.2 | 20.4 | 7 809 | 1993 FR ₁₀ | * 1993 03 17.19062 | 12 45 06.26 | +00 08 47.8 | 16.0 | 7 809 |
| 1993 FZ ₉ | * 1993 03 17.19062 | 12 36 42.42 | +02 24 23.9 | 18.6 | 7 809 | 1993 FR ₁₀ | 1993 03 18.21840 | 12 44 10.16 | +00 12 47.3 | 16.2 | 7 809 |
| 1993 FZ ₉ | 1993 03 18.21840 | 12 35 54.77 | +02 27 51.3 | 17.9 | 7 809 | 1993 FR ₁₀ | 1993 03 23.20451 | 12 39 25.16 | +00 32 34.1 | 17.0 | 7 809 |
| 1993 FZ ₉ | 1993 03 23.12188 | 12 32 01.38 | +02 44 03.5 | 19.6 | 7 809 | 1993 FS ₁₀ | * 1993 03 19.15104 | 12 26 02.33 | -00 41 47.3 | 17.5 | 7 809 |
| 1993 FA ₁₀ | * 1993 03 17.19062 | 12 36 46.23 | +01 22 46.7 | 17.7 | 7 809 | 1993 FS ₁₀ | 1993 03 20.15382 | 12 25 12.92 | -00 33 30.7 | 17.0 | 7 809 |
| 1993 FA ₁₀ | 1993 03 18.21840 | 12 35 54.40 | +01 26 18.0 | 17.9 | 7 809 | 1993 FS ₁₀ | 1993 03 23.12188 | 12 22 44.51 | -00 08 50.3 | 17.0 | 7 809 |
| 1993 FA ₁₀ | 1993 03 23.12188 | 12 31 35.78 | +01 43 12.2 | 17.9 | 7 809 | 1993 FT ₁₀ | * 1993 03 19.15104 | 12 28 23.42 | -00 28 37.9 | 18.4 | 7 809 |
| 1993 FB ₁₀ | * 1993 03 17.19062 | 12 37 21.04 | +01 10 16.2 | 16.9 | 7 809 | 1993 FT ₁₀ | 1993 03 20.15382 | 12 27 39.07 | -00 21 12.9 | 18.7 | 7 809 |
| 1993 FB ₁₀ | 1993 03 18.21840 | 12 36 29.27 | +01 16 44.3 | 17.9 | 7 809 | 1993 FT ₁₀ | 1993 03 23.12188 | 12 25 25.36 | +00 00 52.9 | 18.7 | 7 809 |
| 1993 FB ₁₀ | 1993 03 23.12188 | 12 32 15.81 | +01 47 43.7 | 17.9 | 7 809 | 1993 FU ₁₀ | * 1993 03 19.15104 | 12 30 30.73 | -00 26 13.7 | 17.5 | 7 809 |
| 1993 FC ₁₀ | * 1993 03 17.19062 | 12 37 30.02 | +04 13 19.0 | 16.9 | 7 809 | 1993 FU ₁₀ | 1993 03 20.15382 | 12 29 27.94 | -00 23 00.8 | 17.0 | 7 809 |
| 1993 FC ₁₀ | 1993 03 18.21840 | 12 36 35.32 | +04 16 02.2 | 17.0 | 7 809 | 1993 FU ₁₀ | 1993 03 23.12188 | 12 26 19.46 | -00 13 24.4 | 17.0 | 7 809 |
| 1993 FC ₁₀ | 1993 03 23.12188 | 12 32 05.25 | +04 28 33.9 | 17.9 | 7 809 | 1993 FV ₁₀ | * 1993 03 19.15104 | 12 32 45.33 | -00 27 18.0 | 17.5 | 7 809 |
| 1993 FD ₁₀ | * 1993 03 17.19062 | 12 37 44.32 | +01 58 34.3 | 19.4 | 7 809 | 1993 FV ₁₀ | 1993 03 20.15382 | 12 31 57.97 | -00 20 23.2 | 16.2 | 7 809 |
| 1993 FD ₁₀ | 1993 03 18.21840 | 12 36 44.35 | +02 04 01.1 | 18.7 | 7 809 | 1993 FV ₁₀ | 1993 03 23.12188 | 12 29 34.15 | +00 00 18.1 | 17.0 | 7 809 |
| 1993 FD ₁₀ | 1993 03 23.12188 | 12 31 51.40 | +02 29 41.2 | 20.4 | 7 809 | 1993 FW ₁₀ | * 1993 03 19.21875 | 12 34 49.47 | -00 40 46.8 | 17.9 | 7 809 |
| 1993 FE ₁₀ | * 1993 03 17.19062 | 12 38 03.25 | +02 33 19.8 | 18.6 | 7 809 | 1993 FW ₁₀ | 1993 03 20.23368 | 12 34 03.33 | -00 33 17.0 | 19.0 | 7 809 |
| 1993 FE ₁₀ | 1993 03 18.21840 | 12 37 08.86 | +02 40 15.3 | 18.7 | 7 809 | 1993 FW ₁₀ | 1993 03 23.12188 | 12 31 48.19 | -00 11 42.9 | 17.9 | 7 809 |
| 1993 FE ₁₀ | 1993 03 23.12188 | 12 32 40.84 | +03 13 06.6 | 18.7 | 7 809 | 1993 FX ₁₀ | * 1993 03 19.21875 | 12 34 53.63 | -00 21 16.4 | 17.9 | 7 809 |
| 1993 FF ₁₀ | * 1993 03 17.19062 | 12 38 18.91 | +00 05 07.7 | 16.9 | 7 809 | 1993 FX ₁₀ | 1993 03 20.23368 | 12 34 12.58 | -00 15 23.0 | 18.1 | 7 809 |
| 1993 FF ₁₀ | 1993 03 18.21840 | 12 37 30.89 | +00 12 35.5 | 17.9 | 7 809 | 1993 FX ₁₀ | 1993 03 23.12188 | 12 32 14.11 | +00 01 30.4 | 18.7 | 7 809 |
| 1993 FF ₁₀ | 1993 03 23.20451 | 12 33 24.17 | +00 49 45.4 | 17.8 | 7 809 | 1993 FY ₁₀ | * 1993 03 19.21875 | 12 34 59.63 | -00 42 32.1 | 17.0 | 7 809 |
| 1993 FG ₁₀ | * 1993 03 17.19062 | 12 38 32.09 | +01 16 04.5 | 18.6 | 7 809 | 1993 FY ₁₀ | 1993 03 20.23368 | 12 34 13.90 | -00 32 19.3 | 17.3 | 7 809 |
| 1993 FG ₁₀ | 1993 03 18.21840 | 12 37 29.75 | +01 20 21.1 | 17.9 | 7 809 | 1993 FY ₁₀ | 1993 03 23.12188 | 12 31 59.36 | -00 02 44.2 | 17.9 | 7 809 |
| 1993 FG ₁₀ | 1993 03 23.12188 | 12 32 25.35 | +01 40 37.6 | 17.9 | 7 809 | 1993 FZ ₁₀ | * 1993 03 17.19062 | 12 37 46.15 | +00 36 59.1 | 17.7 | 7 809 |
| 1993 FH ₁₀ | * 1993 03 17.19062 | 12 39 28.60 | +00 12 21.5 | 16.9 | 7 809 | 1993 FZ ₁₀ | 1993 03 18.21840 | 12 37 03.29 | +00 43 50.0 | 18.7 | 7 809 |
| 1993 FH ₁₀ | 1993 03 18.21840 | 12 38 42.03 | +00 21 46.5 | 17.0 | 7 809 | 1993 FZ ₁₀ | 1993 03 23.20451 | 12 33 30.13 | +01 17 06.4 | 18.6 | 7 809 |
| 1993 FH ₁₀ | 1993 03 23.20451 | 12 34 47.11 | +01 07 33.0 | 17.0 | 7 809 | 1993 FA ₁₁ | * 1993 03 17.19062 | 12 38 21.27 | +02 28 50.5 | 16.0 | 7 809 |
| 1993 FJ ₁₀ | * 1993 03 17.19062 | 12 39 41.88 | +00 05 15.2 | 16.0 | 7 809 | 1993 FA ₁₁ | 1993 03 18.21840 | 12 37 39.90 | +02 41 36.1 | 16.2 | 7 809 |
| 1993 FJ ₁₀ | 1993 03 18.21840 | 12 38 55.38 | +00 10 08.5 | 16.2 | 7 809 | 1993 FA ₁₁ | 1993 03 23.20451 | 12 34 07.34 | +03 43 27.6 | 16.1 | 7 809 |
| 1993 FJ ₁₀ | 1993 03 23.20451 | 12 35 02.70 | +00 34 07.6 | 16.1 | 7 809 | 1993 FB ₁₁ | * 1993 03 17.19062 | 12 38 36.30 | +01 28 51.0 | 17.7 | 7 809 |
| 1993 FK ₁₀ | * 1993 03 17.19062 | 12 39 58.33 | +00 00 12.3 | 16.9 | 7 809 | 1993 FB ₁₁ | 1993 03 18.21840 | 12 37 52.26 | +01 33 17.3 | 17.9 | 7 809 |
| 1993 FK ₁₀ | 1993 03 18.21840 | 12 38 57.70 | +00 03 08.1 | 17.0 | 7 809 | 1993 FB ₁₁ | 1993 03 23.20451 | 12 34 11.60 | +01 54 46.3 | 17.8 | 7 809 |
| 1993 FK ₁₀ | 1993 03 23.20451 | 12 33 51.45 | +00 17 44.0 | 17.0 | 7 809 | 1993 FC ₁₁ | * 1993 03 17.19062 | 12 38 42.24 | +00 31 08.1 | 18.6 | 7 809 |
| 1993 FL ₁₀ | * 1993 03 17.19062 | 12 40 31.91 | -00 15 35.0 | 19.4 | 7 809 | 1993 FC ₁₁ | 1993 03 18.21840 | 12 37 56.71 | +00 37 59.2 | 17.9 | 7 809 |
| 1993 FL ₁₀ | 1993 03 18.21840 | 12 39 50.78 | -00 03 18.9 | 17.9 | 7 809 | 1993 FC ₁₁ | 1993 03 23.20451 | 12 34 08.48 | +01 11 25.4 | 18.6 | 7 809 |
| 1993 FL ₁₀ | 1993 03 23.20451 | 12 36 20.90 | +00 57 01.2 | 17.8 | 7 809 | 1993 FD ₁₁ | * 1993 03 17.19062 | 12 39 18.46 | +00 43 41.9 | 17.7 | 7 809 |
| 1993 FM ₁₀ | * 1993 03 17.19062 | 12 42 51.57 | -00 01 04.4 | 16.9 | 7 809 | 1993 FD ₁₁ | 1993 03 18.21840 | 12 38 34.81 | +00 49 19.8 | 17.9 | 7 809 |
| 1993 FM ₁₀ | 1993 03 18.21840 | 12 42 01.47 | +00 04 30.7 | 17.0 | 7 809 | 1993 FD ₁₁ | 1993 03 23.20451 | 12 34 56.87 | +01 16 52.9 | 17.8 | 7 809 |
| 1993 FM ₁₀ | 1993 03 23.20451 | 12 37 45.32 | +00 32 15.0 | 17.0 | 7 809 | 1993 FE ₁₁ | * 1993 03 17.19062 | 12 39 29.79 | +02 31 47.2 | 17.7 | 7 809 |
| 1993 FN ₁₀ | * 1993 03 17.19062 | 12 43 31.49 | +00 04 03.9 | 16.9 | 7 809 | 1993 FE ₁₁ | 1993 03 18.21840 | 12 38 41.99 | +02 36 58.4 | 17.9 | 7 809 |
| 1993 FN ₁₀ | 1993 03 18.21840 | 12 42 46.51 | +00 09 03.2 | 17.0 | 7 809 | 1993 FE ₁₁ | 1993 03 23.20451 | 12 34 43.06 | +03 01 57.7 | 17.0 | 7 809 |
| 1993 FN ₁₀ | 1993 03 23.20451 | 12 39 00.94 | +00 33 35.8 | 17.0 | 7 809 | 1993 FF ₁₁ | * 1993 03 17.19062 | 12 39 32.24 | +01 01 46.4 | 17.7 | 7 809 |
| 1993 FO ₁₀ | * 1993 03 17.19062 | 12 43 38.00 | -00 06 41.0 | 16.9 | 7 809 | 1993 FF ₁₁ | 1993 03 18.21840 | 12 38 50.41 | +01 09 28.1 | 17.0 | 7 809 |
| 1993 FO ₁₀ | 1993 03 18.21840 | 12 42 59.66 | +00 03 37.8 | 17.0 | 7 809 | 1993 FF ₁₁ | 1993 03 23.20451 | 12 35 20.50 | +01 46 50.9 | 17.0 | 7 809 |
| 1993 FO ₁₀ | 1993 03 23.20451 | 12 39 46.95 | +00 53 49.6 | 17.0 | 7 809 | 1993 FG ₁₁ | * 1993 03 17.19062 | 12 39 36.42 | +02 10 17.6 | 18.6 | 7 809 |
| 1993 FP ₁₀ | * 1993 03 17.19062 | 12 43 45.46 | -00 13 03.8 | 17.7 | 7 809 | 1993 FG ₁₁ | 1993 03 18.21840 | 12 38 52.13 | +02 17 35.0 | 18.7 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FG ₁₁ | 1993 03 23.20451 | 12 35 08.17 | +02 53 01.6 | 17.8 | 7 809 | 1993 FZ ₁₁ | * 1993 03 17.19062 | 12 45 37.05 | +02 19 01.8 | 17.7 | 7 809 |
| 1993 FH ₁₁ | * 1993 03 17.19062 | 12 41 11.45 | +00 42 52.7 | 16.9 | 7 809 | 1993 FZ ₁₁ | 1993 03 18.21840 | 12 44 41.20 | +02 24 47.6 | 17.9 | 7 809 |
| 1993 FH ₁₁ | 1993 03 18.21840 | 12 40 12.16 | +00 46 07.2 | 16.2 | 7 809 | 1993 FZ ₁₁ | 1993 03 23.20451 | 12 39 59.77 | +02 52 41.5 | 17.8 | 7 809 |
| 1993 FH ₁₁ | 1993 03 23.20451 | 12 35 16.30 | +01 01 50.5 | 17.0 | 7 809 | 1993 FA ₁₂ | * 1993 03 17.19062 | 12 46 13.66 | +00 14 35.7 | 17.7 | 7 809 |
| 1993 FJ ₁₁ | * 1993 03 17.19062 | 12 41 17.47 | +01 30 22.2 | 16.0 | 7 809 | 1993 FA ₁₂ | 1993 03 18.21840 | 12 45 32.21 | +00 20 34.9 | 17.9 | 7 809 |
| 1993 FJ ₁₁ | 1993 03 18.21840 | 12 40 33.20 | +01 40 03.4 | 16.2 | 7 809 | 1993 FA ₁₂ | 1993 03 23.20451 | 12 42 04.02 | +00 49 44.8 | 17.8 | 7 809 |
| 1993 FJ ₁₁ | 1993 03 23.20451 | 12 36 48.12 | +02 27 41.7 | 17.0 | 7 809 | 1993 FB ₁₂ | * 1993 03 17.19062 | 12 46 30.99 | -00 05 55.3 | 19.4 | 7 809 |
| 1993 FK ₁₁ | * 1993 03 17.19062 | 12 41 18.80 | +00 34 37.6 | 17.7 | 7 809 | 1993 FB ₁₂ | 1993 03 18.21840 | 12 45 35.04 | +00 00 19.6 | 17.9 | 7 809 |
| 1993 FK ₁₁ | 1993 03 18.21840 | 12 40 31.44 | +00 41 21.3 | 17.9 | 7 809 | 1993 FB ₁₂ | 1993 03 23.20451 | 12 40 53.10 | +00 31 04.0 | 18.6 | 7 809 |
| 1993 FK ₁₁ | 1993 03 23.20451 | 12 36 32.10 | +01 14 15.0 | 17.0 | 7 809 | 1993 FC ₁₂ | * 1993 03 17.19062 | 12 46 53.75 | +01 19 51.6 | 18.6 | 7 809 |
| 1993 FL ₁₁ | * 1993 03 17.19062 | 12 41 40.87 | +01 17 47.1 | 18.6 | 7 809 | 1993 FC ₁₂ | 1993 03 18.21840 | 12 46 08.28 | +01 29 57.1 | 17.9 | 7 809 |
| 1993 FL ₁₁ | 1993 03 18.21840 | 12 40 51.41 | +01 23 29.3 | 17.9 | 7 809 | 1993 FC ₁₂ | 1993 03 23.20451 | 12 42 15.37 | +02 18 55.9 | 18.6 | 7 809 |
| 1993 FL ₁₁ | 1993 03 23.20451 | 12 36 38.54 | +01 51 26.0 | 17.0 | 7 809 | 1993 FD ₁₂ | * 1993 03 17.19062 | 12 47 50.45 | +01 05 27.5 | 18.6 | 7 809 |
| 1993 FM ₁₁ | * 1993 03 17.19062 | 12 41 48.91 | +00 55 40.3 | 16.9 | 7 809 | 1993 FD ₁₂ | 1993 03 18.21840 | 12 47 03.87 | +01 13 03.8 | 17.9 | 7 809 |
| 1993 FM ₁₁ | 1993 03 18.21840 | 12 40 47.49 | +00 59 41.5 | 17.0 | 7 809 | 1993 FD ₁₂ | 1993 03 23.20451 | 12 43 07.27 | +01 50 08.7 | 17.8 | 7 809 |
| 1993 FM ₁₁ | 1993 03 23.20451 | 12 35 39.71 | +01 19 06.7 | 17.0 | 7 809 | 1993 FE ₁₂ | * 1993 03 17.19062 | 12 48 09.54 | +01 25 40.4 | 16.0 | 7 809 |
| 1993 FN ₁₁ | * 1993 03 17.19062 | 12 42 05.16 | +01 03 59.9 | 18.6 | 7 809 | 1993 FE ₁₂ | 1993 03 18.21840 | 12 47 16.91 | +01 32 09.6 | 16.2 | 7 809 |
| 1993 FN ₁₁ | 1993 03 18.21840 | 12 41 08.60 | +01 08 49.2 | 18.7 | 7 809 | 1993 FE ₁₂ | 1993 03 23.20451 | 12 42 51.93 | +02 03 32.5 | 17.0 | 7 809 |
| 1993 FN ₁₁ | 1993 03 23.20451 | 12 36 27.98 | +01 32 01.5 | 19.5 | 7 809 | 1993 FF ₁₂ | * 1993 03 17.19062 | 12 48 30.67 | +01 22 53.9 | 16.9 | 7 809 |
| 1993 FO ₁₁ | * 1993 03 17.19062 | 12 42 09.36 | +01 12 20.6 | 17.7 | 7 809 | 1993 FF ₁₂ | 1993 03 18.21840 | 12 47 44.99 | +01 25 39.8 | 17.0 | 7 809 |
| 1993 FO ₁₁ | 1993 03 18.21840 | 12 41 25.15 | +01 20 25.8 | 17.0 | 7 809 | 1993 FF ₁₂ | 1993 03 23.20451 | 12 43 55.86 | +01 39 00.8 | 17.8 | 7 809 |
| 1993 FO ₁₁ | 1993 03 23.20451 | 12 37 41.82 | +01 59 51.1 | 17.0 | 7 809 | 1993 FG ₁₂ | * 1993 03 17.19062 | 12 48 33.68 | -00 16 32.3 | 16.9 | 7 809 |
| 1993 FP ₁₁ | * 1993 03 17.19062 | 12 42 18.38 | +00 28 37.8 | 17.7 | 7 809 | 1993 FG ₁₂ | 1993 03 18.21840 | 12 47 55.68 | -00 07 15.6 | 17.0 | 7 809 |
| 1993 FP ₁₁ | 1993 03 18.21840 | 12 41 33.21 | +00 33 37.4 | 17.0 | 7 809 | 1993 FG ₁₂ | 1993 03 23.20451 | 12 44 44.19 | +00 38 02.8 | 17.0 | 7 809 |
| 1993 FP ₁₁ | 1993 03 23.20451 | 12 37 46.48 | +00 57 58.0 | 17.0 | 7 809 | 1993 FH ₁₂ | * 1993 03 17.19062 | 12 48 34.75 | +01 19 03.5 | 16.9 | 7 809 |
| 1993 FQ ₁₁ | * 1993 03 17.19062 | 12 42 28.61 | +01 19 02.2 | 18.6 | 7 809 | 1993 FH ₁₂ | 1993 03 18.21840 | 12 47 49.08 | +01 25 36.8 | 17.0 | 7 809 |
| 1993 FQ ₁₁ | 1993 03 18.21840 | 12 41 37.26 | +01 25 57.6 | 17.0 | 7 809 | 1993 FH ₁₂ | 1993 03 23.20451 | 12 43 52.59 | +01 57 38.5 | 17.0 | 7 809 |
| 1993 FQ ₁₁ | 1993 03 23.20451 | 12 37 18.11 | +01 59 42.8 | 17.8 | 7 809 | 1993 FJ ₁₂ | * 1993 03 17.19062 | 12 48 49.06 | +00 22 56.9 | 17.7 | 7 809 |
| 1993 FR ₁₁ | * 1993 03 17.19062 | 12 42 33.75 | +00 42 55.9 | 16.9 | 7 809 | 1993 FJ ₁₂ | 1993 03 18.21840 | 12 48 02.74 | +00 26 53.5 | 17.9 | 7 809 |
| 1993 FR ₁₁ | 1993 03 18.21840 | 12 41 49.93 | +00 53 37.4 | 17.0 | 7 809 | 1993 FJ ₁₂ | 1993 03 23.20451 | 12 44 02.03 | +00 46 32.4 | 17.8 | 7 809 |
| 1993 FR ₁₁ | 1993 03 23.20451 | 12 38 07.60 | +01 46 01.4 | 17.0 | 7 809 | 1993 FK ₁₂ | * 1993 03 17.19062 | 12 49 35.58 | +00 46 49.4 | 16.9 | 7 809 |
| 1993 FS ₁₁ | * 1993 03 17.19062 | 12 43 08.11 | +00 28 59.3 | 16.9 | 7 809 | 1993 FK ₁₂ | 1993 03 18.21840 | 12 48 42.26 | +00 51 43.8 | 17.9 | 7 809 |
| 1993 FS ₁₁ | 1993 03 18.21840 | 12 42 19.37 | +00 38 27.6 | 17.0 | 7 809 | 1993 FK ₁₂ | 1993 03 23.20451 | 12 44 16.20 | +01 15 28.2 | 17.8 | 7 809 |
| 1993 FS ₁₁ | 1993 03 23.20451 | 12 38 12.75 | +01 24 39.7 | 16.1 | 7 809 | 1993 FL ₁₂ | * 1993 03 17.19062 | 12 50 01.32 | +01 50 46.7 | 19.4 | 7 809 |
| 1993 FT ₁₁ | * 1993 03 17.19062 | 12 43 10.41 | +01 27 05.2 | 16.9 | 7 809 | 1993 FL ₁₂ | 1993 03 18.21840 | 12 49 17.52 | +01 55 33.0 | 18.7 | 7 809 |
| 1993 FT ₁₁ | 1993 03 18.21840 | 12 42 15.59 | +01 29 46.6 | 16.2 | 7 809 | 1993 FL ₁₂ | 1993 03 23.20451 | 12 45 37.77 | +02 18 31.7 | 18.6 | 7 809 |
| 1993 FT ₁₁ | 1993 03 23.20451 | 12 37 42.76 | +01 42 42.3 | 17.0 | 7 809 | 1993 FM ₁₂ | * 1993 03 17.19062 | 12 50 13.64 | +00 20 15.1 | 17.7 | 7 809 |
| 1993 FU ₁₁ | * 1993 03 17.19062 | 12 44 32.33 | +01 16 25.7 | 16.9 | 7 809 | 1993 FM ₁₂ | 1993 03 18.21840 | 12 49 25.23 | +00 24 15.0 | 18.7 | 7 809 |
| 1993 FU ₁₁ | 1993 03 18.21840 | 12 43 45.51 | +01 23 02.7 | 17.0 | 7 809 | 1993 FM ₁₂ | 1993 03 23.20451 | 12 45 20.69 | +00 43 56.9 | 18.6 | 7 809 |
| 1993 FU ₁₁ | 1993 03 23.20451 | 12 39 48.35 | +01 55 23.7 | 17.0 | 7 809 | 1993 FN ₁₂ | * 1993 03 17.19062 | 12 50 39.67 | +00 52 35.9 | 16.9 | 7 809 |
| 1993 FV ₁₁ | * 1993 03 17.19062 | 12 44 59.57 | +01 25 07.6 | 16.9 | 7 809 | 1993 FN ₁₂ | 1993 03 18.21840 | 12 49 57.61 | +00 56 38.7 | 17.0 | 7 809 |
| 1993 FV ₁₁ | 1993 03 18.21840 | 12 44 08.49 | +01 31 18.5 | 16.2 | 7 809 | 1993 FN ₁₂ | 1993 03 23.20451 | 12 46 24.65 | +01 16 27.4 | 17.0 | 7 809 |
| 1993 FV ₁₁ | 1993 03 23.20451 | 12 39 52.75 | +02 01 11.9 | 17.0 | 7 809 | 1993 FO ₁₂ | * 1993 03 17.19062 | 12 50 44.84 | +01 20 08.3 | 16.0 | 7 809 |
| 1993 FW ₁₁ | * 1993 03 17.19062 | 12 45 01.08 | +01 27 27.3 | 17.7 | 7 809 | 1993 FO ₁₂ | 1993 03 18.21840 | 12 49 52.57 | +01 24 41.7 | 16.2 | 7 809 |
| 1993 FW ₁₁ | 1993 03 18.21840 | 12 44 07.02 | +01 35 28.0 | 17.9 | 7 809 | 1993 FO ₁₂ | 1993 03 23.20451 | 12 45 23.26 | +01 47 01.6 | 16.1 | 7 809 |
| 1993 FW ₁₁ | 1993 03 23.20451 | 12 39 31.74 | +02 14 50.4 | 17.8 | 7 809 | 1993 FP ₁₂ | * 1993 03 17.19062 | 12 51 21.87 | -00 16 39.0 | 16.9 | 7 809 |
| 1993 FX ₁₁ | * 1993 03 17.19062 | 12 45 13.62 | +01 32 02.6 | 16.9 | 7 809 | 1993 FP ₁₂ | 1993 03 18.21840 | 12 50 37.09 | -00 07 36.3 | 17.0 | 7 809 |
| 1993 FX ₁₁ | 1993 03 18.21840 | 12 44 18.29 | +01 35 51.7 | 17.0 | 7 809 | 1993 FP ₁₂ | 1993 03 23.20451 | 12 46 50.23 | +00 36 30.8 | 17.0 | 7 809 |
| 1993 FX ₁₁ | 1993 03 23.20451 | 12 39 35.67 | +01 54 26.2 | 17.0 | 7 809 | 1993 FQ ₁₂ | * 1993 03 17.19062 | 12 51 31.70 | +00 56 06.7 | 16.0 | 7 809 |
| 1993 FY ₁₁ | * 1993 03 17.19062 | 12 45 26.12 | -00 03 08.9 | 16.9 | 7 809 | 1993 FQ ₁₂ | 1993 03 18.21840 | 12 50 45.70 | +01 02 55.3 | 16.2 | 7 809 |
| 1993 FY ₁₁ | 1993 03 18.21840 | 12 44 30.94 | +00 00 37.9 | 17.0 | 7 809 | 1993 FQ ₁₂ | 1993 03 23.20451 | 12 46 47.40 | +01 36 24.9 | 17.0 | 7 809 |
| 1993 FY ₁₁ | 1993 03 23.20451 | 12 39 47.01 | +00 19 31.2 | 17.8 | 7 809 | 1993 FR ₁₂ | * 1993 03 17.19062 | 12 51 56.58 | +01 27 15.9 | 16.0 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FR ₁₂ | 1993 03 18.21840 | 12 51 08.53 | +01 33 31.5 | 16.2 | 7 809 | 1993 FH ₁₃ | 1993 03 18.21840 | 12 38 23.00 | +03 32 22.5 | 16.2 | 7 809 |
| 1993 FR ₁₂ | 1993 03 23.20451 | 12 47 02.38 | +02 03 56.7 | 16.1 | 7 809 | 1993 FH ₁₃ | 1993 03 23.20451 | 12 34 37.91 | +04 07 53.7 | 16.1 | 7 809 |
| 1993 FS ₁₂ | * 1993 03 17.19062 | 12 52 00.26 | +00 00 40.0 | 18.6 | 7 809 | 1993 FJ ₁₃ | * 1993 03 17.19062 | 12 39 26.34 | +03 58 52.4 | 17.7 | 7 809 |
| 1993 FS ₁₂ | 1993 03 18.21840 | 12 51 07.06 | +00 07 32.5 | 17.9 | 7 809 | 1993 FJ ₁₃ | 1993 03 18.21840 | 12 38 37.80 | +04 02 16.3 | 17.9 | 7 809 |
| 1993 FS ₁₂ | 1993 03 23.20451 | 12 46 38.39 | +00 41 05.7 | 17.8 | 7 809 | 1993 FJ ₁₃ | 1993 03 23.20451 | 12 34 36.23 | +04 18 19.2 | 17.8 | 7 809 |
| 1993 FT ₁₂ | * 1993 03 17.19062 | 12 52 11.52 | +00 39 48.1 | 17.7 | 7 809 | 1993 FK ₁₃ | * 1993 03 17.19062 | 12 39 40.11 | +03 50 03.7 | 16.9 | 7 809 |
| 1993 FT ₁₂ | 1993 03 18.21840 | 12 51 24.73 | +00 45 18.0 | 17.9 | 7 809 | 1993 FK ₁₃ | 1993 03 18.21840 | 12 38 42.30 | +03 54 50.0 | 17.0 | 7 809 |
| 1993 FT ₁₂ | 1993 03 23.20451 | 12 47 26.97 | +01 12 19.6 | 17.8 | 7 809 | 1993 FK ₁₃ | 1993 03 23.20451 | 12 33 51.34 | +04 17 34.8 | 17.0 | 7 809 |
| 1993 FU ₁₂ | * 1993 03 17.19062 | 12 52 12.94 | +01 01 23.9 | 18.6 | 7 809 | 1993 FL ₁₃ | * 1993 03 17.19062 | 12 40 36.60 | +03 12 40.6 | 17.7 | 7 809 |
| 1993 FU ₁₂ | 1993 03 18.21840 | 12 51 32.95 | +01 08 55.0 | 18.7 | 7 809 | 1993 FL ₁₃ | 1993 03 18.21840 | 12 39 43.76 | +03 16 01.9 | 17.0 | 7 809 |
| 1993 FU ₁₂ | 1993 03 23.20451 | 12 48 03.95 | +01 45 57.9 | 18.6 | 7 809 | 1993 FL ₁₃ | 1993 03 23.20451 | 12 35 19.60 | +03 32 05.4 | 17.8 | 7 809 |
| 1993 FV ₁₂ | * 1993 03 17.19062 | 12 52 20.78 | +01 18 10.5 | 17.7 | 7 809 | 1993 FM ₁₃ | * 1993 03 17.19062 | 12 40 43.95 | +01 30 11.8 | 18.6 | 7 809 |
| 1993 FV ₁₂ | 1993 03 18.21840 | 12 51 43.53 | +01 30 01.1 | 17.9 | 7 809 | 1993 FM ₁₃ | 1993 03 18.21840 | 12 39 55.50 | +01 35 08.2 | 18.7 | 7 809 |
| 1993 FV ₁₂ | 1993 03 23.20451 | 12 48 28.45 | +02 28 38.4 | 17.8 | 7 809 | 1993 FM ₁₃ | 1993 03 23.20451 | 12 35 54.04 | +01 59 07.4 | 19.5 | 7 809 |
| 1993 FW ₁₂ | * 1993 03 17.19062 | 12 52 48.07 | +00 06 35.1 | 17.7 | 7 809 | 1993 FN ₁₃ | * 1993 03 17.19062 | 12 41 46.32 | +01 45 05.5 | 19.4 | 7 809 |
| 1993 FW ₁₂ | 1993 03 18.21840 | 12 51 57.91 | +00 15 55.1 | 18.7 | 7 809 | 1993 FN ₁₃ | 1993 03 18.21840 | 12 40 58.94 | +01 54 13.1 | 18.7 | 7 809 |
| 1993 FW ₁₂ | 1993 03 23.20451 | 12 47 42.45 | +01 01 37.6 | 17.8 | 7 809 | 1993 FN ₁₃ | 1993 03 23.20451 | 12 36 57.96 | +02 38 45.1 | 17.8 | 7 809 |
| 1993 FX ₁₂ | * 1993 03 17.19062 | 12 53 16.93 | +01 48 45.3 | 17.7 | 7 809 | 1993 FO ₁₃ | * 1993 03 17.19062 | 12 41 50.71 | +04 40 25.8 | 17.7 | 7 809 |
| 1993 FX ₁₂ | 1993 03 18.21840 | 12 52 28.04 | +01 54 26.1 | 17.0 | 7 809 | 1993 FO ₁₃ | 1993 03 18.21840 | 12 41 03.78 | +04 44 16.0 | 17.0 | 7 809 |
| 1993 FX ₁₂ | 1993 03 23.20451 | 12 48 18.56 | +02 22 03.1 | 17.8 | 7 809 | 1993 FO ₁₃ | 1993 03 23.20451 | 12 37 10.01 | +05 02 22.9 | 17.8 | 7 809 |
| 1993 FY ₁₂ | * 1993 03 17.19062 | 12 53 45.91 | +00 15 08.9 | 15.2 | 7 809 | 1993 FP ₁₃ | * 1993 03 17.19062 | 12 41 59.34 | +04 24 25.8 | 17.7 | 7 809 |
| 1993 FY ₁₂ | 1993 03 17.27465 | 12 53 42.95 | +00 15 50.9 | 16.2 | 7 809 | 1993 FP ₁₃ | 1993 03 18.21840 | 12 40 59.34 | +04 28 21.7 | 17.9 | 7 809 |
| 1993 FY ₁₂ | 1993 03 18.21840 | 12 53 07.14 | +00 23 45.7 | 16.2 | 7 809 | 1993 FP ₁₃ | 1993 03 23.20451 | 12 35 58.43 | +04 46 45.1 | 17.8 | 7 809 |
| 1993 FY ₁₂ | 1993 03 23.20451 | 12 49 48.40 | +01 06 03.3 | 16.1 | 7 809 | 1993 FQ ₁₃ | * 1993 03 17.19062 | 12 42 13.97 | +04 14 42.8 | 18.6 | 7 809 |
| 1993 FZ ₁₂ | * 1993 03 17.19062 | 12 53 50.70 | +00 48 25.6 | 16.9 | 7 809 | 1993 FQ ₁₃ | 1993 03 18.21840 | 12 41 29.33 | +04 20 00.6 | 18.7 | 7 809 |
| 1993 FZ ₁₂ | 1993 03 17.27465 | 12 53 47.14 | +00 48 57.2 | 17.0 | 7 809 | 1993 FQ ₁₃ | 1993 03 23.20451 | 12 37 45.07 | +04 45 21.2 | 18.6 | 7 809 |
| 1993 FZ ₁₂ | 1993 03 18.21840 | 12 53 05.83 | +00 55 04.8 | 16.2 | 7 809 | 1993 FR ₁₃ | * 1993 03 17.19062 | 12 42 15.20 | +03 58 50.7 | 16.9 | 7 809 |
| 1993 FZ ₁₂ | 1993 03 23.20451 | 12 49 17.85 | +01 27 39.7 | 17.0 | 7 809 | 1993 FR ₁₃ | 1993 03 18.21840 | 12 41 17.34 | +04 03 29.5 | 17.0 | 7 809 |
| 1993 FA ₁₃ | * 1993 03 21.30174 | 13 10 17.17 | -06 16 25.4 | 18.6 | 7 809 | 1993 FR ₁₃ | 1993 03 23.20451 | 12 36 27.40 | +04 25 28.2 | 17.0 | 7 809 |
| 1993 FA ₁₃ | 1993 03 22.29549 | 13 09 36.12 | -06 11 31.6 | 17.9 | 7 809 | 1993 FS ₁₃ | * 1993 03 17.19062 | 12 42 23.30 | +03 40 14.4 | 16.9 | 7 809 |
| 1993 FA ₁₃ | 1993 03 26.32604 | 13 06 42.53 | -05 50 57.9 | 18.7 | 7 809 | 1993 FS ₁₃ | 1993 03 18.21840 | 12 41 26.12 | +03 45 39.9 | 17.0 | 7 809 |
| 1993 FA ₁₃ | 1993 03 27.25452 | 13 06 01.43 | -05 46 06.1 | 18.7 | 7 809 | 1993 FS ₁₃ | 1993 03 23.20451 | 12 36 37.02 | +04 11 44.2 | 17.0 | 7 809 |
| 1993 FB ₁₃ | * 1993 03 17.19062 | 12 38 06.93 | +03 27 41.3 | 18.6 | 7 809 | 1993 FT ₁₃ | * 1993 03 17.19062 | 12 42 36.36 | +02 58 44.2 | 18.6 | 7 809 |
| 1993 FB ₁₃ | 1993 03 18.21840 | 12 37 15.19 | +03 33 30.9 | 17.9 | 7 809 | 1993 FT ₁₃ | 1993 03 18.21840 | 12 41 53.71 | +03 05 32.2 | 18.7 | 7 809 |
| 1993 FB ₁₃ | 1993 03 23.21288 | 12 33 00.89 | +04 00 57.4 | 18.7 | 7 809 | 1993 FT ₁₃ | 1993 03 23.20451 | 12 38 19.28 | +03 38 29.2 | 18.6 | 7 809 |
| 1993 FB ₁₃ | 1993 03 23.20451 | 12 32 56.53 | +04 01 25.8 | 17.8 | 7 809 | 1993 FU ₁₃ | * 1993 03 17.19062 | 12 42 36.92 | +03 02 35.3 | 16.0 | 7 809 |
| 1993 FC ₁₃ | * 1993 03 17.19062 | 12 38 29.44 | +02 55 33.3 | 16.0 | 7 809 | 1993 FU ₁₃ | 1993 03 18.21840 | 12 41 37.64 | +03 08 52.1 | 16.2 | 7 809 |
| 1993 FC ₁₃ | 1993 03 18.21840 | 12 37 39.42 | +03 01 46.0 | 16.2 | 7 809 | 1993 FU ₁₃ | 1993 03 23.20451 | 12 36 41.07 | +03 38 47.3 | 16.1 | 7 809 |
| 1993 FC ₁₃ | 1993 03 23.20451 | 12 33 25.75 | +03 31 32.6 | 16.1 | 7 809 | 1993 FV ₁₃ | * 1993 03 17.19062 | 12 42 38.08 | +03 39 59.6 | 16.9 | 7 809 |
| 1993 FD ₁₃ | * 1993 03 17.19062 | 12 38 36.72 | +04 21 29.6 | 16.9 | 7 809 | 1993 FV ₁₃ | 1993 03 18.21840 | 12 41 41.50 | +03 42 32.3 | 17.0 | 7 809 |
| 1993 FD ₁₃ | 1993 03 18.21840 | 12 37 52.42 | +04 25 56.1 | 17.0 | 7 809 | 1993 FV ₁₃ | 1993 03 23.20451 | 12 36 58.69 | +03 54 30.6 | 17.0 | 7 809 |
| 1993 FD ₁₃ | 1993 03 23.20451 | 12 34 09.43 | +04 47 06.3 | 17.0 | 7 809 | 1993 FW ₁₃ | * 1993 03 17.19062 | 12 42 57.52 | +02 57 08.1 | 18.6 | 7 809 |
| 1993 FE ₁₃ | * 1993 03 17.19062 | 12 38 42.53 | +02 57 44.8 | 16.9 | 7 809 | 1993 FW ₁₃ | 1993 03 18.21840 | 12 42 03.77 | +03 03 14.6 | 18.7 | 7 809 |
| 1993 FE ₁₃ | 1993 03 18.21840 | 12 37 52.53 | +03 02 14.7 | 17.0 | 7 809 | 1993 FW ₁₃ | 1993 03 23.20451 | 12 37 33.65 | +03 32 15.6 | 18.6 | 7 809 |
| 1993 FE ₁₃ | 1993 03 23.20451 | 12 33 42.91 | +03 23 44.0 | 17.0 | 7 809 | 1993 FX ₁₃ | * 1993 03 17.19062 | 12 43 04.08 | +01 28 33.4 | 19.4 | 7 809 |
| 1993 FF ₁₃ | * 1993 03 17.19062 | 12 38 44.67 | +03 40 15.3 | 19.4 | 7 809 | 1993 FX ₁₃ | 1993 03 18.21840 | 12 42 11.49 | +01 37 05.2 | 18.7 | 7 809 |
| 1993 FF ₁₃ | 1993 03 18.21840 | 12 37 47.67 | +03 45 24.7 | 18.7 | 7 809 | 1993 FX ₁₃ | 1993 03 23.20451 | 12 37 45.34 | +02 18 35.7 | 18.6 | 7 809 |
| 1993 FF ₁₃ | 1993 03 23.20451 | 12 33 01.27 | +04 10 03.5 | 19.5 | 7 809 | 1993 FY ₁₃ | * 1993 03 17.19062 | 12 43 37.21 | +03 12 55.3 | 16.0 | 7 809 |
| 1993 FG ₁₃ | * 1993 03 17.19062 | 12 38 48.88 | +02 41 46.1 | 19.4 | 7 809 | 1993 FY ₁₃ | 1993 03 18.21840 | 12 42 55.95 | +03 20 44.7 | 17.0 | 7 809 |
| 1993 FG ₁₃ | 1993 03 18.21840 | 12 38 02.54 | +02 48 20.4 | 19.6 | 7 809 | 1993 FY ₁₃ | 1993 03 23.20451 | 12 39 29.09 | +03 58 28.2 | 17.0 | 7 809 |
| 1993 FG ₁₃ | 1993 03 23.20451 | 12 34 10.16 | +03 19 49.6 | 18.6 | 7 809 | 1993 FZ ₁₃ | * 1993 03 17.19062 | 12 43 43.09 | +04 06 18.3 | 19.4 | 7 809 |
| 1993 FH ₁₃ | * 1993 03 17.19062 | 12 39 07.87 | +03 24 59.2 | 16.0 | 7 809 | 1993 FZ ₁₃ | 1993 03 18.21840 | 12 42 49.31 | +04 12 51.1 | 18.7 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FZ ₁₃ | 1993 03 23.20451 | 12 38 19.53 | +04 44 11.8 | 17.8 | 7 809 | 1993 FS ₁₄ | * 1993 03 17.19062 | 12 48 16.64 | +04 17 38.7 | 16.9 | 7 809 |
| 1993 FA ₁₄ | * 1993 03 17.19062 | 12 43 54.38 | +04 25 00.7 | 18.6 | 7 809 | 1993 FS ₁₄ | 1993 03 18.21840 | 12 47 35.67 | +04 22 58.1 | 17.0 | 7 809 |
| 1993 FA ₁₄ | 1993 03 18.21840 | 12 43 02.14 | +04 28 39.1 | 17.9 | 7 809 | 1993 FS ₁₄ | 1993 03 23.20451 | 12 44 10.99 | +04 48 26.3 | 16.1 | 7 809 |
| 1993 FA ₁₄ | 1993 03 23.20451 | 12 38 41.53 | +04 45 50.9 | 17.8 | 7 809 | 1993 FT ₁₄ | * 1993 03 17.19062 | 12 49 02.51 | +03 13 10.7 | 16.0 | 7 809 |
| 1993 FB ₁₄ | * 1993 03 17.19062 | 12 44 11.49 | +00 55 20.2 | 18.6 | 7 809 | 1993 FT ₁₄ | 1993 03 18.21840 | 12 48 13.87 | +03 21 15.5 | 16.2 | 7 809 |
| 1993 FB ₁₄ | 1993 03 18.21840 | 12 43 21.58 | +01 03 38.8 | 19.6 | 7 809 | 1993 FT ₁₄ | 1993 03 23.20451 | 12 44 08.38 | +03 59 47.6 | 16.1 | 7 809 |
| 1993 FB ₁₄ | 1993 03 23.20451 | 12 39 11.25 | +01 44 05.7 | 18.6 | 7 809 | 1993 FU ₁₄ | * 1993 03 17.19062 | 12 49 07.77 | +04 11 40.5 | 18.6 | 7 809 |
| 1993 FC ₁₄ | * 1993 03 17.19062 | 12 44 11.61 | +03 23 42.6 | 16.9 | 7 809 | 1993 FU ₁₄ | 1993 03 18.21840 | 12 48 26.12 | +04 16 35.2 | 18.7 | 7 809 |
| 1993 FC ₁₄ | 1993 03 18.21840 | 12 43 20.79 | +03 25 49.8 | 17.0 | 7 809 | 1993 FU ₁₄ | 1993 03 23.20451 | 12 44 56.58 | +04 40 09.2 | 17.8 | 7 809 |
| 1993 FC ₁₄ | 1993 03 23.20451 | 12 39 05.31 | +03 35 50.2 | 17.0 | 7 809 | 1993 FV ₁₄ | * 1993 03 17.19062 | 12 49 55.35 | +03 38 33.2 | 16.9 | 7 809 |
| 1993 FD ₁₄ | * 1993 03 17.19062 | 12 44 28.50 | +01 08 04.9 | 19.4 | 7 809 | 1993 FV ₁₄ | 1993 03 18.21840 | 12 49 03.81 | +03 47 13.0 | 17.9 | 7 809 |
| 1993 FD ₁₄ | 1993 03 18.21840 | 12 43 44.35 | +01 19 11.2 | 18.7 | 7 809 | 1993 FV ₁₄ | 1993 03 23.20451 | 12 44 41.32 | +04 29 20.4 | 17.0 | 7 809 |
| 1993 FD ₁₄ | 1993 03 23.20451 | 12 40 01.36 | +02 13 08.8 | 18.6 | 7 809 | 1993 FW ₁₄ | * 1993 03 17.19062 | 12 49 56.65 | +03 41 13.7 | 17.7 | 7 809 |
| 1993 FE ₁₄ | * 1993 03 17.19062 | 12 44 32.21 | +03 36 09.6 | 17.7 | 7 809 | 1993 FW ₁₄ | 1993 03 18.21840 | 12 49 05.40 | +03 48 44.2 | 17.9 | 7 809 |
| 1993 FE ₁₄ | 1993 03 18.21840 | 12 43 46.85 | +03 41 43.8 | 17.9 | 7 809 | 1993 FW ₁₄ | 1993 03 23.20451 | 12 44 40.49 | +04 25 21.9 | 17.8 | 7 809 |
| 1993 FE ₁₄ | 1993 03 23.20451 | 12 39 58.99 | +04 08 18.8 | 17.8 | 7 809 | 1993 FX ₁₄ | * 1993 03 17.19062 | 12 50 18.82 | +03 16 42.2 | 17.7 | 7 809 |
| 1993 FF ₁₄ | * 1993 03 17.19062 | 12 45 03.84 | +04 37 04.6 | 16.9 | 7 809 | 1993 FX ₁₄ | 1993 03 18.21840 | 12 49 39.47 | +03 24 20.8 | 17.9 | 7 809 |
| 1993 FF ₁₄ | 1993 03 18.21840 | 12 44 03.93 | +04 37 36.0 | 17.0 | 7 809 | 1993 FX ₁₄ | 1993 03 23.20451 | 12 46 20.60 | +04 01 11.4 | 17.8 | 7 809 |
| 1993 FF ₁₄ | 1993 03 23.20451 | 12 39 00.89 | +04 39 21.1 | 17.0 | 7 809 | 1993 FY ₁₄ | * 1993 03 17.19062 | 12 50 36.62 | +04 16 35.9 | 16.9 | 7 809 |
| 1993 FG ₁₄ | * 1993 03 17.19062 | 12 45 10.07 | +03 47 04.0 | 16.0 | 7 809 | 1993 FY ₁₄ | 1993 03 18.21840 | 12 49 48.32 | +04 19 40.7 | 17.0 | 7 809 |
| 1993 FG ₁₄ | 1993 03 18.21840 | 12 44 15.70 | +03 49 50.4 | 16.2 | 7 809 | 1993 FY ₁₄ | 1993 03 23.20451 | 12 45 45.47 | +04 34 16.0 | 17.0 | 7 809 |
| 1993 FG ₁₄ | 1993 03 23.20451 | 12 39 38.33 | +04 02 45.7 | 16.1 | 7 809 | 1993 FZ ₁₄ | * 1993 03 17.19062 | 12 51 26.02 | +01 22 32.7 | 17.7 | 7 809 |
| 1993 FH ₁₄ | * 1993 03 17.19062 | 12 45 40.05 | +03 22 58.4 | 18.6 | 7 809 | 1993 FZ ₁₄ | 1993 03 18.21840 | 12 50 47.62 | +01 28 53.9 | 17.0 | 7 809 |
| 1993 FH ₁₄ | 1993 03 18.21840 | 12 44 50.43 | +03 31 11.9 | 17.9 | 7 809 | 1993 FZ ₁₄ | 1993 03 23.20451 | 12 47 31.75 | +01 59 51.7 | 17.8 | 7 809 |
| 1993 FH ₁₄ | 1993 03 23.20451 | 12 40 36.32 | +04 10 56.0 | 17.8 | 7 809 | 1993 FA ₁₅ | * 1993 03 17.19062 | 12 51 27.53 | +03 49 15.1 | 16.9 | 7 809 |
| 1993 FJ ₁₄ | * 1993 03 17.19062 | 12 45 42.47 | +02 15 47.4 | 18.6 | 7 809 | 1993 FA ₁₅ | 1993 03 18.21840 | 12 50 32.87 | +03 54 07.8 | 17.0 | 7 809 |
| 1993 FJ ₁₄ | 1993 03 18.21840 | 12 44 53.55 | +02 21 49.5 | 17.9 | 7 809 | 1993 FA ₁₅ | 1993 03 23.20451 | 12 45 57.05 | +04 17 29.6 | 17.0 | 7 809 |
| 1993 FJ ₁₄ | 1993 03 23.20451 | 12 40 42.67 | +02 50 59.3 | 17.8 | 7 809 | 1993 FB ₁₅ | * 1993 03 17.19062 | 12 52 03.92 | +03 11 02.1 | 16.9 | 7 809 |
| 1993 FK ₁₄ | * 1993 03 17.19062 | 12 45 44.38 | +03 01 14.4 | 18.6 | 7 809 | 1993 FB ₁₅ | 1993 03 18.21840 | 12 51 12.39 | +03 13 35.9 | 17.0 | 7 809 |
| 1993 FK ₁₄ | 1993 03 18.21840 | 12 44 46.83 | +03 06 21.1 | 17.9 | 7 809 | 1993 FB ₁₅ | 1993 03 23.20451 | 12 46 51.27 | +03 25 45.4 | 17.0 | 7 809 |
| 1993 FK ₁₄ | 1993 03 23.20451 | 12 39 54.91 | +03 30 58.8 | 17.8 | 7 809 | 1993 FC ₁₅ | * 1993 03 17.19062 | 12 52 04.13 | +03 05 42.0 | 17.7 | 7 809 |
| 1993 FL ₁₄ | * 1993 03 17.19062 | 12 45 51.68 | +02 53 08.3 | 16.9 | 7 809 | 1993 FC ₁₅ | 1993 03 18.21840 | 12 51 07.99 | +03 09 21.0 | 18.7 | 7 809 |
| 1993 FL ₁₄ | 1993 03 18.21840 | 12 45 03.63 | +02 59 47.6 | 16.2 | 7 809 | 1993 FC ₁₅ | 1993 03 23.20451 | 12 46 19.82 | +03 26 52.4 | 18.6 | 7 809 |
| 1993 FL ₁₄ | 1993 03 23.20451 | 12 40 59.82 | +03 32 04.8 | 16.1 | 7 809 | 1993 FD ₁₅ | * 1993 03 17.19062 | 12 53 27.58 | +03 11 41.3 | 17.7 | 7 809 |
| 1993 FM ₁₄ | * 1993 03 17.19062 | 12 46 58.33 | +02 23 41.3 | 16.9 | 7 809 | 1993 FD ₁₅ | 1993 03 18.21840 | 12 52 39.46 | +03 17 33.5 | 18.7 | 7 809 |
| 1993 FM ₁₄ | 1993 03 18.21840 | 12 45 58.30 | +02 27 56.4 | 16.2 | 7 809 | 1993 FD ₁₅ | 1993 03 23.20451 | 12 48 36.56 | +03 45 54.7 | 17.8 | 7 809 |
| 1993 FM ₁₄ | 1993 03 23.20451 | 12 40 55.40 | +02 48 19.1 | 17.0 | 7 809 | 1993 FE ₁₅ | * 1993 03 17.19062 | 12 54 00.63 | +03 25 39.0 | 16.0 | 7 809 |
| 1993 FN ₁₄ | * 1993 03 17.19062 | 12 47 40.74 | +02 34 35.0 | 16.9 | 7 809 | 1993 FE ₁₅ | 1993 03 17.27465 | 12 53 57.33 | +03 26 33.1 | 16.2 | 7 809 |
| 1993 FN ₁₄ | 1993 03 18.21840 | 12 46 43.29 | +02 40 53.3 | 17.0 | 7 809 | 1993 FE ₁₅ | 1993 03 18.21840 | 12 53 19.71 | +03 36 53.6 | 16.2 | 7 809 |
| 1993 FN ₁₄ | 1993 03 23.20451 | 12 41 53.42 | +03 11 23.1 | 17.8 | 7 809 | 1993 FE ₁₅ | 1993 03 23.20451 | 12 49 49.46 | +04 31 13.5 | 16.1 | 7 809 |
| 1993 FO ₁₄ | * 1993 03 17.19062 | 12 47 52.86 | +03 37 49.8 | 16.9 | 7 809 | 1993 FF ₁₅ | * 1993 03 17.19062 | 12 40 13.64 | +02 02 44.1 | 19.4 | 7 809 |
| 1993 FO ₁₄ | 1993 03 18.21840 | 12 47 04.40 | +03 42 59.9 | 17.9 | 7 809 | 1993 FF ₁₅ | 1993 03 18.21840 | 12 39 19.92 | +02 08 47.9 | 18.7 | 7 809 |
| 1993 FO ₁₄ | 1993 03 23.20451 | 12 42 53.53 | +04 07 37.3 | 17.0 | 7 809 | 1993 FF ₁₅ | 1993 03 23.20451 | 12 34 48.02 | +02 38 23.3 | 17.8 | 7 809 |
| 1993 FP ₁₄ | * 1993 03 17.19062 | 12 48 03.52 | +02 41 15.8 | 16.0 | 7 809 | 1993 FG ₁₅ | * 1993 03 17.19062 | 12 45 00.03 | +04 25 02.0 | 17.7 | 7 809 |
| 1993 FP ₁₄ | 1993 03 18.21840 | 12 47 04.97 | +02 45 26.5 | 17.0 | 7 809 | 1993 FG ₁₅ | 1993 03 18.21840 | 12 44 11.68 | +04 31 49.0 | 17.0 | 7 809 |
| 1993 FP ₁₄ | 1993 03 23.20451 | 12 42 05.61 | +03 05 39.5 | 17.0 | 7 809 | 1993 FG ₁₅ | 1993 03 23.20451 | 12 40 07.23 | +05 04 26.0 | 17.0 | 7 809 |
| 1993 FQ ₁₄ | * 1993 03 17.19062 | 12 48 05.13 | +02 13 12.6 | 19.4 | 7 809 | 1993 FH ₁₅ | * 1993 03 17.19062 | 12 45 34.34 | +03 51 35.2 | 19.4 | 7 809 |
| 1993 FQ ₁₄ | 1993 03 18.21840 | 12 47 25.31 | +02 22 44.2 | 17.9 | 7 809 | 1993 FH ₁₅ | 1993 03 18.21840 | 12 44 51.07 | +03 57 32.6 | 17.9 | 7 809 |
| 1993 FQ ₁₄ | 1993 03 23.20451 | 12 44 00.70 | +03 08 58.8 | 17.8 | 7 809 | 1993 FH ₁₅ | 1993 03 23.20451 | 12 41 14.02 | +04 26 09.8 | 17.8 | 7 809 |
| 1993 FR ₁₄ | * 1993 03 17.19062 | 12 48 09.95 | +03 54 35.2 | 18.6 | 7 809 | 1993 FJ ₁₅ | * 1993 03 17.19062 | 12 45 44.63 | +04 02 23.7 | 19.4 | 7 809 |
| 1993 FR ₁₄ | 1993 03 18.21840 | 12 47 24.24 | +04 00 40.2 | 19.6 | 7 809 | 1993 FJ ₁₅ | 1993 03 18.21840 | 12 45 01.66 | +04 10 15.8 | 18.7 | 7 809 |
| 1993 FR ₁₄ | 1993 03 23.20451 | 12 43 35.16 | +04 29 57.2 | 18.6 | 7 809 | 1993 FJ ₁₅ | 1993 03 23.20451 | 12 41 20.92 | +04 48 03.8 | 18.6 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FK ₁₅ | * 1993 03 17.19062 | 12 52 23.07 | +03 56 36.0 | 17.7 | 7 809 | 1993 FZ ₁₅ | 1993 03 23.20451 | 12 52 33.23 | +04 05 35.0 | 18.6 | 7 809 |
| 1993 FK ₁₅ | 1993 03 18.21840 | 12 51 35.13 | +04 04 21.1 | 17.9 | 7 809 | 1993 FA ₁₆ | * 1993 03 17.27465 | 12 57 04.34 | +02 15 59.3 | 18.7 | 7 809 |
| 1993 FK ₁₅ | 1993 03 23.20451 | 12 47 27.71 | +04 41 43.6 | 17.0 | 7 809 | 1993 FA ₁₆ | 1993 03 18.30104 | 12 56 24.57 | +02 20 41.5 | 17.8 | 7 809 |
| 1993 FL ₁₅ | * 1993 03 17.27465 | 12 54 17.03 | +00 22 59.5 | 17.0 | 7 809 | 1993 FA ₁₆ | 1993 03 23.20451 | 12 53 08.03 | +02 43 08.0 | 17.8 | 7 809 |
| 1993 FL ₁₅ | 1993 03 18.21840 | 12 53 38.24 | +00 27 27.7 | 17.0 | 7 809 | 1993 FB ₁₆ | * 1993 03 17.27465 | 12 57 07.29 | +00 47 39.8 | 17.9 | 7 809 |
| 1993 FL ₁₅ | 1993 03 18.30104 | 12 53 34.96 | +00 27 50.8 | 17.8 | 7 809 | 1993 FB ₁₆ | 1993 03 18.30104 | 12 56 22.29 | +00 52 43.9 | 17.8 | 7 809 |
| 1993 FL ₁₅ | 1993 03 23.20451 | 12 50 06.45 | +00 51 14.3 | 17.0 | 7 809 | 1993 FB ₁₆ | 1993 03 23.20451 | 12 52 39.12 | +01 17 04.8 | 17.8 | 7 809 |
| 1993 FM ₁₅ | * 1993 03 17.27465 | 12 54 28.03 | +01 25 40.1 | 17.9 | 7 809 | 1993 FC ₁₆ | * 1993 03 17.27465 | 12 57 14.38 | +00 25 11.7 | 17.0 | 7 809 |
| 1993 FM ₁₅ | 1993 03 18.21840 | 12 53 44.80 | +01 28 15.6 | 17.9 | 7 809 | 1993 FC ₁₆ | 1993 03 18.30104 | 12 56 32.55 | +00 32 39.0 | 17.8 | 7 809 |
| 1993 FM ₁₅ | 1993 03 18.30104 | 12 53 40.99 | +01 28 29.2 | 17.8 | 7 809 | 1993 FC ₁₆ | 1993 03 23.20451 | 12 53 02.61 | +01 08 28.2 | 17.0 | 7 809 |
| 1993 FM ₁₅ | 1993 03 23.20451 | 12 49 47.76 | +01 41 57.5 | 17.8 | 7 809 | 1993 FD ₁₆ | * 1993 03 17.27465 | 12 57 36.78 | +03 26 31.4 | 17.0 | 7 809 |
| 1993 FN ₁₅ | * 1993 03 17.27465 | 12 54 28.19 | +03 47 55.6 | 17.9 | 7 809 | 1993 FD ₁₆ | 1993 03 18.30104 | 12 56 48.57 | +03 31 02.6 | 17.8 | 7 809 |
| 1993 FN ₁₅ | 1993 03 18.21840 | 12 53 31.02 | +03 51 35.6 | 17.9 | 7 809 | 1993 FD ₁₆ | 1993 03 23.20451 | 12 52 46.62 | +03 52 29.4 | 17.0 | 7 809 |
| 1993 FN ₁₅ | 1993 03 18.30104 | 12 53 26.03 | +03 51 54.5 | 17.8 | 7 809 | 1993 FE ₁₆ | * 1993 03 17.27465 | 12 58 25.17 | +00 18 00.1 | 18.7 | 7 809 |
| 1993 FN ₁₅ | 1993 03 23.20451 | 12 48 17.52 | +04 10 23.3 | 17.0 | 7 809 | 1993 FE ₁₆ | 1993 03 18.30104 | 12 57 40.97 | +00 26 56.6 | 18.6 | 7 809 |
| 1993 FO ₁₅ | * 1993 03 17.27465 | 12 54 38.39 | +03 12 39.6 | 17.9 | 7 809 | 1993 FE ₁₆ | 1993 03 23.20451 | 12 53 54.53 | +01 10 38.8 | 17.8 | 7 809 |
| 1993 FO ₁₅ | 1993 03 18.21840 | 12 53 55.21 | +03 19 10.3 | 17.9 | 7 809 | 1993 FE ₁₆ | 1993 03 23.28576 | 12 53 50.59 | +01 11 20.8 | 18.7 | 7 809 |
| 1993 FO ₁₅ | 1993 03 18.30104 | 12 53 51.52 | +03 19 44.5 | 17.0 | 7 809 | 1993 FF ₁₆ | * 1993 03 17.27465 | 12 59 36.21 | +00 46 33.4 | 17.0 | 7 809 |
| 1993 FO ₁₅ | 1993 03 23.20451 | 12 49 57.51 | +03 53 35.5 | 17.0 | 7 809 | 1993 FF ₁₆ | 1993 03 18.30104 | 12 58 50.22 | +00 51 00.2 | 17.8 | 7 809 |
| 1993 FP ₁₅ | * 1993 03 17.27465 | 12 54 46.97 | +01 53 03.6 | 17.9 | 7 809 | 1993 FF ₁₆ | 1993 03 23.28576 | 12 54 55.21 | +01 12 48.4 | 17.0 | 7 809 |
| 1993 FP ₁₅ | 1993 03 18.21840 | 12 54 11.05 | +01 59 55.0 | 17.0 | 7 809 | 1993 FG ₁₆ | * 1993 03 17.27465 | 13 00 12.01 | +00 09 59.0 | 17.9 | 7 809 |
| 1993 FP ₁₅ | 1993 03 18.30104 | 12 54 07.93 | +02 00 32.3 | 17.0 | 7 809 | 1993 FG ₁₆ | 1993 03 18.30104 | 12 59 27.87 | +00 17 40.0 | 17.8 | 7 809 |
| 1993 FP ₁₅ | 1993 03 23.20451 | 12 50 53.52 | +02 36 29.8 | 17.0 | 7 809 | 1993 FG ₁₆ | 1993 03 23.28576 | 12 55 40.24 | +00 55 17.6 | 17.9 | 7 809 |
| 1993 FQ ₁₅ | * 1993 03 17.27465 | 12 54 58.69 | +03 55 07.6 | 17.9 | 7 809 | 1993 FH ₁₆ | * 1993 03 17.27465 | 13 02 14.55 | -00 16 40.2 | 17.0 | 7 809 |
| 1993 FQ ₁₅ | 1993 03 18.30104 | 12 54 25.92 | +04 01 02.8 | 17.8 | 7 809 | 1993 FH ₁₆ | 1993 03 18.30104 | 13 01 27.93 | -00 10 19.0 | 17.8 | 7 809 |
| 1993 FQ ₁₅ | 1993 03 23.20451 | 12 51 42.97 | +04 29 13.3 | 17.8 | 7 809 | 1993 FH ₁₆ | 1993 03 23.28576 | 12 57 25.94 | +00 20 58.5 | 17.9 | 7 809 |
| 1993 FR ₁₅ | * 1993 03 17.27465 | 12 55 02.33 | +03 23 29.3 | 18.7 | 7 809 | 1993 FJ ₁₆ | * 1993 03 17.27465 | 13 02 48.09 | -00 17 09.7 | 17.0 | 7 809 |
| 1993 FR ₁₅ | 1993 03 18.30104 | 12 54 21.81 | +03 30 03.2 | 18.6 | 7 809 | 1993 FJ ₁₆ | 1993 03 18.30104 | 13 01 56.32 | -00 11 13.2 | 17.0 | 7 809 |
| 1993 FR ₁₅ | 1993 03 23.20451 | 12 51 00.17 | +04 01 02.4 | 18.6 | 7 809 | 1993 FJ ₁₆ | 1993 03 23.28576 | 12 57 31.00 | +00 18 12.0 | 17.0 | 7 809 |
| 1993 FS ₁₅ | * 1993 03 17.27465 | 12 55 04.26 | +00 37 09.9 | 18.7 | 7 809 | 1993 FK ₁₆ | * 1993 03 17.27465 | 13 07 03.28 | -00 07 42.7 | 17.9 | 7 809 |
| 1993 FS ₁₅ | 1993 03 18.30104 | 12 54 23.85 | +00 46 22.8 | 17.8 | 7 809 | 1993 FK ₁₆ | 1993 03 18.30104 | 13 06 18.51 | -00 04 13.6 | 18.6 | 7 809 |
| 1993 FS ₁₅ | 1993 03 23.20451 | 12 51 00.95 | +01 31 05.4 | 17.8 | 7 809 | 1993 FK ₁₆ | 1993 03 23.28576 | 13 02 23.39 | +00 13 08.8 | 17.9 | 7 809 |
| 1993 FT ₁₅ | * 1993 03 17.27465 | 12 55 10.66 | -00 04 27.4 | 17.9 | 7 809 | 1993 FL ₁₆ | * 1993 03 17.27465 | 13 08 42.86 | -00 22 31.6 | 17.0 | 7 809 |
| 1993 FT ₁₅ | 1993 03 18.30104 | 12 54 20.18 | +00 01 38.1 | 18.6 | 7 809 | 1993 FL ₁₆ | 1993 03 18.30104 | 13 07 49.86 | -00 17 01.6 | 17.0 | 7 809 |
| 1993 FT ₁₅ | 1993 03 23.20451 | 12 50 09.85 | +00 31 01.9 | 17.8 | 7 809 | 1993 FL ₁₆ | 1993 03 19.32187 | 13 06 56.18 | -00 11 35.2 | 17.3 | 7 809 |
| 1993 FU ₁₅ | * 1993 03 17.27465 | 12 55 12.13 | +00 05 45.0 | 17.0 | 7 809 | 1993 FL ₁₆ | 1993 03 23.28576 | 13 03 15.59 | +00 10 22.1 | 17.0 | 7 809 |
| 1993 FU ₁₅ | 1993 03 18.30104 | 12 54 22.47 | +00 08 05.0 | 17.8 | 7 809 | 1993 FM ₁₆ | * 1993 03 17.27465 | 13 09 05.63 | +00 06 36.3 | 17.0 | 7 809 |
| 1993 FU ₁₅ | 1993 03 23.20451 | 12 50 16.27 | +00 19 18.8 | 17.0 | 7 809 | 1993 FM ₁₆ | 1993 03 18.30104 | 13 08 26.94 | +00 10 45.1 | 17.8 | 7 809 |
| 1993 FV ₁₅ | * 1993 03 17.27465 | 12 55 49.74 | +01 31 41.6 | 17.9 | 7 809 | 1993 FM ₁₆ | 1993 03 23.28576 | 13 05 10.19 | +00 30 59.1 | 17.0 | 7 809 |
| 1993 FV ₁₅ | 1993 03 18.30104 | 12 55 02.30 | +01 38 07.7 | 18.6 | 7 809 | 1993 FN ₁₆ | * 1993 03 17.27465 | 13 10 20.81 | -00 21 20.1 | 17.0 | 7 809 |
| 1993 FV ₁₅ | 1993 03 23.20451 | 12 51 03.89 | +02 09 01.0 | 17.8 | 7 809 | 1993 FN ₁₆ | 1993 03 18.30104 | 13 09 40.93 | -00 15 04.8 | 17.8 | 7 809 |
| 1993 FW ₁₅ | * 1993 03 17.27465 | 12 56 10.93 | +00 42 53.9 | 17.0 | 7 809 | 1993 FN ₁₆ | 1993 03 23.28576 | 13 06 14.69 | +00 15 44.1 | 17.0 | 7 809 |
| 1993 FW ₁₅ | 1993 03 18.30104 | 12 55 24.90 | +00 45 44.7 | 17.8 | 7 809 | 1993 FO ₁₆ | * 1993 03 17.27465 | 13 10 20.92 | -00 03 21.3 | 17.9 | 7 809 |
| 1993 FW ₁₅ | 1993 03 23.20451 | 12 51 35.57 | +00 59 28.6 | 17.0 | 7 809 | 1993 FO ₁₆ | 1993 03 18.30104 | 13 09 34.15 | +00 03 30.4 | 17.8 | 7 809 |
| 1993 FX ₁₅ | * 1993 03 17.27465 | 12 56 33.31 | +01 20 56.2 | 17.9 | 7 809 | 1993 FO ₁₆ | 1993 03 23.28576 | 13 05 33.64 | +00 37 12.8 | 18.7 | 7 809 |
| 1993 FX ₁₅ | 1993 03 18.30104 | 12 55 49.63 | +01 24 45.8 | 17.0 | 7 809 | 1993 FP ₁₆ | * 1993 03 17.27465 | 13 12 07.04 | -00 16 11.6 | 17.9 | 7 809 |
| 1993 FX ₁₅ | 1993 03 23.20451 | 12 52 13.30 | +01 43 01.8 | 17.0 | 7 809 | 1993 FP ₁₆ | 1993 03 18.30104 | 13 11 19.03 | -00 09 40.7 | 17.8 | 7 809 |
| 1993 FY ₁₅ | * 1993 03 17.27465 | 12 56 33.32 | +01 25 33.2 | 18.7 | 7 809 | 1993 FP ₁₆ | 1993 03 23.28576 | 13 07 14.80 | +00 22 08.2 | 18.7 | 7 809 |
| 1993 FY ₁₅ | 1993 03 18.30104 | 12 55 51.97 | +01 32 41.8 | 18.6 | 7 809 | 1993 FQ ₁₆ | * 1993 03 17.27465 | 13 12 36.50 | -00 06 25.2 | 17.9 | 7 809 |
| 1993 FY ₁₅ | 1993 03 23.20451 | 12 52 25.34 | +02 07 00.1 | 18.6 | 7 809 | 1993 FQ ₁₆ | 1993 03 18.30104 | 13 11 47.76 | +00 00 13.5 | 17.8 | 7 809 |
| 1993 FZ ₁₅ | * 1993 03 17.27465 | 12 56 56.72 | +03 32 33.1 | 18.7 | 7 809 | 1993 FQ ₁₆ | 1993 03 23.28576 | 13 07 32.30 | +00 33 15.3 | 17.9 | 7 809 |
| 1993 FZ ₁₅ | 1993 03 18.30104 | 12 56 12.33 | +03 38 17.6 | 19.5 | 7 809 | 1993 FR ₁₆ | * 1993 03 17.27465 | 13 13 42.61 | -00 11 42.0 | 17.0 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FR ₁₆ | 1993 03 18.30104 | 13 12 53.09 | -00 05 07.0 | 17.8 | 7 809 | 1993 FH ₁₇ | 1993 03 23.28576 | 12 53 43.80 | +02 29 28.7 | 17.9 | 7 809 |
| 1993 FR ₁₆ | 1993 03 23.28576 | 13 08 37.41 | +00 27 20.4 | 17.0 | 7 809 | 1993 FJ ₁₇ | * 1993 03 17.27465 | 12 58 48.93 | +01 51 42.4 | 18.7 | 7 809 |
| 1993 FS ₁₆ | * 1993 03 19.21875 | 12 37 41.23 | -00 19 19.8 | 17.9 | 7 809 | 1993 FJ ₁₇ | 1993 03 18.30104 | 12 58 01.82 | +01 57 14.9 | 18.6 | 7 809 |
| 1993 FS ₁₆ | 1993 03 20.23368 | 12 36 53.87 | -00 13 25.8 | 18.1 | 7 809 | 1993 FJ ₁₇ | 1993 03 23.20451 | 12 54 03.99 | +02 23 44.3 | 19.5 | 7 809 |
| 1993 FS ₁₆ | 1993 03 23.20451 | 12 34 31.91 | +00 04 07.8 | 17.0 | 7 809 | 1993 FJ ₁₇ | 1993 03 23.28576 | 12 53 59.80 | +02 24 09.9 | 19.6 | 7 809 |
| 1993 FT ₁₆ | * 1993 03 19.21875 | 12 39 19.85 | -00 18 00.3 | 17.0 | 7 809 | 1993 FK ₁₇ | * 1993 03 17.27465 | 12 59 01.45 | +03 16 14.0 | 17.9 | 7 809 |
| 1993 FT ₁₆ | 1993 03 20.23368 | 12 38 20.78 | -00 11 53.2 | 17.3 | 7 809 | 1993 FK ₁₇ | 1993 03 18.30104 | 12 58 12.65 | +03 21 11.6 | 18.6 | 7 809 |
| 1993 FT ₁₆ | 1993 03 23.20451 | 12 35 25.53 | +00 06 09.2 | 17.0 | 7 809 | 1993 FK ₁₇ | 1993 03 23.28576 | 12 54 04.31 | +03 45 03.4 | 18.7 | 7 809 |
| 1993 FU ₁₆ | * 1993 03 19.21875 | 12 41 22.12 | -00 19 59.9 | 18.7 | 7 809 | 1993 FL ₁₇ | * 1993 03 17.27465 | 12 59 10.35 | +03 34 49.4 | 17.9 | 7 809 |
| 1993 FU ₁₆ | 1993 03 20.23368 | 12 40 38.60 | -00 14 54.8 | 18.1 | 7 809 | 1993 FL ₁₇ | 1993 03 18.30104 | 12 58 23.57 | +03 39 22.1 | 18.6 | 7 809 |
| 1993 FU ₁₆ | 1993 03 23.20451 | 12 38 29.21 | +00 00 06.8 | 18.6 | 7 809 | 1993 FL ₁₇ | 1993 03 23.28576 | 12 54 17.80 | +04 01 05.7 | 18.7 | 7 809 |
| 1993 FV ₁₆ | * 1993 03 19.21875 | 12 42 06.83 | -00 20 35.8 | 18.7 | 7 809 | 1993 FM ₁₇ | * 1993 03 17.27465 | 12 59 24.42 | +01 34 47.9 | 17.9 | 7 809 |
| 1993 FV ₁₆ | 1993 03 20.23368 | 12 41 14.23 | -00 14 22.5 | 18.1 | 7 809 | 1993 FM ₁₇ | 1993 03 18.30104 | 12 58 40.38 | +01 41 23.0 | 18.6 | 7 809 |
| 1993 FV ₁₆ | 1993 03 23.20451 | 12 38 36.62 | +00 04 02.3 | 17.8 | 7 809 | 1993 FM ₁₇ | 1993 03 23.28576 | 12 54 52.74 | +02 13 45.9 | 17.9 | 7 809 |
| 1993 FW ₁₆ | * 1993 03 19.21875 | 12 42 21.78 | -00 20 59.8 | 17.9 | 7 809 | 1993 FN ₁₇ | * 1993 03 17.27465 | 12 59 32.46 | +02 30 13.4 | 16.2 | 7 809 |
| 1993 FW ₁₆ | 1993 03 20.23368 | 12 41 36.90 | -00 16 13.0 | 19.8 | 7 809 | 1993 FN ₁₇ | 1993 03 18.30104 | 12 58 59.06 | +02 42 49.0 | 17.0 | 7 809 |
| 1993 FW ₁₆ | 1993 03 23.20451 | 12 39 22.86 | -00 02 05.8 | 17.8 | 7 809 | 1993 FN ₁₇ | 1993 03 23.28576 | 12 56 05.44 | +03 43 51.0 | 16.2 | 7 809 |
| 1993 FX ₁₆ | * 1993 03 19.21875 | 12 42 44.72 | -00 27 35.1 | 18.7 | 7 809 | 1993 FO ₁₇ | * 1993 03 17.27465 | 13 00 32.07 | +04 17 03.6 | 18.7 | 7 809 |
| 1993 FX ₁₆ | 1993 03 20.23368 | 12 41 54.61 | -00 18 38.8 | 18.1 | 7 809 | 1993 FO ₁₇ | 1993 03 18.30104 | 12 59 47.58 | +04 21 00.6 | 17.8 | 7 809 |
| 1993 FX ₁₆ | 1993 03 23.20451 | 12 39 24.06 | +00 07 46.9 | 17.8 | 7 809 | 1993 FO ₁₇ | 1993 03 23.28576 | 12 56 02.38 | +04 39 51.7 | 18.7 | 7 809 |
| 1993 FY ₁₆ | * 1993 03 19.21875 | 12 44 46.85 | -00 32 10.9 | 17.9 | 7 809 | 1993 FP ₁₇ | * 1993 03 17.27465 | 13 00 46.70 | +03 27 44.0 | 17.9 | 7 809 |
| 1993 FY ₁₆ | 1993 03 20.23368 | 12 43 54.70 | -00 27 42.8 | 17.3 | 7 809 | 1993 FP ₁₇ | 1993 03 18.30104 | 13 00 06.63 | +03 33 50.0 | 17.8 | 7 809 |
| 1993 FY ₁₆ | 1993 03 23.20451 | 12 41 17.37 | -00 14 29.3 | 17.0 | 7 809 | 1993 FP ₁₇ | 1993 03 23.28576 | 12 56 42.48 | +04 03 06.6 | 17.9 | 7 809 |
| 1993 FY ₁₆ | 1993 03 24.19965 | 12 40 23.43 | -00 10 03.8 | 17.6 | 7 809 | 1993 FQ ₁₇ | * 1993 03 17.27465 | 13 00 53.64 | +04 01 06.0 | 17.0 | 7 809 |
| 1993 FZ ₁₆ | * 1993 03 19.21875 | 12 45 09.11 | -00 40 54.2 | 20.4 | 7 809 | 1993 FQ ₁₇ | 1993 03 18.30104 | 13 00 04.38 | +04 09 40.2 | 17.0 | 7 809 |
| 1993 FZ ₁₆ | 1993 03 20.23368 | 12 44 28.79 | -00 29 15.0 | 19.8 | 7 809 | 1993 FQ ₁₇ | 1993 03 23.28576 | 12 55 51.37 | +04 50 39.5 | 17.0 | 7 809 |
| 1993 FZ ₁₆ | 1993 03 23.20451 | 12 42 27.58 | +00 04 57.8 | 19.5 | 7 809 | 1993 FR ₁₇ | * 1993 03 17.27465 | 13 01 18.79 | +02 32 41.2 | 17.9 | 7 809 |
| 1993 FA ₁₇ | * 1993 03 19.21875 | 12 48 02.30 | -00 44 24.5 | 19.6 | 7 809 | 1993 FR ₁₇ | 1993 03 18.30104 | 13 00 23.78 | +02 39 27.1 | 19.5 | 7 809 |
| 1993 FA ₁₇ | 1993 03 20.23368 | 12 47 25.78 | -00 30 18.1 | 19.8 | 7 809 | 1993 FR ₁₇ | 1993 03 23.28576 | 12 55 44.13 | +03 12 07.3 | 18.7 | 7 809 |
| 1993 FA ₁₇ | 1993 03 23.20451 | 12 45 34.00 | +00 11 19.3 | 18.6 | 7 809 | 1993 FS ₁₇ | * 1993 03 17.27465 | 13 01 53.76 | +02 45 30.2 | 18.7 | 7 809 |
| 1993 FB ₁₇ | * 1993 03 19.21875 | 12 48 11.30 | -00 48 41.5 | 19.6 | 7 809 | 1993 FS ₁₇ | 1993 03 18.30104 | 13 01 11.79 | +02 52 57.3 | 18.6 | 7 809 |
| 1993 FB ₁₇ | 1993 03 20.23368 | 12 47 33.89 | -00 39 30.9 | 19.0 | 7 809 | 1993 FS ₁₇ | 1993 03 23.28576 | 12 57 32.44 | +03 29 27.0 | 18.7 | 7 809 |
| 1993 FB ₁₇ | 1993 03 23.20451 | 12 45 41.46 | -00 12 26.5 | 18.6 | 7 809 | 1993 FT ₁₇ | * 1993 03 17.27465 | 13 02 02.96 | +01 26 23.9 | 17.9 | 7 809 |
| 1993 FC ₁₇ | * 1993 03 19.21875 | 12 50 05.15 | -00 30 49.8 | 18.7 | 7 809 | 1993 FT ₁₇ | 1993 03 18.30104 | 13 01 09.97 | +01 29 50.4 | 17.8 | 7 809 |
| 1993 FC ₁₇ | 1993 03 20.23368 | 12 49 18.41 | -00 20 48.6 | 19.0 | 7 809 | 1993 FT ₁₇ | 1993 03 23.28576 | 12 56 36.63 | +01 46 33.7 | 18.7 | 7 809 |
| 1993 FC ₁₇ | 1993 03 23.20451 | 12 46 56.21 | +00 08 57.0 | 17.8 | 7 809 | 1993 FU ₁₇ | * 1993 03 17.27465 | 13 02 07.13 | +02 02 45.7 | 17.0 | 7 809 |
| 1993 FD ₁₇ | * 1993 03 19.21875 | 12 50 35.01 | -00 28 20.2 | 17.9 | 7 809 | 1993 FU ₁₇ | 1993 03 18.30104 | 13 01 08.97 | +02 07 18.8 | 17.0 | 7 809 |
| 1993 FD ₁₇ | 1993 03 20.23368 | 12 49 43.64 | -00 23 36.1 | 17.3 | 7 809 | 1993 FU ₁₇ | 1993 03 23.28576 | 12 56 13.17 | +02 29 22.2 | 17.0 | 7 809 |
| 1993 FD ₁₇ | 1993 03 23.20451 | 12 47 09.22 | -00 09 41.9 | 17.8 | 7 809 | 1993 FV ₁₇ | * 1993 03 17.27465 | 13 02 11.20 | +02 20 59.1 | 17.0 | 7 809 |
| 1993 FE ₁₇ | * 1993 03 19.21875 | 12 53 52.86 | -00 33 53.1 | 18.7 | 7 809 | 1993 FV ₁₇ | 1993 03 18.30104 | 13 01 20.27 | +02 26 19.2 | 16.1 | 7 809 |
| 1993 FE ₁₇ | 1993 03 20.23368 | 12 53 12.02 | -00 24 50.3 | 19.0 | 7 809 | 1993 FV ₁₇ | 1993 03 23.28576 | 12 57 00.85 | +02 52 09.9 | 17.0 | 7 809 |
| 1993 FE ₁₇ | 1993 03 23.20451 | 12 51 06.29 | +00 01 52.4 | 18.6 | 7 809 | 1993 FW ₁₇ | * 1993 03 17.27465 | 13 02 18.05 | +01 25 18.1 | 17.9 | 7 809 |
| 1993 FF ₁₇ | * 1993 03 19.21875 | 12 54 13.41 | -00 41 08.0 | 18.7 | 7 809 | 1993 FW ₁₇ | 1993 03 18.30104 | 13 01 33.43 | +01 30 27.1 | 17.8 | 7 809 |
| 1993 FF ₁₇ | 1993 03 19.32187 | 12 54 08.67 | -00 40 14.4 | 19.8 | 7 809 | 1993 FW ₁₇ | 1993 03 23.28576 | 12 57 46.57 | +01 55 33.9 | 17.9 | 7 809 |
| 1993 FF ₁₇ | 1993 03 20.23368 | 12 53 23.02 | -00 32 42.5 | 19.0 | 7 809 | 1993 FX ₁₇ | * 1993 03 17.27465 | 13 02 59.36 | +03 15 47.9 | 17.0 | 7 809 |
| 1993 FF ₁₇ | 1993 03 23.20451 | 12 50 49.35 | -00 07 41.2 | 17.8 | 7 809 | 1993 FX ₁₇ | 1993 03 18.30104 | 13 02 09.88 | +03 24 07.3 | 17.0 | 7 809 |
| 1993 FG ₁₇ | * 1993 03 19.32187 | 12 55 55.75 | -00 26 07.2 | 19.8 | 7 809 | 1993 FX ₁₇ | 1993 03 23.28576 | 12 57 55.36 | +04 04 19.3 | 17.0 | 7 809 |
| 1993 FG ₁₇ | 1993 03 20.31424 | 12 55 05.73 | -00 19 49.2 | 17.5 | 7 809 | 1993 FY ₁₇ | * 1993 03 17.27465 | 13 03 18.07 | +03 20 34.0 | 18.7 | 7 809 |
| 1993 FG ₁₇ | 1993 03 23.20451 | 12 52 35.36 | -00 01 15.1 | 17.8 | 7 809 | 1993 FY ₁₇ | 1993 03 18.30104 | 13 02 30.05 | +03 29 19.2 | 18.6 | 7 809 |
| 1993 FH ₁₇ | * 1993 03 17.27465 | 12 58 02.90 | +01 32 53.6 | 18.7 | 7 809 | 1993 FY ₁₇ | 1993 03 23.28576 | 12 58 23.17 | +04 11 43.3 | 18.7 | 7 809 |
| 1993 FH ₁₇ | 1993 03 18.30104 | 12 57 20.54 | +01 42 35.3 | 17.8 | 7 809 | 1993 FZ ₁₇ | * 1993 03 17.27465 | 13 03 19.05 | +01 35 22.7 | 17.9 | 7 809 |
| 1993 FH ₁₇ | 1993 03 23.20451 | 12 53 47.52 | +02 28 43.7 | 17.8 | 7 809 | 1993 FZ ₁₇ | 1993 03 18.30104 | 13 02 34.59 | +01 44 44.2 | 18.6 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FZ ₁₇ | 1993 03 23.28576 | 12 58 43.34 | +02 30 41.3 | 17.9 | 7 809 | 1993 FS ₁₈ | * 1993 03 17.27465 | 13 07 36.82 | -00 17 08.4 | 18.7 | 7 809 |
| 1993 FA ₁₈ | * 1993 03 17.27465 | 13 03 49.56 | +04 11 12.9 | 17.0 | 7 809 | 1993 FS ₁₈ | 1993 03 18.30104 | 13 06 50.74 | -00 11 53.0 | 18.6 | 7 809 |
| 1993 FA ₁₈ | 1993 03 18.30104 | 13 03 03.66 | +04 18 52.4 | 16.1 | 7 809 | 1993 FS ₁₈ | 1993 03 23.28576 | 13 02 55.58 | +00 13 53.3 | 18.7 | 7 809 |
| 1993 FA ₁₈ | 1993 03 23.28576 | 12 59 01.97 | +04 55 44.2 | 16.2 | 7 809 | 1993 FT ₁₈ | * 1993 03 17.27465 | 13 07 39.08 | +04 04 42.5 | 17.9 | 7 809 |
| 1993 FB ₁₈ | * 1993 03 17.27465 | 13 04 06.85 | +01 23 24.2 | 17.0 | 7 809 | 1993 FT ₁₈ | 1993 03 18.30104 | 13 06 42.75 | +04 10 18.8 | 18.6 | 7 809 |
| 1993 FB ₁₈ | 1993 03 18.30104 | 13 03 17.70 | +01 30 08.7 | 16.1 | 7 809 | 1993 FT ₁₈ | 1993 03 23.28576 | 13 01 56.40 | +04 37 02.5 | 18.7 | 7 809 |
| 1993 FB ₁₈ | 1993 03 23.28576 | 12 59 02.26 | +02 03 23.0 | 17.0 | 7 809 | 1993 FU ₁₈ | * 1993 03 17.27465 | 13 08 24.82 | +02 18 44.0 | 17.9 | 7 809 |
| 1993 FC ₁₈ | * 1993 03 17.27465 | 13 04 11.22 | +00 29 44.0 | 16.2 | 7 809 | 1993 FU ₁₈ | 1993 03 18.30104 | 13 07 46.31 | +02 23 52.7 | 17.8 | 7 809 |
| 1993 FC ₁₈ | 1993 03 18.30104 | 13 03 27.00 | +00 34 44.4 | 16.1 | 7 809 | 1993 FU ₁₈ | 1993 03 23.28576 | 13 04 28.01 | +02 48 52.9 | 17.9 | 7 809 |
| 1993 FC ₁₈ | 1993 03 23.28576 | 12 59 32.17 | +00 59 41.0 | 16.2 | 7 809 | 1993 FV ₁₈ | * 1993 03 17.27465 | 13 08 26.62 | +00 27 52.4 | 17.0 | 7 809 |
| 1993 FD ₁₈ | * 1993 03 17.27465 | 13 04 50.10 | +03 09 07.3 | 17.9 | 7 809 | 1993 FV ₁₈ | 1993 03 18.30104 | 13 07 39.15 | +00 33 21.5 | 17.0 | 7 809 |
| 1993 FD ₁₈ | 1993 03 18.30104 | 13 04 04.25 | +03 13 18.5 | 18.6 | 7 809 | 1993 FV ₁₈ | 1993 03 23.28576 | 13 03 29.17 | +01 00 34.5 | 16.2 | 7 809 |
| 1993 FD ₁₈ | 1993 03 23.28576 | 13 00 12.50 | +03 33 34.7 | 17.9 | 7 809 | 1993 FW ₁₈ | * 1993 03 17.27465 | 13 08 36.78 | +02 53 27.1 | 18.7 | 7 809 |
| 1993 FE ₁₈ | * 1993 03 17.27465 | 13 05 25.54 | +01 10 39.7 | 17.0 | 7 809 | 1993 FW ₁₈ | 1993 03 18.30104 | 13 07 53.85 | +03 03 43.6 | 18.6 | 7 809 |
| 1993 FE ₁₈ | 1993 03 18.30104 | 13 04 38.62 | +01 12 54.8 | 17.8 | 7 809 | 1993 FW ₁₈ | 1993 03 23.28576 | 13 04 08.03 | +03 54 02.2 | 17.9 | 7 809 |
| 1993 FE ₁₈ | 1993 03 23.28576 | 13 00 38.60 | +01 23 57.2 | 17.0 | 7 809 | 1993 FX ₁₈ | * 1993 03 17.27465 | 13 08 44.68 | +04 03 19.3 | 17.9 | 7 809 |
| 1993 FF ₁₈ | * 1993 03 17.27465 | 13 05 42.98 | +02 03 57.7 | 17.0 | 7 809 | 1993 FX ₁₈ | 1993 03 18.30104 | 13 07 59.24 | +04 06 45.4 | 18.6 | 7 809 |
| 1993 FF ₁₈ | 1993 03 18.30104 | 13 05 04.71 | +02 09 50.9 | 17.0 | 7 809 | 1993 FX ₁₈ | 1993 03 23.28576 | 13 04 08.36 | +04 23 03.0 | 18.7 | 7 809 |
| 1993 FF ₁₈ | 1993 03 23.28576 | 13 01 47.31 | +02 38 38.9 | 16.2 | 7 809 | 1993 FY ₁₈ | * 1993 03 17.27465 | 13 08 49.65 | +00 11 23.1 | 17.9 | 7 809 |
| 1993 FG ₁₈ | * 1993 03 17.27465 | 13 05 44.17 | +03 14 14.6 | 18.7 | 7 809 | 1993 FY ₁₈ | 1993 03 18.30104 | 13 08 00.95 | +00 15 15.9 | 17.8 | 7 809 |
| 1993 FG ₁₈ | 1993 03 18.30104 | 13 05 02.11 | +03 22 52.2 | 18.6 | 7 809 | 1993 FY ₁₈ | 1993 03 23.28576 | 13 03 46.91 | +00 34 27.9 | 17.9 | 7 809 |
| 1993 FG ₁₈ | 1993 03 23.28576 | 13 01 22.25 | +04 05 01.3 | 18.7 | 7 809 | 1993 FZ ₁₈ | * 1993 03 17.27465 | 13 09 03.62 | +02 55 59.4 | 17.0 | 7 809 |
| 1993 FH ₁₈ | * 1993 03 17.27465 | 13 05 50.11 | +01 00 19.6 | 17.9 | 7 809 | 1993 FZ ₁₈ | 1993 03 18.30104 | 13 08 15.55 | +03 01 42.8 | 17.0 | 7 809 |
| 1993 FH ₁₈ | 1993 03 18.30104 | 13 05 05.57 | +01 07 28.7 | 17.8 | 7 809 | 1993 FZ ₁₈ | 1993 03 23.28576 | 13 04 04.06 | +03 29 37.2 | 17.0 | 7 809 |
| 1993 FH ₁₈ | 1993 03 23.28576 | 13 01 12.04 | +01 42 27.3 | 17.9 | 7 809 | 1993 FA ₁₉ | * 1993 03 17.27465 | 13 09 11.32 | +00 33 21.3 | 18.7 | 7 809 |
| 1993 FJ ₁₈ | * 1993 03 17.27465 | 13 05 51.28 | +04 04 54.7 | 18.7 | 7 809 | 1993 FA ₁₉ | 1993 03 18.30104 | 13 08 35.31 | +00 39 23.1 | 18.6 | 7 809 |
| 1993 FJ ₁₈ | 1993 03 18.30104 | 13 05 09.19 | +04 11 14.0 | 19.5 | 7 809 | 1993 FA ₁₉ | 1993 03 23.28576 | 13 05 28.58 | +01 08 55.3 | 18.7 | 7 809 |
| 1993 FJ ₁₈ | 1993 03 23.28576 | 13 01 33.37 | +04 41 57.7 | 18.7 | 7 809 | 1993 FB ₁₉ | * 1993 03 17.27465 | 13 09 21.07 | +00 33 58.6 | 18.7 | 7 809 |
| 1993 FK ₁₈ | * 1993 03 17.27465 | 13 06 07.00 | +01 21 24.3 | 17.9 | 7 809 | 1993 FB ₁₉ | 1993 03 18.30104 | 13 08 36.58 | +00 41 54.3 | 17.8 | 7 809 |
| 1993 FK ₁₈ | 1993 03 18.30104 | 13 05 23.65 | +01 26 18.3 | 17.8 | 7 809 | 1993 FB ₁₉ | 1993 03 23.28576 | 13 04 46.74 | +01 20 47.2 | 17.9 | 7 809 |
| 1993 FK ₁₈ | 1993 03 23.28576 | 13 01 35.33 | +01 50 31.1 | 17.0 | 7 809 | 1993 FC ₁₉ | * 1993 03 17.27465 | 13 09 21.64 | +00 29 23.1 | 17.9 | 7 809 |
| 1993 FL ₁₈ | * 1993 03 17.27465 | 13 06 25.35 | +00 59 56.0 | 17.9 | 7 809 | 1993 FC ₁₉ | 1993 03 18.30104 | 13 08 42.11 | +00 35 17.1 | 18.6 | 7 809 |
| 1993 FL ₁₈ | 1993 03 18.30104 | 13 05 41.44 | +01 05 21.5 | 17.8 | 7 809 | 1993 FC ₁₉ | 1993 03 23.28576 | 13 05 20.46 | +01 04 08.4 | 18.7 | 7 809 |
| 1993 FL ₁₈ | 1993 03 23.28576 | 13 01 57.19 | +01 31 44.7 | 17.9 | 7 809 | 1993 FD ₁₉ | * 1993 03 17.27465 | 13 09 30.20 | +02 45 26.4 | 17.9 | 7 809 |
| 1993 FM ₁₈ | * 1993 03 17.27465 | 13 06 32.24 | +00 39 09.8 | 18.7 | 7 809 | 1993 FD ₁₉ | 1993 03 18.30104 | 13 08 49.86 | +02 55 06.9 | 16.1 | 7 809 |
| 1993 FM ₁₈ | 1993 03 18.30104 | 13 05 51.51 | +00 48 48.9 | 18.6 | 7 809 | 1993 FD ₁₉ | 1993 03 23.28576 | 13 05 14.74 | +03 42 34.9 | 17.0 | 7 809 |
| 1993 FM ₁₈ | 1993 03 23.28576 | 13 02 16.42 | +01 36 15.6 | 18.7 | 7 809 | 1993 FE ₁₉ | * 1993 03 17.27465 | 13 09 54.54 | +02 18 58.9 | 17.9 | 7 809 |
| 1993 FN ₁₈ | * 1993 03 17.27465 | 13 06 52.24 | +02 38 38.2 | 18.7 | 7 809 | 1993 FE ₁₉ | 1993 03 18.30104 | 13 09 16.41 | +02 25 09.8 | 18.6 | 7 809 |
| 1993 FN ₁₈ | 1993 03 18.30104 | 13 06 07.98 | +02 41 48.1 | 17.8 | 7 809 | 1993 FE ₁₉ | 1993 03 23.28576 | 13 05 58.82 | +02 55 11.3 | 17.9 | 7 809 |
| 1993 FN ₁₈ | 1993 03 23.28576 | 13 02 20.82 | +02 57 07.3 | 17.9 | 7 809 | 1993 FF ₁₉ | * 1993 03 17.27465 | 13 09 56.03 | +02 50 59.4 | 17.0 | 7 809 |
| 1993 FO ₁₈ | * 1993 03 17.27465 | 13 06 52.83 | +03 39 45.8 | 17.9 | 7 809 | 1993 FF ₁₉ | 1993 03 18.30104 | 13 09 15.77 | +02 59 26.8 | 16.1 | 7 809 |
| 1993 FO ₁₈ | 1993 03 18.30104 | 13 06 06.71 | +03 42 36.6 | 17.8 | 7 809 | 1993 FF ₁₉ | 1993 03 23.28576 | 13 05 47.96 | +03 40 28.0 | 17.0 | 7 809 |
| 1993 FO ₁₈ | 1993 03 23.28576 | 13 02 12.24 | +03 56 10.3 | 17.9 | 7 809 | 1993 FG ₁₉ | * 1993 03 17.27465 | 13 10 16.43 | +00 42 30.7 | 17.9 | 7 809 |
| 1993 FP ₁₈ | * 1993 03 17.27465 | 13 07 17.00 | +01 24 34.1 | 18.7 | 7 809 | 1993 FG ₁₉ | 1993 03 18.30104 | 13 09 30.02 | +00 47 52.7 | 17.8 | 7 809 |
| 1993 FP ₁₈ | 1993 03 18.30104 | 13 06 34.12 | +01 29 55.0 | 18.6 | 7 809 | 1993 FG ₁₉ | 1993 03 23.28576 | 13 05 32.27 | +01 14 10.4 | 18.7 | 7 809 |
| 1993 FP ₁₈ | 1993 03 23.28576 | 13 02 55.03 | +01 56 05.7 | 18.7 | 7 809 | 1993 FH ₁₉ | * 1993 03 17.27465 | 13 10 16.88 | +03 44 13.5 | 17.9 | 7 809 |
| 1993 FQ ₁₈ | * 1993 03 17.27465 | 13 07 34.59 | +00 40 26.0 | 18.7 | 7 809 | 1993 FH ₁₉ | 1993 03 18.30104 | 13 09 33.64 | +03 50 10.9 | 17.8 | 7 809 |
| 1993 FQ ₁₈ | 1993 03 18.30104 | 13 06 58.73 | +00 47 20.0 | 17.8 | 7 809 | 1993 FH ₁₉ | 1993 03 23.28576 | 13 05 51.57 | +04 18 58.7 | 17.9 | 7 809 |
| 1993 FQ ₁₈ | 1993 03 23.28576 | 13 03 55.43 | +01 21 04.9 | 18.7 | 7 809 | 1993 FJ ₁₉ | * 1993 03 17.27465 | 13 10 27.35 | +01 52 51.6 | 17.9 | 7 809 |
| 1993 FR ₁₈ | * 1993 03 17.27465 | 13 07 35.12 | +00 47 12.9 | 17.9 | 7 809 | 1993 FJ ₁₉ | 1993 03 18.30104 | 13 09 46.12 | +02 02 38.6 | 17.8 | 7 809 |
| 1993 FR ₁₈ | 1993 03 18.30104 | 13 06 53.29 | +00 50 28.9 | 17.8 | 7 809 | 1993 FJ ₁₉ | 1993 03 23.28576 | 13 06 13.04 | +02 50 32.6 | 17.9 | 7 809 |
| 1993 FR ₁₈ | 1993 03 23.28576 | 13 03 20.23 | +01 06 30.3 | 17.9 | 7 809 | 1993 FK ₁₉ | * 1993 03 17.27465 | 13 10 37.75 | +00 23 06.1 | 17.9 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FK ₁₉ | 1993 03 18.30104 | 13 09 53.09 | +00 27 12.3 | 18.6 | 7 809 | 1993 FB ₂₀ | 1993 03 23.28576 | 13 08 22.14 | +02 37 53.0 | 17.9 | 7 809 |
| 1993 FK ₁₉ | 1993 03 23.28576 | 13 06 03.67 | +00 47 20.8 | 17.9 | 7 809 | 1993 FC ₂₀ | * 1993 03 17.27465 | 13 13 53.86 | +03 00 05.4 | 18.7 | 7 809 |
| 1993 FL ₁₉ | * 1993 03 17.27465 | 13 10 45.89 | +01 07 27.9 | 18.7 | 7 809 | 1993 FC ₂₀ | 1993 03 18.30104 | 13 13 11.88 | +03 09 15.6 | 18.6 | 7 809 |
| 1993 FL ₁₉ | 1993 03 18.30104 | 13 10 09.60 | +01 17 26.1 | 18.6 | 7 809 | 1993 FC ₂₀ | 1993 03 23.28576 | 13 09 29.90 | +03 53 55.7 | 17.9 | 7 809 |
| 1993 FL ₁₉ | 1993 03 23.28576 | 13 06 58.25 | +02 06 39.4 | 18.7 | 7 809 | 1993 FD ₂₀ | * 1993 03 17.27465 | 13 14 04.26 | +00 42 30.0 | 17.0 | 7 809 |
| 1993 FM ₁₉ | * 1993 03 17.27465 | 13 10 57.67 | +02 35 59.0 | 17.0 | 7 809 | 1993 FD ₂₀ | 1993 03 18.30104 | 13 13 10.54 | +00 47 20.9 | 17.8 | 7 809 |
| 1993 FM ₁₉ | 1993 03 18.30104 | 13 10 16.94 | +02 41 57.4 | 17.8 | 7 809 | 1993 FD ₂₀ | 1993 03 23.28576 | 13 08 32.48 | +01 11 03.7 | 17.0 | 7 809 |
| 1993 FM ₁₉ | 1993 03 23.28576 | 13 06 49.72 | +03 10 56.8 | 17.0 | 7 809 | 1993 FE ₂₀ | * 1993 03 17.27465 | 13 14 05.42 | +01 33 47.8 | 17.9 | 7 809 |
| 1993 FN ₁₉ | * 1993 03 17.27465 | 13 10 59.91 | +03 33 58.2 | 17.9 | 7 809 | 1993 FE ₂₀ | 1993 03 18.30104 | 13 13 19.85 | +01 40 23.8 | 17.8 | 7 809 |
| 1993 FN ₁₉ | 1993 03 18.30104 | 13 10 15.73 | +03 41 24.2 | 17.0 | 7 809 | 1993 FE ₂₀ | 1993 03 23.28576 | 13 09 22.73 | +02 12 36.5 | 17.9 | 7 809 |
| 1993 FN ₁₉ | 1993 03 23.28576 | 13 06 20.50 | +04 17 33.1 | 17.0 | 7 809 | 1993 FF ₂₀ | * 1993 03 17.27465 | 13 14 07.19 | +01 52 16.9 | 17.9 | 7 809 |
| 1993 FO ₁₉ | * 1993 03 17.27465 | 13 11 16.00 | +02 05 27.0 | 17.9 | 7 809 | 1993 FF ₂₀ | 1993 03 18.30104 | 13 13 25.23 | +01 58 21.7 | 17.8 | 7 809 |
| 1993 FO ₁₉ | 1993 03 18.30104 | 13 10 45.58 | +02 16 08.7 | 17.0 | 7 809 | 1993 FF ₂₀ | 1993 03 23.28576 | 13 09 46.76 | +02 27 57.0 | 17.9 | 7 809 |
| 1993 FO ₁₉ | 1993 03 23.28576 | 13 08 04.51 | +03 08 42.3 | 17.0 | 7 809 | 1993 FG ₂₀ | * 1993 03 19.15104 | 12 18 06.86 | -05 27 33.9 | 17.5 | 7 809 |
| 1993 FP ₁₉ | * 1993 03 17.27465 | 13 11 17.62 | +00 42 55.4 | 18.7 | 7 809 | 1993 FG ₂₀ | 1993 03 20.15382 | 12 17 15.93 | -05 21 41.9 | 17.9 | 7 809 |
| 1993 FP ₁₉ | 1993 03 18.30104 | 13 10 41.39 | +00 50 00.1 | 18.6 | 7 809 | 1993 FG ₂₀ | 1993 03 24.11771 | 12 13 53.93 | -04 58 05.5 | 17.9 | 7 809 |
| 1993 FP ₁₉ | 1993 03 23.28576 | 13 07 33.57 | +01 24 35.9 | 18.7 | 7 809 | 1993 FH ₂₀ | * 1993 03 19.15104 | 12 19 10.05 | -05 00 38.7 | 19.2 | 7 809 |
| 1993 FQ ₁₉ | * 1993 03 17.27465 | 13 11 33.12 | +02 20 53.7 | 18.7 | 7 809 | 1993 FH ₂₀ | 1993 03 20.15382 | 12 18 13.52 | -04 54 49.9 | 19.6 | 7 809 |
| 1993 FQ ₁₉ | 1993 03 18.30104 | 13 11 00.97 | +02 30 28.8 | 19.5 | 7 809 | 1993 FH ₂₀ | 1993 03 24.11771 | 12 14 29.04 | -04 31 26.7 | 17.9 | 7 809 |
| 1993 FQ ₁₉ | 1993 03 23.28576 | 13 08 10.85 | +03 17 21.4 | 19.6 | 7 809 | 1993 FJ ₂₀ | * 1993 03 19.15104 | 12 19 20.85 | -05 00 49.1 | 17.5 | 7 809 |
| 1993 FR ₁₉ | * 1993 03 17.27465 | 13 11 42.61 | +03 29 29.2 | 17.9 | 7 809 | 1993 FJ ₂₀ | 1993 03 20.15382 | 12 18 29.18 | -04 54 55.2 | 17.9 | 7 809 |
| 1993 FR ₁₉ | 1993 03 18.30104 | 13 11 08.31 | +03 37 21.7 | 18.6 | 7 809 | 1993 FJ ₂₀ | 1993 03 24.11771 | 12 15 02.06 | -04 30 51.1 | 17.0 | 7 809 |
| 1993 FR ₁₉ | 1993 03 23.28576 | 13 08 10.46 | +04 15 32.1 | 18.7 | 7 809 | 1993 FK ₂₀ | * 1993 03 19.15104 | 12 19 44.93 | -05 19 20.3 | 17.5 | 7 809 |
| 1993 FS ₁₉ | * 1993 03 17.27465 | 13 12 05.17 | +03 26 47.6 | 17.9 | 7 809 | 1993 FK ₂₀ | 1993 03 20.15382 | 12 19 06.08 | -05 11 26.9 | 17.9 | 7 809 |
| 1993 FS ₁₉ | 1993 03 18.30104 | 13 11 11.08 | +03 30 06.2 | 18.6 | 7 809 | 1993 FK ₂₀ | 1993 03 24.11771 | 12 16 30.54 | -04 39 41.9 | 17.0 | 7 809 |
| 1993 FS ₁₉ | 1993 03 23.28576 | 13 06 36.99 | +03 45 43.7 | 18.7 | 7 809 | 1993 FL ₂₀ | * 1993 03 19.15104 | 12 19 58.39 | -05 02 37.5 | 18.4 | 7 809 |
| 1993 FT ₁₉ | * 1993 03 17.27465 | 13 12 17.85 | +00 43 27.6 | 17.0 | 7 809 | 1993 FL ₂₀ | 1993 03 20.15382 | 12 19 11.63 | -04 59 36.6 | 18.7 | 7 809 |
| 1993 FT ₁₉ | 1993 03 18.30104 | 13 11 27.23 | +00 48 01.2 | 17.8 | 7 809 | 1993 FL ₂₀ | 1993 03 24.11771 | 12 16 05.07 | -04 47 22.3 | 17.9 | 7 809 |
| 1993 FT ₁₉ | 1993 03 23.28576 | 13 07 05.22 | +01 10 36.3 | 17.9 | 7 809 | 1993 FM ₂₀ | * 1993 03 19.15104 | 12 20 54.41 | -05 15 58.7 | 18.4 | 7 809 |
| 1993 FU ₁₉ | * 1993 03 17.27465 | 13 12 33.03 | +01 57 19.4 | 17.9 | 7 809 | 1993 FM ₂₀ | 1993 03 20.15382 | 12 20 13.87 | -05 09 38.9 | 18.7 | 7 809 |
| 1993 FU ₁₉ | 1993 03 18.30104 | 13 11 47.55 | +02 03 17.2 | 17.8 | 7 809 | 1993 FM ₂₀ | 1993 03 24.11771 | 12 17 32.25 | -04 44 14.4 | 17.9 | 7 809 |
| 1993 FU ₁₉ | 1993 03 23.28576 | 13 07 51.77 | +02 32 17.5 | 17.9 | 7 809 | 1993 FN ₂₀ | * 1993 03 19.15104 | 12 21 07.79 | -05 11 04.9 | 17.5 | 7 809 |
| 1993 FV ₁₉ | * 1993 03 17.27465 | 13 12 39.73 | +03 59 54.9 | 18.7 | 7 809 | 1993 FN ₂₀ | 1993 03 20.15382 | 12 20 18.32 | -05 05 57.8 | 17.9 | 7 809 |
| 1993 FV ₁₉ | 1993 03 18.30104 | 13 12 03.64 | +04 06 10.1 | 18.6 | 7 809 | 1993 FN ₂₀ | 1993 03 24.11771 | 12 17 01.03 | -04 45 14.6 | 17.0 | 7 809 |
| 1993 FV ₁₉ | 1993 03 23.28576 | 13 08 59.92 | +04 36 20.5 | 18.7 | 7 809 | 1993 FO ₂₀ | * 1993 03 19.32187 | 13 00 56.03 | -00 45 27.9 | 18.1 | 7 809 |
| 1993 FW ₁₉ | * 1993 03 17.27465 | 13 12 50.32 | +01 08 12.9 | 18.7 | 7 809 | 1993 FO ₂₀ | 1993 03 20.31424 | 13 00 10.55 | -00 38 52.3 | 17.5 | 7 809 |
| 1993 FW ₁₉ | 1993 03 18.30104 | 13 12 13.32 | +01 13 11.6 | 18.6 | 7 809 | 1993 FO ₂₀ | 1993 03 23.28576 | 12 57 48.11 | -00 18 50.1 | 17.0 | 7 809 |
| 1993 FW ₁₉ | 1993 03 23.28576 | 13 09 04.03 | +01 37 23.1 | 17.9 | 7 809 | 1993 FO ₂₀ | 1993 03 24.28090 | 12 56 58.45 | -00 12 06.8 | 17.9 | 7 809 |
| 1993 FX ₁₉ | * 1993 03 17.27465 | 13 12 53.10 | +04 35 51.4 | 17.9 | 7 809 | 1993 FP ₂₀ | * 1993 03 19.32187 | 13 01 10.60 | -00 50 37.8 | 18.1 | 7 809 |
| 1993 FX ₁₉ | 1993 03 18.30104 | 13 12 08.40 | +04 38 39.0 | 17.8 | 7 809 | 1993 FP ₂₀ | 1993 03 20.31424 | 13 00 29.21 | -00 39 22.5 | 17.5 | 7 809 |
| 1993 FX ₁₉ | 1993 03 23.28576 | 13 08 17.62 | +04 51 44.3 | 17.9 | 7 809 | 1993 FP ₂₀ | 1993 03 23.28576 | 12 58 19.40 | -00 05 11.7 | 17.0 | 7 809 |
| 1993 FY ₁₉ | * 1993 03 17.27465 | 13 12 58.88 | +01 14 14.9 | 17.9 | 7 809 | 1993 FQ ₂₀ | * 1993 03 19.32187 | 13 01 21.30 | -00 32 15.6 | 18.1 | 7 809 |
| 1993 FY ₁₉ | 1993 03 18.30104 | 13 12 17.56 | +01 22 24.7 | 17.8 | 7 809 | 1993 FQ ₂₀ | 1993 03 20.31424 | 13 00 33.55 | -00 25 27.0 | 17.5 | 7 809 |
| 1993 FY ₁₉ | 1993 03 23.28576 | 13 08 42.40 | +02 02 19.6 | 17.9 | 7 809 | 1993 FQ ₂₀ | 1993 03 23.28576 | 12 58 06.00 | -00 04 56.1 | 17.0 | 7 809 |
| 1993 FZ ₁₉ | * 1993 03 17.27465 | 13 12 59.48 | +03 11 12.0 | 17.0 | 7 809 | 1993 FR ₂₀ | * 1993 03 19.32187 | 13 06 12.91 | -00 28 37.1 | 19.8 | 7 809 |
| 1993 FZ ₁₉ | 1993 03 18.30104 | 13 12 15.18 | +03 14 16.8 | 17.8 | 7 809 | 1993 FR ₂₀ | 1993 03 20.31424 | 13 05 24.09 | -00 23 04.8 | 19.2 | 7 809 |
| 1993 FZ ₁₉ | 1993 03 23.28576 | 13 08 27.76 | +03 29 01.4 | 17.9 | 7 809 | 1993 FR ₂₀ | 1993 03 23.28576 | 13 02 51.71 | -00 06 20.5 | 18.7 | 7 809 |
| 1993 FA ₂₀ | * 1993 03 17.27465 | 13 13 19.32 | +03 42 40.3 | 17.9 | 7 809 | 1993 FS ₂₀ | * 1993 03 19.32187 | 13 07 07.92 | -00 27 55.0 | 19.8 | 7 809 |
| 1993 FA ₂₀ | 1993 03 18.30104 | 13 12 37.48 | +03 46 39.1 | 17.0 | 7 809 | 1993 FS ₂₀ | 1993 03 20.31424 | 13 06 17.31 | -00 20 26.3 | 20.1 | 7 809 |
| 1993 FA ₂₀ | 1993 03 23.28576 | 13 09 04.55 | +04 05 45.1 | 17.0 | 7 809 | 1993 FS ₂₀ | 1993 03 23.28576 | 13 03 39.88 | +00 02 13.9 | 19.6 | 7 809 |
| 1993 FB ₂₀ | * 1993 03 17.27465 | 13 13 26.89 | +02 13 19.1 | 17.9 | 7 809 | 1993 FT ₂₀ | * 1993 03 19.32187 | 13 11 57.01 | -00 24 28.3 | 18.1 | 7 809 |
| 1993 FB ₂₀ | 1993 03 18.30104 | 13 12 37.10 | +02 17 32.2 | 17.8 | 7 809 | 1993 FT ₂₀ | 1993 03 20.31424 | 13 11 15.87 | -00 18 36.5 | 17.5 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FT ₂₀ | 1993 03 23.28576 | 13 09 07.23 | -00 00 53.6 | 17.9 | 7 809 | 1993 FK ₂₁ | 1993 03 22.29549 | 13 00 35.04 | -06 36 59.2 | 17.9 | 7 809 |
| 1993 FU ₂₀ | * 1993 03 19.32187 | 13 12 30.44 | -00 51 17.5 | 18.1 | 7 809 | 1993 FK ₂₁ | 1993 03 26.32604 | 12 57 12.35 | -06 13 34.5 | 17.9 | 7 809 |
| 1993 FU ₂₀ | 1993 03 20.31424 | 13 11 48.17 | -00 42 38.2 | 16.7 | 7 809 | 1993 FK ₂₁ | 1993 03 27.25452 | 12 56 24.58 | -06 08 01.4 | 17.9 | 7 809 |
| 1993 FU ₂₀ | 1993 03 23.28576 | 13 09 35.19 | -00 16 26.1 | 17.9 | 7 809 | 1993 FL ₂₁ | * 1993 03 21.30174 | 13 01 59.80 | -07 23 43.3 | 18.6 | 7 809 |
| 1993 FV ₂₀ | * 1993 03 21.30174 | 12 58 39.33 | -06 20 23.4 | 19.4 | 7 809 | 1993 FL ₂₁ | 1993 03 22.29549 | 13 01 26.08 | -07 12 28.1 | 18.7 | 7 809 |
| 1993 FV ₂₀ | 1993 03 22.29549 | 12 57 50.16 | -06 16 59.2 | 19.6 | 7 809 | 1993 FL ₂₁ | 1993 03 26.32604 | 12 59 02.52 | -06 25 36.5 | 18.7 | 7 809 |
| 1993 FV ₂₀ | 1993 03 26.32604 | 12 54 19.59 | -06 02 10.4 | 19.6 | 7 809 | 1993 FL ₂₁ | 1993 03 27.25452 | 12 58 28.38 | -06 14 26.0 | 19.6 | 7 809 |
| 1993 FW ₂₀ | * 1993 03 21.30174 | 13 01 25.02 | -06 11 23.7 | 17.7 | 7 809 | 1993 FM ₂₁ | * 1993 03 21.30174 | 13 02 00.36 | -08 06 51.3 | 19.4 | 7 809 |
| 1993 FW ₂₀ | 1993 03 22.29549 | 13 00 39.37 | -06 09 12.1 | 17.9 | 7 809 | 1993 FM ₂₁ | 1993 03 22.29549 | 13 01 17.74 | -08 03 47.6 | 19.6 | 7 809 |
| 1993 FW ₂₀ | 1993 03 26.32604 | 12 57 28.73 | -05 59 47.7 | 17.0 | 7 809 | 1993 FM ₂₁ | 1993 03 26.32604 | 12 58 17.16 | -07 50 28.9 | 17.9 | 7 809 |
| 1993 FW ₂₀ | 1993 03 27.25452 | 12 56 44.12 | -05 57 32.9 | 17.9 | 7 809 | 1993 FN ₂₁ | * 1993 03 21.30174 | 13 02 10.16 | -08 02 31.4 | 19.4 | 7 809 |
| 1993 FX ₂₀ | * 1993 03 21.30174 | 13 04 19.70 | -06 12 14.4 | 19.4 | 7 809 | 1993 FN ₂₁ | 1993 03 22.29549 | 13 01 22.03 | -07 55 15.2 | 19.6 | 7 809 |
| 1993 FX ₂₀ | 1993 03 22.29549 | 13 03 38.46 | -06 07 24.5 | 17.9 | 7 809 | 1993 FN ₂₁ | 1993 03 26.32604 | 12 57 59.50 | -07 24 43.4 | 19.6 | 7 809 |
| 1993 FX ₂₀ | 1993 03 26.32604 | 13 00 44.79 | -05 47 07.0 | 18.7 | 7 809 | 1993 FN ₂₁ | 1993 03 27.25452 | 12 57 11.68 | -07 17 27.8 | 18.7 | 7 809 |
| 1993 FX ₂₀ | 1993 03 27.25452 | 13 00 03.85 | -05 42 18.9 | 19.6 | 7 809 | 1993 FO ₂₁ | * 1993 03 21.30174 | 13 02 11.49 | -07 22 31.2 | 18.6 | 7 809 |
| 1993 FY ₂₀ | * 1993 03 21.30174 | 13 05 18.68 | -06 15 27.8 | 19.4 | 7 809 | 1993 FO ₂₁ | 1993 03 22.29549 | 13 01 23.79 | -07 19 21.4 | 18.7 | 7 809 |
| 1993 FY ₂₀ | 1993 03 22.29549 | 13 04 37.12 | -06 11 37.3 | 18.7 | 7 809 | 1993 FO ₂₁ | 1993 03 26.32604 | 12 58 03.64 | -07 05 48.3 | 18.7 | 7 809 |
| 1993 FY ₂₀ | 1993 03 26.32604 | 13 01 41.37 | -05 55 21.3 | 19.6 | 7 809 | 1993 FO ₂₁ | 1993 03 27.25452 | 12 57 16.55 | -07 02 32.4 | 18.7 | 7 809 |
| 1993 FZ ₂₀ | * 1993 03 21.30174 | 13 10 01.34 | -06 44 36.8 | 18.6 | 7 809 | 1993 FP ₂₁ | * 1993 03 21.30174 | 13 02 39.86 | -07 26 42.5 | 18.6 | 7 809 |
| 1993 FZ ₂₀ | 1993 03 22.29549 | 13 09 16.10 | -06 39 03.3 | 18.7 | 7 809 | 1993 FP ₂₁ | 1993 03 22.29549 | 13 01 53.75 | -07 23 47.8 | 18.7 | 7 809 |
| 1993 FZ ₂₀ | 1993 03 26.32604 | 13 06 04.87 | -06 15 43.3 | 19.6 | 7 809 | 1993 FP ₂₁ | 1993 03 26.32604 | 12 58 38.83 | -07 11 08.5 | 17.9 | 7 809 |
| 1993 FA ₂₁ | * 1993 03 21.30174 | 13 11 40.80 | -06 34 47.0 | 19.4 | 7 809 | 1993 FP ₂₁ | 1993 03 27.25452 | 12 57 52.74 | -07 08 02.9 | 18.7 | 7 809 |
| 1993 FA ₂₁ | 1993 03 22.29549 | 13 11 01.93 | -06 27 11.6 | 19.6 | 7 809 | 1993 FQ ₂₁ | * 1993 03 21.30174 | 13 03 16.04 | -07 40 26.5 | 19.4 | 7 809 |
| 1993 FA ₂₁ | 1993 03 26.32604 | 13 08 16.31 | -05 55 35.1 | 19.6 | 7 809 | 1993 FQ ₂₁ | 1993 03 22.29549 | 13 02 30.55 | -07 36 32.3 | 18.7 | 7 809 |
| 1993 FB ₂₁ | * 1993 03 21.30174 | 13 14 20.87 | -06 37 22.1 | 19.4 | 7 809 | 1993 FQ ₂₁ | 1993 03 26.32604 | 12 59 18.96 | -07 19 56.7 | 19.6 | 7 809 |
| 1993 FB ₂₁ | 1993 03 22.29549 | 13 13 36.27 | -06 33 37.0 | 18.7 | 7 809 | 1993 FQ ₂₁ | 1993 03 27.25452 | 12 58 33.61 | -07 15 55.9 | 18.7 | 7 809 |
| 1993 FB ₂₁ | 1993 03 26.32604 | 13 10 26.02 | -06 17 30.8 | 18.7 | 7 809 | 1993 FR ₂₁ | * 1993 03 21.30174 | 13 04 10.09 | -07 50 19.1 | 18.6 | 7 809 |
| 1993 FB ₂₁ | 1993 03 27.25452 | 13 09 40.59 | -06 13 39.6 | 18.7 | 7 809 | 1993 FR ₂₁ | 1993 03 22.29549 | 13 03 22.00 | -07 47 39.8 | 18.7 | 7 809 |
| 1993 FC ₂₁ | * 1993 03 21.30174 | 12 57 55.63 | -07 45 11.8 | 19.4 | 7 809 | 1993 FR ₂₁ | 1993 03 26.32604 | 12 59 59.41 | -07 36 02.8 | 18.7 | 7 809 |
| 1993 FC ₂₁ | 1993 03 22.29549 | 12 57 08.28 | -07 39 00.1 | 18.7 | 7 809 | 1993 FS ₂₁ | * 1993 03 21.30174 | 13 04 53.32 | -07 26 49.2 | 19.4 | 7 809 |
| 1993 FC ₂₁ | 1993 03 26.32604 | 12 53 49.18 | -07 12 53.6 | 19.6 | 7 809 | 1993 FS ₂₁ | 1993 03 22.29549 | 13 04 18.83 | -07 18 29.0 | 19.6 | 7 809 |
| 1993 FD ₂₁ | * 1993 03 21.30174 | 12 59 02.19 | -06 37 39.7 | 18.6 | 7 809 | 1993 FS ₂₁ | 1993 03 26.32604 | 13 01 46.94 | -06 43 00.4 | 19.6 | 7 809 |
| 1993 FD ₂₁ | 1993 03 22.29549 | 12 58 15.16 | -06 30 59.3 | 18.7 | 7 809 | 1993 FT ₂₁ | * 1993 03 21.30174 | 13 05 03.03 | -07 08 55.6 | 19.4 | 7 809 |
| 1993 FD ₂₁ | 1993 03 26.32604 | 12 54 55.63 | -06 02 51.3 | 18.7 | 7 809 | 1993 FT ₂₁ | 1993 03 22.29549 | 13 04 18.22 | -07 02 41.3 | 19.6 | 7 809 |
| 1993 FD ₂₁ | 1993 03 27.25452 | 12 54 08.40 | -05 56 11.9 | 18.7 | 7 809 | 1993 FT ₂₁ | 1993 03 26.32604 | 13 01 05.13 | -06 36 01.8 | 18.7 | 7 809 |
| 1993 FE ₂₁ | * 1993 03 21.30174 | 12 59 13.32 | -08 23 07.4 | 19.4 | 7 809 | 1993 FT ₂₁ | 1993 03 27.25452 | 13 00 18.68 | -06 29 35.3 | 19.6 | 7 809 |
| 1993 FE ₂₁ | 1993 03 22.29549 | 12 58 34.04 | -08 17 06.3 | 19.6 | 7 809 | 1993 FU ₂₁ | * 1993 03 21.30174 | 13 05 51.81 | -07 38 09.5 | 19.4 | 7 809 |
| 1993 FE ₂₁ | 1993 03 26.32604 | 12 55 49.11 | -07 51 57.9 | 19.6 | 7 809 | 1993 FU ₂₁ | 1993 03 22.29549 | 13 04 58.40 | -07 32 25.8 | 18.7 | 7 809 |
| 1993 FF ₂₁ | * 1993 03 21.30174 | 12 59 19.00 | -07 41 04.0 | 18.6 | 7 809 | 1993 FU ₂₁ | 1993 03 26.32604 | 13 01 12.63 | -07 08 08.8 | 19.6 | 7 809 |
| 1993 FF ₂₁ | 1993 03 22.29549 | 12 58 32.40 | -07 37 28.4 | 17.9 | 7 809 | 1993 FV ₂₁ | * 1993 03 21.30174 | 13 05 57.56 | -07 22 47.7 | 17.7 | 7 809 |
| 1993 FF ₂₁ | 1993 03 26.32604 | 12 55 17.15 | -07 22 08.0 | 17.9 | 7 809 | 1993 FV ₂₁ | 1993 03 22.29549 | 13 05 10.50 | -07 17 06.9 | 17.9 | 7 809 |
| 1993 FF ₂₁ | 1993 03 27.25452 | 12 54 31.30 | -07 18 26.6 | 18.7 | 7 809 | 1993 FV ₂₁ | 1993 03 26.32604 | 13 01 50.72 | -06 53 01.3 | 17.9 | 7 809 |
| 1993 FG ₂₁ | * 1993 03 21.30174 | 13 01 02.92 | -07 51 31.3 | 19.4 | 7 809 | 1993 FV ₂₁ | 1993 03 27.25452 | 13 01 03.18 | -06 47 15.4 | 17.9 | 7 809 |
| 1993 FG ₂₁ | 1993 03 22.29549 | 13 00 20.67 | -07 47 27.4 | 19.6 | 7 809 | 1993 FW ₂₁ | * 1993 03 21.30174 | 13 06 44.19 | -07 00 16.5 | 18.6 | 7 809 |
| 1993 FG ₂₁ | 1993 03 26.32604 | 12 57 23.11 | -07 30 11.4 | 19.6 | 7 809 | 1993 FW ₂₁ | 1993 03 22.29549 | 13 05 58.46 | -06 56 33.0 | 17.9 | 7 809 |
| 1993 FH ₂₁ | * 1993 03 21.30174 | 13 01 08.26 | -07 19 14.9 | 18.6 | 7 809 | 1993 FW ₂₁ | 1993 03 26.32604 | 13 02 46.79 | -06 40 50.4 | 17.9 | 7 809 |
| 1993 FH ₂₁ | 1993 03 22.29549 | 13 00 11.24 | -07 16 26.4 | 18.7 | 7 809 | 1993 FW ₂₁ | 1993 03 27.25452 | 13 02 01.65 | -06 37 05.5 | 18.7 | 7 809 |
| 1993 FH ₂₁ | 1993 03 26.32604 | 12 56 11.02 | -07 04 09.7 | 18.7 | 7 809 | 1993 FX ₂₁ | * 1993 03 21.30174 | 13 06 44.65 | -07 54 49.9 | 19.4 | 7 809 |
| 1993 FJ ₂₁ | * 1993 03 21.30174 | 13 01 22.89 | -06 41 12.5 | 18.6 | 7 809 | 1993 FX ₂₁ | 1993 03 22.29549 | 13 06 00.73 | -07 49 09.4 | 18.7 | 7 809 |
| 1993 FJ ₂₁ | 1993 03 22.29549 | 13 00 35.90 | -06 37 56.9 | 18.7 | 7 809 | 1993 FX ₂₁ | 1993 03 26.32604 | 13 02 54.23 | -07 25 07.4 | 18.7 | 7 809 |
| 1993 FJ ₂₁ | 1993 03 26.32604 | 12 57 17.50 | -06 23 59.2 | 19.6 | 7 809 | 1993 FX ₂₁ | 1993 03 27.25452 | 13 02 09.87 | -07 19 21.1 | 18.7 | 7 809 |
| 1993 FK ₂₁ | * 1993 03 21.30174 | 13 01 23.25 | -06 42 33.8 | 17.7 | 7 809 | 1993 FY ₂₁ | * 1993 03 21.30174 | 13 06 50.64 | -07 00 14.8 | 17.7 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FY ₂₁ | 1993 03 22.29549 | 13 06 14.49 | -06 50 23.5 | 17.9 | 7 809 | 1993 FO ₂₂ | * 1993 03 21.30174 | 12 57 07.39 | -10 06 08.6 | 18.6 | 7 809 |
| 1993 FY ₂₁ | 1993 03 26.32604 | 13 03 38.74 | -06 09 09.3 | 17.0 | 7 809 | 1993 FO ₂₂ | 1993 03 22.29549 | 12 56 30.50 | -10 00 08.1 | 17.9 | 7 809 |
| 1993 FY ₂₁ | 1993 03 27.25452 | 13 03 01.42 | -05 59 25.9 | 17.9 | 7 809 | 1993 FO ₂₂ | 1993 03 26.32604 | 12 53 54.31 | -09 34 38.0 | 18.7 | 7 809 |
| 1993 FZ ₂₁ | * 1993 03 21.30174 | 13 07 33.61 | -08 07 44.7 | 17.7 | 7 809 | 1993 FP ₂₂ | * 1993 03 21.30174 | 12 58 15.18 | -10 12 47.6 | 18.6 | 7 809 |
| 1993 FZ ₂₁ | 1993 03 22.29549 | 13 06 45.15 | -08 04 34.1 | 17.9 | 7 809 | 1993 FP ₂₂ | 1993 03 22.29549 | 12 57 24.73 | -10 09 18.7 | 18.7 | 7 809 |
| 1993 FZ ₂₁ | 1993 03 26.32604 | 13 03 19.50 | -07 50 39.2 | 17.9 | 7 809 | 1993 FP ₂₂ | 1993 03 26.32604 | 12 53 50.22 | -09 53 40.1 | 18.7 | 7 809 |
| 1993 FZ ₂₁ | 1993 03 27.25452 | 13 02 30.75 | -07 47 15.2 | 17.9 | 7 809 | 1993 FQ ₂₂ | * 1993 03 21.30174 | 12 58 55.49 | -08 48 38.6 | 18.6 | 7 809 |
| 1993 FA ₂₂ | * 1993 03 21.30174 | 13 08 35.75 | -08 17 28.7 | 18.6 | 7 809 | 1993 FQ ₂₂ | 1993 03 22.29549 | 12 58 09.10 | -08 45 10.4 | 18.7 | 7 809 |
| 1993 FA ₂₂ | 1993 03 22.29549 | 13 07 53.15 | -08 13 37.4 | 17.9 | 7 809 | 1993 FQ ₂₂ | 1993 03 26.32604 | 12 54 50.24 | -08 29 40.0 | 19.6 | 7 809 |
| 1993 FA ₂₂ | 1993 03 26.32604 | 13 04 53.81 | -07 57 14.5 | 18.7 | 7 809 | 1993 FQ ₂₂ | 1993 03 27.25452 | 12 54 02.77 | -08 25 48.0 | 18.7 | 7 809 |
| 1993 FA ₂₂ | 1993 03 27.25452 | 13 04 11.48 | -07 53 19.9 | 17.9 | 7 809 | 1993 FR ₂₂ | * 1993 03 21.30174 | 12 59 26.68 | -09 28 20.4 | 18.6 | 7 809 |
| 1993 FB ₂₂ | * 1993 03 21.30174 | 13 08 57.34 | -07 26 38.4 | 19.4 | 7 809 | 1993 FR ₂₂ | 1993 03 22.29549 | 12 58 34.97 | -09 21 26.0 | 19.6 | 7 809 |
| 1993 FB ₂₂ | 1993 03 22.29549 | 13 08 05.37 | -07 21 53.5 | 19.6 | 7 809 | 1993 FR ₂₂ | 1993 03 26.32604 | 12 54 58.36 | -08 52 12.8 | 18.7 | 7 809 |
| 1993 FB ₂₂ | 1993 03 26.32604 | 13 04 26.50 | -07 01 48.1 | 19.6 | 7 809 | 1993 FR ₂₂ | 1993 03 27.25452 | 12 54 07.81 | -08 45 22.0 | 19.6 | 7 809 |
| 1993 FC ₂₂ | * 1993 03 21.30174 | 13 09 10.08 | -07 10 13.9 | 17.7 | 7 809 | 1993 FS ₂₂ | * 1993 03 21.30174 | 12 59 53.22 | -10 02 30.5 | 18.6 | 7 809 |
| 1993 FC ₂₂ | 1993 03 22.29549 | 13 08 23.82 | -07 04 49.6 | 17.9 | 7 809 | 1993 FS ₂₂ | 1993 03 22.29549 | 12 59 05.30 | -09 57 21.4 | 19.6 | 7 809 |
| 1993 FC ₂₂ | 1993 03 26.32604 | 13 05 06.18 | -06 41 48.9 | 17.9 | 7 809 | 1993 FS ₂₂ | 1993 03 26.32604 | 12 55 44.30 | -09 35 22.2 | 18.7 | 7 809 |
| 1993 FC ₂₂ | 1993 03 27.25452 | 13 04 19.06 | -06 36 18.8 | 17.9 | 7 809 | 1993 FS ₂₂ | 1993 03 27.25452 | 12 54 57.07 | -09 30 04.8 | 19.6 | 7 809 |
| 1993 FD ₂₂ | * 1993 03 21.30174 | 13 09 46.32 | -07 56 41.8 | 18.6 | 7 809 | 1993 FT ₂₂ | * 1993 03 21.30174 | 13 01 15.57 | -10 32 54.7 | 17.7 | 7 809 |
| 1993 FD ₂₂ | 1993 03 22.29549 | 13 09 03.55 | -07 52 05.4 | 18.7 | 7 809 | 1993 FT ₂₂ | 1993 03 22.29549 | 13 00 34.34 | -10 28 56.4 | 18.7 | 7 809 |
| 1993 FD ₂₂ | 1993 03 26.32604 | 13 06 04.17 | -07 32 42.2 | 18.7 | 7 809 | 1993 FT ₂₂ | 1993 03 26.32604 | 12 57 41.09 | -10 11 53.9 | 17.9 | 7 809 |
| 1993 FE ₂₂ | * 1993 03 21.30174 | 13 10 16.39 | -08 34 34.5 | 19.4 | 7 809 | 1993 FT ₂₂ | 1993 03 27.25452 | 12 57 00.28 | -10 07 46.2 | 17.9 | 7 809 |
| 1993 FE ₂₂ | 1993 03 22.29549 | 13 09 30.80 | -08 29 40.2 | 18.7 | 7 809 | 1993 FU ₂₂ | * 1993 03 21.30174 | 13 01 45.16 | -08 54 17.5 | 18.6 | 7 809 |
| 1993 FE ₂₂ | 1993 03 26.32604 | 13 06 14.41 | -08 08 28.7 | 19.6 | 7 809 | 1993 FU ₂₂ | 1993 03 22.29549 | 13 00 59.06 | -08 50 55.3 | 18.7 | 7 809 |
| 1993 FF ₂₂ | * 1993 03 21.30174 | 13 10 43.92 | -08 19 41.1 | 19.4 | 7 809 | 1993 FU ₂₂ | 1993 03 26.32604 | 12 57 39.77 | -08 35 45.2 | 18.7 | 7 809 |
| 1993 FF ₂₂ | 1993 03 22.29549 | 13 09 50.33 | -08 16 22.0 | 19.6 | 7 809 | 1993 FU ₂₂ | 1993 03 27.25452 | 12 56 51.97 | -08 31 59.0 | 18.7 | 7 809 |
| 1993 FF ₂₂ | 1993 03 26.32604 | 13 06 04.33 | -08 01 58.0 | 19.6 | 7 809 | 1993 FV ₂₂ | * 1993 03 21.30174 | 13 01 50.63 | -08 35 26.5 | 19.4 | 7 809 |
| 1993 FG ₂₂ | * 1993 03 21.30174 | 13 11 17.12 | -08 35 25.6 | 19.4 | 7 809 | 1993 FV ₂₂ | 1993 03 22.29549 | 13 01 08.75 | -08 31 05.8 | 19.6 | 7 809 |
| 1993 FG ₂₂ | 1993 03 22.29549 | 13 10 12.18 | -08 37 45.9 | 18.7 | 7 809 | 1993 FV ₂₂ | 1993 03 26.32604 | 12 58 13.55 | -08 12 46.0 | 19.6 | 7 809 |
| 1993 FG ₂₂ | 1993 03 26.32604 | 13 05 39.12 | -08 46 33.6 | 19.6 | 7 809 | 1993 FW ₂₂ | * 1993 03 21.30174 | 13 02 23.06 | -10 01 15.3 | 19.4 | 7 809 |
| 1993 FH ₂₂ | * 1993 03 21.30174 | 13 11 24.40 | -07 36 59.1 | 19.4 | 7 809 | 1993 FW ₂₂ | 1993 03 22.29549 | 13 01 42.85 | -09 58 14.1 | 18.7 | 7 809 |
| 1993 FH ₂₂ | 1993 03 22.29549 | 13 10 45.88 | -07 32 54.9 | 19.7 | 7 809 | 1993 FW ₂₂ | 1993 03 26.32604 | 12 58 54.54 | -09 45 17.4 | 18.7 | 7 809 |
| 1993 FH ₂₂ | 1993 03 26.32604 | 13 08 02.76 | -07 15 44.4 | 18.7 | 7 809 | 1993 FX ₂₂ | * 1993 03 21.30174 | 13 02 31.69 | -09 29 10.6 | 17.7 | 7 809 |
| 1993 FH ₂₂ | 1993 03 27.25452 | 13 07 24.02 | -07 11 37.9 | 18.7 | 7 809 | 1993 FX ₂₂ | 1993 03 22.29549 | 13 01 46.71 | -09 25 37.0 | 17.9 | 7 809 |
| 1993 FJ ₂₂ | * 1993 03 21.30174 | 13 12 16.07 | -07 41 41.7 | 16.9 | 7 809 | 1993 FX ₂₂ | 1993 03 26.32604 | 12 58 31.82 | -09 09 31.4 | 17.9 | 7 809 |
| 1993 FJ ₂₂ | 1993 03 22.29549 | 13 11 36.09 | -07 37 59.5 | 17.0 | 7 809 | 1993 FX ₂₂ | 1993 03 27.25452 | 12 57 44.94 | -09 05 29.2 | 18.7 | 7 809 |
| 1993 FJ ₂₂ | 1993 03 26.32604 | 13 08 46.29 | -07 22 10.1 | 17.0 | 7 809 | 1993 FY ₂₂ | * 1993 03 21.30174 | 13 02 45.49 | -10 00 45.5 | 18.6 | 7 809 |
| 1993 FJ ₂₂ | 1993 03 27.25452 | 13 08 05.93 | -07 18 22.3 | 16.2 | 7 809 | 1993 FY ₂₂ | 1993 03 22.29549 | 13 02 00.22 | -09 58 46.0 | 18.7 | 7 809 |
| 1993 FK ₂₂ | * 1993 03 21.30174 | 13 12 36.82 | -07 33 52.4 | 18.6 | 7 809 | 1993 FY ₂₂ | 1993 03 26.32604 | 12 58 50.78 | -09 49 54.8 | 17.9 | 7 809 |
| 1993 FK ₂₂ | 1993 03 22.29549 | 13 11 58.46 | -07 29 58.0 | 18.7 | 7 809 | 1993 FY ₂₂ | 1993 03 27.25452 | 12 58 06.31 | -09 47 42.2 | 18.7 | 7 809 |
| 1993 FK ₂₂ | 1993 03 26.32604 | 13 09 17.63 | -07 13 37.2 | 18.7 | 7 809 | 1993 FZ ₂₂ | * 1993 03 21.30174 | 13 02 48.38 | -09 00 25.4 | 18.6 | 7 809 |
| 1993 FK ₂₂ | 1993 03 27.25452 | 13 08 39.79 | -07 09 44.1 | 18.7 | 7 809 | 1993 FZ ₂₂ | 1993 03 22.29549 | 13 01 56.69 | -08 55 23.6 | 18.7 | 7 809 |
| 1993 FL ₂₂ | * 1993 03 21.30174 | 13 12 38.89 | -08 27 04.3 | 20.3 | 7 809 | 1993 FZ ₂₂ | 1993 03 26.32604 | 12 58 16.49 | -08 33 32.9 | 18.7 | 7 809 |
| 1993 FL ₂₂ | 1993 03 22.29549 | 13 12 02.57 | -08 15 57.5 | 18.7 | 7 809 | 1993 FZ ₂₂ | 1993 03 27.25452 | 12 57 24.02 | -08 28 13.7 | 18.7 | 7 809 |
| 1993 FL ₂₂ | 1993 03 26.32604 | 13 09 26.35 | -07 29 38.3 | 19.6 | 7 809 | 1993 FA ₂₃ | * 1993 03 21.30174 | 13 02 52.46 | -09 25 54.8 | 17.7 | 7 809 |
| 1993 FM ₂₂ | * 1993 03 21.30174 | 13 12 43.38 | -07 43 01.4 | 19.4 | 7 809 | 1993 FA ₂₃ | 1993 03 22.29549 | 13 02 12.76 | -09 20 40.4 | 17.9 | 7 809 |
| 1993 FM ₂₂ | 1993 03 22.29549 | 13 12 04.27 | -07 34 06.1 | 18.7 | 7 809 | 1993 FA ₂₃ | 1993 03 26.32604 | 12 59 26.05 | -08 58 33.2 | 17.9 | 7 809 |
| 1993 FM ₂₂ | 1993 03 26.32604 | 13 09 17.85 | -06 56 59.9 | 19.6 | 7 809 | 1993 FA ₂₃ | 1993 03 27.25452 | 12 58 46.76 | -08 53 17.5 | 17.9 | 7 809 |
| 1993 FN ₂₂ | * 1993 03 21.30174 | 13 14 47.67 | -08 07 49.5 | 19.4 | 7 809 | 1993 FB ₂₃ | * 1993 03 21.30174 | 13 02 59.26 | -08 55 36.8 | 18.6 | 7 809 |
| 1993 FN ₂₂ | 1993 03 22.29549 | 13 14 06.65 | -08 01 51.2 | 18.7 | 7 809 | 1993 FB ₂₃ | 1993 03 22.29549 | 13 02 21.92 | -08 50 26.7 | 17.9 | 7 809 |
| 1993 FN ₂₂ | 1993 03 26.32604 | 13 11 08.61 | -07 36 18.3 | 19.6 | 7 809 | 1993 FB ₂₃ | 1993 03 26.32604 | 12 59 44.55 | -08 28 35.9 | 18.7 | 7 809 |
| 1993 FN ₂₂ | 1993 03 27.25452 | 13 10 25.52 | -07 30 09.2 | 19.6 | 7 809 | 1993 FB ₂₃ | 1993 03 27.25452 | 12 59 07.37 | -08 23 23.3 | 18.7 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FC ₂₃ | * 1993 03 21.30174 | 13 03 04.30 | -09 06 02.7 | 18.6 | 7 809 | 1993 FQ ₂₃ | 1993 03 26.32604 | 13 05 16.18 | -10 08 29.5 | 19.6 | 7 809 |
| 1993 FC ₂₃ | 1993 03 22.29549 | 13 02 17.69 | -09 02 39.8 | 18.7 | 7 809 | 1993 FQ ₂₃ | 1993 03 27.25452 | 13 04 27.56 | -10 01 25.9 | 19.6 | 7 809 |
| 1993 FC ₂₃ | 1993 03 26.32604 | 12 58 57.27 | -08 47 27.8 | 18.7 | 7 809 | 1993 FR ₂₃ | * 1993 03 21.30174 | 13 09 58.51 | -09 50 42.9 | 17.7 | 7 809 |
| 1993 FC ₂₃ | 1993 03 27.25452 | 12 58 09.33 | -08 43 40.8 | 18.7 | 7 809 | 1993 FR ₂₃ | 1993 03 22.29549 | 13 09 03.60 | -09 47 34.9 | 18.7 | 7 809 |
| 1993 FD ₂₃ | * 1993 03 21.30174 | 13 03 50.72 | -09 12 05.1 | 19.4 | 7 809 | 1993 FR ₂₃ | 1993 03 26.32604 | 13 05 12.87 | -09 33 52.8 | 18.7 | 7 809 |
| 1993 FD ₂₃ | 1993 03 22.29549 | 13 03 03.98 | -09 07 23.0 | 19.6 | 7 809 | 1993 FR ₂₃ | 1993 03 27.25452 | 13 04 18.32 | -09 30 30.3 | 17.9 | 7 809 |
| 1993 FD ₂₃ | 1993 03 26.32604 | 12 59 46.34 | -08 47 15.3 | 19.6 | 7 809 | 1993 FS ₂₃ | * 1993 03 21.30174 | 13 10 03.59 | -09 58 15.4 | 18.6 | 7 809 |
| 1993 FE ₂₃ | * 1993 03 21.30174 | 13 04 10.30 | -09 24 27.8 | 17.7 | 7 809 | 1993 FS ₂₃ | 1993 03 22.29549 | 13 09 19.91 | -09 54 42.1 | 19.6 | 7 809 |
| 1993 FE ₂₃ | 1993 03 22.29549 | 13 03 12.50 | -09 22 11.7 | 17.9 | 7 809 | 1993 FS ₂₃ | 1993 03 26.32604 | 13 06 15.65 | -09 39 21.6 | 18.7 | 7 809 |
| 1993 FE ₂₃ | 1993 03 26.32604 | 12 59 09.25 | -09 11 55.7 | 17.0 | 7 809 | 1993 FS ₂₃ | 1993 03 27.25452 | 13 05 31.94 | -09 35 36.5 | 18.7 | 7 809 |
| 1993 FE ₂₃ | 1993 03 27.25452 | 12 58 11.81 | -09 09 21.3 | 17.9 | 7 809 | 1993 FT ₂₃ | * 1993 03 21.30174 | 13 10 07.53 | -08 57 22.9 | 18.6 | 7 809 |
| 1993 FF ₂₃ | * 1993 03 21.30174 | 13 04 18.28 | -09 32 42.4 | 18.6 | 7 809 | 1993 FT ₂₃ | 1993 03 22.29549 | 13 09 28.01 | -08 53 36.5 | 17.9 | 7 809 |
| 1993 FF ₂₃ | 1993 03 22.29549 | 13 03 33.34 | -09 26 12.4 | 19.6 | 7 809 | 1993 FT ₂₃ | 1993 03 26.32604 | 13 06 40.83 | -08 37 28.1 | 17.9 | 7 809 |
| 1993 FF ₂₃ | 1993 03 26.32604 | 13 00 18.27 | -08 57 53.3 | 19.6 | 7 809 | 1993 FT ₂₃ | 1993 03 27.25452 | 13 06 01.09 | -08 33 33.8 | 17.9 | 7 809 |
| 1993 FF ₂₃ | 1993 03 27.25452 | 12 59 31.41 | -08 51 04.4 | 19.6 | 7 809 | 1993 FU ₂₃ | * 1993 03 21.30174 | 13 10 12.43 | -09 58 20.6 | 18.6 | 7 809 |
| 1993 FG ₂₃ | * 1993 03 21.30174 | 13 04 22.00 | -10 22 36.2 | 17.7 | 7 809 | 1993 FU ₂₃ | 1993 03 22.29549 | 13 09 33.87 | -09 52 08.7 | 19.6 | 7 809 |
| 1993 FG ₂₃ | 1993 03 22.29549 | 13 03 28.18 | -10 17 22.0 | 17.9 | 7 809 | 1993 FU ₂₃ | 1993 03 26.32604 | 13 06 48.96 | -09 25 45.1 | 18.7 | 7 809 |
| 1993 FG ₂₃ | 1993 03 26.32604 | 12 59 40.39 | -09 54 38.4 | 17.0 | 7 809 | 1993 FU ₂₃ | 1993 03 27.25452 | 13 06 09.43 | -09 19 22.1 | 19.6 | 7 809 |
| 1993 FG ₂₃ | 1993 03 27.25452 | 12 58 46.53 | -09 49 06.6 | 17.0 | 7 809 | 1993 FV ₂₃ | * 1993 03 21.30174 | 13 10 53.68 | -09 13 17.6 | 17.7 | 7 809 |
| 1993 FH ₂₃ | * 1993 03 21.30174 | 13 04 46.50 | -10 05 37.7 | 18.6 | 7 809 | 1993 FV ₂₃ | 1993 03 22.29549 | 13 10 04.84 | -09 10 33.9 | 17.9 | 7 809 |
| 1993 FH ₂₃ | 1993 03 22.29549 | 13 03 58.13 | -09 59 13.9 | 19.6 | 7 809 | 1993 FV ₂₃ | 1993 03 26.32604 | 13 06 37.57 | -08 58 25.9 | 17.0 | 7 809 |
| 1993 FH ₂₃ | 1993 03 26.32604 | 13 00 31.68 | -09 31 39.3 | 19.6 | 7 809 | 1993 FV ₂₃ | 1993 03 27.25452 | 13 05 48.37 | -08 55 24.6 | 17.9 | 7 809 |
| 1993 FH ₂₃ | 1993 03 27.25452 | 12 59 42.53 | -09 25 01.5 | 18.7 | 7 809 | 1993 FW ₂₃ | * 1993 03 21.30174 | 13 11 14.27 | -09 37 55.1 | 18.6 | 7 809 |
| 1993 FJ ₂₃ | * 1993 03 21.30174 | 13 05 14.08 | -09 48 45.9 | 18.6 | 7 809 | 1993 FW ₂₃ | 1993 03 22.29549 | 13 10 20.16 | -09 35 43.8 | 18.7 | 7 809 |
| 1993 FJ ₂₃ | 1993 03 22.29549 | 13 04 34.99 | -09 41 36.1 | 18.7 | 7 809 | 1993 FW ₂₃ | 1993 03 26.32604 | 13 06 30.04 | -09 25 46.3 | 19.6 | 7 809 |
| 1993 FJ ₂₃ | 1993 03 26.32604 | 13 01 50.55 | -09 11 34.7 | 18.7 | 7 809 | 1993 FW ₂₃ | 1993 03 27.25452 | 13 05 35.18 | -09 23 12.7 | 19.6 | 7 809 |
| 1993 FJ ₂₃ | 1993 03 27.25452 | 13 01 11.68 | -09 04 28.0 | 19.6 | 7 809 | 1993 FX ₂₃ | * 1993 03 21.30174 | 13 11 52.37 | -09 18 27.1 | 18.6 | 7 809 |
| 1993 FK ₂₃ | * 1993 03 21.30174 | 13 05 47.55 | -08 52 38.5 | 17.7 | 7 809 | 1993 FX ₂₃ | 1993 03 22.29549 | 13 11 12.03 | -09 15 04.7 | 18.7 | 7 809 |
| 1993 FK ₂₃ | 1993 03 22.29549 | 13 05 02.12 | -08 51 00.1 | 17.9 | 7 809 | 1993 FX ₂₃ | 1993 03 26.32604 | 13 08 20.82 | -09 00 29.5 | 18.7 | 7 809 |
| 1993 FK ₂₃ | 1993 03 26.32604 | 13 01 50.27 | -08 43 33.4 | 17.0 | 7 809 | 1993 FX ₂₃ | 1993 03 27.25452 | 13 07 40.06 | -08 56 55.9 | 18.7 | 7 809 |
| 1993 FK ₂₃ | 1993 03 27.25452 | 13 01 04.89 | -08 41 40.6 | 17.9 | 7 809 | 1993 FY ₂₃ | * 1993 03 21.30174 | 13 12 19.39 | -09 36 48.5 | 18.6 | 7 809 |
| 1993 FL ₂₃ | * 1993 03 21.30174 | 13 06 39.12 | -10 25 06.7 | 17.7 | 7 809 | 1993 FY ₂₃ | 1993 03 22.29549 | 13 11 37.08 | -09 33 19.3 | 17.9 | 7 809 |
| 1993 FL ₂₃ | 1993 03 22.29549 | 13 05 58.37 | -10 20 43.3 | 17.9 | 7 809 | 1993 FY ₂₃ | 1993 03 26.32604 | 13 08 38.92 | -09 18 24.8 | 18.7 | 7 809 |
| 1993 FL ₂₃ | 1993 03 26.32604 | 13 03 07.32 | -10 02 02.7 | 17.9 | 7 809 | 1993 FY ₂₃ | 1993 03 27.25452 | 13 07 56.75 | -09 14 48.0 | 18.7 | 7 809 |
| 1993 FL ₂₃ | 1993 03 27.25452 | 13 02 26.95 | -09 57 32.6 | 17.9 | 7 809 | 1993 FZ ₂₃ | * 1993 03 21.30174 | 13 12 39.78 | -08 49 30.0 | 17.7 | 7 809 |
| 1993 FM ₂₃ | * 1993 03 21.30174 | 13 07 33.56 | -08 44 11.8 | 18.6 | 7 809 | 1993 FZ ₂₃ | 1993 03 22.29549 | 13 11 52.99 | -08 48 59.0 | 17.9 | 7 809 |
| 1993 FM ₂₃ | 1993 03 22.29549 | 13 06 43.12 | -08 38 54.3 | 18.7 | 7 809 | 1993 FZ ₂₃ | 1993 03 26.32604 | 13 08 35.44 | -08 46 15.0 | 17.9 | 7 809 |
| 1993 FM ₂₃ | 1993 03 26.32604 | 13 03 11.48 | -08 16 30.6 | 19.6 | 7 809 | 1993 FA ₂₄ | * 1993 03 21.30174 | 13 13 14.43 | -09 01 17.5 | 20.3 | 7 809 |
| 1993 FM ₂₃ | 1993 03 27.25452 | 13 02 21.66 | -08 11 09.8 | 18.7 | 7 809 | 1993 FA ₂₄ | 1993 03 22.29549 | 13 12 33.04 | -08 57 21.4 | 19.6 | 7 809 |
| 1993 FN ₂₃ | * 1993 03 21.30174 | 13 07 36.33 | -10 20 10.1 | 19.4 | 7 809 | 1993 FA ₂₄ | 1993 03 26.32604 | 13 09 35.91 | -08 40 23.2 | 18.7 | 7 809 |
| 1993 FN ₂₃ | 1993 03 22.29549 | 13 06 53.50 | -10 15 25.1 | 19.6 | 7 809 | 1993 FB ₂₄ | * 1993 03 21.30174 | 13 13 38.67 | -10 34 43.7 | 17.7 | 7 809 |
| 1993 FN ₂₃ | 1993 03 26.32604 | 13 03 51.83 | -09 55 01.7 | 19.6 | 7 809 | 1993 FB ₂₄ | 1993 03 22.29549 | 13 12 44.22 | -10 31 52.3 | 18.7 | 7 809 |
| 1993 FO ₂₃ | * 1993 03 21.30174 | 13 08 12.75 | -10 43 09.8 | 17.7 | 7 809 | 1993 FB ₂₄ | 1993 03 26.32604 | 13 08 51.30 | -10 18 55.7 | 17.9 | 7 809 |
| 1993 FO ₂₃ | 1993 03 22.29549 | 13 07 36.58 | -10 33 50.3 | 17.9 | 7 809 | 1993 FB ₂₄ | 1993 03 27.25452 | 13 07 55.67 | -10 15 40.5 | 17.9 | 7 809 |
| 1993 FO ₂₃ | 1993 03 26.32604 | 13 05 00.93 | -09 54 16.5 | 17.0 | 7 809 | 1993 FC ₂₄ | * 1993 03 21.30174 | 13 13 38.96 | -08 36 47.2 | 18.6 | 7 809 |
| 1993 FO ₂₃ | 1993 03 27.25452 | 13 04 23.53 | -09 44 50.6 | 17.9 | 7 809 | 1993 FC ₂₄ | 1993 03 22.29549 | 13 12 50.00 | -08 33 00.0 | 18.7 | 7 809 |
| 1993 FP ₂₃ | * 1993 03 21.30174 | 13 09 06.92 | -10 16 51.7 | 18.6 | 7 809 | 1993 FC ₂₄ | 1993 03 26.32604 | 13 09 20.77 | -08 16 35.0 | 19.6 | 7 809 |
| 1993 FP ₂₃ | 1993 03 22.29549 | 13 08 16.52 | -10 12 27.9 | 18.7 | 7 809 | 1993 FD ₂₄ | * 1993 03 21.30174 | 13 13 48.15 | -09 07 15.1 | 18.6 | 7 809 |
| 1993 FP ₂₃ | 1993 03 26.32604 | 13 04 44.71 | -09 53 38.9 | 18.7 | 7 809 | 1993 FD ₂₄ | 1993 03 22.29549 | 13 13 07.74 | -09 02 25.1 | 18.7 | 7 809 |
| 1993 FP ₂₃ | 1993 03 27.25452 | 13 03 55.00 | -09 49 08.6 | 19.6 | 7 809 | 1993 FD ₂₄ | 1993 03 26.32604 | 13 10 11.38 | -08 41 19.6 | 18.7 | 7 809 |
| 1993 FQ ₂₃ | * 1993 03 21.30174 | 13 09 29.96 | -10 44 55.7 | 19.4 | 7 809 | 1993 FD ₂₄ | 1993 03 27.25452 | 13 09 28.58 | -08 36 09.2 | 17.9 | 7 809 |
| 1993 FQ ₂₃ | 1993 03 22.29549 | 13 08 41.46 | -10 37 59.1 | 19.6 | 7 809 | 1993 FE ₂₄ | * 1993 03 21.21493 | 12 37 40.18 | -06 54 50.7 | 17.0 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FE ₂₄ | 1993 03 22.20660 | 12 36 52.02 | -06 49 28.0 | 16.6 | 7 809 | 1993 FW ₂₄ | 1993 03 26.20174 | 12 43 18.30 | -06 52 47.4 | 19.0 | 7 809 |
| 1993 FE ₂₄ | 1993 03 26.20174 | 12 33 32.99 | -06 26 49.9 | 17.3 | 7 809 | 1993 FX ₂₄ | * 1993 03 21.21493 | 12 48 20.05 | -07 55 47.9 | 17.0 | 7 809 |
| 1993 FF ₂₄ | * 1993 03 21.21493 | 12 38 18.98 | -06 21 52.4 | 17.9 | 7 809 | 1993 FX ₂₄ | 1993 03 22.20660 | 12 47 28.30 | -07 49 19.2 | 17.5 | 7 809 |
| 1993 FF ₂₄ | 1993 03 22.20660 | 12 37 25.23 | -06 17 16.6 | 18.3 | 7 809 | 1993 FX ₂₄ | 1993 03 26.20174 | 12 43 53.67 | -07 22 08.1 | 17.3 | 7 809 |
| 1993 FF ₂₄ | 1993 03 26.20174 | 12 33 42.88 | -05 57 52.3 | 19.0 | 7 809 | 1993 FY ₂₄ | * 1993 03 21.21493 | 12 48 21.68 | -06 17 22.9 | 17.9 | 7 809 |
| 1993 FG ₂₄ | * 1993 03 21.21493 | 12 38 51.61 | -06 07 41.4 | 17.0 | 7 809 | 1993 FY ₂₄ | 1993 03 22.20660 | 12 47 32.99 | -06 11 16.4 | 17.5 | 7 809 |
| 1993 FG ₂₄ | 1993 03 22.20660 | 12 38 11.34 | -06 00 36.5 | 16.6 | 7 809 | 1993 FY ₂₄ | 1993 03 26.20174 | 12 44 07.88 | -05 45 27.9 | 17.3 | 7 809 |
| 1993 FG ₂₄ | 1993 03 26.20174 | 12 35 25.44 | -05 31 22.4 | 16.4 | 7 809 | 1993 FZ ₂₄ | * 1993 03 21.21493 | 12 48 37.68 | -08 13 36.4 | 17.9 | 7 809 |
| 1993 FH ₂₄ | * 1993 03 21.21493 | 12 40 04.92 | -06 48 37.2 | 17.0 | 7 809 | 1993 FZ ₂₄ | 1993 03 22.20660 | 12 47 50.44 | -08 10 00.8 | 17.5 | 7 809 |
| 1993 FH ₂₄ | 1993 03 22.20660 | 12 39 19.83 | -06 42 22.8 | 17.5 | 7 809 | 1993 FZ ₂₄ | 1993 03 26.20174 | 12 44 35.18 | -07 54 44.5 | 18.1 | 7 809 |
| 1993 FH ₂₄ | 1993 03 26.20174 | 12 36 14.13 | -06 16 27.4 | 17.3 | 7 809 | 1993 FA ₂₅ | * 1993 03 21.21493 | 12 48 51.60 | -06 35 02.8 | 18.7 | 7 809 |
| 1993 FJ ₂₄ | * 1993 03 21.21493 | 12 40 05.15 | -06 46 20.1 | 17.9 | 7 809 | 1993 FA ₂₅ | 1993 03 22.20660 | 12 48 10.03 | -06 26 00.0 | 18.3 | 7 809 |
| 1993 FJ ₂₄ | 1993 03 22.20660 | 12 39 09.75 | -06 41 51.0 | 17.5 | 7 809 | 1993 FA ₂₅ | 1993 03 26.20174 | 12 45 15.89 | -05 48 25.2 | 17.3 | 7 809 |
| 1993 FJ ₂₄ | 1993 03 26.20174 | 12 35 21.08 | -06 22 45.1 | 18.1 | 7 809 | 1993 FB ₂₅ | * 1993 03 21.21493 | 12 48 57.79 | -06 43 39.5 | 17.9 | 7 809 |
| 1993 FK ₂₄ | * 1993 03 21.21493 | 12 40 27.98 | -06 40 29.2 | 17.9 | 7 809 | 1993 FB ₂₅ | 1993 03 22.20660 | 12 48 15.84 | -06 39 33.3 | 17.5 | 7 809 |
| 1993 FK ₂₄ | 1993 03 22.20660 | 12 39 30.99 | -06 36 15.0 | 18.3 | 7 809 | 1993 FB ₂₅ | 1993 03 26.20174 | 12 45 22.28 | -06 22 21.6 | 17.3 | 7 809 |
| 1993 FK ₂₄ | 1993 03 26.20174 | 12 35 37.36 | -06 18 21.3 | 18.1 | 7 809 | 1993 FC ₂₅ | * 1993 03 21.21493 | 12 49 18.31 | -06 54 13.4 | 17.9 | 7 809 |
| 1993 FL ₂₄ | * 1993 03 21.21493 | 12 40 45.30 | -05 57 04.0 | 17.0 | 7 809 | 1993 FC ₂₅ | 1993 03 22.20660 | 12 48 38.76 | -06 47 28.8 | 18.3 | 7 809 |
| 1993 FL ₂₄ | 1993 03 22.20660 | 12 39 47.77 | -05 52 15.4 | 17.5 | 7 809 | 1993 FC ₂₅ | 1993 03 26.20174 | 12 45 55.13 | -06 19 40.2 | 19.0 | 7 809 |
| 1993 FL ₂₄ | 1993 03 26.20174 | 12 35 51.01 | -05 32 09.9 | 18.1 | 7 809 | 1993 FD ₂₅ | * 1993 03 21.21493 | 12 49 24.35 | -08 28 59.4 | 17.9 | 7 809 |
| 1993 FM ₂₄ | * 1993 03 21.21493 | 12 41 07.97 | -07 42 26.3 | 17.9 | 7 809 | 1993 FD ₂₅ | 1993 03 22.20660 | 12 48 28.43 | -08 26 44.2 | 17.5 | 7 809 |
| 1993 FM ₂₄ | 1993 03 22.20660 | 12 40 17.26 | -07 36 47.3 | 17.5 | 7 809 | 1993 FD ₂₅ | 1993 03 26.20174 | 12 44 35.11 | -08 16 34.7 | 17.3 | 7 809 |
| 1993 FM ₂₄ | 1993 03 26.20174 | 12 36 46.71 | -07 12 52.0 | 18.1 | 7 809 | 1993 FE ₂₅ | * 1993 03 21.21493 | 12 49 27.24 | -05 56 13.1 | 18.7 | 7 809 |
| 1993 FN ₂₄ | * 1993 03 21.21493 | 12 41 20.05 | -07 30 40.3 | 17.9 | 7 809 | 1993 FE ₂₅ | 1993 03 22.20660 | 12 48 44.52 | -05 51 46.7 | 17.5 | 7 809 |
| 1993 FN ₂₄ | 1993 03 22.20660 | 12 40 30.70 | -07 26 16.5 | 18.3 | 7 809 | 1993 FE ₂₅ | 1993 03 26.20174 | 12 45 48.41 | -05 33 28.9 | 19.0 | 7 809 |
| 1993 FN ₂₄ | 1993 03 26.20174 | 12 37 05.94 | -07 07 34.2 | 19.0 | 7 809 | 1993 FF ₂₅ | * 1993 03 21.21493 | 12 50 53.34 | -08 20 52.4 | 17.0 | 7 809 |
| 1993 FO ₂₄ | * 1993 03 21.21493 | 12 43 25.61 | -07 07 30.9 | 17.9 | 7 809 | 1993 FF ₂₅ | 1993 03 22.20660 | 12 50 07.31 | -08 12 57.2 | 17.5 | 7 809 |
| 1993 FO ₂₄ | 1993 03 22.20660 | 12 42 40.32 | -07 04 11.5 | 17.5 | 7 809 | 1993 FF ₂₅ | 1993 03 26.20174 | 12 46 53.91 | -07 39 32.4 | 17.3 | 7 809 |
| 1993 FO ₂₄ | 1993 03 26.20174 | 12 39 34.80 | -06 50 13.6 | 18.1 | 7 809 | 1993 FG ₂₅ | * 1993 03 21.21493 | 12 51 59.00 | -06 54 08.4 | 17.0 | 7 809 |
| 1993 FP ₂₄ | * 1993 03 21.21493 | 12 43 33.67 | -06 06 16.3 | 18.7 | 7 809 | 1993 FG ₂₅ | 1993 03 22.20660 | 12 51 15.11 | -06 49 55.0 | 16.6 | 7 809 |
| 1993 FP ₂₄ | 1993 03 22.20660 | 12 42 53.99 | -05 59 34.2 | 17.5 | 7 809 | 1993 FG ₂₅ | 1993 03 26.20174 | 12 48 13.05 | -06 32 14.3 | 16.4 | 7 809 |
| 1993 FP ₂₄ | 1993 03 26.20174 | 12 40 10.70 | -05 32 05.0 | 19.0 | 7 809 | 1993 FH ₂₅ | * 1993 03 21.21493 | 12 52 01.73 | -07 30 57.8 | 16.2 | 7 809 |
| 1993 FQ ₂₄ | * 1993 03 21.21493 | 12 43 43.00 | -07 28 43.4 | 17.9 | 7 809 | 1993 FH ₂₅ | 1993 03 22.20660 | 12 51 14.94 | -07 24 01.1 | 16.6 | 7 809 |
| 1993 FQ ₂₄ | 1993 03 22.20660 | 12 42 59.87 | -07 22 20.0 | 17.5 | 7 809 | 1993 FH ₂₅ | 1993 03 26.20174 | 12 47 59.49 | -06 54 55.4 | 16.4 | 7 809 |
| 1993 FQ ₂₄ | 1993 03 26.20174 | 12 40 02.24 | -06 55 50.7 | 18.1 | 7 809 | 1993 FJ ₂₅ | * 1993 03 21.21493 | 12 52 11.37 | -07 47 53.5 | 17.9 | 7 809 |
| 1993 FR ₂₄ | * 1993 03 21.21493 | 12 43 52.57 | -07 25 20.7 | 17.0 | 7 809 | 1993 FJ ₂₅ | 1993 03 22.20660 | 12 51 21.67 | -07 44 21.9 | 18.3 | 7 809 |
| 1993 FR ₂₄ | 1993 03 22.20660 | 12 43 03.82 | -07 17 08.0 | 17.5 | 7 809 | 1993 FJ ₂₅ | 1993 03 26.20174 | 12 47 55.38 | -07 29 17.3 | 18.1 | 7 809 |
| 1993 FR ₂₄ | 1993 03 26.20174 | 12 39 42.30 | -06 43 03.0 | 17.3 | 7 809 | 1993 FK ₂₅ | * 1993 03 21.21493 | 12 53 20.08 | -07 44 40.9 | 17.9 | 7 809 |
| 1993 FS ₂₄ | * 1993 03 21.21493 | 12 46 02.55 | -07 04 20.7 | 17.9 | 7 809 | 1993 FK ₂₅ | 1993 03 22.20660 | 12 52 29.43 | -07 39 00.8 | 18.3 | 7 809 |
| 1993 FS ₂₄ | 1993 03 22.20660 | 12 45 11.31 | -07 01 30.6 | 17.5 | 7 809 | 1993 FK ₂₅ | 1993 03 26.20174 | 12 49 00.29 | -07 15 21.7 | 18.1 | 7 809 |
| 1993 FS ₂₄ | 1993 03 26.20174 | 12 41 38.70 | -06 49 15.6 | 17.3 | 7 809 | 1993 FL ₂₅ | * 1993 03 21.21493 | 12 53 48.36 | -08 27 32.6 | 16.2 | 7 809 |
| 1993 FT ₂₄ | * 1993 03 21.21493 | 12 46 34.01 | -06 39 02.1 | 17.0 | 7 809 | 1993 FL ₂₅ | 1993 03 21.30174 | 12 53 45.06 | -08 26 39.7 | 17.7 | 7 809 |
| 1993 FT ₂₄ | 1993 03 22.20660 | 12 45 51.52 | -06 27 01.1 | 16.6 | 7 809 | 1993 FL ₂₅ | 1993 03 22.20660 | 12 53 12.37 | -08 17 34.3 | 17.5 | 7 809 |
| 1993 FT ₂₄ | 1993 03 26.20174 | 12 42 55.81 | -05 37 53.2 | 16.4 | 7 809 | 1993 FL ₂₅ | 1993 03 26.20174 | 12 50 42.10 | -07 36 25.8 | 17.3 | 7 809 |
| 1993 FU ₂₄ | * 1993 03 21.21493 | 12 46 53.21 | -06 20 10.7 | 17.9 | 7 809 | 1993 FM ₂₅ | * 1993 03 21.30174 | 12 54 22.66 | -07 49 04.7 | 17.7 | 7 809 |
| 1993 FU ₂₄ | 1993 03 22.20660 | 12 46 05.78 | -06 15 53.9 | 17.5 | 7 809 | 1993 FM ₂₅ | 1993 03 22.20660 | 12 53 44.48 | -07 44 57.3 | 17.5 | 7 809 |
| 1993 FU ₂₄ | 1993 03 26.20174 | 12 42 49.38 | -05 58 00.2 | 17.3 | 7 809 | 1993 FM ₂₅ | 1993 03 22.29549 | 12 53 40.60 | -07 44 32.2 | 17.9 | 7 809 |
| 1993 FV ₂₄ | * 1993 03 21.21493 | 12 47 14.71 | -07 47 22.4 | 17.9 | 7 809 | 1993 FM ₂₅ | 1993 03 26.20174 | 12 50 49.98 | -07 25 55.6 | 18.1 | 7 809 |
| 1993 FV ₂₄ | 1993 03 22.20660 | 12 46 25.44 | -07 42 32.4 | 17.5 | 7 809 | 1993 FN ₂₅ | * 1993 03 21.30174 | 12 54 58.49 | -07 25 45.3 | 17.7 | 7 809 |
| 1993 FV ₂₄ | 1993 03 26.20174 | 12 42 58.62 | -07 21 49.2 | 17.3 | 7 809 | 1993 FN ₂₅ | 1993 03 22.20660 | 12 54 15.21 | -07 21 40.9 | 17.5 | 7 809 |
| 1993 FW ₂₄ | * 1993 03 21.21493 | 12 48 07.11 | -07 21 04.6 | 17.9 | 7 809 | 1993 FN ₂₅ | 1993 03 22.29549 | 12 54 10.95 | -07 21 16.3 | 17.9 | 7 809 |
| 1993 FW ₂₄ | 1993 03 22.20660 | 12 47 11.34 | -07 15 41.0 | 17.5 | 7 809 | 1993 FN ₂₅ | 1993 03 26.20174 | 12 50 57.78 | -07 02 49.2 | 17.3 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FO ₂₅ | * 1993 03 21.30174 | 12 55 51.51 | -06 37 27.6 | 17.7 | 7 809 | 1993 FE ₂₆ | 1993 03 26.11354 | 12 32 33.84 | -07 20 31.3 | 18.1 | 7 809 |
| 1993 FO ₂₅ | 1993 03 22.29549 | 12 54 57.75 | -06 31 09.9 | 17.9 | 7 809 | 1993 FF ₂₆ | * 1993 03 21.21493 | 12 36 38.29 | -07 18 39.6 | 17.9 | 7 809 |
| 1993 FO ₂₅ | 1993 03 26.20174 | 12 51 19.63 | -06 05 34.5 | 17.3 | 7 809 | 1993 FF ₂₆ | 1993 03 22.20660 | 12 35 36.59 | -07 14 21.0 | 18.3 | 7 809 |
| 1993 FP ₂₅ | * 1993 03 21.30174 | 12 56 29.12 | -08 08 53.9 | 18.6 | 7 809 | 1993 FF ₂₆ | 1993 03 26.11354 | 12 31 30.03 | -06 56 31.9 | 18.1 | 7 809 |
| 1993 FP ₂₅ | 1993 03 22.29549 | 12 55 49.74 | -08 03 26.0 | 18.7 | 7 809 | 1993 FG ₂₆ | * 1993 03 21.21493 | 12 36 50.94 | -06 22 43.5 | 17.9 | 7 809 |
| 1993 FP ₂₅ | 1993 03 26.20174 | 12 53 09.98 | -07 41 15.3 | 19.0 | 7 809 | 1993 FG ₂₆ | 1993 03 22.20660 | 12 35 55.81 | -06 18 16.3 | 17.5 | 7 809 |
| 1993 FQ ₂₅ | * 1993 03 21.30174 | 12 56 51.13 | -08 36 52.8 | 17.7 | 7 809 | 1993 FG ₂₆ | 1993 03 26.11354 | 12 32 14.62 | -05 59 58.5 | 17.2 | 7 809 |
| 1993 FQ ₂₅ | 1993 03 22.29549 | 12 56 03.22 | -08 32 36.6 | 17.9 | 7 809 | 1993 FH ₂₆ | * 1993 03 21.21493 | 12 40 39.56 | -10 01 38.2 | 17.9 | 7 809 |
| 1993 FQ ₂₅ | 1993 03 26.20174 | 12 52 48.02 | -08 14 52.7 | 17.3 | 7 809 | 1993 FH ₂₆ | 1993 03 22.20660 | 12 39 52.66 | -09 57 38.2 | 17.5 | 7 809 |
| 1993 FR ₂₅ | * 1993 03 21.30174 | 12 56 53.35 | -08 33 52.8 | 17.7 | 7 809 | 1993 FH ₂₆ | 1993 03 26.20174 | 12 36 39.15 | -09 40 34.6 | 19.0 | 7 809 |
| 1993 FR ₂₅ | 1993 03 22.29549 | 12 56 05.72 | -08 28 34.9 | 17.9 | 7 809 | 1993 FJ ₂₆ | * 1993 03 21.21493 | 12 41 31.13 | -10 39 43.7 | 17.0 | 7 809 |
| 1993 FR ₂₅ | 1993 03 26.20174 | 12 52 50.63 | -08 06 32.8 | 17.3 | 7 809 | 1993 FJ ₂₆ | 1993 03 22.20660 | 12 40 41.35 | -10 36 18.5 | 18.3 | 7 809 |
| 1993 FS ₂₅ | * 1993 03 21.30174 | 12 57 08.07 | -07 15 34.8 | 18.6 | 7 809 | 1993 FJ ₂₆ | 1993 03 26.20174 | 12 37 14.47 | -10 21 17.9 | 17.3 | 7 809 |
| 1993 FS ₂₅ | 1993 03 22.29549 | 12 56 19.81 | -07 09 44.4 | 17.9 | 7 809 | 1993 FK ₂₆ | * 1993 03 21.21493 | 12 41 50.20 | -10 17 07.2 | 17.9 | 7 809 |
| 1993 FS ₂₅ | 1993 03 26.20174 | 12 53 02.06 | -06 45 43.0 | 17.3 | 7 809 | 1993 FK ₂₆ | 1993 03 22.20660 | 12 40 57.96 | -10 12 13.9 | 18.3 | 7 809 |
| 1993 FT ₂₅ | * 1993 03 21.30174 | 12 57 38.68 | -09 46 35.1 | 16.9 | 7 809 | 1993 FK ₂₆ | 1993 03 26.20174 | 12 37 20.95 | -09 51 00.4 | 18.1 | 7 809 |
| 1993 FT ₂₅ | 1993 03 22.29549 | 12 56 51.02 | -09 43 02.0 | 17.0 | 7 809 | 1993 FL ₂₆ | * 1993 03 21.21493 | 12 42 21.84 | -09 57 04.9 | 18.7 | 7 809 |
| 1993 FT ₂₅ | 1993 03 26.20174 | 12 53 34.52 | -09 27 42.8 | 15.6 | 7 809 | 1993 FL ₂₆ | 1993 03 22.20660 | 12 41 22.86 | -09 52 48.5 | 19.2 | 7 809 |
| 1993 FU ₂₅ | * 1993 03 21.21493 | 12 33 30.02 | -07 12 46.7 | 17.9 | 7 809 | 1993 FL ₂₆ | 1993 03 26.20174 | 12 37 18.14 | -09 34 11.3 | 19.0 | 7 809 |
| 1993 FU ₂₅ | 1993 03 22.12465 | 12 32 46.90 | -07 08 15.2 | 17.9 | 7 809 | 1993 FM ₂₆ | * 1993 03 21.21493 | 12 42 24.27 | -09 49 44.8 | 17.9 | 7 809 |
| 1993 FU ₂₅ | 1993 03 22.20660 | 12 32 43.01 | -07 07 50.3 | 17.5 | 7 809 | 1993 FM ₂₆ | 1993 03 22.20660 | 12 41 41.07 | -09 40 58.3 | 18.3 | 7 809 |
| 1993 FU ₂₅ | 1993 03 26.11354 | 12 29 35.79 | -06 47 46.8 | 17.2 | 7 809 | 1993 FM ₂₆ | 1993 03 26.20174 | 12 38 42.74 | -09 04 28.2 | 18.1 | 7 809 |
| 1993 FV ₂₅ | * 1993 03 21.21493 | 12 33 39.02 | -06 41 40.1 | 16.2 | 7 809 | 1993 FN ₂₆ | * 1993 03 21.21493 | 12 43 27.75 | -10 08 25.1 | 15.3 | 7 809 |
| 1993 FV ₂₅ | 1993 03 22.12465 | 12 33 01.12 | -06 30 56.0 | 17.0 | 7 809 | 1993 FN ₂₆ | 1993 03 22.20660 | 12 42 41.21 | -10 03 59.4 | 15.8 | 7 809 |
| 1993 FV ₂₅ | 1993 03 22.20660 | 12 32 57.79 | -06 29 57.3 | 16.6 | 7 809 | 1993 FN ₂₆ | 1993 03 26.20174 | 12 39 28.73 | -09 44 58.0 | 15.6 | 7 809 |
| 1993 FV ₂₅ | 1993 03 26.11354 | 12 30 11.70 | -05 42 43.3 | 16.4 | 7 809 | 1993 FO ₂₆ | * 1993 03 21.21493 | 12 43 38.32 | -10 33 14.9 | 17.9 | 7 809 |
| 1993 FW ₂₅ | * 1993 03 21.21493 | 12 34 15.50 | -06 25 20.6 | 17.9 | 7 809 | 1993 FO ₂₆ | 1993 03 22.20660 | 12 42 45.30 | -10 30 29.2 | 17.5 | 7 809 |
| 1993 FW ₂₅ | 1993 03 22.20660 | 12 33 13.37 | -06 21 38.9 | 17.5 | 7 809 | 1993 FO ₂₆ | 1993 03 26.20174 | 12 39 07.71 | -10 18 21.7 | 17.3 | 7 809 |
| 1993 FW ₂₅ | 1993 03 26.11354 | 12 29 03.20 | -06 06 15.4 | 17.2 | 7 809 | 1993 FP ₂₆ | * 1993 03 21.21493 | 12 43 54.53 | -09 43 54.7 | 16.2 | 7 809 |
| 1993 FX ₂₅ | * 1993 03 21.21493 | 12 34 36.00 | -07 55 33.9 | 18.7 | 7 809 | 1993 FP ₂₆ | 1993 03 22.20660 | 12 43 03.98 | -09 40 29.9 | 17.5 | 7 809 |
| 1993 FX ₂₅ | 1993 03 22.20660 | 12 33 38.49 | -07 51 51.1 | 18.3 | 7 809 | 1993 FP ₂₆ | 1993 03 26.20174 | 12 39 34.96 | -09 25 25.2 | 16.4 | 7 809 |
| 1993 FX ₂₅ | 1993 03 26.11354 | 12 29 46.56 | -07 36 10.5 | 18.9 | 7 809 | 1993 FQ ₂₆ | * 1993 03 21.21493 | 12 44 24.13 | -08 09 16.1 | 17.9 | 7 809 |
| 1993 FY ₂₅ | * 1993 03 21.21493 | 12 34 44.05 | -06 58 30.0 | 17.9 | 7 809 | 1993 FQ ₂₆ | 1993 03 22.20660 | 12 43 31.90 | -08 05 12.1 | 17.5 | 7 809 |
| 1993 FY ₂₅ | 1993 03 22.20660 | 12 34 04.48 | -06 49 37.1 | 18.3 | 7 809 | 1993 FQ ₂₆ | 1993 03 26.20174 | 12 39 52.78 | -07 47 26.7 | 17.3 | 7 809 |
| 1993 FY ₂₅ | 1993 03 26.11354 | 12 31 26.22 | -06 14 03.8 | 19.7 | 7 809 | 1993 FR ₂₆ | * 1993 03 21.21493 | 12 44 26.47 | -09 37 27.1 | 17.0 | 7 809 |
| 1993 FZ ₂₅ | * 1993 03 21.21493 | 12 35 19.40 | -06 30 10.6 | 17.0 | 7 809 | 1993 FR ₂₆ | 1993 03 22.20660 | 12 43 38.54 | -09 35 28.1 | 16.6 | 7 809 |
| 1993 FZ ₂₅ | 1993 03 22.20660 | 12 34 35.06 | -06 25 24.8 | 17.5 | 7 809 | 1993 FR ₂₆ | 1993 03 26.20174 | 12 40 21.03 | -09 26 39.8 | 15.6 | 7 809 |
| 1993 FZ ₂₅ | 1993 03 26.11354 | 12 31 37.75 | -06 06 07.1 | 17.2 | 7 809 | 1993 FS ₂₆ | * 1993 03 21.21493 | 12 45 19.83 | -09 54 22.5 | 17.0 | 7 809 |
| 1993 FA ₂₆ | * 1993 03 21.21493 | 12 35 26.91 | -06 04 51.9 | 17.0 | 7 809 | 1993 FS ₂₆ | 1993 03 22.20660 | 12 44 28.99 | -09 50 00.9 | 16.6 | 7 809 |
| 1993 FA ₂₆ | 1993 03 22.20660 | 12 34 38.90 | -06 00 35.8 | 17.5 | 7 809 | 1993 FS ₂₆ | 1993 03 26.20174 | 12 40 57.09 | -09 31 02.1 | 15.6 | 7 809 |
| 1993 FA ₂₆ | 1993 03 26.11354 | 12 31 27.43 | -05 43 18.1 | 17.2 | 7 809 | 1993 FT ₂₆ | * 1993 03 21.21493 | 12 45 56.12 | -09 40 16.0 | 17.0 | 7 809 |
| 1993 FB ₂₆ | * 1993 03 21.21493 | 12 35 27.63 | -06 34 29.5 | 17.9 | 7 809 | 1993 FT ₂₆ | 1993 03 22.20660 | 12 45 00.67 | -09 33 25.0 | 17.5 | 7 809 |
| 1993 FB ₂₆ | 1993 03 22.20660 | 12 34 31.78 | -06 30 11.7 | 17.5 | 7 809 | 1993 FT ₂₆ | 1993 03 26.20174 | 12 41 12.25 | -09 04 31.8 | 17.3 | 7 809 |
| 1993 FB ₂₆ | 1993 03 26.11354 | 12 30 44.18 | -06 12 06.4 | 17.2 | 7 809 | 1993 FU ₂₆ | * 1993 03 21.21493 | 12 46 40.76 | -08 21 18.3 | 18.7 | 7 809 |
| 1993 FC ₂₆ | * 1993 03 21.21493 | 12 35 37.69 | -06 49 23.4 | 17.9 | 7 809 | 1993 FU ₂₆ | 1993 03 22.20660 | 12 45 53.18 | -08 14 53.9 | 18.3 | 7 809 |
| 1993 FC ₂₆ | 1993 03 22.20660 | 12 34 46.22 | -06 45 32.7 | 19.2 | 7 809 | 1993 FU ₂₆ | 1993 03 26.20174 | 12 42 36.16 | -07 48 07.0 | 19.0 | 7 809 |
| 1993 FC ₂₆ | 1993 03 26.11354 | 12 31 18.24 | -06 29 22.1 | 18.9 | 7 809 | 1993 FV ₂₆ | * 1993 03 21.21493 | 12 47 27.37 | -10 19 11.8 | 17.0 | 7 809 |
| 1993 FD ₂₆ | * 1993 03 21.21493 | 12 36 00.73 | -07 13 16.7 | 17.0 | 7 809 | 1993 FV ₂₆ | 1993 03 22.20660 | 12 46 33.09 | -10 11 00.3 | 17.5 | 7 809 |
| 1993 FD ₂₆ | 1993 03 22.20660 | 12 35 08.80 | -07 09 01.2 | 17.5 | 7 809 | 1993 FV ₂₆ | 1993 03 26.20174 | 12 42 49.13 | -09 36 39.8 | 17.3 | 7 809 |
| 1993 FD ₂₆ | 1993 03 26.11354 | 12 31 37.56 | -06 51 01.6 | 16.4 | 7 809 | 1993 FW ₂₆ | * 1993 03 21.21493 | 12 48 12.58 | -08 41 11.4 | 17.9 | 7 809 |
| 1993 FE ₂₆ | * 1993 03 21.21493 | 12 36 23.64 | -07 59 56.2 | 17.9 | 7 809 | 1993 FW ₂₆ | 1993 03 22.20660 | 12 47 25.09 | -08 39 04.3 | 17.5 | 7 809 |
| 1993 FE ₂₆ | 1993 03 22.20660 | 12 35 37.63 | -07 52 07.2 | 18.3 | 7 809 | 1993 FW ₂₆ | 1993 03 26.20174 | 12 44 09.27 | -08 29 49.8 | 17.3 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FX ₂₆ | * 1993 03 21.21493 | 12 49 08.97 | -09 44 19.8 | 17.9 | 7 809 | 1993 FO ₂₇ | 1993 03 22.12465 | 12 22 28.52 | -07 03 33.7 | 17.9 | 7 809 |
| 1993 FX ₂₆ | 1993 03 22.20660 | 12 48 24.97 | -09 40 33.0 | 17.5 | 7 809 | 1993 FO ₂₇ | 1993 03 26.11354 | 12 18 50.36 | -06 36 40.7 | 18.1 | 7 809 |
| 1993 FX ₂₆ | 1993 03 26.20174 | 12 45 22.42 | -09 24 20.4 | 18.1 | 7 809 | 1993 FP ₂₇ | * 1993 03 21.12743 | 12 23 27.36 | -07 13 15.2 | 20.3 | 7 809 |
| 1993 FY ₂₆ | * 1993 03 21.21493 | 12 50 50.49 | -10 00 44.3 | 17.0 | 7 809 | 1993 FP ₂₇ | 1993 03 22.12465 | 12 22 43.03 | -07 08 20.4 | 17.9 | 7 809 |
| 1993 FY ₂₆ | 1993 03 22.20660 | 12 50 08.89 | -09 50 43.4 | 17.5 | 7 809 | 1993 FP ₂₇ | 1993 03 26.11354 | 12 19 42.60 | -06 47 47.4 | 18.9 | 7 809 |
| 1993 FY ₂₆ | 1993 03 26.20174 | 12 47 14.69 | -09 08 50.5 | 17.3 | 7 809 | 1993 FQ ₂₇ | * 1993 03 21.12743 | 12 24 23.15 | -07 26 33.3 | 18.6 | 7 809 |
| 1993 FZ ₂₆ | * 1993 03 21.21493 | 12 51 13.52 | -08 45 07.1 | 17.9 | 7 809 | 1993 FQ ₂₇ | 1993 03 22.12465 | 12 23 31.51 | -07 21 00.2 | 18.7 | 7 809 |
| 1993 FZ ₂₆ | 1993 03 22.20660 | 12 50 29.38 | -08 39 52.9 | 17.5 | 7 809 | 1993 FQ ₂₇ | 1993 03 26.11354 | 12 20 02.79 | -06 57 57.9 | 18.9 | 7 809 |
| 1993 FZ ₂₆ | 1993 03 26.20174 | 12 47 26.16 | -08 17 49.4 | 18.1 | 7 809 | 1993 FR ₂₇ | * 1993 03 21.12743 | 12 24 54.97 | -06 53 25.5 | 17.8 | 7 809 |
| 1993 FA ₂₇ | * 1993 03 21.21493 | 12 52 17.60 | -09 48 22.0 | 17.0 | 7 809 | 1993 FR ₂₇ | 1993 03 22.12465 | 12 24 03.65 | -06 44 25.5 | 17.9 | 7 809 |
| 1993 FA ₂₇ | 1993 03 22.20660 | 12 51 25.07 | -09 41 40.6 | 17.5 | 7 809 | 1993 FR ₂₇ | 1993 03 26.11354 | 12 20 33.47 | -06 07 06.2 | 18.1 | 7 809 |
| 1993 FA ₂₇ | 1993 03 26.20174 | 12 47 45.78 | -09 13 15.1 | 17.3 | 7 809 | 1993 FS ₂₇ | * 1993 03 21.12743 | 12 25 35.19 | -07 03 38.6 | 17.8 | 7 809 |
| 1993 FB ₂₇ | * 1993 03 21.21493 | 12 52 20.07 | -10 43 09.7 | 17.9 | 7 809 | 1993 FS ₂₇ | 1993 03 22.12465 | 12 24 48.84 | -06 57 13.6 | 17.9 | 7 809 |
| 1993 FB ₂₇ | 1993 03 22.20660 | 12 51 33.97 | -10 35 46.5 | 18.3 | 7 809 | 1993 FS ₂₇ | 1993 03 26.11354 | 12 21 40.95 | -06 30 47.4 | 18.1 | 7 809 |
| 1993 FB ₂₇ | 1993 03 26.20174 | 12 48 22.11 | -10 04 44.2 | 19.0 | 7 809 | 1993 FT ₂₇ | * 1993 03 21.12743 | 12 25 53.03 | -07 37 47.5 | 18.6 | 7 809 |
| 1993 FC ₂₇ | * 1993 03 21.21493 | 12 53 58.55 | -09 19 02.5 | 17.9 | 7 809 | 1993 FT ₂₇ | 1993 03 22.12465 | 12 25 06.98 | -07 34 24.8 | 18.7 | 7 809 |
| 1993 FC ₂₇ | 1993 03 21.30174 | 12 53 54.28 | -09 18 43.2 | 19.4 | 7 809 | 1993 FT ₂₇ | 1993 03 26.11354 | 12 21 59.62 | -07 20 04.9 | 18.1 | 7 809 |
| 1993 FC ₂₇ | 1993 03 22.20660 | 12 53 10.01 | -09 15 32.1 | 17.5 | 7 809 | 1993 FU ₂₇ | * 1993 03 21.12743 | 12 26 15.28 | -07 07 58.7 | 17.0 | 7 809 |
| 1993 FC ₂₇ | 1993 03 26.20174 | 12 49 45.98 | -09 00 11.7 | 18.1 | 7 809 | 1993 FU ₂₇ | 1993 03 22.12465 | 12 25 19.45 | -07 04 26.0 | 17.0 | 7 809 |
| 1993 FD ₂₇ | * 1993 03 21.30174 | 13 12 18.77 | -06 19 19.8 | 17.7 | 7 809 | 1993 FU ₂₇ | 1993 03 26.11354 | 12 21 34.32 | -06 49 21.2 | 17.2 | 7 809 |
| 1993 FD ₂₇ | 1993 03 22.29549 | 13 11 31.09 | -06 14 52.3 | 17.9 | 7 809 | 1993 FV ₂₇ | * 1993 03 21.12743 | 12 26 21.50 | -06 13 23.1 | 17.0 | 7 809 |
| 1993 FD ₂₇ | 1993 03 26.32604 | 13 08 03.68 | -05 55 33.0 | 18.7 | 7 809 | 1993 FV ₂₇ | 1993 03 22.12465 | 12 25 24.78 | -06 07 57.1 | 17.0 | 7 809 |
| 1993 FD ₂₇ | 1993 03 27.25452 | 13 07 13.55 | -05 50 53.3 | 17.9 | 7 809 | 1993 FV ₂₇ | 1993 03 26.11354 | 12 21 34.29 | -05 45 19.5 | 18.1 | 7 809 |
| 1993 FE ₂₇ | * 1993 03 21.30174 | 13 12 41.65 | -06 05 55.0 | 18.6 | 7 809 | 1993 FW ₂₇ | * 1993 03 21.12743 | 12 27 48.74 | -07 13 41.4 | 19.5 | 7 809 |
| 1993 FE ₂₇ | 1993 03 22.29549 | 13 11 56.34 | -06 02 08.4 | 17.9 | 7 809 | 1993 FW ₂₇ | 1993 03 22.12465 | 12 27 00.75 | -07 08 30.6 | 19.6 | 7 809 |
| 1993 FE ₂₇ | 1993 03 26.32604 | 13 08 40.75 | -05 45 51.4 | 19.6 | 7 809 | 1993 FW ₂₇ | 1993 03 26.11354 | 12 23 45.98 | -06 47 00.6 | 19.7 | 7 809 |
| 1993 FE ₂₇ | 1993 03 27.25452 | 13 07 53.84 | -05 41 56.6 | 19.6 | 7 809 | 1993 FX ₂₇ | * 1993 03 21.12743 | 12 28 37.44 | -06 24 38.1 | 17.8 | 7 809 |
| 1993 FF ₂₇ | * 1993 03 21.12743 | 12 15 19.40 | -07 06 55.8 | 17.8 | 7 809 | 1993 FX ₂₇ | 1993 03 22.12465 | 12 27 30.54 | -06 26 05.3 | 17.9 | 7 809 |
| 1993 FF ₂₇ | 1993 03 22.12465 | 12 14 38.46 | -06 59 41.4 | 18.7 | 7 809 | 1993 FX ₂₇ | 1993 03 26.11354 | 12 22 59.34 | -06 31 18.6 | 18.1 | 7 809 |
| 1993 FF ₂₇ | 1993 03 26.11354 | 12 11 53.52 | -06 30 03.6 | 18.9 | 7 809 | 1993 FY ₂₇ | * 1993 03 21.12743 | 12 28 42.07 | -06 21 18.5 | 18.6 | 7 809 |
| 1993 FG ₂₇ | * 1993 03 21.12743 | 12 16 10.24 | -07 17 14.4 | 18.6 | 7 809 | 1993 FY ₂₇ | 1993 03 22.12465 | 12 27 45.03 | -06 15 50.1 | 17.9 | 7 809 |
| 1993 FG ₂₇ | 1993 03 22.12465 | 12 15 27.83 | -07 09 54.8 | 17.9 | 7 809 | 1993 FY ₂₇ | 1993 03 26.11354 | 12 23 52.29 | -05 53 01.7 | 18.1 | 7 809 |
| 1993 FG ₂₇ | 1993 03 26.11354 | 12 12 37.78 | -06 39 53.6 | 18.9 | 7 809 | 1993 FZ ₂₇ | * 1993 03 21.12743 | 12 28 51.31 | -07 13 47.7 | 18.6 | 7 809 |
| 1993 FH ₂₇ | * 1993 03 21.12743 | 12 18 11.77 | -05 53 45.2 | 18.6 | 7 809 | 1993 FZ ₂₇ | 1993 03 22.12465 | 12 28 04.37 | -07 08 38.7 | 18.7 | 7 809 |
| 1993 FH ₂₇ | 1993 03 22.12465 | 12 17 21.11 | -05 49 55.8 | 17.9 | 7 809 | 1993 FZ ₂₇ | 1993 03 26.11354 | 12 24 53.94 | -06 47 17.0 | 18.1 | 7 809 |
| 1993 FH ₂₇ | 1993 03 26.11354 | 12 13 56.60 | -05 34 07.6 | 18.1 | 7 809 | 1993 FA ₂₈ | * 1993 03 21.12743 | 12 29 04.94 | -06 37 25.3 | 17.8 | 7 809 |
| 1993 FJ ₂₇ | * 1993 03 21.12743 | 12 18 18.16 | -06 13 00.8 | 18.6 | 7 809 | 1993 FA ₂₈ | 1993 03 22.12465 | 12 28 04.50 | -06 33 14.7 | 18.7 | 7 809 |
| 1993 FJ ₂₇ | 1993 03 22.12465 | 12 17 34.57 | -06 07 56.5 | 18.7 | 7 809 | 1993 FA ₂₈ | 1993 03 26.11354 | 12 23 59.07 | -06 15 41.4 | 18.1 | 7 809 |
| 1993 FJ ₂₇ | 1993 03 26.11354 | 12 14 38.50 | -05 47 03.5 | 18.1 | 7 809 | 1993 FB ₂₈ | * 1993 03 21.12743 | 12 29 08.43 | -06 54 57.4 | 17.0 | 7 809 |
| 1993 FK ₂₇ | * 1993 03 21.12743 | 12 19 24.26 | -07 18 33.5 | 18.6 | 7 809 | 1993 FB ₂₈ | 1993 03 22.12465 | 12 28 18.67 | -06 49 59.1 | 17.9 | 7 809 |
| 1993 FK ₂₇ | 1993 03 22.12465 | 12 18 25.09 | -07 11 52.9 | 18.7 | 7 809 | 1993 FB ₂₈ | 1993 03 26.11354 | 12 24 55.94 | -06 29 13.1 | 18.1 | 7 809 |
| 1993 FK ₂₇ | 1993 03 26.11354 | 12 14 24.25 | -06 43 52.4 | 19.7 | 7 809 | 1993 FC ₂₈ | * 1993 03 21.12743 | 12 29 10.70 | -07 20 53.3 | 17.8 | 7 809 |
| 1993 FL ₂₇ | * 1993 03 21.12743 | 12 20 20.95 | -06 24 25.3 | 17.8 | 7 809 | 1993 FC ₂₈ | 1993 03 22.12465 | 12 28 09.83 | -07 17 16.9 | 17.9 | 7 809 |
| 1993 FL ₂₇ | 1993 03 22.12465 | 12 19 22.09 | -06 18 59.8 | 17.9 | 7 809 | 1993 FC ₂₈ | 1993 03 26.11354 | 12 24 00.95 | -07 01 49.9 | 18.1 | 7 809 |
| 1993 FL ₂₇ | 1993 03 26.11354 | 12 15 22.51 | -05 56 17.0 | 18.1 | 7 809 | 1993 FD ₂₈ | * 1993 03 21.12743 | 12 29 40.07 | -07 30 05.5 | 17.8 | 7 809 |
| 1993 FM ₂₇ | * 1993 03 21.12743 | 12 20 39.37 | -06 52 15.0 | 18.6 | 7 809 | 1993 FD ₂₈ | 1993 03 22.12465 | 12 28 51.43 | -07 27 30.6 | 17.0 | 7 809 |
| 1993 FM ₂₇ | 1993 03 22.12465 | 12 19 39.68 | -06 49 00.5 | 18.7 | 7 809 | 1993 FD ₂₈ | 1993 03 26.11354 | 12 25 34.06 | -07 16 27.8 | 17.2 | 7 809 |
| 1993 FM ₂₇ | 1993 03 26.11354 | 12 15 37.61 | -06 35 21.1 | 19.7 | 7 809 | 1993 FE ₂₈ | * 1993 03 21.12743 | 12 29 49.23 | -05 54 07.4 | 17.8 | 7 809 |
| 1993 FN ₂₇ | * 1993 03 21.12743 | 12 22 48.35 | -06 16 21.1 | 18.6 | 7 809 | 1993 FE ₂₈ | 1993 03 22.12465 | 12 28 55.54 | -05 50 53.1 | 17.9 | 7 809 |
| 1993 FN ₂₇ | 1993 03 22.12465 | 12 21 43.28 | -06 16 49.3 | 17.9 | 7 809 | 1993 FE ₂₈ | 1993 03 26.11354 | 12 25 15.90 | -05 37 04.9 | 18.1 | 7 809 |
| 1993 FN ₂₇ | 1993 03 26.11354 | 12 17 20.41 | -06 18 00.4 | 19.7 | 7 809 | 1993 FF ₂₈ | * 1993 03 21.12743 | 12 29 51.62 | -06 27 07.8 | 20.3 | 7 809 |
| 1993 FO ₂₇ | * 1993 03 21.12743 | 12 23 22.57 | -07 10 02.8 | 17.8 | 7 809 | 1993 FF ₂₈ | 1993 03 22.12465 | 12 28 59.02 | -06 18 44.4 | 17.9 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FF ₂₈ | 1993 03 26.11354 | 12 25 22.76 | -05 43 47.8 | 18.1 | 7 809 | 1993 FW ₂₈ | 1993 03 26.11354 | 12 30 29.58 | -09 07 07.3 | 18.1 | 7 809 |
| 1993 FG ₂₈ | * 1993 03 21.12743 | 12 30 06.92 | -06 31 10.3 | 18.6 | 7 809 | 1993 FX ₂₈ | * 1993 03 21.21493 | 12 36 30.91 | -10 39 34.3 | 17.9 | 7 809 |
| 1993 FG ₂₈ | 1993 03 22.12465 | 12 29 13.51 | -06 25 16.3 | 19.6 | 7 809 | 1993 FX ₂₈ | 1993 03 22.20660 | 12 35 43.89 | -10 30 57.6 | 18.3 | 7 809 |
| 1993 FG ₂₈ | 1993 03 26.11354 | 12 25 35.85 | -06 00 49.9 | 18.9 | 7 809 | 1993 FX ₂₈ | 1993 03 26.11354 | 12 32 35.78 | -09 56 02.7 | 18.1 | 7 809 |
| 1993 FH ₂₈ | * 1993 03 21.12743 | 12 30 14.41 | -06 21 39.2 | 17.8 | 7 809 | 1993 FY ₂₈ | * 1993 03 21.21493 | 12 36 57.41 | -09 43 38.0 | 17.0 | 7 809 |
| 1993 FH ₂₈ | 1993 03 22.12465 | 12 29 19.95 | -06 15 36.2 | 17.9 | 7 809 | 1993 FY ₂₈ | 1993 03 22.20660 | 12 35 59.07 | -09 39 16.4 | 17.5 | 7 809 |
| 1993 FH ₂₈ | 1993 03 26.11354 | 12 25 39.37 | -05 50 37.2 | 17.2 | 7 809 | 1993 FY ₂₈ | 1993 03 26.11354 | 12 32 05.26 | -09 20 56.1 | 17.2 | 7 809 |
| 1993 FJ ₂₈ | * 1993 03 21.12743 | 12 30 53.44 | -06 49 50.6 | 19.5 | 7 809 | 1993 FZ ₂₈ | * 1993 03 21.21493 | 12 37 11.16 | -09 51 17.6 | 18.7 | 7 809 |
| 1993 FJ ₂₈ | 1993 03 22.12465 | 12 30 11.39 | -06 43 16.4 | 19.6 | 7 809 | 1993 FZ ₂₈ | 1993 03 22.20660 | 12 36 18.76 | -09 47 44.2 | 19.2 | 7 809 |
| 1993 FJ ₂₈ | 1993 03 26.11354 | 12 27 20.62 | -06 16 11.1 | 19.7 | 7 809 | 1993 FZ ₂₈ | 1993 03 26.11354 | 12 32 46.13 | -09 32 28.3 | 19.7 | 7 809 |
| 1993 FK ₂₈ | * 1993 03 21.12743 | 12 31 04.20 | -07 18 39.0 | 17.8 | 7 809 | 1993 FA ₂₉ | * 1993 03 21.21493 | 12 37 26.63 | -09 33 18.0 | 17.0 | 7 809 |
| 1993 FK ₂₈ | 1993 03 22.12465 | 12 30 16.87 | -07 11 58.9 | 17.9 | 7 809 | 1993 FA ₂₉ | 1993 03 22.20660 | 12 36 25.22 | -09 34 33.1 | 17.5 | 7 809 |
| 1993 FK ₂₈ | 1993 03 26.11354 | 12 27 02.01 | -06 43 53.3 | 18.1 | 7 809 | 1993 FA ₂₉ | 1993 03 26.11354 | 12 32 16.81 | -09 38 24.0 | 17.2 | 7 809 |
| 1993 FL ₂₈ | * 1993 03 21.12743 | 12 31 26.79 | -06 23 59.6 | 18.6 | 7 809 | 1993 FB ₂₉ | * 1993 03 21.12743 | 12 16 13.74 | -10 06 07.3 | 17.8 | 7 809 |
| 1993 FL ₂₈ | 1993 03 22.12465 | 12 30 39.18 | -06 20 45.6 | 17.9 | 7 809 | 1993 FB ₂₉ | 1993 03 22.12465 | 12 15 19.99 | -10 00 39.0 | 17.9 | 7 809 |
| 1993 FL ₂₈ | 1993 03 26.11354 | 12 27 25.44 | -06 07 12.9 | 18.1 | 7 809 | 1993 FB ₂₉ | 1993 03 26.11354 | 12 11 41.55 | -09 37 20.2 | 17.2 | 7 809 |
| 1993 FM ₂₈ | * 1993 03 21.12743 | 12 31 51.25 | -06 30 24.0 | 18.6 | 7 809 | 1993 FC ₂₉ | * 1993 03 21.12743 | 12 16 46.62 | -09 28 41.1 | 18.6 | 7 809 |
| 1993 FM ₂₈ | 1993 03 22.12465 | 12 30 56.89 | -06 25 05.8 | 17.9 | 7 809 | 1993 FC ₂₉ | 1993 03 22.12465 | 12 15 52.17 | -09 22 50.0 | 18.7 | 7 809 |
| 1993 FM ₂₈ | 1993 03 26.11354 | 12 27 16.09 | -06 03 04.8 | 17.2 | 7 809 | 1993 FC ₂₉ | 1993 03 26.11354 | 12 12 10.49 | -08 57 49.3 | 17.2 | 7 809 |
| 1993 FN ₂₈ | * 1993 03 21.12743 | 12 32 38.73 | -07 16 22.3 | 17.0 | 7 809 | 1993 FD ₂₉ | * 1993 03 21.12743 | 12 16 49.17 | -08 00 52.0 | 17.8 | 7 809 |
| 1993 FN ₂₈ | 1993 03 22.12465 | 12 31 47.63 | -07 14 19.9 | 17.0 | 7 809 | 1993 FD ₂₉ | 1993 03 22.12465 | 12 15 54.50 | -07 57 06.5 | 18.7 | 7 809 |
| 1993 FN ₂₈ | 1993 03 26.11354 | 12 28 18.38 | -07 05 06.3 | 16.4 | 7 809 | 1993 FD ₂₉ | 1993 03 26.11354 | 12 12 13.21 | -07 41 08.5 | 18.1 | 7 809 |
| 1993 FO ₂₈ | * 1993 03 21.12743 | 12 32 45.87 | -07 36 44.7 | 17.8 | 7 809 | 1993 FE ₂₉ | * 1993 03 21.12743 | 12 16 53.69 | -09 53 16.0 | 18.6 | 7 809 |
| 1993 FO ₂₈ | 1993 03 22.12465 | 12 31 46.45 | -07 34 53.4 | 17.9 | 7 809 | 1993 FE ₂₉ | 1993 03 22.12465 | 12 16 11.84 | -09 46 17.0 | 17.9 | 7 809 |
| 1993 FO ₂₈ | 1993 03 26.11354 | 12 27 41.92 | -07 26 13.8 | 18.1 | 7 809 | 1993 FE ₂₉ | 1993 03 26.11354 | 12 13 22.96 | -09 17 17.6 | 18.1 | 7 809 |
| 1993 FP ₂₈ | * 1993 03 21.12743 | 12 33 00.05 | -06 12 42.6 | 17.8 | 7 809 | 1993 FF ₂₉ | * 1993 03 21.12743 | 12 16 56.22 | -09 19 16.7 | 18.6 | 7 809 |
| 1993 FP ₂₈ | 1993 03 21.21493 | 12 32 55.65 | -06 12 11.8 | 17.9 | 7 809 | 1993 FF ₂₉ | 1993 03 22.12465 | 12 16 04.69 | -09 11 07.8 | 17.9 | 7 809 |
| 1993 FP ₂₈ | 1993 03 22.12465 | 12 32 07.12 | -06 06 50.0 | 17.9 | 7 809 | 1993 FF ₂₉ | 1993 03 26.11354 | 12 12 37.15 | -08 37 04.1 | 18.9 | 7 809 |
| 1993 FP ₂₈ | 1993 03 26.11354 | 12 28 31.39 | -05 42 33.5 | 17.2 | 7 809 | 1993 FG ₂₉ | * 1993 03 21.12743 | 12 17 42.12 | -09 35 57.8 | 17.8 | 7 809 |
| 1993 FQ ₂₈ | * 1993 03 21.12743 | 12 33 09.30 | -06 29 24.1 | 18.6 | 7 809 | 1993 FG ₂₉ | 1993 03 22.12465 | 12 16 52.85 | -09 33 00.2 | 18.7 | 7 809 |
| 1993 FQ ₂₈ | 1993 03 21.21493 | 12 33 04.98 | -06 28 37.5 | 17.9 | 7 809 | 1993 FG ₂₉ | 1993 03 26.11354 | 12 13 34.61 | -09 20 20.1 | 18.1 | 7 809 |
| 1993 FQ ₂₈ | 1993 03 22.12465 | 12 32 17.81 | -06 20 13.4 | 18.7 | 7 809 | 1993 FH ₂₉ | * 1993 03 21.12743 | 12 18 25.94 | -08 10 23.9 | 17.8 | 7 809 |
| 1993 FQ ₂₈ | 1993 03 26.11354 | 12 28 47.21 | -05 42 21.6 | 18.1 | 7 809 | 1993 FH ₂₉ | 1993 03 22.12465 | 12 17 26.81 | -08 11 14.1 | 17.9 | 7 809 |
| 1993 FR ₂₈ | * 1993 03 21.21493 | 12 33 50.86 | -08 48 21.1 | 17.0 | 7 809 | 1993 FH ₂₉ | 1993 03 26.11354 | 12 13 28.33 | -08 13 48.2 | 18.1 | 7 809 |
| 1993 FR ₂₈ | 1993 03 22.12465 | 12 33 03.17 | -08 41 42.4 | 17.9 | 7 809 | 1993 FJ ₂₉ | * 1993 03 21.12743 | 12 18 46.55 | -08 47 10.5 | 17.8 | 7 809 |
| 1993 FR ₂₈ | 1993 03 22.20660 | 12 32 58.96 | -08 41 06.4 | 17.5 | 7 809 | 1993 FJ ₂₉ | 1993 03 22.12465 | 12 17 44.92 | -08 42 04.8 | 17.9 | 7 809 |
| 1993 FR ₂₈ | 1993 03 26.11354 | 12 29 30.45 | -08 11 28.9 | 17.2 | 7 809 | 1993 FJ ₂₉ | 1993 03 26.11354 | 12 13 35.87 | -08 20 35.3 | 18.9 | 7 809 |
| 1993 FS ₂₈ | * 1993 03 21.21493 | 12 33 53.46 | -08 51 36.3 | 17.0 | 7 809 | 1993 FK ₂₉ | * 1993 03 21.12743 | 12 18 47.68 | -08 31 57.1 | 19.5 | 7 809 |
| 1993 FS ₂₈ | 1993 03 22.12465 | 12 33 02.73 | -08 45 55.5 | 17.9 | 7 809 | 1993 FK ₂₉ | 1993 03 22.12465 | 12 18 01.61 | -08 22 50.6 | 18.7 | 7 809 |
| 1993 FS ₂₈ | 1993 03 22.20660 | 12 32 58.24 | -08 45 25.2 | 18.3 | 7 809 | 1993 FK ₂₉ | 1993 03 26.11354 | 12 14 56.04 | -07 45 31.7 | 18.1 | 7 809 |
| 1993 FS ₂₈ | 1993 03 26.11354 | 12 29 17.30 | -08 19 53.3 | 18.1 | 7 809 | 1993 FL ₂₉ | * 1993 03 21.12743 | 12 18 49.96 | -07 31 10.1 | 18.6 | 7 809 |
| 1993 FT ₂₈ | * 1993 03 21.21493 | 12 34 01.82 | -09 35 34.2 | 17.9 | 7 809 | 1993 FL ₂₉ | 1993 03 22.12465 | 12 18 06.42 | -07 26 56.4 | 17.9 | 7 809 |
| 1993 FT ₂₈ | 1993 03 22.20660 | 12 33 13.81 | -09 28 34.0 | 18.3 | 7 809 | 1993 FL ₂₉ | 1993 03 26.11354 | 12 15 11.12 | -07 09 26.5 | 18.1 | 7 809 |
| 1993 FT ₂₈ | 1993 03 26.11354 | 12 29 59.17 | -08 59 13.3 | 18.9 | 7 809 | 1993 FM ₂₉ | * 1993 03 21.12743 | 12 18 58.29 | -08 37 08.5 | 19.5 | 7 809 |
| 1993 FU ₂₈ | * 1993 03 21.21493 | 12 35 07.14 | -08 41 50.4 | 17.0 | 7 809 | 1993 FM ₂₉ | 1993 03 22.12465 | 12 17 57.74 | -08 32 22.4 | 18.7 | 7 809 |
| 1993 FU ₂₈ | 1993 03 22.20660 | 12 34 13.27 | -08 37 23.1 | 17.5 | 7 809 | 1993 FM ₂₉ | 1993 03 26.11354 | 12 13 51.22 | -08 11 54.7 | 18.9 | 7 809 |
| 1993 FU ₂₈ | 1993 03 26.11354 | 12 30 36.53 | -08 18 50.6 | 17.2 | 7 809 | 1993 FN ₂₉ | * 1993 03 21.12743 | 12 19 01.16 | -08 15 14.4 | 18.6 | 7 809 |
| 1993 FV ₂₈ | * 1993 03 21.21493 | 12 35 08.06 | -08 44 57.4 | 17.9 | 7 809 | 1993 FN ₂₉ | 1993 03 22.12465 | 12 18 18.14 | -08 08 41.1 | 18.7 | 7 809 |
| 1993 FV ₂₈ | 1993 03 22.20660 | 12 34 15.85 | -08 38 40.3 | 18.3 | 7 809 | 1993 FN ₂₉ | 1993 03 26.11354 | 12 15 24.84 | -07 41 37.4 | 18.9 | 7 809 |
| 1993 FV ₂₈ | 1993 03 26.11354 | 12 30 43.28 | -08 12 14.5 | 18.9 | 7 809 | 1993 FO ₂₉ | * 1993 03 21.12743 | 12 19 08.90 | -10 10 48.5 | 17.0 | 7 809 |
| 1993 FW ₂₈ | * 1993 03 21.21493 | 12 35 11.96 | -09 33 23.7 | 17.9 | 7 809 | 1993 FO ₂₉ | 1993 03 22.12465 | 12 18 12.47 | -10 07 53.3 | 17.0 | 7 809 |
| 1993 FW ₂₈ | 1993 03 22.20660 | 12 34 15.64 | -09 28 19.3 | 17.5 | 7 809 | 1993 FO ₂₉ | 1993 03 26.11354 | 12 14 23.33 | -09 55 07.1 | 15.5 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FP ₂₉ | * 1993 03 21.12743 | 12 19 22.95 | -09 50 08.1 | 17.0 | 7 809 | 1993 FG ₃₀ | 1993 03 22.12465 | 12 26 29.33 | -09 56 05.8 | 18.7 | 7 809 |
| 1993 FP ₂₉ | 1993 03 22.12465 | 12 18 40.03 | -09 38 50.8 | 17.0 | 7 809 | 1993 FG ₃₀ | 1993 03 26.11354 | 12 23 45.46 | -09 23 41.2 | 19.7 | 7 809 |
| 1993 FP ₂₉ | 1993 03 26.11354 | 12 15 45.99 | -08 52 00.8 | 16.4 | 7 809 | 1993 FH ₃₀ | * 1993 03 21.12743 | 12 27 29.02 | -08 42 08.7 | 17.8 | 7 809 |
| 1993 FQ ₂₉ | * 1993 03 21.12743 | 12 19 44.94 | -09 53 52.7 | 18.6 | 7 809 | 1993 FH ₃₀ | 1993 03 22.12465 | 12 26 45.38 | -08 31 59.5 | 17.9 | 7 809 |
| 1993 FQ ₂₉ | 1993 03 22.12465 | 12 18 56.04 | -09 46 42.9 | 18.7 | 7 809 | 1993 FH ₃₀ | 1993 03 26.11354 | 12 23 47.71 | -07 50 04.3 | 17.2 | 7 809 |
| 1993 FQ ₂₉ | 1993 03 26.11354 | 12 15 38.84 | -09 16 55.3 | 18.9 | 7 809 | 1993 FJ ₃₀ | * 1993 03 21.12743 | 12 28 36.27 | -09 03 07.7 | 17.8 | 7 809 |
| 1993 FR ₂₉ | * 1993 03 21.12743 | 12 19 54.08 | -08 05 16.6 | 17.8 | 7 809 | 1993 FJ ₃₀ | 1993 03 22.12465 | 12 28 01.66 | -08 48 29.6 | 17.9 | 7 809 |
| 1993 FR ₂₉ | 1993 03 22.12465 | 12 19 07.56 | -07 57 43.1 | 17.9 | 7 809 | 1993 FJ ₃₀ | 1993 03 26.11354 | 12 25 38.18 | -07 47 33.4 | 17.2 | 7 809 |
| 1993 FR ₂₉ | 1993 03 26.11354 | 12 16 00.29 | -07 26 35.5 | 17.2 | 7 809 | 1993 FK ₃₀ | * 1993 03 21.12743 | 12 28 47.90 | -09 17 10.1 | 18.6 | 7 809 |
| 1993 FS ₂₉ | * 1993 03 21.12743 | 12 20 09.90 | -08 12 05.6 | 18.6 | 7 809 | 1993 FK ₃₀ | 1993 03 22.12465 | 12 27 53.91 | -09 11 29.5 | 18.7 | 7 809 |
| 1993 FS ₂₉ | 1993 03 22.12465 | 12 19 21.65 | -08 07 39.4 | 17.9 | 7 809 | 1993 FK ₃₀ | 1993 03 26.11354 | 12 24 15.30 | -08 47 45.2 | 19.7 | 7 809 |
| 1993 FS ₂₉ | 1993 03 26.11354 | 12 16 06.24 | -07 48 57.9 | 17.2 | 7 809 | 1993 FL ₃₀ | * 1993 03 21.12743 | 12 28 49.85 | -10 27 44.5 | 17.8 | 7 809 |
| 1993 FT ₂₉ | * 1993 03 21.12743 | 12 20 54.40 | -09 31 48.8 | 18.6 | 7 809 | 1993 FL ₃₀ | 1993 03 22.12465 | 12 27 58.45 | -10 21 20.2 | 18.7 | 7 809 |
| 1993 FT ₂₉ | 1993 03 22.12465 | 12 20 02.70 | -09 26 22.6 | 18.7 | 7 809 | 1993 FL ₃₀ | 1993 03 26.11354 | 12 24 26.26 | -09 53 42.9 | 18.1 | 7 809 |
| 1993 FT ₂₉ | 1993 03 26.11354 | 12 16 34.63 | -09 03 43.8 | 18.9 | 7 809 | 1993 FM ₃₀ | * 1993 03 21.12743 | 12 29 33.37 | -10 46 06.6 | 18.6 | 7 809 |
| 1993 FU ₂₉ | * 1993 03 21.12743 | 12 20 58.30 | -09 10 00.1 | 18.6 | 7 809 | 1993 FM ₃₀ | 1993 03 22.12465 | 12 28 42.34 | -10 41 14.3 | 18.7 | 7 809 |
| 1993 FU ₂₉ | 1993 03 22.12465 | 12 20 16.87 | -09 03 40.6 | 18.7 | 7 809 | 1993 FM ₃₀ | 1993 03 26.11354 | 12 25 13.11 | -10 20 17.5 | 18.9 | 7 809 |
| 1993 FU ₂₉ | 1993 03 26.11354 | 12 17 29.50 | -08 37 33.5 | 19.7 | 7 809 | 1993 FN ₃₀ | * 1993 03 21.12743 | 12 29 57.58 | -08 11 12.6 | 17.8 | 7 809 |
| 1993 FV ₂₉ | * 1993 03 21.12743 | 12 21 03.24 | -08 02 36.5 | 19.5 | 7 809 | 1993 FN ₃₀ | 1993 03 22.12465 | 12 28 59.34 | -08 04 53.8 | 17.9 | 7 809 |
| 1993 FV ₂₉ | 1993 03 22.12465 | 12 20 04.76 | -07 57 31.4 | 18.7 | 7 809 | 1993 FN ₃₀ | 1993 03 26.11354 | 12 25 03.27 | -07 38 39.9 | 18.1 | 7 809 |
| 1993 FV ₂₉ | 1993 03 26.11354 | 12 16 09.34 | -07 36 19.8 | 18.9 | 7 809 | 1993 FO ₃₀ | * 1993 03 21.12743 | 12 30 07.62 | -10 22 14.8 | 18.6 | 7 809 |
| 1993 FW ₂₉ | * 1993 03 21.12743 | 12 21 13.65 | -08 57 52.8 | 18.6 | 7 809 | 1993 FO ₃₀ | 1993 03 22.12465 | 12 29 14.88 | -10 17 01.7 | 18.7 | 7 809 |
| 1993 FW ₂₉ | 1993 03 22.12465 | 12 20 14.06 | -08 59 51.1 | 19.6 | 7 809 | 1993 FO ₃₀ | 1993 03 26.11354 | 12 25 37.53 | -09 54 26.0 | 18.9 | 7 809 |
| 1993 FW ₂₉ | 1993 03 26.11354 | 12 16 10.95 | -09 06 53.8 | 18.9 | 7 809 | 1993 FP ₃₀ | * 1993 03 21.12743 | 12 30 58.80 | -10 25 46.9 | 17.8 | 7 809 |
| 1993 FX ₂₉ | * 1993 03 21.12743 | 12 22 07.64 | -09 50 15.6 | 17.8 | 7 809 | 1993 FP ₃₀ | 1993 03 22.12465 | 12 30 16.57 | -10 20 09.9 | 17.9 | 7 809 |
| 1993 FX ₂₉ | 1993 03 22.12465 | 12 21 14.18 | -09 44 06.1 | 17.9 | 7 809 | 1993 FP ₃₀ | 1993 03 26.11354 | 12 27 24.24 | -09 56 34.5 | 17.2 | 7 809 |
| 1993 FX ₂₉ | 1993 03 26.11354 | 12 17 37.32 | -09 18 02.0 | 18.1 | 7 809 | 1993 FQ ₃₀ | * 1993 03 21.12743 | 12 31 05.19 | -08 10 55.7 | 18.6 | 7 809 |
| 1993 FY ₂₉ | * 1993 03 21.12743 | 12 22 28.91 | -07 58 17.0 | 18.6 | 7 809 | 1993 FQ ₃₀ | 1993 03 22.12465 | 12 30 09.59 | -08 04 01.5 | 18.7 | 7 809 |
| 1993 FY ₂₉ | 1993 03 22.12465 | 12 21 36.71 | -07 54 46.8 | 17.9 | 7 809 | 1993 FQ ₃₀ | 1993 03 26.11354 | 12 26 23.56 | -07 35 12.4 | 19.7 | 7 809 |
| 1993 FY ₂₉ | 1993 03 26.11354 | 12 18 05.18 | -07 39 51.4 | 18.1 | 7 809 | 1993 FR ₃₀ | * 1993 03 21.12743 | 12 31 25.97 | -08 14 08.5 | 18.6 | 7 809 |
| 1993 FZ ₂₉ | * 1993 03 21.12743 | 12 23 08.20 | -08 17 54.9 | 17.8 | 7 809 | 1993 FR ₃₀ | 1993 03 22.12465 | 12 30 36.04 | -08 08 40.9 | 17.9 | 7 809 |
| 1993 FZ ₂₉ | 1993 03 22.12465 | 12 22 13.45 | -08 13 18.3 | 17.9 | 7 809 | 1993 FR ₃₀ | 1993 03 26.11354 | 12 27 10.57 | -07 45 26.6 | 18.1 | 7 809 |
| 1993 FZ ₂₉ | 1993 03 26.11354 | 12 18 30.58 | -07 53 32.3 | 17.2 | 7 809 | 1993 FS ₃₀ | * 1993 03 21.12743 | 12 32 45.68 | -09 50 09.3 | 17.8 | 7 809 |
| 1993 FA ₃₀ | * 1993 03 21.12743 | 12 24 06.60 | -07 47 36.4 | 18.6 | 7 809 | 1993 FS ₃₀ | 1993 03 21.21493 | 12 32 41.42 | -09 49 46.6 | 17.9 | 7 809 |
| 1993 FA ₃₀ | 1993 03 22.12465 | 12 23 11.88 | -07 41 32.2 | 18.7 | 7 809 | 1993 FS ₃₀ | 1993 03 22.12465 | 12 31 56.21 | -09 45 32.3 | 17.9 | 7 809 |
| 1993 FA ₃₀ | 1993 03 26.11354 | 12 19 27.48 | -07 15 48.3 | 19.7 | 7 809 | 1993 FS ₃₀ | 1993 03 26.11354 | 12 28 34.52 | -09 25 53.2 | 18.1 | 7 809 |
| 1993 FB ₃₀ | * 1993 03 21.12743 | 12 24 43.33 | -10 12 04.4 | 18.6 | 7 809 | 1993 FT ₃₀ | * 1993 03 21.12743 | 12 32 57.73 | -08 20 16.9 | 17.8 | 7 809 |
| 1993 FB ₃₀ | 1993 03 22.12465 | 12 23 44.16 | -10 08 34.1 | 18.7 | 7 809 | 1993 FT ₃₀ | 1993 03 22.12465 | 12 32 07.18 | -08 15 25.5 | 17.9 | 7 809 |
| 1993 FB ₃₀ | 1993 03 26.11354 | 12 19 44.44 | -09 53 13.2 | 18.1 | 7 809 | 1993 FT ₃₀ | 1993 03 26.11354 | 12 28 37.97 | -07 54 22.5 | 18.1 | 7 809 |
| 1993 FC ₃₀ | * 1993 03 21.12743 | 12 24 52.09 | -08 42 31.6 | 17.8 | 7 809 | 1993 FU ₃₀ | * 1993 03 19.32187 | 12 58 58.05 | -01 17 09.6 | 18.1 | 7 809 |
| 1993 FC ₃₀ | 1993 03 22.12465 | 12 24 13.16 | -08 33 15.6 | 17.9 | 7 809 | 1993 FU ₃₀ | 1993 03 20.31424 | 12 58 09.97 | -01 12 58.3 | 17.5 | 7 809 |
| 1993 FC ₃₀ | 1993 03 26.11354 | 12 21 35.42 | -07 55 08.6 | 18.1 | 7 809 | 1993 FU ₃₀ | 1993 03 24.28090 | 12 54 47.08 | -00 55 49.4 | 17.9 | 7 809 |
| 1993 FD ₃₀ | * 1993 03 21.12743 | 12 25 24.76 | -08 51 15.6 | 17.8 | 7 809 | 1993 FV ₃₀ | * 1993 03 19.32187 | 12 59 01.03 | -01 00 17.5 | 18.1 | 7 809 |
| 1993 FD ₃₀ | 1993 03 22.12465 | 12 24 37.78 | -08 45 33.0 | 18.7 | 7 809 | 1993 FV ₃₀ | 1993 03 20.31424 | 12 58 05.77 | -00 56 37.0 | 17.5 | 7 809 |
| 1993 FD ₃₀ | 1993 03 26.11354 | 12 21 27.19 | -08 21 47.4 | 19.7 | 7 809 | 1993 FV ₃₀ | 1993 03 24.19965 | 12 54 23.04 | -00 42 06.7 | 17.6 | 7 809 |
| 1993 FE ₃₀ | * 1993 03 21.12743 | 12 25 39.15 | -09 55 08.1 | 18.6 | 7 809 | 1993 FV ₃₀ | 1993 03 24.28090 | 12 54 18.32 | -00 41 46.5 | 17.9 | 7 809 |
| 1993 FE ₃₀ | 1993 03 22.12465 | 12 24 40.53 | -09 51 24.0 | 18.7 | 7 809 | 1993 FW ₃₀ | * 1993 03 19.32187 | 12 59 21.74 | -00 56 30.6 | 19.8 | 7 809 |
| 1993 FE ₃₀ | 1993 03 26.11354 | 12 20 42.22 | -09 35 20.5 | 18.9 | 7 809 | 1993 FW ₃₀ | 1993 03 20.31424 | 12 58 34.86 | -00 49 57.2 | 18.4 | 7 809 |
| 1993 FF ₃₀ | * 1993 03 21.12743 | 12 25 59.31 | -08 53 40.4 | 18.6 | 7 809 | 1993 FW ₃₀ | 1993 03 24.28090 | 12 55 16.38 | -00 23 09.1 | 17.9 | 7 809 |
| 1993 FF ₃₀ | 1993 03 22.12465 | 12 25 10.58 | -08 48 48.9 | 17.9 | 7 809 | 1993 FX ₃₀ | * 1993 03 19.32187 | 12 59 32.98 | -01 07 06.5 | 19.8 | 7 809 |
| 1993 FF ₃₀ | 1993 03 26.11354 | 12 21 52.43 | -08 28 20.1 | 18.1 | 7 809 | 1993 FX ₃₀ | 1993 03 20.31424 | 12 58 41.60 | -01 01 46.3 | 20.1 | 7 809 |
| 1993 FG ₃₀ | * 1993 03 21.12743 | 12 27 09.34 | -10 03 50.6 | 18.6 | 7 809 | 1993 FX ₃₀ | 1993 03 24.28090 | 12 55 08.66 | -00 40 11.1 | 18.7 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FY ₃₀ | * 1993 03 19.32187 | 12 59 56.90 | -00 57 26.7 | 17.3 | 7 809 | 1993 FQ ₃₁ | * 1993 03 19.32187 | 13 06 19.80 | -01 17 15.1 | 19.0 | 7 809 |
| 1993 FY ₃₀ | 1993 03 20.31424 | 12 59 19.33 | -00 49 17.1 | 17.5 | 7 809 | 1993 FQ ₃₁ | 1993 03 20.31424 | 13 05 30.87 | -01 12 00.4 | 19.2 | 7 809 |
| 1993 FY ₃₀ | 1993 03 24.28090 | 12 56 44.31 | -00 16 32.0 | 17.9 | 7 809 | 1993 FQ ₃₁ | 1993 03 24.28090 | 13 02 04.86 | -00 50 47.1 | 18.7 | 7 809 |
| 1993 FZ ₃₀ | * 1993 03 19.32187 | 13 00 20.31 | -03 45 16.2 | 19.8 | 7 809 | 1993 FR ₃₁ | * 1993 03 19.32187 | 13 06 59.46 | -01 29 56.2 | 19.8 | 7 809 |
| 1993 FZ ₃₀ | 1993 03 20.31424 | 12 59 25.11 | -03 40 04.8 | 20.1 | 7 809 | 1993 FR ₃₁ | 1993 03 20.31424 | 13 06 09.30 | -01 24 09.6 | 19.2 | 7 809 |
| 1993 FZ ₃₀ | 1993 03 24.28090 | 12 55 35.40 | -03 18 44.5 | 19.6 | 7 809 | 1993 FR ₃₁ | 1993 03 24.28090 | 13 02 41.47 | -01 00 49.3 | 18.7 | 7 809 |
| 1993 FA ₃₁ | * 1993 03 19.32187 | 13 00 27.60 | -02 35 51.7 | 19.8 | 7 809 | 1993 FS ₃₁ | * 1993 03 19.32187 | 13 07 19.12 | -01 30 31.6 | 17.3 | 7 809 |
| 1993 FA ₃₁ | 1993 03 20.31424 | 12 59 45.02 | -02 30 51.0 | 19.2 | 7 809 | 1993 FS ₃₁ | 1993 03 20.31424 | 13 06 30.56 | -01 26 08.8 | 16.7 | 7 809 |
| 1993 FA ₃₁ | 1993 03 24.28090 | 12 56 49.19 | -02 10 31.6 | 19.6 | 7 809 | 1993 FS ₃₁ | 1993 03 24.28090 | 13 03 06.28 | -01 08 15.8 | 17.9 | 7 809 |
| 1993 FB ₃₁ | * 1993 03 19.32187 | 13 01 11.92 | -05 27 02.3 | 19.8 | 7 809 | 1993 FT ₃₁ | * 1993 03 19.32187 | 13 07 22.51 | -01 03 05.4 | 18.1 | 7 809 |
| 1993 FB ₃₁ | 1993 03 20.31424 | 13 00 25.54 | -05 22 41.2 | 20.1 | 7 809 | 1993 FT ₃₁ | 1993 03 20.31424 | 13 06 34.02 | -00 55 49.2 | 17.5 | 7 809 |
| 1993 FB ₃₁ | 1993 03 24.28090 | 12 57 11.69 | -05 04 28.2 | 20.4 | 7 809 | 1993 FT ₃₁ | 1993 03 24.28090 | 13 03 12.00 | -00 26 24.5 | 17.9 | 7 809 |
| 1993 FC ₃₁ | * 1993 03 19.32187 | 13 01 12.30 | -02 28 40.1 | 19.8 | 7 809 | 1993 FU ₃₁ | * 1993 03 19.32187 | 13 07 50.45 | -03 37 25.0 | 19.8 | 7 809 |
| 1993 FC ₃₁ | 1993 03 20.31424 | 13 00 24.84 | -02 22 12.9 | 20.1 | 7 809 | 1993 FU ₃₁ | 1993 03 20.31424 | 13 07 02.77 | -03 32 41.2 | 19.2 | 7 809 |
| 1993 FC ₃₁ | 1993 03 24.28090 | 12 57 08.56 | -01 55 54.8 | 19.6 | 7 809 | 1993 FU ₃₁ | 1993 03 24.28090 | 13 03 44.65 | -03 13 16.0 | 19.6 | 7 809 |
| 1993 FD ₃₁ | * 1993 03 19.32187 | 13 01 27.98 | -01 33 02.7 | 18.1 | 7 809 | 1993 FV ₃₁ | * 1993 03 19.32187 | 13 10 25.87 | -01 28 04.4 | 17.3 | 7 809 |
| 1993 FD ₃₁ | 1993 03 20.31424 | 13 00 44.47 | -01 27 29.9 | 17.5 | 7 809 | 1993 FV ₃₁ | 1993 03 20.31424 | 13 09 40.67 | -01 22 11.4 | 16.7 | 7 809 |
| 1993 FD ₃₁ | 1993 03 24.28090 | 12 57 42.09 | -01 04 49.2 | 17.9 | 7 809 | 1993 FV ₃₁ | 1993 03 24.28090 | 13 06 30.31 | -00 58 17.3 | 17.0 | 7 809 |
| 1993 FE ₃₁ | * 1993 03 19.32187 | 13 01 30.61 | -01 33 53.3 | 16.4 | 7 809 | 1993 FW ₃₁ | * 1993 03 19.32187 | 13 10 48.61 | -01 37 53.3 | 15.6 | 7 809 |
| 1993 FE ₃₁ | 1993 03 20.31424 | 13 00 56.95 | -01 23 54.0 | 16.7 | 7 809 | 1993 FW ₃₁ | 1993 03 20.31424 | 13 10 07.19 | -01 35 20.6 | 16.7 | 7 809 |
| 1993 FE ₃₁ | 1993 03 24.28090 | 12 58 36.35 | -00 43 26.7 | 17.0 | 7 809 | 1993 FW ₃₁ | 1993 03 24.28090 | 13 07 15.38 | -01 24 57.1 | 17.0 | 7 809 |
| 1993 FF ₃₁ | * 1993 03 19.32187 | 13 01 58.09 | -00 50 21.4 | 19.0 | 7 809 | 1993 FX ₃₁ | * 1993 03 19.32187 | 13 11 03.36 | -01 26 21.5 | 18.1 | 7 809 |
| 1993 FF ₃₁ | 1993 03 20.31424 | 13 01 06.81 | -00 43 25.1 | 18.4 | 7 809 | 1993 FX ₃₁ | 1993 03 20.31424 | 13 10 21.12 | -01 20 54.3 | 17.5 | 7 809 |
| 1993 FF ₃₁ | 1993 03 23.28576 | 12 58 27.67 | -00 22 30.6 | 17.9 | 7 809 | 1993 FX ₃₁ | 1993 03 24.28090 | 13 07 24.89 | -00 58 46.8 | 17.9 | 7 809 |
| 1993 FF ₃₁ | 1993 03 24.28090 | 12 57 32.70 | -00 15 30.6 | 17.9 | 7 809 | 1993 FY ₃₁ | * 1993 03 19.32187 | 13 11 43.96 | -00 49 12.9 | 18.1 | 7 809 |
| 1993 FG ₃₁ | * 1993 03 19.32187 | 13 02 24.17 | -01 10 21.5 | 18.1 | 7 809 | 1993 FY ₃₁ | 1993 03 20.31424 | 13 10 57.11 | -00 46 28.6 | 19.2 | 7 809 |
| 1993 FG ₃₁ | 1993 03 20.31424 | 13 01 38.01 | -01 07 14.3 | 18.4 | 7 809 | 1993 FY ₃₁ | 1993 03 24.28090 | 13 07 37.99 | -00 35 12.9 | 17.9 | 7 809 |
| 1993 FG ₃₁ | 1993 03 24.28090 | 12 58 22.60 | -00 54 35.1 | 18.7 | 7 809 | 1993 FZ ₃₁ | * 1993 03 19.32187 | 13 12 43.55 | -01 04 06.3 | 18.1 | 7 809 |
| 1993 FH ₃₁ | * 1993 03 19.32187 | 13 03 07.87 | -02 10 06.1 | 19.8 | 7 809 | 1993 FZ ₃₁ | 1993 03 20.31424 | 13 11 56.53 | -00 56 24.0 | 17.5 | 7 809 |
| 1993 FH ₃₁ | 1993 03 20.31424 | 13 02 19.17 | -02 05 29.6 | 20.1 | 7 809 | 1993 FZ ₃₁ | 1993 03 24.28090 | 13 08 41.06 | -00 25 35.5 | 17.9 | 7 809 |
| 1993 FH ₃₁ | 1993 03 24.28090 | 12 58 55.05 | -01 46 44.4 | 20.4 | 7 809 | 1993 FA ₃₂ | * 1993 03 19.32187 | 13 13 38.77 | -01 30 42.9 | 18.1 | 7 809 |
| 1993 FJ ₃₁ | * 1993 03 19.32187 | 13 03 12.55 | -01 24 34.3 | 19.0 | 7 809 | 1993 FA ₃₂ | 1993 03 20.31424 | 13 12 51.99 | -01 25 59.0 | 18.4 | 7 809 |
| 1993 FJ ₃₁ | 1993 03 20.31424 | 13 02 27.56 | -01 20 37.2 | 18.4 | 7 809 | 1993 FA ₃₂ | 1993 03 24.28090 | 13 09 37.09 | -01 06 40.0 | 17.9 | 7 809 |
| 1993 FJ ₃₁ | 1993 03 24.28090 | 12 59 15.90 | -01 04 25.8 | 17.9 | 7 809 | 1993 FB ₃₂ | * 1993 03 19.32187 | 13 14 11.13 | -04 48 10.0 | 19.8 | 7 809 |
| 1993 FK ₃₁ | * 1993 03 19.32187 | 13 03 51.86 | -01 33 35.8 | 19.0 | 7 809 | 1993 FB ₃₂ | 1993 03 20.31424 | 13 13 25.65 | -04 42 08.2 | 18.4 | 7 809 |
| 1993 FK ₃₁ | 1993 03 20.31424 | 13 03 03.25 | -01 29 45.8 | 18.4 | 7 809 | 1993 FB ₃₂ | 1993 03 24.28090 | 13 10 15.72 | -04 17 17.6 | 17.9 | 7 809 |
| 1993 FK ₃₁ | 1993 03 24.28090 | 12 59 38.37 | -01 14 02.9 | 18.7 | 7 809 | 1993 FC ₃₂ | * 1993 03 19.32187 | 13 14 20.36 | -00 54 59.5 | 19.0 | 7 809 |
| 1993 FL ₃₁ | * 1993 03 19.32187 | 13 04 00.80 | -01 02 04.8 | 17.3 | 7 809 | 1993 FC ₃₂ | 1993 03 20.31424 | 13 13 30.56 | -00 53 01.4 | 18.4 | 7 809 |
| 1993 FL ₃₁ | 1993 03 20.31424 | 13 03 19.23 | -00 56 35.4 | 17.5 | 7 809 | 1993 FC ₃₂ | 1993 03 24.28090 | 13 10 00.91 | -00 44 52.1 | 19.6 | 7 809 |
| 1993 FL ₃₁ | 1993 03 24.28090 | 13 00 27.06 | -00 34 35.8 | 17.0 | 7 809 | 1993 FD ₃₂ | * 1993 03 19.32187 | 13 14 32.17 | -01 08 04.6 | 19.0 | 7 809 |
| 1993 FM ₃₁ | * 1993 03 19.32187 | 13 04 09.62 | -03 31 31.1 | 19.8 | 7 809 | 1993 FD ₃₂ | 1993 03 20.31424 | 13 13 50.46 | -01 04 29.1 | 19.2 | 7 809 |
| 1993 FM ₃₁ | 1993 03 20.31424 | 13 03 16.40 | -03 25 02.4 | 20.1 | 7 809 | 1993 FD ₃₂ | 1993 03 24.28090 | 13 10 55.35 | -00 49 57.2 | 18.7 | 7 809 |
| 1993 FM ₃₁ | 1993 03 24.28090 | 12 59 35.44 | -02 58 35.7 | 20.4 | 7 809 | 1993 FE ₃₂ | * 1993 03 19.32187 | 13 14 52.51 | -01 47 04.5 | 19.0 | 7 809 |
| 1993 FN ₃₁ | * 1993 03 19.32187 | 13 04 19.95 | -03 30 45.3 | 19.8 | 7 809 | 1993 FE ₃₂ | 1993 03 20.31424 | 13 13 59.75 | -01 41 48.3 | 18.4 | 7 809 |
| 1993 FN ₃₁ | 1993 03 20.31424 | 13 03 32.63 | -03 24 19.1 | 20.1 | 7 809 | 1993 FE ₃₂ | 1993 03 24.28090 | 13 10 20.06 | -01 20 21.9 | 19.6 | 7 809 |
| 1993 FN ₃₁ | 1993 03 24.28090 | 13 00 15.68 | -02 57 50.1 | 18.7 | 7 809 | 1993 FF ₃₂ | * 1993 03 19.32187 | 13 15 25.48 | -00 59 57.5 | 17.3 | 7 809 |
| 1993 FO ₃₁ | * 1993 03 19.32187 | 13 04 56.17 | -05 09 15.1 | 19.8 | 7 809 | 1993 FF ₃₂ | 1993 03 20.31424 | 13 14 41.22 | -00 58 14.4 | 16.7 | 7 809 |
| 1993 FO ₃₁ | 1993 03 20.31424 | 13 04 06.32 | -05 05 14.8 | 20.1 | 7 809 | 1993 FF ₃₂ | 1993 03 24.28090 | 13 11 32.25 | -00 51 09.4 | 17.9 | 7 809 |
| 1993 FO ₃₁ | 1993 03 24.28090 | 13 00 36.89 | -04 48 29.4 | 18.7 | 7 809 | 1993 FG ₃₂ | * 1993 03 21.12743 | 12 16 03.64 | -10 14 10.7 | 18.6 | 7 809 |
| 1993 FP ₃₁ | * 1993 03 19.32187 | 13 05 27.35 | -00 44 06.1 | 19.8 | 7 809 | 1993 FG ₃₂ | 1993 03 22.12465 | 12 15 16.83 | -10 07 35.9 | 18.7 | 7 809 |
| 1993 FP ₃₁ | 1993 03 20.31424 | 13 04 32.30 | -00 39 41.6 | 18.4 | 7 809 | 1993 FG ₃₂ | 1993 03 26.11354 | 12 12 08.75 | -09 40 26.1 | 18.9 | 7 809 |
| 1993 FP ₃₁ | 1993 03 24.28090 | 13 00 44.15 | -00 21 59.6 | 18.7 | 7 809 | 1993 FH ₃₂ | * 1993 03 21.12743 | 12 16 48.39 | -10 37 43.9 | 17.0 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FH ₃₂ | 1993 03 22.12465 | 12 15 55.78 | -10 31 19.6 | 17.0 | 7 809 | 1993 FZ ₃₂ | 1993 03 24.28090 | 12 58 13.75 | -01 39 37.7 | 18.7 | 7 809 |
| 1993 FH ₃₂ | 1993 03 26.11354 | 12 12 22.90 | -10 04 13.4 | 17.2 | 7 809 | 1993 FA ₃₃ | * 1993 03 19.32187 | 13 03 17.03 | -01 44 00.0 | 19.0 | 7 809 |
| 1993 FJ ₃₂ | * 1993 03 21.12743 | 12 17 23.28 | -10 14 25.6 | 17.8 | 7 809 | 1993 FA ₃₃ | 1993 03 20.31424 | 13 02 35.88 | -01 37 00.6 | 17.5 | 7 809 |
| 1993 FJ ₃₂ | 1993 03 22.12465 | 12 16 30.35 | -10 10 04.9 | 17.9 | 7 809 | 1993 FA ₃₃ | 1993 03 24.28090 | 12 59 41.78 | -01 08 36.0 | 17.9 | 7 809 |
| 1993 FJ ₃₂ | 1993 03 26.11354 | 12 12 55.32 | -09 51 17.1 | 18.1 | 7 809 | 1993 FB ₃₃ | * 1993 03 19.32187 | 13 04 17.98 | -02 41 32.1 | 19.0 | 7 809 |
| 1993 FK ₃₂ | * 1993 03 21.12743 | 12 17 57.72 | -10 42 46.9 | 17.0 | 7 809 | 1993 FB ₃₃ | 1993 03 20.31424 | 13 03 34.45 | -02 35 42.6 | 20.1 | 7 809 |
| 1993 FK ₃₂ | 1993 03 22.12465 | 12 17 13.61 | -10 31 37.3 | 17.9 | 7 809 | 1993 FB ₃₃ | 1993 03 24.28090 | 13 00 34.25 | -02 12 00.5 | 18.7 | 7 809 |
| 1993 FK ₃₂ | 1993 03 26.11354 | 12 14 14.52 | -09 45 10.8 | 17.2 | 7 809 | 1993 FC ₃₃ | * 1993 03 19.32187 | 13 05 27.15 | -01 41 30.6 | 19.8 | 7 809 |
| 1993 FL ₃₂ | * 1993 03 21.12743 | 12 20 51.54 | -10 43 28.7 | 18.6 | 7 809 | 1993 FC ₃₃ | 1993 03 20.31424 | 13 04 45.01 | -01 34 54.4 | 19.2 | 7 809 |
| 1993 FL ₃₂ | 1993 03 22.12465 | 12 20 02.79 | -10 40 49.2 | 18.7 | 7 809 | 1993 FC ₃₃ | 1993 03 24.28090 | 13 01 45.29 | -01 07 54.7 | 18.7 | 7 809 |
| 1993 FL ₃₂ | 1993 03 26.11354 | 12 16 45.72 | -10 29 15.5 | 18.1 | 7 809 | 1993 FD ₃₃ | * 1993 03 19.32187 | 13 05 35.29 | -02 23 32.7 | 19.0 | 7 809 |
| 1993 FM ₃₂ | * 1993 03 21.12743 | 12 23 39.42 | -10 30 38.5 | 17.8 | 7 809 | 1993 FD ₃₃ | 1993 03 20.31424 | 13 04 55.05 | -02 18 31.9 | 17.5 | 7 809 |
| 1993 FM ₃₂ | 1993 03 22.12465 | 12 22 41.67 | -10 26 51.2 | 18.7 | 7 809 | 1993 FD ₃₃ | 1993 03 24.28090 | 13 02 08.27 | -01 58 05.4 | 17.9 | 7 809 |
| 1993 FM ₃₂ | 1993 03 26.11354 | 12 18 46.02 | -10 10 18.2 | 19.7 | 7 809 | 1993 FE ₃₃ | * 1993 03 19.32187 | 13 05 41.15 | -02 32 13.3 | 19.8 | 7 809 |
| 1993 FN ₃₂ | * 1993 03 21.30174 | 12 58 45.70 | -05 44 09.9 | 19.4 | 7 809 | 1993 FE ₃₃ | 1993 03 20.31424 | 13 05 00.24 | -02 25 53.3 | 19.2 | 7 809 |
| 1993 FN ₃₂ | 1993 03 22.29549 | 12 58 02.26 | -05 38 22.8 | 17.9 | 7 809 | 1993 FE ₃₃ | 1993 03 24.28090 | 13 02 04.36 | -01 59 46.8 | 18.7 | 7 809 |
| 1993 FN ₃₂ | 1993 03 24.28090 | 12 56 33.47 | -05 26 30.8 | 17.9 | 7 809 | 1993 FF ₃₃ | * 1993 03 19.32187 | 13 05 54.52 | -02 36 32.3 | 17.3 | 7 809 |
| 1993 FO ₃₂ | * 1993 03 21.30174 | 13 05 47.73 | -05 42 12.4 | 19.4 | 7 809 | 1993 FF ₃₃ | 1993 03 20.31424 | 13 05 14.08 | -02 33 09.8 | 17.5 | 7 809 |
| 1993 FO ₃₂ | 1993 03 22.29549 | 13 05 01.66 | -05 36 42.4 | 19.6 | 7 809 | 1993 FF ₃₃ | 1993 03 24.28090 | 13 02 26.46 | -02 19 23.6 | 17.9 | 7 809 |
| 1993 FO ₃₂ | 1993 03 24.28090 | 13 03 26.24 | -05 25 21.8 | 20.4 | 7 809 | 1993 FG ₃₃ | * 1993 03 19.32187 | 13 05 58.36 | -02 17 39.6 | 18.1 | 7 809 |
| 1993 FP ₃₂ | * 1993 03 21.30174 | 13 10 43.02 | -05 44 43.3 | 19.4 | 7 809 | 1993 FG ₃₃ | 1993 03 20.31424 | 13 05 16.66 | -02 12 46.1 | 18.4 | 7 809 |
| 1993 FP ₃₂ | 1993 03 22.29549 | 13 09 56.57 | -05 38 11.5 | 18.7 | 7 809 | 1993 FG ₃₃ | 1993 03 24.28090 | 13 02 23.19 | -01 52 55.9 | 17.9 | 7 809 |
| 1993 FP ₃₂ | 1993 03 24.28090 | 13 08 20.50 | -05 24 51.1 | 17.9 | 7 809 | 1993 FH ₃₃ | * 1993 03 19.32187 | 13 08 01.01 | -03 12 12.6 | 19.8 | 7 809 |
| 1993 FQ ₃₂ | * 1993 03 21.30174 | 13 13 57.20 | -05 42 40.1 | 18.6 | 7 809 | 1993 FH ₃₃ | 1993 03 20.31424 | 13 07 15.70 | -03 08 03.9 | 20.1 | 7 809 |
| 1993 FQ ₃₂ | 1993 03 22.29549 | 13 13 15.89 | -05 38 46.2 | 18.7 | 7 809 | 1993 FH ₃₃ | 1993 03 24.28090 | 13 04 04.67 | -02 50 54.2 | 19.6 | 7 809 |
| 1993 FQ ₃₂ | 1993 03 24.28090 | 13 11 51.20 | -05 30 43.5 | 17.9 | 7 809 | 1993 FJ ₃₃ | * 1993 03 19.32187 | 13 08 32.88 | -03 09 42.6 | 17.3 | 7 809 |
| 1993 FR ₃₂ | * 1993 03 19.32187 | 12 58 32.57 | -01 32 05.7 | 19.8 | 7 809 | 1993 FJ ₃₃ | 1993 03 20.31424 | 13 07 46.66 | -03 05 27.4 | 18.4 | 7 809 |
| 1993 FR ₃₂ | 1993 03 20.31424 | 12 57 49.17 | -01 27 25.7 | 19.2 | 7 809 | 1993 FJ ₃₃ | 1993 03 24.28090 | 13 04 34.30 | -02 47 57.5 | 17.9 | 7 809 |
| 1993 FR ₃₂ | 1993 03 24.28090 | 12 54 48.95 | -01 08 35.0 | 18.7 | 7 809 | 1993 FK ₃₃ | * 1993 03 19.32187 | 13 08 35.82 | -01 58 46.7 | 16.4 | 7 809 |
| 1993 FS ₃₂ | * 1993 03 19.32187 | 12 58 32.66 | -01 55 06.2 | 19.0 | 7 809 | 1993 FK ₃₃ | 1993 03 20.31424 | 13 07 55.45 | -01 53 25.0 | 16.7 | 7 809 |
| 1993 FS ₃₂ | 1993 03 20.31424 | 12 57 47.34 | -01 49 02.4 | 19.2 | 7 809 | 1993 FK ₃₃ | 1993 03 24.28090 | 13 05 07.52 | -01 31 47.5 | 17.0 | 7 809 |
| 1993 FS ₃₂ | 1993 03 24.28090 | 12 54 38.00 | -01 24 19.5 | 18.7 | 7 809 | 1993 FL ₃₃ | * 1993 03 19.32187 | 13 08 37.05 | -02 45 49.7 | 19.0 | 7 809 |
| 1993 FT ₃₂ | * 1993 03 19.32187 | 12 58 55.70 | -01 27 59.3 | 17.3 | 7 809 | 1993 FL ₃₃ | 1993 03 20.31424 | 13 07 48.19 | -02 41 15.7 | 18.4 | 7 809 |
| 1993 FT ₃₂ | 1993 03 20.31424 | 12 58 13.92 | -01 23 14.8 | 16.7 | 7 809 | 1993 FL ₃₃ | 1993 03 24.28090 | 13 04 25.39 | -02 22 35.5 | 19.6 | 7 809 |
| 1993 FT ₃₂ | 1993 03 24.28090 | 12 55 21.20 | -01 04 04.5 | 17.0 | 7 809 | 1993 FM ₃₃ | * 1993 03 19.32187 | 13 08 43.33 | -02 15 56.7 | 18.1 | 7 809 |
| 1993 FU ₃₂ | * 1993 03 19.32187 | 12 59 39.49 | -01 53 48.7 | 18.1 | 7 809 | 1993 FM ₃₃ | 1993 03 20.31424 | 13 07 58.94 | -02 10 01.5 | 17.5 | 7 809 |
| 1993 FU ₃₂ | 1993 03 20.31424 | 12 59 00.66 | -01 48 54.8 | 20.1 | 7 809 | 1993 FM ₃₃ | 1993 03 24.28090 | 13 04 49.96 | -01 45 42.3 | 17.9 | 7 809 |
| 1993 FU ₃₂ | 1993 03 24.28090 | 12 56 19.52 | -01 28 50.9 | 18.7 | 7 809 | 1993 FN ₃₃ | * 1993 03 19.32187 | 13 08 45.40 | -03 04 01.5 | 17.3 | 7 809 |
| 1993 FV ₃₂ | * 1993 03 19.32187 | 12 59 42.51 | -02 21 04.6 | 16.4 | 7 809 | 1993 FN ₃₃ | 1993 03 20.31424 | 13 08 02.59 | -03 01 07.1 | 17.5 | 7 809 |
| 1993 FV ₃₂ | 1993 03 20.31424 | 12 58 52.97 | -02 14 47.2 | 17.5 | 7 809 | 1993 FN ₃₃ | 1993 03 24.28090 | 13 05 01.90 | -02 49 03.8 | 17.9 | 7 809 |
| 1993 FV ₃₂ | 1993 03 24.28090 | 12 55 26.98 | -01 49 07.4 | 17.9 | 7 809 | 1993 FO ₃₃ | * 1993 03 19.32187 | 13 08 54.86 | -02 39 27.1 | 18.1 | 7 809 |
| 1993 FW ₃₂ | * 1993 03 19.32187 | 12 59 52.91 | -02 40 04.3 | 17.3 | 7 809 | 1993 FO ₃₃ | 1993 03 20.31424 | 13 08 08.46 | -02 34 36.8 | 17.5 | 7 809 |
| 1993 FW ₃₂ | 1993 03 20.31424 | 12 59 10.25 | -02 35 55.3 | 17.5 | 7 809 | 1993 FO ₃₃ | 1993 03 24.28090 | 13 04 50.67 | -02 14 31.4 | 17.9 | 7 809 |
| 1993 FW ₃₂ | 1993 03 24.28090 | 12 56 13.66 | -02 18 57.0 | 17.9 | 7 809 | 1993 FP ₃₃ | * 1993 03 19.32187 | 13 09 07.41 | -02 26 40.2 | 19.0 | 7 809 |
| 1993 FX ₃₂ | * 1993 03 19.32187 | 13 01 16.81 | -01 52 01.3 | 19.0 | 7 809 | 1993 FP ₃₃ | 1993 03 20.31424 | 13 08 21.80 | -02 20 21.8 | 18.4 | 7 809 |
| 1993 FX ₃₂ | 1993 03 20.31424 | 13 00 41.81 | -01 43 12.5 | 19.2 | 7 809 | 1993 FP ₃₃ | 1993 03 24.28090 | 13 05 11.69 | -01 54 44.4 | 17.9 | 7 809 |
| 1993 FX ₃₂ | 1993 03 24.28090 | 12 58 15.27 | -01 07 14.1 | 18.7 | 7 809 | 1993 FQ ₃₃ | * 1993 03 19.32187 | 13 09 19.74 | -02 46 19.7 | 18.1 | 7 809 |
| 1993 FY ₃₂ | * 1993 03 19.32187 | 13 02 04.41 | -02 02 07.3 | 17.3 | 7 809 | 1993 FQ ₃₃ | 1993 03 20.31424 | 13 08 28.67 | -02 41 53.5 | 18.4 | 7 809 |
| 1993 FY ₃₂ | 1993 03 20.31424 | 13 01 15.65 | -01 57 09.8 | 17.5 | 7 809 | 1993 FQ ₃₃ | 1993 03 24.28090 | 13 04 54.29 | -02 23 42.5 | 18.7 | 7 809 |
| 1993 FY ₃₂ | 1993 03 24.28090 | 12 57 53.13 | -01 37 02.9 | 17.0 | 7 809 | 1993 FR ₃₃ | * 1993 03 19.32187 | 13 09 33.34 | -02 47 37.1 | 16.4 | 7 809 |
| 1993 FZ ₃₂ | * 1993 03 19.32187 | 13 02 20.92 | -02 02 08.5 | 19.0 | 7 809 | 1993 FR ₃₃ | 1993 03 20.31424 | 13 08 40.46 | -02 44 15.1 | 16.7 | 7 809 |
| 1993 FZ ₃₂ | 1993 03 20.31424 | 13 01 33.71 | -01 57 44.2 | 19.2 | 7 809 | 1993 FR ₃₃ | 1993 03 24.28090 | 13 04 59.20 | -02 30 23.0 | 17.0 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FS ₃₃ | * 1993 03 19.32187 | 13 10 04.27 | -02 39 30.9 | 18.1 | 7 809 | 1993 FL ₃₄ | 1993 03 18.21840 | 12 35 44.16 | +02 52 12.5 | 17.0 | 7 809 |
| 1993 FS ₃₃ | 1993 03 20.31424 | 13 09 12.58 | -02 36 04.6 | 17.5 | 7 809 | 1993 FL ₃₄ | 1993 03 23.12188 | 12 32 17.80 | +03 09 30.0 | 17.0 | 7 809 |
| 1993 FS ₃₃ | 1993 03 24.28090 | 13 05 34.65 | -02 21 51.5 | 18.7 | 7 809 | 1993 FM ₃₄ | * 1993 03 17.19062 | 12 40 46.51 | +04 34 55.5 | 18.6 | 7 809 |
| 1993 FT ₃₃ | * 1993 03 19.32187 | 13 10 16.10 | -03 10 56.3 | 16.4 | 7 809 | 1993 FM ₃₄ | 1993 03 18.21840 | 12 40 03.45 | +04 39 35.5 | 17.9 | 7 809 |
| 1993 FT ₃₃ | 1993 03 20.31424 | 13 09 33.19 | -03 07 06.8 | 16.7 | 7 809 | 1993 FM ₃₄ | 1993 03 23.20451 | 12 36 27.33 | +05 01 59.7 | 17.8 | 7 809 |
| 1993 FT ₃₃ | 1993 03 24.28090 | 13 06 33.88 | -02 51 25.4 | 17.0 | 7 809 | 1993 FN ₃₄ | * 1993 03 17.19062 | 12 47 27.24 | +01 52 12.9 | 17.7 | 7 809 |
| 1993 FU ₃₃ | * 1993 03 19.32187 | 13 10 17.55 | -01 45 39.6 | 16.4 | 7 809 | 1993 FN ₃₄ | 1993 03 18.21840 | 12 46 45.80 | +01 56 53.1 | 17.0 | 7 809 |
| 1993 FU ₃₃ | 1993 03 20.31424 | 13 09 33.36 | -01 41 43.0 | 16.7 | 7 809 | 1993 FN ₃₄ | 1993 03 23.20451 | 12 43 16.50 | +02 19 34.0 | 17.8 | 7 809 |
| 1993 FU ₃₃ | 1993 03 24.28090 | 13 06 28.28 | -01 25 44.0 | 17.0 | 7 809 | 1993 FO ₃₄ | * 1993 03 19.32187 | 12 58 08.71 | -02 58 40.8 | 17.3 | 7 809 |
| 1993 FV ₃₃ | * 1993 03 19.32187 | 13 10 18.12 | -01 44 01.0 | 17.3 | 7 809 | 1993 FO ₃₄ | 1993 03 20.31424 | 12 57 32.36 | -02 52 10.7 | 17.5 | 7 809 |
| 1993 FV ₃₃ | 1993 03 20.31424 | 13 09 34.38 | -01 36 27.2 | 17.5 | 7 809 | 1993 FO ₃₄ | 1993 03 24.28090 | 12 55 00.59 | -02 25 38.0 | 17.0 | 7 809 |
| 1993 FV ₃₃ | 1993 03 24.28090 | 13 06 32.12 | -01 05 53.9 | 17.9 | 7 809 | 1993 FP ₃₄ | * 1993 03 19.32187 | 12 58 15.78 | -02 42 35.5 | 16.4 | 7 809 |
| 1993 FW ₃₃ | * 1993 03 19.32187 | 13 11 13.47 | -01 55 48.5 | 19.0 | 7 809 | 1993 FP ₃₄ | 1993 03 20.31424 | 12 57 34.11 | -02 39 39.2 | 17.5 | 7 809 |
| 1993 FW ₃₃ | 1993 03 20.31424 | 13 10 29.86 | -01 51 35.1 | 19.2 | 7 809 | 1993 FP ₃₄ | 1993 03 24.28090 | 12 54 41.84 | -02 27 36.2 | 17.9 | 7 809 |
| 1993 FW ₃₃ | 1993 03 24.28090 | 13 07 23.27 | -01 34 17.8 | 17.9 | 7 809 | 1993 FQ ₃₄ | * 1993 03 19.32187 | 12 59 40.13 | -03 11 33.5 | 17.3 | 7 809 |
| 1993 FX ₃₃ | * 1993 03 19.32187 | 13 11 34.42 | -01 58 16.9 | 19.0 | 7 809 | 1993 FQ ₃₄ | 1993 03 20.31424 | 12 58 46.34 | -03 09 17.8 | 17.5 | 7 809 |
| 1993 FX ₃₃ | 1993 03 20.31424 | 13 10 58.55 | -01 52 23.3 | 20.1 | 7 809 | 1993 FQ ₃₄ | 1993 03 24.28090 | 12 55 00.37 | -02 59 42.2 | 17.9 | 7 809 |
| 1993 FX ₃₃ | 1993 03 24.28090 | 13 08 27.25 | -01 28 23.6 | 18.7 | 7 809 | 1993 FR ₃₄ | * 1993 03 19.32187 | 12 59 43.09 | -03 00 41.3 | 17.3 | 7 809 |
| 1993 FY ₃₃ | * 1993 03 19.32187 | 13 11 34.96 | -02 54 26.7 | 18.1 | 7 809 | 1993 FR ₃₄ | 1993 03 20.31424 | 12 59 00.72 | -02 54 48.2 | 16.7 | 7 809 |
| 1993 FY ₃₃ | 1993 03 20.31424 | 13 10 43.82 | -02 50 45.7 | 18.4 | 7 809 | 1993 FR ₃₄ | 1993 03 24.28090 | 12 56 05.75 | -02 30 52.8 | 17.9 | 7 809 |
| 1993 FY ₃₃ | 1993 03 24.28090 | 13 07 11.70 | -02 35 43.8 | 18.7 | 7 809 | 1993 FS ₃₄ | * 1993 03 19.32187 | 12 59 54.33 | -04 08 11.5 | 17.3 | 7 809 |
| 1993 FA ₃₄ | * 1993 03 19.32187 | 13 12 04.08 | -01 42 31.8 | 19.0 | 7 809 | 1993 FS ₃₄ | 1993 03 20.31424 | 12 59 15.52 | -04 04 13.1 | 17.5 | 7 809 |
| 1993 FA ₃₄ | 1993 03 20.31424 | 13 11 23.39 | -01 33 22.0 | 20.1 | 7 809 | 1993 FS ₃₄ | 1993 03 24.28090 | 12 56 35.27 | -03 48 00.4 | 17.9 | 7 809 |
| 1993 FA ₃₄ | 1993 03 24.28090 | 13 08 28.80 | -00 55 43.6 | 18.7 | 7 809 | 1993 FT ₃₄ | * 1993 03 19.32187 | 12 59 59.08 | -03 42 46.8 | 19.0 | 7 809 |
| 1993 FB ₃₄ | * 1993 03 19.32187 | 13 12 19.39 | -03 03 01.2 | 19.0 | 7 809 | 1993 FT ₃₄ | 1993 03 20.31424 | 12 59 22.15 | -03 33 36.4 | 19.2 | 7 809 |
| 1993 FB ₃₄ | 1993 03 20.31424 | 13 11 41.97 | -02 58 00.2 | 18.4 | 7 809 | 1993 FT ₃₄ | 1993 03 24.28090 | 12 56 49.37 | -02 56 26.7 | 17.9 | 7 809 |
| 1993 FB ₃₄ | 1993 03 24.28090 | 13 09 05.87 | -02 37 31.5 | 18.7 | 7 809 | 1993 FU ₃₄ | * 1993 03 19.32187 | 13 00 07.56 | -02 59 32.8 | 18.1 | 7 809 |
| 1993 FC ₃₄ | * 1993 03 19.32187 | 13 12 26.94 | -02 34 31.0 | 17.3 | 7 809 | 1993 FU ₃₄ | 1993 03 20.31424 | 12 59 15.57 | -02 52 14.4 | 19.2 | 7 809 |
| 1993 FC ₃₄ | 1993 03 20.31424 | 13 11 43.14 | -02 31 53.8 | 17.5 | 7 809 | 1993 FU ₃₄ | 1993 03 24.28090 | 12 55 38.94 | -02 22 25.0 | 18.7 | 7 809 |
| 1993 FC ₃₄ | 1993 03 24.28090 | 13 08 41.24 | -02 21 03.9 | 17.9 | 7 809 | 1993 FV ₃₄ | * 1993 03 19.32187 | 13 00 19.59 | -02 52 12.7 | 17.3 | 7 809 |
| 1993 FD ₃₄ | * 1993 03 19.32187 | 13 12 36.00 | -02 25 24.9 | 19.0 | 7 809 | 1993 FV ₃₄ | 1993 03 20.31424 | 12 59 41.35 | -02 47 57.6 | 17.5 | 7 809 |
| 1993 FD ₃₄ | 1993 03 20.31424 | 13 12 00.13 | -02 18 32.0 | 18.4 | 7 809 | 1993 FV ₃₄ | 1993 03 24.28090 | 12 57 03.22 | -02 30 38.6 | 17.9 | 7 809 |
| 1993 FD ₃₄ | 1993 03 24.28090 | 13 09 29.86 | -01 50 29.2 | 18.7 | 7 809 | 1993 FW ₃₄ | * 1993 03 19.32187 | 13 00 28.85 | -03 07 28.3 | 17.3 | 7 809 |
| 1993 FE ₃₄ | * 1993 03 19.32187 | 13 13 12.06 | -02 08 21.4 | 15.6 | 7 809 | 1993 FW ₃₄ | 1993 03 20.31424 | 12 59 50.83 | -03 02 44.0 | 17.5 | 7 809 |
| 1993 FE ₃₄ | 1993 03 20.31424 | 13 12 27.84 | -02 04 38.7 | 16.7 | 7 809 | 1993 FW ₃₄ | 1993 03 24.28090 | 12 57 13.19 | -02 43 22.8 | 17.9 | 7 809 |
| 1993 FE ₃₄ | 1993 03 24.28090 | 13 09 16.63 | -01 49 07.1 | 16.2 | 7 809 | 1993 FX ₃₄ | * 1993 03 19.32187 | 13 00 36.11 | -04 05 18.2 | 16.4 | 7 809 |
| 1993 FF ₃₄ | * 1993 03 19.32187 | 13 13 35.29 | -02 13 24.6 | 19.8 | 7 809 | 1993 FX ₃₄ | 1993 03 20.31424 | 12 59 59.53 | -03 57 28.6 | 16.7 | 7 809 |
| 1993 FF ₃₄ | 1993 03 20.31424 | 13 12 42.00 | -02 08 45.9 | 19.2 | 7 809 | 1993 FX ₃₄ | 1993 03 24.28090 | 12 57 27.06 | -03 25 32.6 | 17.0 | 7 809 |
| 1993 FF ₃₄ | 1993 03 24.28090 | 13 08 59.55 | -01 49 47.0 | 18.7 | 7 809 | 1993 FY ₃₄ | * 1993 03 19.32187 | 13 00 38.25 | -03 15 11.1 | 19.0 | 7 809 |
| 1993 FG ₃₄ | * 1993 03 19.32187 | 13 13 42.99 | -03 11 40.5 | 19.0 | 7 809 | 1993 FY ₃₄ | 1993 03 20.31424 | 12 59 56.25 | -03 06 55.9 | 17.5 | 7 809 |
| 1993 FG ₃₄ | 1993 03 20.31424 | 13 12 55.19 | -03 05 26.3 | 19.2 | 7 809 | 1993 FY ₃₄ | 1993 03 24.28090 | 12 56 58.91 | -02 33 07.3 | 17.9 | 7 809 |
| 1993 FG ₃₄ | 1993 03 24.28090 | 13 09 34.88 | -02 39 56.0 | 19.6 | 7 809 | 1993 FZ ₃₄ | * 1993 03 19.32187 | 13 01 15.26 | -04 09 01.0 | 18.1 | 7 809 |
| 1993 FH ₃₄ | * 1993 03 19.32187 | 13 14 46.21 | -03 01 25.7 | 17.3 | 7 809 | 1993 FZ ₃₄ | 1993 03 20.31424 | 13 00 29.91 | -04 04 46.7 | 17.5 | 7 809 |
| 1993 FH ₃₄ | 1993 03 20.31424 | 13 14 00.00 | -02 58 04.5 | 18.4 | 7 809 | 1993 FZ ₃₄ | 1993 03 24.28090 | 12 57 19.16 | -03 47 09.0 | 17.9 | 7 809 |
| 1993 FH ₃₄ | 1993 03 24.28090 | 13 10 45.93 | -02 44 13.1 | 17.9 | 7 809 | 1993 FA ₃₅ | * 1993 03 19.32187 | 13 01 49.01 | -03 27 45.7 | 17.3 | 7 809 |
| 1993 FJ ₃₄ | * 1993 03 19.32187 | 13 15 03.56 | -02 56 38.0 | 19.0 | 7 809 | 1993 FA ₃₅ | 1993 03 20.31424 | 13 01 09.42 | -03 22 29.8 | 16.7 | 7 809 |
| 1993 FJ ₃₄ | 1993 03 20.31424 | 13 14 28.71 | -02 44 56.5 | 20.1 | 7 809 | 1993 FA ₃₅ | 1993 03 24.28090 | 12 58 24.84 | -03 00 59.1 | 17.0 | 7 809 |
| 1993 FJ ₃₄ | 1993 03 24.28090 | 13 11 59.43 | -01 57 11.8 | 20.4 | 7 809 | 1993 FB ₃₅ | * 1993 03 19.32187 | 13 01 57.03 | -03 31 53.5 | 18.1 | 7 809 |
| 1993 FK ₃₄ | * 1993 03 19.32187 | 13 15 16.36 | -02 01 58.3 | 19.0 | 7 809 | 1993 FB ₃₅ | 1993 03 20.31424 | 13 01 17.52 | -03 26 30.2 | 18.4 | 7 809 |
| 1993 FK ₃₄ | 1993 03 20.31424 | 13 14 31.35 | -01 56 56.5 | 17.5 | 7 809 | 1993 FB ₃₅ | 1993 03 24.28090 | 12 58 31.14 | -03 04 28.8 | 18.7 | 7 809 |
| 1993 FK ₃₄ | 1993 03 24.28090 | 13 11 18.32 | -01 35 59.1 | 17.9 | 7 809 | 1993 FC ₃₅ | * 1993 03 19.32187 | 13 02 29.99 | -03 35 22.1 | 19.8 | 7 809 |
| 1993 FL ₃₄ | * 1993 03 17.19062 | 12 36 26.34 | +02 48 32.7 | 16.9 | 7 809 | 1993 FC ₃₅ | 1993 03 20.31424 | 13 01 42.59 | -03 28 25.3 | 20.1 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FC ₃₅ | 1993 03 24.28090 | 12 58 22.83 | -02 59 43.8 | 20.4 | 7 809 | 1993 FV ₃₅ | * 1993 03 19.32187 | 13 08 59.78 | -04 16 35.9 | 19.0 | 7 809 |
| 1993 FD ₃₅ | * 1993 03 19.32187 | 13 02 37.40 | -03 49 28.2 | 17.3 | 7 809 | 1993 FV ₃₅ | 1993 03 20.31424 | 13 08 23.03 | -04 10 13.4 | 20.1 | 7 809 |
| 1993 FD ₃₅ | 1993 03 20.31424 | 13 01 57.72 | -03 43 30.0 | 17.5 | 7 809 | 1993 FV ₃₅ | 1993 03 24.28090 | 13 05 43.28 | -03 43 35.7 | 19.6 | 7 809 |
| 1993 FD ₃₅ | 1993 03 24.28090 | 12 59 14.35 | -03 19 16.1 | 17.9 | 7 809 | 1993 FW ₃₅ | * 1993 03 19.32187 | 13 09 15.84 | -03 59 37.3 | 19.8 | 7 809 |
| 1993 FE ₃₅ | * 1993 03 19.32187 | 13 02 48.87 | -04 06 59.1 | 18.1 | 7 809 | 1993 FW ₃₅ | 1993 03 20.31424 | 13 08 40.52 | -03 51 51.3 | 19.2 | 7 809 |
| 1993 FE ₃₅ | 1993 03 20.31424 | 13 02 01.10 | -04 01 20.6 | 17.5 | 7 809 | 1993 FW ₃₅ | 1993 03 24.28090 | 13 06 12.11 | -03 19 57.8 | 20.4 | 7 809 |
| 1993 FE ₃₅ | 1993 03 24.28090 | 12 58 39.09 | -03 37 54.2 | 17.9 | 7 809 | 1993 FX ₃₅ | * 1993 03 19.32187 | 13 09 35.79 | -03 18 39.3 | 17.3 | 7 809 |
| 1993 FF ₃₅ | * 1993 03 19.32187 | 13 02 58.92 | -03 13 42.2 | 16.4 | 7 809 | 1993 FX ₃₅ | 1993 03 20.31424 | 13 08 27.71 | -03 20 12.0 | 16.7 | 7 809 |
| 1993 FF ₃₅ | 1993 03 20.31424 | 13 02 17.55 | -03 08 30.0 | 17.5 | 7 809 | 1993 FX ₃₅ | 1993 03 24.28090 | 13 03 42.64 | -03 26 07.4 | 17.9 | 7 809 |
| 1993 FF ₃₅ | 1993 03 24.28090 | 12 59 25.83 | -02 47 19.9 | 17.0 | 7 809 | 1993 FY ₃₅ | * 1993 03 19.32187 | 13 09 52.51 | -04 27 55.3 | 16.4 | 7 809 |
| 1993 FG ₃₅ | * 1993 03 19.32187 | 13 03 24.98 | -02 47 19.7 | 17.3 | 7 809 | 1993 FY ₃₅ | 1993 03 20.31424 | 13 08 56.45 | -04 27 23.1 | 17.5 | 7 809 |
| 1993 FG ₃₅ | 1993 03 20.31424 | 13 02 38.81 | -02 43 51.2 | 17.5 | 7 809 | 1993 FY ₃₅ | 1993 03 24.28090 | 13 05 03.57 | -04 24 45.6 | 17.9 | 7 809 |
| 1993 FG ₃₅ | 1993 03 24.28090 | 12 59 22.67 | -02 29 24.6 | 17.9 | 7 809 | 1993 FZ ₃₅ | * 1993 03 19.32187 | 13 10 06.80 | -03 35 49.9 | 18.1 | 7 809 |
| 1993 FH ₃₅ | * 1993 03 19.32187 | 13 05 08.78 | -04 03 48.5 | 17.3 | 7 809 | 1993 FZ ₃₅ | 1993 03 20.31424 | 13 09 29.41 | -03 31 23.4 | 18.4 | 7 809 |
| 1993 FH ₃₅ | 1993 03 20.31424 | 13 04 34.52 | -03 52 54.6 | 17.5 | 7 809 | 1993 FZ ₃₅ | 1993 03 24.28090 | 13 06 53.89 | -03 13 07.4 | 17.9 | 7 809 |
| 1993 FH ₃₅ | 1993 03 24.28090 | 13 02 08.76 | -03 08 15.5 | 17.0 | 7 809 | 1993 FA ₃₆ | * 1993 03 19.32187 | 13 10 10.77 | -03 26 04.9 | 19.8 | 7 809 |
| 1993 FJ ₃₅ | * 1993 03 19.32187 | 13 05 13.75 | -02 47 02.3 | 18.1 | 7 809 | 1993 FA ₃₆ | 1993 03 20.31424 | 13 09 37.66 | -03 17 46.9 | 20.1 | 7 809 |
| 1993 FJ ₃₅ | 1993 03 20.31424 | 13 04 22.67 | -02 43 02.3 | 19.2 | 7 809 | 1993 FA ₃₆ | 1993 03 24.28090 | 13 07 12.34 | -02 43 20.0 | 19.6 | 7 809 |
| 1993 FJ ₃₅ | 1993 03 24.28090 | 13 00 48.41 | -02 26 31.8 | 19.6 | 7 809 | 1993 FB ₃₆ | * 1993 03 19.32187 | 13 10 13.29 | -04 23 33.5 | 18.1 | 7 809 |
| 1993 FK ₃₅ | * 1993 03 19.32187 | 13 05 17.50 | -03 41 18.4 | 19.0 | 7 809 | 1993 FB ₃₆ | 1993 03 20.31424 | 13 09 29.18 | -04 19 58.3 | 17.5 | 7 809 |
| 1993 FK ₃₅ | 1993 03 20.31424 | 13 04 35.59 | -03 37 45.3 | 18.4 | 7 809 | 1993 FB ₃₆ | 1993 03 24.28090 | 13 06 19.91 | -04 04 44.3 | 17.9 | 7 809 |
| 1993 FK ₃₅ | 1993 03 24.28090 | 13 01 41.61 | -03 23 08.0 | 18.7 | 7 809 | 1993 FC ₃₆ | * 1993 03 19.32187 | 13 11 47.66 | -04 14 04.8 | 18.1 | 7 809 |
| 1993 FL ₃₅ | * 1993 03 19.32187 | 13 05 24.01 | -03 35 08.4 | 19.0 | 7 809 | 1993 FC ₃₆ | 1993 03 20.31424 | 13 11 07.31 | -04 09 42.8 | 18.4 | 7 809 |
| 1993 FL ₃₅ | 1993 03 20.31424 | 13 04 32.42 | -03 30 57.3 | 19.2 | 7 809 | 1993 FC ₃₆ | 1993 03 24.28090 | 13 08 19.25 | -03 51 45.4 | 18.7 | 7 809 |
| 1993 FL ₃₅ | 1993 03 24.28090 | 13 00 56.78 | -03 13 44.2 | 20.4 | 7 809 | 1993 FD ₃₆ | * 1993 03 19.32187 | 13 12 09.60 | -03 53 31.9 | 16.4 | 7 809 |
| 1993 FM ₃₅ | * 1993 03 19.32187 | 13 05 45.15 | -04 18 15.9 | 15.6 | 7 809 | 1993 FD ₃₆ | 1993 03 20.31424 | 13 11 20.11 | -03 50 57.3 | 16.7 | 7 809 |
| 1993 FM ₃₅ | 1993 03 20.31424 | 13 04 50.39 | -04 14 32.3 | 15.9 | 7 809 | 1993 FD ₃₆ | 1993 03 24.28090 | 13 07 49.86 | -03 39 55.8 | 17.0 | 7 809 |
| 1993 FM ₃₅ | 1993 03 24.28090 | 13 01 02.61 | -03 59 00.5 | 16.2 | 7 809 | 1993 FE ₃₆ | * 1993 03 19.32187 | 13 12 12.52 | -04 11 59.3 | 17.3 | 7 809 |
| 1993 FN ₃₅ | * 1993 03 19.32187 | 13 06 04.40 | -04 53 47.5 | 19.8 | 7 809 | 1993 FE ₃₆ | 1993 03 20.31424 | 13 11 31.69 | -04 08 00.6 | 18.4 | 7 809 |
| 1993 FN ₃₅ | 1993 03 20.31424 | 13 05 19.30 | -04 48 51.1 | 18.4 | 7 809 | 1993 FE ₃₆ | 1993 03 24.28090 | 13 08 39.51 | -03 51 23.4 | 18.7 | 7 809 |
| 1993 FN ₃₅ | 1993 03 24.28090 | 13 02 10.94 | -04 28 29.5 | 18.7 | 7 809 | 1993 FF ₃₆ | * 1993 03 19.32187 | 13 13 17.44 | -04 02 23.7 | 18.1 | 7 809 |
| 1993 FO ₃₅ | * 1993 03 19.32187 | 13 06 12.80 | -03 19 00.1 | 19.8 | 7 809 | 1993 FF ₃₆ | 1993 03 20.31424 | 13 12 36.19 | -03 53 16.7 | 19.2 | 7 809 |
| 1993 FO ₃₅ | 1993 03 20.31424 | 13 05 28.21 | -03 10 07.0 | 18.4 | 7 809 | 1993 FF ₃₆ | 1993 03 24.28090 | 13 09 38.13 | -03 15 30.0 | 17.9 | 7 809 |
| 1993 FO ₃₅ | 1993 03 24.28090 | 13 02 20.86 | -02 33 55.4 | 18.7 | 7 809 | 1993 FG ₃₆ | * 1993 03 19.32187 | 13 13 22.04 | -03 35 41.9 | 17.3 | 7 809 |
| 1993 FP ₃₅ | * 1993 03 19.32187 | 13 06 34.97 | -03 23 09.2 | 19.8 | 7 809 | 1993 FG ₃₆ | 1993 03 20.31424 | 13 12 35.64 | -03 29 57.3 | 17.5 | 7 809 |
| 1993 FP ₃₅ | 1993 03 20.31424 | 13 05 34.70 | -03 25 05.3 | 18.4 | 7 809 | 1993 FG ₃₆ | 1993 03 24.28090 | 13 09 19.88 | -03 06 21.4 | 18.7 | 7 809 |
| 1993 FP ₃₅ | 1993 03 24.28090 | 13 01 23.30 | -03 32 31.6 | 19.6 | 7 809 | 1993 FH ₃₆ | * 1993 03 19.32187 | 13 13 51.24 | -04 32 03.1 | 16.4 | 7 809 |
| 1993 FQ ₃₅ | * 1993 03 19.32187 | 13 06 55.09 | -04 33 05.0 | 19.8 | 7 809 | 1993 FH ₃₆ | 1993 03 20.31424 | 13 13 09.62 | -04 24 48.5 | 17.5 | 7 809 |
| 1993 FQ ₃₅ | 1993 03 20.31424 | 13 06 05.28 | -04 28 36.4 | 18.4 | 7 809 | 1993 FH ₃₆ | 1993 03 24.28090 | 13 10 16.51 | -03 55 12.1 | 17.0 | 7 809 |
| 1993 FQ ₃₅ | 1993 03 24.28090 | 13 02 39.14 | -04 10 06.4 | 18.7 | 7 809 | 1993 FJ ₃₆ | * 1993 03 19.32187 | 13 13 55.67 | -03 33 55.0 | 18.1 | 7 809 |
| 1993 FR ₃₅ | * 1993 03 19.32187 | 13 07 02.76 | -04 13 16.3 | 16.4 | 7 809 | 1993 FJ ₃₆ | 1993 03 20.31424 | 13 13 04.69 | -03 29 34.8 | 18.4 | 7 809 |
| 1993 FR ₃₅ | 1993 03 20.31424 | 13 06 17.05 | -04 06 32.0 | 17.5 | 7 809 | 1993 FJ ₃₆ | 1993 03 24.28090 | 13 09 31.63 | -03 11 37.8 | 18.7 | 7 809 |
| 1993 FR ₃₅ | 1993 03 24.28090 | 13 03 05.37 | -03 38 52.8 | 17.9 | 7 809 | 1993 FK ₃₆ | * 1993 03 19.32187 | 13 14 20.69 | -04 00 58.9 | 17.3 | 7 809 |
| 1993 FS ₃₅ | * 1993 03 19.32187 | 13 07 38.10 | -04 02 53.8 | 15.6 | 7 809 | 1993 FK ₃₆ | 1993 03 20.31424 | 13 13 38.30 | -03 55 08.1 | 17.5 | 7 809 |
| 1993 FS ₃₅ | 1993 03 20.31424 | 13 06 57.48 | -03 59 19.7 | 16.7 | 7 809 | 1993 FK ₃₆ | 1993 03 24.28090 | 13 10 37.56 | -03 30 51.9 | 17.9 | 7 809 |
| 1993 FS ₃₅ | 1993 03 24.28090 | 13 04 08.02 | -03 44 35.1 | 17.0 | 7 809 | 1993 FL ₃₆ | * 1993 03 19.32187 | 13 14 36.84 | -04 04 39.8 | 15.6 | 7 809 |
| 1993 FT ₃₅ | * 1993 03 19.32187 | 13 08 06.84 | -03 56 00.9 | 19.8 | 7 809 | 1993 FL ₃₆ | 1993 03 20.31424 | 13 13 59.85 | -04 00 36.5 | 15.9 | 7 809 |
| 1993 FT ₃₅ | 1993 03 20.31424 | 13 07 23.15 | -03 49 46.4 | 20.1 | 7 809 | 1993 FL ₃₆ | 1993 03 24.28090 | 13 11 23.65 | -03 43 44.3 | 16.2 | 7 809 |
| 1993 FT ₃₅ | 1993 03 24.28090 | 13 04 20.85 | -03 24 05.9 | 18.7 | 7 809 | 1993 FM ₃₆ | * 1993 03 19.32187 | 13 15 22.55 | -03 38 21.4 | 19.8 | 7 809 |
| 1993 FU ₃₅ | * 1993 03 19.32187 | 13 08 42.52 | -03 44 30.2 | 17.3 | 7 809 | 1993 FM ₃₆ | 1993 03 20.31424 | 13 14 46.13 | -03 33 19.0 | 20.1 | 7 809 |
| 1993 FU ₃₅ | 1993 03 20.31424 | 13 08 04.22 | -03 40 09.9 | 17.5 | 7 809 | 1993 FM ₃₆ | 1993 03 24.28090 | 13 12 13.00 | -03 12 40.8 | 17.9 | 7 809 |
| 1993 FU ₃₅ | 1993 03 24.28090 | 13 05 25.84 | -03 22 27.6 | 17.9 | 7 809 | 1993 FN ₃₆ | * 1993 03 19.32187 | 12 54 52.49 | -01 34 08.3 | 18.1 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FN ₃₆ | 1993 03 20.23368 | 12 54 12.48 | -01 27 19.4 | 17.3 | 7 809 | 1993 FE ₃₇ | 1993 03 20.31424 | 13 01 49.31 | -04 57 46.5 | 19.2 | 7 809 |
| 1993 FN ₃₆ | 1993 03 20.31424 | 12 54 08.72 | -01 26 41.8 | 18.4 | 7 809 | 1993 FE ₃₇ | 1993 03 24.28090 | 12 58 40.02 | -04 30 55.7 | 18.7 | 7 809 |
| 1993 FN ₃₆ | 1993 03 24.19965 | 12 51 07.33 | -00 56 54.7 | 17.6 | 7 809 | 1993 FF ₃₇ | * 1993 03 19.32187 | 13 04 08.66 | -05 24 40.5 | 19.0 | 7 809 |
| 1993 FO ₃₆ | * 1993 03 19.32187 | 12 55 22.78 | -03 28 28.5 | 16.4 | 7 809 | 1993 FF ₃₇ | 1993 03 20.31424 | 13 03 27.76 | -05 20 43.3 | 18.4 | 7 809 |
| 1993 FO ₃₆ | 1993 03 20.31424 | 12 54 42.74 | -03 20 45.8 | 17.5 | 7 809 | 1993 FF ₃₇ | 1993 03 24.28090 | 13 00 36.88 | -05 04 17.2 | 18.7 | 7 809 |
| 1993 FO ₃₆ | 1993 03 24.19965 | 12 51 59.95 | -02 49 57.2 | 16.8 | 7 809 | 1993 FG ₃₇ | * 1993 03 19.32187 | 13 04 19.75 | -05 23 26.2 | 19.0 | 7 809 |
| 1993 FP ₃₆ | * 1993 03 19.32187 | 12 55 24.05 | -01 40 12.3 | 18.1 | 7 809 | 1993 FG ₃₇ | 1993 03 20.31424 | 13 03 38.34 | -05 17 36.1 | 20.1 | 7 809 |
| 1993 FP ₃₆ | 1993 03 20.31424 | 12 54 29.37 | -01 36 39.5 | 17.5 | 7 809 | 1993 FG ₃₇ | 1993 03 24.28090 | 13 00 45.76 | -04 53 36.3 | 17.9 | 7 809 |
| 1993 FP ₃₆ | 1993 03 24.19965 | 12 50 49.76 | -01 22 40.3 | 17.6 | 7 809 | 1993 FH ₃₇ | * 1993 03 19.32187 | 13 04 27.26 | -04 29 06.8 | 19.8 | 7 809 |
| 1993 FQ ₃₆ | * 1993 03 19.32187 | 12 55 39.67 | -00 53 51.3 | 16.4 | 7 809 | 1993 FH ₃₇ | 1993 03 20.31424 | 13 03 39.41 | -04 21 27.8 | 19.2 | 7 809 |
| 1993 FQ ₃₆ | 1993 03 20.31424 | 12 54 52.33 | -00 51 38.3 | 17.5 | 7 809 | 1993 FH ₃₇ | 1993 03 24.28090 | 13 00 19.28 | -03 49 55.4 | 19.6 | 7 809 |
| 1993 FQ ₃₆ | 1993 03 24.19965 | 12 51 41.52 | -00 42 53.9 | 17.6 | 7 809 | 1993 FJ ₃₇ | * 1993 03 19.32187 | 13 04 31.40 | -04 55 09.5 | 16.4 | 7 809 |
| 1993 FR ₃₆ | * 1993 03 19.32187 | 12 55 54.14 | -02 25 39.3 | 17.3 | 7 809 | 1993 FJ ₃₇ | 1993 03 20.31424 | 13 03 43.95 | -04 52 52.9 | 17.5 | 7 809 |
| 1993 FR ₃₆ | 1993 03 20.31424 | 12 55 14.01 | -02 20 57.6 | 17.5 | 7 809 | 1993 FJ ₃₇ | 1993 03 24.28090 | 13 00 26.06 | -04 43 12.5 | 17.0 | 7 809 |
| 1993 FR ₃₆ | 1993 03 24.19965 | 12 52 31.34 | -02 02 14.3 | 17.6 | 7 809 | 1993 FK ₃₇ | * 1993 03 19.32187 | 13 04 40.73 | -04 48 04.9 | 17.3 | 7 809 |
| 1993 FS ₃₆ | * 1993 03 19.32187 | 12 56 27.90 | -01 16 59.1 | 19.0 | 7 809 | 1993 FK ₃₇ | 1993 03 20.31424 | 13 03 58.23 | -04 44 03.9 | 17.5 | 7 809 |
| 1993 FS ₃₆ | 1993 03 20.31424 | 12 55 49.15 | -01 09 33.6 | 20.1 | 7 809 | 1993 FK ₃₇ | 1993 03 24.28090 | 13 01 02.01 | -04 27 28.8 | 17.9 | 7 809 |
| 1993 FS ₃₆ | 1993 03 24.19965 | 12 53 11.79 | -00 40 15.6 | 19.3 | 7 809 | 1993 FL ₃₇ | * 1993 03 19.32187 | 13 05 11.24 | -05 22 03.2 | 19.8 | 7 809 |
| 1993 FT ₃₆ | * 1993 03 19.32187 | 12 56 45.60 | -05 08 01.2 | 19.8 | 7 809 | 1993 FL ₃₇ | 1993 03 20.31424 | 13 04 32.97 | -05 17 24.1 | 19.2 | 7 809 |
| 1993 FT ₃₆ | 1993 03 20.31424 | 12 55 55.92 | -05 04 32.7 | 19.2 | 7 809 | 1993 FL ₃₇ | 1993 03 24.28090 | 13 01 53.06 | -04 58 16.8 | 18.7 | 7 809 |
| 1993 FT ₃₆ | 1993 03 24.19965 | 12 52 34.21 | -04 50 26.4 | 19.3 | 7 809 | 1993 FM ₃₇ | * 1993 03 19.32187 | 13 05 14.31 | -04 41 14.3 | 19.8 | 7 809 |
| 1993 FU ₃₆ | * 1993 03 19.32187 | 12 56 46.12 | -02 46 55.5 | 17.3 | 7 809 | 1993 FM ₃₇ | 1993 03 20.31424 | 13 04 36.06 | -04 36 31.4 | 20.1 | 7 809 |
| 1993 FU ₃₆ | 1993 03 20.31424 | 12 56 05.02 | -02 42 55.9 | 17.5 | 7 809 | 1993 FM ₃₇ | 1993 03 24.28090 | 13 01 55.96 | -04 16 58.2 | 17.9 | 7 809 |
| 1993 FU ₃₆ | 1993 03 24.19965 | 12 53 17.82 | -02 26 57.6 | 17.6 | 7 809 | 1993 FN ₃₇ | * 1993 03 19.32187 | 13 05 24.70 | -04 49 28.9 | 17.3 | 7 809 |
| 1993 FV ₃₆ | * 1993 03 19.32187 | 12 56 59.97 | -01 40 11.9 | 19.0 | 7 809 | 1993 FN ₃₇ | 1993 03 20.31424 | 13 04 32.83 | -04 44 26.5 | 19.2 | 7 809 |
| 1993 FV ₃₆ | 1993 03 20.31424 | 12 56 15.31 | -01 34 35.0 | 17.5 | 7 809 | 1993 FN ₃₇ | 1993 03 24.28090 | 13 00 56.17 | -04 23 31.6 | 18.7 | 7 809 |
| 1993 FV ₃₆ | 1993 03 24.19965 | 12 53 13.30 | -01 12 10.6 | 17.6 | 7 809 | 1993 FO ₃₇ | * 1993 03 19.32187 | 13 05 31.69 | -04 42 40.5 | 16.4 | 7 809 |
| 1993 FW ₃₆ | * 1993 03 19.32187 | 12 57 11.46 | -03 13 51.6 | 16.4 | 7 809 | 1993 FO ₃₇ | 1993 03 20.31424 | 13 04 51.50 | -04 36 54.3 | 17.5 | 7 809 |
| 1993 FW ₃₆ | 1993 03 20.31424 | 12 56 29.09 | -03 07 21.0 | 16.7 | 7 809 | 1993 FO ₃₇ | 1993 03 24.28090 | 13 02 03.05 | -04 13 14.7 | 17.0 | 7 809 |
| 1993 FW ₃₆ | 1993 03 24.19965 | 12 53 37.22 | -02 41 22.9 | 16.8 | 7 809 | 1993 FP ₃₇ | * 1993 03 19.32187 | 13 06 10.93 | -04 33 32.2 | 17.3 | 7 809 |
| 1993 FX ₃₆ | * 1993 03 19.32187 | 12 57 28.31 | -01 31 23.2 | 17.3 | 7 809 | 1993 FP ₃₇ | 1993 03 20.31424 | 13 05 32.22 | -04 29 40.4 | 17.5 | 7 809 |
| 1993 FX ₃₆ | 1993 03 20.31424 | 12 56 44.54 | -01 25 36.6 | 17.5 | 7 809 | 1993 FP ₃₇ | 1993 03 24.28090 | 13 02 49.94 | -04 13 39.5 | 17.9 | 7 809 |
| 1993 FX ₃₆ | 1993 03 24.19965 | 12 53 46.38 | -01 02 45.7 | 18.5 | 7 809 | 1993 FQ ₃₇ | * 1993 03 19.32187 | 13 07 06.30 | -05 30 13.6 | 19.0 | 7 809 |
| 1993 FY ₃₆ | * 1993 03 19.32187 | 12 57 29.27 | -02 22 23.3 | 17.3 | 7 809 | 1993 FQ ₃₇ | 1993 03 20.31424 | 13 06 26.31 | -05 26 21.9 | 18.4 | 7 809 |
| 1993 FY ₃₆ | 1993 03 20.31424 | 12 56 43.92 | -02 17 33.5 | 17.5 | 7 809 | 1993 FQ ₃₇ | 1993 03 24.28090 | 13 03 37.31 | -05 10 11.0 | 17.9 | 7 809 |
| 1993 FY ₃₆ | 1993 03 24.19965 | 12 53 36.56 | -01 58 03.0 | 16.8 | 7 809 | 1993 FR ₃₇ | * 1993 03 19.32187 | 13 07 07.28 | -05 28 37.6 | 19.8 | 7 809 |
| 1993 FZ ₃₆ | * 1993 03 19.32187 | 12 57 40.86 | -03 37 29.4 | 16.4 | 7 809 | 1993 FR ₃₇ | 1993 03 20.31424 | 13 06 27.49 | -05 22 34.0 | 19.2 | 7 809 |
| 1993 FZ ₃₆ | 1993 03 20.31424 | 12 56 47.11 | -03 32 43.0 | 16.7 | 7 809 | 1993 FR ₃₇ | 1993 03 24.28090 | 13 03 37.27 | -04 57 11.9 | 17.9 | 7 809 |
| 1993 FZ ₃₆ | 1993 03 24.19965 | 12 53 09.96 | -03 13 35.0 | 17.6 | 7 809 | 1993 FS ₃₇ | * 1993 03 19.32187 | 13 07 18.06 | -05 00 31.9 | 19.8 | 7 809 |
| 1993 FA ₃₇ | * 1993 03 19.32187 | 12 57 43.90 | -01 50 12.6 | 17.3 | 7 809 | 1993 FS ₃₇ | 1993 03 20.31424 | 13 06 38.81 | -04 55 31.6 | 18.4 | 7 809 |
| 1993 FA ₃₇ | 1993 03 20.31424 | 12 56 58.14 | -01 44 05.6 | 16.7 | 7 809 | 1993 FS ₃₇ | 1993 03 24.28090 | 13 03 54.70 | -04 34 55.7 | 18.7 | 7 809 |
| 1993 FA ₃₇ | 1993 03 24.19965 | 12 53 53.41 | -01 19 53.3 | 17.6 | 7 809 | 1993 FT ₃₇ | * 1993 03 19.32187 | 13 09 26.54 | -05 12 21.6 | 15.6 | 7 809 |
| 1993 FB ₃₇ | * 1993 03 19.32187 | 12 58 31.03 | -05 18 09.4 | 19.8 | 7 809 | 1993 FT ₃₇ | 1993 03 20.31424 | 13 08 49.13 | -05 07 12.6 | 16.7 | 7 809 |
| 1993 FB ₃₇ | 1993 03 20.31424 | 12 57 52.91 | -05 13 49.1 | 20.1 | 7 809 | 1993 FT ₃₇ | 1993 03 24.28090 | 13 06 11.39 | -04 45 56.3 | 16.2 | 7 809 |
| 1993 FB ₃₇ | 1993 03 24.28090 | 12 55 15.74 | -04 56 00.6 | 19.6 | 7 809 | 1993 FU ₃₇ | * 1993 03 19.32187 | 13 10 43.97 | -04 58 39.5 | 17.3 | 7 809 |
| 1993 FC ₃₇ | * 1993 03 19.32187 | 12 59 11.15 | -04 27 00.4 | 17.3 | 7 809 | 1993 FU ₃₇ | 1993 03 20.31424 | 13 09 53.72 | -04 56 04.2 | 17.5 | 7 809 |
| 1993 FC ₃₇ | 1993 03 20.31424 | 12 58 30.70 | -04 18 37.2 | 17.5 | 7 809 | 1993 FU ₃₇ | 1993 03 24.28090 | 13 06 20.57 | -04 44 55.2 | 17.0 | 7 809 |
| 1993 FC ₃₇ | 1993 03 24.28090 | 12 55 39.00 | -03 44 02.2 | 17.9 | 7 809 | 1993 FV ₃₇ | * 1993 03 19.32187 | 13 12 04.91 | -05 20 08.1 | 17.3 | 7 809 |
| 1993 FD ₃₇ | * 1993 03 19.32187 | 12 59 22.40 | -04 55 22.7 | 17.3 | 7 809 | 1993 FV ₃₇ | 1993 03 20.31424 | 13 11 12.60 | -05 16 33.4 | 18.4 | 7 809 |
| 1993 FD ₃₇ | 1993 03 20.31424 | 12 58 36.40 | -04 49 02.1 | 17.5 | 7 809 | 1993 FV ₃₇ | 1993 03 24.28090 | 13 07 33.49 | -05 01 29.7 | 17.9 | 7 809 |
| 1993 FD ₃₇ | 1993 03 24.28090 | 12 55 24.97 | -04 22 58.0 | 17.9 | 7 809 | 1993 FW ₃₇ | * 1993 03 19.32187 | 13 12 39.62 | -05 18 22.9 | 16.4 | 7 809 |
| 1993 FE ₃₇ | * 1993 03 19.32187 | 13 02 34.08 | -05 04 14.3 | 19.8 | 7 809 | 1993 FW ₃₇ | 1993 03 20.31424 | 13 12 05.90 | -05 07 49.5 | 17.5 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FW ₃₇ | 1993 03 24.28090 | 13 09 41.14 | -04 24 26.6 | 17.0 | 7 809 | 1993 FO ₃₈ | 1993 03 24.19965 | 12 39 27.10 | -00 34 16.6 | 18.5 | 7 809 |
| 1993 FX ₃₇ | * 1993 03 19.32187 | 13 12 46.82 | -05 15 40.8 | 16.4 | 7 809 | 1993 FP ₃₈ | * 1993 03 19.21875 | 12 44 42.40 | -00 40 59.1 | 18.7 | 7 809 |
| 1993 FX ₃₇ | 1993 03 20.31424 | 13 12 03.78 | -05 11 45.7 | 17.5 | 7 809 | 1993 FP ₃₈ | 1993 03 20.23368 | 12 43 43.45 | -00 36 51.0 | 19.0 | 7 809 |
| 1993 FX ₃₇ | 1993 03 24.28090 | 13 09 02.92 | -04 55 23.7 | 17.0 | 7 809 | 1993 FP ₃₈ | 1993 03 24.19965 | 12 39 47.43 | -00 20 30.7 | 19.3 | 7 809 |
| 1993 FY ₃₇ | * 1993 03 19.32187 | 13 14 05.04 | -05 16 09.8 | 17.3 | 7 809 | 1993 FQ ₃₈ | * 1993 03 19.21875 | 12 45 02.84 | -01 14 00.0 | 17.0 | 7 809 |
| 1993 FY ₃₇ | 1993 03 20.31424 | 13 13 17.90 | -05 09 34.6 | 18.4 | 7 809 | 1993 FQ ₃₈ | 1993 03 20.23368 | 12 44 14.72 | -01 06 53.5 | 18.1 | 7 809 |
| 1993 FY ₃₇ | 1993 03 24.28090 | 13 10 00.44 | -04 42 25.6 | 17.9 | 7 809 | 1993 FQ ₃₈ | 1993 03 24.19965 | 12 41 00.44 | -00 38 49.2 | 17.6 | 7 809 |
| 1993 FZ ₃₇ | * 1993 03 19.32187 | 13 14 41.28 | -05 08 23.3 | 18.1 | 7 809 | 1993 FR ₃₈ | * 1993 03 19.21875 | 12 45 03.49 | -00 24 51.2 | 17.9 | 7 809 |
| 1993 FZ ₃₇ | 1993 03 20.31424 | 13 14 02.09 | -05 02 25.8 | 20.1 | 7 809 | 1993 FR ₃₈ | 1993 03 20.23368 | 12 44 06.50 | -00 25 11.4 | 18.1 | 7 809 |
| 1993 FZ ₃₇ | 1993 03 24.28090 | 13 11 16.58 | -04 37 51.8 | 18.7 | 7 809 | 1993 FR ₃₈ | 1993 03 24.19965 | 12 40 19.27 | -00 26 32.5 | 17.6 | 7 809 |
| 1993 FA ₃₈ | * 1993 03 19.32187 | 13 14 54.11 | -04 56 30.0 | 18.1 | 7 809 | 1993 FS ₃₈ | * 1993 03 19.21875 | 12 45 40.39 | -01 00 11.7 | 17.9 | 7 809 |
| 1993 FA ₃₈ | 1993 03 20.31424 | 13 14 02.82 | -04 57 39.0 | 18.4 | 7 809 | 1993 FS ₃₈ | 1993 03 20.23368 | 12 44 57.16 | -00 56 37.8 | 17.3 | 7 809 |
| 1993 FA ₃₈ | 1993 03 24.28090 | 13 10 25.57 | -05 01 44.0 | 20.4 | 7 809 | 1993 FS ₃₈ | 1993 03 24.19965 | 12 42 04.69 | -00 42 37.3 | 17.6 | 7 809 |
| 1993 FB ₃₈ | * 1993 03 21.21493 | 12 43 10.33 | -05 55 04.1 | 18.7 | 7 809 | 1993 FT ₃₈ | * 1993 03 19.21875 | 12 45 54.97 | -01 12 38.5 | 17.9 | 7 809 |
| 1993 FB ₃₈ | 1993 03 22.20660 | 12 42 25.31 | -05 46 21.7 | 18.3 | 7 809 | 1993 FT ₃₈ | 1993 03 20.23368 | 12 45 04.03 | -01 05 09.3 | 18.1 | 7 809 |
| 1993 FB ₃₈ | 1993 03 24.19965 | 12 40 53.00 | -05 28 30.3 | 17.6 | 7 809 | 1993 FT ₃₈ | 1993 03 24.19965 | 12 41 39.08 | -00 35 36.1 | 18.5 | 7 809 |
| 1993 FC ₃₈ | * 1993 03 21.21493 | 12 52 01.65 | -05 36 34.9 | 17.9 | 7 809 | 1993 FU ₃₈ | * 1993 03 19.21875 | 12 46 36.67 | -01 24 39.9 | 17.0 | 7 809 |
| 1993 FC ₃₈ | 1993 03 22.20660 | 12 51 20.51 | -05 32 29.7 | 17.5 | 7 809 | 1993 FU ₃₈ | 1993 03 20.23368 | 12 45 55.81 | -01 20 10.3 | 17.3 | 7 809 |
| 1993 FC ₃₈ | 1993 03 24.19965 | 12 49 56.04 | -05 24 01.9 | 16.8 | 7 809 | 1993 FU ₃₈ | 1993 03 24.19965 | 12 43 12.27 | -01 02 25.6 | 16.8 | 7 809 |
| 1993 FD ₃₈ | * 1993 03 21.30174 | 12 56 32.00 | -05 37 42.1 | 18.6 | 7 809 | 1993 FV ₃₈ | * 1993 03 19.21875 | 12 47 12.99 | -00 33 52.3 | 17.9 | 7 809 |
| 1993 FD ₃₈ | 1993 03 22.29549 | 12 55 41.27 | -05 34 20.4 | 17.9 | 7 809 | 1993 FV ₃₈ | 1993 03 20.23368 | 12 46 19.98 | -00 29 34.2 | 17.3 | 7 809 |
| 1993 FD ₃₈ | 1993 03 24.19965 | 12 54 01.95 | -05 27 36.0 | 17.6 | 7 809 | 1993 FV ₃₈ | 1993 03 23.20451 | 12 43 41.67 | -00 16 55.7 | 17.0 | 7 809 |
| 1993 FE ₃₈ | * 1993 03 19.21875 | 12 37 35.03 | -00 50 34.0 | 17.9 | 7 809 | 1993 FV ₃₈ | 1993 03 24.19965 | 12 42 47.86 | -00 12 41.6 | 17.6 | 7 809 |
| 1993 FE ₃₈ | 1993 03 20.23368 | 12 36 48.29 | -00 42 39.7 | 18.1 | 7 809 | 1993 FW ₃₈ | * 1993 03 19.21875 | 12 49 33.49 | -00 54 09.5 | 20.4 | 7 809 |
| 1993 FE ₃₈ | 1993 03 24.19965 | 12 33 39.24 | -00 11 22.9 | 18.5 | 7 809 | 1993 FW ₃₈ | 1993 03 20.23368 | 12 48 54.72 | -00 45 48.4 | 19.8 | 7 809 |
| 1993 FF ₃₈ | * 1993 03 19.21875 | 12 38 04.50 | -00 52 55.4 | 17.9 | 7 809 | 1993 FW ₃₈ | 1993 03 24.19965 | 12 46 18.59 | -00 12 47.3 | 20.2 | 7 809 |
| 1993 FF ₃₈ | 1993 03 20.23368 | 12 37 07.45 | -00 45 47.1 | 18.1 | 7 809 | 1993 FX ₃₈ | * 1993 03 19.21875 | 12 49 38.57 | -01 19 01.4 | 18.7 | 7 809 |
| 1993 FF ₃₈ | 1993 03 24.11771 | 12 33 21.91 | -00 18 00.5 | 17.9 | 7 809 | 1993 FX ₃₈ | 1993 03 20.23368 | 12 48 52.48 | -01 11 57.9 | 19.0 | 7 809 |
| 1993 FF ₃₈ | 1993 03 24.19965 | 12 33 17.28 | -00 17 24.9 | 18.5 | 7 809 | 1993 FX ₃₈ | 1993 03 24.19965 | 12 45 43.16 | -00 43 42.2 | 18.5 | 7 809 |
| 1993 FG ₃₈ | * 1993 03 19.21875 | 12 41 05.05 | -00 46 29.0 | 17.9 | 7 809 | 1993 FY ₃₈ | * 1993 03 19.21875 | 12 50 19.18 | -01 28 48.4 | 18.7 | 7 809 |
| 1993 FG ₃₈ | 1993 03 20.23368 | 12 40 24.62 | -00 39 56.7 | 18.1 | 7 809 | 1993 FY ₃₈ | 1993 03 20.23368 | 12 49 26.72 | -01 22 15.5 | 19.0 | 7 809 |
| 1993 FG ₃₈ | 1993 03 24.19965 | 12 37 43.34 | -00 14 15.9 | 17.6 | 7 809 | 1993 FY ₃₈ | 1993 03 24.19965 | 12 45 52.82 | -00 56 03.1 | 19.3 | 7 809 |
| 1993 FH ₃₈ | * 1993 03 19.21875 | 12 41 06.82 | -01 11 06.5 | 17.0 | 7 809 | 1993 FZ ₃₈ | * 1993 03 19.21875 | 12 50 27.10 | -00 41 25.1 | 17.0 | 7 809 |
| 1993 FH ₃₈ | 1993 03 20.23368 | 12 40 15.38 | -01 04 24.4 | 17.3 | 7 809 | 1993 FZ ₃₈ | 1993 03 20.23368 | 12 49 41.54 | -00 37 37.1 | 17.3 | 7 809 |
| 1993 FH ₃₈ | 1993 03 24.19965 | 12 36 48.64 | -00 37 49.7 | 17.6 | 7 809 | 1993 FZ ₃₈ | 1993 03 24.19965 | 12 46 38.29 | -00 22 37.0 | 17.6 | 7 809 |
| 1993 FJ ₃₈ | * 1993 03 19.21875 | 12 41 33.18 | -01 08 26.4 | 17.0 | 7 809 | 1993 FA ₃₉ | * 1993 03 19.21875 | 12 50 47.89 | -01 30 08.9 | 17.9 | 7 809 |
| 1993 FJ ₃₈ | 1993 03 20.23368 | 12 40 53.90 | -01 01 04.0 | 17.3 | 7 809 | 1993 FA ₃₉ | 1993 03 20.23368 | 12 49 52.34 | -01 27 28.4 | 18.1 | 7 809 |
| 1993 FJ ₃₈ | 1993 03 24.19965 | 12 38 16.68 | -00 32 04.7 | 17.6 | 7 809 | 1993 FA ₃₉ | 1993 03 24.19965 | 12 46 06.21 | -01 16 45.3 | 17.6 | 7 809 |
| 1993 FK ₃₈ | * 1993 03 19.21875 | 12 43 19.69 | -00 46 48.2 | 17.0 | 7 809 | 1993 FB ₃₉ | * 1993 03 19.21875 | 12 51 12.58 | -01 19 36.8 | 17.9 | 7 809 |
| 1993 FK ₃₈ | 1993 03 20.23368 | 12 42 38.89 | -00 41 00.1 | 17.3 | 7 809 | 1993 FB ₃₉ | 1993 03 20.23368 | 12 50 21.33 | -01 12 55.2 | 19.0 | 7 809 |
| 1993 FK ₃₈ | 1993 03 24.19965 | 12 39 55.14 | -00 18 07.9 | 16.8 | 7 809 | 1993 FB ₃₉ | 1993 03 24.19965 | 12 46 55.86 | -00 46 34.9 | 19.3 | 7 809 |
| 1993 FL ₃₈ | * 1993 03 19.21875 | 12 43 26.42 | -00 55 19.3 | 18.7 | 7 809 | 1993 FC ₃₉ | * 1993 03 19.21875 | 12 51 24.48 | -00 58 40.1 | 17.0 | 7 809 |
| 1993 FL ₃₈ | 1993 03 20.23368 | 12 42 30.45 | -00 50 28.3 | 19.8 | 7 809 | 1993 FC ₃₉ | 1993 03 20.23368 | 12 50 46.95 | -00 49 40.9 | 17.3 | 7 809 |
| 1993 FL ₃₈ | 1993 03 24.19965 | 12 38 46.05 | -00 31 26.0 | 18.5 | 7 809 | 1993 FC ₃₉ | 1993 03 24.19965 | 12 48 16.04 | -00 14 22.0 | 17.6 | 7 809 |
| 1993 FM ₃₈ | * 1993 03 19.21875 | 12 43 27.09 | -01 23 42.2 | 19.6 | 7 809 | 1993 FD ₃₉ | * 1993 03 19.21875 | 12 51 57.10 | -00 56 24.8 | 17.9 | 7 809 |
| 1993 FM ₃₈ | 1993 03 20.23368 | 12 42 39.88 | -01 16 44.9 | 19.0 | 7 809 | 1993 FD ₃₉ | 1993 03 20.23368 | 12 51 03.98 | -00 53 57.8 | 19.0 | 7 809 |
| 1993 FM ₃₈ | 1993 03 24.19965 | 12 39 30.94 | -00 49 12.4 | 19.3 | 7 809 | 1993 FD ₃₉ | 1993 03 24.19965 | 12 47 31.51 | -00 44 19.1 | 19.3 | 7 809 |
| 1993 FN ₃₈ | * 1993 03 19.21875 | 12 43 35.04 | -00 43 40.7 | 17.0 | 7 809 | 1993 FE ₃₉ | * 1993 03 19.21875 | 12 52 33.25 | -01 19 44.1 | 18.7 | 7 809 |
| 1993 FN ₃₈ | 1993 03 20.23368 | 12 42 49.32 | -00 37 17.4 | 17.3 | 7 809 | 1993 FE ₃₉ | 1993 03 20.23368 | 12 51 48.67 | -01 15 13.8 | 19.8 | 7 809 |
| 1993 FN ₃₈ | 1993 03 24.19965 | 12 39 46.48 | -00 12 11.4 | 17.6 | 7 809 | 1993 FE ₃₉ | 1993 03 24.19965 | 12 48 50.70 | -00 57 26.5 | 19.3 | 7 809 |
| 1993 FO ₃₈ | * 1993 03 19.21875 | 12 43 43.46 | -01 00 20.0 | 18.7 | 7 809 | 1993 FF ₃₉ | * 1993 03 19.21875 | 12 53 00.34 | -00 47 36.7 | 17.9 | 7 809 |
| 1993 FO ₃₈ | 1993 03 20.23368 | 12 42 52.25 | -00 55 03.5 | 18.1 | 7 809 | 1993 FF ₃₉ | 1993 03 20.23368 | 12 52 03.63 | -00 41 54.6 | 19.0 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FF ₃₉ | 1993 03 24.19965 | 12 48 16.49 | -00 19 49.0 | 18.5 | 7 809 | 1993 FX ₃₉ | * 1993 03 19.21875 | 12 39 48.09 | -02 04 11.1 | 17.0 | 7 809 |
| 1993 FG ₃₉ | * 1993 03 19.21875 | 12 53 29.26 | -01 15 41.8 | 17.0 | 7 809 | 1993 FX ₃₉ | 1993 03 20.23368 | 12 38 57.06 | -01 57 16.5 | 17.3 | 7 809 |
| 1993 FG ₃₉ | 1993 03 20.23368 | 12 52 45.11 | -01 07 33.7 | 17.3 | 7 809 | 1993 FX ₃₉ | 1993 03 24.19965 | 12 35 30.28 | -01 29 35.0 | 17.6 | 7 809 |
| 1993 FG ₃₉ | 1993 03 24.19965 | 12 49 44.21 | -00 35 23.4 | 17.6 | 7 809 | 1993 FY ₃₉ | * 1993 03 19.21875 | 12 40 04.54 | -03 34 34.1 | 17.9 | 7 809 |
| 1993 FH ₃₉ | * 1993 03 19.21875 | 12 53 45.93 | -00 56 41.2 | 19.6 | 7 809 | 1993 FY ₃₉ | 1993 03 20.23368 | 12 39 20.86 | -03 27 59.9 | 19.0 | 7 809 |
| 1993 FH ₃₉ | 1993 03 20.23368 | 12 53 02.95 | -00 51 05.6 | 19.0 | 7 809 | 1993 FY ₃₉ | 1993 03 24.19965 | 12 36 27.21 | -03 02 04.7 | 18.5 | 7 809 |
| 1993 FH ₃₉ | 1993 03 24.19965 | 12 50 08.23 | -00 29 12.4 | 18.5 | 7 809 | 1993 FZ ₃₉ | * 1993 03 19.21875 | 12 40 28.13 | -02 04 57.0 | 17.9 | 7 809 |
| 1993 FJ ₃₉ | * 1993 03 19.21875 | 12 54 02.37 | -01 01 53.5 | 17.0 | 7 809 | 1993 FZ ₃₉ | 1993 03 20.23368 | 12 39 47.69 | -01 58 01.6 | 18.1 | 7 809 |
| 1993 FJ ₃₉ | 1993 03 20.23368 | 12 53 23.15 | -00 53 48.6 | 18.1 | 7 809 | 1993 FZ ₃₉ | 1993 03 24.19965 | 12 37 05.86 | -01 30 36.3 | 17.6 | 7 809 |
| 1993 FJ ₃₉ | 1993 03 24.19965 | 12 50 43.63 | -00 22 05.1 | 18.5 | 7 809 | 1993 FA ₄₀ | * 1993 03 19.21875 | 12 41 11.53 | -02 32 00.3 | 17.0 | 7 809 |
| 1993 FK ₃₉ | * 1993 03 19.21875 | 12 54 22.94 | -01 22 42.1 | 17.9 | 7 809 | 1993 FA ₄₀ | 1993 03 20.23368 | 12 40 16.02 | -02 27 47.1 | 16.4 | 7 809 |
| 1993 FK ₃₉ | 1993 03 19.32187 | 12 54 18.48 | -01 22 02.2 | 19.8 | 7 809 | 1993 FA ₄₀ | 1993 03 24.19965 | 12 36 34.18 | -02 10 58.0 | 16.8 | 7 809 |
| 1993 FK ₃₉ | 1993 03 20.23368 | 12 53 36.77 | -01 16 11.6 | 19.0 | 7 809 | 1993 FB ₄₀ | * 1993 03 19.21875 | 12 41 21.90 | -01 56 19.4 | 17.9 | 7 809 |
| 1993 FK ₃₉ | 1993 03 24.19965 | 12 50 30.56 | -00 50 43.1 | 19.3 | 7 809 | 1993 FB ₄₀ | 1993 03 20.23368 | 12 40 38.25 | -01 51 34.6 | 18.1 | 7 809 |
| 1993 FL ₃₉ | * 1993 03 19.32187 | 12 54 57.95 | -03 23 07.2 | 16.4 | 7 809 | 1993 FB ₄₀ | 1993 03 24.19965 | 12 37 43.99 | -01 32 45.8 | 17.6 | 7 809 |
| 1993 FL ₃₉ | 1993 03 20.23368 | 12 54 11.45 | -03 19 01.1 | 17.3 | 7 809 | 1993 FC ₄₀ | * 1993 03 19.21875 | 12 41 33.69 | -01 55 11.3 | 17.9 | 7 809 |
| 1993 FL ₃₉ | 1993 03 20.31424 | 12 54 06.84 | -03 18 34.5 | 17.5 | 7 809 | 1993 FC ₄₀ | 1993 03 20.23368 | 12 40 42.63 | -01 49 17.2 | 17.3 | 7 809 |
| 1993 FL ₃₉ | 1993 03 24.19965 | 12 50 36.96 | -03 00 00.1 | 17.6 | 7 809 | 1993 FC ₄₀ | 1993 03 24.19965 | 12 37 16.31 | -01 25 47.6 | 17.6 | 7 809 |
| 1993 FM ₃₉ | * 1993 03 19.32187 | 12 55 40.18 | -05 10 35.8 | 17.3 | 7 809 | 1993 FD ₄₀ | * 1993 03 19.21875 | 12 41 48.56 | -02 36 29.2 | 20.4 | 7 809 |
| 1993 FM ₃₉ | 1993 03 20.31424 | 12 54 43.00 | -05 07 35.0 | 18.4 | 7 809 | 1993 FD ₄₀ | 1993 03 20.23368 | 12 41 01.71 | -02 27 06.8 | 19.8 | 7 809 |
| 1993 FM ₃₉ | 1993 03 24.19965 | 12 50 51.19 | -04 55 10.1 | 18.5 | 7 809 | 1993 FD ₄₀ | 1993 03 24.19965 | 12 37 51.83 | -01 49 46.0 | 18.5 | 7 809 |
| 1993 FN ₃₉ | * 1993 03 19.32187 | 12 55 48.13 | -05 12 59.4 | 16.4 | 7 809 | 1993 FE ₄₀ | * 1993 03 19.21875 | 12 42 24.90 | -02 05 39.9 | 17.9 | 7 809 |
| 1993 FN ₃₉ | 1993 03 20.31424 | 12 54 54.25 | -05 14 07.9 | 17.5 | 7 809 | 1993 FE ₄₀ | 1993 03 20.23368 | 12 41 34.52 | -02 01 02.2 | 18.1 | 7 809 |
| 1993 FN ₃₉ | 1993 03 24.19965 | 12 51 16.27 | -05 18 12.2 | 17.6 | 7 809 | 1993 FE ₄₀ | 1993 03 24.19965 | 12 38 12.98 | -01 42 37.9 | 17.6 | 7 809 |
| 1993 FO ₃₉ | * 1993 03 19.32187 | 12 55 57.83 | -04 39 20.6 | 18.1 | 7 809 | 1993 FF ₄₀ | * 1993 03 19.21875 | 12 43 04.15 | -01 40 26.8 | 17.9 | 7 809 |
| 1993 FO ₃₉ | 1993 03 20.31424 | 12 55 06.57 | -04 32 19.7 | 18.4 | 7 809 | 1993 FF ₄₀ | 1993 03 20.23368 | 12 42 23.76 | -01 32 46.2 | 18.1 | 7 809 |
| 1993 FO ₃₉ | 1993 03 24.19965 | 12 51 38.61 | -04 04 08.4 | 18.5 | 7 809 | 1993 FF ₄₀ | 1993 03 24.19965 | 12 39 42.07 | -01 02 28.6 | 17.6 | 7 809 |
| 1993 FP ₃₉ | * 1993 03 19.32187 | 12 56 08.32 | -04 06 38.7 | 18.1 | 7 809 | 1993 FG ₄₀ | * 1993 03 19.21875 | 12 44 45.11 | -01 39 13.6 | 19.6 | 7 809 |
| 1993 FP ₃₉ | 1993 03 20.31424 | 12 55 18.27 | -04 02 45.5 | 19.2 | 7 809 | 1993 FG ₄₀ | 1993 03 20.23368 | 12 43 56.28 | -01 34 13.7 | 19.8 | 7 809 |
| 1993 FP ₃₉ | 1993 03 24.19965 | 12 51 52.86 | -03 46 45.1 | 18.5 | 7 809 | 1993 FG ₄₀ | 1993 03 24.19965 | 12 40 39.10 | -01 14 14.4 | 19.3 | 7 809 |
| 1993 FQ ₃₉ | * 1993 03 19.32187 | 12 56 29.32 | -04 35 41.3 | 18.1 | 7 809 | 1993 FH ₄₀ | * 1993 03 19.21875 | 12 45 47.50 | -02 13 58.7 | 17.9 | 7 809 |
| 1993 FQ ₃₉ | 1993 03 20.31424 | 12 55 46.64 | -04 31 38.1 | 18.4 | 7 809 | 1993 FH ₄₀ | 1993 03 20.23368 | 12 44 47.16 | -02 09 40.7 | 18.1 | 7 809 |
| 1993 FQ ₃₉ | 1993 03 24.19965 | 12 52 54.44 | -04 15 23.3 | 18.5 | 7 809 | 1993 FH ₄₀ | 1993 03 24.19965 | 12 40 43.79 | -01 52 26.9 | 18.5 | 7 809 |
| 1993 FR ₃₉ | * 1993 03 19.32187 | 12 56 50.35 | -03 53 48.8 | 19.0 | 7 809 | 1993 FJ ₄₀ | * 1993 03 19.21875 | 12 45 48.11 | -01 56 17.7 | 17.0 | 7 809 |
| 1993 FR ₃₉ | 1993 03 20.31424 | 12 55 58.94 | -03 48 11.9 | 19.2 | 7 809 | 1993 FJ ₄₀ | 1993 03 20.23368 | 12 44 58.39 | -01 47 13.3 | 17.3 | 7 809 |
| 1993 FR ₃₉ | 1993 03 24.19965 | 12 52 28.18 | -03 25 26.3 | 17.6 | 7 809 | 1993 FJ ₄₀ | 1993 03 24.19965 | 12 41 37.27 | -01 11 17.2 | 17.6 | 7 809 |
| 1993 FS ₃₉ | * 1993 03 19.32187 | 12 57 11.42 | -05 10 23.2 | 16.4 | 7 809 | 1993 FK ₄₀ | * 1993 03 19.21875 | 12 45 53.41 | -02 09 57.1 | 17.9 | 7 809 |
| 1993 FS ₃₉ | 1993 03 20.31424 | 12 56 30.41 | -05 05 29.9 | 17.5 | 7 809 | 1993 FK ₄₀ | 1993 03 20.23368 | 12 45 15.67 | -01 58 35.9 | 19.0 | 7 809 |
| 1993 FS ₃₉ | 1993 03 24.19965 | 12 53 44.12 | -04 45 47.4 | 17.6 | 7 809 | 1993 FK ₄₀ | 1993 03 24.19965 | 12 42 41.48 | -01 13 19.3 | 19.3 | 7 809 |
| 1993 FT ₃₉ | * 1993 03 19.21875 | 12 38 03.10 | -02 15 17.4 | 17.9 | 7 809 | 1993 FL ₄₀ | * 1993 03 19.21875 | 12 46 36.77 | -02 19 05.5 | 17.0 | 7 809 |
| 1993 FT ₃₉ | 1993 03 20.23368 | 12 37 06.04 | -02 12 02.1 | 18.1 | 7 809 | 1993 FL ₄₀ | 1993 03 20.23368 | 12 45 53.10 | -02 13 59.3 | 19.0 | 7 809 |
| 1993 FT ₃₉ | 1993 03 24.11771 | 12 33 22.53 | -01 59 17.1 | 17.9 | 7 809 | 1993 FL ₄₀ | 1993 03 24.19965 | 12 42 58.58 | -01 53 45.7 | 17.6 | 7 809 |
| 1993 FT ₃₉ | 1993 03 24.19965 | 12 33 17.67 | -01 59 00.6 | 17.6 | 7 809 | 1993 FM ₄₀ | * 1993 03 19.21875 | 12 47 22.89 | -02 16 51.8 | 18.7 | 7 809 |
| 1993 FU ₃₉ | * 1993 03 19.21875 | 12 38 22.63 | -02 58 26.9 | 17.0 | 7 809 | 1993 FM ₄₀ | 1993 03 20.23368 | 12 46 40.79 | -02 11 39.3 | 19.0 | 7 809 |
| 1993 FU ₃₉ | 1993 03 20.23368 | 12 37 39.59 | -02 53 51.8 | 16.4 | 7 809 | 1993 FM ₄₀ | 1993 03 24.19965 | 12 43 50.96 | -01 50 47.9 | 19.3 | 7 809 |
| 1993 FU ₃₉ | 1993 03 24.19965 | 12 34 46.85 | -02 35 32.4 | 16.8 | 7 809 | 1993 FN ₄₀ | * 1993 03 19.21875 | 12 47 27.74 | -02 13 20.4 | 17.0 | 7 809 |
| 1993 FV ₃₉ | * 1993 03 19.21875 | 12 38 40.16 | -02 16 58.3 | 17.0 | 7 809 | 1993 FN ₄₀ | 1993 03 20.23368 | 12 46 42.82 | -02 08 56.2 | 16.4 | 7 809 |
| 1993 FV ₃₉ | 1993 03 20.23368 | 12 37 48.29 | -02 12 08.5 | 17.3 | 7 809 | 1993 FN ₄₀ | 1993 03 24.19965 | 12 43 42.38 | -01 51 21.1 | 16.8 | 7 809 |
| 1993 FV ₃₉ | 1993 03 24.19965 | 12 34 18.48 | -01 52 41.9 | 16.8 | 7 809 | 1993 FO ₄₀ | * 1993 03 19.21875 | 12 47 30.65 | -02 04 21.9 | 17.9 | 7 809 |
| 1993 FW ₃₉ | * 1993 03 19.21875 | 12 39 08.63 | -01 59 39.0 | 17.9 | 7 809 | 1993 FO ₄₀ | 1993 03 20.23368 | 12 46 32.60 | -01 58 26.9 | 18.1 | 7 809 |
| 1993 FW ₃₉ | 1993 03 20.23368 | 12 38 08.80 | -01 54 07.9 | 17.3 | 7 809 | 1993 FO ₄₀ | 1993 03 24.19965 | 12 42 38.73 | -01 34 53.3 | 17.6 | 7 809 |
| 1993 FW ₃₉ | 1993 03 24.19965 | 12 34 07.91 | -01 32 06.9 | 17.6 | 7 809 | 1993 FP ₄₀ | * 1993 03 19.21875 | 12 47 33.86 | -01 52 03.6 | 17.9 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FP ₄₀ | 1993 03 20.23368 | 12 46 37.85 | -01 47 01.5 | 18.1 | 7 809 | 1993 FG ₄₁ | 1993 03 24.19965 | 12 48 34.97 | -02 12 01.2 | 17.6 | 7 809 |
| 1993 FP ₄₀ | 1993 03 24.19965 | 12 42 53.30 | -01 27 07.3 | 18.5 | 7 809 | 1993 FH ₄₁ | * 1993 03 19.21875 | 12 53 50.68 | -02 47 17.9 | 17.0 | 7 809 |
| 1993 FQ ₄₀ | * 1993 03 19.21875 | 12 48 20.08 | -02 20 42.1 | 17.9 | 7 809 | 1993 FH ₄₁ | 1993 03 20.23368 | 12 53 01.70 | -02 43 23.8 | 17.3 | 7 809 |
| 1993 FQ ₄₀ | 1993 03 20.23368 | 12 47 39.94 | -02 16 20.8 | 19.0 | 7 809 | 1993 FH ₄₁ | 1993 03 24.19965 | 12 49 41.09 | -02 27 37.2 | 16.8 | 7 809 |
| 1993 FQ ₄₀ | 1993 03 24.19965 | 12 44 59.54 | -01 59 10.5 | 19.3 | 7 809 | 1993 FJ ₄₁ | * 1993 03 19.21875 | 12 53 55.13 | -01 37 10.5 | 17.9 | 7 809 |
| 1993 FR ₄₀ | * 1993 03 19.21875 | 12 48 27.77 | -01 53 31.7 | 17.9 | 7 809 | 1993 FJ ₄₁ | 1993 03 20.23368 | 12 53 12.25 | -01 32 31.3 | 18.1 | 7 809 |
| 1993 FR ₄₀ | 1993 03 20.23368 | 12 47 46.92 | -01 46 16.1 | 18.1 | 7 809 | 1993 FJ ₄₁ | 1993 03 24.19965 | 12 50 18.07 | -01 13 57.7 | 17.6 | 7 809 |
| 1993 FR ₄₀ | 1993 03 24.19965 | 12 45 03.56 | -01 17 36.5 | 18.5 | 7 809 | 1993 FK ₄₁ | * 1993 03 19.21875 | 12 53 59.86 | -02 10 53.4 | 17.9 | 7 809 |
| 1993 FS ₄₀ | * 1993 03 19.21875 | 12 49 01.19 | -01 44 55.6 | 17.9 | 7 809 | 1993 FK ₄₁ | 1993 03 20.23368 | 12 53 11.54 | -02 02 52.0 | 18.1 | 7 809 |
| 1993 FS ₄₀ | 1993 03 20.23368 | 12 48 03.78 | -01 40 11.0 | 18.1 | 7 809 | 1993 FK ₄₁ | 1993 03 24.19965 | 12 49 53.59 | -01 30 53.2 | 18.5 | 7 809 |
| 1993 FS ₄₀ | 1993 03 24.19965 | 12 44 14.51 | -01 21 25.2 | 18.5 | 7 809 | 1993 FL ₄₁ | * 1993 03 19.21875 | 12 54 07.47 | -01 51 05.3 | 17.9 | 7 809 |
| 1993 FT ₄₀ | * 1993 03 19.21875 | 12 49 19.44 | -03 33 28.3 | 18.7 | 7 809 | 1993 FL ₄₁ | 1993 03 19.32187 | 12 54 02.54 | -01 50 17.0 | 19.8 | 7 809 |
| 1993 FT ₄₀ | 1993 03 20.23368 | 12 48 38.88 | -03 27 59.7 | 19.8 | 7 809 | 1993 FL ₄₁ | 1993 03 20.23368 | 12 53 18.52 | -01 43 08.1 | 18.1 | 7 809 |
| 1993 FT ₄₀ | 1993 03 24.19965 | 12 45 55.83 | -03 06 09.1 | 19.3 | 7 809 | 1993 FL ₄₁ | 1993 03 24.19965 | 12 49 58.55 | -01 11 38.4 | 18.5 | 7 809 |
| 1993 FU ₄₀ | * 1993 03 19.21875 | 12 49 34.71 | -02 27 15.6 | 18.7 | 7 809 | 1993 FM ₄₁ | * 1993 03 19.21875 | 12 54 14.96 | -02 27 19.6 | 17.0 | 7 809 |
| 1993 FU ₄₀ | 1993 03 20.23368 | 12 48 41.96 | -02 22 39.5 | 19.0 | 7 809 | 1993 FM ₄₁ | 1993 03 19.32187 | 12 54 09.35 | -02 27 19.5 | 17.3 | 7 809 |
| 1993 FU ₄₀ | 1993 03 24.19965 | 12 45 05.46 | -02 03 49.8 | 19.3 | 7 809 | 1993 FM ₄₁ | 1993 03 20.23368 | 12 53 19.83 | -02 27 35.1 | 17.3 | 7 809 |
| 1993 FV ₄₀ | * 1993 03 19.21875 | 12 49 46.77 | -02 55 47.0 | 17.9 | 7 809 | 1993 FM ₄₁ | 1993 03 24.19965 | 12 49 38.42 | -02 28 24.8 | 17.6 | 7 809 |
| 1993 FV ₄₀ | 1993 03 20.23368 | 12 48 59.60 | -02 45 28.7 | 18.1 | 7 809 | 1993 FN ₄₁ | * 1993 03 19.21875 | 12 37 51.55 | -04 47 10.0 | 17.0 | 7 809 |
| 1993 FV ₄₀ | 1993 03 24.19965 | 12 45 45.98 | -02 04 01.1 | 16.8 | 7 809 | 1993 FN ₄₁ | 1993 03 20.23368 | 12 37 08.57 | -04 42 11.1 | 17.3 | 7 809 |
| 1993 FW ₄₀ | * 1993 03 19.21875 | 12 50 17.27 | -02 04 29.3 | 17.9 | 7 809 | 1993 FN ₄₁ | 1993 03 24.19965 | 12 34 17.20 | -04 22 17.5 | 17.6 | 7 809 |
| 1993 FW ₄₀ | 1993 03 20.23368 | 12 49 36.42 | -01 59 54.6 | 17.3 | 7 809 | 1993 FO ₄₁ | * 1993 03 19.21875 | 12 37 58.66 | -04 11 52.9 | 17.0 | 7 809 |
| 1993 FW ₄₀ | 1993 03 24.19965 | 12 46 51.69 | -01 41 42.7 | 17.6 | 7 809 | 1993 FO ₄₁ | 1993 03 20.23368 | 12 37 05.24 | -04 09 22.7 | 17.3 | 7 809 |
| 1993 FX ₄₀ | * 1993 03 19.21875 | 12 50 24.73 | -03 12 05.8 | 17.9 | 7 809 | 1993 FO ₄₁ | 1993 03 24.19965 | 12 33 32.88 | -03 59 12.1 | 17.6 | 7 809 |
| 1993 FX ₄₀ | 1993 03 20.23368 | 12 49 44.82 | -03 01 12.4 | 18.1 | 7 809 | 1993 FP ₄₁ | * 1993 03 19.21875 | 12 38 10.56 | -04 48 56.2 | 17.0 | 7 809 |
| 1993 FX ₄₀ | 1993 03 24.19965 | 12 47 01.96 | -02 17 50.3 | 17.6 | 7 809 | 1993 FP ₄₁ | 1993 03 20.23368 | 12 37 20.41 | -04 45 45.3 | 17.3 | 7 809 |
| 1993 FY ₄₀ | * 1993 03 19.21875 | 12 51 11.58 | -01 56 16.3 | 17.9 | 7 809 | 1993 FP ₄₁ | 1993 03 24.19965 | 12 33 56.25 | -04 32 30.1 | 17.6 | 7 809 |
| 1993 FY ₄₀ | 1993 03 20.23368 | 12 50 23.42 | -01 52 14.3 | 18.1 | 7 809 | 1993 FQ ₄₁ | * 1993 03 19.21875 | 12 38 25.55 | -04 50 57.1 | 19.6 | 7 809 |
| 1993 FY ₄₀ | 1993 03 24.19965 | 12 47 10.57 | -01 36 17.1 | 18.5 | 7 809 | 1993 FQ ₄₁ | 1993 03 20.23368 | 12 37 37.73 | -04 47 14.4 | 19.0 | 7 809 |
| 1993 FZ ₄₀ | * 1993 03 19.21875 | 12 51 16.52 | -01 45 46.5 | 17.9 | 7 809 | 1993 FQ ₄₁ | 1993 03 24.19965 | 12 34 25.73 | -04 32 06.7 | 19.3 | 7 809 |
| 1993 FZ ₄₀ | 1993 03 20.23368 | 12 50 20.84 | -01 40 35.9 | 17.3 | 7 809 | 1993 FR ₄₁ | * 1993 03 19.21875 | 12 39 03.47 | -03 45 51.7 | 18.7 | 7 809 |
| 1993 FZ ₄₀ | 1993 03 24.19965 | 12 46 36.37 | -01 20 01.5 | 17.6 | 7 809 | 1993 FR ₄₁ | 1993 03 20.23368 | 12 38 19.33 | -03 40 45.6 | 17.3 | 7 809 |
| 1993 FA ₄₁ | * 1993 03 19.21875 | 12 51 41.06 | -03 40 48.7 | 18.7 | 7 809 | 1993 FR ₄₁ | 1993 03 24.19965 | 12 35 21.98 | -03 20 19.4 | 17.6 | 7 809 |
| 1993 FA ₄₁ | 1993 03 20.23368 | 12 50 49.05 | -03 33 06.6 | 19.0 | 7 809 | 1993 FS ₄₁ | * 1993 03 19.21875 | 12 39 08.25 | -03 18 46.4 | 19.6 | 7 809 |
| 1993 FA ₄₁ | 1993 03 24.19965 | 12 47 16.87 | -03 02 03.3 | 18.5 | 7 809 | 1993 FS ₄₁ | 1993 03 20.23368 | 12 38 22.62 | -03 12 21.8 | 19.0 | 7 809 |
| 1993 FB ₄₁ | * 1993 03 19.21875 | 12 51 43.66 | -01 37 08.4 | 17.9 | 7 809 | 1993 FS ₄₁ | 1993 03 24.19965 | 12 35 20.09 | -02 46 42.1 | 17.6 | 7 809 |
| 1993 FB ₄₁ | 1993 03 20.23368 | 12 51 02.18 | -01 32 41.7 | 18.1 | 7 809 | 1993 FT ₄₁ | * 1993 03 19.21875 | 12 39 16.84 | -04 27 21.9 | 17.0 | 7 809 |
| 1993 FB ₄₁ | 1993 03 24.19965 | 12 48 15.55 | -01 15 09.2 | 18.5 | 7 809 | 1993 FT ₄₁ | 1993 03 20.23368 | 12 38 29.22 | -04 22 55.2 | 16.4 | 7 809 |
| 1993 FC ₄₁ | * 1993 03 19.21875 | 12 52 19.88 | -03 18 58.3 | 17.9 | 7 809 | 1993 FT ₄₁ | 1993 03 24.19965 | 12 35 18.99 | -04 05 03.7 | 16.8 | 7 809 |
| 1993 FC ₄₁ | 1993 03 20.23368 | 12 51 43.29 | -03 07 44.3 | 18.1 | 7 809 | 1993 FU ₄₁ | * 1993 03 19.21875 | 12 39 19.90 | -04 19 44.6 | 17.0 | 7 809 |
| 1993 FC ₄₁ | 1993 03 24.19965 | 12 49 12.86 | -02 22 58.9 | 17.6 | 7 809 | 1993 FU ₄₁ | 1993 03 20.23368 | 12 38 26.73 | -04 12 06.8 | 17.3 | 7 809 |
| 1993 FD ₄₁ | * 1993 03 19.21875 | 12 52 54.43 | -02 49 53.6 | 18.7 | 7 809 | 1993 FU ₄₁ | 1993 03 24.19965 | 12 34 53.53 | -04 32 32.9 | 17.6 | 7 809 |
| 1993 FD ₄₁ | 1993 03 20.23368 | 12 52 02.36 | -02 40 56.3 | 19.0 | 7 809 | 1993 FV ₄₁ | * 1993 03 19.21875 | 12 39 29.60 | -04 42 25.0 | 17.9 | 7 809 |
| 1993 FD ₄₁ | 1993 03 24.19965 | 12 48 31.40 | -02 05 22.3 | 18.5 | 7 809 | 1993 FV ₄₁ | 1993 03 20.23368 | 12 38 48.21 | -04 36 52.1 | 18.1 | 7 809 |
| 1993 FE ₄₁ | * 1993 03 19.21875 | 12 52 55.03 | -01 59 30.4 | 17.9 | 7 809 | 1993 FV ₄₁ | 1993 03 24.19965 | 12 36 02.41 | -04 14 42.3 | 18.5 | 7 809 |
| 1993 FE ₄₁ | 1993 03 20.23368 | 12 52 12.92 | -01 55 24.5 | 18.1 | 7 809 | 1993 FW ₄₁ | * 1993 03 19.21875 | 12 39 59.50 | -04 22 06.4 | 17.9 | 7 809 |
| 1993 FE ₄₁ | 1993 03 24.19965 | 12 49 22.71 | -01 39 06.8 | 17.6 | 7 809 | 1993 FW ₄₁ | 1993 03 20.23368 | 12 39 03.24 | -04 17 54.2 | 18.1 | 7 809 |
| 1993 FF ₄₁ | * 1993 03 19.21875 | 12 53 02.41 | -01 37 13.9 | 17.9 | 7 809 | 1993 FW ₄₁ | 1993 03 24.19965 | 12 35 17.13 | -04 00 45.9 | 18.5 | 7 809 |
| 1993 FF ₄₁ | 1993 03 20.23368 | 12 52 23.91 | -01 28 40.6 | 19.0 | 7 809 | 1993 FX ₄₁ | * 1993 03 19.21875 | 12 40 42.06 | -04 23 13.7 | 18.7 | 7 809 |
| 1993 FF ₄₁ | 1993 03 24.19965 | 12 49 47.74 | -00 54 47.5 | 18.5 | 7 809 | 1993 FX ₄₁ | 1993 03 20.23368 | 12 40 00.10 | -04 13 00.4 | 19.0 | 7 809 |
| 1993 FG ₄₁ | * 1993 03 19.21875 | 12 53 23.90 | -02 36 32.1 | 17.9 | 7 809 | 1993 FX ₄₁ | 1993 03 24.19965 | 12 37 10.27 | -03 32 07.1 | 18.5 | 7 809 |
| 1993 FG ₄₁ | 1993 03 20.23368 | 12 52 26.35 | -02 31 37.6 | 17.3 | 7 809 | 1993 FY ₄₁ | * 1993 03 19.21875 | 12 41 43.76 | -03 55 07.6 | 17.9 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FY ₄₁ | 1993 03 20.23368 | 12 40 48.46 | -03 50 08.2 | 19.0 | 7 809 | 1993 FQ ₄₂ | 1993 03 24.19965 | 12 47 11.02 | -04 16 49.4 | 19.3 | 7 809 |
| 1993 FY ₄₁ | 1993 03 24.19965 | 12 37 07.46 | -03 30 03.8 | 17.6 | 7 809 | 1993 FR ₄₂ | * 1993 03 19.21875 | 12 50 37.10 | -04 04 57.0 | 17.9 | 7 809 |
| 1993 FZ ₄₁ | * 1993 03 19.21875 | 12 42 01.81 | -04 06 06.0 | 17.0 | 7 809 | 1993 FR ₄₂ | 1993 03 20.23368 | 12 49 49.82 | -04 00 43.4 | 18.1 | 7 809 |
| 1993 FZ ₄₁ | 1993 03 20.23368 | 12 40 58.20 | -04 06 47.7 | 17.3 | 7 809 | 1993 FR ₄₂ | 1993 03 24.19965 | 12 46 39.00 | -03 43 39.3 | 17.6 | 7 809 |
| 1993 FZ ₄₁ | 1993 03 24.19965 | 12 36 43.92 | -04 09 01.8 | 16.8 | 7 809 | 1993 FS ₄₂ | * 1993 03 19.21875 | 12 50 37.50 | -05 04 09.4 | 17.9 | 7 809 |
| 1993 FA ₄₂ | * 1993 03 19.21875 | 12 43 03.05 | -04 22 01.0 | 18.7 | 7 809 | 1993 FS ₄₂ | 1993 03 20.23368 | 12 49 48.89 | -04 59 04.2 | 18.1 | 7 809 |
| 1993 FA ₄₂ | 1993 03 20.23368 | 12 42 10.19 | -04 15 51.7 | 18.1 | 7 809 | 1993 FS ₄₂ | 1993 03 24.19965 | 12 46 29.74 | -04 38 10.4 | 17.6 | 7 809 |
| 1993 FA ₄₂ | 1993 03 24.19965 | 12 38 38.42 | -03 51 08.0 | 19.3 | 7 809 | 1993 FT ₄₂ | * 1993 03 19.21875 | 12 51 34.74 | -03 46 41.7 | 17.0 | 7 809 |
| 1993 FB ₄₂ | * 1993 03 19.21875 | 12 44 57.25 | -04 11 30.0 | 18.7 | 7 809 | 1993 FT ₄₂ | 1993 03 20.23368 | 12 50 39.27 | -03 42 02.8 | 17.3 | 7 809 |
| 1993 FB ₄₂ | 1993 03 20.23368 | 12 43 59.73 | -04 07 43.7 | 19.0 | 7 809 | 1993 FT ₄₂ | 1993 03 24.19965 | 12 46 55.74 | -03 23 18.3 | 17.6 | 7 809 |
| 1993 FB ₄₂ | 1993 03 24.19965 | 12 40 10.32 | -03 52 27.0 | 19.3 | 7 809 | 1993 FU ₄₂ | * 1993 03 19.21875 | 12 51 46.20 | -04 07 14.9 | 17.9 | 7 809 |
| 1993 FC ₄₂ | * 1993 03 19.21875 | 12 46 27.27 | -04 05 12.6 | 17.0 | 7 809 | 1993 FU ₄₂ | 1993 03 20.23368 | 12 51 00.13 | -03 59 06.4 | 17.3 | 7 809 |
| 1993 FC ₄₂ | 1993 03 20.23368 | 12 45 38.63 | -04 03 10.7 | 17.3 | 7 809 | 1993 FU ₄₂ | 1993 03 24.19965 | 12 47 52.26 | -03 26 27.3 | 17.6 | 7 809 |
| 1993 FC ₄₂ | 1993 03 24.19965 | 12 42 23.29 | -03 54 47.6 | 16.8 | 7 809 | 1993 FV ₄₂ | * 1993 03 19.21875 | 12 51 59.31 | -05 06 25.3 | 19.6 | 7 809 |
| 1993 FD ₄₂ | * 1993 03 19.21875 | 12 46 39.18 | -04 14 41.0 | 18.7 | 7 809 | 1993 FV ₄₂ | 1993 03 20.23368 | 12 51 22.00 | -04 58 17.4 | 19.0 | 7 809 |
| 1993 FD ₄₂ | 1993 03 20.23368 | 12 45 57.95 | -04 10 26.0 | 18.1 | 7 809 | 1993 FV ₄₂ | 1993 03 24.19965 | 12 48 50.18 | -04 25 46.3 | 19.3 | 7 809 |
| 1993 FD ₄₂ | 1993 03 24.19965 | 12 43 13.24 | -03 53 29.6 | 18.5 | 7 809 | 1993 FW ₄₂ | * 1993 03 19.21875 | 12 52 25.24 | -04 43 00.8 | 17.0 | 7 809 |
| 1993 FE ₄₂ | * 1993 03 19.21875 | 12 47 00.02 | -04 05 37.4 | 17.0 | 7 809 | 1993 FW ₄₂ | 1993 03 20.23368 | 12 51 33.24 | -04 39 31.8 | 16.4 | 7 809 |
| 1993 FE ₄₂ | 1993 03 20.23368 | 12 46 15.35 | -03 59 45.7 | 17.3 | 7 809 | 1993 FW ₄₂ | 1993 03 24.19965 | 12 48 01.50 | -04 25 06.8 | 16.8 | 7 809 |
| 1993 FE ₄₂ | 1993 03 24.19965 | 12 43 15.31 | -03 36 13.5 | 17.6 | 7 809 | 1993 FX ₄₂ | * 1993 03 19.21875 | 12 52 30.68 | -05 19 34.0 | 18.7 | 7 809 |
| 1993 FF ₄₂ | * 1993 03 19.21875 | 12 47 27.27 | -05 23 00.1 | 17.9 | 7 809 | 1993 FX ₄₂ | 1993 03 20.23368 | 12 51 51.67 | -05 11 56.3 | 18.1 | 7 809 |
| 1993 FF ₄₂ | 1993 03 20.23368 | 12 46 48.30 | -05 13 50.9 | 17.3 | 7 809 | 1993 FX ₄₂ | 1993 03 24.19965 | 12 49 13.94 | -04 41 26.8 | 17.6 | 7 809 |
| 1993 FF ₄₂ | 1993 03 24.19965 | 12 44 11.86 | -04 37 23.3 | 17.6 | 7 809 | 1993 FY ₄₂ | * 1993 03 19.21875 | 12 52 41.49 | -05 19 43.2 | 20.4 | 7 809 |
| 1993 FG ₄₂ | * 1993 03 19.21875 | 12 48 12.76 | -04 22 56.2 | 17.0 | 7 809 | 1993 FY ₄₂ | 1993 03 20.23368 | 12 51 57.98 | -05 13 05.3 | 18.1 | 7 809 |
| 1993 FG ₄₂ | 1993 03 20.23368 | 12 47 31.09 | -04 18 01.2 | 16.4 | 7 809 | 1993 FY ₄₂ | 1993 03 24.19965 | 12 49 02.53 | -04 46 31.9 | 18.5 | 7 809 |
| 1993 FG ₄₂ | 1993 03 24.19965 | 12 44 43.15 | -03 58 15.8 | 16.8 | 7 809 | 1993 FZ ₄₂ | * 1993 03 19.21875 | 12 53 30.57 | -04 30 28.8 | 19.6 | 7 809 |
| 1993 FH ₄₂ | * 1993 03 19.21875 | 12 48 34.19 | -05 28 02.6 | 17.0 | 7 809 | 1993 FZ ₄₂ | 1993 03 20.23368 | 12 52 48.40 | -04 25 47.1 | 18.1 | 7 809 |
| 1993 FH ₄₂ | 1993 03 20.23368 | 12 47 44.46 | -05 21 43.9 | 17.3 | 7 809 | 1993 FZ ₄₂ | 1993 03 24.19965 | 12 49 56.94 | -04 06 45.8 | 18.5 | 7 809 |
| 1993 FH ₄₂ | 1993 03 24.19965 | 12 44 23.23 | -04 56 04.8 | 16.8 | 7 809 | 1993 FA ₄₃ | * 1993 03 19.21875 | 12 53 41.21 | -05 04 28.0 | 17.9 | 7 809 |
| 1993 FJ ₄₂ | * 1993 03 19.21875 | 12 48 40.71 | -04 48 53.4 | 17.9 | 7 809 | 1993 FA ₄₃ | 1993 03 20.23368 | 12 52 56.57 | -05 00 20.3 | 17.3 | 7 809 |
| 1993 FJ ₄₂ | 1993 03 20.23368 | 12 47 51.81 | -04 46 47.1 | 18.1 | 7 809 | 1993 FA ₄₃ | 1993 03 24.19965 | 12 49 56.56 | -04 43 37.8 | 17.6 | 7 809 |
| 1993 FJ ₄₂ | 1993 03 24.19965 | 12 44 35.41 | -04 38 06.1 | 18.5 | 7 809 | 1993 FB ₄₃ | * 1993 03 19.21875 | 12 53 43.74 | -04 55 30.3 | 17.9 | 7 809 |
| 1993 FK ₄₂ | * 1993 03 19.21875 | 12 48 48.84 | -04 54 48.5 | 20.4 | 7 809 | 1993 FB ₄₃ | 1993 03 20.23368 | 12 52 57.33 | -04 53 24.3 | 18.1 | 7 809 |
| 1993 FK ₄₂ | 1993 03 20.23368 | 12 48 03.80 | -04 49 19.6 | 19.8 | 7 809 | 1993 FB ₄₃ | 1993 03 24.19965 | 12 49 50.36 | -04 44 44.6 | 17.6 | 7 809 |
| 1993 FK ₄₂ | 1993 03 24.19965 | 12 45 02.91 | -04 27 17.5 | 19.3 | 7 809 | 1993 FC ₄₃ | * 1993 03 19.21875 | 12 34 06.43 | -03 12 02.1 | 17.9 | 7 809 |
| 1993 FL ₄₂ | * 1993 03 19.21875 | 12 49 12.25 | -03 49 58.9 | 18.7 | 7 809 | 1993 FC ₄₃ | 1993 03 20.15382 | 12 33 14.70 | -03 05 25.4 | 17.9 | 7 809 |
| 1993 FL ₄₂ | 1993 03 20.23368 | 12 48 34.27 | -03 41 31.0 | 19.0 | 7 809 | 1993 FC ₄₃ | 1993 03 20.23368 | 12 33 10.28 | -03 04 51.2 | 18.1 | 7 809 |
| 1993 FL ₄₂ | 1993 03 24.19965 | 12 46 00.54 | -03 07 43.0 | 18.5 | 7 809 | 1993 FC ₄₃ | 1993 03 24.11771 | 12 29 30.04 | -02 36 48.2 | 17.9 | 7 809 |
| 1993 FM ₄₂ | * 1993 03 19.21875 | 12 49 27.04 | -03 58 26.4 | 17.9 | 7 809 | 1993 FD ₄₃ | * 1993 03 19.21875 | 12 34 07.27 | -01 08 49.2 | 19.6 | 7 809 |
| 1993 FM ₄₂ | 1993 03 20.23368 | 12 48 30.55 | -03 53 39.5 | 18.1 | 7 809 | 1993 FD ₄₃ | 1993 03 20.23368 | 12 33 18.85 | -01 02 29.6 | 19.0 | 7 809 |
| 1993 FM ₄₂ | 1993 03 24.19965 | 12 44 44.18 | -03 34 33.1 | 18.5 | 7 809 | 1993 FD ₄₃ | 1993 03 24.11771 | 12 30 09.09 | -00 37 56.1 | 18.7 | 7 809 |
| 1993 FN ₄₂ | * 1993 03 19.21875 | 12 49 27.05 | -04 20 44.4 | 17.9 | 7 809 | 1993 FE ₄₃ | * 1993 03 19.21875 | 12 34 18.45 | -01 00 07.3 | 18.7 | 7 809 |
| 1993 FN ₄₂ | 1993 03 20.23368 | 12 48 41.49 | -04 17 59.1 | 17.3 | 7 809 | 1993 FE ₄₃ | 1993 03 20.23368 | 12 33 32.19 | -00 54 10.3 | 18.1 | 7 809 |
| 1993 FN ₄₂ | 1993 03 24.19965 | 12 45 37.51 | -04 06 43.1 | 17.6 | 7 809 | 1993 FE ₄₃ | 1993 03 24.11771 | 12 30 31.83 | -00 31 09.9 | 18.7 | 7 809 |
| 1993 FO ₄₂ | * 1993 03 19.21875 | 12 49 29.98 | -04 00 22.9 | 17.0 | 7 809 | 1993 FF ₄₃ | * 1993 03 19.21875 | 12 34 22.51 | -01 30 09.6 | 18.7 | 7 809 |
| 1993 FO ₄₂ | 1993 03 20.23368 | 12 48 47.90 | -03 56 15.5 | 16.4 | 7 809 | 1993 FF ₄₃ | 1993 03 20.23368 | 12 33 40.21 | -01 21 12.6 | 19.0 | 7 809 |
| 1993 FO ₄₂ | 1993 03 24.19965 | 12 45 57.41 | -03 39 35.2 | 16.8 | 7 809 | 1993 FF ₄₃ | 1993 03 24.11771 | 12 30 54.13 | -00 46 33.1 | 18.7 | 7 809 |
| 1993 FP ₄₂ | * 1993 03 19.21875 | 12 50 11.33 | -04 46 24.3 | 18.7 | 7 809 | 1993 FG ₄₃ | * 1993 03 19.21875 | 12 34 28.21 | -01 45 46.7 | 17.9 | 7 809 |
| 1993 FP ₄₂ | 1993 03 20.23368 | 12 49 19.75 | -04 38 03.7 | 19.0 | 7 809 | 1993 FG ₄₃ | 1993 03 20.23368 | 12 33 43.63 | -01 39 37.8 | 19.0 | 7 809 |
| 1993 FP ₄₂ | 1993 03 24.19965 | 12 45 51.63 | -04 04 36.9 | 18.5 | 7 809 | 1993 FG ₄₃ | 1993 03 24.11771 | 12 30 49.87 | -01 15 56.9 | 17.9 | 7 809 |
| 1993 FQ ₄₂ | * 1993 03 19.21875 | 12 50 22.09 | -04 51 17.8 | 18.7 | 7 809 | 1993 FH ₄₃ | * 1993 03 19.21875 | 12 34 30.65 | -03 04 19.0 | 17.9 | 7 809 |
| 1993 FQ ₄₂ | 1993 03 20.23368 | 12 49 44.18 | -04 44 24.4 | 19.0 | 7 809 | 1993 FH ₄₃ | 1993 03 20.23368 | 12 33 34.47 | -02 58 23.0 | 17.3 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FH ₄₃ | 1993 03 24.11771 | 12 29 52.28 | -02 35 01.0 | 17.0 | 7 809 | 1993 FZ ₄₃ | 1993 03 24.19965 | 12 34 26.92 | -04 09 36.8 | 17.6 | 7 809 |
| 1993 FJ ₄₃ | * 1993 03 19.21875 | 12 34 43.34 | -01 49 35.2 | 17.9 | 7 809 | 1993 FA ₄₄ | * 1993 03 19.21875 | 12 38 43.61 | -05 23 58.8 | 19.6 | 7 809 |
| 1993 FJ ₄₃ | 1993 03 20.23368 | 12 33 55.75 | -01 41 04.1 | 18.1 | 7 809 | 1993 FA ₄₄ | 1993 03 20.23368 | 12 37 52.48 | -05 16 29.2 | 19.0 | 7 809 |
| 1993 FJ ₄₃ | 1993 03 24.11771 | 12 30 47.53 | -01 07 54.4 | 17.9 | 7 809 | 1993 FA ₄₄ | 1993 03 24.19965 | 12 34 28.75 | -04 46 33.1 | 20.2 | 7 809 |
| 1993 FK ₄₃ | * 1993 03 19.21875 | 12 34 57.77 | -01 56 56.5 | 17.9 | 7 809 | 1993 FB ₄₄ | * 1993 03 19.21875 | 12 39 59.40 | -05 23 11.2 | 17.9 | 7 809 |
| 1993 FK ₄₃ | 1993 03 20.23368 | 12 34 03.91 | -01 48 48.5 | 19.0 | 7 809 | 1993 FB ₄₄ | 1993 03 20.23368 | 12 39 13.87 | -05 18 01.4 | 17.3 | 7 809 |
| 1993 FK ₄₃ | 1993 03 24.11771 | 12 30 29.78 | -01 16 55.6 | 17.9 | 7 809 | 1993 FB ₄₄ | 1993 03 24.19965 | 12 36 11.76 | -04 57 14.3 | 17.6 | 7 809 |
| 1993 FL ₄₃ | * 1993 03 19.21875 | 12 35 29.41 | -03 03 42.4 | 19.6 | 7 809 | 1993 FC ₄₄ | * 1993 03 19.21875 | 12 40 14.46 | -05 12 08.1 | 18.7 | 7 809 |
| 1993 FL ₄₃ | 1993 03 20.23368 | 12 34 41.67 | -02 56 45.9 | 18.1 | 7 809 | 1993 FC ₄₄ | 1993 03 20.23368 | 12 39 34.00 | -05 02 07.5 | 18.1 | 7 809 |
| 1993 FL ₄₃ | 1993 03 24.11771 | 12 31 35.41 | -02 29 55.0 | 17.9 | 7 809 | 1993 FC ₄₄ | 1993 03 24.19965 | 12 36 50.51 | -04 21 59.5 | 18.5 | 7 809 |
| 1993 FM ₄₃ | * 1993 03 19.21875 | 12 35 31.71 | -03 05 06.0 | 17.9 | 7 809 | 1993 FD ₄₄ | * 1993 03 19.21875 | 12 41 14.01 | -05 02 41.6 | 17.9 | 7 809 |
| 1993 FM ₄₃ | 1993 03 20.23368 | 12 34 42.17 | -03 00 38.1 | 18.1 | 7 809 | 1993 FD ₄₄ | 1993 03 20.23368 | 12 40 18.31 | -04 58 19.4 | 17.3 | 7 809 |
| 1993 FM ₄₃ | 1993 03 24.11771 | 12 31 28.33 | -02 43 12.1 | 17.9 | 7 809 | 1993 FD ₄₄ | 1993 03 24.19965 | 12 36 33.05 | -04 40 21.7 | 17.6 | 7 809 |
| 1993 FN ₄₃ | * 1993 03 19.21875 | 12 35 37.49 | -01 24 56.8 | 18.7 | 7 809 | 1993 FE ₄₄ | * 1993 03 19.21875 | 12 41 24.97 | -05 24 35.5 | 18.7 | 7 809 |
| 1993 FN ₄₃ | 1993 03 20.23368 | 12 34 49.23 | -01 17 55.7 | 19.0 | 7 809 | 1993 FE ₄₄ | 1993 03 20.23368 | 12 40 45.73 | -05 17 45.3 | 17.3 | 7 809 |
| 1993 FN ₄₃ | 1993 03 24.11771 | 12 31 39.57 | -00 50 38.2 | 18.7 | 7 809 | 1993 FE ₄₄ | 1993 03 24.19965 | 12 38 07.94 | -04 50 15.9 | 18.5 | 7 809 |
| 1993 FO ₄₃ | * 1993 03 19.21875 | 12 35 37.64 | -01 24 39.3 | 18.7 | 7 809 | 1993 FF ₄₄ | * 1993 03 19.21875 | 12 41 25.51 | -04 56 35.9 | 17.9 | 7 809 |
| 1993 FO ₄₃ | 1993 03 20.23368 | 12 34 52.48 | -01 20 14.3 | 18.1 | 7 809 | 1993 FF ₄₄ | 1993 03 20.23368 | 12 40 33.82 | -04 53 42.2 | 18.1 | 7 809 |
| 1993 FO ₄₃ | 1993 03 24.11771 | 12 31 56.24 | -01 03 11.8 | 18.7 | 7 809 | 1993 FF ₄₄ | 1993 03 24.19965 | 12 37 05.56 | -04 41 40.2 | 17.6 | 7 809 |
| 1993 FP ₄₃ | * 1993 03 19.21875 | 12 35 49.22 | -02 42 05.2 | 17.9 | 7 809 | 1993 FG ₄₄ | * 1993 03 19.21875 | 12 41 27.27 | -05 19 13.5 | 17.0 | 7 809 |
| 1993 FP ₄₃ | 1993 03 20.23368 | 12 35 03.50 | -02 37 10.8 | 18.1 | 7 809 | 1993 FG ₄₄ | 1993 03 20.23368 | 12 40 35.02 | -05 09 56.8 | 16.4 | 7 809 |
| 1993 FP ₄₃ | 1993 03 24.11771 | 12 32 04.44 | -02 18 05.1 | 17.9 | 7 809 | 1993 FG ₄₄ | 1993 03 24.19965 | 12 37 05.53 | -04 32 50.3 | 16.8 | 7 809 |
| 1993 FQ ₄₃ | * 1993 03 19.21875 | 12 35 49.28 | -03 00 13.1 | 17.9 | 7 809 | 1993 FH ₄₄ | * 1993 03 19.21875 | 12 41 33.65 | -05 14 19.2 | 19.6 | 7 809 |
| 1993 FQ ₄₃ | 1993 03 20.23368 | 12 34 55.25 | -02 55 29.4 | 18.1 | 7 809 | 1993 FH ₄₄ | 1993 03 20.23368 | 12 40 36.86 | -05 08 54.7 | 18.1 | 7 809 |
| 1993 FQ ₄₃ | 1993 03 24.11771 | 12 31 24.89 | -02 37 05.7 | 17.9 | 7 809 | 1993 FH ₄₄ | 1993 03 24.19965 | 12 36 50.40 | -04 47 10.2 | 19.3 | 7 809 |
| 1993 FR ₄₃ | * 1993 03 19.21875 | 12 36 06.22 | -00 45 54.8 | 18.7 | 7 809 | 1993 FJ ₄₄ | * 1993 03 19.21875 | 12 43 11.90 | -04 58 57.5 | 18.7 | 7 809 |
| 1993 FR ₄₃ | 1993 03 20.23368 | 12 35 09.04 | -00 41 17.0 | 19.0 | 7 809 | 1993 FJ ₄₄ | 1993 03 20.23368 | 12 42 26.88 | -04 55 56.4 | 19.8 | 7 809 |
| 1993 FR ₄₃ | 1993 03 24.11771 | 12 31 27.93 | -00 23 34.5 | 18.7 | 7 809 | 1993 FJ ₄₄ | 1993 03 24.19965 | 12 39 26.85 | -04 43 44.5 | 18.5 | 7 809 |
| 1993 FS ₄₃ | * 1993 03 19.21875 | 12 36 11.02 | -01 10 45.8 | 17.9 | 7 809 | 1993 FK ₄₄ | * 1993 03 19.21875 | 12 44 38.65 | -05 00 51.2 | 18.7 | 7 809 |
| 1993 FS ₄₃ | 1993 03 20.23368 | 12 35 19.21 | -01 08 39.4 | 18.1 | 7 809 | 1993 FK ₄₄ | 1993 03 20.23368 | 12 43 48.13 | -04 52 57.3 | 19.0 | 7 809 |
| 1993 FS ₄₃ | 1993 03 24.11771 | 12 31 57.29 | -01 00 26.3 | 17.9 | 7 809 | 1993 FK ₄₄ | 1993 03 24.19965 | 12 40 22.14 | -04 20 49.9 | 18.5 | 7 809 |
| 1993 FT ₄₃ | * 1993 03 19.21875 | 12 36 11.29 | -01 51 11.1 | 20.4 | 7 809 | 1993 FL ₄₄ | * 1993 03 19.21875 | 12 44 59.66 | -05 22 09.2 | 18.7 | 7 809 |
| 1993 FT ₄₃ | 1993 03 20.23368 | 12 35 25.30 | -01 44 46.5 | 19.0 | 7 809 | 1993 FL ₄₄ | 1993 03 20.23368 | 12 44 08.98 | -05 18 30.0 | 19.0 | 7 809 |
| 1993 FT ₄₃ | 1993 03 24.11771 | 12 32 25.30 | -01 19 58.2 | 18.7 | 7 809 | 1993 FL ₄₄ | 1993 03 24.19965 | 12 40 43.44 | -05 03 21.1 | 19.3 | 7 809 |
| 1993 FU ₄₃ | * 1993 03 19.21875 | 12 36 19.11 | -02 22 40.2 | 18.7 | 7 809 | 1993 FM ₄₄ | * 1993 03 19.21875 | 12 45 17.62 | -05 16 59.1 | 18.7 | 7 809 |
| 1993 FU ₄₃ | 1993 03 20.23368 | 12 35 35.17 | -02 18 11.5 | 18.1 | 7 809 | 1993 FM ₄₄ | 1993 03 20.23368 | 12 44 33.39 | -05 09 52.7 | 18.1 | 7 809 |
| 1993 FU ₄₃ | 1993 03 24.11771 | 12 32 43.98 | -02 00 54.0 | 18.7 | 7 809 | 1993 FM ₄₄ | 1993 03 24.19965 | 12 41 33.94 | -04 41 05.7 | 18.5 | 7 809 |
| 1993 FV ₄₃ | * 1993 03 19.21875 | 12 36 57.29 | -02 32 29.6 | 18.7 | 7 809 | 1993 FN ₄₄ | * 1993 03 19.21875 | 12 45 59.60 | -05 25 04.1 | 18.7 | 7 809 |
| 1993 FV ₄₃ | 1993 03 20.23368 | 12 36 08.12 | -02 26 54.0 | 19.0 | 7 809 | 1993 FN ₄₄ | 1993 03 20.23368 | 12 45 06.15 | -05 18 39.0 | 18.1 | 7 809 |
| 1993 FV ₄₃ | 1993 03 24.11771 | 12 32 55.75 | -02 05 05.9 | 18.7 | 7 809 | 1993 FN ₄₄ | 1993 03 24.19965 | 12 41 32.09 | -04 52 48.1 | 18.5 | 7 809 |
| 1993 FW ₄₃ | * 1993 03 19.21875 | 12 37 19.33 | -00 42 17.2 | 18.7 | 7 809 | 1993 FO ₄₄ | * 1993 03 21.12743 | 12 18 22.93 | -05 42 59.9 | 18.6 | 7 809 |
| 1993 FW ₄₃ | 1993 03 20.23368 | 12 36 22.19 | -00 39 19.2 | 19.0 | 7 809 | 1993 FO ₄₄ | 1993 03 22.12465 | 12 17 29.60 | -05 38 03.0 | 18.7 | 7 809 |
| 1993 FW ₄₃ | 1993 03 24.11771 | 12 32 37.66 | -00 27 49.2 | 18.7 | 7 809 | 1993 FO ₄₄ | 1993 03 24.11771 | 12 15 42.00 | -05 27 53.1 | 18.7 | 7 809 |
| 1993 FX ₄₃ | * 1993 03 19.21875 | 12 37 28.53 | -05 22 15.5 | 17.0 | 7 809 | 1993 FP ₄₄ | * 1993 03 21.12743 | 12 19 42.17 | -05 48 00.1 | 17.0 | 7 809 |
| 1993 FX ₄₃ | 1993 03 20.23368 | 12 36 37.52 | -05 18 06.3 | 17.3 | 7 809 | 1993 FP ₄₄ | 1993 03 22.12465 | 12 18 48.51 | -05 40 17.4 | 17.9 | 7 809 |
| 1993 FX ₄₃ | 1993 03 24.11771 | 12 33 17.71 | -05 01 32.3 | 16.2 | 7 809 | 1993 FP ₄₄ | 1993 03 24.11771 | 12 17 00.07 | -05 24 29.2 | 17.0 | 7 809 |
| 1993 FX ₄₃ | 1993 03 24.19965 | 12 33 13.67 | -05 01 12.9 | 17.6 | 7 809 | 1993 FQ ₄₄ | * 1993 03 21.12743 | 12 20 31.65 | -05 43 38.8 | 17.8 | 7 809 |
| 1993 FY ₄₃ | * 1993 03 19.21875 | 12 38 19.61 | -05 05 53.7 | 17.9 | 7 809 | 1993 FQ ₄₄ | 1993 03 22.12465 | 12 19 49.10 | -05 36 23.4 | 17.9 | 7 809 |
| 1993 FY ₄₃ | 1993 03 20.23368 | 12 37 28.36 | -05 01 31.7 | 17.3 | 7 809 | 1993 FQ ₄₄ | 1993 03 24.11771 | 12 18 23.42 | -05 21 37.7 | 17.9 | 7 809 |
| 1993 FY ₄₃ | 1993 03 24.19965 | 12 34 02.10 | -04 43 45.6 | 17.6 | 7 809 | 1993 FR ₄₄ | * 1993 03 21.12743 | 12 20 34.09 | -05 42 39.6 | 16.1 | 7 809 |
| 1993 FZ ₄₃ | * 1993 03 19.21875 | 12 38 22.39 | -04 58 27.8 | 17.9 | 7 809 | 1993 FR ₄₄ | 1993 03 22.12465 | 12 19 47.21 | -05 38 55.8 | 16.2 | 7 809 |
| 1993 FZ ₄₃ | 1993 03 20.23368 | 12 37 35.78 | -04 48 45.5 | 18.1 | 7 809 | 1993 FR ₄₄ | 1993 03 24.11771 | 12 18 12.94 | -05 31 15.4 | 16.2 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FS ₄₄ | * 1993 03 21.12743 | 12 22 56.63 | -05 43 19.0 | 17.8 | 7 809 | 1993 FK ₄₅ | * 1993 03 19.15104 | 12 29 07.89 | -01 07 54.5 | 19.2 | 7 809 |
| 1993 FS ₄₄ | 1993 03 22.12465 | 12 21 56.00 | -05 40 36.5 | 17.0 | 7 809 | 1993 FK ₄₅ | 1993 03 20.15382 | 12 28 14.29 | -01 02 12.8 | 19.6 | 7 809 |
| 1993 FS ₄₄ | 1993 03 24.11771 | 12 19 52.91 | -05 34 54.6 | 17.0 | 7 809 | 1993 FK ₄₅ | 1993 03 24.11771 | 12 24 38.44 | -00 39 23.3 | 19.6 | 7 809 |
| 1993 FS ₄₄ | 1993 03 26.11354 | 12 17 48.68 | -05 29 01.8 | 17.2 | 7 809 | 1993 FL ₄₅ | * 1993 03 19.15104 | 12 29 10.39 | -00 48 48.6 | 17.5 | 7 809 |
| 1993 FT ₄₄ | * 1993 03 21.12743 | 12 29 20.13 | -05 38 47.3 | 19.5 | 7 809 | 1993 FL ₄₅ | 1993 03 20.15382 | 12 28 25.00 | -00 43 21.0 | 16.2 | 7 809 |
| 1993 FT ₄₄ | 1993 03 22.12465 | 12 28 23.33 | -05 36 08.4 | 18.7 | 7 809 | 1993 FL ₄₅ | 1993 03 24.11771 | 12 25 21.64 | -00 21 38.2 | 17.0 | 7 809 |
| 1993 FT ₄₄ | 1993 03 24.11771 | 12 26 28.62 | -05 30 38.1 | 18.7 | 7 809 | 1993 FM ₄₅ | * 1993 03 19.15104 | 12 29 15.64 | -00 59 00.0 | 18.4 | 7 809 |
| 1993 FU ₄₄ | * 1993 03 21.12743 | 12 30 07.60 | -05 43 41.7 | 18.6 | 7 809 | 1993 FM ₄₅ | 1993 03 20.15382 | 12 28 22.52 | -00 54 09.9 | 17.9 | 7 809 |
| 1993 FU ₄₄ | 1993 03 22.12465 | 12 29 24.28 | -05 39 52.8 | 18.7 | 7 809 | 1993 FM ₄₅ | 1993 03 24.11771 | 12 24 48.83 | -00 34 52.7 | 17.9 | 7 809 |
| 1993 FU ₄₄ | 1993 03 24.11771 | 12 27 56.53 | -05 31 59.6 | 17.9 | 7 809 | 1993 FN ₄₅ | * 1993 03 19.15104 | 12 30 48.14 | -01 36 29.1 | 17.5 | 7 809 |
| 1993 FV ₄₄ | * 1993 03 19.15104 | 12 17 46.89 | -00 56 28.6 | 17.5 | 7 809 | 1993 FN ₄₅ | 1993 03 20.15382 | 12 29 49.01 | -01 31 42.1 | 17.0 | 7 809 |
| 1993 FV ₄₄ | 1993 03 20.15382 | 12 17 04.51 | -00 52 01.4 | 17.9 | 7 809 | 1993 FN ₄₅ | 1993 03 24.11771 | 12 25 50.59 | -01 12 27.8 | 17.9 | 7 809 |
| 1993 FV ₄₄ | 1993 03 24.11771 | 12 14 15.55 | -00 34 20.3 | 17.9 | 7 809 | 1993 FO ₄₅ | * 1993 03 19.15104 | 12 31 00.31 | -01 37 14.1 | 18.4 | 7 809 |
| 1993 FW ₄₄ | * 1993 03 19.15104 | 12 19 36.87 | -00 58 04.1 | 18.4 | 7 809 | 1993 FO ₄₅ | 1993 03 20.15382 | 12 30 03.11 | -01 32 20.9 | 17.9 | 7 809 |
| 1993 FW ₄₄ | 1993 03 20.15382 | 12 18 51.11 | -00 52 29.7 | 18.7 | 7 809 | 1993 FO ₄₅ | 1993 03 24.11771 | 12 26 09.64 | -01 12 32.8 | 17.9 | 7 809 |
| 1993 FW ₄₄ | 1993 03 24.11771 | 12 15 48.50 | -00 30 20.1 | 18.7 | 7 809 | 1993 FP ₄₅ | * 1993 03 19.15104 | 12 31 37.08 | -00 58 17.6 | 19.2 | 7 809 |
| 1993 FX ₄₄ | * 1993 03 19.15104 | 12 23 19.54 | -01 13 35.9 | 18.4 | 7 809 | 1993 FP ₄₅ | 1993 03 20.15382 | 12 30 43.58 | -00 52 46.4 | 18.7 | 7 809 |
| 1993 FX ₄₄ | 1993 03 20.15382 | 12 22 28.73 | -01 03 42.3 | 18.7 | 7 809 | 1993 FP ₄₅ | 1993 03 24.11771 | 12 27 08.67 | -00 30 47.3 | 18.7 | 7 809 |
| 1993 FX ₄₄ | 1993 03 24.11771 | 12 19 03.97 | -00 24 13.6 | 17.9 | 7 809 | 1993 FQ ₄₅ | * 1993 03 19.15104 | 12 32 08.08 | -00 58 41.6 | 16.7 | 7 809 |
| 1993 FY ₄₄ | * 1993 03 19.15104 | 12 23 20.31 | -00 51 47.5 | 18.4 | 7 809 | 1993 FQ ₄₅ | 1993 03 20.15382 | 12 31 27.82 | -00 51 45.1 | 17.0 | 7 809 |
| 1993 FY ₄₄ | 1993 03 20.15382 | 12 22 36.67 | -00 46 34.9 | 18.7 | 7 809 | 1993 FQ ₄₅ | 1993 03 24.11771 | 12 28 45.42 | -00 24 07.6 | 17.0 | 7 809 |
| 1993 FY ₄₄ | 1993 03 24.11771 | 12 19 42.66 | -00 26 00.0 | 17.9 | 7 809 | 1993 FR ₄₅ | * 1993 03 19.15104 | 12 32 22.10 | -01 30 50.2 | 20.1 | 7 809 |
| 1993 FZ ₄₄ | * 1993 03 19.15104 | 12 24 26.08 | -00 59 03.5 | 16.7 | 7 809 | 1993 FR ₄₅ | 1993 03 20.15382 | 12 31 35.56 | -01 18 43.9 | 18.7 | 7 809 |
| 1993 FZ ₄₄ | 1993 03 20.15382 | 12 23 39.93 | -00 53 12.6 | 17.0 | 7 809 | 1993 FR ₄₅ | 1993 03 24.11771 | 12 28 28.32 | -00 30 40.1 | 18.7 | 7 809 |
| 1993 FZ ₄₄ | 1993 03 24.11771 | 12 20 35.24 | -00 30 03.9 | 17.0 | 7 809 | 1993 FS ₄₅ | * 1993 03 19.15104 | 12 32 26.37 | -01 13 33.9 | 18.4 | 7 809 |
| 1993 FA ₄₅ | * 1993 03 19.15104 | 12 25 27.15 | -01 36 44.8 | 17.5 | 7 809 | 1993 FS ₄₅ | 1993 03 20.15382 | 12 31 26.46 | -01 09 52.2 | 18.7 | 7 809 |
| 1993 FA ₄₅ | 1993 03 20.15382 | 12 24 26.41 | -01 32 37.9 | 17.0 | 7 809 | 1993 FS ₄₅ | 1993 03 24.11771 | 12 27 25.60 | -00 55 00.7 | 19.6 | 7 809 |
| 1993 FA ₄₅ | 1993 03 24.11771 | 12 20 19.02 | -01 15 52.8 | 17.9 | 7 809 | 1993 FT ₄₅ | * 1993 03 19.15104 | 12 32 28.23 | -01 17 30.0 | 19.2 | 7 809 |
| 1993 FB ₄₅ | * 1993 03 19.15104 | 12 26 00.24 | -00 42 36.1 | 18.4 | 7 809 | 1993 FT ₄₅ | 1993 03 20.15382 | 12 31 47.34 | -01 08 07.1 | 19.6 | 7 809 |
| 1993 FB ₄₅ | 1993 03 20.15382 | 12 25 05.05 | -00 38 13.9 | 17.0 | 7 809 | 1993 FT ₄₅ | 1993 03 24.11771 | 12 29 01.70 | -00 30 40.3 | 18.7 | 7 809 |
| 1993 FB ₄₅ | 1993 03 24.11771 | 12 21 22.82 | -00 20 52.4 | 17.9 | 7 809 | 1993 FU ₄₅ | * 1993 03 19.15104 | 12 32 44.35 | -01 30 10.8 | 18.4 | 7 809 |
| 1993 FC ₄₅ | * 1993 03 19.15104 | 12 26 00.99 | -01 09 19.9 | 18.4 | 7 809 | 1993 FU ₄₅ | 1993 03 20.15382 | 12 31 57.18 | -01 25 53.7 | 18.7 | 7 809 |
| 1993 FC ₄₅ | 1993 03 20.15382 | 12 25 10.66 | -01 02 42.8 | 18.7 | 7 809 | 1993 FU ₄₅ | 1993 03 24.11771 | 12 28 45.36 | -01 08 30.3 | 17.9 | 7 809 |
| 1993 FC ₄₅ | 1993 03 24.11771 | 12 21 48.40 | -00 36 20.1 | 18.7 | 7 809 | 1993 FV ₄₅ | * 1993 03 19.15104 | 12 32 44.78 | -01 09 27.6 | 18.4 | 7 809 |
| 1993 FD ₄₅ | * 1993 03 19.15104 | 12 26 02.47 | -00 48 32.2 | 19.2 | 7 809 | 1993 FV ₄₅ | 1993 03 20.15382 | 12 31 55.21 | -01 02 00.7 | 17.9 | 7 809 |
| 1993 FD ₄₅ | 1993 03 20.15382 | 12 25 16.49 | -00 44 01.3 | 18.7 | 7 809 | 1993 FV ₄₅ | 1993 03 24.11771 | 12 28 33.79 | -00 32 05.5 | 17.9 | 7 809 |
| 1993 FD ₄₅ | 1993 03 24.11771 | 12 22 12.40 | -00 26 02.3 | 18.7 | 7 809 | 1993 FW ₄₅ | * 1993 03 19.21875 | 12 34 09.45 | -04 43 48.7 | 18.7 | 7 809 |
| 1993 FE ₄₅ | * 1993 03 19.15104 | 12 26 07.17 | -01 32 03.5 | 18.4 | 7 809 | 1993 FW ₄₅ | 1993 03 20.15382 | 12 33 22.01 | -04 35 21.4 | 17.9 | 7 809 |
| 1993 FE ₄₅ | 1993 03 20.15382 | 12 25 14.92 | -01 27 46.3 | 19.6 | 7 809 | 1993 FW ₄₅ | 1993 03 20.23368 | 12 33 17.93 | -04 34 40.3 | 19.0 | 7 809 |
| 1993 FE ₄₅ | 1993 03 24.11771 | 12 21 44.99 | -01 10 34.2 | 18.7 | 7 809 | 1993 FW ₄₅ | 1993 03 24.11771 | 12 29 53.92 | -03 58 30.7 | 17.9 | 7 809 |
| 1993 FF ₄₅ | * 1993 03 19.15104 | 12 27 38.88 | -00 41 54.9 | 18.4 | 7 809 | 1993 FX ₄₅ | * 1993 03 19.21875 | 12 34 19.16 | -03 39 44.3 | 19.6 | 7 809 |
| 1993 FF ₄₅ | 1993 03 20.15382 | 12 26 45.47 | -00 38 03.3 | 17.9 | 7 809 | 1993 FX ₄₅ | 1993 03 20.23368 | 12 33 35.37 | -03 29 37.1 | 19.0 | 7 809 |
| 1993 FF ₄₅ | 1993 03 24.11771 | 12 23 09.16 | -00 22 39.3 | 17.9 | 7 809 | 1993 FX ₄₅ | 1993 03 24.11771 | 12 30 43.15 | -02 50 11.6 | 17.9 | 7 809 |
| 1993 FG ₄₅ | * 1993 03 19.15104 | 12 27 53.00 | -01 02 27.4 | 19.2 | 7 809 | 1993 FY ₄₅ | * 1993 03 19.21875 | 12 35 00.36 | -04 23 49.0 | 17.9 | 7 809 |
| 1993 FG ₄₅ | 1993 03 20.15382 | 12 27 00.90 | -00 58 49.1 | 19.6 | 7 809 | 1993 FY ₄₅ | 1993 03 20.23368 | 12 34 11.02 | -04 14 48.7 | 18.1 | 7 809 |
| 1993 FG ₄₅ | 1993 03 24.11771 | 12 23 31.67 | -00 44 18.6 | 19.6 | 7 809 | 1993 FY ₄₅ | 1993 03 24.11771 | 12 30 56.52 | -03 39 33.6 | 17.9 | 7 809 |
| 1993 FH ₄₅ | * 1993 03 19.15104 | 12 28 07.62 | -00 54 24.0 | 18.4 | 7 809 | 1993 FZ ₄₅ | * 1993 03 19.21875 | 12 35 06.06 | -04 33 09.8 | 19.6 | 7 809 |
| 1993 FH ₄₅ | 1993 03 20.15382 | 12 27 15.86 | -00 49 06.1 | 17.0 | 7 809 | 1993 FZ ₄₅ | 1993 03 20.23368 | 12 34 15.72 | -04 29 12.3 | 18.1 | 7 809 |
| 1993 FH ₄₅ | 1993 03 24.11771 | 12 23 45.18 | -00 27 50.0 | 17.9 | 7 809 | 1993 FZ ₄₅ | 1993 03 24.11771 | 12 30 59.11 | -04 13 21.3 | 18.7 | 7 809 |
| 1993 FJ ₄₅ | * 1993 03 19.15104 | 12 28 57.02 | -01 15 49.7 | 17.5 | 7 809 | 1993 FA ₄₆ | * 1993 03 19.21875 | 12 35 27.42 | -04 55 37.0 | 18.7 | 7 809 |
| 1993 FJ ₄₅ | 1993 03 20.15382 | 12 28 11.60 | -01 08 54.5 | 18.7 | 7 809 | 1993 FA ₄₆ | 1993 03 20.23368 | 12 34 39.86 | -04 49 52.0 | 18.1 | 7 809 |
| 1993 FJ ₄₅ | 1993 03 24.11771 | 12 25 07.82 | -00 41 11.3 | 17.9 | 7 809 | 1993 FA ₄₆ | 1993 03 24.11771 | 12 31 34.18 | -04 27 23.0 | 17.9 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|-------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FB ₄₆ | * 1993 03 19.21875 | 12 35 50.56 | -03 15 19.0 | 17.9 | 7 809 | 1993 FT ₄₆ | 1993 03 20.15382 | 12 19 34.57 | -01 57 17.8 | 17.9 | 7 809 |
| 1993 FB ₄₆ | 1993 03 20.23368 | 12 35 06.42 | -03 10 01.1 | 18.1 | 7 809 | 1993 FT ₄₆ | 1993 03 24.11771 | 12 16 02.98 | -01 28 45.6 | 17.9 | 7 809 |
| 1993 FB ₄₆ | 1993 03 24.11771 | 12 32 13.55 | -02 49 21.4 | 17.9 | 7 809 | 1993 FU ₄₆ | * 1993 03 19.15104 | 12 20 33.46 | -01 48 55.8 | 20.1 | 7 809 |
| 1993 FC ₄₆ | * 1993 03 19.21875 | 12 36 05.02 | -04 28 26.9 | 17.9 | 7 809 | 1993 FU ₄₆ | 1993 03 20.15382 | 12 19 47.61 | -01 43 23.0 | 19.6 | 7 809 |
| 1993 FC ₄₆ | 1993 03 20.23368 | 12 35 12.63 | -04 22 49.9 | 17.3 | 7 809 | 1993 FU ₄₆ | 1993 03 24.11771 | 12 16 44.27 | -01 21 16.6 | 19.6 | 7 809 |
| 1993 FC ₄₆ | 1993 03 24.11771 | 12 31 45.24 | -04 00 32.4 | 17.9 | 7 809 | 1993 FV ₄₆ | * 1993 03 19.15104 | 12 20 40.77 | -01 36 29.1 | 18.4 | 7 809 |
| 1993 FD ₄₆ | * 1993 03 19.21875 | 12 36 20.42 | -04 52 08.1 | 19.6 | 7 809 | 1993 FV ₄₆ | 1993 03 20.15382 | 12 19 57.93 | -01 29 02.3 | 18.7 | 7 809 |
| 1993 FD ₄₆ | 1993 03 20.23368 | 12 35 34.94 | -04 47 04.5 | 19.0 | 7 809 | 1993 FV ₄₆ | 1993 03 24.11771 | 12 17 06.72 | -00 59 27.5 | 18.7 | 7 809 |
| 1993 FD ₄₆ | 1993 03 24.11771 | 12 32 37.60 | -04 27 05.7 | 18.7 | 7 809 | 1993 FW ₄₆ | * 1993 03 19.15104 | 12 20 48.57 | -01 23 09.4 | 17.5 | 7 809 |
| 1993 FE ₄₆ | * 1993 03 19.21875 | 12 36 25.09 | -03 29 26.2 | 18.7 | 7 809 | 1993 FW ₄₆ | 1993 03 20.15382 | 12 19 54.63 | -01 18 07.7 | 16.2 | 7 809 |
| 1993 FE ₄₆ | 1993 03 20.23368 | 12 35 41.62 | -03 23 39.6 | 19.0 | 7 809 | 1993 FW ₄₆ | 1993 03 24.11771 | 12 16 17.20 | -00 57 56.6 | 17.0 | 7 809 |
| 1993 FE ₄₆ | 1993 03 24.11771 | 12 32 52.47 | -03 01 18.5 | 18.7 | 7 809 | 1993 FX ₄₆ | * 1993 03 19.15104 | 12 21 12.03 | -01 51 38.2 | 18.4 | 7 809 |
| 1993 FF ₄₆ | * 1993 03 19.21875 | 12 36 40.05 | -03 59 57.6 | 19.6 | 7 809 | 1993 FX ₄₆ | 1993 03 20.15382 | 12 20 26.50 | -01 43 59.1 | 17.9 | 7 809 |
| 1993 FF ₄₆ | 1993 03 20.23368 | 12 35 46.79 | -03 54 15.0 | 19.8 | 7 809 | 1993 FX ₄₆ | 1993 03 24.11771 | 12 17 25.08 | -01 13 42.9 | 17.9 | 7 809 |
| 1993 FF ₄₆ | 1993 03 24.11771 | 12 32 15.97 | -03 31 37.5 | 18.7 | 7 809 | 1993 FY ₄₆ | * 1993 03 19.15104 | 12 21 15.58 | -01 14 23.9 | 20.1 | 7 809 |
| 1993 FG ₄₆ | * 1993 03 19.21875 | 12 36 40.76 | -05 11 57.6 | 17.9 | 7 809 | 1993 FY ₄₆ | 1993 03 20.15382 | 12 20 23.62 | -01 09 21.7 | 18.7 | 7 809 |
| 1993 FG ₄₆ | 1993 03 20.23368 | 12 35 37.97 | -05 13 18.9 | 17.3 | 7 809 | 1993 FY ₄₆ | 1993 03 24.11771 | 12 16 54.35 | -00 49 07.9 | 18.7 | 7 809 |
| 1993 FG ₄₆ | 1993 03 24.11771 | 12 31 30.13 | -05 17 54.8 | 17.9 | 7 809 | 1993 FZ ₄₆ | * 1993 03 19.15104 | 12 21 30.87 | -01 57 44.2 | 18.4 | 7 809 |
| 1993 FH ₄₆ | * 1993 03 19.21875 | 12 36 44.77 | -04 27 19.5 | 19.6 | 7 809 | 1993 FZ ₄₆ | 1993 03 20.15382 | 12 20 37.83 | -01 53 49.8 | 17.9 | 7 809 |
| 1993 FH ₄₆ | 1993 03 20.23368 | 12 35 55.89 | -04 19 18.0 | 18.1 | 7 809 | 1993 FZ ₄₆ | 1993 03 24.11771 | 12 17 06.20 | -01 38 11.5 | 18.7 | 7 809 |
| 1993 FH ₄₆ | 1993 03 24.11771 | 12 32 43.40 | -03 47 43.2 | 18.7 | 7 809 | 1993 FA ₄₇ | * 1993 03 19.15104 | 12 22 43.98 | -01 23 07.5 | 18.4 | 7 809 |
| 1993 FJ ₄₆ | * 1993 03 19.21875 | 12 37 08.05 | -04 44 09.2 | 17.9 | 7 809 | 1993 FA ₄₇ | 1993 03 20.15382 | 12 21 44.41 | -01 20 39.1 | 17.9 | 7 809 |
| 1993 FJ ₄₆ | 1993 03 20.23368 | 12 36 10.15 | -04 38 26.4 | 17.3 | 7 809 | 1993 FA ₄₇ | 1993 03 24.11771 | 12 17 44.41 | -01 10 39.0 | 17.9 | 7 809 |
| 1993 FJ ₄₆ | 1993 03 24.11771 | 12 32 24.44 | -04 16 02.6 | 17.9 | 7 809 | 1993 FB ₄₇ | * 1993 03 19.15104 | 12 23 24.09 | -01 35 18.7 | 19.2 | 7 809 |
| 1993 FK ₄₆ | * 1993 03 19.15104 | 12 17 04.29 | -01 32 41.6 | 19.2 | 7 809 | 1993 FB ₄₇ | 1993 03 20.15382 | 12 22 33.61 | -01 30 35.9 | 18.7 | 7 809 |
| 1993 FK ₄₆ | 1993 03 20.15382 | 12 16 07.46 | -01 24 57.4 | 19.6 | 7 809 | 1993 FB ₄₇ | 1993 03 24.11771 | 12 19 11.80 | -01 11 49.3 | 18.7 | 7 809 |
| 1993 FK ₄₆ | 1993 03 24.11771 | 12 12 18.79 | -00 53 55.8 | 19.6 | 7 809 | 1993 FC ₄₇ | * 1993 03 19.15104 | 12 23 24.68 | -01 43 04.8 | 18.4 | 7 809 |
| 1993 FL ₄₆ | * 1993 03 19.15104 | 12 17 07.38 | -02 02 52.2 | 17.5 | 7 809 | 1993 FC ₄₇ | 1993 03 20.15382 | 12 22 37.53 | -01 38 54.7 | 17.9 | 7 809 |
| 1993 FL ₄₆ | 1993 03 20.15382 | 12 16 10.53 | -01 58 20.5 | 17.0 | 7 809 | 1993 FC ₄₇ | 1993 03 24.11771 | 12 19 28.73 | -01 22 14.3 | 17.9 | 7 809 |
| 1993 FL ₄₆ | 1993 03 24.11771 | 12 12 23.63 | -01 40 09.7 | 17.0 | 7 809 | 1993 FD ₄₇ | * 1993 03 19.15104 | 12 23 42.84 | -01 29 35.0 | 18.4 | 7 809 |
| 1993 FM ₄₆ | * 1993 03 19.15104 | 12 17 23.07 | -02 05 12.3 | 17.5 | 7 809 | 1993 FD ₄₇ | 1993 03 20.15382 | 12 22 59.14 | -01 24 18.4 | 17.9 | 7 809 |
| 1993 FM ₄₆ | 1993 03 20.15382 | 12 16 33.13 | -01 56 01.2 | 17.9 | 7 809 | 1993 FD ₄₇ | 1993 03 24.11771 | 12 20 03.74 | -01 03 15.9 | 17.9 | 7 809 |
| 1993 FM ₄₆ | 1993 03 24.11771 | 12 13 13.65 | -01 19 22.9 | 17.0 | 7 809 | 1993 FE ₄₇ | * 1993 03 19.15104 | 12 23 55.83 | -02 08 49.7 | 17.5 | 7 809 |
| 1993 FN ₄₆ | * 1993 03 19.15104 | 12 17 35.20 | -01 44 37.7 | 18.4 | 7 809 | 1993 FE ₄₇ | 1993 03 20.15382 | 12 23 14.73 | -02 04 16.2 | 17.0 | 7 809 |
| 1993 FN ₄₆ | 1993 03 20.15382 | 12 16 53.54 | -01 38 15.6 | 19.6 | 7 809 | 1993 FE ₄₇ | 1993 03 24.11771 | 12 20 30.76 | -01 46 06.4 | 17.9 | 7 809 |
| 1993 FN ₄₆ | 1993 03 24.11771 | 12 14 07.28 | -01 12 51.6 | 18.7 | 7 809 | 1993 FF ₄₇ | * 1993 03 19.15104 | 12 24 09.73 | -01 47 27.8 | 18.4 | 7 809 |
| 1993 FO ₄₆ | * 1993 03 19.15104 | 12 17 58.08 | -01 26 58.1 | 20.1 | 7 809 | 1993 FF ₄₇ | 1993 03 20.15382 | 12 23 12.89 | -01 40 14.5 | 19.6 | 7 809 |
| 1993 FO ₄₆ | 1993 03 20.15382 | 12 17 04.93 | -01 19 46.4 | 7 809 | | 1993 FF ₄₇ | 1993 03 24.11771 | 12 19 26.23 | -01 11 34.4 | 17.9 | 7 809 |
| 1993 FO ₄₆ | 1993 03 24.11771 | 12 13 33.28 | -00 51 09.4 | 19.6 | 7 809 | 1993 FG ₄₇ | * 1993 03 19.15104 | 12 24 48.93 | -01 49 45.1 | 18.4 | 7 809 |
| 1993 FP ₄₆ | * 1993 03 19.15104 | 12 18 40.01 | -01 24 06.7 | 18.4 | 7 809 | 1993 FG ₄₇ | 1993 03 20.15382 | 12 23 56.62 | -01 47 05.1 | 19.6 | 7 809 |
| 1993 FP ₄₆ | 1993 03 20.15382 | 12 17 56.60 | -01 19 11.8 | 18.7 | 7 809 | 1993 FG ₄₇ | 1993 03 24.11771 | 12 20 27.83 | -01 36 26.2 | 18.7 | 7 809 |
| 1993 FP ₄₆ | 1993 03 24.11771 | 12 15 03.35 | -00 59 34.0 | 18.7 | 7 809 | 1993 FH ₄₇ | * 1993 03 19.15104 | 12 24 52.20 | -02 12 21.1 | 17.5 | 7 809 |
| 1993 FQ ₄₆ | * 1993 03 19.15104 | 12 18 44.91 | -02 06 47.1 | 20.1 | 7 809 | 1993 FH ₄₇ | 1993 03 20.15382 | 12 23 53.99 | -02 07 48.0 | 17.0 | 7 809 |
| 1993 FQ ₄₆ | 1993 03 20.15382 | 12 17 58.13 | -02 01 57.7 | 19.6 | 7 809 | 1993 FH ₄₇ | 1993 03 24.11771 | 12 19 57.79 | -01 49 16.7 | 17.0 | 7 809 |
| 1993 FQ ₄₆ | 1993 03 24.11771 | 12 14 51.33 | -01 42 53.1 | 18.7 | 7 809 | 1993 FJ ₄₇ | * 1993 03 19.15104 | 12 25 20.42 | -01 42 11.4 | 17.5 | 7 809 |
| 1993 FR ₄₆ | * 1993 03 19.15104 | 12 19 11.41 | -01 06 32.0 | 17.5 | 7 809 | 1993 FJ ₄₇ | 1993 03 20.15382 | 12 24 29.06 | -01 34 54.4 | 17.0 | 7 809 |
| 1993 FR ₄₆ | 1993 03 20.15382 | 12 18 27.00 | -01 01 04.4 | 17.9 | 7 809 | 1993 FJ ₄₇ | 1993 03 24.11771 | 12 21 02.04 | -01 05 46.6 | 17.9 | 7 809 |
| 1993 FR ₄₆ | 1993 03 24.11771 | 12 15 29.67 | -00 39 24.0 | 17.9 | 7 809 | 1993 FK ₄₇ | * 1993 03 19.15104 | 12 25 28.66 | -02 09 29.5 | 17.5 | 7 809 |
| 1993 FS ₄₆ | * 1993 03 19.15104 | 12 19 44.75 | -01 47 30.1 | 17.5 | 7 809 | 1993 FK ₄₇ | 1993 03 20.15382 | 12 24 45.27 | -02 04 20.1 | 17.0 | 7 809 |
| 1993 FS ₄₆ | 1993 03 20.15382 | 12 18 52.54 | -01 38 41.0 | 17.9 | 7 809 | 1993 FK ₄₇ | 1993 03 24.11771 | 12 21 50.86 | -01 43 36.5 | 17.9 | 7 809 |
| 1993 FS ₄₆ | 1993 03 24.11771 | 12 15 23.92 | -01 03 34.9 | 17.9 | 7 809 | 1993 FL ₄₇ | * 1993 03 19.15104 | 12 25 35.90 | -02 11 36.2 | 18.4 | 7 809 |
| 1993 FT ₄₆ | * 1993 03 19.15104 | 12 20 26.88 | -02 04 20.8 | 18.4 | 7 809 | 1993 FL ₄₇ | 1993 03 20.15382 | 12 24 43.75 | -02 03 14.1 | 17.9 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FL ₄₇ | 1993 03 24.11771 | 12 21 13.09 | -01 29 38.0 | 17.9 | 7 809 | 1993 FD ₄₈ | * 1993 03 19.15104 | 12 33 05.95 | -02 23 27.2 | 19.2 | 7 809 |
| 1993 FM ₄₇ | * 1993 03 19.15104 | 12 25 58.94 | -01 49 00.3 | 18.4 | 7 809 | 1993 FD ₄₈ | 1993 03 20.15382 | 12 32 13.30 | -02 19 25.5 | 19.6 | 7 809 |
| 1993 FM ₄₇ | 1993 03 20.15382 | 12 25 06.30 | -01 45 34.2 | 19.6 | 7 809 | 1993 FD ₄₈ | 1993 03 24.11771 | 12 28 39.28 | -02 03 03.6 | 17.9 | 7 809 |
| 1993 FM ₄₇ | 1993 03 24.11771 | 12 21 34.73 | -01 31 42.9 | 18.7 | 7 809 | 1993 FE ₄₈ | * 1993 03 19.15104 | 12 16 14.91 | -02 23 18.8 | 15.9 | 7 809 |
| 1993 FN ₄₇ | * 1993 03 19.15104 | 12 26 43.82 | -01 54 19.1 | 19.2 | 7 809 | 1993 FE ₄₈ | 1993 03 20.15382 | 12 15 30.15 | -02 17 58.8 | 16.2 | 7 809 |
| 1993 FN ₄₇ | 1993 03 20.15382 | 12 25 47.00 | -01 47 42.7 | 19.6 | 7 809 | 1993 FE ₄₈ | 1993 03 24.11771 | 12 12 31.34 | -01 56 37.6 | 16.2 | 7 809 |
| 1993 FN ₄₇ | 1993 03 24.11771 | 12 22 00.24 | -01 21 28.8 | 18.7 | 7 809 | 1993 FF ₄₈ | * 1993 03 19.15104 | 12 17 00.55 | -03 14 15.4 | 17.5 | 7 809 |
| 1993 FO ₄₇ | * 1993 03 19.15104 | 12 27 21.50 | -01 52 08.2 | 18.4 | 7 809 | 1993 FF ₄₈ | 1993 03 20.15382 | 12 16 12.53 | -03 05 28.4 | 17.0 | 7 809 |
| 1993 FO ₄₇ | 1993 03 20.15382 | 12 26 37.25 | -01 47 40.5 | 19.6 | 7 809 | 1993 FF ₄₈ | 1993 03 24.11771 | 12 13 02.36 | -02 30 37.0 | 17.9 | 7 809 |
| 1993 FO ₄₇ | 1993 03 24.11771 | 12 23 39.57 | -01 29 46.6 | 18.7 | 7 809 | 1993 FG ₄₈ | * 1993 03 19.15104 | 12 17 45.31 | -02 28 50.9 | 18.4 | 7 809 |
| 1993 FP ₄₇ | * 1993 03 19.15104 | 12 28 28.86 | -02 02 22.5 | 19.2 | 7 809 | 1993 FG ₄₈ | 1993 03 20.15382 | 12 17 00.02 | -02 17 11.4 | 18.7 | 7 809 |
| 1993 FP ₄₇ | 1993 03 20.15382 | 12 27 32.30 | -01 57 41.7 | 19.6 | 7 809 | 1993 FG ₄₈ | 1993 03 24.11771 | 12 13 56.74 | -01 30 20.8 | 17.9 | 7 809 |
| 1993 FP ₄₇ | 1993 03 24.11771 | 12 23 44.00 | -01 38 39.4 | 18.7 | 7 809 | 1993 FH ₄₈ | * 1993 03 19.15104 | 12 17 50.74 | -02 37 08.7 | 19.2 | 7 809 |
| 1993 FQ ₄₇ | * 1993 03 19.15104 | 12 28 34.90 | -01 50 17.5 | 19.2 | 7 809 | 1993 FH ₄₈ | 1993 03 20.15382 | 12 17 10.08 | -02 30 12.9 | 19.6 | 7 809 |
| 1993 FQ ₄₇ | 1993 03 20.15382 | 12 27 37.15 | -01 45 07.7 | 19.2 | 7 809 | 1993 FH ₄₈ | 1993 03 24.11771 | 12 14 27.86 | -02 02 27.5 | 18.7 | 7 809 |
| 1993 FQ ₄₇ | 1993 03 24.11771 | 12 23 45.66 | -01 24 16.5 | 19.6 | 7 809 | 1993 FJ ₄₈ | * 1993 03 19.15104 | 12 17 54.70 | -02 20 01.1 | 18.4 | 7 809 |
| 1993 FR ₄₇ | * 1993 03 19.15104 | 12 29 11.43 | -01 42 04.1 | 17.5 | 7 809 | 1993 FJ ₄₈ | 1993 03 20.15382 | 12 17 08.76 | -02 14 35.0 | 17.9 | 7 809 |
| 1993 FR ₄₇ | 1993 03 20.15382 | 12 28 18.57 | -01 35 52.7 | 17.9 | 7 809 | 1993 FJ ₄₈ | 1993 03 24.11771 | 12 14 05.27 | -01 52 50.1 | 17.9 | 7 809 |
| 1993 FR ₄₇ | 1993 03 24.11771 | 12 24 46.27 | -01 11 10.0 | 17.9 | 7 809 | 1993 FK ₄₈ | * 1993 03 19.15104 | 12 18 12.03 | -02 54 09.7 | 19.2 | 7 809 |
| 1993 FS ₄₇ | * 1993 03 19.15104 | 12 29 18.38 | -02 02 39.7 | 17.5 | 7 809 | 1993 FK ₄₈ | 1993 03 20.15382 | 12 17 19.40 | -02 45 54.8 | 19.6 | 7 809 |
| 1993 FS ₄₇ | 1993 03 20.15382 | 12 28 19.08 | -01 59 28.3 | 17.0 | 7 809 | 1993 FK ₄₈ | 1993 03 24.11771 | 12 13 49.39 | -02 12 55.3 | 18.7 | 7 809 |
| 1993 FS ₄₇ | 1993 03 24.11771 | 12 24 21.12 | -01 46 34.4 | 17.9 | 7 809 | 1993 FL ₄₈ | * 1993 03 19.15104 | 12 19 30.05 | -03 10 44.2 | 19.2 | 7 809 |
| 1993 FT ₄₇ | * 1993 03 19.15104 | 12 29 31.19 | -02 12 44.6 | 18.4 | 7 809 | 1993 FL ₄₈ | 1993 03 20.15382 | 12 18 42.35 | -03 04 34.4 | 18.7 | 7 809 |
| 1993 FT ₄₇ | 1993 03 20.15382 | 12 28 41.39 | -02 08 51.8 | 17.9 | 7 809 | 1993 FL ₄₈ | 1993 03 24.11771 | 12 15 32.10 | -02 39 53.9 | 17.9 | 7 809 |
| 1993 FT ₄₇ | 1993 03 24.11771 | 12 25 20.93 | -01 53 14.2 | 17.9 | 7 809 | 1993 FM ₄₈ | * 1993 03 19.15104 | 12 20 04.52 | -02 16 52.4 | 18.4 | 7 809 |
| 1993 FU ₄₇ | * 1993 03 19.15104 | 12 29 35.17 | -02 12 23.3 | 20.1 | 7 809 | 1993 FM ₄₈ | 1993 03 20.15382 | 12 19 06.82 | -02 12 04.5 | 19.6 | 7 809 |
| 1993 FU ₄₇ | 1993 03 20.15382 | 12 28 39.07 | -02 07 09.9 | 17.9 | 7 809 | 1993 FM ₄₈ | 1993 03 24.11771 | 12 15 15.62 | -01 52 52.0 | 17.9 | 7 809 |
| 1993 FU ₄₇ | 1993 03 24.11771 | 12 24 54.10 | -01 46 16.8 | 18.7 | 7 809 | 1993 FN ₄₈ | * 1993 03 19.15104 | 12 20 19.93 | -02 48 57.5 | 17.5 | 7 809 |
| 1993 FV ₄₇ | * 1993 03 19.15104 | 12 30 32.90 | -01 51 38.8 | 19.2 | 7 809 | 1993 FN ₄₈ | 1993 03 20.15382 | 12 19 29.21 | -02 41 54.7 | 17.0 | 7 809 |
| 1993 FV ₄₇ | 1993 03 20.15382 | 12 29 39.29 | -01 46 14.5 | 18.7 | 7 809 | 1993 FN ₄₈ | 1993 03 24.11771 | 12 16 06.52 | -02 13 45.4 | 17.0 | 7 809 |
| 1993 FV ₄₇ | 1993 03 24.11771 | 12 26 00.16 | -01 24 14.1 | 18.7 | 7 809 | 1993 FO ₄₈ | * 1993 03 19.15104 | 12 20 32.56 | -02 33 04.1 | 17.5 | 7 809 |
| 1993 FW ₄₇ | * 1993 03 19.15104 | 12 30 55.74 | -02 08 51.5 | 17.5 | 7 809 | 1993 FO ₄₈ | 1993 03 20.15382 | 12 19 45.52 | -02 28 00.6 | 17.9 | 7 809 |
| 1993 FW ₄₇ | 1993 03 20.15382 | 12 30 09.70 | -02 05 45.0 | 17.0 | 7 809 | 1993 FO ₄₈ | 1993 03 24.11771 | 12 16 36.94 | -02 07 44.5 | 17.9 | 7 809 |
| 1993 FW ₄₇ | 1993 03 24.11771 | 12 27 03.83 | -01 53 13.8 | 17.0 | 7 809 | 1993 FP ₄₈ | * 1993 03 19.15104 | 12 20 34.77 | -03 38 15.3 | 17.5 | 7 809 |
| 1993 FX ₄₇ | * 1993 03 19.15104 | 12 31 09.82 | -02 01 50.4 | 18.4 | 7 809 | 1993 FP ₄₈ | 1993 03 20.15382 | 12 19 44.16 | -03 32 42.6 | 18.7 | 7 809 |
| 1993 FX ₄₇ | 1993 03 20.15382 | 12 30 21.70 | -01 53 50.6 | 17.0 | 7 809 | 1993 FP ₄₈ | 1993 03 24.11771 | 12 16 21.13 | -03 10 19.6 | 17.9 | 7 809 |
| 1993 FX ₄₇ | 1993 03 24.11771 | 12 27 07.01 | -01 22 01.3 | 17.0 | 7 809 | 1993 FQ ₄₈ | * 1993 03 19.15104 | 12 21 25.86 | -02 15 09.7 | 17.5 | 7 809 |
| 1993 FY ₄₇ | * 1993 03 19.15104 | 12 32 10.19 | -01 47 23.9 | 19.2 | 7 809 | 1993 FQ ₄₈ | 1993 03 20.15382 | 12 20 25.05 | -02 11 10.9 | 17.0 | 7 809 |
| 1993 FY ₄₇ | 1993 03 20.15382 | 12 31 14.86 | -01 42 18.8 | 18.7 | 7 809 | 1993 FQ ₄₈ | 1993 03 24.11771 | 12 16 19.80 | -01 55 03.2 | 17.0 | 7 809 |
| 1993 FY ₄₇ | 1993 03 24.11771 | 12 27 31.84 | -01 21 51.6 | 18.7 | 7 809 | 1993 FR ₄₈ | * 1993 03 19.15104 | 12 21 51.48 | -03 30 22.8 | 17.5 | 7 809 |
| 1993 FZ ₄₇ | * 1993 03 19.15104 | 12 32 13.88 | -01 44 06.9 | 19.2 | 7 809 | 1993 FR ₄₈ | 1993 03 20.15382 | 12 21 04.06 | -03 25 44.1 | 17.9 | 7 809 |
| 1993 FZ ₄₇ | 1993 03 20.15382 | 12 31 28.50 | -01 38 24.0 | 18.7 | 7 809 | 1993 FR ₄₈ | 1993 03 24.11771 | 12 17 55.57 | -03 07 10.5 | 17.9 | 7 809 |
| 1993 FZ ₄₇ | 1993 03 24.11771 | 12 28 25.93 | -01 15 41.3 | 18.7 | 7 809 | 1993 FS ₄₈ | * 1993 03 19.15104 | 12 22 35.79 | -03 13 37.7 | 18.4 | 7 809 |
| 1993 FA ₄₈ | * 1993 03 19.15104 | 12 32 22.26 | -01 47 10.7 | 19.2 | 7 809 | 1993 FS ₄₈ | 1993 03 20.15382 | 12 21 55.97 | -03 04 24.2 | 17.9 | 7 809 |
| 1993 FA ₄₈ | 1993 03 20.15382 | 12 31 31.50 | -01 43 46.3 | 18.7 | 7 809 | 1993 FS ₄₈ | 1993 03 24.11771 | 12 19 17.18 | -02 27 40.2 | 17.9 | 7 809 |
| 1993 FA ₄₈ | 1993 03 24.11771 | 12 28 07.11 | -01 30 06.7 | 17.9 | 7 809 | 1993 FT ₄₈ | * 1993 03 19.15104 | 12 22 36.73 | -02 18 47.9 | 16.7 | 7 809 |
| 1993 FB ₄₈ | * 1993 03 19.15104 | 12 32 29.04 | -02 17 47.1 | 19.2 | 7 809 | 1993 FT ₄₈ | 1993 03 20.15382 | 12 21 48.08 | -02 15 53.3 | 16.2 | 7 809 |
| 1993 FB ₄₈ | 1993 03 20.15382 | 12 31 32.47 | -02 12 08.3 | 19.6 | 7 809 | 1993 FT ₄₈ | 1993 03 24.11771 | 12 18 34.03 | -02 04 14.3 | 17.0 | 7 809 |
| 1993 FB ₄₈ | 1993 03 24.11771 | 12 27 45.15 | -01 49 30.3 | 19.6 | 7 809 | 1993 FU ₄₈ | * 1993 03 19.15104 | 12 22 47.87 | -03 22 34.9 | 19.2 | 7 809 |
| 1993 FC ₄₈ | * 1993 03 19.15104 | 12 32 32.88 | -02 42 24.0 | 17.5 | 7 809 | 1993 FU ₄₈ | 1993 03 20.15382 | 12 22 01.51 | -03 14 43.2 | 19.6 | 7 809 |
| 1993 FC ₄₈ | 1993 03 20.15382 | 12 31 41.40 | -02 36 07.2 | 16.2 | 7 809 | 1993 FU ₄₈ | 1993 03 24.11771 | 12 18 56.96 | -02 43 24.5 | 18.7 | 7 809 |
| 1993 FC ₄₈ | 1993 03 24.11771 | 12 28 09.37 | -02 10 25.9 | 17.0 | 7 809 | 1993 FV ₄₈ | * 1993 03 19.15104 | 12 23 52.27 | -02 25 32.0 | 17.5 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FV ₄₈ | 1993 03 20.15382 | 12 23 03.07 | -02 16 17.3 | 16.2 | 7 809 | 1993 FN ₄₉ | 1993 03 24.11771 | 12 26 55.26 | -02 53 35.0 | 17.9 | 7 809 |
| 1993 FV ₄₈ | 1993 03 24.11771 | 12 19 44.48 | -01 39 10.2 | 17.0 | 7 809 | 1993 FO ₄₉ | * 1993 03 19.15104 | 12 31 36.39 | -02 15 36.2 | 18.4 | 7 809 |
| 1993 FW ₄₈ | * 1993 03 19.15104 | 12 24 16.17 | -02 38 50.3 | 19.2 | 7 809 | 1993 FO ₄₉ | 1993 03 20.15382 | 12 30 42.47 | -02 09 06.4 | 17.9 | 7 809 |
| 1993 FW ₄₈ | 1993 03 20.15382 | 12 23 24.28 | -02 33 41.3 | 19.6 | 7 809 | 1993 FO ₄₉ | 1993 03 24.11771 | 12 27 05.45 | -01 43 05.1 | 17.9 | 7 809 |
| 1993 FW ₄₈ | 1993 03 24.11771 | 12 19 57.15 | -02 13 10.7 | 18.7 | 7 809 | 1993 FP ₄₉ | * 1993 03 19.15104 | 12 31 38.00 | -03 44 42.8 | 18.4 | 7 809 |
| 1993 FX ₄₈ | * 1993 03 19.15104 | 12 24 18.95 | -02 58 01.8 | 19.2 | 7 809 | 1993 FP ₄₉ | 1993 03 20.15382 | 12 30 47.50 | -03 39 00.1 | 18.7 | 7 809 |
| 1993 FX ₄₈ | 1993 03 20.15382 | 12 23 22.90 | -02 51 38.6 | 18.7 | 7 809 | 1993 FP ₄₉ | 1993 03 24.11771 | 12 27 22.39 | -03 15 49.4 | 17.9 | 7 809 |
| 1993 FX ₄₈ | 1993 03 24.11771 | 12 19 39.69 | -02 26 10.9 | 18.7 | 7 809 | 1993 FQ ₄₉ | * 1993 03 19.15104 | 12 32 37.97 | -02 52 27.9 | 20.1 | 7 809 |
| 1993 FY ₄₈ | * 1993 03 19.15104 | 12 25 01.27 | -02 45 52.5 | 19.2 | 7 809 | 1993 FQ ₄₉ | 1993 03 20.15382 | 12 31 54.83 | -02 47 53.9 | 19.6 | 7 809 |
| 1993 FY ₄₈ | 1993 03 20.15382 | 12 24 20.41 | -02 39 05.9 | 18.7 | 7 809 | 1993 FQ ₄₉ | 1993 03 24.11771 | 12 29 00.73 | -02 29 27.7 | 18.7 | 7 809 |
| 1993 FY ₄₈ | 1993 03 24.11771 | 12 21 36.92 | -02 12 01.0 | 18.7 | 7 809 | 1993 FR ₄₉ | * 1993 03 19.15104 | 12 32 42.53 | -03 35 03.7 | 17.5 | 7 809 |
| 1993 FZ ₄₈ | * 1993 03 19.15104 | 12 26 05.49 | -02 45 53.0 | 17.5 | 7 809 | 1993 FR ₄₉ | 1993 03 20.15382 | 12 31 59.43 | -03 30 02.1 | 17.0 | 7 809 |
| 1993 FZ ₄₈ | 1993 03 20.15382 | 12 25 19.85 | -02 40 23.9 | 17.0 | 7 809 | 1993 FR ₄₉ | 1993 03 24.11771 | 12 29 04.61 | -03 09 42.9 | 17.0 | 7 809 |
| 1993 FZ ₄₈ | 1993 03 24.11771 | 12 22 16.83 | -02 18 30.6 | 17.0 | 7 809 | 1993 FS ₄₉ | * 1993 03 19.15104 | 12 33 12.91 | -02 53 51.7 | 18.4 | 7 809 |
| 1993 FA ₄₉ | * 1993 03 19.15104 | 12 26 10.47 | -03 23 36.0 | 17.5 | 7 809 | 1993 FS ₄₉ | 1993 03 19.21875 | 12 33 09.39 | -02 53 22.2 | 17.9 | 7 809 |
| 1993 FA ₄₉ | 1993 03 20.15382 | 12 25 10.22 | -03 17 29.0 | 17.0 | 7 809 | 1993 FS ₄₉ | 1993 03 20.15382 | 12 32 21.45 | -02 46 49.6 | 17.9 | 7 809 |
| 1993 FA ₄₉ | 1993 03 24.11771 | 12 21 06.56 | -02 52 40.7 | 17.9 | 7 809 | 1993 FS ₄₉ | 1993 03 24.11771 | 12 28 51.55 | -02 18 24.2 | 17.0 | 7 809 |
| 1993 FB ₄₉ | * 1993 03 19.15104 | 12 26 23.25 | -03 04 19.5 | 19.2 | 7 809 | 1993 FT ₄₉ | * 1993 03 19.15104 | 12 17 27.12 | -03 49 12.6 | 18.4 | 7 809 |
| 1993 FB ₄₉ | 1993 03 20.15382 | 12 25 37.22 | -02 58 17.0 | 18.7 | 7 809 | 1993 FT ₄₉ | 1993 03 20.15382 | 12 16 37.28 | -03 39 52.5 | 19.6 | 7 809 |
| 1993 FB ₄₉ | 1993 03 24.11771 | 12 22 32.50 | -02 34 08.7 | 18.7 | 7 809 | 1993 FT ₄₉ | 1993 03 24.11771 | 12 13 17.25 | -03 02 15.9 | 17.9 | 7 809 |
| 1993 FC ₄₉ | * 1993 03 19.15104 | 12 26 55.86 | -02 17 37.7 | 19.2 | 7 809 | 1993 FU ₄₉ | * 1993 03 19.15104 | 12 17 42.64 | -04 09 49.2 | 17.5 | 7 809 |
| 1993 FC ₄₉ | 1993 03 20.15382 | 12 26 09.91 | -02 12 54.7 | 18.7 | 7 809 | 1993 FU ₄₉ | 1993 03 20.15382 | 12 16 51.15 | -04 03 59.5 | 17.0 | 7 809 |
| 1993 FC ₄₉ | 1993 03 24.11771 | 12 23 05.23 | -01 53 54.4 | 18.7 | 7 809 | 1993 FU ₄₉ | 1993 03 24.11771 | 12 13 25.90 | -03 40 29.1 | 17.0 | 7 809 |
| 1993 FD ₄₉ | * 1993 03 19.15104 | 12 28 05.97 | -03 12 59.4 | 17.5 | 7 809 | 1993 FV ₄₉ | * 1993 03 19.15104 | 12 18 56.92 | -03 33 27.7 | 19.2 | 7 809 |
| 1993 FD ₄₉ | 1993 03 20.15382 | 12 27 12.46 | -03 08 42.9 | 17.0 | 7 809 | 1993 FV ₄₉ | 1993 03 20.15382 | 12 18 14.06 | -03 28 52.5 | 19.6 | 7 809 |
| 1993 FD ₄₉ | 1993 03 24.11771 | 12 23 34.54 | -02 51 07.1 | 17.0 | 7 809 | 1993 FV ₄₉ | 1993 03 24.11771 | 12 15 23.22 | -03 10 31.0 | 18.7 | 7 809 |
| 1993 FE ₄₉ | * 1993 03 19.15104 | 12 28 14.64 | -03 02 24.9 | 17.5 | 7 809 | 1993 FW ₄₉ | * 1993 03 19.15104 | 12 19 10.38 | -03 24 28.9 | 18.4 | 7 809 |
| 1993 FE ₄₉ | 1993 03 20.15382 | 12 27 29.55 | -02 57 02.2 | 17.0 | 7 809 | 1993 FW ₄₉ | 1993 03 20.15382 | 12 18 18.34 | -03 19 33.1 | 17.9 | 7 809 |
| 1993 FE ₄₉ | 1993 03 24.11771 | 12 24 28.51 | -02 35 24.0 | 17.0 | 7 809 | 1993 FW ₄₉ | 1993 03 24.11771 | 12 14 50.13 | -02 59 38.2 | 17.9 | 7 809 |
| 1993 FF ₄₉ | * 1993 03 19.15104 | 12 29 14.30 | -02 52 26.7 | 17.5 | 7 809 | 1993 FX ₄₉ | * 1993 03 19.15104 | 12 19 51.59 | -03 49 39.7 | 18.4 | 7 809 |
| 1993 FF ₄₉ | 1993 03 20.15382 | 12 28 22.33 | -02 49 05.5 | 17.0 | 7 809 | 1993 FX ₄₉ | 1993 03 20.15382 | 12 18 51.22 | -03 49 52.0 | 18.7 | 7 809 |
| 1993 FF ₄₉ | 1993 03 24.11771 | 12 24 54.82 | -02 35 35.1 | 17.0 | 7 809 | 1993 FX ₄₉ | 1993 03 24.11771 | 12 14 48.81 | -03 50 16.9 | 17.9 | 7 809 |
| 1993 FG ₄₉ | * 1993 03 19.15104 | 12 29 44.14 | -03 52 55.3 | 17.5 | 7 809 | 1993 FY ₄₉ | * 1993 03 19.15104 | 12 20 10.59 | -04 10 51.0 | 18.4 | 7 809 |
| 1993 FG ₄₉ | 1993 03 20.15382 | 12 28 57.06 | -03 48 41.8 | 17.9 | 7 809 | 1993 FY ₄₉ | 1993 03 20.15382 | 12 19 22.38 | -04 04 49.5 | 18.7 | 7 809 |
| 1993 FG ₄₉ | 1993 03 24.11771 | 12 25 47.39 | -03 31 35.5 | 17.9 | 7 809 | 1993 FY ₄₉ | 1993 03 24.11771 | 12 16 10.01 | -03 40 34.8 | 19.6 | 7 809 |
| 1993 FH ₄₉ | * 1993 03 19.15104 | 12 29 58.59 | -03 29 14.1 | 17.5 | 7 809 | 1993 FZ ₄₉ | * 1993 03 19.15104 | 12 20 11.79 | -03 30 47.2 | 17.5 | 7 809 |
| 1993 FH ₄₉ | 1993 03 20.15382 | 12 29 13.13 | -03 23 52.4 | 17.9 | 7 809 | 1993 FZ ₄₉ | 1993 03 20.15382 | 12 19 12.71 | -03 26 05.2 | 17.9 | 7 809 |
| 1993 FH ₄₉ | 1993 03 24.11771 | 12 26 10.54 | -03 02 18.0 | 17.9 | 7 809 | 1993 FZ ₄₉ | 1993 03 24.11771 | 12 15 14.19 | -03 06 53.4 | 17.9 | 7 809 |
| 1993 FJ ₄₉ | * 1993 03 19.15104 | 12 30 37.66 | -03 07 56.6 | 17.5 | 7 809 | 1993 FA ₅₀ | * 1993 03 19.15104 | 12 20 14.36 | -04 11 24.8 | 19.2 | 7 809 |
| 1993 FJ ₄₉ | 1993 03 20.15382 | 12 29 41.67 | -03 03 35.4 | 17.9 | 7 809 | 1993 FA ₅₀ | 1993 03 20.15382 | 12 19 23.02 | -04 02 43.7 | 18.7 | 7 809 |
| 1993 FJ ₄₉ | 1993 03 24.11771 | 12 25 56.75 | -02 45 59.7 | 17.9 | 7 809 | 1993 FA ₅₀ | 1993 03 24.11771 | 12 15 58.35 | -03 27 59.0 | 17.9 | 7 809 |
| 1993 FK ₄₉ | * 1993 03 19.15104 | 12 30 49.43 | -03 24 36.3 | 19.2 | 7 809 | 1993 FB ₅₀ | * 1993 03 19.15104 | 12 20 22.14 | -04 51 35.7 | 17.5 | 7 809 |
| 1993 FK ₄₉ | 1993 03 20.15382 | 12 29 58.23 | -03 20 03.5 | 19.6 | 7 809 | 1993 FB ₅₀ | 1993 03 20.15382 | 12 19 12.89 | -04 50 39.6 | 17.9 | 7 809 |
| 1993 FK ₄₉ | 1993 03 24.11771 | 12 26 31.94 | -03 01 41.8 | 18.7 | 7 809 | 1993 FB ₅₀ | 1993 03 24.11771 | 12 14 35.95 | -04 46 16.1 | 17.9 | 7 809 |
| 1993 FL ₄₉ | * 1993 03 19.15104 | 12 31 03.36 | -03 40 39.1 | 18.4 | 7 809 | 1993 FC ₅₀ | * 1993 03 19.15104 | 12 21 13.86 | -04 18 11.6 | 18.4 | 7 809 |
| 1993 FL ₄₉ | 1993 03 20.15382 | 12 30 11.29 | -03 33 29.8 | 18.7 | 7 809 | 1993 FC ₅₀ | 1993 03 20.15382 | 12 20 32.83 | -04 03 47.0 | 17.9 | 7 809 |
| 1993 FL ₄₉ | 1993 03 24.11771 | 12 26 41.48 | -03 04 38.8 | 18.7 | 7 809 | 1993 FC ₅₀ | 1993 03 24.11771 | 12 17 47.66 | -03 05 57.0 | 17.9 | 7 809 |
| 1993 FM ₄₉ | * 1993 03 19.15104 | 12 31 04.26 | -03 02 04.1 | 17.5 | 7 809 | 1993 FD ₅₀ | * 1993 03 19.15104 | 12 21 56.62 | -03 59 05.3 | 18.4 | 7 809 |
| 1993 FM ₄₉ | 1993 03 20.15382 | 12 30 13.36 | -02 55 31.1 | 17.9 | 7 809 | 1993 FD ₅₀ | 1993 03 20.15382 | 12 21 07.51 | -03 53 24.5 | 17.9 | 7 809 |
| 1993 FM ₄₉ | 1993 03 24.11771 | 12 26 48.03 | -02 29 12.8 | 17.9 | 7 809 | 1993 FD ₅₀ | 1993 03 24.11771 | 12 17 51.25 | -03 30 30.1 | 17.9 | 7 809 |
| 1993 FN ₄₉ | * 1993 03 19.15104 | 12 31 13.06 | -03 18 50.4 | 17.5 | 7 809 | 1993 FE ₅₀ | * 1993 03 19.15104 | 12 22 09.93 | -04 22 41.8 | 18.4 | 7 809 |
| 1993 FN ₄₉ | 1993 03 20.15382 | 12 30 21.97 | -03 13 50.1 | 17.9 | 7 809 | 1993 FE ₅₀ | 1993 03 20.15382 | 12 21 29.09 | -04 16 32.6 | 17.9 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1993 FE ₅₀ | 1993 03 24.11771 | 12 18 46.12 | -03 51 47.0 | 17.9 | 7 809 | 1993 FX ₅₀ | * 1993 03 19.15104 | 12 29 16.29 | -05 03 28.3 | 17.5 | 7 809 |
| 1993 FF ₅₀ | * 1993 03 19.15104 | 12 22 27.89 | -04 00 26.5 | 17.5 | 7 809 | 1993 FX ₅₀ | 1993 03 20.15382 | 12 28 30.97 | -04 56 48.3 | 17.0 | 7 809 |
| 1993 FF ₅₀ | 1993 03 20.15382 | 12 21 29.15 | -03 55 11.7 | 18.7 | 7 809 | 1993 FX ₅₀ | 1993 03 24.11771 | 12 25 27.52 | -04 29 42.8 | 17.0 | 7 809 |
| 1993 FF ₅₀ | 1993 03 24.11771 | 12 17 31.83 | -03 33 43.6 | 17.9 | 7 809 | 1993 FY ₅₀ | * 1993 03 19.15104 | 12 29 16.80 | -04 42 46.6 | 19.2 | 7 809 |
| 1993 FG ₅₀ | * 1993 03 19.15104 | 12 23 02.00 | -04 56 48.6 | 17.5 | 7 809 | 1993 FY ₅₀ | 1993 03 20.15382 | 12 28 29.42 | -04 37 34.8 | 19.6 | 7 809 |
| 1993 FG ₅₀ | 1993 03 20.15382 | 12 22 06.41 | -04 52 01.8 | 17.9 | 7 809 | 1993 FY ₅₀ | 1993 03 24.11771 | 12 25 19.08 | -04 16 36.0 | 18.7 | 7 809 |
| 1993 FG ₅₀ | 1993 03 24.11771 | 12 18 21.36 | -04 32 15.0 | 17.0 | 7 809 | 1993 FZ ₅₀ | * 1993 03 19.15104 | 12 29 33.75 | -04 10 11.3 | 18.4 | 7 809 |
| 1993 FH ₅₀ | * 1993 03 19.15104 | 12 23 26.09 | -03 59 16.0 | 18.4 | 7 809 | 1993 FZ ₅₀ | 1993 03 20.15382 | 12 28 39.00 | -04 05 01.6 | 18.7 | 7 809 |
| 1993 FH ₅₀ | 1993 03 20.15382 | 12 22 36.44 | -03 49 45.6 | 19.6 | 7 809 | 1993 FZ ₅₀ | 1993 03 24.11771 | 12 24 57.48 | -03 43 56.1 | 17.9 | 7 809 |
| 1993 FH ₅₀ | 1993 03 24.11771 | 12 19 16.19 | -03 11 16.8 | 17.9 | 7 809 | 1993 FA ₅₁ | * 1993 03 19.15104 | 12 29 39.92 | -04 30 16.7 | 18.4 | 7 809 |
| 1993 FJ ₅₀ | * 1993 03 19.15104 | 12 23 29.84 | -04 04 05.9 | 16.7 | 7 809 | 1993 FA ₅₁ | 1993 03 20.15382 | 12 29 01.92 | -04 21 01.3 | 18.7 | 7 809 |
| 1993 FJ ₅₀ | 1993 03 20.15382 | 12 22 29.24 | -03 59 05.7 | 17.0 | 7 809 | 1993 FA ₅₁ | 1993 03 24.11771 | 12 26 28.72 | -03 43 53.3 | 17.9 | 7 809 |
| 1993 FJ ₅₀ | 1993 03 24.11771 | 12 18 25.90 | -03 38 37.2 | 16.2 | 7 809 | 1993 FB ₅₁ | * 1993 03 19.15104 | 12 29 42.72 | -04 55 23.1 | 18.4 | 7 809 |
| 1993 FK ₅₀ | * 1993 03 19.15104 | 12 24 04.27 | -04 07 14.9 | 20.1 | 7 809 | 1993 FB ₅₁ | 1993 03 20.15382 | 12 28 58.45 | -04 51 41.7 | 18.7 | 7 809 |
| 1993 FK ₅₀ | 1993 03 20.15382 | 12 23 17.04 | -04 02 10.0 | 19.6 | 7 809 | 1993 FB ₅₁ | 1993 03 24.11771 | 12 26 00.77 | -04 36 40.8 | 18.7 | 7 809 |
| 1993 FK ₅₀ | 1993 03 24.11771 | 12 20 08.52 | -03 41 49.1 | 18.7 | 7 809 | 1993 FC ₅₁ | * 1993 03 19.15104 | 12 29 46.37 | -04 34 38.5 | 18.4 | 7 809 |
| 1993 FL ₅₀ | * 1993 03 19.15104 | 12 24 17.00 | -05 12 02.5 | 18.4 | 7 809 | 1993 FC ₅₁ | 1993 03 20.15382 | 12 28 59.75 | -04 30 01.2 | 17.9 | 7 809 |
| 1993 FL ₅₀ | 1993 03 20.15382 | 12 23 24.70 | -05 07 28.0 | 17.9 | 7 809 | 1993 FC ₅₁ | 1993 03 24.11771 | 12 25 52.27 | -04 11 14.2 | 17.9 | 7 809 |
| 1993 FL ₅₀ | 1993 03 24.11771 | 12 19 52.93 | -04 48 21.1 | 17.9 | 7 809 | 1993 FD ₅₁ | * 1993 03 19.15104 | 12 30 46.11 | -04 09 59.0 | 18.4 | 7 809 |
| 1993 FM ₅₀ | * 1993 03 19.15104 | 12 24 48.41 | -03 54 13.5 | 17.5 | 7 809 | 1993 FD ₅₁ | 1993 03 20.15382 | 12 29 58.00 | -04 04 52.4 | 19.6 | 7 809 |
| 1993 FM ₅₀ | 1993 03 20.15382 | 12 24 05.15 | -03 49 36.9 | 17.0 | 7 809 | 1993 FD ₅₁ | 1993 03 24.11771 | 12 26 45.30 | -03 44 23.5 | 17.9 | 7 809 |
| 1993 FM ₅₀ | 1993 03 24.11771 | 12 21 12.43 | -03 31 08.0 | 16.2 | 7 809 | 1993 FE ₅₁ | * 1993 03 19.15104 | 12 30 59.54 | -04 07 05.0 | 18.4 | 7 809 |
| 1993 FN ₅₀ | * 1993 03 19.15104 | 12 24 52.63 | -04 19 51.8 | 19.2 | 7 809 | 1993 FE ₅₁ | 1993 03 20.15382 | 12 30 15.64 | -03 58 53.4 | 18.7 | 7 809 |
| 1993 FN ₅₀ | 1993 03 20.15382 | 12 23 57.67 | -04 10 44.5 | 19.6 | 7 809 | 1993 FE ₅₁ | 1993 03 24.11771 | 12 27 18.50 | -03 25 57.3 | 18.7 | 7 809 |
| 1993 FN ₅₀ | 1993 03 24.11771 | 12 20 15.07 | -03 33 34.8 | 19.6 | 7 809 | 1993 FF ₅₁ | * 1993 03 19.15104 | 12 31 19.52 | -04 53 37.9 | 18.4 | 7 809 |
| 1993 FO ₅₀ | * 1993 03 19.15104 | 12 24 52.66 | -04 01 43.0 | 18.4 | 7 809 | 1993 FF ₅₁ | 1993 03 20.15382 | 12 30 29.15 | -04 50 12.9 | 18.7 | 7 809 |
| 1993 FO ₅₀ | 1993 03 20.15382 | 12 23 55.50 | -03 56 21.1 | 18.7 | 7 809 | 1993 FF ₅₁ | 1993 03 24.11771 | 12 27 06.37 | -04 36 13.4 | 17.9 | 7 809 |
| 1993 FO ₅₀ | 1993 03 24.11771 | 12 20 06.64 | -03 34 35.9 | 17.9 | 7 809 | 1993 FG ₅₁ | * 1993 03 19.15104 | 12 31 31.47 | -04 31 16.6 | 18.4 | 7 809 |
| 1993 FP ₅₀ | * 1993 03 19.15104 | 12 25 01.53 | -04 08 31.7 | 18.4 | 7 809 | 1993 FG ₅₁ | 1993 03 20.15382 | 12 30 49.71 | -04 25 44.3 | 17.9 | 7 809 |
| 1993 FP ₅₀ | 1993 03 20.15382 | 12 24 03.72 | -04 05 02.6 | 18.7 | 7 809 | 1993 FG ₅₁ | 1993 03 24.11771 | 12 28 01.20 | -04 03 22.2 | 17.9 | 7 809 |
| 1993 FP ₅₀ | 1993 03 24.11771 | 12 20 10.61 | -03 50 32.8 | 17.9 | 7 809 | 1993 FH ₅₁ | * 1993 03 19.15104 | 12 32 16.75 | -05 32 07.0 | 18.4 | 7 809 |
| 1993 FQ ₅₀ | * 1993 03 19.15104 | 12 25 34.76 | -05 09 17.3 | 18.4 | 7 809 | 1993 FH ₅₁ | 1993 03 20.15382 | 12 31 25.57 | -05 26 30.8 | 18.7 | 7 809 |
| 1993 FQ ₅₀ | 1993 03 20.15382 | 12 24 32.50 | -05 03 56.6 | 18.7 | 7 809 | 1993 FH ₅₁ | 1993 03 24.11771 | 12 28 00.56 | -05 03 50.2 | 17.9 | 7 809 |
| 1993 FQ ₅₀ | 1993 03 24.11771 | 12 20 20.75 | -04 41 52.1 | 17.9 | 7 809 | 1993 FJ ₅₁ | * 1993 03 19.15104 | 12 32 28.56 | -04 51 36.4 | 18.4 | 7 809 |
| 1993 FR ₅₀ | * 1993 03 19.15104 | 12 25 35.72 | -05 26 48.0 | 19.2 | 7 809 | 1993 FJ ₅₁ | 1993 03 20.15382 | 12 31 26.35 | -04 46 38.1 | 18.7 | 7 809 |
| 1993 FR ₅₀ | 1993 03 20.15382 | 12 24 33.72 | -05 23 27.8 | 19.6 | 7 809 | 1993 FJ ₅₁ | 1993 03 24.11771 | 12 27 17.03 | -04 26 26.6 | 17.9 | 7 809 |
| 1993 FR ₅₀ | 1993 03 24.11771 | 12 20 26.11 | -05 09 33.1 | 18.7 | 7 809 | 1993 FK ₅₁ | * 1993 03 19.15104 | 12 33 11.50 | -04 36 36.7 | 18.4 | 7 809 |
| 1993 FS ₅₀ | * 1993 03 19.15104 | 12 25 57.57 | -04 27 46.0 | 18.4 | 7 809 | 1993 FK ₅₁ | 1993 03 19.21875 | 12 33 08.02 | -04 36 08.4 | 18.7 | 7 809 |
| 1993 FS ₅₀ | 1993 03 20.15382 | 12 25 01.93 | -04 22 53.3 | 17.9 | 7 809 | 1993 FK ₅₁ | 1993 03 20.15382 | 12 32 20.27 | -04 29 22.5 | 19.6 | 7 809 |
| 1993 FS ₅₀ | 1993 03 24.11771 | 12 21 17.76 | -04 02 55.1 | 17.9 | 7 809 | 1993 FK ₅₁ | 1993 03 24.11771 | 12 28 51.66 | -03 59 58.6 | 18.7 | 7 809 |
| 1993 FT ₅₀ | * 1993 03 19.15104 | 12 27 00.06 | -04 37 02.6 | 18.4 | 7 809 | 1993 GA ₁ | 1993 03 19.21875 | 12 42 32.56 | -04 20 22.5 | 17.9 | 7 809 |
| 1993 FT ₅₀ | 1993 03 20.15382 | 12 26 16.20 | -04 33 06.6 | 18.7 | 7 809 | 1993 GA ₁ | 1993 03 20.23368 | 12 41 32.64 | -04 16 59.4 | 18.1 | 7 809 |
| 1993 FT ₅₀ | 1993 03 24.11771 | 12 23 20.65 | -04 17 10.8 | 17.9 | 7 809 | 1993 GA ₁ | 1993 03 24.19965 | 12 37 32.87 | -04 03 08.7 | 17.6 | 7 809 |
| 1993 FU ₅₀ | * 1993 03 19.15104 | 12 27 23.52 | -04 29 08.5 | 17.5 | 7 809 | 1993 HQ ₁ | 1993 03 19.21875 | 12 37 54.67 | -01 48 42.5 | 17.9 | 7 809 |
| 1993 FU ₅₀ | 1993 03 20.15382 | 12 26 30.42 | -04 24 05.5 | 17.0 | 7 809 | 1993 HQ ₁ | 1993 03 20.23368 | 12 36 18.40 | -01 56 58.2 | 18.1 | 7 809 |
| 1993 FU ₅₀ | 1993 03 24.11771 | 12 22 58.70 | -04 03 44.7 | 17.0 | 7 809 | 1993 HQ ₁ | 1993 03 24.11771 | 12 29 59.63 | -02 28 39.5 | 17.9 | 7 809 |
| 1993 FV ₅₀ | * 1993 03 19.15104 | 12 27 23.88 | -05 15 22.9 | 17.5 | 7 809 | 1993 HH ₃ | 1993 03 19.32187 | 12 57 43.80 | -01 53 15.3 | 16.4 | 7 809 |
| 1993 FV ₅₀ | 1993 03 20.15382 | 12 26 30.95 | -05 09 12.7 | 17.9 | 7 809 | 1993 HH ₃ | 1993 03 20.31424 | 12 57 03.66 | -01 48 15.5 | 16.7 | 7 809 |
| 1993 FV ₅₀ | 1993 03 24.11771 | 12 22 58.37 | -04 44 01.2 | 17.0 | 7 809 | 1993 HH ₃ | 1993 03 24.19965 | 12 54 21.23 | -01 28 29.7 | 16.8 | 7 809 |
| 1993 FW ₅₀ | * 1993 03 19.15104 | 12 28 25.36 | -04 00 30.0 | 18.4 | 7 809 | 1993 HH ₃ | 1993 03 24.28090 | 12 54 17.68 | -01 28 03.1 | 17.0 | 7 809 |
| 1993 FW ₅₀ | 1993 03 20.15382 | 12 27 33.05 | -03 53 57.1 | 17.9 | 7 809 | 1993 HJ ₃ | 1993 03 19.32187 | 13 08 14.76 | -02 04 02.9 | 16.4 | 7 809 |
| 1993 FW ₅₀ | 1993 03 24.11771 | 12 24 03.06 | -03 27 29.6 | 17.9 | 7 809 | 1993 HJ ₃ | 1993 03 20.31424 | 13 07 34.03 | -01 59 05.2 | 17.5 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|------------------|-------------|-------------|------|-------|-----------------------|------------------|-------------|-------------|------|-------|
| 1993 HJ ₃ | 1993 03 24.28090 | 13 04 44.09 | -01 38 54.9 | 17.9 | 7 809 | 1993 TG ₃₂ | 1993 10 21.18611 | 01 45 28.44 | +04 24 06.6 | 18.5 | 4 809 |
| 1993 HL ₃ | 1993 03 19.32187 | 13 14 25.88 | -02 37 43.7 | 19.0 | 7 809 | 1993 TG ₃₂ | 1993 10 21.19931 | 01 45 27.65 | +04 24 02.1 | | 4 809 |
| 1993 HL ₃ | 1993 03 20.31424 | 13 13 38.41 | -02 31 32.2 | 19.2 | 7 809 | 1993 TG ₃₂ | 1993 10 21.21250 | 01 45 26.76 | +04 23 58.3 | | 4 809 |
| 1993 HL ₃ | 1993 03 24.28090 | 13 10 20.09 | -02 06 20.9 | 17.9 | 7 809 | 1993 TO ₃₂ | 1993 10 21.18611 | 01 47 36.48 | +05 12 07.7 | 18.3 | 4 809 |
| 1993 HO ₃ | 1993 03 19.32187 | 13 11 49.36 | -01 50 48.9 | 19.0 | 7 809 | 1993 TO ₃₂ | 1993 10 21.19931 | 01 47 35.77 | +05 12 07.0 | | 4 809 |
| 1993 HO ₃ | 1993 03 20.31424 | 13 11 07.84 | -01 45 50.5 | 18.4 | 7 809 | 1993 TO ₃₂ | 1993 10 21.21250 | 01 47 35.01 | +05 12 05.3 | | 4 809 |
| 1993 HO ₃ | 1993 03 24.28090 | 13 08 15.86 | -01 25 43.4 | 18.7 | 7 809 | 1993 TT ₃₂ | 1993 10 21.18611 | 01 48 54.85 | +04 47 34.4 | 18.7 | 4 809 |
| 1993 HL ₅ | 1993 03 19.21875 | 12 34 02.58 | -02 41 29.3 | 17.0 | 7 809 | 1993 TT ₃₂ | 1993 10 21.19931 | 01 48 54.07 | +04 47 31.1 | | 4 809 |
| 1993 HL ₅ | 1993 03 20.15382 | 12 33 22.66 | -02 37 19.5 | 17.0 | 7 809 | 1993 TT ₃₂ | 1993 10 21.21250 | 01 48 53.43 | +04 47 27.8 | | 4 809 |
| 1993 HL ₅ | 1993 03 20.23368 | 12 33 19.27 | -02 36 58.1 | 17.3 | 7 809 | 1993 TV ₃₂ | 1993 10 21.18611 | 01 48 01.09 | +04 36 38.1 | 18.3 | 4 809 |
| 1993 HL ₅ | 1993 03 24.11771 | 12 30 29.61 | -02 19 22.4 | 17.0 | 7 809 | 1993 TV ₃₂ | 1993 10 21.19931 | 01 48 00.28 | +04 36 34.7 | | 4 809 |
| 1993 HL ₆ | 1993 03 21.12743 | 12 13 01.91 | -10 35 23.1 | 16.1 | 7 809 | 1993 TV ₃₂ | 1993 10 21.21250 | 01 47 59.48 | +04 36 31.1 | | 4 809 |
| 1993 HL ₆ | 1993 03 22.12465 | 12 12 14.76 | -10 25 12.1 | 17.0 | 7 809 | 1993 TK ₃₃ | 1993 10 21.18611 | 01 50 10.02 | +05 05 28.7 | 18.3 | 4 809 |
| 1993 TO ₂₉ | 1993 10 21.18611 | 01 37 05.40 | +04 57 56.9 | 18.5 | 4 809 | 1993 TK ₃₃ | 1993 10 21.19931 | 01 50 09.27 | +05 05 26.3 | | 4 809 |
| 1993 TO ₂₉ | 1993 10 21.19931 | 01 37 04.67 | +04 57 47.9 | | 4 809 | 1993 TK ₃₃ | 1993 10 21.21250 | 01 50 08.52 | +05 05 23.3 | | 4 809 |
| 1993 TO ₂₉ | 1993 10 21.21250 | 01 37 03.95 | +04 57 40.8 | | 4 809 | 1993 TV ₃₃ | 1993 10 21.18611 | 01 53 17.53 | +05 01 52.5 | 18.6 | 4 809 |
| 1993 TS ₂₉ | 1993 10 21.18611 | 01 37 35.37 | +04 30 24.0 | 18.6 | 4 809 | 1993 TV ₃₃ | 1993 10 21.19931 | 01 53 16.91 | +05 01 49.0 | | 4 809 |
| 1993 TS ₂₉ | 1993 10 21.19931 | 01 37 34.55 | +04 30 20.7 | | 4 809 | 1993 TV ₃₃ | 1993 10 21.21250 | 01 53 16.07 | +05 01 43.1 | | 4 809 |
| 1993 TS ₂₉ | 1993 10 21.21250 | 01 37 33.76 | +04 30 16.8 | | 4 809 | 1993 TY ₃₃ | 1993 10 21.18611 | 01 52 42.32 | +05 19 31.6 | 18.5 | 4 809 |
| 1993 TU ₂₉ | 1993 10 21.18611 | 01 38 34.38 | +04 45 30.1 | 18.4 | 4 809 | 1993 TY ₃₃ | 1993 10 21.19931 | 01 52 41.61 | +05 19 26.2 | | 4 809 |
| 1993 TU ₂₉ | 1993 10 21.19931 | 01 38 33.70 | +04 45 26.2 | | 4 809 | 1993 TY ₃₃ | 1993 10 21.21250 | 01 52 40.87 | +05 19 18.6 | | 4 809 |
| 1993 TU ₂₉ | 1993 10 21.21250 | 01 38 32.94 | +04 45 22.1 | | 4 809 | 1993 TZ ₃₃ | 1993 10 21.18611 | 01 52 23.33 | +04 52 07.2 | 18.7 | 4 809 |
| 1993 TY ₂₉ | 1993 10 21.18611 | 01 39 08.32 | +04 48 58.5 | 18.3 | 4 809 | 1993 TZ ₃₃ | 1993 10 21.19931 | 01 52 22.59 | +04 52 06.2 | | 4 809 |
| 1993 TY ₂₉ | 1993 10 21.19931 | 01 39 07.59 | +04 48 50.0 | | 4 809 | 1993 TZ ₃₃ | 1993 10 21.21250 | 01 52 21.89 | +04 52 04.2 | | 4 809 |
| 1993 TY ₂₉ | 1993 10 21.21250 | 01 39 06.87 | +04 48 42.3 | | 4 809 | 1993 TD ₃₄ | 1993 10 21.18611 | 01 53 22.30 | +05 16 28.8 | 18.4 | 4 809 |
| 1993 TE ₃₁ | 1993 10 21.18611 | 01 43 14.35 | +05 18 51.9 | 18.4 | 4 809 | 1993 TD ₃₄ | 1993 10 21.19931 | 01 53 21.57 | +05 16 22.8 | | 4 809 |
| 1993 TE ₃₁ | 1993 10 21.19931 | 01 43 13.68 | +05 18 46.2 | | 4 809 | 1993 TD ₃₄ | 1993 10 21.21250 | 01 53 20.90 | +05 16 17.0 | | 4 809 |
| 1993 TE ₃₁ | 1993 10 21.21250 | 01 43 12.86 | +05 18 39.7 | | 4 809 | 1993 TF ₃₄ | 1993 10 21.18611 | 01 52 33.25 | +04 54 57.9 | 18.0 | 4 809 |
| 1993 TL ₃₁ | 1993 10 21.18611 | 01 41 51.66 | +04 29 26.3 | 18.4 | 4 809 | 1993 TF ₃₄ | 1993 10 21.19931 | 01 52 32.46 | +04 54 54.1 | | 4 809 |
| 1993 TL ₃₁ | 1993 10 21.19931 | 01 41 50.82 | +04 29 23.2 | | 4 809 | 1993 TF ₃₄ | 1993 10 21.21250 | 01 52 31.59 | +04 54 50.1 | | 4 809 |
| 1993 TL ₃₁ | 1993 10 21.21250 | 01 41 49.86 | +04 29 19.0 | | 4 809 | 1993 TJ ₃₄ | 1993 10 21.18611 | 01 54 11.63 | +05 12 35.0 | 18.6 | 4 809 |
| 1993 TN ₃₁ | 1993 10 21.18611 | 01 43 12.56 | +04 41 50.2 | 18.5 | 4 809 | 1993 TJ ₃₄ | 1993 10 21.19931 | 01 54 10.92 | +05 12 30.3 | | 4 809 |
| 1993 TN ₃₁ | 1993 10 21.19931 | 01 43 11.86 | +04 41 49.2 | | 4 809 | 1993 TJ ₃₄ | 1993 10 21.21250 | 01 54 10.12 | +05 12 25.6 | | 4 809 |
| 1993 TN ₃₁ | 1993 10 21.21250 | 01 43 10.98 | +04 41 47.5 | | 4 809 | 1993 TM ₃₄ | 1993 10 21.18611 | 01 51 24.72 | +04 58 50.4 | 18.4 | 4 809 |
| 1993 TO ₃₁ | 1993 10 21.18611 | 01 41 04.02 | +04 28 44.8 | 18.0 | 4 809 | 1993 TM ₃₄ | 1993 10 21.19931 | 01 51 23.76 | +04 58 50.8 | | 4 809 |
| 1993 TO ₃₁ | 1993 10 21.19931 | 01 41 03.10 | +04 28 44.2 | | 4 809 | 1993 TM ₃₄ | 1993 10 21.21250 | 01 51 22.92 | +04 58 49.4 | | 4 809 |
| 1993 TO ₃₁ | 1993 10 21.21250 | 01 41 02.22 | +04 28 43.4 | | 4 809 | 2113 P-L | 1993 03 21.21493 | 12 34 41.56 | -07 06 06.5 | 18.7 | 7 809 |
| 1993 TS ₃₁ | 1993 10 21.18611 | 01 45 42.73 | +04 57 23.2 | 18.5 | 4 809 | 2113 P-L | 1993 03 22.20660 | 12 33 53.70 | -07 00 18.6 | 19.2 | 7 809 |
| 1993 TS ₃₁ | 1993 10 21.19931 | 01 45 41.92 | +04 57 17.7 | | 4 809 | 4004 P-L | 1993 03 21.21493 | 12 37 14.74 | -07 55 20.9 | 17.9 | 7 809 |
| 1993 TS ₃₁ | 1993 10 21.21250 | 01 45 41.27 | +04 57 13.1 | | 4 809 | 4004 P-L | 1993 03 22.20660 | 12 36 22.69 | -07 52 08.1 | 17.5 | 7 809 |
| 1993 TU ₃₁ | 1993 10 21.18611 | 01 46 55.66 | +04 51 10.2 | 18.5 | 4 809 | 4004 P-L | 1993 03 26.11354 | 12 32 53.70 | -07 38 38.5 | 18.1 | 7 809 |
| 1993 TU ₃₁ | 1993 10 21.19931 | 01 46 55.06 | +04 51 05.5 | | 4 809 | 4015 P-L | 1993 03 21.21493 | 12 49 19.75 | -07 54 15.8 | 17.9 | 7 809 |
| 1993 TU ₃₁ | 1993 10 21.21250 | 01 46 54.51 | +04 51 01.8 | | 4 809 | 4015 P-L | 1993 03 22.20660 | 12 48 27.68 | -07 49 33.8 | 18.3 | 7 809 |
| 1993 TX ₃₁ | 1993 10 21.18611 | 01 46 13.59 | +04 23 24.2 | 18.4 | 4 809 | 4015 P-L | 1993 03 26.20174 | 12 44 50.92 | -07 29 37.0 | 18.1 | 7 809 |
| 1993 TX ₃₁ | 1993 10 21.19931 | 01 46 12.87 | +04 23 19.4 | | 4 809 | 4024 P-L | 1993 03 21.12743 | 12 32 36.25 | -08 18 15.1 | 17.8 | 7 809 |
| 1993 TX ₃₁ | 1993 10 21.21250 | 01 46 12.13 | +04 23 15.6 | | 4 809 | 4024 P-L | 1993 03 22.12465 | 12 31 46.64 | -08 13 32.9 | 17.9 | 7 809 |
| 1993 TZ ₃₁ | 1993 10 21.18611 | 01 43 10.57 | +04 21 46.1 | 18.4 | 4 809 | 4024 P-L | 1993 03 26.11354 | 12 28 24.40 | -07 53 47.1 | 18.1 | 7 809 |
| 1993 TZ ₃₁ | 1993 10 21.19931 | 01 43 09.74 | +04 21 44.1 | | 4 809 | 4559 P-L | 1993 03 21.30174 | 13 14 34.99 | -07 36 24.6 | 20.3 | 7 809 |
| 1993 TZ ₃₁ | 1993 10 21.21250 | 01 43 08.88 | +04 21 42.6 | | 4 809 | 4559 P-L | 1993 03 22.29549 | 13 13 58.27 | -07 32 33.9 | 19.6 | 7 809 |
| 1993 TE ₃₂ | 1993 10 21.18611 | 01 46 39.64 | +04 58 15.4 | 18.2 | 4 809 | 6048 P-L | 1993 03 19.15104 | 12 16 07.33 | -04 51 52.0 | 16.7 | 7 809 |
| 1993 TE ₃₂ | 1993 10 21.19931 | 01 46 38.88 | +04 58 13.3 | | 4 809 | 6048 P-L | 1993 03 20.15382 | 12 15 09.68 | -04 47 46.2 | 16.2 | 7 809 |
| 1993 TE ₃₂ | 1993 10 21.21250 | 01 46 38.13 | +04 58 10.7 | | 4 809 | 6568 P-L | 1993 03 19.15104 | 12 15 20.98 | -01 55 37.5 | 16.7 | 7 809 |

| | | | | | | | | | | | |
|----------|------------------|-------------|-------------|------|-------|--------|------------------|-------------|-------------|------|-------|
| 6568 P-L | 1993 03 20.15382 | 12 14 18.81 | -01 51 18.1 | 16.2 | 7 809 | (656) | 1993 03 26.32604 | 13 09 57.45 | -07 16 48.3 | 14.5 | 7 809 |
| 9521 P-L | 1993 03 19.21875 | 12 45 17.73 | -01 41 01.0 | 17.0 | 7 809 | (656) | 1993 03 27.25452 | 13 09 18.28 | -07 12 37.1 | 15.3 | 7 809 |
| 9521 P-L | 1993 03 20.23368 | 12 44 22.02 | -01 34 19.7 | 17.3 | 7 809 | (750) | 1993 03 17.19062 | 12 48 16.17 | +01 53 34.5 | 14.3 | 7 809 |
| 9521 P-L | 1993 03 24.19965 | 12 40 38.70 | -01 07 56.9 | 17.6 | 7 809 | (750) | 1993 03 18.21840 | 12 47 24.48 | +01 58 52.3 | 14.5 | 7 809 |
| 9538 P-L | 1993 03 19.21875 | 12 47 04.87 | -03 38 32.2 | 17.9 | 7 809 | (750) | 1993 03 23.20451 | 12 43 02.22 | +02 24 21.7 | 14.4 | 7 809 |
| 9538 P-L | 1993 03 20.23368 | 12 46 12.32 | -03 31 58.5 | 17.3 | 7 809 | (892) | 1993 03 17.27465 | 12 57 10.17 | +00 55 08.2 | 15.3 | 7 809 |
| 9570 P-L | 1993 03 17.10660 | 12 29 02.09 | +03 20 50.3 | 17.5 | 7 809 | (892) | 1993 03 18.30104 | 12 56 35.03 | +01 05 34.6 | 15.3 | 7 809 |
| 9570 P-L | 1993 03 18.13507 | 12 28 12.09 | +03 26 49.3 | 17.7 | 7 809 | (892) | 1993 03 23.20451 | 12 53 39.37 | +01 55 42.5 | 14.4 | 7 809 |
| 9570 P-L | 1993 03 23.12188 | 12 24 02.91 | +03 55 34.9 | 17.9 | 7 809 | (892) | 1993 03 23.28576 | 12 53 36.32 | +01 56 32.2 | 14.5 | 7 809 |
| 2259 T-1 | 1993 03 19.32187 | 12 57 37.72 | -00 34 08.8 | 18.1 | 7 809 | (904) | 1993 03 21.12743 | 12 31 54.25 | -08 18 06.5 | 15.3 | 7 809 |
| 2259 T-1 | 1993 03 20.31424 | 12 56 57.63 | -00 28 50.5 | 18.4 | 7 809 | (904) | 1993 03 22.12465 | 12 31 13.37 | -08 09 22.8 | 15.3 | 7 809 |
| 2259 T-1 | 1993 03 23.28576 | 12 54 54.60 | -00 12 47.6 | 17.9 | 7 809 | (904) | 1993 03 26.11354 | 12 28 27.50 | -07 33 28.9 | 15.5 | 7 809 |
| 2259 T-1 | 1993 03 24.19965 | 12 54 15.66 | -00 08 00.5 | 17.6 | 7 809 | (962) | 1993 03 17.10660 | 12 12 45.82 | +00 57 55.0 | 15.9 | 7 809 |
| 4298 T-1 | 1993 03 19.32187 | 13 03 27.23 | -02 04 13.3 | 18.1 | 7 809 | (962) | 1993 03 18.13507 | 12 11 59.26 | +01 03 36.5 | 16.0 | 7 809 |
| 4298 T-1 | 1993 03 20.31424 | 13 02 41.38 | -01 57 36.2 | 16.7 | 7 809 | (964) | 1993 03 17.10660 | 12 23 55.29 | +04 23 23.8 | 15.0 | 7 809 |
| 4298 T-1 | 1993 03 24.28090 | 12 59 27.83 | -01 30 30.4 | 17.9 | 7 809 | (964) | 1993 03 18.13507 | 12 23 06.52 | +04 26 55.7 | 15.2 | 7 809 |
| 4393 T-1 | 1993 03 19.21875 | 12 44 44.29 | -00 41 28.4 | 17.0 | 7 809 | (964) | 1993 03 23.12188 | 12 19 07.14 | +04 43 29.7 | 15.3 | 7 809 |
| 4393 T-1 | 1993 03 20.23368 | 12 44 01.93 | -00 36 28.8 | 17.3 | 7 809 | (1003) | 1993 03 19.21875 | 12 35 26.59 | -01 42 03.0 | 15.3 | 7 809 |
| 4393 T-1 | 1993 03 24.19965 | 12 41 11.34 | -00 16 46.8 | 16.8 | 7 809 | (1003) | 1993 03 20.23368 | 12 34 42.80 | -01 36 49.2 | 15.6 | 7 809 |
| 2155 T-2 | 1993 03 21.30174 | 13 06 37.91 | -06 17 42.2 | 17.7 | 7 809 | (1003) | 1993 03 24.11771 | 12 31 51.73 | -01 16 39.5 | 15.3 | 7 809 |
| 2155 T-2 | 1993 03 22.29549 | 13 05 53.86 | -06 10 26.4 | 17.9 | 7 809 | (1027) | 1993 03 21.30174 | 12 59 48.38 | -05 41 51.9 | 16.0 | 7 809 |
| 2155 T-2 | 1993 03 26.32604 | 13 02 43.85 | -05 39 41.1 | 17.9 | 7 809 | (1027) | 1993 03 22.29549 | 12 59 07.00 | -05 37 59.1 | 16.2 | 7 809 |
| 2155 T-2 | 1993 03 27.25452 | 13 01 58.25 | -05 32 23.8 | 17.9 | 7 809 | (1027) | 1993 03 24.28090 | 12 57 42.04 | -05 29 56.0 | 16.2 | 7 809 |
| 4019 T-3 | 1993 03 19.21875 | 12 54 02.78 | -02 47 00.5 | 17.9 | 7 809 | (1059) | 1993 03 21.21493 | 12 49 06.42 | -08 43 41.2 | 14.5 | 7 809 |
| 4019 T-3 | 1993 03 20.23368 | 12 53 18.40 | -02 40 33.8 | 17.3 | 7 809 | (1059) | 1993 03 22.20660 | 12 48 23.08 | -08 35 37.0 | 14.9 | 7 809 |
| 4019 T-3 | 1993 03 24.19965 | 12 50 19.12 | -02 14 55.7 | 17.6 | 7 809 | (1059) | 1993 03 26.20174 | 12 45 22.00 | -08 01 48.0 | 14.8 | 7 809 |
| 4094 T-3 | 1993 10 21.18611 | 01 37 07.74 | +04 51 47.1 | 18.3 | 4 809 | (1080) | 1993 03 19.15104 | 12 28 17.03 | -03 21 05.7 | 15.9 | 7 809 |
| 4094 T-3 | 1993 10 21.19931 | 01 37 06.97 | +04 51 44.8 | | 4 809 | (1080) | 1993 03 20.15382 | 12 27 17.52 | -03 16 29.0 | 16.2 | 7 809 |
| 4094 T-3 | 1993 10 21.21250 | 01 37 06.19 | +04 51 41.4 | | 4 809 | (1080) | 1993 03 24.11771 | 12 23 20.18 | -02 57 57.6 | 15.3 | 7 809 |
| (289) | 1993 03 19.21875 | 12 52 37.53 | -04 22 52.7 | 16.2 | 7 809 | (1085) | 1993 03 23.28576 | 13 13 52.50 | +00 25 22.8 | 15.3 | 7 809 |
| (289) | 1993 03 20.23368 | 12 51 55.85 | -04 16 55.3 | 15.6 | 7 809 | (1150) | 1993 03 21.21493 | 12 53 07.16 | -06 55 50.1 | 16.2 | 7 809 |
| (289) | 1993 03 24.19965 | 12 49 08.57 | -03 53 15.2 | 15.9 | 7 809 | (1150) | 1993 03 22.20660 | 12 52 12.85 | -06 49 27.4 | 15.8 | 7 809 |
| (302) | 1993 03 21.30174 | 13 14 10.99 | -08 20 32.0 | 15.2 | 7 809 | (1150) | 1993 03 26.20174 | 12 48 26.56 | -06 22 44.1 | 15.6 | 7 809 |
| (302) | 1993 03 22.29549 | 13 13 20.00 | -08 16 53.0 | 15.3 | 7 809 | (1160) | 1993 03 24.11771 | 12 30 45.96 | -04 41 46.9 | 16.2 | 7 809 |
| (302) | 1993 03 26.32604 | 13 09 44.24 | -08 01 07.9 | 15.3 | 7 809 | (1327) | 1993 03 17.10660 | 12 25 33.44 | +04 59 21.4 | 15.9 | 7 809 |
| (302) | 1993 03 27.25452 | 13 08 53.08 | -07 57 19.1 | 15.3 | 7 809 | (1327) | 1993 03 18.13507 | 12 24 43.71 | +05 04 19.6 | 15.2 | 7 809 |
| (353) | 1993 03 17.19062 | 12 47 58.04 | +04 00 04.9 | 15.2 | 7 809 | (1353) | 1993 03 26.20174 | 12 53 44.43 | -10 37 46.9 | 14.8 | 7 809 |
| (353) | 1993 03 18.21840 | 12 47 06.84 | +04 06 24.2 | 14.5 | 7 809 | (1353) | 1993 03 26.32604 | 12 53 39.36 | -10 36 58.3 | 15.3 | 7 809 |
| (353) | 1993 03 23.20451 | 12 42 52.34 | +04 36 34.0 | 15.3 | 7 809 | (1403) | 1993 03 17.27465 | 12 56 15.53 | +01 48 11.6 | 16.2 | 7 809 |
| (406) | 1993 03 21.12743 | 12 32 06.67 | -08 28 42.8 | 15.3 | 7 809 | (1403) | 1993 03 18.30104 | 12 55 33.27 | +01 55 21.8 | 16.1 | 7 809 |
| (406) | 1993 03 22.12465 | 12 31 20.87 | -08 24 47.5 | 16.2 | 7 809 | (1403) | 1993 03 23.20451 | 12 52 03.41 | +02 29 49.4 | 15.3 | 7 809 |
| (406) | 1993 03 26.11354 | 12 28 14.81 | -08 08 21.4 | 15.5 | 7 809 | (1501) | 1993 03 17.10660 | 12 21 26.81 | +00 48 00.9 | 15.9 | 7 809 |
| (479) | 1993 03 17.27465 | 13 10 53.59 | +03 13 35.4 | 14.5 | 7 809 | (1501) | 1993 03 18.13507 | 12 20 30.56 | +00 52 14.4 | 16.0 | 7 809 |
| (479) | 1993 03 18.30104 | 13 10 11.17 | +03 20 40.3 | 15.3 | 7 809 | (1501) | 1993 03 23.12188 | 12 15 54.64 | +01 12 37.4 | 16.2 | 7 809 |
| (479) | 1993 03 23.28576 | 13 06 35.05 | +03 54 56.7 | 15.3 | 7 809 | (1539) | 1993 03 17.10660 | 12 12 56.14 | +00 11 19.4 | 15.9 | 7 809 |
| (551) | 1993 03 19.21875 | 12 41 03.61 | -04 25 18.8 | 15.3 | 7 809 | (1539) | 1993 03 18.13507 | 12 12 12.82 | +00 16 19.8 | 16.0 | 7 809 |
| (551) | 1993 03 20.23368 | 12 40 18.03 | -04 20 36.1 | 14.8 | 7 809 | (1577) | 1993 03 17.27465 | 12 58 50.39 | +00 29 26.8 | 16.2 | 7 809 |
| (551) | 1993 03 24.19965 | 12 37 16.17 | -04 01 45.0 | 15.1 | 7 809 | (1577) | 1993 03 18.30104 | 12 57 57.40 | +00 36 46.5 | 17.0 | 7 809 |
| (597) | 1993 03 18.30104 | 13 06 39.75 | +02 35 17.6 | 14.4 | 7 809 | (1577) | 1993 03 23.20451 | 12 53 32.76 | +01 12 05.6 | 16.1 | 7 809 |
| (597) | 1993 03 23.28576 | 13 02 26.75 | +02 50 34.8 | 14.5 | 7 809 | (1577) | 1993 03 23.28576 | 12 53 28.14 | +01 12 40.4 | 16.2 | 7 809 |
| (656) | 1993 03 21.30174 | 13 13 20.85 | -07 38 28.9 | 15.2 | 7 809 | (1684) | 1993 03 17.10660 | 12 19 54.43 | +03 40 23.9 | 15.0 | 7 809 |
| (656) | 1993 03 22.29549 | 13 12 42.14 | -07 34 21.3 | 15.3 | 7 809 | (1684) | 1993 03 18.13507 | 12 19 09.17 | +03 46 01.6 | 15.2 | 7 809 |

| | | | | | | | | | | | |
|--------|------------------|-------------|-------------|------|-------|--------|------------------|-------------|-------------|------|-------|
| (1684) | 1993 03 23.12188 | 12 15 25.47 | +04 12 57.3 | 15.3 | 7 809 | (2252) | 1993 03 27.25452 | 12 59 02.71 | -08 04 20.1 | 16.2 | 7 809 |
| (1691) | 1993 03 19.15104 | 12 14 57.54 | -01 23 41.1 | 15.9 | 7 809 | (2287) | 1993 03 17.19062 | 12 49 19.10 | +04 23 54.0 | 15.2 | 7 809 |
| (1691) | 1993 03 20.15382 | 12 14 14.78 | -01 18 49.7 | 15.3 | 7 809 | (2287) | 1993 03 18.21840 | 12 48 24.99 | +04 31 09.5 | 16.2 | 7 809 |
| (1710) | 1993 03 21.21493 | 12 39 24.75 | -06 57 47.6 | 17.0 | 7 809 | (2289) | 1993 03 21.21493 | 12 52 25.59 | -05 43 44.9 | 16.2 | 7 809 |
| (1710) | 1993 03 22.20660 | 12 38 24.94 | -06 54 33.8 | 17.5 | 7 809 | (2289) | 1993 03 22.20660 | 12 51 41.85 | -05 37 57.1 | 16.6 | 7 809 |
| (1710) | 1993 03 26.20174 | 12 34 18.50 | -06 40 42.3 | 16.4 | 7 809 | (2289) | 1993 03 24.19965 | 12 50 11.50 | -05 25 58.1 | 15.9 | 7 809 |
| (1755) | 1993 03 17.19062 | 12 35 41.77 | +03 46 46.8 | 15.2 | 7 809 | (2297) | 1993 03 19.15104 | 12 20 08.86 | -00 23 21.9 | 15.9 | 7 809 |
| (1755) | 1993 03 18.21840 | 12 35 01.67 | +03 54 51.9 | 15.3 | 7 809 | (2297) | 1993 03 20.15382 | 12 19 25.26 | -00 18 06.8 | 15.3 | 7 809 |
| (1755) | 1993 03 23.12188 | 12 31 43.76 | +04 33 13.2 | 15.3 | 7 809 | (2297) | 1993 03 23.12188 | 12 17 14.64 | -00 02 24.0 | 15.3 | 7 809 |
| (1786) | 1993 03 17.10660 | 12 13 06.39 | +03 15 30.5 | 16.7 | 7 809 | (2327) | 1993 03 20.23368 | 12 41 34.54 | -03 05 07.3 | | 7 809 |
| (1786) | 1993 03 18.13507 | 12 12 16.16 | +03 18 33.7 | 15.2 | 7 809 | (2327) | 1993 03 24.19965 | 12 38 06.65 | -02 36 28.0 | 16.8 | 7 809 |
| (1858) | 1993 03 21.30174 | 13 13 04.47 | -10 27 35.7 | 16.0 | 7 809 | (2373) | 1993 03 17.19062 | 12 52 22.74 | +04 20 01.9 | 16.0 | 7 809 |
| (1858) | 1993 03 22.29549 | 13 12 21.81 | -10 23 38.4 | 17.0 | 7 809 | (2373) | 1993 03 18.21840 | 12 51 40.65 | +04 27 27.0 | 16.2 | 7 809 |
| (1858) | 1993 03 26.32604 | 13 09 19.29 | -10 06 23.2 | 16.2 | 7 809 | (2373) | 1993 03 23.20451 | 12 48 08.35 | +05 03 06.5 | 16.1 | 7 809 |
| (1858) | 1993 03 27.25452 | 13 08 35.81 | -10 02 11.1 | 16.2 | 7 809 | (2394) | 1993 03 27.25452 | 13 14 08.45 | -05 35 15.6 | | 7 809 |
| (1961) | 1993 03 19.21875 | 12 43 41.28 | -00 35 30.1 | 16.2 | 7 809 | (2417) | 1993 03 17.10660 | 12 13 35.81 | +03 39 11.8 | 15.9 | 7 809 |
| (1961) | 1993 03 20.23368 | 12 42 55.97 | -00 32 05.9 | 15.6 | 7 809 | (2417) | 1993 03 18.13507 | 12 12 48.76 | +03 44 16.0 | 15.2 | 7 809 |
| (1961) | 1993 03 24.19965 | 12 39 55.57 | -00 18 45.7 | 15.9 | 7 809 | (2441) | 1993 03 18.21840 | 12 42 59.93 | -00 12 58.8 | 16.2 | 7 809 |
| (1962) | 1993 03 21.30174 | 12 58 11.00 | -06 02 54.4 | 17.7 | 7 809 | (2441) | 1993 03 19.21875 | 12 42 09.90 | -00 06 21.5 | 17.0 | 7 809 |
| (1962) | 1993 03 22.29549 | 12 57 31.73 | -05 59 06.0 | 17.9 | 7 809 | (2441) | 1993 03 23.20451 | 12 38 45.03 | +00 20 13.4 | 17.0 | 7 809 |
| (1962) | 1993 03 26.32604 | 12 54 48.68 | -05 43 13.3 | 17.9 | 7 809 | (2463) | 1993 03 19.21875 | 12 45 21.95 | -01 53 07.0 | 16.2 | 7 809 |
| (1962) | 1993 03 27.25452 | 12 54 10.62 | -05 39 29.8 | 17.9 | 7 809 | (2463) | 1993 03 20.23368 | 12 44 36.78 | -01 42 32.1 | 16.4 | 7 809 |
| (1966) | 1993 03 17.10660 | 12 18 35.54 | +01 57 27.2 | 15.9 | 7 809 | (2463) | 1993 03 24.19965 | 12 41 35.90 | -01 00 56.2 | 15.9 | 7 809 |
| (1966) | 1993 03 18.13507 | 12 17 43.27 | +02 04 21.3 | 16.0 | 7 809 | (2503) | 1993 03 21.30174 | 13 12 53.85 | -07 51 05.3 | 17.7 | 7 809 |
| (1966) | 1993 03 23.12188 | 12 13 25.00 | +02 37 32.4 | 15.3 | 7 809 | (2503) | 1993 03 22.29549 | 13 11 56.27 | -07 47 51.2 | 17.9 | 7 809 |
| (2051) | 1993 03 21.21493 | 12 42 24.48 | -05 33 09.4 | 17.0 | 7 809 | (2503) | 1993 03 26.32604 | 13 07 53.48 | -07 33 52.6 | 17.9 | 7 809 |
| (2051) | 1993 03 22.20660 | 12 41 39.28 | -05 28 06.4 | 15.8 | 7 809 | (2503) | 1993 03 27.25452 | 13 06 56.11 | -07 30 28.5 | 17.9 | 7 809 |
| (2051) | 1993 03 24.19965 | 12 40 07.32 | -05 17 44.6 | 15.9 | 7 809 | (2552) | 1993 03 26.32604 | 13 13 36.52 | -08 38 04.1 | 17.9 | 7 809 |
| (2076) | 1993 03 21.21493 | 12 39 20.78 | -09 48 21.1 | 17.0 | 7 809 | (2552) | 1993 03 27.25452 | 13 12 43.46 | -08 33 11.3 | 17.9 | 7 809 |
| (2076) | 1993 03 22.20660 | 12 38 21.35 | -09 44 15.1 | 17.5 | 7 809 | (2555) | 1993 03 21.21493 | 12 53 08.29 | -07 06 23.9 | 16.2 | 7 809 |
| (2087) | 1993 03 17.19062 | 12 33 25.76 | -00 06 15.7 | 15.2 | 7 809 | (2555) | 1993 03 22.20660 | 12 52 24.17 | -07 01 57.3 | 15.8 | 7 809 |
| (2087) | 1993 03 18.13507 | 12 32 32.42 | -00 00 10.5 | 15.2 | 7 809 | (2555) | 1993 03 26.20174 | 12 49 21.62 | -06 43 23.9 | 16.4 | 7 809 |
| (2087) | 1993 03 23.12188 | 12 27 42.91 | +00 32 19.0 | 16.2 | 7 809 | (2610) | 1993 03 19.21875 | 12 35 16.85 | -04 18 51.0 | 16.2 | 7 809 |
| (2156) | 1993 03 19.32187 | 12 59 57.66 | -05 09 24.6 | 15.6 | 7 809 | (2610) | 1993 03 20.23368 | 12 34 21.77 | -04 12 34.3 | 15.6 | 7 809 |
| (2156) | 1993 03 20.31424 | 12 59 01.84 | -05 05 19.3 | 15.9 | 7 809 | (2610) | 1993 03 24.11771 | 12 30 43.15 | -03 47 35.2 | 15.3 | 7 809 |
| (2156) | 1993 03 24.28090 | 12 55 11.02 | -04 48 21.6 | 16.2 | 7 809 | (2667) | 1993 03 19.21875 | 12 37 15.89 | -01 20 22.7 | 16.2 | 7 809 |
| (2203) | 1993 03 19.21875 | 12 50 35.21 | -03 48 17.0 | 17.0 | 7 809 | (2667) | 1993 03 20.23368 | 12 36 35.11 | -01 16 06.1 | 16.4 | 7 809 |
| (2203) | 1993 03 20.23368 | 12 49 53.97 | -03 44 03.5 | 16.4 | 7 809 | (2667) | 1993 03 24.19965 | 12 33 52.62 | -00 59 11.0 | 16.8 | 7 809 |
| (2203) | 1993 03 24.19965 | 12 47 08.92 | -03 27 12.8 | 16.8 | 7 809 | (2680) | 1993 03 21.30174 | 13 08 58.93 | -07 58 19.9 | 17.7 | 7 809 |
| (2247) | 1993 03 19.21875 | 12 36 51.42 | -03 38 58.8 | 17.0 | 7 809 | (2680) | 1993 03 22.29549 | 13 08 09.06 | -07 54 08.7 | 17.9 | 7 809 |
| (2247) | 1993 03 20.23368 | 12 35 54.56 | -03 35 13.2 | 17.3 | 7 809 | (2680) | 1993 03 26.32604 | 13 04 37.96 | -07 36 13.5 | 17.0 | 7 809 |
| (2247) | 1993 03 24.11771 | 12 32 12.41 | -03 20 24.7 | 17.0 | 7 809 | (2680) | 1993 03 27.25452 | 13 03 47.93 | -07 31 54.7 | 17.0 | 7 809 |
| (2249) | 1993 03 19.21875 | 12 48 01.78 | -01 01 49.7 | 16.2 | 7 809 | (2697) | 1993 03 21.21493 | 12 45 08.26 | -09 59 34.5 | 16.2 | 7 809 |
| (2249) | 1993 03 20.23368 | 12 47 21.66 | -00 56 09.3 | 15.6 | 7 809 | (2697) | 1993 03 22.20660 | 12 44 30.74 | -09 55 55.2 | 15.8 | 7 809 |
| (2249) | 1993 03 24.19965 | 12 44 40.17 | -00 33 42.8 | 15.9 | 7 809 | (2697) | 1993 03 26.20174 | 12 41 56.50 | -09 40 32.6 | 15.6 | 7 809 |
| (2251) | 1993 03 21.30174 | 12 58 54.28 | -06 43 13.3 | 16.0 | 7 809 | (2706) | 1993 03 17.27465 | 13 12 01.63 | +04 15 04.1 | 15.3 | 7 809 |
| (2251) | 1993 03 22.29549 | 12 58 11.24 | -06 36 47.5 | 17.0 | 7 809 | (2706) | 1993 03 18.30104 | 13 11 17.62 | +04 18 26.9 | 15.3 | 7 809 |
| (2251) | 1993 03 26.32604 | 12 55 11.25 | -06 10 01.2 | 16.2 | 7 809 | (2706) | 1993 03 23.28576 | 13 07 32.12 | +04 34 36.4 | 16.2 | 7 809 |
| (2251) | 1993 03 27.25452 | 12 54 29.07 | -06 03 43.6 | 16.2 | 7 809 | (2722) | 1993 03 19.21875 | 12 49 51.91 | -03 07 18.4 | 17.0 | 7 809 |
| (2252) | 1993 03 21.30174 | 13 04 03.92 | -08 25 30.0 | 16.0 | 7 809 | (2722) | 1993 03 20.23368 | 12 49 11.38 | -03 02 24.9 | 16.4 | 7 809 |
| (2252) | 1993 03 22.29549 | 13 03 15.29 | -08 22 10.4 | 16.2 | 7 809 | (2722) | 1993 03 24.19965 | 12 46 27.07 | -02 42 45.2 | 16.8 | 7 809 |
| (2252) | 1993 03 26.32604 | 12 59 50.87 | -08 07 48.7 | 16.2 | 7 809 | (2739) | 1993 03 21.21493 | 12 52 39.55 | -07 39 11.9 | 16.2 | 7 809 |

| | | | | | | | | | | | |
|--------|------------------|-------------|-------------|------|-------|--------|------------------|-------------|-------------|------|-------|
| (2739) | 1993 03 22.20660 | 12 51 49.75 | -07 34 12.1 | 16.6 | 7 809 | (3991) | 1993 03 26.11354 | 12 21 38.60 | -10 02 00.2 | 15.5 | 7 809 |
| (2739) | 1993 03 26.20174 | 12 48 21.81 | -07 13 02.5 | 15.6 | 7 809 | (4023) | 1993 03 21.12743 | 12 30 48.65 | -06 13 45.9 | 16.1 | 7 809 |
| (2783) | 1993 03 19.15104 | 12 30 32.00 | -03 34 48.3 | 17.5 | 7 809 | (4023) | 1993 03 22.12465 | 12 29 51.70 | -06 07 28.8 | 17.0 | 7 809 |
| (2783) | 1993 03 20.15382 | 12 29 41.86 | -03 29 13.6 | 16.2 | 7 809 | (4023) | 1993 03 26.11354 | 12 25 59.67 | -05 41 29.4 | 16.4 | 7 809 |
| (2786) | 1993 03 19.15104 | 12 26 23.61 | -00 38 48.5 | 16.7 | 7 809 | (4025) | 1993 03 19.21875 | 12 38 00.08 | -00 44 01.5 | 17.0 | 7 809 |
| (2786) | 1993 03 20.15382 | 12 25 25.77 | -00 36 20.9 | 16.2 | 7 809 | (4025) | 1993 03 20.23368 | 12 37 04.00 | -00 36 43.9 | 17.3 | 7 809 |
| (2786) | 1993 03 24.11771 | 12 21 35.75 | -00 26 40.4 | 17.0 | 7 809 | (4025) | 1993 03 23.20451 | 12 34 16.76 | -00 15 09.3 | 17.0 | 7 809 |
| (2921) | 1993 03 19.32187 | 12 59 09.95 | -04 54 17.1 | 19.8 | 7 809 | (4025) | 1993 03 24.19965 | 12 33 20.16 | -00 08 03.0 | 16.8 | 7 809 |
| (2921) | 1993 03 20.31424 | 12 58 32.44 | -04 50 00.6 | 17.5 | 7 809 | (4081) | 1993 03 21.30174 | 13 13 01.70 | -10 32 56.3 | 16.9 | 7 809 |
| (2921) | 1993 03 24.28090 | 12 55 57.34 | -04 32 29.4 | 17.9 | 7 809 | (4081) | 1993 03 22.29549 | 13 12 15.27 | -10 28 25.1 | 17.0 | 7 809 |
| (2946) | 1993 03 26.32604 | 13 13 17.75 | -08 33 04.2 | 17.0 | 7 809 | (4081) | 1993 03 26.32604 | 13 08 55.90 | -10 08 36.8 | 16.2 | 7 809 |
| (2946) | 1993 03 27.25452 | 13 12 28.82 | -08 28 19.3 | 17.0 | 7 809 | (4081) | 1993 03 27.25452 | 13 08 08.23 | -10 03 45.9 | 17.0 | 7 809 |
| (2994) | 1993 03 19.15104 | 12 27 40.75 | -03 25 15.6 | 17.5 | 7 809 | (4092) | 1993 03 21.12743 | 12 30 23.15 | -08 59 28.2 | 17.8 | 7 809 |
| (2994) | 1993 03 20.15382 | 12 26 45.26 | -03 20 14.3 | 17.0 | 7 809 | (4092) | 1993 03 22.12465 | 12 29 34.68 | -08 54 20.7 | 17.9 | 7 809 |
| (2994) | 1993 03 24.11771 | 12 23 01.24 | -02 59 49.9 | 17.0 | 7 809 | (4092) | 1993 03 26.11354 | 12 26 18.11 | -08 33 03.7 | 18.1 | 7 809 |
| (3117) | 1993 03 17.10660 | 12 15 55.33 | +03 34 53.8 | 15.9 | 7 809 | (4155) | 1993 03 17.10660 | 12 24 33.28 | -00 06 20.4 | 16.7 | 7 809 |
| (3117) | 1993 03 18.13507 | 12 15 06.91 | +03 40 27.3 | 16.9 | 7 809 | (4155) | 1993 03 18.13507 | 12 23 36.74 | -00 01 44.9 | 16.9 | 7 809 |
| (3132) | 1993 03 17.19062 | 12 42 32.60 | +01 48 33.9 | 16.0 | 7 809 | (4155) | 1993 03 23.12188 | 12 18 57.37 | +00 20 43.0 | 17.0 | 7 809 |
| (3132) | 1993 03 18.21840 | 12 41 51.55 | +01 53 46.6 | 15.3 | 7 809 | (4176) | 1993 03 20.31424 | 13 15 30.91 | -03 55 51.4 | 16.7 | 7 809 |
| (3132) | 1993 03 23.20451 | 12 38 26.41 | +02 19 01.5 | 16.1 | 7 809 | (4176) | 1993 03 24.28090 | 13 12 49.99 | -03 36 55.9 | 16.2 | 7 809 |
| (3157) | 1993 03 17.19062 | 12 33 29.06 | +03 33 44.3 | 16.0 | 7 809 | (4192) | 1993 03 19.15104 | 12 28 34.39 | -03 26 26.9 | 16.7 | 7 809 |
| (3157) | 1993 03 18.13507 | 12 32 48.50 | +03 37 20.6 | 15.2 | 7 809 | (4192) | 1993 03 20.15382 | 12 27 52.90 | -03 21 55.5 | 16.2 | 7 809 |
| (3157) | 1993 03 23.12188 | 12 29 09.10 | +03 56 12.5 | 16.2 | 7 809 | (4192) | 1993 03 24.11771 | 12 25 06.25 | -03 03 43.2 | 16.2 | 7 809 |
| (3168) | 1993 03 17.10660 | 12 21 12.92 | +04 05 44.4 | 15.9 | 7 809 | (4220) | 1993 03 21.21493 | 12 37 12.50 | -10 32 08.8 | 16.2 | 7 809 |
| (3168) | 1993 03 18.13507 | 12 20 21.80 | +04 08 45.7 | 16.0 | 7 809 | (4220) | 1993 03 22.20660 | 12 36 25.98 | -10 25 30.3 | 17.5 | 7 809 |
| (3168) | 1993 03 23.12188 | 12 16 09.99 | +04 23 00.2 | 16.2 | 7 809 | (4220) | 1993 03 26.20174 | 12 33 15.68 | -09 57 44.3 | 16.4 | 7 809 |
| (3329) | 1993 03 17.10660 | 12 14 19.97 | +01 55 12.6 | 15.9 | 7 809 | (4250) | 1993 03 24.28090 | 13 13 35.26 | -05 00 24.0 | 17.0 | 7 809 |
| (3329) | 1993 03 18.13507 | 12 13 26.94 | +01 57 44.4 | 15.2 | 7 809 | (4262) | 1993 03 17.27465 | 12 55 35.59 | +04 45 54.6 | 17.0 | 7 809 |
| (3402) | 1993 03 19.15104 | 12 25 25.58 | -03 36 16.5 | 17.5 | 7 809 | (4262) | 1993 03 18.30104 | 12 54 45.94 | +04 54 42.0 | 16.1 | 7 809 |
| (3402) | 1993 03 20.15382 | 12 24 18.85 | -03 31 54.8 | 17.0 | 7 809 | (4310) | 1993 03 19.32187 | 13 00 48.47 | -05 20 18.9 | 15.6 | 7 809 |
| (3402) | 1993 03 24.11771 | 12 19 47.57 | -03 13 51.2 | 17.9 | 7 809 | (4310) | 1993 03 20.31424 | 13 00 01.67 | -05 12 40.5 | 16.7 | 7 809 |
| (3555) | 1993 03 19.21875 | 12 52 57.72 | -00 57 25.7 | 17.0 | 809 | (4310) | 1993 03 24.28090 | 12 56 43.87 | -04 40 59.4 | 16.2 | 7 809 |
| (3555) | 1993 03 20.23368 | 12 52 08.51 | -00 53 54.6 | 17.3 | 809 | (4470) | 1993 03 19.21875 | 12 36 32.36 | -00 32 28.8 | 17.0 | 7 809 |
| (3555) | 1993 03 24.19965 | 12 48 49.92 | -00 40 09.0 | 16.8 | 809 | (4470) | 1993 03 20.23368 | 12 35 50.01 | -00 27 28.4 | 16.4 | 7 809 |
| (3718) | 1993 03 17.19062 | 12 42 28.77 | +01 02 19.6 | 15.2 | 7 809 | (4470) | 1993 03 23.20451 | 12 33 44.08 | -00 12 34.5 | 16.1 | 7 809 |
| (3718) | 1993 03 18.21840 | 12 41 39.76 | +01 07 39.4 | 16.2 | 7 809 | (4502) | 1993 03 17.27465 | 13 04 47.84 | +00 22 18.5 | 15.3 | 7 809 |
| (3718) | 1993 03 23.20451 | 12 37 32.48 | +01 33 40.5 | 16.1 | 7 809 | (4502) | 1993 03 18.30104 | 13 04 10.65 | +00 33 46.0 | 16.1 | 7 809 |
| (3740) | 1993 03 21.30174 | 13 00 40.14 | -09 11 53.0 | 17.7 | 7 809 | (4502) | 1993 03 23.28576 | 13 00 56.75 | +01 29 59.1 | 15.3 | 7 809 |
| (3740) | 1993 03 22.29549 | 12 59 46.02 | -09 08 15.6 | 17.9 | 7 809 | (4550) | 1993 03 19.15104 | 12 25 13.78 | -02 38 15.6 | 16.7 | 7 809 |
| (3740) | 1993 03 26.32604 | 12 56 00.82 | -08 52 41.8 | 18.7 | 7 809 | (4550) | 1993 03 20.15382 | 12 24 30.91 | -02 33 41.4 | 17.0 | 7 809 |
| (3740) | 1993 03 27.25452 | 12 55 08.29 | -08 48 57.3 | 17.9 | 7 809 | (4550) | 1993 03 24.11771 | 12 21 38.89 | -02 15 23.4 | 17.0 | 7 809 |
| (3780) | 1993 03 17.10660 | 12 20 02.78 | +00 33 25.6 | 15.9 | 7 809 | (4590) | 1993 03 17.27465 | 12 55 35.79 | +01 30 23.6 | 15.3 | 7 809 |
| (3780) | 1993 03 18.13507 | 12 19 16.23 | +00 39 19.9 | 15.2 | 7 809 | (4590) | 1993 03 18.30104 | 12 55 04.68 | +01 45 38.3 | 15.3 | 7 809 |
| (3780) | 1993 03 23.12188 | 12 15 26.15 | +01 08 04.0 | 16.2 | 7 809 | (4590) | 1993 03 23.20451 | 12 52 20.33 | +02 59 33.1 | 14.4 | 7 809 |
| (3833) | 1993 03 17.19062 | 12 42 00.11 | +00 31 56.4 | 18.6 | 7 809 | (4646) | 1993 03 19.15104 | 12 21 10.41 | -03 59 24.2 | 17.5 | 7 809 |
| (3833) | 1993 03 18.21840 | 12 41 06.34 | +00 41 32.4 | 18.7 | 7 809 | (4646) | 1993 03 20.15382 | 12 20 15.27 | -03 54 12.6 | 17.9 | 7 809 |
| (3833) | 1993 03 23.20451 | 12 36 36.24 | +01 28 27.8 | 19.5 | 7 809 | (4646) | 1993 03 24.11771 | 12 16 33.95 | -03 33 05.7 | 17.0 | 7 809 |
| (3852) | 1993 03 19.15104 | 12 30 47.89 | -05 02 57.7 | 16.7 | 7 809 | (4657) | 1993 03 21.30174 | 13 04 28.83 | -06 57 37.9 | 17.7 | 7 809 |
| (3852) | 1993 03 20.15382 | 12 30 05.96 | -04 58 30.4 | 16.2 | 7 809 | (4657) | 1993 03 22.29549 | 13 03 48.80 | -06 53 35.2 | 17.9 | 7 809 |
| (3852) | 1993 03 24.11771 | 12 27 17.69 | -04 40 29.8 | 16.2 | 7 809 | (4657) | 1993 03 26.32604 | 13 01 01.48 | -06 36 39.1 | 17.9 | 7 809 |
| (3991) | 1993 03 21.12743 | 12 26 35.87 | -10 27 35.0 | 16.1 | 7 809 | (4657) | 1993 03 27.25452 | 13 00 22.22 | -06 32 38.7 | 17.9 | 7 809 |
| (3991) | 1993 03 22.12465 | 12 25 37.68 | -10 22 49.1 | 16.2 | 7 809 | (4681) | 1993 03 17.19062 | 12 49 36.02 | +04 11 12.3 | 16.9 | 7 809 |

| | | | | | |
|--------|------------------|-------------|-------------|------|-----|
| (2258) | 1994 04 09.09639 | 08 37 47.47 | +17 48 18.3 | | 816 |
| (2258) | 1994 04 09.09821 | 08 37 47.60 | +17 48 17.0 | | 816 |
| (2604) | 1994 04 23.28950 | 15 47 04.20 | +10 08 32.3 | 15.1 | 816 |
| (2604) | 1994 04 23.29167 | 15 47 04.14 | +10 08 33.3 | 15.3 | 816 |
| (2604) | 1994 04 23.29597 | 15 47 03.98 | +10 08 35.1 | 15.2 | 816 |
| (2604) | 1994 04 23.29697 | 15 47 03.93 | +10 08 35.6 | 15.2 | 816 |

817 Sudbury

D. di Cicco, Sky & Telescope, Cambridge, MA 02138, U.S.A.

0.28-m Schmidt-Cassegrain + CCD

GSC

| | | | | | |
|---------|------------------|-------------|-------------|------|-----|
| 1994 GY | 1994 04 19.13235 | 13 30 11.42 | -01 50 58.1 | 16.0 | 817 |
| 1994 GY | 1994 04 19.13520 | 13 30 11.29 | -01 51 05.4 | 18.2 | 817 |
| 1994 GY | 1994 04 19.13732 | 13 30 11.07 | -01 51 11.8 | 15.8 | 817 |
| 1994 GY | 1994 04 19.14252 | 13 30 10.90 | -01 51 26.5 | 15.9 | 817 |
| 1994 GY | 1994 04 23.20855 | 13 28 37.37 | -05 25 59.5 | 15.6 | 817 |

871 Akou

K. Kawanishi, 2045-1, Kariya, Akou, Hyogo-Ken 678-02, Japan

0.33-m $f/3.3$ reflector + CCD

GSC

| | | | | | |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1994 EQ ₃ | 1994 04 14.65231 | 12 55 08.21 | +02 58 38.5 | 16.3 V | 871 |
| 1994 EQ ₃ | 1994 04 14.65873 | 12 55 07.97 | +02 58 40.1 | | 871 |
| 1994 EQ ₃ | 1994 04 14.66378 | 12 55 07.74 | +02 58 41.7 | | 871 |
| 1994 GY | 1994 04 17.67589 | 13 30 44.79 | -00 38 29.9 | 15.9 V | 871 |
| 1994 GY | 1994 04 17.68203 | 13 30 44.45 | -00 38 48.5 | | 871 |
| 1994 GY | 1994 04 17.68938 | 13 30 44.33 | -00 39 09.7 | | 871 |

887 Ojima

T. Urata, Shiinoki House 203, 28-6, Chuo 3 Chome, Nakano-Ku, Tokyo 164, Japan

Observer T. Nijjima

Measurer T. Urata

0.30-m $f/5.8$ reflector + CCD

GSC

| | | | | | |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1992 UB ₂ | 1994 03 05.72101 | 11 31 01.75 | +04 35 21.1 | 17 V | 887 |
| 1992 UB ₂ | 1994 03 05.73260 | 11 31 01.13 | +04 35 26.4 | | 887 |
| 1992 YL | 1994 03 11.64479 | 11 18 11.34 | +28 04 33.7 | 16.8 V | 887 |
| 1992 YL | 1994 03 11.65081 | 11 18 11.02 | +28 04 34.6 | | 887 |
| 1992 YL | 1994 03 11.66292 | 11 18 10.38 | +28 04 37.7 | | 887 |

893 Sendai Astronomical Observatory

M. Koishikawa, 1-1, Sakuragaoka Koen, Aoba-Ku, Sendai 980, Japan

Observer K. Cross, N. Ossaka

0.41-m $f/5.2$ reflector + CCD

GSC

| | | | | | |
|---------|------------------|-------------|-------------|------|-----|
| 1994 GY | 1994 04 15.66543 | 13 31 32.52 | +00 57 10.9 | 16.0 | 893 |
| 1994 GY | 1994 04 15.67264 | 13 31 32.28 | +00 56 51.0 | | 893 |
| 1994 GY | 1994 04 15.67797 | 13 31 32.09 | +00 56 36.1 | | 893 |
| 1994 GY | 1994 04 15.68542 | 13 31 31.85 | +00 56 15.4 | | 893 |
| 1994 GY | 1994 04 16.65506 | 13 31 09.12 | +00 10 42.9 | | 893 |
| 1994 GY | 1994 04 16.65958 | 13 31 08.97 | +00 10 30.1 | | 893 |
| 1994 GY | 1994 04 16.66323 | 13 31 08.84 | +00 10 19.9 | | 893 |
| 1994 GY | 1994 04 16.66677 | 13 31 08.75 | +00 10 09.5 | | 893 |
| 1994 GY | 1994 04 16.67433 | 13 31 08.60 | +00 09 49.0 | | 893 |

| | | | | | |
|---------|------------------|-------------|-------------|--|-----|
| 1994 GY | 1994 04 17.65204 | 13 30 45.38 | -00 37 20.8 | | 893 |
| 1994 GY | 1994 04 17.65583 | 13 30 45.23 | -00 37 31.7 | | 893 |
| 1994 GY | 1994 04 17.66207 | 13 30 45.05 | -00 37 50.4 | | 893 |
| 1994 GY | 1994 04 17.66691 | 13 30 44.88 | -00 38 04.5 | | 893 |

894 Otomo

S. Otomo, Kiyosato 3545-3902, Takane-cho, Kitakoma-gun, Yamanashi-Ken, 407-03, Japan

0.25-m $f/3.4$ reflector

PPM

| | | | | | |
|----------------------|--------------------|-------------|-------------|------|-----|
| 1981 SQ ₂ | 1994 04 14.64132 | 13 42 05.12 | -11 16 00.8 | 17.0 | 894 |
| 1981 SQ ₂ | 1994 04 14.65451 | 13 42 04.19 | -11 15 58.2 | | 894 |
| 1981 SQ ₂ | 1994 04 15.60243 | 13 41 05.07 | -11 12 04.3 | 17.0 | 894 |
| 1981 SQ ₂ | 1994 04 15.61565 | 13 41 04.27 | -11 12 02.6 | | 894 |
| 1989 GB ₄ | 1994 04 14.65451 | 13 42 21.91 | -12 16 52.3 | 16.8 | 894 |
| 1989 GB ₄ | 1994 04 15.60243 | 13 41 35.04 | -12 12 46.6 | | 894 |
| 1989 GB ₄ | 1994 04 15.61565 | 13 41 34.38 | -12 12 45.1 | | 894 |
| 1992 YB ₁ | 1994 04 14.64132 | 13 45 57.08 | -12 23 42.0 | 16.5 | 894 |
| 1992 YB ₁ | 1994 04 14.65451 | 13 45 56.47 | -12 23 37.5 | | 894 |
| 1992 YB ₁ | 1994 04 15.60243 | 13 45 09.16 | -12 19 46.9 | 16.7 | 894 |
| 1992 YB ₁ | 1994 04 15.61565 | 13 45 08.48 | -12 19 43.0 | | 894 |
| 1994 GO | * 1994 04 02.62222 | 12 51 38.45 | -05 23 19.4 | 17.0 | 894 |
| 1994 GO | 1994 04 02.63472 | 12 51 37.93 | -05 23 14.5 | | 894 |
| 1994 GO | 1994 04 03.59728 | 12 51 00.10 | -05 14 43.4 | | 894 |
| 1994 GO | 1994 04 03.61111 | 12 50 59.49 | -05 14 36.5 | | 894 |
| 1994 GL ₉ | * 1994 04 14.64132 | 13 38 46.40 | -12 38 58.9 | 17.0 | 894 |
| 1994 GL ₉ | 1994 04 14.65451 | 13 38 45.65 | -12 38 51.7 | | 894 |
| 1994 GL ₉ | 1994 04 15.60243 | 13 37 55.08 | -12 31 44.5 | 17.0 | 894 |
| 1994 GL ₉ | 1994 04 15.61565 | 13 37 54.32 | -12 31 38.5 | | 894 |
| 1994 GM ₉ | * 1994 04 14.64132 | 13 43 07.06 | -12 20 55.4 | 16.5 | 894 |
| 1994 GM ₉ | 1994 04 14.65451 | 13 43 06.28 | -12 20 50.6 | | 894 |
| 1994 GM ₉ | 1994 04 15.60243 | 13 42 15.25 | -12 15 47.5 | 16.2 | 894 |
| 1994 GM ₉ | 1994 04 15.61565 | 13 42 14.49 | -12 15 43.6 | | 894 |
| (1332) | 1994 04 02.62222 | 12 52 34.14 | -05 35 35.9 | | 894 |
| (1332) | 1994 04 02.63472 | 12 52 33.54 | -05 35 32.3 | | 894 |
| (1332) | 1994 04 03.59728 | 12 51 50.04 | -05 31 31.3 | | 894 |
| (1332) | 1994 04 03.61111 | 12 51 49.40 | -05 31 28.3 | | 894 |
| (2407) | 1994 04 14.64132 | 13 37 50.39 | -12 46 46.4 | | 894 |
| (2407) | 1994 04 14.65451 | 13 37 49.69 | -12 46 43.8 | | 894 |
| (2407) | 1994 04 15.60243 | 13 37 04.11 | -12 42 51.0 | | 894 |
| (2407) | 1994 04 15.61565 | 13 37 03.49 | -12 42 47.7 | | 894 |

896 Yatsugatake South Base Observatory

O. Muramatsu, 8-119-1, Sakura-zutsumi 2 Chome, Musashino, Tokyo 180, Japan

Observer Y. Kushida

Measurer O. Muramatsu

0.25-m $f/3.4$ reflector

GSC

| | | | | | |
|----------------------|------------------|-------------|-------------|---|-----|
| 1994 CK | 1994 02 18.74618 | 09 07 30.52 | +25 28 34.3 | | 896 |
| 1994 CK | 1994 02 18.77049 | 09 07 29.40 | +25 28 42.4 | | 896 |
| 1994 CK | 1994 03 04.48264 | 08 58 29.90 | +26 27 50.8 | S | 896 |
| 1994 EM ₁ | 1994 03 20.72465 | 11 53 27.86 | +08 12 15.5 | | 896 |
| 1994 EM ₁ | 1994 03 31.48854 | 11 43 43.61 | +09 05 29.2 | | 896 |

| | | | | | |
|----------------------|--------------------|-------------|-------------|------|-------|
| 1994 EM ₁ | 1994 03 31.51076 | 11 43 42.48 | +09 05 35.4 | | 896 |
| 1994 EM ₁ | 1994 04 05.52326 | 11 39 38.32 | +09 23 25.6 | | 896 |
| 1994 EM ₁ | 1994 04 05.54688 | 11 39 37.09 | +09 23 31.0 | | 896 |
| 1994 EK ₂ | 1994 03 31.49965 | 12 05 50.15 | +01 56 56.7 | | 896 |
| 1994 EK ₂ | 1994 03 31.52257 | 12 05 49.03 | +01 57 05.8 | | 896 |
| 1994 EK ₂ | 1994 04 05.55868 | 12 01 55.84 | +02 38 39.1 | | 896 |
| 1994 EQ ₃ | 1994 03 20.76233 | 13 09 02.43 | +01 10 05.4 | 16.5 | W 896 |
| 1994 EQ ₃ | 1994 04 11.57153 | 12 56 53.92 | +02 47 24.5 | 15 | 896 |
| 1994 EQ ₃ | 1994 04 11.59757 | 12 56 52.94 | +02 47 31.1 | | 896 |
| 1994 EQ ₃ | 1994 04 13.56736 | 12 55 45.39 | +02 54 48.7 | 16.5 | 896 |
| 1994 EQ ₃ | 1994 04 13.59444 | 12 55 44.14 | +02 54 55.7 | | 896 |
| 1994 GP | 1994 04 05.65278 | 13 51 22.86 | -05 21 32.1 | 16.0 | 896 |
| 1994 GP | 1994 04 05.68438 | 13 51 21.43 | -05 21 31.0 | | 896 |
| 1994 GP | 1994 04 11.58299 | 13 46 07.81 | -05 15 50.0 | | 896 |
| 1994 GP | 1994 04 11.60990 | 13 46 06.2 | -05 15 48 | | G 896 |
| 1994 GY | 1994 04 15.66181 | 13 31 32.70 | +00 57 25.4 | 15.5 | 896 |
| 1994 GY | 1994 04 15.69306 | 13 31 31.66 | +00 55 57.5 | | 896 |
| 1994 GY | 1994 04 16.64722 | 13 31 09.61 | +00 11 13.5 | 15.5 | 896 |
| 1994 GY | 1994 04 16.67153 | 13 31 08.55 | +00 10 03.3 | | 896 |
| 1994 GK ₁ | * 1994 04 14.57014 | 13 56 31.67 | +02 24 10.0 | 16.5 | 896 |
| 1994 GK ₁ | 1994 04 17.69271 | 13 54 24.18 | +02 38 03.4 | | 896 |
| 1994 GK ₁ | 1994 04 17.71644 | 13 54 23.10 | +02 38 08.4 | | 896 |
| 1994 GL ₁ | * 1994 04 14.57014 | 13 56 33.05 | +02 23 57.3 | 16.5 | 896 |
| 1994 GL ₁ | 1994 04 14.59792 | 13 56 31.63 | +02 24 10.0 | | 896 |
| 1994 GL ₁ | 1994 04 17.69271 | 13 54 21.1 | +02 40 33 | | W 896 |

897 YGCO Chiyoda Station

T. Kojima, 45 Shimonakamori, Chiyoda-cyo, Ora-Gun, Gunma-ken, 370-07 Japan
0.25-m $f/3.4$ Wright-Schmidt camera
AGK3

| | | | | | |
|---------|------------------|-------------|-------------|------|-----|
| 1994 GY | 1994 04 15.62456 | 13 31 33.93 | +00 59 05.4 | 15.8 | 897 |
| 1994 GY | 1994 04 15.62992 | 13 31 33.71 | +00 58 50.4 | | 897 |
| 1994 GY | 1994 04 15.63519 | 13 31 33.57 | +00 58 35.9 | | 897 |

900 Kiryuu Observatory, Ohtsu

Y. Ikari, Katsube 626, Moriyama, Shiga-Ken 524, Japan
0.26-m $f/2.9$ reflector + CCD
GSC

| | | | | | |
|---------|------------------|-------------|-------------|------|-------|
| 1994 GY | 1994 04 15.74522 | 13 31 30.05 | +00 53 31.0 | 15.4 | V 900 |
| 1994 GY | 1994 04 15.74857 | 13 31 29.98 | +00 53 22.3 | | 900 |
| 1994 GY | 1994 04 15.75138 | 13 31 29.81 | +00 53 13.1 | | 900 |
| 1994 GY | 1994 04 17.69593 | 13 30 43.94 | -00 39 26.6 | 15.8 | V 900 |
| 1994 GY | 1994 04 17.70148 | 13 30 43.78 | -00 39 43.9 | | 900 |
| 1994 GY | 1994 04 21.62559 | 13 29 12.53 | -04 00 24.3 | 15.7 | V 900 |
| 1994 GY | 1994 04 21.63150 | 13 29 12.35 | -04 00 43.4 | | 900 |

905 Nachi-Katsuura Observatory

T. Urata, Shiinoki House 203, 28-6, Chuo 3 Chome, Nakano-Ku, Tokyo 164, Japan
Observer Y. Shimizu
Measurer T. Urata
0.30-m $f/3.8$ hyperboloid astrocamera
GSC

| | | | | | |
|----------------------|------------------|-------------|-------------|----|-----|
| 1994 EG ₁ | 1994 04 03.48727 | 09 51 35.89 | +11 57 41.7 | 17 | 905 |
| 1994 EG ₁ | 1994 04 03.50961 | 09 51 35.91 | +11 57 49.8 | | 905 |
| (5031) | 1994 04 13.61828 | 14 14 04.52 | -10 48 52.8 | 17 | 905 |
| (5031) | 1994 04 13.63228 | 14 14 03.89 | -10 48 50.2 | | 905 |

970 Chelmsford

G. M. Hurst, 16 Westminster Close, Kempshott Rise, Basingstoke, Hants.
RG22 4PP, England

Observer N. James
0.30-m $f/5.25$ reflector
GSC

| | | | | | |
|---------|------------------|-------------|-------------|--|-----|
| 1993 UC | 1994 03 29.81452 | 08 47 58.44 | +86 24 35.8 | | 970 |
| 1993 UC | 1994 03 29.81593 | 08 48 09.61 | +86 24 31.1 | | 970 |

ORBITAL ELEMENTS

Orbital elements have been computed by the following contributors:

- C. M. Bardwell, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138, U.S.A.
E. Bowell, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001, U.S.A. (E)
D. W. E. Green, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138, U.S.A.
S. Harada, 23-9-301, Shinmori 4 Chome, Asahi-Ku, Osaka, 535 Japan
K. Ichikawa, 45 Shiromae Kamiwada-cho, Okazaki-shi, Aichi, 444-02 Japan
K. Kinoshita, 4-21, Mitakihoncho 2 Chome, Nishi-Ku, Hiroshima, 733 Japan
T. Kobayashi, 1717-2 Shimo-Koizumi, Oizumi-machi, Ora-gun, Gunma-ken, 370-05 Japan
B. G. Marsden, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138, U.S.A. (M)
S. W. Milbourn, 15 Cam Green, Cam, Dursley, Gloucestershire GL11 5HL, England
K. Muraoka, Nakashima 1207-2, B-101, Okatoyo-Cho, Nangoku, Kochi-Ken 783, Japan
S. Nakano, 3-19, 1 chome, Takenokuchi, Sumoto, Hyogo-ken 656, Japan (N)
T. Urata, 6-1, Muramatsuhara 1 Chome, Shimizu, Shizuoka-Ken 424, Japan
G. V. Williams, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138, U.S.A. (W)

Comet Helin-Lawrence (1992q)

Epoch 1993 Apr. 3.0 TT = JDT 2449080.5

| T | 1993 Mar. 15.11121 TT | | Marsden | |
|-----|-----------------------|--------------------|-------------|-------------|
| q | 2.0384583 | (2000.0) | P | Q |
| z | +0.0169907 | ω 268.85350 | +0.09272976 | -0.96575073 |
| | ± 0.0000026 | Ω 194.66721 | +0.12807368 | -0.22979386 |
| e | 0.9653652 | i 106.84809 | -0.98742003 | -0.12050027 |

From 69 observations 1992 Aug. 29-1994 Apr. 13, mean residual 0".76.

Comet Shoemaker (1992y)

Epoch 1993 Apr. 3.0 TT = JDT 2449080.5

| <i>T</i> 1993 Mar. 25.68096 TT | | Marsden | |
|--------------------------------|-----------------|-------------------|-------------------------|
| <i>q</i> | 2.3136543 | (2000.0) | P Q |
| <i>z</i> | +0.0002545 | ω 54.86458 | +0.05401474 -0.65811410 |
| | ± 0.0000029 | Ω 55.29942 | +0.31079372 -0.70363913 |
| <i>e</i> | 0.9994111 | <i>i</i> 65.98587 | +0.94894134 +0.26791380 |

From 164 observations 1992 Oct. 25–1994 May 1, mean residual 0".88.

Comet Mueller (1994c)

Epoch 1993 Nov. 29.0 TT = JDT 2449320.5

| <i>T</i> 1993 Nov. 28.58722 TT | | Marsden | |
|--------------------------------|-----------------|--------------------|-------------------------|
| <i>q</i> | 1.7524685 | (2000.0) | P Q |
| <i>z</i> | +0.0173239 | ω 98.99237 | -0.08268085 -0.99524705 |
| | ± 0.0006819 | Ω 5.16608 | -0.97808421 +0.07113906 |
| <i>e</i> | 0.9696405 | <i>i</i> 145.15183 | +0.19108940 -0.06650224 |

From 44 observations 1994 Mar. 14–Apr. 20, mean residual 0".81.

Periodic Comet Maury (1994h)

Epoch 1994 Mar. 29.0 TT = JDT 2449440.5

| <i>T</i> 1994 Mar. 18.71547 TT | | Marsden | |
|--------------------------------|------------|--------------------|-------------------------|
| <i>q</i> | 2.0263050 | (2000.0) | P Q |
| <i>n</i> | 0.11279589 | ω 119.82605 | +0.44965004 +0.89313454 |
| <i>a</i> | 4.2423569 | Ω 176.83135 | -0.87340779 +0.44227561 |
| <i>e</i> | 0.5223634 | <i>i</i> 11.69427 | -0.18701251 +0.08187169 |
| <i>P</i> | 8.74 | | |

From 41 observations 1985–1994, mean residual 0".96.

Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus A = 21

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> 1994 Mar. 23.87080 TT | | Marsden | |
|--------------------------------|------------|--------------------|-------------------------|
| <i>q</i> | 5.3806039 | (2000.0) | P Q |
| <i>n</i> | 0.05480501 | ω 354.87319 | -0.81469978 +0.57588505 |
| <i>a</i> | 6.8641882 | Ω 220.53764 | -0.52824555 -0.78539164 |
| <i>e</i> | 0.2161340 | <i>i</i> 6.00333 | -0.23920892 -0.22697221 |
| <i>P</i> | 17.98 | | |

From 30 observations 1993 Mar. 27–1994 Apr. 8, mean residual 0".6.

Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus B = 20

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> 1994 Mar. 24.39442 TT | | Marsden | |
|--------------------------------|------------|--------------------|-------------------------|
| <i>q</i> | 5.3805842 | (2000.0) | P Q |
| <i>n</i> | 0.05487042 | ω 354.88932 | -0.81426459 +0.57651431 |
| <i>a</i> | 6.8587321 | Ω 220.56474 | -0.52882713 -0.78491455 |
| <i>e</i> | 0.2155133 | <i>i</i> 5.98940 | -0.23940560 -0.22702512 |
| <i>P</i> | 17.96 | | |

From 33 observations 1993 Mar. 27–1994 Apr. 8, mean residual 0".6.

Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus C = 19

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> 1994 Mar. 24.55168 TT | | Marsden | |
|--------------------------------|------------|--------------------|-------------------------|
| <i>q</i> | 5.3804709 | (2000.0) | P Q |
| <i>n</i> | 0.05491428 | ω 354.88625 | -0.81413431 +0.57670491 |
| <i>a</i> | 6.8550800 | Ω 220.58072 | -0.52899692 -0.78475631 |
| <i>e</i> | 0.2151119 | <i>i</i> 5.98245 | -0.23947356 -0.22708807 |
| <i>P</i> | 17.95 | | |

From 30 observations 1993 Mar. 27–1994 Apr. 8, mean residual 0".6.

Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus D = 18

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> 1994 Mar. 24.81981 TT | | Marsden | |
|--------------------------------|------------|--------------------|-------------------------|
| <i>q</i> | 5.3804194 | (2000.0) | P Q |
| <i>n</i> | 0.05496379 | ω 354.88941 | -0.81391378 +0.57702527 |
| <i>a</i> | 6.8509627 | Ω 220.59944 | -0.52928875 -0.78450263 |
| <i>e</i> | 0.2146477 | <i>i</i> 5.97325 | -0.23957835 -0.22715076 |
| <i>P</i> | 17.93 | | |

From 30 observations 1993 Mar. 27–1994 Apr. 8, mean residual 0".6.

Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus E = 17

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> 1994 Mar. 25.15203 TT | | Marsden | |
|--------------------------------|------------|--------------------|-------------------------|
| <i>q</i> | 5.3803721 | (2000.0) | P Q |
| <i>n</i> | 0.05499156 | ω 354.90381 | -0.81363067 +0.57743031 |
| <i>a</i> | 6.8486561 | Ω 220.61311 | -0.52966714 -0.78420870 |
| <i>e</i> | 0.2143901 | <i>i</i> 5.96712 | -0.23970369 -0.22713640 |
| <i>P</i> | 17.92 | | |

From 109 observations 1993 Mar. 27–1994 Apr. 20, mean residual 0".6.

Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus F = 16

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> 1994 Mar. 25.77771 TT | | Marsden | |
|--------------------------------|------------|--------------------|-------------------------|
| <i>q</i> | 5.3803082 | (2000.0) | P Q |
| <i>n</i> | 0.05509249 | ω 354.91601 | -0.81311525 +0.57817571 |
| <i>a</i> | 6.8402889 | Ω 220.65196 | -0.53035000 -0.78362540 |
| <i>e</i> | 0.2134385 | <i>i</i> 5.94738 | -0.23994263 -0.22725333 |
| <i>P</i> | 17.89 | | |

From 41 observations 1993 Mar. 27–1994 Apr. 20, mean residual 0".6.

Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus G = 15

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> 1994 Mar. 26.25277 TT | | Marsden | |
|--------------------------------|------------|--------------------|-------------------------|
| <i>q</i> | 5.3801557 | (2000.0) | P Q |
| <i>n</i> | 0.05515294 | ω 354.92817 | -0.81271078 +0.57875493 |
| <i>a</i> | 6.8352902 | Ω 220.67981 | -0.53088439 -0.78318982 |
| <i>e</i> | 0.2128855 | <i>i</i> 5.93581 | -0.24013110 -0.22728052 |
| <i>P</i> | 17.87 | | |

From 145 observations 1993 Mar. 27–1994 Apr. 20, mean residual 0".6.

Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus H = 14

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> | | 1994 Mar. 26.99157 TT | | Marsden | |
|----------|------------|-----------------------|-----------|-------------|-------------|
| <i>q</i> | 5.3800011 | (2000.0) | | P | Q |
| <i>n</i> | 0.05527432 | ω | 354.94008 | -0.81209715 | +0.57963810 |
| <i>a</i> | 6.8252793 | Ω | 220.72851 | -0.53169220 | -0.78249845 |
| <i>e</i> | 0.2117537 | <i>i</i> | 5.91286 | -0.24041968 | -0.22741118 |
| <i>P</i> | 17.83 | | | | |

From 132 observations 1993 Mar. 27–1994 Apr. 20, mean residual 0^{''}.6.**Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus K = 12**

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> | | 1994 Mar. 27.94848 TT | | Marsden | |
|----------|------------|-----------------------|-----------|-------------|-------------|
| <i>q</i> | 5.3798115 | (2000.0) | | P | Q |
| <i>n</i> | 0.05541936 | ω | 354.95846 | -0.81129817 | +0.58078263 |
| <i>a</i> | 6.8133659 | Ω | 220.78891 | -0.53274201 | -0.78161051 |
| <i>e</i> | 0.2104033 | <i>i</i> | 5.88519 | -0.24079293 | -0.22754459 |
| <i>P</i> | 17.78 | | | | |

From 145 observations 1993 Mar. 27–1994 Apr. 20, mean residual 0^{''}.6.**Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus L = 11**

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> | | 1994 Mar. 28.76073 TT | | Marsden | |
|----------|------------|-----------------------|-----------|-------------|-------------|
| <i>q</i> | 5.3796661 | (2000.0) | | P | Q |
| <i>n</i> | 0.05553283 | ω | 354.97709 | -0.81061782 | +0.58175292 |
| <i>a</i> | 6.8040814 | Ω | 220.83726 | -0.53363466 | -0.78086351 |
| <i>e</i> | 0.2093472 | <i>i</i> | 5.86327 | -0.24110744 | -0.22763067 |
| <i>P</i> | 17.75 | | | | |

From 140 observations 1993 Mar. 27–1994 Apr. 20, mean residual 0^{''}.7.**Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus N = 9**

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> | | 1994 Mar. 29.41876 TT | | Marsden | |
|----------|------------|-----------------------|-----------|-------------|-------------|
| <i>q</i> | 5.3796251 | (2000.0) | | P | Q |
| <i>n</i> | 0.05564818 | ω | 354.98263 | -0.81007808 | +0.58252570 |
| <i>a</i> | 6.7946757 | Ω | 220.88475 | -0.53433747 | -0.78024419 |
| <i>e</i> | 0.2082587 | <i>i</i> | 5.84117 | -0.24136483 | -0.22777799 |
| <i>P</i> | 17.71 | | | | |

From 33 observations 1993 Mar. 27–1994 Apr. 8, mean residual 0^{''}.6.**Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus P = 8**

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> | | 1994 Mar. 29.82759 TT | | Marsden | |
|----------|------------|-----------------------|-----------|-------------|-------------|
| <i>q</i> | 5.3796268 | (2000.0) | | P | Q |
| <i>n</i> | 0.05569518 | ω | 354.99614 | -0.80973834 | +0.58300797 |
| <i>a</i> | 6.7908528 | Ω | 220.90462 | -0.53478407 | -0.77987546 |
| <i>e</i> | 0.2078128 | <i>i</i> | 5.83103 | -0.24151567 | -0.22780689 |
| <i>P</i> | 17.70 | | | | |

From 42 observations 1993 Mar. 27–1994 Apr. 8, mean residual 0^{''}.5.**Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus Q = 7**

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> | | 1994 Mar. 30.18556 TT | | Marsden | |
|----------|------------|-----------------------|-----------|-------------|-------------|
| <i>q</i> | 5.3794286 | (2000.0) | | P | Q |
| <i>n</i> | 0.05573655 | ω | 355.00571 | -0.80942543 | +0.58344860 |
| <i>a</i> | 6.7874920 | Ω | 220.92573 | -0.53519158 | -0.77954755 |
| <i>e</i> | 0.2074497 | <i>i</i> | 5.82371 | -0.24166186 | -0.22780112 |
| <i>P</i> | 17.68 | | | | |

From 153 observations 1993 Mar. 27–1994 Apr. 20, mean residual 0^{''}.6.**Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus R = 6**

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> | | 1994 Mar. 30.74049 TT | | Marsden | |
|----------|------------|-----------------------|-----------|-------------|-------------|
| <i>q</i> | 5.3792653 | (2000.0) | | P | Q |
| <i>n</i> | 0.05583407 | ω | 355.01063 | -0.80896343 | +0.58410586 |
| <i>a</i> | 6.7795862 | Ω | 220.96607 | -0.53579005 | -0.77902383 |
| <i>e</i> | 0.2065496 | <i>i</i> | 5.80594 | -0.24188261 | -0.22790835 |
| <i>P</i> | 17.65 | | | | |

From 87 observations 1993 Mar. 27–1994 Apr. 20, mean residual 0^{''}.6.**Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus S = 5**

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> | | 1994 Mar. 31.44773 TT | | Marsden | |
|----------|------------|-----------------------|-----------|-------------|-------------|
| <i>q</i> | 5.3791732 | (2000.0) | | P | Q |
| <i>n</i> | 0.05592121 | ω | 355.02818 | -0.80836742 | +0.58494660 |
| <i>a</i> | 6.7725415 | Ω | 221.00685 | -0.53656524 | -0.77837977 |
| <i>e</i> | 0.2057379 | <i>i</i> | 5.78862 | -0.24215666 | -0.22795265 |
| <i>P</i> | 17.62 | | | | |

From 143 observations 1993 Mar. 27–1994 Apr. 20, mean residual 0^{''}.6.**Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus T = 4**

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> | | 1994 Mar. 31.70683 TT | | Marsden | |
|----------|------------|-----------------------|-----------|-------------|-------------|
| <i>q</i> | 5.3791859 | (2000.0) | | P | Q |
| <i>n</i> | 0.05595204 | ω | 355.03931 | -0.80815723 | +0.58524470 |
| <i>a</i> | 6.7700537 | Ω | 221.01632 | -0.53684241 | -0.77814656 |
| <i>e</i> | 0.2054441 | <i>i</i> | 5.78151 | -0.24224392 | -0.22798372 |
| <i>P</i> | 17.62 | | | | |

From 24 observations 1993 Mar. 27–1994 Apr. 5, mean residual 0^{''}.6.**Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus U = 3**

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> | | 1994 Mar. 31.91021 TT | | Marsden | |
|----------|------------|-----------------------|-----------|-------------|-------------|
| <i>q</i> | 5.3790751 | (2000.0) | | P | Q |
| <i>n</i> | 0.05599373 | ω | 355.03725 | -0.80798387 | +0.58548985 |
| <i>a</i> | 6.7666928 | Ω | 221.03530 | -0.53706329 | -0.77794981 |
| <i>e</i> | 0.2050659 | <i>i</i> | 5.77478 | -0.24233260 | -0.22802572 |
| <i>P</i> | 17.60 | | | | |

From 14 observations 1993 Mar. 27–1994 Apr. 8, mean residual 0^{''}.6.

Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus V = 2

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> 1994 Apr. 1.25700 TT | | Marsden | |
|-------------------------------|--------------------|-------------|-------------|
| <i>q</i> | (2000.0) | P | Q |
| <i>n</i> | ω 355.04042 | -0.80769412 | +0.58589796 |
| <i>a</i> | Ω 221.06041 | -0.53743584 | -0.77763069 |
| <i>e</i> | <i>i</i> 5.76528 | -0.24247253 | -0.22806596 |
| <i>P</i> | 17.59 | | |

From 24 observations 1993 Mar. 27–1994 Apr. 8, mean residual 0^{''}.6.**Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus W = 1**

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> 1994 Apr. 1.55932 TT | | Marsden | |
|-------------------------------|--------------------|-------------|-------------|
| <i>q</i> | (2000.0) | P | Q |
| <i>n</i> | ω 355.05034 | -0.80743144 | +0.58626512 |
| <i>a</i> | Ω 221.07613 | -0.53777662 | -0.77735675 |
| <i>e</i> | <i>i</i> 5.75941 | -0.24259180 | -0.22805633 |
| <i>P</i> | 17.58 | | |

From 105 observations 1993 Mar. 27–1994 Apr. 20, mean residual 0^{''}.6.**Comet Takamizawa-Levy (1994f)***T* 1994 May 22.54192 TT

| <i>T</i> 1994 May 22.54192 TT | | Nakano | |
|-------------------------------|--------------------|-------------|-------------|
| <i>q</i> | (2000.0) | P | Q |
| | ω 61.63464 | -0.19433721 | -0.78620035 |
| | Ω 306.83251 | -0.93467230 | +0.32989798 |
| <i>e</i> | <i>i</i> 132.86863 | +0.29769235 | +0.52254793 |
| | 1.0 | | |

From 93 observations 1994 Apr. 14–25.

Comet Shoemaker-Levy (1994d)

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> 1994 May 27.43581 TT | | Marsden | |
|-------------------------------|--------------------|-------------|-------------|
| <i>q</i> | (2000.0) | P | Q |
| <i>z</i> | ω 57.47198 | -0.39383466 | +0.90244088 |
| | Ω 166.56727 | +0.35868459 | -0.02403592 |
| <i>e</i> | <i>i</i> 131.26036 | +0.84630942 | +0.43014269 |

From 58 observations 1994 Mar. 14–May 3, mean residual 0^{''}.76.**Periodic Comet Shoemaker-Levy 4 (1990 XII)**

Epoch 1996 Dec. 23.0 TT = JDT 2450440.5

| <i>T</i> 1997 Jan. 11.55092 TT | | Nakano | |
|--------------------------------|--------------------|-------------|-------------|
| <i>q</i> | (2000.0) | P | Q |
| <i>n</i> | ω 302.04126 | -0.07621933 | -0.99470533 |
| <i>a</i> | Ω 152.08154 | +0.95726171 | -0.09234459 |
| <i>e</i> | <i>i</i> 8.46630 | +0.27899932 | +0.04509748 |
| <i>P</i> | 6.51 | | |

From 28 observations 1991 Feb. 11–Apr. 19, mean residual 0^{''}.88.**Periodic Comet Russell 4**

Epoch 1997 Feb. 1.0 TT = JDT 2450480.5

| <i>T</i> 1997 Feb. 3.47150 TT | | Marsden | |
|-------------------------------|-------------------|-------------|-------------|
| <i>q</i> | (2000.0) | P | Q |
| <i>n</i> | ω 93.26811 | -0.95689610 | -0.27196707 |
| <i>a</i> | Ω 70.96923 | +0.20468891 | -0.88043664 |
| <i>e</i> | <i>i</i> 6.18807 | +0.20603959 | -0.38841375 |
| <i>P</i> | 6.58 | | |

From 42 observations 1984–1989, mean residual 0^{''}.9.**Periodic Comet Holt-Olmstead (1990 XVIII)**

Epoch 1997 Feb. 1.0 TT = JDT 2450480.5

| <i>T</i> 1997 Feb. 6.65614 TT | | Marsden | |
|-------------------------------|-------------------|-------------|-------------|
| <i>q</i> | (2000.0) | P | Q |
| <i>n</i> | ω 6.26874 | +0.93854707 | -0.33981775 |
| <i>a</i> | Ω 14.06030 | +0.30488160 | +0.73414522 |
| <i>e</i> | <i>i</i> 14.40611 | +0.16179189 | +0.58783900 |
| <i>P</i> | 6.33 | | |

From 38 observations 1990 Sept. 16–Dec. 14, mean residual 0^{''}.7.**Periodic Comet Wirtanen**

Epoch 1997 Mar. 13.0 TT = JDT 2450520.5

| <i>T</i> 1997 Mar. 14.17400 TT | | Nakano | |
|--------------------------------|--------------------|-------------|-------------|
| <i>q</i> | (2000.0) | P | Q |
| <i>n</i> | ω 356.34322 | +0.19733982 | -0.95944536 |
| <i>a</i> | Ω 82.19830 | +0.90451602 | +0.09901652 |
| <i>e</i> | <i>i</i> 11.72300 | +0.37803142 | +0.26393242 |
| <i>P</i> | 5.46 | | |

From 17 observations 1975–1991, mean residual 1^{''}.72. Nongravitational parameters

$$A_1 = +1.10 \pm 0.14, A_2 = -0.1517 \pm 0.0016.$$

Periodic Comet Helin-Roman-Alu 1 (1987 XXXVII)

Epoch 1997 Mar. 13.0 TT = JDT 2450520.5

| <i>T</i> 1997 Mar. 27.51160 TT | | Marsden | |
|--------------------------------|--------------------|-------------|-------------|
| <i>q</i> | (2000.0) | P | Q |
| <i>n</i> | ω 215.10944 | +0.31072517 | +0.93655267 |
| <i>a</i> | Ω 73.47350 | -0.82876855 | +0.35052521 |
| <i>e</i> | <i>i</i> 9.74259 | -0.46539505 | +0.00108771 |
| <i>P</i> | 9.57 | | |

From 22 observations 1988 Aug. 10–1993 Jan. 25, mean residual 0^{''}.8.**Periodic Comet Boethin**

Epoch 1997 Apr. 22.0 TT = JDT 2450560.5

| <i>T</i> 1997 Apr. 17.70645 TT | | Green | |
|--------------------------------|-------------------|-------------|-------------|
| <i>q</i> | (2000.0) | P | Q |
| <i>n</i> | ω 22.32520 | +0.80166237 | -0.59740214 |
| <i>a</i> | Ω 14.41846 | +0.53480308 | +0.70093889 |
| <i>e</i> | <i>i</i> 4.87686 | +0.26706386 | +0.38960922 |
| <i>P</i> | 11.63 | | |

From 44 observations 1975–1986, mean residual 1^{''}.2.

Periodic Comet Wild 2

Epoch 1997 Apr. 22.0 TT = JDT 2450560.5

| T 1997 May 6.64136 TT | | | Milbourn | |
|-----------------------|----------|-----------|-------------|-------------|
| <i>q</i> | | (2000.0) | P | Q |
| <i>n</i> | ω | 41.77405 | -0.99860507 | -0.03537307 |
| <i>a</i> | Ω | 136.15134 | +0.01892484 | -0.93287641 |
| <i>e</i> | <i>i</i> | 3.24386 | +0.04929255 | -0.35845550 |
| <i>P</i> | | 6.33 | | |

From 297 observations 1978–1991, mean residual 0^{''}.9. Nongravitational parameters
 $A_1 = -0.01$, $A_2 = +0.0232$.

Periodic Comet Encke

Epoch 1997 June 1.0 TT = JDT 2450600.5

| T 1997 May 23.59506 TT | | | Nakano | |
|------------------------|----------|-----------|-------------|-------------|
| <i>q</i> | | (2000.0) | P | Q |
| <i>n</i> | ω | 186.27131 | -0.94447517 | -0.31650524 |
| <i>a</i> | Ω | 334.72236 | +0.30973814 | -0.76791873 |
| <i>e</i> | <i>i</i> | 11.92974 | +0.10967650 | -0.55688891 |
| <i>P</i> | | 3.28 | | |

From 151 observations 1982–1994, mean residual 1^{''}.13. Nongravitational parameters
 $A_1 = -0.02 \pm 0.01$, $A_2 = -0.0018 \pm 0.0000$.

Periodic Comet Hartley 1

Epoch 1997 June 1.0 TT = JDT 2450600.5

| T 1997 May 28.51694 TT | | | Marsden | |
|------------------------|----------|-----------|-------------|-------------|
| <i>q</i> | | (2000.0) | P | Q |
| <i>n</i> | ω | 178.93299 | -0.78861215 | +0.55117871 |
| <i>a</i> | Ω | 38.90289 | -0.56731762 | -0.48124315 |
| <i>e</i> | <i>i</i> | 25.72312 | -0.23715310 | -0.68162091 |
| <i>P</i> | | 6.02 | | |

From 35 observations 1985–1991, mean residual 0^{''}.8.

Periodic Comet Gehrels 2

Epoch 1997 Aug. 20.0 TT = JDT 2450680.5

| T 1997 Aug. 7.07552 TT | | | Milbourn | |
|------------------------|----------|-----------|-------------|-------------|
| <i>q</i> | | (2000.0) | P | Q |
| <i>n</i> | ω | 192.76673 | +0.72727507 | -0.68409540 |
| <i>a</i> | Ω | 210.63081 | +0.63890394 | +0.70434576 |
| <i>e</i> | <i>i</i> | 6.25790 | +0.25074437 | +0.18950074 |
| <i>P</i> | | 7.20 | | |

From 59 observations 1973–1989, mean residual 0^{''}.8. Nongravitational parameters
 $A_1 = 0.00$, $A_2 = -0.0290$.

Periodic Comet Haneda-Campos (1978 XX)

Epoch 1997 Aug. 20.0 TT = JDT 2450680.5

| T 1997 Aug. 15.79529 TT | | | Nakano | |
|-------------------------|----------|-----------|-------------|-------------|
| <i>q</i> | | (2000.0) | P | Q |
| <i>n</i> | ω | 307.05084 | +0.96898427 | -0.23410338 |
| <i>a</i> | Ω | 66.60938 | +0.24513711 | +0.87004285 |
| <i>e</i> | <i>i</i> | 4.94731 | +0.03126168 | +0.43384449 |
| <i>P</i> | | 6.39 | | |

From 55 observations 1978 July 30–Nov. 29, mean residual 1^{''}.24.

Periodic Comet Grigg-Skjellerup

Epoch 1997 Aug. 20.0 TT = JDT 2450680.5

| T 1997 Aug. 30.30353 TT | | | Muraoka | |
|-------------------------|----------|-----------|-------------|-------------|
| <i>q</i> | | (2000.0) | P | Q |
| <i>n</i> | ω | 359.33182 | -0.84163799 | +0.50260234 |
| <i>a</i> | Ω | 213.30916 | -0.49379507 | -0.86434311 |
| <i>e</i> | <i>i</i> | 21.08677 | -0.21865937 | +0.01737466 |
| <i>P</i> | | 5.11 | | |

From 173 observations 1961–1992, mean residual 0^{''}.93. Nongravitational parameters
 $A_1 = 0.00 \pm 0.00$, $A_2 = -0.0011 \pm 0.0000$.

Periodic Comet Wolf-Harrington

Epoch 1997 Sept. 29.0 TT = JDT 2450720.5

| T 1997 Sept. 29.24189 TT | | | Milbourn | |
|--------------------------|----------|-----------|-------------|-------------|
| <i>q</i> | | (2000.0) | P | Q |
| <i>n</i> | ω | 187.13329 | +0.14727311 | -0.94047126 |
| <i>a</i> | Ω | 254.75666 | +0.92243843 | +0.24235854 |
| <i>e</i> | <i>i</i> | 18.51043 | +0.35695655 | -0.23827747 |
| <i>P</i> | | 6.46 | | |

From 69 observations 1970–1991, mean residual 1^{''}.1. Nongravitational parameters
 $A_1 = +0.30$, $A_2 = -0.0113$.

Periodic Comet Johnson

Epoch 1997 Nov. 8.0 TT = JDT 2450760.5

| T 1997 Oct. 31.84978 TT | | | Muraoka | |
|-------------------------|----------|-----------|-------------|-------------|
| <i>q</i> | | (2000.0) | P | Q |
| <i>n</i> | ω | 207.99095 | +0.81078763 | +0.54644227 |
| <i>a</i> | Ω | 117.35357 | -0.48321516 | +0.82714796 |
| <i>e</i> | <i>i</i> | 13.66434 | -0.33034306 | +0.13125202 |
| <i>P</i> | | 6.97 | | |

From 79 observations 1949–1991, mean residual 0^{''}.97. Nongravitational parameters
 $A_1 = +0.64 \pm 0.05$, $A_2 = -0.0180 \pm 0.0010$.

Periodic Comet Helin-Roman-Alu 2 (1989 XVI)

Epoch 1997 Nov. 8.0 TT = JDT 2450760.5

| T 1997 Nov. 10.72684 TT | | | Marsden | |
|-------------------------|----------|-----------|-------------|-------------|
| <i>q</i> | | (2000.0) | P | Q |
| <i>n</i> | ω | 220.97797 | +0.77175863 | -0.63591012 |
| <i>a</i> | Ω | 178.50210 | +0.60655397 | +0.73487529 |
| <i>e</i> | <i>i</i> | 5.77936 | +0.19099973 | +0.23574696 |
| <i>P</i> | | 8.24 | | |

From 10 observations 1989 Oct. 26–1990 Feb. 27, mean residual 1^{''}.1.

Periodic Comet du Toit-Hartley

Epoch 1997 Nov. 8.0 TT = JDT 2450760.5

| T 1997 Nov. 14.51276 TT | | | Nakano | |
|-------------------------|----------|-----------|-------------|-------------|
| <i>q</i> | | (2000.0) | P | Q |
| <i>n</i> | ω | 251.62199 | -0.93347924 | +0.35642535 |
| <i>a</i> | Ω | 309.23914 | -0.30663652 | -0.85066570 |
| <i>e</i> | <i>i</i> | 2.93946 | -0.18598537 | -0.38643089 |
| <i>P</i> | | 5.22 | | |

From 47 observations 1982–1987, mean residual 0^{''}.93.

Periodic Comet Russell 3

Epoch 1997 Nov. 8.0 TT = JDT 2450760.5

T 1997 Nov. 19.19856 TT

Green

| | | | | |
|----------|------------|--------------------|-------------|-------------|
| <i>q</i> | 2.5100885 | (2000.0) | P | Q |
| <i>n</i> | 0.13165646 | ω 353.43441 | -0.46463846 | +0.85594645 |
| <i>a</i> | 3.8268484 | Ω 248.67105 | -0.80095211 | -0.51549853 |
| <i>e</i> | 0.3440847 | <i>i</i> 14.09579 | -0.37760669 | +0.04021113 |
| <i>P</i> | 7.49 | | | |

From 41 observations 1983–1990, mean residual 0^u.8.**Periodic Comet Shoemaker-Holt 1 (1988 VII)**

Epoch 1997 Nov. 8.0 TT = JDT 2450760.5

T 1997 Nov. 21.16559 TT

Nakano

| | | | | |
|----------|------------|--------------------|-------------|-------------|
| <i>q</i> | 3.0470270 | (2000.0) | P | Q |
| <i>n</i> | 0.10359253 | ω 210.21813 | +0.42746749 | -0.90300248 |
| <i>a</i> | 4.4900422 | Ω 214.52727 | +0.84391347 | +0.41568476 |
| <i>e</i> | 0.3213812 | <i>i</i> 4.36160 | +0.32416292 | +0.10859425 |
| <i>P</i> | 9.51 | | | |

From 65 observations 1987 Sept. 24–1989 Feb. 6, mean residual 1^u.19.**Periodic Comet Mueller 2 (1990 XXIV)**

Epoch 1997 Nov. 8.0 TT = JDT 2450760.5

T 1997 Nov. 22.50459 TT

Muraoka

| | | | | |
|----------|------------|--------------------|-------------|-------------|
| <i>q</i> | 2.4124535 | (2000.0) | P | Q |
| <i>n</i> | 0.13979329 | ω 179.64748 | +0.82969942 | -0.55353276 |
| <i>a</i> | 3.6768720 | Ω 214.28172 | +0.51183421 | +0.80594763 |
| <i>e</i> | 0.3438843 | <i>i</i> 7.35567 | +0.22276584 | +0.20988067 |
| <i>P</i> | 7.05 | | | |

From 56 observations 1990 Sept. 15–1991 Feb. 9, mean residual 0^u.93.**Periodic Comet Taylor**

Epoch 1997 Dec. 18.0 TT = JDT 2450800.5

T 1997 Dec. 12.29666 TT

Marsden

| | | | | |
|----------|------------|--------------------|-------------|-------------|
| <i>q</i> | 1.9478496 | (2000.0) | P | Q |
| <i>n</i> | 0.14148383 | ω 355.38034 | -0.25079544 | -0.90927829 |
| <i>a</i> | 3.6475241 | Ω 108.85746 | +0.89902499 | -0.34600464 |
| <i>e</i> | 0.4659803 | <i>i</i> 20.54695 | +0.35896479 | +0.23128722 |
| <i>P</i> | 6.97 | | | |

From 41 observations 1984–1991, mean residual 1^u.4.**Periodic Comet Hartley 2**

Epoch 1997 Dec. 18.0 TT = JDT 2450800.5

T 1997 Dec. 21.94036 TT

Nakano

| | | | | |
|----------|------------|--------------------|-------------|-------------|
| <i>q</i> | 1.0317582 | (2000.0) | P | Q |
| <i>n</i> | 0.15425452 | ω 180.72297 | +0.75862084 | -0.63374096 |
| <i>a</i> | 3.4433206 | Ω 219.95430 | +0.59894493 | +0.76969655 |
| <i>e</i> | 0.7003595 | <i>i</i> 13.61974 | +0.25643595 | +0.07706898 |
| <i>P</i> | 6.39 | | | |

From 149 observations 1986–1992, mean residual 0^u.93.

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 |
|----------------------|----------|--------|----------|----------|----------|----------|----------|----------|-----|---|---|---|
| 1990 VV ₂ | 12.5 | 901105 | 16.65 | 158.37 | 227.56 | 9.79 | 0.1335 | 2.8183 | 11 | 0 | W | |
| 1993 CO ₁ | 13.8 | 930314 | 30.66 | 268.38 | 216.22 | 4.02 | 0.1035 | 2.3192 | 37 | 0 | E | |
| 1993 DM | 13.3 | 930314 | 335.26 | 271.56 | 278.02 | 4.20 | 0.0750 | 2.5627 | 37 | 0 | E | |

| | | | | | | | | | | | | |
|----------------------|------|--------|--------|--------|--------|-------|--------|--------|----|---|---|---|
| 1993 DN | 14.2 | 930314 | 15.37 | 210.83 | 293.56 | 4.84 | 0.0777 | 2.2148 | 37 | 8 | E | |
| 1993 EJ | 13.5 | 930314 | 334.38 | 162.87 | 49.73 | 7.05 | 0.0764 | 2.4168 | 43 | 7 | W | |
| 1993 EQ | 13.5 | 930314 | 8.30 | 156.34 | 14.65 | 7.19 | 0.0469 | 2.2859 | 32 | 0 | W | |
| 1993 EU | 13.0 | 930314 | 332.86 | 135.33 | 83.06 | 3.15 | 0.1652 | 2.3763 | 32 | 0 | W | |
| 1993 FL | 15.0 | 930314 | 307.15 | 12.01 | 247.37 | 0.04 | 0.2232 | 2.3180 | 6 | 7 | W | |
| 1993 FM | 13.0 | 930314 | 114.97 | 222.06 | 190.66 | 1.38 | 0.1950 | 3.0965 | 13 | 9 | W | |
| 1993 FN | 14.0 | 930403 | 43.69 | 118.49 | 6.55 | 10.72 | 0.2158 | 2.5328 | 29 | 0 | W | |
| 1993 FO | 13.5 | 930314 | 359.28 | 349.90 | 195.68 | 0.68 | 0.1197 | 3.1198 | 6 | 7 | E | W |
| 1993 FG ₁ | 14.0 | 930314 | 36.79 | 303.31 | 183.63 | 22.59 | 0.2056 | 2.3102 | 32 | 0 | W | |
| 1993 FT ₂ | 13.5 | 930403 | 63.84 | 92.28 | 3.40 | 20.24 | 0.2708 | 2.2886 | 29 | 7 | W | |
| 1993 FW ₂ | 13.5 | 930314 | 320.72 | 202.41 | 27.54 | 6.84 | 0.0792 | 3.2226 | 7 | 9 | E | W |
| 1993 FX ₂ | 13.0 | 930314 | 190.79 | 241.47 | 115.87 | 3.21 | 0.1035 | 2.8947 | 28 | 9 | W | |
| 1993 FT ₃ | 13.0 | 930314 | 289.65 | 167.90 | 106.29 | 5.00 | 0.1585 | 2.3822 | 6 | 7 | W | |
| 1993 FW ₃ | 13.5 | 930314 | 232.03 | 129.29 | 204.75 | 4.32 | 0.2351 | 2.1855 | 8 | 6 | W | |
| 1993 FX ₃ | 15.0 | 930403 | 332.46 | 45.37 | 195.04 | 5.67 | 0.2652 | 2.3409 | 35 | 9 | W | |
| 1993 FY ₃ | 14.5 | 930314 | 4.83 | 335.51 | 204.94 | 2.66 | 0.0940 | 2.2009 | 10 | 7 | W | |
| 1993 FE ₄ | 14.5 | 930314 | 17.19 | 17.65 | 131.57 | 1.72 | 0.2644 | 2.8285 | 6 | 3 | W | |
| 1993 FF ₄ | 13.0 | 930314 | 66.99 | 55.70 | 41.42 | 2.39 | 0.1480 | 3.0699 | 30 | 7 | W | |
| 1993 FH ₄ | 14.0 | 930314 | 16.56 | 19.42 | 137.67 | 1.72 | 0.1620 | 2.8668 | 6 | 6 | W | |
| 1993 FJ ₄ | 13.5 | 930314 | 356.56 | 168.59 | 16.09 | 4.19 | 0.1064 | 2.7939 | 6 | 3 | E | W |
| 1993 FK ₄ | 15.0 | 930314 | 345.59 | 28.12 | 172.00 | 7.16 | 0.1668 | 2.5213 | 30 | 7 | W | |
| 1993 FL ₄ | 12.5 | 930314 | 91.91 | 294.27 | 139.05 | 2.18 | 0.1379 | 2.5513 | 30 | 7 | W | |
| 1993 FM ₄ | 15.5 | 930314 | 353.47 | 114.67 | 73.35 | 1.68 | 0.1424 | 2.3513 | 6 | 3 | W | |
| 1993 FN ₄ | 14.5 | 930314 | 341.40 | 80.57 | 124.23 | 1.19 | 0.1519 | 2.3108 | 30 | 7 | W | |
| 1993 FP ₄ | 15.0 | 930314 | 303.60 | 101.87 | 138.53 | 1.89 | 0.0359 | 2.4082 | 6 | 6 | W | |
| 1993 FQ ₄ | 13.5 | 930314 | 197.69 | 182.74 | 165.26 | 6.28 | 0.1522 | 2.4449 | 30 | 4 | W | |
| 1993 FR ₄ | 14.0 | 930314 | 295.36 | 114.96 | 153.12 | 3.24 | 0.2059 | 2.3539 | 30 | 4 | W | |
| 1993 FS ₄ | 13.0 | 930314 | 312.03 | 126.06 | 116.46 | 2.39 | 0.1407 | 3.1126 | 30 | 4 | W | |
| 1993 FU ₄ | 13.5 | 930314 | 15.86 | 343.65 | 175.82 | 13.84 | 0.1405 | 2.6423 | 30 | 4 | W | |
| 1993 FV ₄ | 15.0 | 930314 | 351.13 | 52.99 | 138.65 | 2.71 | 0.1460 | 2.3747 | 30 | 6 | D | W |
| 1993 FW ₄ | 14.5 | 930314 | 117.82 | 15.27 | 33.05 | 3.69 | 0.1642 | 2.3733 | 6 | 3 | W | |
| 1993 FX ₄ | 14.5 | 930314 | 300.71 | 96.05 | 168.66 | 9.93 | 0.2136 | 3.1903 | 30 | 4 | W | |
| 1993 FZ ₄ | 12.5 | 930314 | 245.32 | 187.78 | 122.42 | 2.57 | 0.1374 | 3.2378 | 30 | 4 | W | |
| 1993 FC ₅ | 13.5 | 930314 | 55.04 | 296.34 | 174.92 | 12.87 | 0.1441 | 2.6082 | 30 | 4 | W | |
| 1993 FD ₅ | 15.0 | 930314 | 301.61 | 82.82 | 168.12 | 7.89 | 0.1079 | 2.5819 | 6 | 3 | W | |
| 1993 FE ₅ | 14.5 | 930314 | 253.80 | 274.31 | 28.02 | 4.62 | 0.1408 | 2.4724 | 6 | 6 | E | W |
| 1993 FF ₅ | 14.0 | 930314 | 210.00 | 308.49 | 27.55 | 4.56 | 0.0866 | 2.3644 | 6 | 6 | E | W |
| 1993 FG ₅ | 13.5 | 930314 | 12.97 | 104.90 | 62.13 | 2.82 | 0.0613 | 2.9365 | 30 | 4 | W | |
| 1993 FH ₅ | 12.5 | 930314 | 117.47 | 15.58 | 45.12 | 2.90 | 0.0411 | 2.8761 | 30 | 7 | W | |
| 1993 FJ ₅ | 16.0 | 930314 | 23.32 | 348.96 | 153.49 | 2.88 | 0.2381 | 2.5014 | 6 | 3 | W | |
| 1993 FK ₅ | 14.5 | 930314 | 74.36 | 75.02 | 24.80 | 4.95 | 0.0625 | 2.3742 | 6 | 5 | E | W |
| 1993 FL ₅ | 16.0 | 930314 | 306.52 | 105.84 | 141.26 | 2.62 | 0.1246 | 2.3842 | 6 | 6 | W | |
| 1993 FM ₅ | 14.0 | 930314 | 198.91 | 246.62 | 102.77 | 2.25 | 0.1873 | 2.6050 | 6 | 6 | E | W |
| 1993 FN ₅ | 15.0 | 930314 | 4.75 | 13.69 | 162.05 | 5.53 | 0.0851 | 2.5607 | 6 | 3 | W | |
| 1993 FO ₅ | 14.5 | 930314 | 262.23 | 213.01 | 95.90 | 2.08 | 0.2800 | 2.4083 | 6 | 6 | W | |
| 1993 FP ₅ | 13.5 | 930314 | 232.42 | 273.73 | 47.17 | 3.78 | 0.1277 | 3.0833 | 6 | 3 | W | |
| 1993 FR ₅ | 13.0 | 930314 | 196.01 | 271.97 | 75.14 | 2.79 | 0.0377 | 2.6492 | 30 | 4 | W | |
| 1993 FS ₅ | 13.0 | 930314 | 190.71 | 183.64 | 173.16 | 12.89 | 0.2517 | 2.6065 | 30 | 4 | W | |
| 1993 FT ₅ | 11.5 | 930314 | 37.56 | 334.25 | 167.69 | 9.96 | 0.0447 | 3.0613 | 30 | 4 | W | |
| 1993 FU ₅ | 15.0 | 930314 | 46.64 | 6.10 | 120.99 | 2.67 | 0.0817 | 2.2727 | 30 | 4 | W | |
| 1993 FV ₅ | 13.0 | 930314 | 312.77 | 122.98 | 120.62 | 2.27 | 0.1423 | 3.1657 | 6 | 6 | W | |
| 1993 FW ₅ | 13.0 | 930314 | 325.88 | 208.54 | 15.10 | 9.80 | 0.0990 | 2.9945 | 6 | 6 | W | |
| 1993 FX ₅ | 13.5 | 930314 | 212.53 | 265.35 | 74.25 | 2.62 | 0.1618 | 3.0984 | 6 | 6 | W | |
| 1993 FY ₅ | 14.5 | 930314 | 47.58 | 101.24 | 25.42 | 4.60 | 0.0790 | 2.3282 | 30 | 7 | W | |
| 1993 FZ ₅ | 14.0 | 930314 | 246.81 | 185.17 | 136.96 | 3.63 | 0.2940 | 2.4659 | 6 | 3 | W | |
| 1993 FA ₆ | 13.0 | 930314 | 246.98 | 167.68 | 148.67 | 5.48 | 0.2100 | 3.2233 | 6 | 3 | E | W |
| 1993 FB ₆ | 14.0 | 930314 | 78.16 | 37.92 | 48.68 | 2.76 | 0.1487 | 2.3323 | 6 | 6 | W | |
| 1993 FC ₆ | 15.0 | 930314 | 293.56 | 231.57 | 23.87 | 5.72 | 0.0693 | 2.2741 | 6 | 6 | W | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|--------|--------|--------|--------|-------|--------|--------|----|---|-----|-----------------------|------|--------|--------|--------|--------|-------|--------|--------|----|---|-----|
| 1993 FD ₆ | 14.5 | 930314 | 3.44 | 129.17 | 47.70 | 3.06 | 0.1618 | 2.7134 | 30 | 4 | W | 1993 FS ₈ | 14.0 | 930314 | 98.08 | 305.20 | 134.45 | 5.33 | 0.0399 | 2.7456 | 6 | 3 | W |
| 1993 FF ₆ | 15.5 | 930314 | 4.89 | 16.95 | 157.00 | 5.01 | 0.0463 | 2.3107 | 30 | 7 | W | 1993 FT ₈ | 13.0 | 930314 | 104.44 | 314.89 | 106.64 | 3.34 | 0.1559 | 2.4487 | 30 | 5 | W |
| 1993 FH ₆ | 13.0 | 930314 | 255.42 | 176.89 | 131.31 | 3.17 | 0.2232 | 3.1165 | 6 | 3 | W | 1993 FU ₈ | 15.0 | 930314 | 142.28 | 254.14 | 139.51 | 2.76 | 0.1046 | 2.2210 | 6 | 6 | W |
| 1993 FJ ₆ | 14.0 | 930314 | 8.56 | 73.78 | 94.17 | 2.11 | 0.1685 | 2.9396 | 30 | 4 | W | 1993 FV ₈ | 14.0 | 930314 | 62.36 | 81.52 | 21.10 | 8.16 | 0.1662 | 2.9254 | 6 | 5 | W |
| 1993 FK ₆ | 13.0 | 930314 | 93.41 | 14.68 | 59.44 | 3.25 | 0.1237 | 3.1430 | 30 | 4 | W | 1993 FW ₈ | 13.0 | 930314 | 176.73 | 309.66 | 57.42 | 2.92 | 0.0566 | 2.8859 | 30 | 8 | W |
| 1993 FL ₆ | 14.0 | 930314 | 294.66 | 152.64 | 97.98 | 2.04 | 0.0504 | 2.1394 | 30 | 4 | W | 1993 FX ₈ | 12.0 | 930314 | 34.15 | 19.49 | 127.39 | 3.04 | 0.0304 | 2.8880 | 6 | 7 | W |
| 1993 FM ₆ | 14.0 | 930314 | 217.95 | 235.43 | 93.21 | 2.47 | 0.0874 | 2.4115 | 30 | 4 | W | 1993 FY ₈ | 13.0 | 930314 | 241.39 | 252.56 | 56.94 | 4.31 | 0.0852 | 2.7945 | 30 | 5 | W |
| 1993 FN ₆ | 15.0 | 930314 | 313.75 | 212.64 | 20.92 | 7.00 | 0.0765 | 2.4201 | 30 | 4 | W | 1993 FZ ₈ | 12.5 | 930314 | 172.36 | 272.28 | 96.72 | 3.41 | 0.1264 | 2.6574 | 6 | 4 | E W |
| 1993 FO ₆ | 11.5 | 930314 | 245.08 | 261.92 | 59.85 | 3.49 | 0.2648 | 2.9155 | 6 | 3 | W | 1993 FA ₉ | 14.5 | 930314 | 41.90 | 348.88 | 130.16 | 4.80 | 0.2160 | 2.5728 | 30 | 5 | W |
| 1993 FP ₆ | 14.0 | 930314 | 247.62 | 142.80 | 164.05 | 11.21 | 0.1395 | 3.1512 | 6 | 3 | W | 1993 FB ₉ | 12.0 | 930314 | 256.90 | 223.31 | 79.94 | 3.58 | 0.1578 | 3.1601 | 30 | 4 | W |
| 1993 FQ ₆ | 14.0 | 930314 | 257.06 | 136.92 | 155.69 | 6.73 | 0.0889 | 2.5398 | 6 | 3 | E W | 1993 FC ₉ | 12.0 | 930314 | 224.16 | 214.76 | 108.33 | 3.51 | 0.0543 | 2.8812 | 30 | 4 | W |
| 1993 FR ₆ | 15.0 | 930314 | 77.69 | 267.11 | 166.92 | 12.21 | 0.2505 | 2.6737 | 6 | 3 | W | 1993 FD ₉ | 14.0 | 930314 | 58.61 | 81.28 | 9.07 | 24.19 | 0.2909 | 2.7603 | 32 | 0 | W |
| 1993 FS ₆ | 13.0 | 930314 | 176.37 | 301.47 | 61.45 | 3.37 | 0.0870 | 2.3164 | 30 | 7 | W | 1993 FE ₉ | 14.0 | 930314 | 4.69 | 20.32 | 154.37 | 8.44 | 0.2124 | 3.2199 | 6 | 3 | E W |
| 1993 FT ₆ | 15.0 | 930314 | 2.21 | 15.93 | 159.58 | 8.03 | 0.2053 | 2.5769 | 6 | 3 | W | 1993 FF ₉ | 15.5 | 930314 | 344.38 | 121.89 | 82.26 | 3.00 | 0.1823 | 2.6798 | 6 | 3 | W |
| 1993 FU ₆ | 13.0 | 930314 | 355.97 | 104.67 | 79.92 | 3.34 | 0.0429 | 2.9484 | 30 | 7 | W | 1993 FG ₉ | 15.0 | 930314 | 13.54 | 4.51 | 159.73 | 8.09 | 0.1496 | 3.0809 | 6 | 3 | W |
| 1993 FV ₆ | 14.5 | 930314 | 48.07 | 113.87 | 9.04 | 18.30 | 0.0924 | 2.6088 | 6 | 6 | W | 1993 FH ₉ | 15.0 | 930314 | 8.71 | 78.55 | 91.44 | 2.40 | 0.1728 | 3.0081 | 6 | 6 | W |
| 1993 FW ₆ | 12.5 | 930314 | 119.38 | 11.25 | 37.92 | 5.36 | 0.1298 | 2.7612 | 30 | 4 | W | 1993 FJ ₉ | 13.5 | 930314 | 322.37 | 191.72 | 27.28 | 7.99 | 0.0047 | 2.2055 | 30 | 7 | W |
| 1993 FX ₆ | 13.5 | 930314 | 251.88 | 144.15 | 157.96 | 8.90 | 0.1347 | 2.4517 | 6 | 3 | W | 1993 FK ₉ | 13.0 | 930314 | 96.36 | 38.15 | 37.60 | 5.75 | 0.0865 | 2.3439 | 30 | 4 | W |
| 1993 FY ₆ | 14.5 | 930314 | 264.77 | 227.87 | 63.17 | 3.56 | 0.1492 | 2.1634 | 30 | 4 | W | 1993 FL ₉ | 14.5 | 930314 | 252.55 | 163.36 | 141.46 | 5.52 | 0.1463 | 2.4177 | 30 | 7 | W |
| 1993 FZ ₆ | 13.5 | 930314 | 283.10 | 210.06 | 69.38 | 3.32 | 0.1986 | 2.4011 | 30 | 7 | W | 1993 FM ₉ | 14.5 | 930314 | 244.46 | 267.73 | 34.95 | 7.44 | 0.0569 | 2.3365 | 6 | 3 | W |
| 1993 FA ₇ | 14.0 | 930314 | 52.63 | 53.10 | 56.27 | 4.29 | 0.1725 | 2.7552 | 6 | 3 | W | 1993 FN ₉ | 13.5 | 930314 | 78.28 | 50.62 | 47.19 | 4.05 | 0.0511 | 2.3386 | 30 | 4 | W |
| 1993 FB ₇ | 15.5 | 930314 | 356.75 | 168.51 | 14.39 | 11.38 | 0.1221 | 2.3367 | 6 | 3 | W | 1993 FO ₉ | 14.5 | 930314 | 326.80 | 167.67 | 59.98 | 4.74 | 0.1759 | 2.5882 | 6 | 3 | W |
| 1993 FC ₇ | 14.0 | 930314 | 184.86 | 322.97 | 33.93 | 6.61 | 0.2046 | 2.2859 | 30 | 7 | W | 1993 FP ₉ | 13.5 | 930314 | 89.35 | 34.47 | 53.52 | 6.47 | 0.0472 | 3.1828 | 6 | 3 | W |
| 1993 FD ₇ | 15.0 | 930314 | 26.47 | 39.95 | 105.88 | 2.94 | 0.1304 | 2.7312 | 6 | 3 | W | 1993 FQ ₉ | 16.5 | 930314 | 12.44 | 120.63 | 42.95 | 2.86 | 0.1576 | 2.2479 | 30 | 7 | W |
| 1993 FE ₇ | 15.5 | 930314 | 341.61 | 128.71 | 73.99 | 3.26 | 0.1224 | 2.3711 | 6 | 3 | W | 1993 FR ₉ | 13.5 | 930314 | 235.96 | 159.56 | 154.90 | 8.15 | 0.0855 | 2.5606 | 6 | 3 | W |
| 1993 FF ₇ | 15.0 | 930314 | 295.38 | 218.20 | 35.32 | 4.88 | 0.0822 | 2.4224 | 30 | 7 | W | 1993 FT ₉ | 13.5 | 930314 | 334.62 | 45.41 | 168.45 | 12.95 | 0.1092 | 2.6481 | 6 | 3 | W |
| 1993 FG ₇ | 15.5 | 930314 | 48.01 | 334.93 | 140.58 | 4.93 | 0.1646 | 2.3668 | 6 | 3 | W | 1993 FU ₉ | 14.5 | 930314 | 296.32 | 108.28 | 172.32 | 12.36 | 0.2927 | 2.7306 | 6 | 3 | E W |
| 1993 FH ₇ | 14.0 | 930314 | 273.67 | 200.71 | 88.72 | 3.52 | 0.2034 | 2.3902 | 30 | 4 | W | 1993 FV ₉ | 14.0 | 930314 | 56.81 | 292.91 | 166.86 | 12.80 | 0.2357 | 2.6823 | 6 | 6 | W |
| 1993 FJ ₇ | 16.0 | 930314 | 10.46 | 62.04 | 103.67 | 3.14 | 0.1130 | 2.1862 | 6 | 3 | W | 1993 FW ₉ | 13.0 | 930314 | 271.03 | 222.34 | 67.94 | 3.09 | 0.1653 | 2.4557 | 30 | 4 | W |
| 1993 FK ₇ | 14.0 | 930314 | 60.89 | 84.08 | 22.98 | 10.30 | 0.1160 | 2.9135 | 6 | 3 | W | 1993 FX ₉ | 12.5 | 930314 | 18.81 | 78.61 | 81.46 | 3.66 | 0.0737 | 2.5235 | 30 | 7 | W |
| 1993 FL ₇ | 15.0 | 930314 | 327.20 | 48.12 | 169.20 | 16.28 | 0.0564 | 2.6306 | 6 | 3 | W | 1993 FY ₉ | 15.5 | 930314 | 21.73 | 29.79 | 123.25 | 2.81 | 0.1470 | 2.6308 | 6 | 3 | W |
| 1993 FM ₇ | 12.5 | 930314 | 115.97 | 314.34 | 109.31 | 3.42 | 0.0155 | 2.9086 | 30 | 4 | W | 1993 FZ ₉ | 14.0 | 930314 | 28.27 | 98.70 | 41.47 | 5.96 | 0.2039 | 3.1737 | 6 | 3 | W |
| 1993 FN ₇ | 12.0 | 930314 | 181.66 | 218.22 | 142.32 | 6.36 | 0.1539 | 3.0612 | 30 | 7 | W | 1993 FA ₁₀ | 14.5 | 930314 | 320.78 | 205.38 | 34.55 | 5.27 | 0.2111 | 2.6252 | 30 | 4 | W |
| 1993 FO ₇ | 13.0 | 930314 | 70.82 | 11.79 | 77.70 | 3.44 | 0.1738 | 2.3986 | 30 | 0 | W | 1993 FB ₁₀ | 13.0 | 930314 | 172.32 | 249.80 | 119.22 | 3.50 | 0.1926 | 2.4474 | 30 | 4 | W |
| 1993 FP ₇ | 13.5 | 930314 | 266.30 | 132.69 | 160.38 | 10.54 | 0.1619 | 2.7392 | 6 | 6 | W | 1993 FC ₁₀ | 12.5 | 930314 | 291.07 | 240.98 | 28.92 | 10.93 | 0.1672 | 2.7723 | 6 | 3 | W |
| 1993 FQ ₇ | 12.5 | 930314 | 78.99 | 75.68 | 19.87 | 11.70 | 0.0575 | 3.0094 | 6 | 6 | W | 1993 FD ₁₀ | 15.5 | 930314 | 81.94 | 27.00 | 53.29 | 4.20 | 0.1743 | 2.3233 | 6 | 3 | W |
| 1993 FR ₇ | 15.0 | 930314 | 30.84 | 68.35 | 75.90 | 3.98 | 0.0864 | 2.8175 | 6 | 6 | W | 1993 FE ₁₀ | 15.0 | 930314 | 313.70 | 111.13 | 137.10 | 2.83 | 0.2036 | 2.3437 | 6 | 6 | W |
| 1993 FS ₇ | 13.0 | 930314 | 160.96 | 308.58 | 64.88 | 4.06 | 0.2600 | 2.5920 | 6 | 3 | W | 1993 FG ₁₀ | 14.0 | 930314 | 105.54 | 29.66 | 29.61 | 6.84 | 0.1750 | 2.3002 | 6 | 3 | W |
| 1993 FT ₇ | 14.0 | 930314 | 237.40 | 224.14 | 98.89 | 3.37 | 0.2306 | 2.3786 | 30 | 0 | W | 1993 FH ₁₀ | 14.0 | 930314 | 35.32 | 330.50 | 161.71 | 6.01 | 0.1842 | 2.4715 | 6 | 3 | W |
| 1993 FU ₇ | 13.0 | 930314 | 239.29 | 276.27 | 34.93 | 7.51 | 0.1115 | 2.2913 | 30 | 4 | W | 1993 FI ₁₀ | 13.5 | 930314 | 279.23 | 251.80 | 21.38 | 7.36 | 0.0851 | 2.2834 | 31 | 7 | W |
| 1993 FV ₇ | 16.0 | 930314 | 342.40 | 92.34 | 108.39 | 3.26 | 0.0801 | 2.2712 | 6 | 6 | W | 1993 FL ₁₀ | 14.0 | 930314 | 328.96 | 45.45 | 174.54 | 13.07 | 0.0855 | 2.5255 | 30 | 4 | W |
| 1993 FX ₇ | 13.5 | 930314 | 105.11 | 22.19 | 34.29 | 7.78 | 0.1978 | 2.9625 | 6 | 3 | W | 1993 FN ₁₀ | 12.0 | 930314 | 200.59 | 269.14 | 79.23 | 3.15 | 0.1026 | 2.8855 | 30 | 7 | W |
| 1993 FY ₇ | 14.5 | 930314 | 56.60 | 347.26 | 129.76 | 4.96 | 0.0721 | 2.5436 | 6 | 3 | W | 1993 FO ₁₀ | 12.5 | 930314 | 53.44 | 296.59 | 176.09 | 16.60 | 0.1834 | 3.1616 | 30 | 7 | W |
| 1993 FA ₈ | 16.0 | 930314 | 305.51 | 168.15 | 75.29 | 3.65 | 0.0895 | 2.2448 | 30 | 4 | W | 1993 FP ₁₀ | 14.0 | 930314 | 88.40 | 304.40 | 134.51 | 3.23 | 0.1469 | 2.4130 | 30 | 7 | W |
| 1993 FB ₈ | 13.0 | 930314 | 276.01 | 209.70 | 76.90 | 3.80 | 0.1834 | 2.7774 | 30 | 7 | W | 1993 FR ₁₀ | 13.0 | 930314 | 268.65 | 255.94 | 31.82 | 5.94 | 0.1121 | 2.3589 | 30 | 7 | W |
| 1993 FC ₈ | 14.0 | 930314 | 120.65 | 347.47 | 69.99 | 2.92 | 0.0390 | 2.6273 | 30 | 4 | W | 1993 FS ₁₀ | 13.0 | 930314 | 225.50 | 150.60 | 173.40 | 6.97 | 0.0955 | 2.4609 | 28 | 7 | W |
| 1993 FD ₈ | 15.5 | 930314 | 20.67 | 78.19 | 73.83 | 3.21 | 0.1498 | 2.3747 | 30 | 4 | W | 1993 FT ₁₀ | 15.5 | 930314 | 10.23 | 3.65 | 161.97 | 3.54 | 0.1983 | 2.6233 | 5 | 6 | W |
| 1993 FE ₈ | 13.0 | 930314 | 219.27 | 246.95 | 85.54 | 4.19 | 0.1636 | 2.4697 | 30 | 7 | W | 1993 FV ₁₀ | 14.5 | 930314 | 3.95 | 31.98 | 143.43 | 2.18 | 0.1714 | 2.3422 | 5 | 6 | W |
| 1993 FF ₈ | 13.0 | 930314 | 191.23 | 247.16 | 107.72 | 3.38 | 0.1902 | 2.6513 | 6 | 3 | W | 1993 FW ₁₀ | 15.5 | 930314 | 345.03 | 49.76 | 153.08 | 2.79 | 0.1715 | 2.3654 | 28 | 4 | W |
| 1993 FG ₈ | 14.0 | 930314 | 156.09 | 209.51 | 169.71 | 12.36 | 0.1867 | 2.3078 | 30 | 4 | W | 1993 FX ₁₀ | 13.0 | 930314 | 268.65 | 121.14 | 159.12 | 4.91 | 0.0394 | 3.1929 | 4 | 3 | E W |
| 1993 FH ₈ | 15.0 | 930314 | 2.59 | 160.14 | 15.05 | 12.49 | 0.2494 | 2.6654 | 6 | 6 | W | 1993 FY ₁₀ | 14.5 | 930314 | 317.73 | 71.77 | 169.68 | 5.93 | 0.1898 | 2.2903 | 5 | 5 | W |
| 1993 FJ ₈ | 14 | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|------|--------|--------|--------|--------|-------|--------|--------|----|---|-----|-----------------------|------|--------|--------|--------|--------|-------|--------|--------|----|---|-----|
| 1993 FG ₁₁ | 14.5 | 930314 | 312.16 | 100.09 | 140.40 | 5.33 | 0.1027 | 2.7542 | 6 | 3 | W | 1993 FU ₁₃ | 12.5 | 930314 | 88.15 | 2.31 | 74.68 | 4.24 | 0.1531 | 2.2499 | 30 | 4 | W |
| 1993 FH ₁₁ | 12.0 | 930314 | 180.20 | 342.57 | 21.10 | 10.73 | 0.1536 | 2.4001 | 30 | 7 | W | 1993 FV ₁₃ | 12.0 | 930314 | 194.20 | 328.86 | 23.76 | 15.20 | 0.1476 | 2.6302 | 30 | 4 | W |
| 1993 FJ ₁₁ | 12.5 | 930314 | 283.08 | 125.77 | 166.46 | 11.20 | 0.2718 | 2.6898 | 30 | 4 | W | 1993 FW ₁₃ | 15.5 | 930314 | 47.52 | 33.44 | 85.21 | 3.90 | 0.1664 | 2.4292 | 6 | 6 | W |
| 1993 FK ₁₁ | 13.5 | 930314 | 271.83 | 144.23 | 133.89 | 3.72 | 0.0538 | 2.5961 | 30 | 7 | W | 1993 FX ₁₃ | 15.0 | 930314 | 125.76 | 272.71 | 142.17 | 4.79 | 0.0255 | 2.2259 | 6 | 3 | W |
| 1993 FL ₁₁ | 14.5 | 930314 | 316.21 | 162.50 | 78.13 | 3.07 | 0.1569 | 2.4619 | 6 | 3 | W | 1993 FZ ₁₃ | 14.5 | 930314 | 161.77 | 286.51 | 91.18 | 5.11 | 0.1242 | 2.3664 | 6 | 3 | W |
| 1993 FM ₁₁ | 14.0 | 930314 | 58.77 | 73.56 | 34.59 | 5.20 | 0.1441 | 2.2613 | 6 | 3 | W | 1993 FA ₁₄ | 13.0 | 930314 | 151.02 | 349.92 | 36.23 | 10.77 | 0.1314 | 2.7247 | 6 | 3 | W |
| 1993 FN ₁₁ | 14.5 | 930314 | 67.83 | 38.25 | 45.22 | 4.87 | 0.2793 | 2.6455 | 6 | 3 | W | 1993 FB ₁₄ | 14.5 | 930314 | 142.61 | 234.81 | 157.89 | 7.31 | 0.1544 | 2.4107 | 6 | 3 | W |
| 1993 FO ₁₁ | 13.0 | 930314 | 328.87 | 62.33 | 155.33 | 6.71 | 0.0441 | 2.6719 | 30 | 4 | W | 1993 FC ₁₄ | 11.5 | 930314 | 276.50 | 270.04 | 23.58 | 15.99 | 0.2315 | 3.1192 | 30 | 4 | W |
| 1993 FP ₁₁ | 12.5 | 930314 | 91.66 | 11.59 | 78.19 | 3.23 | 0.0274 | 2.9381 | 30 | 7 | W | 1993 FD ₁₄ | 14.5 | 930314 | 67.75 | 295.05 | 169.22 | 12.29 | 0.1087 | 2.5558 | 6 | 3 | W |
| 1993 FQ ₁₁ | 14.0 | 930314 | 215.84 | 212.26 | 118.77 | 3.61 | 0.0527 | 2.3899 | 6 | 3 | W | 1993 FE ₁₄ | 13.5 | 930314 | 40.66 | 34.72 | 94.02 | 4.88 | 0.1620 | 2.9821 | 6 | 3 | W |
| 1993 FR ₁₁ | 12.5 | 930314 | 262.31 | 127.93 | 171.94 | 13.67 | 0.1631 | 2.5658 | 30 | 4 | W | 1993 FF ₁₄ | 13.0 | 930314 | 320.74 | 207.91 | 24.42 | 14.28 | 0.1321 | 2.6596 | 30 | 4 | W |
| 1993 FS ₁₁ | 13.0 | 930314 | 66.47 | 309.20 | 160.85 | 6.81 | 0.0631 | 2.3428 | 30 | 4 | W | 1993 FG ₁₄ | 12.5 | 930314 | 320.05 | 200.10 | 35.94 | 8.37 | 0.1604 | 2.5497 | 30 | 4 | W |
| 1993 FT ₁₁ | 12.0 | 930314 | 94.29 | 47.93 | 23.84 | 11.34 | 0.1623 | 2.7741 | 6 | 3 | W | 1993 FH ₁₄ | 14.5 | 930314 | 338.44 | 83.62 | 123.40 | 4.74 | 0.0675 | 2.2626 | 30 | 4 | W |
| 1993 FV ₁₁ | 12.5 | 930314 | 88.53 | 335.92 | 100.91 | 3.65 | 0.1666 | 2.5833 | 30 | 4 | W | 1993 FJ ₁₄ | 15.0 | 930314 | 358.44 | 96.36 | 87.87 | 3.44 | 0.1336 | 2.3510 | 6 | 3 | W |
| 1993 FW ₁₁ | 14.0 | 930314 | 252.44 | 180.86 | 130.77 | 4.28 | 0.2049 | 2.2128 | 30 | 4 | W | 1993 FK ₁₄ | 14.0 | 930314 | 233.77 | 268.70 | 49.27 | 6.10 | 0.1003 | 2.2613 | 30 | 7 | W |
| 1993 FX ₁₁ | 14.0 | 930314 | 314.14 | 200.05 | 38.64 | 5.61 | 0.1125 | 2.3271 | 30 | 4 | W | 1993 FL ₁₄ | 12.0 | 930314 | 272.83 | 171.19 | 108.91 | 4.58 | 0.0802 | 2.5504 | 30 | 7 | W |
| 1993 FY ₁₁ | 14.0 | 930314 | 300.91 | 233.62 | 32.02 | 5.20 | 0.2124 | 2.3385 | 6 | 6 | W | 1993 FM ₁₄ | 13.5 | 930314 | 73.52 | 57.89 | 42.20 | 6.15 | 0.0819 | 2.2446 | 30 | 4 | W |
| 1993 FZ ₁₁ | 13.5 | 930314 | 204.86 | 286.98 | 59.83 | 5.17 | 0.1920 | 2.2909 | 30 | 4 | W | 1993 FN ₁₄ | 13.5 | 930314 | 169.42 | 299.14 | 72.86 | 4.65 | 0.1371 | 2.2002 | 30 | 7 | W |
| 1993 FA ₁₂ | 13.0 | 930314 | 74.67 | 318.48 | 142.32 | 4.72 | 0.0892 | 3.1049 | 30 | 7 | W | 1993 FO ₁₄ | 14.5 | 930314 | 345.73 | 131.70 | 70.11 | 4.39 | 0.1636 | 2.3328 | 30 | 4 | W |
| 1993 FB ₁₂ | 14.5 | 930314 | 169.68 | 292.09 | 80.55 | 2.83 | 0.1159 | 2.2351 | 6 | 6 | W | 1993 FP ₁₄ | 13.5 | 930314 | 274.84 | 249.20 | 38.39 | 7.34 | 0.1691 | 2.2637 | 30 | 7 | W |
| 1993 FC ₁₂ | 15.5 | 930314 | 28.49 | 349.65 | 154.64 | 6.23 | 0.1513 | 2.3166 | 6 | 3 | W | 1993 FQ ₁₄ | 14.5 | 930314 | 7.11 | 19.04 | 154.67 | 7.77 | 0.1543 | 2.6682 | 6 | 3 | W |
| 1993 FD ₁₂ | 14.0 | 930314 | 36.13 | 3.44 | 141.43 | 4.98 | 0.0452 | 2.5242 | 6 | 3 | W | 1993 FR ₁₄ | 13.0 | 930314 | 181.22 | 253.36 | 111.14 | 6.11 | 0.2190 | 2.7088 | 6 | 3 | W |
| 1993 FE ₁₂ | 12.0 | 930314 | 79.64 | 345.99 | 101.06 | 3.67 | 0.1517 | 2.4490 | 30 | 4 | W | 1993 FS ₁₄ | 11.0 | 930314 | 137.34 | 292.26 | 105.42 | 6.43 | 0.1549 | 3.1695 | 30 | 4 | W |
| 1993 FF ₁₂ | 12.0 | 930314 | 65.16 | 87.16 | 30.33 | 10.25 | 0.0261 | 3.2194 | 30 | 4 | W | 1993 FT ₁₄ | 12.5 | 930314 | 42.98 | 344.49 | 131.80 | 5.54 | 0.2460 | 2.5971 | 30 | 4 | W |
| 1993 FG ₁₂ | 12.0 | 930314 | 62.89 | 292.44 | 174.85 | 14.92 | 0.1465 | 3.1542 | 30 | 7 | W | 1993 FU ₁₄ | 13.0 | 930314 | 232.85 | 237.01 | 81.75 | 6.34 | 0.0747 | 3.1651 | 6 | 3 | W |
| 1993 FH ₁₂ | 14.0 | 930314 | 342.18 | 100.80 | 106.04 | 3.22 | 0.1465 | 2.3865 | 30 | 4 | W | 1993 FV ₁₄ | 13.0 | 930314 | 233.34 | 190.26 | 135.74 | 6.75 | 0.1884 | 2.2561 | 30 | 4 | W |
| 1993 FJ ₁₂ | 15.0 | 930314 | 329.52 | 180.83 | 49.44 | 3.88 | 0.2224 | 2.5400 | 6 | 3 | E W | 1993 FW ₁₄ | 14.0 | 930314 | 288.70 | 184.06 | 99.34 | 4.76 | 0.2492 | 2.3267 | 6 | 3 | W |
| 1993 FL ₁₂ | 14.0 | 930314 | 75.39 | 16.62 | 75.39 | 4.87 | 0.1590 | 3.1414 | 6 | 3 | E W | 1993 FX ₁₄ | 13.0 | 930314 | 49.92 | 333.41 | 150.17 | 9.11 | 0.1227 | 3.1288 | 6 | 3 | W |
| 1993 FM ₁₂ | 13.5 | 930314 | 244.58 | 278.90 | 37.56 | 6.89 | 0.1619 | 2.7556 | 6 | 3 | E W | 1993 FY ₁₄ | 11.5 | 930314 | 232.91 | 285.79 | 35.03 | 12.56 | 0.1072 | 2.9757 | 6 | 3 | W |
| 1993 FN ₁₂ | 11.5 | 930314 | 277.17 | 230.99 | 52.57 | 5.65 | 0.1272 | 3.2113 | 30 | 4 | W | 1993 FZ ₁₄ | 13.0 | 930314 | 314.72 | 103.01 | 139.78 | 5.83 | 0.1278 | 3.1954 | 30 | 4 | W |
| 1993 FO ₁₂ | 13.0 | 930314 | 316.85 | 184.16 | 51.13 | 4.73 | 0.1009 | 2.3358 | 30 | 3 | W | 1993 FA ₁₅ | 12.5 | 930314 | 179.96 | 313.72 | 50.72 | 7.70 | 0.1256 | 2.4007 | 30 | 4 | W |
| 1993 FP ₁₂ | 13.0 | 930314 | 48.64 | 307.25 | 163.92 | 7.71 | 0.2428 | 2.7296 | 30 | 7 | W | 1993 FB ₁₅ | 12.5 | 930314 | 289.05 | 233.91 | 32.30 | 11.47 | 0.0961 | 2.8038 | 6 | 3 | W |
| 1993 FQ ₁₂ | 13.5 | 930314 | 333.29 | 102.98 | 114.14 | 3.45 | 0.1140 | 2.3958 | 30 | 4 | W | 1993 FC ₁₅ | 14.5 | 930314 | 289.87 | 224.52 | 40.06 | 7.83 | 0.0983 | 2.3323 | 6 | 6 | W |
| 1993 FR ₁₂ | 13.0 | 930314 | 26.26 | 50.07 | 99.53 | 3.59 | 0.1325 | 2.4618 | 30 | 4 | W | 1993 FD ₁₅ | 13.0 | 930314 | 190.63 | 269.99 | 87.94 | 5.61 | 0.1632 | 2.5745 | 6 | 3 | W |
| 1993 FS ₁₂ | 14.0 | 930314 | 86.48 | 321.57 | 117.28 | 3.31 | 0.1730 | 2.3785 | 30 | 4 | W | 1993 FE ₁₅ | 12.0 | 930314 | 42.40 | 332.33 | 160.41 | 11.91 | 0.1122 | 2.5975 | 6 | 4 | W |
| 1993 FT ₁₂ | 13.0 | 930314 | 254.86 | 227.73 | 82.75 | 3.94 | 0.1897 | 2.6743 | 6 | 3 | W | 1993 FF ₁₅ | 14.5 | 930314 | 265.53 | 225.91 | 73.48 | 3.83 | 0.2000 | 2.4070 | 6 | 3 | W |
| 1993 FV ₁₂ | 15.5 | 930314 | 331.04 | 91.21 | 135.43 | 4.42 | 0.1978 | 2.5932 | 6 | 3 | W | 1993 FG ₁₅ | 12.5 | 930314 | 249.44 | 196.75 | 107.76 | 5.56 | 0.1018 | 2.5675 | 6 | 3 | W |
| 1993 FW ₁₂ | 14.0 | 930314 | 113.76 | 264.79 | 158.16 | 6.70 | 0.0814 | 2.2445 | 6 | 3 | W | 1993 FH ₁₅ | 12.5 | 930314 | 155.32 | 271.93 | 114.42 | 5.88 | 0.0661 | 2.9571 | 6 | 3 | W |
| 1993 FX ₁₂ | 13.5 | 930314 | 329.42 | 136.63 | 80.24 | 4.32 | 0.0270 | 2.5022 | 6 | 3 | W | 1993 FJ ₁₅ | 15.5 | 930314 | 353.00 | 66.31 | 125.81 | 5.34 | 0.1584 | 2.5702 | 6 | 3 | W |
| 1993 FY ₁₂ | 11.5 | 930314 | 318.90 | 69.12 | 164.70 | 9.42 | 0.0815 | 2.8516 | 30 | 4 | W | 1993 FK ₁₅ | 13.5 | 930314 | 356.64 | 74.65 | 112.28 | 4.92 | 0.0893 | 2.2866 | 30 | 4 | W |
| 1993 FA ₁₃ | 13.5 | 930403 | 192.38 | 193.39 | 170.19 | 1.93 | 0.0353 | 2.8779 | 28 | 5 | W | 1993 FM ₁₅ | 12.0 | 930314 | 241.04 | 302.03 | 26.37 | 14.89 | 0.2712 | 3.0108 | 6 | 4 | W |
| 1993 FB ₁₃ | 13.5 | 930314 | 171.71 | 290.62 | 79.25 | 4.60 | 0.0805 | 2.5309 | 6 | 4 | W | 1993 FN ₁₅ | 14.0 | 930314 | 124.67 | 8.24 | 38.20 | 9.83 | 0.1549 | 2.2353 | 6 | 4 | W |
| 1993 FC ₁₃ | 13.0 | 930314 | 0.60 | 89.06 | 91.46 | 3.42 | 0.1322 | 2.3956 | 30 | 4 | W | 1993 FP ₁₅ | 11.5 | 930314 | 236.88 | 166.60 | 163.26 | 12.33 | 0.2360 | 2.9778 | 6 | 4 | E W |
| 1993 FD ₁₃ | 12.0 | 930314 | 323.16 | 169.58 | 63.24 | 5.88 | 0.1645 | 3.1908 | 6 | 3 | W | 1993 FQ ₁₅ | 12.0 | 930314 | 10.81 | 30.71 | 143.67 | 9.57 | 0.0809 | 3.9489 | 30 | 4 | W |
| 1993 FE ₁₃ | 12.0 | 930314 | 135.65 | 353.63 | 49.17 | 6.09 | 0.0620 | 2.7607 | 30 | 4 | W | 1993 FR ₁₅ | 13.5 | 930314 | 61.15 | 336.02 | 131.80 | 7.06 | 0.1567 | 3.1484 | 6 | 3 | E W |
| 1993 FF ₁₃ | 15.0 | 930314 | 229.23 | 267.08 | 51.57 | 5.76 | 0.0700 | 2.3391 | 6 | 3 | W | 1993 FS ₁₅ | 14.5 | 930314 | 356.82 | 31.83 | 156.96 | 7.07 | 0.1229 | 2.5507 | 6 | 3 | E W |
| 1993 FG ₁₃ | 15.0 | 930314 | 32.73 | 15.05 | 119.76 | 4.17 | 0.1938 | 2.8129 | 6 | 3 | W | 1993 FT ₁₅ | 14.0 | 930314 | 115.21 | 315.85 | 100.63 | 3.44 | 0.1529 | 2.4825 | 6 | 6 | W |
| 1993 FJ ₁₃ | 13.0 | 930314 | 77.20 | 56.84 | 38.10 | 9.06 | 0.0953 | 3.0667 | 6 | 3 | W | 1993 FV ₁₅ | 13.0 | 930403 | 45.36 | 94.63 | 29.86 | 8.91 | 0.2110 | 3.0600 | 43 | 9 | W |
| 1993 FK ₁₃ | 13.0 | 930314 | 238.03 | 272.53 | 43.29 | 7.08 | 0.1293 | 2.3466 | 30 | 4 | W | 1993 FW ₁₅ | 14.0 | 930314 | 317.04 | 125.44 | 104.43 | 4.21 | 0.0219 | 2.4826 | 30 | 4 | W |
| 1993 FL ₁₃ | 12.5 | 930314 | 230.61 | 300.96 | 27.57 | 12.05 | 0.2089 | 2.7176 | 6 | 3 | W | 1993 FX ₁₅ | 12.0 | 930314 | 260.35 | 265.08 | 31.68 | 10.37 | 0.0947 | 3.0356 | 30 | 4 | W |
| 1993 FM ₁₃ | 13.0 | 930314 | 186.03 | 305.39 | 55.44 | 4.97 | 0.2426 | 2.6815 | 6 | 3 | W | 1993 FY ₁₅ | 12.0 | 930 | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|------|--------|--------|--------|--------|-------|--------|--------|----|---|-----|-----------------------|------|--------|--------|--------|--------|-------|--------|--------|----|---|-----|
| 1993 FG ₁₆ | 14.0 | 930314 | 39.35 | 352.39 | 141.19 | 4.92 | 0.1500 | 2.5403 | 6 | 3 | W | 1993 FT ₁₈ | 14.0 | 930314 | 104.94 | 355.10 | 64.84 | 7.61 | 0.2112 | 2.3029 | 6 | 3 | W |
| 1993 FH ₁₆ | 14.5 | 930314 | 31.13 | 39.19 | 106.67 | 3.28 | 0.1223 | 2.3843 | 30 | 4 | W | 1993 FU ₁₈ | 13.0 | 930314 | 12.36 | 78.69 | 94.30 | 5.91 | 0.0940 | 3.1621 | 30 | 4 | W |
| 1993 FJ ₁₆ | 12.5 | 930314 | 214.15 | 266.73 | 77.13 | 4.05 | 0.2025 | 2.2708 | 30 | 4 | W | 1993 FV ₁₈ | 13.5 | 930314 | 288.30 | 205.44 | 70.28 | 4.53 | 0.1563 | 2.2792 | 30 | 4 | W |
| 1993 FK ₁₆ | 14.5 | 930314 | 321.21 | 191.96 | 48.00 | 5.61 | 0.1765 | 2.5433 | 32 | 4 | W | 1993 FW ₁₈ | 15.0 | 930314 | 266.99 | 139.92 | 147.30 | 8.44 | 0.0700 | 2.2498 | 6 | 3 | W |
| 1993 FL ₁₆ | 13.0 | 930314 | 236.16 | 270.09 | 58.90 | 5.11 | 0.2155 | 2.1881 | 6 | 4 | E W | 1993 FX ₁₈ | 13.5 | 930314 | 68.47 | 49.87 | 49.78 | 10.76 | 0.1699 | 3.1086 | 6 | 3 | W |
| 1993 FM ₁₆ | 11.5 | 930314 | 131.01 | 342.52 | 67.98 | 5.94 | 0.1062 | 3.2599 | 30 | 4 | W | 1993 FY ₁₈ | 14.0 | 930314 | 344.41 | 154.12 | 49.89 | 5.87 | 0.0621 | 2.3918 | 6 | 3 | W |
| 1993 FN ₁₆ | 12.5 | 930314 | 261.88 | 164.70 | 130.74 | 5.07 | 0.0750 | 2.7726 | 30 | 4 | W | 1993 FZ ₁₈ | 13.0 | 930314 | 280.04 | 211.80 | 71.59 | 6.15 | 0.1509 | 2.3358 | 30 | 4 | W |
| 1993 FO ₁₆ | 13.5 | 930314 | 108.44 | 301.88 | 124.58 | 4.78 | 0.1294 | 2.4438 | 6 | 3 | W | 1993 FA ₁₉ | 13.5 | 930314 | 355.47 | 62.79 | 131.39 | 5.75 | 0.0939 | 3.1718 | 6 | 3 | E W |
| 1993 FP ₁₆ | 13.5 | 930314 | 179.03 | 258.59 | 111.05 | 4.52 | 0.1609 | 2.3491 | 6 | 3 | E W | 1993 FC ₁₉ | 13.0 | 930314 | 109.96 | 294.06 | 131.40 | 5.97 | 0.1407 | 3.0099 | 6 | 3 | W |
| 1993 FQ ₁₆ | 14.0 | 930314 | 236.91 | 221.85 | 97.23 | 4.08 | 0.0967 | 2.1658 | 6 | 3 | W | 1993 FD ₁₉ | 14.0 | 930314 | 341.43 | 69.44 | 137.95 | 6.65 | 0.0864 | 2.2433 | 30 | 4 | W |
| 1993 FS ₁₆ | 13.5 | 930314 | 289.13 | 161.77 | 120.23 | 2.43 | 0.2352 | 2.8124 | 5 | 6 | E W | 1993 FE ₁₉ | 14.0 | 930314 | 18.92 | 47.71 | 117.81 | 6.22 | 0.0869 | 3.0106 | 30 | 4 | W |
| 1993 FT ₁₆ | 13.0 | 930314 | 177.91 | 300.72 | 64.65 | 2.54 | 0.1352 | 2.1976 | 5 | 6 | E W | 1993 FF ₁₉ | 12.5 | 930314 | 73.34 | 314.38 | 147.40 | 9.26 | 0.1129 | 2.7296 | 6 | 3 | W |
| 1993 FU ₁₆ | 12.5 | 930314 | 193.58 | 243.98 | 114.26 | 2.92 | 0.2862 | 2.8951 | 5 | 6 | E W | 1993 FG ₁₉ | 13.0 | 930314 | 147.11 | 316.07 | 78.84 | 5.32 | 0.1179 | 2.5582 | 6 | 3 | W |
| 1993 FV ₁₆ | 14.0 | 930314 | 253.79 | 205.03 | 101.20 | 2.38 | 0.1523 | 2.4080 | 5 | 6 | W | 1993 FH ₁₉ | 13.0 | 930314 | 90.70 | 348.73 | 97.72 | 6.79 | 0.0928 | 2.7628 | 30 | 4 | W |
| 1993 FW ₁₆ | 13.0 | 930314 | 257.36 | 240.94 | 68.16 | 3.05 | 0.2017 | 2.9867 | 5 | 6 | W | 1993 FJ ₁₉ | 13.0 | 930314 | 159.56 | 221.58 | 163.60 | 13.12 | 0.1171 | 2.5170 | 30 | 4 | W |
| 1993 FX ₁₆ | 14.0 | 930314 | 237.70 | 151.62 | 167.26 | 7.36 | 0.1371 | 2.3321 | 28 | 7 | W | 1993 FK ₁₉ | 13.0 | 930314 | 80.89 | 44.44 | 56.15 | 6.53 | 0.0606 | 2.7906 | 6 | 3 | W |
| 1993 FY ₁₆ | 14.5 | 930314 | 355.26 | 140.89 | 48.29 | 3.04 | 0.1205 | 2.3831 | 5 | 7 | E W | 1993 FL ₁₉ | 14.5 | 930314 | 291.91 | 109.23 | 162.25 | 11.12 | 0.1362 | 2.6325 | 6 | 3 | W |
| 1993 FZ ₁₆ | 16.0 | 930314 | 33.13 | 321.57 | 175.53 | 12.57 | 0.1846 | 2.7410 | 4 | 3 | W | 1993 FN ₁₉ | 14.0 | 930314 | 330.36 | 119.38 | 100.86 | 5.37 | 0.0901 | 2.1887 | 30 | 4 | W |
| 1993 FA ₁₇ | 16.5 | 930314 | 0.32 | 8.19 | 174.58 | 11.15 | 0.1636 | 2.3640 | 4 | 6 | W | 1993 FO ₁₉ | 12.5 | 930314 | 325.75 | 67.93 | 167.63 | 15.69 | 0.1626 | 3.1294 | 30 | 4 | W |
| 1993 FB ₁₇ | 13.5 | 930314 | 278.05 | 105.52 | 177.89 | 16.29 | 0.1275 | 3.1269 | 28 | 4 | W | 1993 FP ₁₉ | 13.5 | 930314 | 41.88 | 350.70 | 148.82 | 7.80 | 0.0925 | 3.0672 | 30 | 4 | W |
| 1993 FC ₁₇ | 15.5 | 930314 | 309.60 | 80.56 | 163.14 | 6.17 | 0.0990 | 2.2017 | 4 | 5 | W | 1993 FQ ₁₉ | 15.0 | 930314 | 352.44 | 40.74 | 157.44 | 11.05 | 0.1469 | 2.9736 | 6 | 3 | W |
| 1993 FD ₁₇ | 14.5 | 930314 | 40.95 | 72.90 | 57.58 | 3.36 | 0.1519 | 2.5643 | 5 | 6 | W | 1993 FR ₁₉ | 13.5 | 930314 | 29.86 | 3.30 | 148.41 | 10.53 | 0.1111 | 3.2115 | 6 | 3 | W |
| 1993 FE ₁₇ | 16.0 | 930314 | 12.27 | 8.48 | 156.84 | 4.93 | 0.1893 | 2.3696 | 28 | 7 | W | 1993 FS ₁₉ | 13.5 | 930314 | 78.35 | 36.43 | 41.85 | 12.12 | 0.2688 | 2.7082 | 6 | 3 | E W |
| 1993 FF ₁₇ | 15.0 | 930314 | 267.17 | 146.26 | 152.53 | 4.84 | 0.1851 | 2.2357 | 28 | 7 | W | 1993 FT ₁₉ | 13.0 | 930314 | 240.39 | 278.76 | 48.37 | 7.89 | 0.2239 | 2.3592 | 30 | 4 | W |
| 1993 FG ₁₇ | 14.5 | 930314 | 199.76 | 239.84 | 107.69 | 3.10 | 0.0384 | 2.3329 | 5 | 6 | E W | 1993 FU ₁₉ | 13.0 | 930314 | 202.99 | 263.11 | 91.05 | 6.17 | 0.2272 | 2.4843 | 6 | 3 | W |
| 1993 FH ₁₇ | 14.0 | 930314 | 42.18 | 320.93 | 157.83 | 8.83 | 0.2525 | 2.7598 | 6 | 4 | W | 1993 FV ₁₉ | 12.5 | 930314 | 154.59 | 245.82 | 141.49 | 10.70 | 0.2198 | 3.1478 | 6 | 3 | E W |
| 1993 FJ ₁₇ | 15.0 | 930314 | 24.69 | 74.46 | 81.84 | 4.58 | 0.0797 | 2.5531 | 6 | 4 | E W | 1993 FW ₁₉ | 12.5 | 930314 | 164.96 | 275.12 | 106.48 | 6.11 | 0.1708 | 3.1662 | 6 | 3 | E W |
| 1993 FK ₁₇ | 14.0 | 930314 | 140.22 | 338.17 | 64.22 | 6.69 | 0.0442 | 2.6061 | 6 | 3 | W | 1993 FX ₁₉ | 13.5 | 930314 | 7.53 | 129.13 | 48.28 | 11.29 | 0.1150 | 3.0181 | 6 | 3 | W |
| 1993 FL ₁₇ | 15.5 | 930314 | 341.43 | 145.59 | 63.48 | 5.44 | 0.1622 | 2.3471 | 6 | 3 | W | 1993 FY ₁₉ | 13.5 | 930314 | 73.57 | 321.44 | 144.23 | 7.32 | 0.0789 | 2.5539 | 30 | 4 | W |
| 1993 FM ₁₇ | 13.5 | 930314 | 284.31 | 169.58 | 113.35 | 4.77 | 0.1834 | 2.6291 | 6 | 3 | W | 1993 FZ ₁₉ | 13.0 | 930314 | 36.45 | 102.05 | 46.62 | 11.08 | 0.0412 | 3.0071 | 6 | 3 | W |
| 1993 FN ₁₇ | 13.0 | 930314 | 26.08 | 334.35 | 168.94 | 16.20 | 0.2460 | 3.1030 | 6 | 6 | W | 1993 FA ₂₀ | 11.5 | 930314 | 147.51 | 337.80 | 56.10 | 10.61 | 0.1452 | 3.0475 | 30 | 4 | W |
| 1993 FO ₁₇ | 13.0 | 930314 | 150.12 | 340.06 | 52.95 | 9.63 | 0.0629 | 3.0169 | 6 | 3 | W | 1993 FB ₂₀ | 13.0 | 930314 | 98.49 | 19.84 | 52.93 | 8.60 | 0.1544 | 2.5846 | 30 | 4 | W |
| 1993 FP ₁₇ | 13.0 | 930314 | 47.34 | 4.99 | 117.16 | 6.48 | 0.1760 | 3.1929 | 6 | 3 | E W | 1993 FC ₂₀ | 14.5 | 930314 | 19.92 | 29.89 | 135.23 | 7.18 | 0.0392 | 2.3050 | 30 | 4 | W |
| 1993 FQ ₁₇ | 13.5 | 930314 | 57.69 | 350.67 | 123.50 | 6.07 | 0.1202 | 2.2860 | 30 | 4 | W | 1993 FD ₂₀ | 13.5 | 930314 | 103.07 | 17.57 | 56.84 | 6.07 | 0.0883 | 2.2057 | 30 | 4 | W |
| 1993 FR ₁₇ | 14.5 | 930314 | 114.44 | 324.40 | 91.05 | 5.09 | 0.1670 | 2.2431 | 6 | 3 | W | 1993 FE ₂₀ | 14.0 | 930314 | 93.30 | 343.18 | 104.27 | 5.31 | 0.0614 | 2.4184 | 30 | 4 | W |
| 1993 FS ₁₇ | 14.5 | 930314 | 297.21 | 148.19 | 122.80 | 5.84 | 0.1993 | 2.6152 | 6 | 6 | W | 1993 FF ₂₀ | 14.0 | 930314 | 44.42 | 29.27 | 102.81 | 5.55 | 0.1259 | 2.7032 | 30 | 4 | W |
| 1993 FT ₁₇ | 14.5 | 930314 | 12.69 | 127.36 | 43.21 | 6.94 | 0.0636 | 2.3665 | 6 | 3 | W | 1993 FH ₂₀ | 15.0 | 930314 | 125.71 | 115.12 | 285.77 | 1.75 | 0.1984 | 2.3785 | 27 | 6 | W |
| 1993 FW ₁₇ | 12.5 | 930314 | 168.78 | 297.70 | 79.09 | 5.38 | 0.1036 | 2.7554 | 6 | 3 | W | 1993 FJ ₂₀ | 15.0 | 930403 | 13.58 | 284.88 | 245.12 | 1.59 | 0.1340 | 2.3965 | 29 | 7 | W |
| 1993 FX ₁₇ | 13.5 | 930314 | 73.05 | 335.61 | 124.11 | 5.92 | 0.1091 | 2.2826 | 30 | 4 | W | 1993 FK ₂₀ | 12.0 | 930403 | 253.24 | 118.25 | 191.14 | 17.19 | 0.1604 | 3.2341 | 29 | 4 | W |
| 1993 FY ₁₇ | 14.5 | 930314 | 133.57 | 270.94 | 135.58 | 7.20 | 0.0754 | 2.3028 | 6 | 3 | W | 1993 FL ₂₀ | 12.5 | 930314 | 187.91 | 5.51 | 353.02 | 9.66 | 0.1989 | 3.0378 | 5 | 3 | E W |
| 1993 FZ ₁₇ | 14.0 | 930314 | 255.44 | 147.59 | 149.73 | 7.50 | 0.0611 | 2.3119 | 6 | 3 | W | 1993 FM ₂₀ | 13.0 | 930403 | 151.19 | 194.86 | 197.37 | 8.64 | 0.0618 | 3.1854 | 29 | 7 | W |
| 1993 FA ₁₈ | 13.5 | 930314 | 342.64 | 101.53 | 103.30 | 5.28 | 0.0936 | 2.1986 | 30 | 4 | W | 1993 FN ₂₀ | 13.0 | 930403 | 134.36 | 129.08 | 276.93 | 1.75 | 0.0866 | 2.7204 | 29 | 4 | W |
| 1993 FC ₁₈ | 13.0 | 930314 | 315.26 | 180.24 | 68.40 | 4.11 | 0.1970 | 2.3743 | 6 | 3 | W | 1993 FO ₂₀ | 14.5 | 930314 | 355.71 | 70.70 | 119.70 | 3.05 | 0.0976 | 2.3033 | 5 | 7 | W |
| 1993 FD ₁₈ | 12.5 | 930314 | 197.52 | 310.47 | 47.19 | 10.79 | 0.2784 | 2.7514 | 30 | 4 | W | 1993 FP ₂₀ | 14.5 | 930314 | 3.69 | 11.68 | 169.94 | 9.55 | 0.0581 | 2.2812 | 5 | 6 | E W |
| 1993 FE ₁₈ | 12.5 | 930314 | 279.40 | 264.21 | 30.19 | 14.04 | 0.2275 | 3.0501 | 6 | 3 | E W | 1993 FQ ₂₀ | 13.5 | 930314 | 71.95 | 318.69 | 134.78 | 4.21 | 0.1875 | 2.5417 | 28 | 7 | W |
| 1993 FF ₁₈ | 12.0 | 930314 | 296.28 | 152.82 | 114.40 | 5.84 | 0.1423 | 3.0688 | 30 | 4 | W | 1993 FR ₂₀ | 15.5 | 930314 | 272.24 | 218.89 | 74.42 | 3.91 | 0.1634 | 2.3206 | 5 | 6 | E W |
| 1993 FG ₁₈ | 15.0 | 930314 | 304.37 | 116.83 | 133.38 | 6.86 | 0.0870 | 2.4224 | 30 | 4 | W | 1993 FS ₂₀ | 15.5 | 930314 | 215.94 | 208.24 | 135.10 | 4.71 | 0.2031 | 2.1640 | 4 | 3 | W |
| 1993 FH ₁₈ | 14.5 | 930314 | 14.65 | 52.32 | 115.03 | 4.21 | 0.0994 | 2.3203 | 30 | 4 | W | 1993 FU ₂₀ | 14.5 | 930314 | 39.96 | 339.40 | 152.64 | 5.83 | 0.1717 | 2.3875 | 28 | 7 | W |
| 1993 FJ ₁₈ | 13.5 | 930314 | 257.81 | 208.76 | 109.46 | 7.27 | 0.2808 | 2.8252 | 6 | 3 | W | 1993 FV ₂₀ | 16.0 | 930314 | 310.27 | 249.54 | 8.09 | 2.51 | 0.2077 | 2.4138 | 5 | 3 | E W |
| 1993 FK ₁₈ | 14.0 | 930314 | 317.85 | 173.28 | 70.01 | 4.98 | 0.1701 | 2.5475 | 30 | 4 | W | 1993 FW ₂₀ | 12.0 | 930314 | 129.14 | 35.32 | 13.21 | 11.57 | 0.1717 | 3.0730 | 6 | 4 | E W |
| 1993 FL ₁₈ | 13.0 | 930314 | 133.38 | 318.52 | 90.06 | 5.05 | 0.0790 | 2.7463 | 30 | 4 | W | 1993 FX ₂₀ | 13.5 | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|------|--------|--------|--------|--------|-------|--------|--------|----|---|-----|-----------------------|------|--------|--------|--------|--------|-------|--------|--------|----|---|-----|
| 1993 FG ₂₁ | 14.5 | 930403 | 34.02 | 210.99 | 305.75 | 0.91 | 0.0498 | 3.0063 | 26 | 4 | W | 1993 FA ₂₄ | 15.5 | 930403 | 22.40 | 234.74 | 289.89 | 0.70 | 0.1653 | 2.7904 | 26 | 4 | W |
| 1993 FH ₂₁ | 14.0 | 930314 | 244.76 | 319.75 | 7.61 | 8.07 | 0.2548 | 2.3185 | 5 | 3 | W | 1993 FB ₂₄ | 14.0 | 930403 | 242.43 | 335.99 | 354.00 | 4.82 | 0.1807 | 2.1881 | 26 | 5 | W |
| 1993 FJ ₂₁ | 14.0 | 930314 | 279.33 | 283.85 | 9.97 | 4.39 | 0.2056 | 2.7785 | 5 | 3 | E W | 1993 FC ₂₄ | 14.5 | 930314 | 267.21 | 285.13 | 359.30 | 2.01 | 0.0132 | 2.3483 | 5 | 3 | E W |
| 1993 FK ₂₁ | 14.0 | 930314 | 54.75 | 283.84 | 194.49 | 1.17 | 0.1453 | 2.5370 | 6 | 4 | E W | 1993 FD ₂₄ | 15.0 | 930314 | 307.67 | 60.91 | 212.30 | 2.03 | 0.2822 | 2.6010 | 6 | 4 | E W |
| 1993 FL ₂₁ | 14.0 | 930403 | 329.49 | 43.32 | 192.44 | 19.15 | 0.1604 | 3.0592 | 28 | 4 | W | 1993 FE ₂₄ | 14.0 | 930403 | 7.57 | 295.41 | 245.28 | 1.70 | 0.1322 | 2.5378 | 31 | 4 | W |
| 1993 FM ₂₁ | 14.5 | 930314 | 304.05 | 282.42 | 355.03 | 3.20 | 0.2798 | 3.1628 | 5 | 3 | W | 1993 FF ₂₄ | 14.5 | 930314 | 274.53 | 316.73 | 331.11 | 2.10 | 0.1504 | 2.4314 | 5 | 3 | W |
| 1993 FN ₂₁ | 15.5 | 930403 | 144.85 | 205.07 | 198.79 | 5.85 | 0.0853 | 2.3589 | 28 | 5 | W | 1993 FG ₂₄ | 12.0 | 930403 | 279.69 | 87.50 | 194.89 | 9.79 | 0.1042 | 3.0482 | 31 | 7 | W |
| 1993 FO ₂₁ | 14.0 | 930403 | 144.72 | 40.52 | 6.03 | 4.78 | 0.0441 | 2.7335 | 26 | 5 | W | 1993 FJ ₂₄ | 15.0 | 930314 | 26.21 | 183.03 | 325.17 | 1.70 | 0.1489 | 2.2234 | 5 | 3 | W |
| 1993 FP ₂₁ | 14.5 | 930403 | 22.00 | 161.82 | 3.48 | 3.43 | 0.1346 | 2.7974 | 49 | 0 | W | 1993 FK ₂₄ | 15.0 | 930314 | 46.70 | 138.83 | 340.81 | 2.64 | 0.1852 | 2.3766 | 5 | 3 | W |
| 1993 FQ ₂₁ | 13.5 | 930314 | 259.84 | 320.55 | 358.04 | 2.43 | 0.2679 | 2.7906 | 6 | 4 | E W | 1993 FL ₂₄ | 13.0 | 930314 | 207.31 | 356.44 | 351.26 | 3.23 | 0.2070 | 2.2568 | 5 | 3 | W |
| 1993 FR ₂₁ | 14.0 | 930403 | 52.94 | 132.61 | 5.09 | 5.29 | 0.0404 | 2.7281 | 26 | 4 | W | 1993 FM ₂₄ | 14.0 | 930314 | 294.84 | 22.85 | 239.53 | 2.20 | 0.1083 | 2.4041 | 5 | 3 | W |
| 1993 FS ₂₁ | 16.5 | 930403 | 344.00 | 26.77 | 191.79 | 5.57 | 0.2018 | 2.3959 | 28 | 0 | W | 1993 FN ₂₄ | 14.5 | 930403 | 312.79 | 311.82 | 301.32 | 1.81 | 0.1547 | 2.5917 | 31 | 4 | W |
| 1993 FT ₂₁ | 16.0 | 930314 | 305.98 | 63.87 | 192.52 | 2.50 | 0.1445 | 2.3057 | 6 | 4 | E W | 1993 FO ₂₄ | 13.0 | 930403 | 74.02 | 110.78 | 348.95 | 4.52 | 0.1530 | 3.1782 | 28 | 4 | W |
| 1993 FU ₂₁ | 16.0 | 930314 | 63.58 | 246.52 | 221.77 | 0.60 | 0.1443 | 2.2221 | 5 | 3 | E W | 1993 FQ ₂₄ | 12.5 | 930314 | 215.52 | 138.24 | 201.89 | 7.89 | 0.1349 | 2.8137 | 5 | 3 | W |
| 1993 FV ₂₁ | 14.0 | 930314 | 254.22 | 102.21 | 197.14 | 1.91 | 0.0407 | 2.4031 | 6 | 4 | E W | 1993 FR ₂₄ | 13.5 | 930314 | 118.40 | 224.45 | 200.10 | 6.99 | 0.0305 | 2.3766 | 5 | 3 | E W |
| 1993 FW ₂₁ | 12.5 | 930314 | 209.57 | 339.93 | 13.74 | 4.35 | 0.2582 | 2.6970 | 6 | 4 | E W | 1993 FS ₂₄ | 14.0 | 930403 | 352.45 | 207.41 | 353.29 | 4.52 | 0.0856 | 2.6201 | 28 | 4 | W |
| 1993 FX ₂₁ | 15.5 | 930314 | 30.43 | 297.38 | 202.57 | 2.01 | 0.2330 | 2.6570 | 6 | 4 | E W | 1993 FT ₂₄ | 13.5 | 930403 | 41.40 | 294.96 | 191.64 | 11.51 | 0.2472 | 2.5880 | 31 | 4 | W |
| 1993 FY ₂₁ | 13.0 | 930403 | 355.97 | 9.21 | 190.51 | 10.92 | 0.1228 | 2.6580 | 28 | 5 | W | 1993 FU ₂₄ | 13.0 | 930403 | 278.84 | 297.16 | 341.51 | 1.68 | 0.0525 | 2.7342 | 31 | 4 | W |
| 1993 FZ ₂₁ | 14.0 | 930403 | 40.54 | 144.26 | 1.47 | 3.06 | 0.1036 | 2.5605 | 26 | 5 | W | 1993 FV ₂₄ | 14.0 | 930403 | 310.63 | 348.81 | 269.55 | 1.42 | 0.1712 | 2.4436 | 28 | 4 | W |
| 1993 FA ₂₂ | 13.0 | 930314 | 243.95 | 341.95 | 351.09 | 1.73 | 0.2808 | 2.8889 | 6 | 4 | E W | 1993 FW ₂₄ | 14.0 | 930403 | 265.95 | 18.18 | 287.25 | 1.18 | 0.1780 | 2.2064 | 31 | 4 | W |
| 1993 FC ₂₂ | 14.0 | 930403 | 269.27 | 112.69 | 187.75 | 1.45 | 0.1323 | 2.4271 | 28 | 5 | W | 1993 FX ₂₄ | 13.5 | 930314 | 174.21 | 155.81 | 216.25 | 3.23 | 0.0423 | 2.3042 | 5 | 3 | W |
| 1993 FD ₂₂ | 13.5 | 930403 | 58.34 | 255.50 | 212.81 | 0.97 | 0.2565 | 3.1328 | 26 | 4 | W | 1993 FY ₂₄ | 14.0 | 930314 | 300.43 | 75.25 | 203.09 | 2.25 | 0.2875 | 2.5111 | 5 | 3 | E W |
| 1993 FE ₂₂ | 15.5 | 930403 | 298.96 | 46.73 | 225.59 | 1.05 | 0.1489 | 2.3560 | 26 | 4 | W | 1993 FS ₂₄ | 13.0 | 930403 | 209.92 | 5.62 | 340.96 | 3.86 | 0.0807 | 2.7924 | 28 | 4 | W |
| 1993 FF ₂₂ | 15.0 | 930403 | 120.73 | 57.19 | 6.36 | 4.64 | 0.1202 | 2.3614 | 26 | 4 | W | 1993 FA ₂₅ | 14.5 | 930314 | 331.24 | 29.12 | 192.96 | 8.40 | 0.1167 | 2.5545 | 5 | 3 | W |
| 1993 FG ₂₂ | 14.5 | 930403 | 250.83 | 309.46 | 11.71 | 25.81 | 0.1624 | 2.5595 | 28 | 5 | W | 1993 FB ₂₅ | 13.0 | 930403 | 28.29 | 204.88 | 302.63 | 0.94 | 0.2287 | 3.3051 | 31 | 4 | W |
| 1993 FJ ₂₂ | 12.0 | 930314 | 308.40 | 238.80 | 11.90 | 0.99 | 0.0771 | 3.0388 | 6 | 4 | E W | 1993 FC ₂₅ | 13.0 | 930314 | 31.30 | 320.13 | 196.17 | 8.82 | 0.0105 | 3.0493 | 5 | 3 | E W |
| 1993 FK ₂₂ | 12.5 | 930314 | 184.98 | 276.67 | 94.17 | 0.09 | 0.2416 | 3.0959 | 6 | 4 | E W | 1993 FD ₂₅ | 14.0 | 930403 | 284.18 | 287.79 | 352.93 | 6.27 | 0.1095 | 2.3991 | 28 | 4 | W |
| 1993 FL ₂₂ | 16.0 | 930314 | 31.02 | 307.59 | 193.37 | 12.15 | 0.2251 | 2.6875 | 5 | 3 | W | 1993 FE ₂₅ | 12.5 | 930314 | 208.43 | 64.63 | 285.34 | 0.42 | 0.2121 | 2.9475 | 5 | 3 | E W |
| 1993 FM ₂₂ | 15.0 | 930314 | 37.98 | 295.41 | 191.99 | 9.41 | 0.2660 | 2.8697 | 5 | 3 | W | 1993 FF ₂₅ | 14.5 | 930403 | 8.46 | 337.76 | 204.42 | 4.98 | 0.0977 | 2.2844 | 31 | 4 | W |
| 1993 FN ₂₂ | 16.0 | 930314 | 9.96 | 341.80 | 193.51 | 2.53 | 0.1358 | 2.3859 | 6 | 4 | W | 1993 FG ₂₅ | 12.0 | 930403 | 234.20 | 1.29 | 322.54 | 1.13 | 0.0630 | 2.9219 | 31 | 7 | W |
| 1993 FO ₂₂ | 13.5 | 930403 | 330.09 | 23.69 | 209.50 | 7.81 | 0.1386 | 3.2082 | 26 | 4 | W | 1993 FH ₂₅ | 12.5 | 930403 | 277.34 | 79.42 | 201.66 | 4.95 | 0.0526 | 2.4490 | 31 | 4 | W |
| 1993 FP ₂₂ | 15.0 | 930314 | 304.02 | 298.92 | 316.31 | 2.56 | 0.1121 | 2.3474 | 5 | 3 | W | 1993 FJ ₂₅ | 14.0 | 930403 | 99.72 | 99.19 | 349.45 | 3.72 | 0.0383 | 2.6484 | 28 | 4 | W |
| 1993 FQ ₂₂ | 16.0 | 930314 | 354.51 | 234.92 | 318.81 | 1.53 | 0.1602 | 2.3423 | 6 | 4 | W | 1993 FK ₂₅ | 13.5 | 930403 | 124.09 | 188.73 | 225.62 | 2.07 | 0.1686 | 2.4719 | 31 | 5 | W |
| 1993 FS ₂₂ | 14.5 | 930403 | 99.05 | 199.46 | 242.87 | 2.73 | 0.1166 | 2.5764 | 26 | 5 | W | 1993 FL ₂₅ | 13.0 | 930403 | 31.12 | 307.01 | 196.08 | 14.05 | 0.2409 | 3.1749 | 31 | 5 | W |
| 1993 FT ₂₂ | 12.5 | 930403 | 48.24 | 233.77 | 267.30 | 2.59 | 0.0618 | 3.0868 | 26 | 5 | W | 1993 FM ₂₅ | 13.0 | 930314 | 278.60 | 56.38 | 233.91 | 1.83 | 0.1700 | 3.0301 | 5 | 4 | E W |
| 1993 FU ₂₂ | 15.5 | 930403 | 327.80 | 276.17 | 323.54 | 1.56 | 0.1801 | 2.3438 | 28 | 6 | W | 1993 FN ₂₅ | 13.5 | 930403 | 254.80 | 356.61 | 319.83 | 1.22 | 0.1786 | 2.6423 | 31 | 5 | W |
| 1993 FV ₂₂ | 14.5 | 930314 | 63.46 | 218.91 | 250.90 | 1.46 | 0.1567 | 3.1290 | 5 | 3 | E W | 1993 FO ₂₅ | 14.0 | 930403 | 85.42 | 252.93 | 203.52 | 1.33 | 0.0940 | 2.2298 | 31 | 4 | W |
| 1993 FW ₂₂ | 13.0 | 930403 | 222.18 | 1.84 | 341.22 | 4.27 | 0.1485 | 3.2132 | 26 | 4 | W | 1993 FP ₂₅ | 13.5 | 930403 | 55.49 | 284.10 | 205.86 | 5.19 | 0.0807 | 3.1616 | 28 | 5 | W |
| 1993 FX ₂₂ | 15.0 | 930403 | 331.40 | 294.98 | 299.75 | 1.43 | 0.1760 | 3.2362 | 28 | 6 | W | 1993 FR ₂₅ | 15.0 | 930403 | 27.20 | 275.75 | 240.74 | 1.53 | 0.1545 | 2.3778 | 49 | 8 | W |
| 1993 FZ ₂₂ | 15.0 | 930403 | 266.92 | 43.07 | 263.67 | 1.32 | 0.1761 | 2.2438 | 28 | 5 | W | 1993 FS ₂₅ | 14.0 | 930403 | 280.25 | 86.57 | 206.32 | 2.26 | 0.1746 | 2.4296 | 31 | 4 | W |
| 1993 FA ₂₃ | 13.0 | 930403 | 289.21 | 68.79 | 206.67 | 5.84 | 0.0886 | 3.2252 | 26 | 5 | W | 1993 FT ₂₅ | 13.0 | 930314 | 303.42 | 319.83 | 310.43 | 2.25 | 0.2325 | 2.5588 | 5 | 3 | W |
| 1993 FC ₂₃ | 15.5 | 930403 | 336.71 | 257.86 | 327.02 | 1.74 | 0.1360 | 2.3912 | 26 | 5 | W | 1993 FU ₂₅ | 13.0 | 930314 | 84.28 | 181.30 | 264.62 | 2.24 | 0.1358 | 2.8839 | 5 | 4 | W |
| 1993 FD ₂₃ | 15.0 | 930314 | 246.00 | 61.39 | 254.32 | 1.60 | 0.1171 | 2.5351 | 5 | 3 | E W | 1993 FV ₂₅ | 12.0 | 930314 | 289.64 | 91.27 | 191.53 | 21.71 | 0.2372 | 2.8930 | 5 | 4 | E W |
| 1993 FE ₂₃ | 12.5 | 930403 | 204.88 | 354.61 | 2.00 | 8.77 | 0.1708 | 2.2661 | 28 | 5 | W | 1993 FW ₂₅ | 13.5 | 930403 | 246.26 | 328.87 | 351.82 | 5.90 | 0.1830 | 2.2115 | 27 | 4 | W |
| 1993 FF ₂₃ | 16.5 | 930314 | 299.54 | 61.54 | 210.16 | 3.84 | 0.2127 | 2.2294 | 6 | 4 | E W | 1993 FX ₂₅ | 15.0 | 930403 | 280.60 | 310.84 | 333.78 | 4.10 | 0.1304 | 2.3326 | 27 | 4 | W |
| 1993 FH ₂₃ | 15.5 | 930403 | 261.99 | 98.79 | 213.02 | 4.84 | 0.1777 | 2.2805 | 49 | 9 | W | 1993 FY ₂₅ | 13.5 | 930403 | 62.49 | 282.01 | 194.84 | 14.82 | 0.0960 | 3.0728 | 27 | 6 | W |
| 1993 FJ ₂₃ | 13.5 | 930403 | 161.62 | 189.95 | 201.44 | 12.20 | 0.0615 | 2.8890 | 26 | 5 | W | 1993 FZ ₂₅ | 12.0 | 930403 | 72.66 | 211.84 | 255.25 | 1.79 | 0.0893 | 3.0439 | 31 | 4 | W |
| 1993 FL ₂₃ | 12.5 | 930314 | 144.26 | 167.79 | 235.32 | 3.24 | 0.0811 | 2.9898 | 6 | 4 | W | 1993 FA ₂₆ | 12.0 | 930314 | 136.89 | 62.69 | 337.41 | 2.84 | 0.1323 | 2.8056 | 5 | 3 | W |
| 1993 FN ₂₃ | 14.5 | 930314 | 264.52 | 80.35 | 228.23 | 3.38 | 0.1965 | 2.7454 | 5 | 3 | E W | 1993 FB ₂₆ | 15.0 | 930403 | 316.25 | 286.86 | 323.69 | 1.90 | 0.1760 | 2.1992 | 27 | 4 | W |
| 1993 FO ₂₃ | 13.5 | 930403 | 341.43 | 17.81 | 200.96 | 12.05 | 0.1151 | 2.6600 | 26 | 7 | W | 1993 FC ₂₆ | 16.0 | 930314 | 352.90 | 229.73 | 323.29 | 2.07 | 0.1556 | 2.3816 | 5 | 3 | W |
| 1993 FP ₂₃ | 14.0 | 930403 | 121.37 | 113.06 | 307.87 | 1.92 | 0.1500 | 2.4446 | 26 | 5 | W | 1 | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|------|--------|--------|--------|--------|-------|--------|--------|----|---|-----|-----------------------|------|--------|--------|--------|--------|-------|--------|--------|----|---|-----|
| 1993 FP ₂₆ | 14.0 | 930403 | 29.09 | 191.08 | 314.42 | 3.03 | 0.2384 | 2.5798 | 28 | 4 | W | 1993 FD ₂₉ | 13.5 | 930403 | 275.18 | 333.29 | 325.83 | 5.83 | 0.2372 | 2.6719 | 27 | 4 | W |
| 1993 FQ ₂₆ | 14.5 | 930403 | 317.48 | 296.91 | 311.68 | 2.00 | 0.1595 | 2.3095 | 28 | 4 | W | 1993 FE ₂₉ | 13.5 | 930403 | 326.86 | 12.12 | 215.57 | 9.52 | 0.0986 | 3.0879 | 27 | 4 | W |
| 1993 FR ₂₆ | 11.5 | 930314 | 253.83 | 316.42 | 351.38 | 9.66 | 0.1223 | 3.0212 | 5 | 3 | W | 1993 FF ₂₉ | 15.5 | 930403 | 31.07 | 282.50 | 226.31 | 5.24 | 0.1283 | 2.2815 | 27 | 4 | W |
| 1993 FS ₂₆ | 13.0 | 930403 | 342.68 | 286.67 | 286.05 | 2.61 | 0.0844 | 2.3986 | 28 | 4 | W | 1993 FG ₂₉ | 13.0 | 930403 | 125.14 | 80.40 | 332.36 | 8.85 | 0.1181 | 2.9983 | 27 | 4 | W |
| 1993 FT ₂₆ | 14.5 | 930314 | 74.41 | 254.62 | 214.43 | 4.33 | 0.0309 | 2.5317 | 5 | 3 | E W | 1993 FH ₂₉ | 13.5 | 930314 | 335.73 | 221.72 | 353.02 | 16.93 | 0.1217 | 3.0483 | 5 | 3 | W |
| 1993 FW ₂₆ | 12.0 | 930403 | 222.24 | 339.70 | 356.83 | 9.63 | 0.0879 | 2.9934 | 28 | 4 | W | 1993 FK ₂₉ | 14.0 | 930403 | 139.97 | 198.89 | 201.03 | 14.11 | 0.1109 | 2.6457 | 27 | 4 | W |
| 1993 FX ₂₆ | 13.0 | 930403 | 11.08 | 242.99 | 296.92 | 2.79 | 0.0750 | 2.9950 | 28 | 4 | W | 1993 FL ₂₉ | 12.5 | 930403 | 180.51 | 75.58 | 291.23 | 3.79 | 0.1623 | 3.1023 | 27 | 4 | W |
| 1993 FZ ₂₆ | 13.0 | 930403 | 248.70 | 86.22 | 223.80 | 3.57 | 0.0580 | 2.7846 | 28 | 4 | W | 1993 FM ₂₉ | 15.5 | 930314 | 286.43 | 340.72 | 297.30 | 3.58 | 0.1917 | 2.2459 | 5 | 3 | W |
| 1993 FA ₂₇ | 13.0 | 930403 | 237.93 | 116.03 | 216.59 | 5.37 | 0.2129 | 2.2346 | 28 | 4 | W | 1993 FN ₂₉ | 14.5 | 930314 | 3.87 | 319.73 | 218.54 | 6.48 | 0.1142 | 3.0270 | 5 | 3 | W |
| 1993 FB ₂₇ | 14.0 | 930314 | 71.89 | 256.18 | 212.55 | 7.40 | 0.0660 | 2.5008 | 5 | 3 | E W | 1993 FO ₂₉ | 12.5 | 930403 | 301.46 | 319.69 | 324.27 | 7.02 | 0.3208 | 2.7866 | 27 | 4 | W |
| 1993 FC ₂₇ | 14.5 | 930403 | 306.40 | 299.11 | 322.97 | 2.66 | 0.1488 | 2.5615 | 28 | 5 | W | 1993 FP ₂₉ | 13.5 | 930403 | 346.13 | 3.41 | 202.63 | 13.11 | 0.1174 | 2.5773 | 27 | 4 | W |
| 1993 FD ₂₇ | 15.0 | 930403 | 313.55 | 206.87 | 44.94 | 1.13 | 0.1165 | 2.1649 | 28 | 5 | W | 1993 FQ ₂₉ | 14.0 | 930403 | 138.87 | 182.39 | 220.05 | 8.09 | 0.0972 | 2.5886 | 27 | 4 | W |
| 1993 FE ₂₇ | 15.5 | 930403 | 7.42 | 147.80 | 37.40 | 1.76 | 0.1276 | 2.3995 | 28 | 5 | W | 1993 FR ₂₉ | 13.5 | 930403 | 77.51 | 246.11 | 210.73 | 7.93 | 0.1172 | 2.7434 | 27 | 4 | W |
| 1993 FF ₂₇ | 13.5 | 930314 | 272.58 | 89.75 | 200.92 | 12.19 | 0.1783 | 3.1830 | 5 | 3 | W | 1993 FS ₂₉ | 13.0 | 930403 | 277.68 | 348.10 | 289.62 | 3.72 | 0.0645 | 2.8529 | 27 | 4 | W |
| 1993 FG ₂₇ | 14.5 | 930314 | 19.52 | 301.06 | 211.78 | 6.58 | 0.1973 | 3.0269 | 5 | 3 | W | 1993 FT ₂₉ | 14.0 | 930314 | 153.79 | 122.02 | 262.92 | 4.49 | 0.1289 | 2.5603 | 5 | 3 | W |
| 1993 FH ₂₇ | 13.0 | 930403 | 201.14 | 11.28 | 338.77 | 5.59 | 0.1173 | 2.7616 | 27 | 4 | W | 1993 FU ₂₉ | 13.0 | 930314 | 262.04 | 86.90 | 212.22 | 9.96 | 0.1520 | 3.1539 | 5 | 3 | W |
| 1993 FJ ₂₇ | 13.5 | 930314 | 292.78 | 33.99 | 236.52 | 3.35 | 0.1763 | 3.2053 | 5 | 3 | W | 1993 FV ₂₉ | 14.5 | 930314 | 159.01 | 71.73 | 307.95 | 3.92 | 0.1438 | 2.3056 | 5 | 3 | W |
| 1993 FK ₂₇ | 15.0 | 930403 | 254.56 | 68.36 | 242.81 | 3.27 | 0.1746 | 2.1888 | 27 | 4 | W | 1993 FW ₂₉ | 15.0 | 930314 | 335.46 | 236.10 | 349.28 | 12.57 | 0.2659 | 2.9450 | 5 | 3 | E W |
| 1993 FL ₂₇ | 14.5 | 930314 | 279.49 | 354.39 | 293.34 | 2.34 | 0.2159 | 2.3148 | 5 | 3 | W | 1993 FX ₂₉ | 14.5 | 930403 | 350.71 | 309.81 | 249.51 | 4.25 | 0.0485 | 2.3580 | 27 | 4 | W |
| 1993 FM ₂₇ | 14.0 | 930403 | 228.53 | 348.64 | 349.35 | 10.27 | 0.2759 | 2.4052 | 27 | 4 | W | 1993 FY ₂₉ | 14.5 | 930403 | 345.30 | 251.77 | 317.02 | 3.86 | 0.1455 | 2.6290 | 27 | 4 | W |
| 1993 FN ₂₇ | 15.0 | 930403 | 343.21 | 213.40 | 355.47 | 12.27 | 0.0919 | 2.5050 | 27 | 4 | W | 1993 FZ ₂₉ | 15.0 | 930314 | 329.54 | 291.89 | 289.78 | 2.86 | 0.1326 | 2.3204 | 5 | 3 | W |
| 1993 FO ₂₇ | 14.5 | 930403 | 58.28 | 233.47 | 242.18 | 2.82 | 0.1388 | 2.3941 | 27 | 4 | W | 1993 FA ₃₀ | 15.5 | 930314 | 303.82 | 18.39 | 245.00 | 2.92 | 0.2261 | 2.3252 | 5 | 3 | W |
| 1993 FP ₂₇ | 15.0 | 930314 | 324.41 | 351.08 | 248.91 | 2.96 | 0.2429 | 3.1305 | 5 | 3 | W | 1993 FB ₃₀ | 15.0 | 930314 | 322.49 | 263.32 | 319.15 | 5.43 | 0.0149 | 2.3343 | 5 | 3 | W |
| 1993 FQ ₂₇ | 14.5 | 930314 | 89.17 | 194.43 | 258.77 | 2.82 | 0.0115 | 2.5450 | 5 | 3 | W | 1993 FC ₃₀ | 13.5 | 930403 | 20.61 | 321.78 | 200.16 | 14.31 | 0.1273 | 3.1333 | 27 | 4 | W |
| 1993 FR ₂₇ | 14.0 | 930403 | 279.22 | 102.14 | 199.00 | 10.01 | 0.2837 | 2.4539 | 27 | 4 | W | 1993 FD ₃₀ | 14.0 | 930403 | 226.50 | 95.91 | 232.93 | 5.13 | 0.0860 | 2.7595 | 27 | 4 | W |
| 1993 FS ₂₇ | 13.0 | 930403 | 189.13 | 148.36 | 211.92 | 5.95 | 0.0692 | 2.7422 | 27 | 4 | W | 1993 FE ₃₀ | 14.0 | 930314 | 247.43 | 354.38 | 327.54 | 6.69 | 0.2635 | 2.4125 | 5 | 3 | W |
| 1993 FT ₂₇ | 14.0 | 930314 | 321.13 | 282.96 | 319.27 | 3.89 | 0.2140 | 3.1976 | 5 | 3 | W | 1993 FF ₃₀ | 13.5 | 930403 | 254.57 | 36.19 | 269.01 | 3.69 | 0.1019 | 2.7398 | 27 | 4 | W |
| 1993 FV ₂₇ | 14.5 | 930403 | 32.52 | 219.39 | 293.37 | 1.77 | 0.0563 | 2.2671 | 27 | 4 | W | 1993 FG ₃₀ | 14.5 | 930403 | 323.32 | 36.02 | 208.97 | 10.77 | 0.2202 | 3.1304 | 27 | 4 | W |
| 1993 FW ₂₇ | 15.0 | 930314 | 277.48 | 21.30 | 253.68 | 2.69 | 0.0690 | 2.7614 | 5 | 3 | W | 1993 FH ₃₀ | 14.5 | 930314 | 353.50 | 348.99 | 202.52 | 10.07 | 0.1171 | 2.5358 | 5 | 3 | W |
| 1993 FX ₂₇ | 13.5 | 930314 | 270.69 | 280.65 | 1.04 | 21.43 | 0.0667 | 2.6902 | 5 | 3 | W | 1993 FJ ₃₀ | 14.0 | 930403 | 338.89 | 30.02 | 195.71 | 16.22 | 0.2562 | 2.6935 | 25 | 6 | W |
| 1993 FZ ₂₇ | 14.5 | 930403 | 46.69 | 235.99 | 254.93 | 2.54 | 0.1247 | 2.8836 | 27 | 4 | W | 1993 FK ₃₀ | 14.0 | 930403 | 123.30 | 149.00 | 262.48 | 3.73 | 0.1719 | 2.4535 | 27 | 4 | W |
| 1993 FA ₂₈ | 14.0 | 930403 | 153.87 | 49.48 | 341.67 | 4.66 | 0.0870 | 2.2680 | 27 | 4 | W | 1993 FL ₃₀ | 15.0 | 930314 | 310.29 | 21.73 | 235.08 | 4.61 | 0.2293 | 2.3196 | 5 | 3 | W |
| 1993 FB ₂₈ | 13.5 | 930403 | 284.01 | 352.63 | 277.36 | 2.17 | 0.0437 | 2.6576 | 27 | 4 | W | 1993 FM ₃₀ | 14.5 | 930314 | 296.32 | 16.13 | 262.40 | 4.37 | 0.2598 | 2.6716 | 5 | 3 | W |
| 1993 FC ₂₈ | 14.0 | 930314 | 269.98 | 316.96 | 340.44 | 5.27 | 0.2083 | 2.3160 | 5 | 3 | W | 1993 FO ₃₀ | 15.5 | 930403 | 314.04 | 351.90 | 259.94 | 3.68 | 0.1635 | 2.3515 | 27 | 4 | W |
| 1993 FD ₂₈ | 12.5 | 930314 | 346.48 | 218.40 | 342.94 | 6.35 | 0.0919 | 3.0535 | 5 | 3 | W | 1993 FP ₃₀ | 12.5 | 930403 | 276.37 | 57.17 | 225.41 | 7.23 | 0.0786 | 3.0704 | 27 | 4 | W |
| 1993 FE ₂₈ | 15.0 | 930314 | 328.40 | 243.62 | 342.51 | 3.47 | 0.1607 | 2.5040 | 5 | 3 | W | 1993 FQ ₃₀ | 15.5 | 930403 | 66.35 | 239.24 | 234.48 | 3.20 | 0.0896 | 2.2322 | 27 | 4 | W |
| 1993 FF ₂₈ | 15.0 | 930403 | 287.45 | 82.15 | 201.96 | 5.92 | 0.1949 | 2.2951 | 27 | 7 | W | 1993 FR ₃₀ | 14.5 | 930403 | 302.87 | 26.01 | 244.72 | 3.12 | 0.2172 | 2.6144 | 27 | 4 | W |
| 1993 FG ₂₈ | 14.5 | 930314 | 249.86 | 76.66 | 239.25 | 2.39 | 0.2187 | 2.4430 | 5 | 3 | W | 1993 FT ₃₀ | 15.5 | 930403 | 335.13 | 320.12 | 266.55 | 2.18 | 0.1844 | 2.2796 | 27 | 4 | W |
| 1993 FH ₂₈ | 14.5 | 930314 | 47.84 | 233.22 | 251.19 | 1.72 | 0.1173 | 2.3570 | 5 | 3 | W | 1993 FU ₃₀ | 14.5 | 930314 | 320.46 | 185.33 | 50.61 | 3.67 | 0.1335 | 2.3862 | 5 | 3 | W |
| 1993 FJ ₂₈ | 16.5 | 930314 | 16.28 | 296.68 | 215.36 | 3.41 | 0.2974 | 2.8824 | 5 | 3 | W | 1993 FV ₃₀ | 13.0 | 930314 | 108.77 | 25.90 | 30.69 | 8.33 | 0.2258 | 2.4626 | 6 | 7 | W |
| 1993 FK ₂₈ | 15.0 | 930403 | 335.76 | 5.35 | 218.90 | 3.47 | 0.1722 | 2.4368 | 27 | 4 | W | 1993 FW ₃₀ | 15.0 | 930314 | 292.27 | 161.32 | 115.57 | 2.96 | 0.2047 | 2.3462 | 6 | 6 | W |
| 1993 FL ₂₈ | 13.0 | 930314 | 286.53 | 289.24 | 345.81 | 5.16 | 0.1419 | 3.0373 | 5 | 3 | W | 1993 FX ₃₀ | 15.5 | 930314 | 121.44 | 346.82 | 69.79 | 3.36 | 0.0955 | 2.3749 | 6 | 6 | W |
| 1993 FM ₂₈ | 14.5 | 930403 | 58.46 | 181.86 | 293.52 | 1.68 | 0.1476 | 2.4530 | 27 | 4 | W | 1993 FY ₃₀ | 12.0 | 930314 | 95.99 | 251.16 | 177.56 | 16.59 | 0.2303 | 3.1414 | 28 | 7 | W |
| 1993 FN ₂₈ | 14.0 | 930403 | 8.30 | 197.65 | 339.62 | 4.04 | 0.2177 | 2.5897 | 27 | 4 | W | 1993 FZ ₃₀ | 16.0 | 930314 | 50.61 | 59.90 | 54.94 | 1.73 | 0.1943 | 2.2191 | 5 | 3 | W |
| 1993 FO ₂₈ | 15.0 | 930314 | 325.44 | 246.15 | 342.64 | 4.77 | 0.1489 | 2.2214 | 5 | 3 | W | 1993 FA ₃₁ | 14.5 | 930314 | 73.20 | 344.47 | 112.05 | 2.44 | 0.1640 | 2.9906 | 5 | 3 | W |
| 1993 FP ₂₈ | 13.5 | 930314 | 235.31 | 90.06 | 235.17 | 2.07 | 0.1875 | 2.4286 | 5 | 3 | W | 1993 FB ₃₁ | 15.5 | 930314 | 266.17 | 259.17 | 32.71 | 1.58 | 0.0862 | 2.5483 | 5 | 3 | E W |
| 1993 FQ ₂₈ | 15.0 | 930314 | 266.01 | 88.96 | 198.05 | 7.19 | 0.0811 | 2.2468 | 5 | 3 | E W | 1993 FC ₃₁ | 15.0 | 930314 | 187.30 | 209.86 | 154.20 | 4.32 | 0.2267 | 2.4029 | 5 | 3 | E W |
| 1993 FS ₂₈ | 15.0 | 930403 | 62.57 | 222.61 | 252.12 | 2.87 | 0.1209 | 2.2876 | 27 | 5 | W | 1993 FE ₃₁ | 11.5 | 930314 | 276.73 | 97.65 | 181.88 | 22.04 | 0.0584 | 3.2170 | 28 | 7 | W |
| 1993 FT ₂₈ | 16.0 | 930314 | 349.82 | 328.71 | 227.88 | 3.86 | 0.1460 | 2.1944 | 5 | 3 | W | 1993 FF ₃₁ | 15.0 | 930314 | 50.12 | 357.47 | 119.64 | 3.03 | 0.1783 | 2.2527 | 5 | 7 | W |
| 1993 FU ₂₈ | 13.0 | 930403 | 245.81 | 8.71 | 311.26 | 3.44 | 0.1628 | 2.4520 | 27 | 4 | W | 1993 FG ₃₁ | 16.0 | 930314 | 19.18 | 95.85 | 53.18 | 3.16 | 0.2800 | 2.3967 | 5 | 3 | W |
| 1993 FV ₂₈ | 16.0 | 930403 | 325.74 | 358.45 | 236.89 | 2.87 | 0.1370 | 2.1445 | 27 | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|------|--------|--------|--------|--------|-------|--------|--------|----|---|-----|-----------------------|------|--------|--------|--------|--------|-------|--------|--------|----|---|-----|
| 1993 FQ ₃₁ | 16.0 | 930314 | 36.44 | 53.38 | 80.44 | 2.92 | 0.1867 | 2.3490 | 6 | 6 | W | 1993 FH ₃₄ | 14.0 | 930314 | 48.19 | 87.32 | 42.64 | 5.19 | 0.1164 | 2.6362 | 7 | 6 | W |
| 1993 FS ₃₁ | 13.5 | 930403 | 265.80 | 244.29 | 51.55 | 4.68 | 0.0783 | 2.4111 | 33 | 8 | W | 1993 FJ ₃₄ | 15.0 | 930314 | 286.98 | 97.93 | 180.68 | 15.92 | 0.1389 | 2.5541 | 28 | 4 | W |
| 1993 FT ₃₁ | 13.0 | 930314 | 192.33 | 212.00 | 149.26 | 5.67 | 0.2388 | 2.2687 | 28 | 7 | W | 1993 FK ₃₄ | 14.0 | 930314 | 290.96 | 217.45 | 70.02 | 3.68 | 0.2604 | 2.3823 | 5 | 3 | E W |
| 1993 FU ₃₁ | 14.5 | 930314 | 206.54 | 301.05 | 52.65 | 3.41 | 0.2534 | 2.4505 | 5 | 3 | W | 1993 FL ₃₄ | 11.5 | 930314 | 303.27 | 199.66 | 44.38 | 6.80 | 0.0391 | 3.4642 | 30 | 7 | W |
| 1993 FW ₃₁ | 13.0 | 930403 | 48.63 | 33.63 | 107.27 | 3.31 | 0.0430 | 2.4336 | 30 | 4 | W | 1993 FM ₃₄ | 12.5 | 930314 | 255.38 | 237.13 | 68.51 | 6.50 | 0.1667 | 3.1748 | 30 | 4 | W |
| 1993 FX ₃₁ | 11.0 | 930403 | 221.56 | 305.29 | 32.54 | 10.85 | 0.0824 | 3.1828 | 30 | 4 | W | 1993 FN ₃₄ | 12.5 | 930314 | 299.67 | 177.17 | 76.88 | 4.66 | 0.0810 | 3.2253 | 30 | 4 | W |
| 1993 FY ₃₁ | 13.0 | 930403 | 202.02 | 241.77 | 113.47 | 3.88 | 0.0937 | 2.6904 | 30 | 4 | W | 1993 FO ₃₄ | 12.5 | 930403 | 302.78 | 93.68 | 173.61 | 7.39 | 0.1660 | 3.1917 | 41 | 9 | W |
| 1993 FZ ₃₁ | 15.0 | 930403 | 306.06 | 231.22 | 38.11 | 7.77 | 0.2079 | 2.5933 | 32 | 9 | W | 1993 FP ₃₄ | 13.0 | 930314 | 357.60 | 154.00 | 36.46 | 4.17 | 0.2060 | 3.1329 | 5 | 3 | E W |
| 1993 FA ₃₂ | 14.0 | 930314 | 54.77 | 309.59 | 149.20 | 5.68 | 0.3100 | 2.6627 | 28 | 7 | W | 1993 FQ ₃₄ | 15.0 | 930403 | 347.20 | 184.23 | 23.19 | 5.71 | 0.0836 | 2.2702 | 33 | 4 | W |
| 1993 FB ₃₂ | 13.5 | 930314 | 134.10 | 340.29 | 66.10 | 4.63 | 0.1257 | 2.5310 | 5 | 3 | E W | 1993 FR ₃₄ | 12.5 | 930403 | 97.36 | 283.52 | 158.05 | 3.97 | 0.1217 | 2.8483 | 33 | 4 | W |
| 1993 FC ₃₂ | 14.5 | 930314 | 273.24 | 266.80 | 30.21 | 12.14 | 0.1871 | 2.6209 | 6 | 6 | W | 1993 FS ₃₄ | 11.5 | 930403 | 222.29 | 285.33 | 55.95 | 2.15 | 0.1614 | 3.1860 | 33 | 4 | W |
| 1993 FD ₃₂ | 14.5 | 930314 | 32.03 | 81.14 | 58.74 | 5.23 | 0.2191 | 3.0695 | 5 | 3 | W | 1993 FT ₃₄ | 13.5 | 930403 | 65.74 | 281.57 | 183.92 | 15.90 | 0.1914 | 3.1402 | 30 | 4 | W |
| 1993 FE ₃₂ | 15.0 | 930314 | 177.68 | 308.75 | 62.05 | 4.43 | 0.1431 | 2.1686 | 5 | 3 | E W | 1993 FU ₃₄ | 15.0 | 930314 | 144.00 | 244.50 | 153.05 | 3.19 | 0.0833 | 2.1622 | 5 | 3 | W |
| 1993 FF ₃₂ | 13.5 | 930403 | 321.52 | 215.64 | 34.89 | 9.31 | 0.2071 | 2.8161 | 30 | 4 | W | 1993 FV ₃₄ | 11.5 | 930314 | 225.08 | 247.31 | 89.13 | 2.46 | 0.1657 | 3.2063 | 5 | 3 | E W |
| 1993 FJ ₃₂ | 14.0 | 930403 | 322.46 | 310.12 | 286.60 | 4.49 | 0.1317 | 2.5479 | 27 | 4 | W | 1993 FX ₃₄ | 11.5 | 930314 | 270.61 | 104.00 | 183.07 | 12.04 | 0.0741 | 2.9942 | 5 | 3 | W |
| 1993 FL ₃₂ | 13.5 | 930314 | 269.77 | 323.85 | 328.15 | 8.57 | 0.1445 | 3.0774 | 5 | 3 | W | 1993 FY ₃₄ | 14.0 | 930403 | 305.40 | 84.63 | 172.24 | 6.23 | 0.0973 | 2.4249 | 33 | 4 | W |
| 1993 FM ₃₂ | 14.5 | 930403 | 268.01 | 346.71 | 313.27 | 5.56 | 0.1675 | 2.4111 | 27 | 4 | W | 1993 FZ ₃₄ | 14.5 | 930314 | 17.59 | 109.22 | 52.44 | 1.72 | 0.1620 | 2.5283 | 5 | 3 | W |
| 1993 FN ₃₂ | 13.5 | 930314 | 277.11 | 109.32 | 185.09 | 3.45 | 0.1974 | 2.7698 | 3 | 3 | E W | 1993 FA ₃₅ | 12.0 | 930314 | 261.37 | 138.96 | 151.23 | 3.12 | 0.0217 | 2.9869 | 5 | 3 | W |
| 1993 FO ₃₂ | 16.0 | 930314 | 296.84 | 125.20 | 151.15 | 1.08 | 0.2227 | 2.4125 | 3 | 3 | E W | 1993 FB ₃₅ | 15.5 | 930403 | 23.29 | 9.83 | 135.61 | 1.90 | 0.3413 | 2.9254 | 30 | 4 | W |
| 1993 FP ₃₂ | 15.5 | 930403 | 41.27 | 330.89 | 166.82 | 2.17 | 0.1735 | 2.3294 | 28 | 4 | W | 1993 FC ₃₅ | 16.0 | 930403 | 269.83 | 144.47 | 159.24 | 3.42 | 0.1866 | 2.2927 | 41 | 7 | W |
| 1993 FQ ₃₂ | 13.0 | 930403 | 48.90 | 85.78 | 53.22 | 2.00 | 0.0823 | 2.9960 | 28 | 4 | W | 1993 FE ₃₅ | 14.5 | 930314 | 306.62 | 136.23 | 110.27 | 1.34 | 0.0687 | 2.2406 | 5 | 3 | W |
| 1993 FR ₃₂ | 15.0 | 930314 | 29.48 | 54.55 | 82.65 | 2.69 | 0.2573 | 3.0090 | 5 | 3 | W | 1993 FF ₃₅ | 12.0 | 930403 | 61.19 | 350.31 | 131.48 | 2.47 | 0.0941 | 2.9241 | 30 | 4 | W |
| 1993 FS ₃₂ | 15.0 | 930314 | 273.81 | 152.89 | 129.33 | 2.87 | 0.0795 | 2.5222 | 5 | 3 | W | 1993 FG ₃₅ | 15.0 | 930314 | 10.00 | 124.55 | 45.94 | 2.90 | 0.1764 | 2.3370 | 5 | 3 | W |
| 1993 FT ₃₂ | 12.0 | 930403 | 165.78 | 293.95 | 90.12 | 3.13 | 0.0763 | 2.9478 | 33 | 7 | W | 1993 FH ₃₅ | 13.5 | 930314 | 313.57 | 65.48 | 183.26 | 14.48 | 0.1480 | 2.7374 | 5 | 3 | W |
| 1993 FU ₃₂ | 13.5 | 930403 | 260.71 | 182.26 | 126.44 | 3.26 | 0.1598 | 3.1328 | 41 | 9 | W | 1993 FJ ₃₅ | 15.5 | 930314 | 256.93 | 253.81 | 39.46 | 4.40 | 0.0265 | 2.3199 | 5 | 3 | W |
| 1993 FW ₃₂ | 12.0 | 930314 | 247.59 | 275.57 | 48.15 | 3.94 | 0.2384 | 2.9292 | 5 | 3 | E W | 1993 FK ₃₅ | 13.5 | 930314 | 238.52 | 283.91 | 36.76 | 4.80 | 0.1010 | 2.9777 | 26 | 6 | W |
| 1993 FX ₃₂ | 14.0 | 930314 | 299.33 | 96.03 | 177.40 | 13.56 | 0.2162 | 3.1056 | 5 | 3 | E W | 1993 FL ₃₅ | 16.0 | 930314 | 47.71 | 83.41 | 42.35 | 3.06 | 0.1384 | 2.3317 | 26 | 5 | W |
| 1993 FY ₃₂ | 13.5 | 930314 | 56.47 | 42.17 | 70.52 | 2.85 | 0.1673 | 2.5692 | 5 | 3 | W | 1993 FN ₃₅ | 14.0 | 930314 | 72.62 | 9.47 | 97.48 | 1.23 | 0.0825 | 2.6131 | 5 | 3 | E W |
| 1993 FZ ₃₂ | 16.0 | 930314 | 351.02 | 138.31 | 58.44 | 2.87 | 0.1152 | 2.3123 | 5 | 3 | W | 1993 FO ₃₅ | 15.0 | 930314 | 75.21 | 290.09 | 172.58 | 7.04 | 0.0856 | 2.3340 | 5 | 3 | W |
| 1993 FA ₃₃ | 14.5 | 930314 | 10.43 | 26.13 | 146.19 | 3.85 | 0.1368 | 2.5146 | 5 | 3 | W | 1993 FP ₃₅ | 15.5 | 930314 | 355.71 | 176.54 | 15.94 | 16.88 | 0.0763 | 2.5699 | 5 | 3 | W |
| 1993 FB ₃₃ | 14.0 | 930403 | 212.72 | 202.52 | 145.84 | 3.71 | 0.1538 | 2.6313 | 41 | 7 | W | 1993 FQ ₃₅ | 14.0 | 930403 | 149.05 | 357.32 | 37.95 | 3.43 | 0.1887 | 2.4369 | 33 | 5 | W |
| 1993 FC ₃₃ | 16.0 | 930314 | 336.15 | 85.40 | 130.82 | 3.14 | 0.1176 | 2.3645 | 5 | 3 | W | 1993 FR ₃₅ | 14.0 | 930403 | 63.14 | 315.54 | 160.72 | 3.26 | 0.1292 | 2.4276 | 30 | 4 | W |
| 1993 FE ₃₃ | 16.0 | 930403 | 325.23 | 111.15 | 130.53 | 2.57 | 0.1757 | 2.3350 | 30 | 4 | W | 1993 FS ₃₅ | 12.0 | 930403 | 12.18 | 136.28 | 43.94 | 3.55 | 0.0572 | 3.0622 | 30 | 4 | W |
| 1993 FF ₃₃ | 12.0 | 930314 | 73.37 | 67.01 | 42.23 | 5.43 | 0.0639 | 3.2216 | 5 | 3 | E W | 1993 FT ₃₅ | 15.0 | 930314 | 233.30 | 169.67 | 166.42 | 4.94 | 0.2508 | 2.5367 | 5 | 3 | E W |
| 1993 FG ₃₃ | 13.0 | 930403 | 157.32 | 296.66 | 97.87 | 2.93 | 0.0298 | 2.8545 | 30 | 4 | W | 1993 FU ₃₅ | 12.0 | 930403 | 107.70 | 326.40 | 104.96 | 2.37 | 0.1480 | 3.2318 | 30 | 7 | W |
| 1993 FH ₃₃ | 15.5 | 930314 | 284.30 | 230.29 | 49.39 | 3.59 | 0.1356 | 2.5600 | 5 | 3 | W | 1993 FV ₃₅ | 17.0 | 930403 | 347.81 | 54.87 | 156.41 | 2.75 | 0.1705 | 2.3807 | 30 | 4 | W |
| 1993 FJ ₃₃ | 13.0 | 930403 | 200.61 | 308.77 | 48.08 | 4.16 | 0.1106 | 2.5786 | 30 | 4 | W | 1993 FW ₃₅ | 14.5 | 930314 | 281.54 | 109.44 | 181.35 | 11.96 | 0.1892 | 3.0044 | 5 | 3 | E W |
| 1993 FK ₃₃ | 12.5 | 930403 | 49.33 | 353.63 | 125.56 | 3.53 | 0.2398 | 3.1566 | 32 | 7 | W | 1993 FX ₃₅ | 13.5 | 930403 | 268.14 | 296.45 | 15.59 | 22.61 | 0.2486 | 2.3036 | 33 | 4 | W |
| 1993 FM ₃₃ | 14.5 | 930314 | 309.60 | 136.48 | 109.91 | 2.65 | 0.0940 | 2.3292 | 5 | 3 | W | 1993 FY ₃₅ | 13.5 | 930403 | 75.48 | 84.72 | 17.90 | 12.69 | 0.1373 | 2.5764 | 30 | 4 | W |
| 1993 FN ₃₃ | 13.5 | 930403 | 346.38 | 173.62 | 38.29 | 4.89 | 0.1427 | 2.7941 | 30 | 4 | W | 1993 FZ ₃₅ | 12.5 | 930403 | 238.82 | 211.10 | 116.66 | 2.64 | 0.1366 | 3.1454 | 30 | 4 | W |
| 1993 FO ₃₃ | 14.0 | 930403 | 297.96 | 228.35 | 60.94 | 3.27 | 0.2953 | 2.4753 | 30 | 4 | W | 1993 FA ₃₆ | 16.5 | 930403 | 336.35 | 60.65 | 168.37 | 5.70 | 0.1947 | 2.4795 | 30 | 4 | W |
| 1993 FP ₃₃ | 14.5 | 930403 | 104.52 | 294.99 | 139.91 | 3.73 | 0.1332 | 2.5259 | 32 | 7 | W | 1993 FB ₃₆ | 14.0 | 930314 | 305.66 | 237.27 | 38.17 | 3.43 | 0.2953 | 2.5611 | 5 | 3 | W |
| 1993 FQ ₃₃ | 15.0 | 930314 | 45.83 | 67.88 | 55.14 | 3.16 | 0.1854 | 2.3507 | 5 | 3 | W | 1993 FC ₃₆ | 12.5 | 930314 | 234.68 | 256.82 | 79.74 | 2.43 | 0.2504 | 2.8827 | 5 | 3 | W |
| 1993 FR ₃₃ | 13.5 | 930314 | 46.77 | 82.10 | 38.14 | 4.75 | 0.2019 | 2.4085 | 5 | 3 | W | 1993 FD ₃₆ | 13.5 | 930403 | 305.82 | 227.49 | 29.32 | 5.85 | 0.0875 | 2.3291 | 30 | 4 | W |
| 1993 FS ₃₃ | 14.5 | 930314 | 40.30 | 97.90 | 39.88 | 4.60 | 0.1059 | 2.2778 | 5 | 3 | W | 1993 FE ₃₆ | 14.0 | 930222 | 295.32 | 199.40 | 58.65 | 2.83 | 0.0710 | 2.8361 | 26 | 6 | W |
| 1993 FU ₃₃ | 13.0 | 930314 | 30.69 | 70.58 | 62.46 | 3.86 | 0.2914 | 2.9651 | 5 | 3 | W | 1993 FF ₃₆ | 15.0 | 930314 | 281.39 | 111.65 | 172.69 | 6.55 | 0.1548 | 2.1721 | 5 | 3 | W |
| 1993 FV ₃₃ | 13.0 | 930314 | 102.83 | 267.36 | 162.14 | 7.21 | 0.1623 | 2.5621 | 5 | 3 | W | 1993 FH ₃₆ | 12.0 | 930403 | 158.56 | 211.50 | 179.05 | 9.01 | 0.1662 | 2.5727 | 30 | 4 | W |
| 1993 FW ₃₃ | 16.0 | 930314 | 18.35 | 87.94 | 69.64 | 2.95 | 0.2064 | 2.3852 | 5 | 3 | W | 1993 FJ ₃₆ | 13.5 | 930314 | 206.15 | 314.12 | 39.43 | 5.50 | 0.2343 | 2.2814 | 5 | 3 | E W |
| 1993 FX ₃₃ | 14.0 | 930314 | 319.33 | 90.96 | 148.44 | 5.08 | 0.1076 | 3.0671 | 5 | 3 | W | 1993 FL ₃₆ | 11.0 | 930314 | 306.01 | 181.54 | 80.90 | 2.53 | 0.1691 | 3.1310 | 5 | 3 | E W |
| 1993 FY ₃₃ | 14.0 | 930314 | 57.88 | 59.81 | 39.57 | 5.45 | 0.2798 | 2.7136 | 5 | 3 | E W | 1993 FM ₃₆ | 14.0 | 930403 | 287.10 | 135.44 | 141.41 | 3.54 | 0.0784 | 3.0691 | 30 | 4 | W |
| 1993 FA ₃₄ | 16.0 | 930314 | 302.88 | 92.13 | 160.91 | 6.40 | 0.0856 | 2.2309 | 6 | 6 | W | 1993 FN ₃₆ | 14.5 | 930314 | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|------|--------|--------|--------|--------|-------|--------|--------|----|---|-----|-----------------------|------|--------|--------|--------|--------|-------|--------|--------|----|---|-----|
| 1993 FX ₃₆ | 14.0 | 930314 | 30.85 | 17.21 | 122.23 | 2.72 | 0.2090 | 2.7639 | 5 | 3 | W | 1993 FK ₃₉ | 15.0 | 930314 | 44.18 | 334.92 | 141.65 | 3.46 | 0.2534 | 2.8585 | 5 | 3 | E W |
| 1993 FY ₃₆ | 14.0 | 930403 | 339.92 | 146.08 | 72.52 | 2.07 | 0.1397 | 2.4249 | 33 | 4 | W | 1993 FL ₃₉ | | 930403 | 293.39 | 245.31 | 36.96 | 2.68 | 0.2110 | 2.3528 | 33 | 4 | W |
| 1993 FA ₃₇ | 12.5 | 930403 | 109.51 | 283.69 | 142.93 | 3.66 | 0.1550 | 2.6576 | 33 | 4 | W | 1993 FM ₃₉ | 14.0 | 930403 | 216.75 | 332.55 | 11.98 | 7.81 | 0.1591 | 2.2678 | 33 | 4 | W |
| 1993 FB ₃₇ | 14.0 | 930314 | 204.76 | 185.78 | 165.64 | 1.50 | 0.1431 | 3.1926 | 5 | 3 | E W | 1993 FN ₃₉ | 13.0 | 930403 | 350.62 | 193.40 | 10.55 | 17.96 | 0.1024 | 3.0770 | 30 | 4 | W |
| 1993 FC ₃₇ | 14.5 | 930403 | 335.40 | 44.21 | 178.87 | 6.07 | 0.1078 | 2.4198 | 41 | 7 | W | 1993 FO ₃₉ | 14.5 | 930314 | 97.78 | 264.04 | 173.56 | 2.86 | 0.1001 | 2.2576 | 5 | 3 | W |
| 1993 FD ₃₇ | 14.0 | 930314 | 66.35 | 295.52 | 173.28 | 2.94 | 0.1117 | 2.5269 | 26 | 6 | W | 1993 FP ₃₉ | 14.5 | 930314 | 289.53 | 261.28 | 24.70 | 3.66 | 0.2492 | 2.5005 | 5 | 3 | E W |
| 1993 FE ₃₇ | 15.5 | 930314 | 339.02 | 41.12 | 169.55 | 2.53 | 0.0654 | 2.3215 | 5 | 3 | W | 1993 FQ ₃₉ | 13.0 | 930314 | 66.89 | 69.88 | 36.59 | 1.97 | 0.1354 | 3.0865 | 5 | 3 | E W |
| 1993 FF ₃₇ | 13.5 | 930314 | 278.88 | 250.24 | 40.90 | 1.78 | 0.1751 | 2.9891 | 5 | 3 | E W | 1993 FR ₃₉ | 15.5 | 930314 | 355.35 | 103.44 | 86.98 | 1.09 | 0.0371 | 2.1771 | 5 | 3 | W |
| 1993 FG ₃₇ | 14.5 | 930314 | 56.03 | 303.48 | 175.96 | 3.48 | 0.1310 | 2.8332 | 5 | 3 | W | 1993 FT ₃₉ | 14.0 | 930314 | 25.28 | 141.43 | 15.08 | 5.68 | 0.0353 | 2.4472 | 5 | 4 | W |
| 1993 FH ₃₇ | 15.0 | 930314 | 234.43 | 156.44 | 178.05 | 6.72 | 0.2579 | 2.2697 | 5 | 3 | E W | 1993 FU ₃₉ | 12.5 | 930314 | 356.57 | 113.61 | 75.66 | 0.71 | 0.1652 | 3.1440 | 5 | 3 | W |
| 1993 FJ ₃₇ | 13.0 | 930403 | 285.57 | 256.35 | 18.96 | 7.58 | 0.0660 | 2.7269 | 30 | 4 | W | 1993 FV ₃₉ | 13.5 | 930314 | 296.84 | 240.25 | 33.43 | 2.18 | 0.2347 | 2.5877 | 5 | 3 | E W |
| 1993 FK ₃₇ | 12.5 | 930403 | 153.17 | 354.36 | 42.68 | 2.52 | 0.0706 | 2.8902 | 30 | 4 | W | 1993 FY ₃₉ | 13.5 | 930314 | 64.15 | 270.42 | 182.21 | 5.82 | 0.2531 | 3.1463 | 5 | 3 | E W |
| 1993 FL ₃₇ | 14.0 | 930314 | 315.85 | 80.91 | 157.32 | 1.77 | 0.0481 | 3.0944 | 5 | 3 | E W | 1993 FZ ₃₉ | 12.0 | 930314 | 252.39 | 142.19 | 179.66 | 11.78 | 0.2944 | 3.0896 | 5 | 3 | W |
| 1993 FM ₃₇ | 14.5 | 930314 | 291.31 | 133.90 | 146.27 | 2.01 | 0.1891 | 3.1108 | 5 | 3 | E W | 1993 FA ₄₀ | 13.5 | 930314 | 46.66 | 97.31 | 23.52 | 3.14 | 0.1688 | 2.4880 | 5 | 3 | W |
| 1993 FN ₃₇ | 14.5 | 930314 | 173.14 | 324.87 | 49.17 | 1.87 | 0.0925 | 2.2376 | 5 | 3 | W | 1993 FB ₄₀ | 12.5 | 930314 | 79.52 | 14.48 | 86.18 | 1.60 | 0.0476 | 3.0934 | 5 | 3 | E W |
| 1993 FO ₃₇ | 12.5 | 930314 | 29.08 | 349.41 | 167.69 | 3.48 | 0.0502 | 2.8128 | 26 | 6 | W | 1993 FC ₄₀ | 14.5 | 930314 | 356.03 | 84.23 | 103.82 | 1.28 | 0.0949 | 2.3663 | 5 | 3 | W |
| 1993 FP ₃₇ | 13.0 | 930403 | 14.88 | 111.00 | 62.71 | 1.87 | 0.1477 | 3.1809 | 30 | 4 | W | 1993 FD ₄₀ | 16.0 | 930314 | 326.71 | 44.55 | 176.98 | 6.65 | 0.0658 | 2.3556 | 28 | 4 | W |
| 1993 FQ ₃₇ | 14.0 | 930314 | 350.23 | 150.61 | 51.15 | 1.40 | 0.1422 | 2.8650 | 5 | 3 | E W | 1993 FE ₄₀ | 13.5 | 930314 | 72.59 | 65.55 | 38.80 | 2.63 | 0.0708 | 2.6725 | 5 | 3 | E W |
| 1993 FS ₃₇ | 15.5 | 930403 | 345.27 | 42.48 | 170.47 | 2.67 | 0.1258 | 2.4734 | 30 | 4 | W | 1993 FF ₄₀ | 12.5 | 930314 | 220.12 | 152.26 | 176.82 | 10.64 | 0.0448 | 2.9973 | 28 | 4 | W |
| 1993 FT ₃₇ | 12.0 | 930403 | 22.58 | 2.38 | 161.30 | 2.57 | 0.1540 | 3.0378 | 51 | 9 | W | 1993 FG ₄₀ | 15.0 | 930314 | 281.76 | 225.10 | 58.70 | 2.31 | 0.1771 | 2.6811 | 5 | 3 | E W |
| 1993 FU ₃₇ | 14.0 | 930314 | 10.05 | 150.70 | 25.07 | 4.65 | 0.0730 | 2.2812 | 51 | 7 | W | 1993 FH ₄₀ | 14.5 | 930314 | 217.33 | 308.42 | 23.42 | 4.72 | 0.0726 | 2.1773 | 5 | 3 | E W |
| 1993 FV ₃₇ | 14.5 | 930314 | 50.89 | 84.91 | 29.44 | 3.52 | 0.2181 | 2.4113 | 5 | 3 | E W | 1993 FJ ₄₀ | 14.5 | 930314 | 0.40 | 15.22 | 168.00 | 4.88 | 0.0523 | 2.2106 | 28 | 4 | W |
| 1993 FY ₃₇ | 13.5 | 930314 | 180.31 | 200.18 | 170.34 | 4.21 | 0.1877 | 2.2749 | 5 | 3 | W | 1993 FK ₄₀ | 14.5 | 930314 | 330.37 | 46.55 | 179.11 | 12.08 | 0.1661 | 2.7077 | 28 | 4 | W |
| 1993 FZ ₃₇ | 14.5 | 930314 | 41.67 | 335.45 | 167.11 | 3.91 | 0.0739 | 2.7353 | 5 | 3 | W | 1993 FL ₄₀ | 12.5 | 930314 | 66.68 | 337.60 | 124.24 | 1.87 | 0.1590 | 3.1154 | 5 | 3 | E W |
| 1993 FA ₃₈ | 14.5 | 930314 | 346.95 | 187.86 | 17.96 | 12.19 | 0.1315 | 2.6345 | 28 | 4 | W | 1993 FN ₄₀ | 12.0 | 930403 | 246.56 | 263.01 | 48.80 | 2.73 | 0.0812 | 2.9398 | 33 | 4 | W |
| 1993 FB ₃₈ | 14.0 | 930314 | 284.22 | 93.45 | 192.08 | 9.47 | 0.2064 | 2.5875 | 3 | 3 | E W | 1993 FO ₄₀ | 14.5 | 930314 | 53.07 | 63.20 | 47.45 | 2.50 | 0.1957 | 2.4184 | 5 | 3 | W |
| 1993 FC ₃₈ | 13.0 | 930314 | 325.19 | 229.96 | 6.71 | 0.49 | 0.1793 | 3.1833 | 3 | 3 | E W | 1993 FQ ₄₀ | 12.5 | 930314 | 172.15 | 293.06 | 80.29 | 2.05 | 0.1951 | 3.2030 | 5 | 3 | E W |
| 1993 FD ₃₈ | 15.5 | 930314 | 22.59 | 134.18 | 12.88 | 1.93 | 0.2449 | 2.3469 | 3 | 3 | E W | 1993 FR ₄₀ | 12.5 | 930314 | 133.20 | 226.33 | 176.79 | 10.97 | 0.1500 | 2.9721 | 5 | 3 | E W |
| 1993 FE ₃₈ | 15.5 | 930314 | 350.73 | 39.05 | 155.41 | 3.04 | 0.1550 | 2.2786 | 28 | 6 | W | 1993 FS ₄₀ | 14.0 | 930314 | 179.22 | 332.32 | 33.72 | 4.31 | 0.0918 | 2.2822 | 5 | 3 | E W |
| 1993 FF ₃₈ | 14.5 | 930314 | 259.55 | 177.68 | 127.94 | 2.06 | 0.2070 | 2.2079 | 5 | 3 | W | 1993 FT ₄₀ | 13.5 | 930314 | 246.62 | 148.01 | 174.87 | 4.78 | 0.2323 | 3.0903 | 5 | 3 | W |
| 1993 FG ₃₈ | 12.5 | 930314 | 133.83 | 236.16 | 169.33 | 7.97 | 0.0840 | 3.1212 | 5 | 3 | W | 1993 FU ₄₀ | 15.5 | 930314 | 301.27 | 228.69 | 38.56 | 2.66 | 0.2182 | 2.3277 | 5 | 3 | E W |
| 1993 FH ₃₈ | 13.0 | 930314 | 228.80 | 182.49 | 147.71 | 3.10 | 0.1912 | 2.4190 | 28 | 4 | W | 1993 FV ₄₀ | 14.0 | 930314 | 286.92 | 113.71 | 179.09 | 9.61 | 0.2958 | 2.3854 | 5 | 3 | W |
| 1993 FJ ₃₈ | 12.5 | 930314 | 40.33 | 327.88 | 173.71 | 9.43 | 0.0466 | 3.1689 | 28 | 4 | W | 1993 FW ₄₀ | 13.5 | 930314 | 357.81 | 99.24 | 89.72 | 1.87 | 0.2118 | 3.1599 | 5 | 3 | E W |
| 1993 FK ₃₈ | 12.0 | 930314 | 287.03 | 111.61 | 152.91 | 4.40 | 0.0523 | 3.1517 | 28 | 4 | W | 1993 FY ₄₀ | 13.5 | 930314 | 60.77 | 64.64 | 38.20 | 4.18 | 0.2056 | 2.9784 | 5 | 3 | W |
| 1993 FL ₃₈ | 16.0 | 930314 | 36.54 | 77.00 | 50.48 | 2.46 | 0.2086 | 2.3524 | 5 | 3 | W | 1993 FZ ₄₀ | 13.5 | 930403 | 204.06 | 309.99 | 42.68 | 3.73 | 0.1609 | 2.2829 | 41 | 7 | W |
| 1993 FM ₃₈ | 14.0 | 930314 | 211.07 | 177.80 | 168.17 | 6.45 | 0.2341 | 2.5705 | 5 | 3 | E W | 1993 FA ₄₁ | 14.5 | 930314 | 264.01 | 136.86 | 173.85 | 4.38 | 0.2687 | 2.2766 | 5 | 3 | W |
| 1993 FN ₃₈ | 12.0 | 930314 | 129.42 | 243.37 | 158.06 | 5.24 | 0.2001 | 2.7593 | 28 | 7 | W | 1993 FB ₄₁ | 12.5 | 930314 | 81.00 | 23.91 | 76.02 | 2.72 | 0.0563 | 3.2214 | 5 | 3 | E W |
| 1993 FO ₃₈ | 14.5 | 930314 | 76.23 | 32.01 | 67.35 | 2.37 | 0.0793 | 2.5708 | 5 | 3 | W | 1993 FC ₄₁ | 14.5 | 930314 | 356.74 | 9.23 | 180.58 | 10.73 | 0.1600 | 2.6393 | 28 | 4 | W |
| 1993 FP ₃₈ | 14.0 | 930314 | 202.79 | 327.93 | 23.23 | 8.52 | 0.2526 | 2.2935 | 5 | 3 | W | 1993 FD ₄₁ | 15.0 | 930314 | 98.89 | 266.03 | 171.16 | 5.42 | 0.0840 | 2.1899 | 5 | 3 | W |
| 1993 FQ ₃₈ | 14.0 | 930314 | 22.86 | 6.94 | 149.94 | 3.24 | 0.0878 | 2.4785 | 5 | 3 | W | 1993 FE ₄₁ | 13.0 | 930403 | 330.84 | 170.50 | 54.30 | 3.16 | 0.0746 | 3.1676 | 33 | 4 | W |
| 1993 FR ₃₈ | 12.5 | 930314 | 56.18 | 115.53 | 13.27 | 23.38 | 0.0032 | 3.1326 | 5 | 3 | E W | 1993 FF ₄₁ | 13.5 | 930314 | 281.08 | 102.55 | 176.48 | 12.25 | 0.1115 | 2.9753 | 5 | 3 | W |
| 1993 FS ₃₈ | 12.0 | 930403 | 155.66 | 358.29 | 32.02 | 6.16 | 0.0808 | 3.2229 | 41 | 6 | W | 1993 FG ₄₁ | 14.5 | 930314 | 54.63 | 64.18 | 42.70 | 2.66 | 0.2177 | 2.3575 | 5 | 3 | E W |
| 1993 FT ₃₈ | 14.0 | 930314 | 144.20 | 241.48 | 155.74 | 4.09 | 0.0545 | 2.3678 | 5 | 3 | W | 1993 FH ₄₁ | 14.0 | 930314 | 11.26 | 126.42 | 41.47 | 2.41 | 0.1756 | 2.3946 | 5 | 3 | W |
| 1993 FV ₃₈ | 13.0 | 930314 | 60.28 | 65.59 | 41.47 | 4.34 | 0.1601 | 2.6304 | 5 | 7 | W | 1993 FJ ₄₁ | 13.0 | 930314 | 294.27 | 210.44 | 72.06 | 2.86 | 0.2572 | 3.1101 | 5 | 3 | W |
| 1993 FW ₃₈ | 15.5 | 930314 | 356.76 | 18.32 | 171.66 | 9.76 | 0.0901 | 3.0121 | 5 | 6 | E W | 1993 FK ₄₁ | 15.0 | 930314 | 355.57 | 31.94 | 157.77 | 3.68 | 0.0623 | 2.2305 | 5 | 3 | W |
| 1993 FX ₃₈ | 14.5 | 930314 | 301.46 | 130.50 | 150.28 | 3.76 | 0.3211 | 2.6984 | 28 | 4 | W | 1993 FL ₄₁ | 15.0 | 930314 | 12.40 | 16.26 | 155.14 | 3.81 | 0.0446 | 2.2591 | 28 | 5 | W |
| 1993 FY ₃₈ | 15.0 | 930314 | 276.08 | 186.58 | 114.97 | 2.30 | 0.2853 | 2.3872 | 5 | 3 | W | 1993 FM ₄₁ | 12.0 | 930314 | 260.80 | 286.29 | 13.78 | 23.78 | 0.1215 | 3.1023 | 5 | 4 | W |
| 1993 FZ ₃₈ | 12.5 | 930314 | 250.88 | 262.55 | 39.06 | 5.64 | 0.0565 | 2.9822 | 5 | 3 | W | 1993 FO ₄₁ | 12.0 | 930314 | 139.40 | 28.14 | 6.45 | 12.21 | 0.1911 | 2.7566 | 9 | 5 | E W |
| 1993 FA ₃₉ | 16.0 | 930314 | 21.87 | 117.14 | 31.78 | 3.59 | 0.2082 | 2.1831 | 5 | 3 | W | 1993 FP ₄₁ | 13.5 | 930314 | 318.35 | 256.14 | 359.09 | 3.31 | 0.2968 | 2.7538 | 5 | 3 | E W |
| 1993 FB ₃₉ | 14.5 | 930314 | 102.08 | 284.83 | 140.11 | 3.31 | 0.1823 | 2.4833 | 5 | 3 | W | 1993 FQ ₄₁ | 14.5 | 930314 | 309.84 | 247.78 | 358.58 | 3.09 | 0.1151 | 2.8792 | 5 | 3 | W |
| 1993 FC ₃₉ | 12.5 | 930314 | 62.90 | 296.21 | 177.14 | 14.97 | 0.1020 | 3.1683 | 5 | 6 | W | 1993 FR ₄₁ | 12.5 | 930314 | 292.93 | 98.41 | 171 | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|------|--------|--------|--------|--------|-------|--------|--------|----|---|---|---|-----------------------|------|--------|--------|--------|--------|-------|--------|--------|----|---|---|---|
| 1993 FA ₄₂ | 15.0 | 930314 | 67.66 | 285.90 | 178.19 | 1.01 | 0.1164 | 2.4111 | 5 | 3 | E | W | 1993 FL ₄₄ | 15.5 | 930314 | 353.55 | 193.26 | 359.59 | 2.36 | 0.1253 | 2.4819 | 5 | 3 | W | |
| 1993 FB ₄₂ | 15.0 | 930314 | 61.75 | 86.09 | 10.86 | 4.63 | 0.2344 | 2.5607 | 27 | 8 | | W | 1993 FM ₄₄ | 14.0 | 930314 | 291.16 | 96.41 | 189.64 | 6.40 | 0.2675 | 2.7927 | 5 | 3 | E | W |
| 1993 FC ₄₂ | 12.0 | 930403 | 294.91 | 250.57 | 11.05 | 9.68 | 0.0555 | 3.0346 | 33 | 9 | | W | 1993 FN ₄₄ | 15.5 | 930314 | 40.99 | 279.69 | 197.77 | 1.15 | 0.2672 | 2.4611 | 5 | 3 | E | W |
| 1993 FD ₄₂ | 12.5 | 930314 | 158.75 | 342.81 | 41.43 | 0.95 | 0.1386 | 3.1837 | 5 | 3 | E | W | 1993 FO ₄₄ | 15.5 | 930314 | 325.51 | 294.72 | 292.71 | 1.95 | 0.1507 | 2.4446 | 3 | 3 | W | |
| 1993 FE ₄₂ | 12.5 | 930314 | 257.92 | 119.40 | 176.37 | 2.93 | 0.0648 | 2.7751 | 5 | 3 | E | W | 1993 FP ₄₄ | 14.5 | 930314 | 307.61 | 35.98 | 212.73 | 3.60 | 0.1482 | 2.2365 | 3 | 3 | E | W |
| 1993 FF ₄₂ | 12.0 | 930314 | 237.36 | 141.93 | 189.46 | 25.13 | 0.2532 | 3.0399 | 5 | 3 | | W | 1993 FQ ₄₄ | 15.5 | 930314 | 9.04 | 313.30 | 211.66 | 3.30 | 0.2556 | 2.5410 | 3 | 3 | W | |
| 1993 FH ₄₂ | 12.5 | 930314 | 252.94 | 122.96 | 190.81 | 2.94 | 0.1993 | 2.4450 | 5 | 3 | E | W | 1993 FS ₄₄ | 12.5 | 930314 | 265.29 | 315.11 | 354.39 | 10.21 | 0.2936 | 2.5175 | 5 | 4 | W | |
| 1993 FJ ₄₂ | 12.5 | 930314 | 254.20 | 306.11 | 9.98 | 12.36 | 0.2237 | 2.9984 | 5 | 3 | | W | 1993 FT ₄₄ | 15.0 | 930314 | 352.88 | 198.88 | 352.74 | 5.99 | 0.0639 | 2.5169 | 3 | 3 | W | |
| 1993 FK ₄₂ | 14.0 | 930314 | 69.34 | 284.32 | 182.26 | 1.92 | 0.0987 | 2.8532 | 5 | 3 | E | W | 1993 FU ₄₄ | 15.5 | 930314 | 0.89 | 232.82 | 308.32 | 1.47 | 0.2749 | 2.9840 | 3 | 3 | E | W |
| 1993 FL ₄₂ | 13.5 | 930314 | 285.21 | 104.42 | 184.88 | 14.77 | 0.2337 | 3.1541 | 5 | 3 | E | W | 1993 FV ₄₄ | 12.0 | 930403 | 209.50 | 302.63 | 40.88 | 1.07 | 0.1743 | 3.1779 | 29 | 4 | W | |
| 1993 FM ₄₂ | 13.5 | 930314 | 144.26 | 11.90 | 19.70 | 3.79 | 0.1955 | 2.3236 | 5 | 3 | E | W | 1993 FW ₄₄ | 14.0 | 930314 | 73.14 | 304.73 | 160.32 | 1.83 | 0.0321 | 2.9326 | 5 | 3 | E | W |
| 1993 FN ₄₂ | 13.0 | 930314 | 297.66 | 254.12 | 13.57 | 6.35 | 0.1646 | 3.1210 | 5 | 3 | | W | 1993 FX ₄₄ | 15.0 | 930314 | 279.64 | 91.27 | 177.46 | 7.30 | 0.0625 | 2.2819 | 28 | 4 | W | |
| 1993 FO ₄₂ | 12.0 | 930314 | 308.62 | 219.90 | 39.45 | 1.52 | 0.2023 | 3.2008 | 5 | 3 | E | W | 1993 FY ₄₄ | 13.0 | 930314 | 69.70 | 291.36 | 151.04 | 1.97 | 0.2650 | 3.3204 | 28 | 4 | W | |
| 1993 FP ₄₂ | 14.5 | 930314 | 177.05 | 184.20 | 184.54 | 6.37 | 0.1120 | 2.2396 | 5 | 3 | E | W | 1993 FZ ₄₄ | 12.5 | 930314 | 45.69 | 330.61 | 156.20 | 2.12 | 0.1071 | 2.8992 | 28 | 4 | W | |
| 1993 FQ ₄₂ | 13.5 | 930314 | 278.80 | 99.81 | 186.94 | 10.04 | 0.1525 | 3.1936 | 5 | 3 | E | W | 1993 FB ₄₅ | 16.0 | 930314 | 16.47 | 124.27 | 31.42 | 1.78 | 0.1846 | 2.1847 | 5 | 3 | W | |
| 1993 FR ₄₂ | 13.5 | 930314 | 265.77 | 259.45 | 26.71 | 2.50 | 0.0441 | 2.7488 | 5 | 3 | E | W | 1993 FC ₄₅ | 14.0 | 930314 | 206.78 | 175.29 | 165.27 | 3.09 | 0.1025 | 2.5184 | 28 | 4 | W | |
| 1993 FS ₄₂ | 14.0 | 930314 | 298.17 | 213.50 | 61.43 | 0.24 | 0.2398 | 2.5309 | 5 | 3 | E | W | 1993 FD ₄₅ | 14.0 | 930314 | 90.59 | 48.50 | 40.19 | 2.08 | 0.0307 | 3.0075 | 5 | 3 | E | W |
| 1993 FT ₄₂ | 13.5 | 930403 | 62.01 | 81.75 | 29.10 | 2.39 | 0.1670 | 2.3891 | 33 | 4 | | W | 1993 FE ₄₅ | 15.0 | 930314 | 247.18 | 283.45 | 15.63 | 3.58 | 0.0366 | 2.6313 | 5 | 3 | E | W |
| 1993 FU ₄₂ | 14.0 | 930403 | 31.98 | 334.91 | 178.19 | 4.83 | 0.0957 | 2.3960 | 41 | 7 | | W | 1993 FF ₄₅ | 16.0 | 930314 | 5.56 | 142.87 | 28.90 | 2.12 | 0.1845 | 2.2188 | 5 | 3 | W | |
| 1993 FV ₄₂ | 15.0 | 930314 | 16.30 | 336.02 | 186.14 | 8.20 | 0.1944 | 3.0571 | 5 | 3 | | W | 1993 FG ₄₅ | 15.5 | 930403 | 323.74 | 211.88 | 17.12 | 4.75 | 0.0747 | 2.7080 | 29 | 4 | W | |
| 1993 FW ₄₂ | 14.5 | 930314 | 24.33 | 128.95 | 16.58 | 2.18 | 0.2243 | 2.3433 | 5 | 3 | | W | 1993 FH ₄₅ | 15.5 | 930314 | 337.94 | 150.99 | 60.28 | 1.15 | 0.1612 | 2.3056 | 5 | 3 | W | |
| 1993 FX ₄₂ | 13.0 | 930314 | 35.47 | 320.63 | 187.83 | 9.85 | 0.0553 | 3.0123 | 5 | 3 | | W | 1993 FJ ₄₅ | 14.0 | 930314 | 332.28 | 49.23 | 167.94 | 3.74 | 0.1169 | 2.7165 | 28 | 4 | W | |
| 1993 FY ₄₂ | 14.0 | 930314 | 65.38 | 282.09 | 186.54 | 5.17 | 0.1219 | 2.8276 | 5 | 3 | | W | 1993 FK ₄₅ | 15.0 | 930314 | 227.46 | 265.32 | 64.88 | 1.37 | 0.2039 | 2.4308 | 5 | 3 | E | W |
| 1993 FZ ₄₂ | 13.5 | 930314 | 296.99 | 154.97 | 121.70 | 0.81 | 0.2287 | 3.0718 | 5 | 3 | E | W | 1993 FL ₄₅ | 14.5 | 930403 | 16.72 | 43.97 | 115.98 | 1.12 | 0.2578 | 2.5317 | 29 | 4 | W | |
| 1993 FA ₄₃ | 12.5 | 930314 | 68.94 | 93.97 | 22.15 | 1.81 | 0.0270 | 2.9274 | 5 | 3 | E | W | 1993 FM ₄₅ | 14.0 | 930403 | 302.57 | 214.90 | 32.41 | 2.51 | 0.0246 | 2.5174 | 29 | 4 | W | |
| 1993 FB ₄₃ | 12.0 | 930314 | 265.37 | 298.42 | 12.30 | 12.10 | 0.2531 | 3.1561 | 5 | 3 | | W | 1993 FN ₄₅ | 14.0 | 930314 | 129.52 | 30.90 | 20.58 | 3.06 | 0.0141 | 2.2434 | 5 | 3 | E | W |
| 1993 FD ₄₃ | 14.0 | 930314 | 268.17 | 149.04 | 155.46 | 3.12 | 0.2629 | 2.7240 | 5 | 3 | | W | 1993 FO ₄₅ | 15.0 | 930403 | 310.80 | 225.54 | 25.71 | 2.17 | 0.1399 | 2.2133 | 29 | 4 | W | |
| 1993 FE ₄₃ | 14.0 | 930314 | 267.18 | 130.03 | 147.89 | 2.67 | 0.0110 | 2.8127 | 5 | 3 | E | W | 1993 FP ₄₅ | 14.0 | 930314 | 178.75 | 311.30 | 53.19 | 1.98 | 0.2059 | 2.4181 | 5 | 3 | W | |
| 1993 FF ₄₃ | 14.5 | 930314 | 317.08 | 56.93 | 177.31 | 9.62 | 0.0904 | 2.7994 | 28 | 4 | | W | 1993 FQ ₄₅ | 11.5 | 930314 | 221.61 | 153.32 | 175.46 | 9.56 | 0.0863 | 3.0803 | 28 | 4 | W | |
| 1993 FG ₄₃ | 14.5 | 930314 | 23.75 | 343.52 | 157.34 | 2.26 | 0.2759 | 2.9869 | 5 | 3 | | W | 1993 FR ₄₅ | 14.5 | 930314 | 111.93 | 238.74 | 180.82 | 17.22 | 0.1201 | 2.4729 | 5 | 3 | W | |
| 1993 FH ₄₃ | 13.5 | 930403 | 278.74 | 245.99 | 49.27 | 0.50 | 0.2216 | 2.3245 | 29 | 4 | | W | 1993 FS ₄₅ | 14.5 | 930314 | 180.53 | 348.98 | 13.99 | 7.98 | 0.1580 | 2.3247 | 5 | 3 | E | W |
| 1993 FJ ₄₃ | 15.5 | 930314 | 343.12 | 33.79 | 170.16 | 3.77 | 0.1337 | 2.2733 | 5 | 3 | | W | 1993 FT ₄₅ | 14.5 | 930314 | 312.22 | 61.14 | 178.36 | 11.80 | 0.0898 | 2.8601 | 5 | 3 | W | |
| 1993 FK ₄₃ | 15.0 | 930314 | 294.24 | 105.38 | 166.48 | 2.92 | 0.2094 | 2.1970 | 5 | 3 | E | W | 1993 FU ₄₅ | 15.0 | 930314 | 343.00 | 168.89 | 38.42 | 1.86 | 0.1859 | 2.7500 | 5 | 3 | E | W |
| 1993 FL ₄₃ | 15.0 | 930314 | 28.82 | 318.20 | 175.47 | 2.42 | 0.2651 | 2.6598 | 5 | 3 | E | W | 1993 FV ₄₅ | 13.5 | 930314 | 260.11 | 141.81 | 170.70 | 5.85 | 0.2826 | 2.5411 | 28 | 4 | W | |
| 1993 FM ₄₃ | 14.0 | 930314 | 13.33 | 149.16 | 18.18 | 1.81 | 0.1003 | 2.7234 | 5 | 3 | E | W | 1993 FW ₄₅ | 15.0 | 930314 | 285.43 | 92.55 | 189.66 | 6.37 | 0.2114 | 2.2756 | 5 | 3 | E | W |
| 1993 FN ₄₃ | 14.5 | 930314 | 274.17 | 129.69 | 166.28 | 4.41 | 0.2312 | 2.6525 | 5 | 3 | | W | 1993 FX ₄₅ | 16.0 | 930314 | 5.42 | 351.39 | 184.35 | 7.89 | 0.1264 | 2.4848 | 5 | 3 | W | |
| 1993 FO ₄₃ | 15.0 | 930314 | 19.41 | 90.94 | 57.66 | 1.63 | 0.2723 | 3.1264 | 5 | 3 | | W | 1993 FY ₄₅ | 15.0 | 930403 | 16.67 | 341.22 | 187.93 | 4.58 | 0.1027 | 2.2235 | 29 | 4 | W | |
| 1993 FP ₄₃ | 13.0 | 930314 | 278.45 | 207.67 | 72.99 | 0.77 | 0.1256 | 2.9414 | 5 | 3 | E | W | 1993 FZ ₄₅ | 14.5 | 930314 | 21.49 | 163.36 | 356.99 | 2.93 | 0.0562 | 2.7379 | 9 | 6 | W | |
| 1993 FQ ₄₃ | 13.0 | 930403 | 110.21 | 43.47 | 14.73 | 3.25 | 0.2076 | 2.5798 | 29 | 6 | | W | 1993 FA ₄₆ | 13.5 | 930314 | 156.92 | 182.12 | 202.13 | 2.49 | 0.1037 | 2.7065 | 27 | 0 | W | |
| 1993 FR ₄₃ | 14.5 | 930314 | 65.53 | 55.98 | 30.54 | 4.03 | 0.2725 | 2.6372 | 5 | 3 | | W | 1993 FB ₄₆ | 13.0 | 930314 | 278.80 | 108.83 | 172.66 | 1.63 | 0.1336 | 3.0044 | 5 | 3 | E | W |
| 1993 FS ₄₃ | 13.0 | 930314 | 274.46 | 258.98 | 14.03 | 10.95 | 0.0285 | 2.9513 | 5 | 3 | E | W | 1993 FC ₄₆ | 14.5 | 930403 | 301.62 | 23.17 | 243.61 | 0.36 | 0.1751 | 2.4092 | 29 | 7 | W | |
| 1993 FT ₄₃ | 15.0 | 930314 | 20.71 | 355.91 | 160.15 | 2.67 | 0.1373 | 2.7576 | 5 | 3 | | W | 1993 FD ₄₆ | 15.5 | 930314 | 22.49 | 270.43 | 231.93 | 0.68 | 0.2911 | 2.9955 | 9 | 5 | W | |
| 1993 FU ₄₃ | 13.5 | 930314 | 47.04 | 77.42 | 49.21 | 1.38 | 0.1194 | 3.2129 | 5 | 3 | E | W | 1993 FE ₄₆ | 14.0 | 930314 | 64.83 | 280.34 | 181.49 | 3.34 | 0.1651 | 3.1296 | 5 | 3 | E | W |
| 1993 FV ₄₃ | 13.5 | 930314 | 240.46 | 190.62 | 135.08 | 1.16 | 0.2486 | 2.6431 | 5 | 3 | | W | 1993 FF ₄₆ | 16.0 | 930314 | 289.24 | 74.51 | 208.41 | 0.07 | 0.2446 | 2.4517 | 5 | 3 | E | W |
| 1993 FW ₄₃ | 15.5 | 930403 | 311.97 | 229.35 | 20.55 | 6.20 | 0.1377 | 2.4522 | 29 | 4 | | W | 1993 FG ₄₆ | 14.0 | 930403 | 312.28 | 254.03 | 3.32 | 15.80 | 0.1993 | 2.7351 | 29 | 4 | W | |
| 1993 FX ₄₃ | 13.0 | 930314 | 52.48 | 139.50 | 349.59 | 2.68 | 0.0361 | 2.6613 | 5 | 3 | | W | 1993 FH ₄₆ | 14.0 | 930314 | 223.75 | 149.67 | 188.11 | 9.80 | 0.2531 | 2.4552 | 13 | 5 | E | W |
| 1993 FY ₄₃ | 13.5 | 930403 | 283.96 | 288.34 | 351.85 | 2.24 | 0.1263 | 2.5944 | 29 | 6 | | W | 1993 FJ ₄₆ | 13.5 | 930403 | 122.68 | 69.73 | 341.39 | 1.01 | 0.1811 | 2.3050 | 29 | 0 | W | |
| 1993 FZ ₄₃ | 14.0 | 930314 | 287.84 | 97.82 | 188.50 | 10.35 | 0.2558 | 2.5236 | 5 | 3 | E | W | 1993 FK ₄₆ | 16.5 | 930314 | 278.84 | 97.34 | 178.28 | 2.42 | 0.1235 | 2.1921 | 5 | 3 | E | W |
| 1993 FA ₄₄ | 15.0 | 930314 | 119.33 | 218.43 | 193.71 | 5.65 | 0.1530 | 2.4427 | 5 | 3 | E | W | 1993 FL ₄₆ | 14.0 | 930403 | 37.24 | 143.04 | 359.77 | 2.54 | 0.0859 | 2.3955 | 29 | 4 | W | |
| 1993 FB ₄₄ | 13.0 | 930403 | 128.09 | 204.66 | 213.60 | 1.49 | 0.0407 | 2.8682 | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|------|--------|--------|--------|--------|-------|--------|--------|----|---|-----|-----------------------|------|--------|--------|--------|--------|-------|--------|--------|----|---|-----|
| 1993 FV ₄₆ | 15.0 | 930314 | 22.52 | 328.95 | 179.00 | 5.37 | 0.1932 | 2.9733 | 5 | 3 | W | 1993 FF ₄₉ | 12.5 | 930403 | 74.73 | 80.59 | 6.18 | 6.46 | 0.2263 | 2.9357 | 29 | 4 | W |
| 1993 FW ₄₆ | 13.0 | 930314 | 287.58 | 257.90 | 17.15 | 1.90 | 0.1854 | 2.5479 | 5 | 3 | E W | 1993 FH ₄₉ | 13.0 | 930403 | 112.71 | 238.94 | 190.71 | 1.56 | 0.0536 | 2.9028 | 29 | 7 | W |
| 1993 FX ₄₆ | 14.0 | 930314 | 40.57 | 299.13 | 180.30 | 5.41 | 0.2311 | 2.8961 | 5 | 3 | E W | 1993 FJ ₄₉ | 13.5 | 930314 | 156.76 | 16.49 | 6.03 | 4.28 | 0.1072 | 2.4281 | 5 | 3 | W |
| 1993 FY ₄₆ | 15.0 | 930314 | 287.27 | 252.06 | 24.34 | 1.63 | 0.1923 | 2.6583 | 5 | 3 | E W | 1993 FK ₄₉ | 15.0 | 930314 | 86.32 | 93.06 | 3.48 | 2.22 | 0.0059 | 2.6245 | 5 | 3 | E W |
| 1993 FZ ₄₆ | 14.0 | 930314 | 128.91 | 40.23 | 5.62 | 5.23 | 0.0896 | 2.6708 | 5 | 3 | W | 1993 FL ₄₉ | 15.0 | 930314 | 75.38 | 273.35 | 187.72 | 2.99 | 0.0578 | 2.3745 | 5 | 3 | E W |
| 1993 FA ₄₇ | 14.0 | 930314 | 281.32 | 273.87 | 6.79 | 8.83 | 0.1768 | 2.5328 | 5 | 3 | E W | 1993 FM ₄₉ | 16.0 | 930314 | 25.36 | 324.30 | 175.35 | 0.99 | 0.2389 | 2.2548 | 5 | 3 | W |
| 1993 FB ₄₇ | 16.0 | 930314 | 23.39 | 115.73 | 26.87 | 1.11 | 0.2390 | 2.6462 | 5 | 3 | W | 1993 FN ₄₉ | 14.0 | 930403 | 316.17 | 231.19 | 6.26 | 0.97 | 0.0623 | 2.5518 | 29 | 4 | W |
| 1993 FC ₄₇ | 13.0 | 930314 | 7.14 | 160.57 | 14.00 | 2.67 | 0.0451 | 2.9877 | 5 | 3 | W | 1993 FO ₄₉ | 14.0 | 930314 | 160.71 | 218.45 | 160.77 | 1.62 | 0.1008 | 2.3500 | 5 | 3 | W |
| 1993 FD ₄₇ | 13.5 | 930403 | 340.46 | 52.95 | 157.29 | 1.45 | 0.0941 | 3.1014 | 29 | 4 | W | 1993 FP ₄₉ | 14.5 | 930314 | 293.99 | 62.30 | 200.30 | 0.67 | 0.1209 | 2.5128 | 5 | 3 | E W |
| 1993 FE ₄₇ | 11.5 | 930403 | 167.47 | 214.51 | 159.60 | 0.72 | 0.2314 | 3.1785 | 29 | 4 | W | 1993 FQ ₄₉ | 14.5 | 930314 | 279.92 | 223.37 | 56.50 | 0.52 | 0.1327 | 3.1534 | 5 | 3 | E W |
| 1993 FF ₄₇ | 15.0 | 930314 | 66.75 | 286.30 | 169.23 | 1.77 | 0.1688 | 2.2972 | 5 | 3 | W | 1993 FR ₄₉ | 12.5 | 930314 | 304.51 | 73.22 | 187.11 | 1.13 | 0.1921 | 3.1354 | 5 | 3 | E W |
| 1993 FG ₄₇ | 14.0 | 930314 | 107.11 | 56.46 | 6.90 | 9.86 | 0.1193 | 2.8864 | 5 | 3 | E W | 1993 FS ₄₉ | 15.0 | 930314 | 337.55 | 35.36 | 173.81 | 1.86 | 0.0948 | 2.2417 | 5 | 3 | E W |
| 1993 FH ₄₇ | 13.5 | 930403 | 298.84 | 272.15 | 7.63 | 3.28 | 0.2745 | 2.4387 | 29 | 4 | W | 1993 FT ₄₉ | 14.5 | 930314 | 255.29 | 114.17 | 189.15 | 9.92 | 0.1636 | 2.4392 | 5 | 3 | W |
| 1993 FJ ₄₇ | 14.5 | 930314 | 5.45 | 4.04 | 170.40 | 2.34 | 0.0957 | 2.3290 | 5 | 3 | W | 1993 FU ₄₉ | 13.0 | 930314 | 107.94 | 191.20 | 236.15 | 1.61 | 0.0620 | 2.5735 | 5 | 3 | W |
| 1993 FL ₄₇ | 15.0 | 930314 | 308.20 | 59.74 | 179.10 | 4.15 | 0.0591 | 2.2618 | 5 | 3 | W | 1993 FV ₄₉ | 13.5 | 930314 | 138.07 | 129.17 | 269.02 | 0.99 | 0.0951 | 3.1930 | 5 | 3 | E W |
| 1993 FM ₄₇ | 14.5 | 930314 | 267.87 | 274.27 | 9.34 | 5.94 | 0.0780 | 2.7110 | 5 | 3 | E W | 1993 FW ₄₉ | 13.5 | 930403 | 219.72 | 355.18 | 337.51 | 1.82 | 0.0917 | 2.5918 | 29 | 6 | W |
| 1993 FN ₄₇ | 16.0 | 930314 | 49.75 | 323.24 | 146.36 | 0.80 | 0.2132 | 2.3348 | 5 | 3 | W | 1993 FX ₄₉ | 14.0 | 930314 | 300.94 | 260.84 | 359.97 | 16.17 | 0.1787 | 2.8921 | 5 | 3 | W |
| 1993 FO ₄₇ | 13.5 | 930314 | 270.81 | 245.66 | 34.00 | 1.38 | 0.0616 | 3.1081 | 5 | 3 | E W | 1993 FY ₄₉ | 14.0 | 930314 | 120.78 | 206.75 | 207.54 | 2.95 | 0.0803 | 2.7199 | 5 | 3 | W |
| 1993 FP ₄₇ | 15.0 | 930314 | 253.97 | 299.55 | 12.85 | 3.96 | 0.2355 | 2.4267 | 5 | 3 | E W | 1993 FZ ₄₉ | 14.5 | 930403 | 290.77 | 284.99 | 347.64 | 2.60 | 0.1435 | 2.2832 | 29 | 4 | W |
| 1993 FQ ₄₇ | 15.5 | 930314 | 177.54 | 344.87 | 19.82 | 2.51 | 0.0840 | 2.3029 | 5 | 3 | E W | 1993 FA ₅₀ | 15.0 | 930314 | 67.83 | 264.60 | 193.13 | 6.06 | 0.1428 | 2.4253 | 5 | 3 | E W |
| 1993 FR ₄₇ | 13.5 | 930314 | 148.89 | 245.11 | 144.24 | 1.30 | 0.0869 | 2.4349 | 5 | 3 | W | 1993 FB ₅₀ | 15.0 | 930403 | 71.81 | 112.02 | 355.28 | 9.83 | 0.0766 | 2.2241 | 29 | 4 | W |
| 1993 FS ₄₇ | 14.0 | 930403 | 89.20 | 80.81 | 9.26 | 6.46 | 0.0739 | 2.4184 | 30 | 7 | W | 1993 FC ₅₀ | 14.0 | 930314 | 320.15 | 43.72 | 186.30 | 20.89 | 0.1026 | 2.6799 | 5 | 3 | W |
| 1993 FT ₄₇ | 14.0 | 930403 | 311.39 | 228.15 | 12.79 | 3.87 | 0.0518 | 2.7958 | 29 | 4 | W | 1993 FE ₅₀ | 12.5 | 930314 | 126.83 | 216.29 | 194.24 | 7.43 | 0.0704 | 3.1824 | 5 | 3 | E W |
| 1993 FU ₄₇ | 16.5 | 930314 | 32.74 | 100.46 | 29.21 | 0.99 | 0.2310 | 2.2933 | 5 | 3 | W | 1993 FF ₅₀ | 14.0 | 930403 | 272.05 | 320.58 | 338.52 | 2.04 | 0.2135 | 2.3096 | 29 | 4 | W |
| 1993 FV ₄₇ | 15.5 | 930314 | 305.83 | 215.68 | 44.10 | 1.10 | 0.2206 | 2.3884 | 5 | 3 | E W | 1993 FG ₅₀ | 14.0 | 930403 | 301.99 | 298.06 | 322.91 | 1.95 | 0.1420 | 2.3748 | 29 | 7 | W |
| 1993 FW ₄₇ | 12.5 | 930314 | 309.11 | 237.38 | 12.18 | 5.65 | 0.1498 | 3.2038 | 5 | 3 | E W | 1993 FH ₅₀ | 14.5 | 930314 | 263.90 | 112.42 | 188.26 | 10.33 | 0.2040 | 2.4343 | 5 | 3 | E W |
| 1993 FX ₄₇ | 15.5 | 930314 | 23.03 | 333.50 | 169.50 | 2.32 | 0.2353 | 2.1833 | 5 | 3 | W | 1993 FK ₅₀ | 14.0 | 930314 | 139.15 | 131.87 | 259.06 | 1.02 | 0.2255 | 2.7973 | 5 | 3 | E W |
| 1993 FY ₄₇ | 14.5 | 930314 | 209.33 | 316.43 | 24.92 | 2.82 | 0.1487 | 2.3789 | 5 | 3 | E W | 1993 FL ₅₀ | 16.0 | 930403 | 352.72 | 255.84 | 303.58 | 1.29 | 0.1675 | 2.2176 | 29 | 4 | W |
| 1993 FZ ₄₇ | 15.0 | 930314 | 31.52 | 343.86 | 150.51 | 1.73 | 0.2215 | 2.9829 | 5 | 3 | E W | 1993 FN ₅₀ | 15.5 | 930403 | 270.18 | 106.86 | 191.36 | 6.34 | 0.1846 | 2.1884 | 29 | 4 | W |
| 1993 FA ₄₈ | 13.5 | 930314 | 226.73 | 316.46 | 12.90 | 7.84 | 0.1642 | 2.7656 | 5 | 3 | E W | 1993 FO ₅₀ | 15.0 | 930403 | 63.29 | 142.73 | 331.17 | 1.28 | 0.0995 | 2.3155 | 29 | 4 | W |
| 1993 FB ₄₈ | 15.0 | 930314 | 173.33 | 338.74 | 29.52 | 1.73 | 0.2320 | 2.2834 | 5 | 3 | W | 1993 FP ₅₀ | 15.5 | 930314 | 2.42 | 187.25 | 350.82 | 3.15 | 0.1159 | 2.2579 | 5 | 3 | W |
| 1993 FC ₄₈ | 15.0 | 930403 | 332.25 | 73.25 | 154.38 | 0.72 | 0.1622 | 2.1364 | 29 | 4 | W | 1993 FQ ₅₀ | 15.0 | 930403 | 258.48 | 338.19 | 329.86 | 5.23 | 0.1755 | 2.1273 | 29 | 4 | W |
| 1993 FD ₄₈ | 15.0 | 930403 | 315.81 | 240.38 | 15.95 | 3.00 | 0.2381 | 2.5733 | 29 | 4 | W | 1993 FR ₅₀ | 16.0 | 930314 | 62.08 | 113.93 | 348.83 | 5.27 | 0.1594 | 2.3393 | 5 | 3 | W |
| 1993 FE ₄₈ | 13.5 | 930314 | 56.83 | 267.77 | 188.23 | 7.95 | 0.2560 | 2.7603 | 5 | 3 | E W | 1993 FT ₅₀ | 12.5 | 930314 | 187.77 | 11.52 | 348.90 | 4.03 | 0.2714 | 3.0067 | 7 | 6 | W |
| 1993 FG ₄₈ | 16.0 | 930314 | 333.14 | 32.61 | 183.67 | 7.49 | 0.1554 | 2.2391 | 5 | 3 | E W | 1993 FU ₅₀ | 12.0 | 930314 | 107.05 | 73.22 | 338.36 | 2.09 | 0.2625 | 2.6081 | 5 | 3 | W |
| 1993 FH ₄₈ | 14.5 | 930314 | 1.15 | 354.16 | 186.23 | 7.13 | 0.0982 | 3.2058 | 5 | 3 | E W | 1993 FV ₅₀ | 14.5 | 930403 | 38.20 | 262.38 | 234.68 | 1.42 | 0.1628 | 2.3577 | 29 | 4 | W |
| 1993 FJ ₄₈ | 13.5 | 930403 | 317.43 | 38.46 | 192.57 | 1.40 | 0.0324 | 2.9291 | 29 | 4 | W | 1993 FW ₅₀ | 14.0 | 930314 | 71.45 | 262.84 | 198.61 | 2.04 | 0.0884 | 2.4410 | 5 | 3 | E W |
| 1993 FK ₄₈ | 16.5 | 930403 | 23.96 | 326.53 | 190.20 | 2.85 | 0.1283 | 2.1747 | 29 | 4 | W | 1993 FX ₅₀ | 13.0 | 930403 | 300.18 | 64.36 | 197.93 | 4.85 | 0.1319 | 2.7629 | 29 | 7 | W |
| 1993 FL ₄₈ | 13.5 | 930314 | 174.52 | 173.75 | 192.71 | 4.23 | 0.1956 | 2.6685 | 5 | 3 | W | 1993 FY ₅₀ | 15.0 | 930314 | 356.94 | 302.01 | 245.01 | 0.99 | 0.0981 | 2.7691 | 7 | 6 | W |
| 1993 FM ₄₈ | 14.0 | 930314 | 217.25 | 333.15 | 2.07 | 3.95 | 0.1796 | 2.3596 | 5 | 3 | E W | 1993 FZ ₅₀ | 14.5 | 930314 | 262.55 | 312.87 | 340.60 | 1.33 | 0.1162 | 2.3868 | 5 | 3 | W |
| 1993 FN ₄₈ | 13.0 | 930314 | 74.76 | 270.76 | 188.75 | 3.35 | 0.0652 | 2.5131 | 5 | 3 | E W | 1993 FA ₅₁ | 14.0 | 930314 | 19.47 | 325.99 | 188.48 | 11.47 | 0.1935 | 3.1623 | 5 | 3 | W |
| 1993 FO ₄₈ | 13.0 | 930403 | 274.73 | 8.03 | 275.73 | 0.20 | 0.1068 | 2.8869 | 29 | 4 | W | 1993 FB ₅₁ | 13.0 | 930314 | 206.87 | 353.81 | 350.32 | 4.20 | 0.1290 | 3.1005 | 5 | 3 | W |
| 1993 FP ₄₈ | 14.0 | 930403 | 281.97 | 29.66 | 243.82 | 0.92 | 0.0759 | 2.6110 | 29 | 4 | W | 1993 FC ₅₁ | 13.5 | 930403 | 181.05 | 45.87 | 321.27 | 1.22 | 0.0683 | 2.8635 | 29 | 0 | W |
| 1993 FQ ₄₈ | 14.0 | 930403 | 289.43 | 272.36 | 3.08 | 4.37 | 0.1571 | 2.2929 | 30 | 7 | W | 1993 FD ₅₁ | 13.0 | 930314 | 146.76 | 107.43 | 278.09 | 0.55 | 0.2595 | 2.6964 | 5 | 3 | E W |
| 1993 FR ₄₈ | 13.0 | 930314 | 66.33 | 110.56 | 336.57 | 1.54 | 0.2561 | 3.1326 | 5 | 3 | E W | 1993 FE ₅₁ | 15.0 | 930314 | 26.57 | 316.38 | 188.31 | 5.97 | 0.1819 | 2.7226 | 5 | 3 | W |
| 1993 FS ₄₈ | 13.0 | 930314 | 69.48 | 270.32 | 185.60 | 16.40 | 0.1547 | 3.1736 | 5 | 3 | E W | 1993 FF ₅₁ | 14.0 | 930314 | 66.93 | 121.11 | 355.03 | 4.99 | 0.0118 | 2.7913 | 5 | 3 | E W |
| 1993 FT ₄₈ | 12.0 | 930403 | 66.41 | 105.62 | 4.28 | 7.20 | 0.0926 | 3.1116 | 29 | 7 | W | 1993 FG ₅₁ | 13.0 | 930403 | 263.24 | 106.44 | 195.26 | 4.39 | 0.1519 | 3.1110 | 29 | 7 | W |
| 1993 FU ₄₈ | 14.5 | 930314 | 89.41 | 241.54 | 187.35 | 9.12 | 0.2208 | 2.8022 | 5 | 3 | W | 1993 FH ₅₁ | 14.5 | 930403 | 62.52 | 215.15 | 248.81 | 1.27 | 0.2010 | 2.6745 | 29 | 4 | W |
| 1993 FV ₄₈ | 13.5 | 930314 | 291.79 | 75.85 | 182.44 | 6.99 | 0.0766 | 2.3781 | 28 | 4 | W | 1993 FJ ₅₁ | 15.5 | 930314 | 65.83 | 112.16 | 347.86 | 2.33 | 0.1501 | 2.1721 | 7 | 6 | E W |
| 1993 FW ₄₈ | 14.5 | 930314 | 123.93 | 40.55 | 3.33 | 1.44 | 0.1820 | 2.6082 | 5 | 3 | E W | 1993 FK ₅₁ | 15.0 | 930403 | 138.22 | 213.48 | 193.46 | 3.90 | 0.0499 | 2.3732 | 29 | 7 | W |
| 1993 FX ₄₈ | 15.5 | 930314 | 59.79 | 258.91 | 199.08 | 0.65 | 0.2156 | 2.4382 | 5 | 3 | E W | 1993 GA ₁ | 13.5 | 930403 | 164.15 | 14.7 | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----------------------------|-------------|---------------|--------------|---------------|---------------|--------------|---------------|----------------|-----------------|----------------------|-------------|---------------|---------------|---------------|---------------|--------------|---------------|---------------|--------------|--------|
| 1993 SC | 7.0 | 931020 | 0.13 | 4.15 | 354.65 | 5.16 | 0.1381 | 39.2759 | 63 | 0 E M | 1994 FP | 16.0 | 940309 | 49.87 | 91.89 | 6.53 | 21.45 | 0.2693 | 2.3419 | 12 6 W |
| 1993 TO ₂₉ | 15.5 | 930930 | 346.79 | 210.80 | 184.32 | 6.54 | 0.1109 | 2.2681 | 12 9 W | 1994 FR | 13.5 | 940329 | 274.42 | 325.35 | 308.37 | 1.14 | 0.1202 | 3.0000 | 9 9 E W | |
| 1993 TS ₂₉ | 16.0 | 930930 | 356.12 | 285.56 | 97.86 | 2.68 | 0.1951 | 2.3870 | 12 9 W | 1994 FU | 15.5 | 940309 | 49.32 | 243.66 | 228.02 | 19.99 | 0.2461 | 2.3185 | 11 6 W | |
| 1993 TU ₂₉ | 13.5 | 930930 | 332.67 | 293.69 | 117.30 | 3.31 | 0.0436 | 2.9317 | 12 9 W | 1994 FV | 15.5 | 940309 | 76.21 | 116.29 | 340.88 | 21.48 | 0.1448 | 1.9253 | 11 8 W | |
| 1993 TY ₂₉ | 14.5 | 930930 | 308.59 | 257.73 | 187.80 | 8.87 | 0.1430 | 2.4203 | 12 9 W | 1994 FW | 14.0 | 940309 | 309.30 | 309.82 | 308.18 | 12.14 | 0.1753 | 2.3323 | 11 6 W | |
| 1993 TE ₃₁ | 16.0 | 930930 | 352.48 | 219.67 | 169.47 | 3.97 | 0.1651 | 2.2979 | 12 9 W | 1994 FY | 13.5 | 940329 | 18.05 | 130.01 | 42.36 | 11.42 | 0.1238 | 2.3412 | 8 6 N | |
| 1993 TL ₃₁ | 14.5 | 930930 | 133.89 | 171.71 | 66.17 | 5.36 | 0.1280 | 2.2943 | 12 9 W | 1994 GC | 14.5 | 940329 | 267.50 | 166.42 | 107.16 | 3.07 | 0.0809 | 3.0110 | 8 0 W | |
| 1993 TN ₃₁ | 14.0 | 930930 | 298.08 | 45.40 | 48.65 | 9.17 | 0.1014 | 2.7662 | 12 9 W | 1994 GD | 11.5 | 940329 | 233.82 | 91.96 | 232.11 | 10.89 | 0.0792 | 3.1402 | 3 6 W | |
| 1993 TO ₃₁ | 14.5 | 930930 | 45.22 | 266.72 | 47.83 | 8.14 | 0.2003 | 2.3655 | 12 9 W | 1994 GE | 13.8 | 940418 | 17.73 | 116.73 | 69.19 | 7.14 | 0.0668 | 2.4183 | 14 0 N | |
| 1993 TS ₃₁ | 14.5 | 930930 | 344.07 | 250.56 | 150.63 | 4.01 | 0.1069 | 2.7655 | 12 9 W | 1994 GF | 13.8 | 940418 | 357.16 | 103.24 | 107.04 | 3.66 | 0.0565 | 2.1928 | 14 0 N | |
| 1993 TU ₃₁ | 13.0 | 930930 | 148.89 | 72.79 | 158.63 | 5.46 | 0.0635 | 3.2020 | 12 9 W | 1994 GH | 17.0 | 940329 | 274.38 | 139.08 | 163.51 | 5.74 | 0.2471 | 2.1496 | 7 0 M | |
| 1993 TX ₃₁ | 16.0 | 930930 | 354.81 | 246.68 | 139.84 | 3.26 | 0.1935 | 2.4101 | 12 9 W | 1994 GK | 24.0 | 940329 | 13.20 | 111.51 | 15.39 | 5.67 | 0.6057 | 1.9578 | 3 0 M | |
| 1993 TZ ₃₁ | 14.5 | 930930 | 103.07 | 215.57 | 50.34 | 8.55 | 0.1100 | 2.3136 | 12 9 W | 1994 GL | 24.0 | 940329 | 162.37 | 179.05 | 197.22 | 3.64 | 0.5023 | 0.6843 | 3 0 M | |
| 1993 TE ₃₂ | 15.5 | 930930 | 349.43 | 314.48 | 80.64 | 3.35 | 0.2139 | 2.4154 | 12 9 W | 1994 GN | 13.2 | 940329 | 286.20 | 203.81 | 71.91 | 5.56 | 0.1414 | 2.2711 | 18 6 N | |
| 1993 TG ₃₂ | 15.5 | 930930 | 41.70 | 206.81 | 112.50 | 3.25 | 0.2037 | 2.3979 | 12 9 W | 1994 GP | 12.4 | 940418 | 3.93 | 155.17 | 45.37 | 8.36 | 0.1651 | 2.7620 | 11 0 N | |
| 1993 TO ₃₂ | 13.0 | 930930 | 255.16 | 99.03 | 45.16 | 12.11 | 0.1543 | 3.0301 | 12 9 W | 1994 GR | 12.9 | 940418 | 335.27 | 139.12 | 104.23 | 5.36 | 0.1579 | 2.3102 | 6 5 N | |
| 1993 TT ₃₂ | 13.5 | 930930 | 3.82 | 279.68 | 99.40 | 4.13 | 0.0069 | 2.8879 | 12 9 W | 1994 GS | 13.0 | 940418 | 320.13 | 193.97 | 71.54 | 7.74 | 0.1681 | 2.1980 | 6 5 N | |
| 1993 TV ₃₂ | 16.0 | 930930 | 10.16 | 261.11 | 103.72 | 3.01 | 0.1532 | 2.2315 | 12 9 W | 1994 GT | 12.3 | 940418 | 12.16 | 121.77 | 69.27 | 3.66 | 0.1402 | 3.0389 | 8 7 N | |
| 1993 TK ₃₃ | 14.5 | 930930 | 7.19 | 301.18 | 71.21 | 4.96 | 0.1176 | 2.7120 | 12 9 W | 1994 GV | 27.5 | 940329 | 2.89 | 154.10 | 19.75 | 0.47 | 0.5195 | 2.0133 | 2 0 M | |
| 1993 TV ₃₃ | 14.0 | 930930 | 357.04 | 255.25 | 131.74 | 4.06 | 0.1135 | 3.1072 | 12 9 W | 1994 GX | 15.5 | 940309 | 258.43 | 100.46 | 175.73 | 22.11 | 0.0686 | 1.9380 | 23 8 W | |
| 1993 TY ₃₃ | 15.5 | 930930 | 320.76 | 264.46 | 170.58 | 4.99 | 0.1746 | 2.3874 | 12 9 W | 1994 GY | 17.1 | 940418 | 355.38 | 189.94 | 34.11 | 12.50 | 0.5340 | 2.6835 | 9 0 N | |
| 1993 TZ ₃₃ | 14.0 | 930930 | 327.89 | 7.66 | 51.22 | 10.29 | 0.0547 | 3.0609 | 12 9 W | 1994 GB ₁ | 13.8 | 940418 | 317.40 | 221.69 | 42.15 | 4.65 | 0.1669 | 2.1616 | 8 7 N | |
| 1993 TD ₃₄ | 14.0 | 930930 | 205.41 | 1.03 | 179.06 | 7.77 | 0.0363 | 2.6514 | 12 9 W | 1994 GC ₁ | 11.5 | 940418 | 330.90 | 157.08 | 81.19 | 2.62 | 0.0370 | 3.0626 | 8 7 E N | |
| 1993 TF ₃₄ | 15.5 | 930930 | 5.10 | 268.61 | 103.72 | 3.01 | 0.1415 | 2.1750 | 12 0 E W | 1994 GD ₂ | 15.5 | 940329 | 223.03 | 177.29 | 157.75 | 6.18 | 0.1339 | 2.9859 | 3 9 W | |
| 1993 TJ ₃₄ | 14.0 | 930930 | 262.56 | 346.69 | 151.70 | 4.59 | 0.1579 | 2.5966 | 12 0 W | 1994 GF ₂ | 15.5 | 940329 | 326.92 | 21.54 | 27.61 | 10.58 | 0.1555 | 2.7348 | 3 8 W | |
| 1993 TM ₃₄ | 14.5 | 930930 | 68.42 | 239.69 | 47.72 | 10.15 | 0.2252 | 2.3824 | 12 0 W | 1994 GR ₂ | 16.0 | 940329 | 247.71 | 209.12 | 110.10 | 3.14 | 0.1840 | 2.2221 | 5 9 W | |
| 1994 AV ₁ | 14.0 | 940108 | 338.08 | 207.82 | 302.16 | 6.01 | 0.1793 | 2.4051 | 33 0 W | 1994 GF ₃ | 16.0 | 940329 | 87.95 | 64.78 | 19.04 | 2.30 | 0.2227 | 2.4202 | 10 0 W | |
| 1994 BY | 14.0 | 940217 | 349.78 | 108.40 | 36.00 | 5.17 | 0.1094 | 2.2249 | 74 0 W | 1994 GM ₃ | 14.0 | 940329 | 299.02 | 236.42 | 29.35 | 1.50 | 0.0641 | 3.0624 | 10 9 W | |
| 1994 CP | 12.7 | 940217 | 326.59 | 39.58 | 136.90 | 2.38 | 0.1306 | 2.9257 | 10 0 E | 1994 GT ₃ | 15.0 | 940329 | 24.72 | 139.17 | 27.44 | 4.56 | 0.1275 | 3.1751 | 10 9 W | |
| 1994 CQ | 14.7 | 940217 | 5.40 | 166.96 | 321.99 | 1.68 | 0.1673 | 2.3552 | 10 0 E | 1994 GV ₃ | 14.0 | 940329 | 293.32 | 269.23 | 21.73 | 14.32 | 0.2294 | 2.6484 | 13 8 W | |
| 1994 CR | 13.6 | 940217 | 10.36 | 353.98 | 127.87 | 4.59 | 0.1000 | 2.6887 | 7 8 E E | 1994 GY ₃ | 16.5 | 940329 | 268.87 | 110.40 | 187.48 | 1.92 | 0.0721 | 2.6843 | 10 9 W | |
| 1994 CA ₈ | 13.0 | 940128 | 25.75 | 164.43 | 324.32 | 8.85 | 0.0696 | 2.8512 | 2 4 E W | 1994 GG ₄ | 16.0 | 940329 | 21.89 | 354.84 | 174.91 | 0.31 | 0.1148 | 3.1046 | 10 8 E W | |
| 1994 CD ₉ | 13.0 | 940217 | 44.72 | 58.78 | 6.27 | 23.81 | 0.2444 | 2.3339 | 5 6 E | 1994 GL ₄ | 14.5 | 940329 | 128.32 | 220.41 | 202.42 | 9.20 | 0.0668 | 3.1728 | 10 0 W | |
| 1994 DG | 11.5 | 940217 | 166.35 | 185.10 | 147.15 | 10.11 | 0.1592 | 2.7576 | 22 0 W | 1994 GP ₄ | 17.0 | 940329 | 25.87 | 306.79 | 215.56 | 1.46 | 0.1268 | 2.4363 | 10 9 W | |
| 1994 EB | 14.0 | 940309 | 37.04 | 321.26 | 172.63 | 6.57 | 0.0781 | 2.4690 | 35 0 W | 1994 GR ₄ | 16.5 | 940329 | 74.83 | 261.76 | 202.16 | 7.20 | 0.1557 | 2.6143 | 10 9 W | |
| 1994 EP | 13.4 | 940309 | 352.31 | 121.54 | 64.69 | 4.92 | 0.0970 | 2.4313 | 30 0 N | 1994 GT ₄ | 15.0 | 940329 | 208.19 | 339.20 | 17.37 | 11.70 | 0.1488 | 2.9816 | 13 9 E W | |
| 1994 EQ | 13.3 | 940309 | 299.13 | 231.49 | 22.74 | 13.00 | 0.1517 | 2.5784 | 30 0 N | 1994 GU ₄ | 15.5 | 940329 | 212.91 | 98.14 | 252.48 | 0.47 | 0.1121 | 2.6196 | 10 9 W | |
| 1994 ET | 14.0 | 940309 | 115.00 | 56.41 | 328.43 | 7.38 | 0.0940 | 2.2306 | 11 0 W | 1994 GW ₄ | 16.0 | 940329 | 243.13 | 305.15 | 15.62 | 6.63 | 0.0643 | 2.8762 | 13 9 W | |
| 1994 EX | 15.0 | 940309 | 204.42 | 288.48 | 39.19 | 2.53 | 0.0697 | 2.8655 | 29 0 W | 1994 GB ₅ | 15.0 | 940329 | 45.29 | 130.74 | 18.26 | 8.18 | 0.0394 | 2.6545 | 13 8 W | |
| 1994 EK ₁ | 13.2 | 940309 | 335.33 | 183.43 | 25.56 | 7.39 | 0.0612 | 2.3411 | 28 0 N | 1994 GC ₅ | 15.5 | 940329 | 96.80 | 58.04 | 16.16 | 3.06 | 0.2550 | 2.4034 | 13 9 W | |
| 1994 EL ₁ | 12.9 | 940329 | 102.34 | 317.26 | 112.88 | 4.93 | 0.1379 | 2.1891 | 28 0 N | 1994 GD ₅ | 17.0 | 940329 | 333.64 | 219.95 | 11.18 | 1.15 | 0.1407 | 2.3829 | 13 9 W | |
| 1994 EZ ₁ | 12.5 | 940309 | 342.83 | 162.37 | 47.69 | 9.96 | 0.0925 | 2.7870 | 26 0 W | 1994 GO ₅ | 16.0 | 940329 | 287.14 | 102.14 | 191.28 | 1.67 | 0.1893 | 2.8425 | 10 9 W | |
| 1994 EA ₂ | 15.0 | 940329 | 15.04 | 326.34 | 184.05 | 7.99 | 0.3011 | 2.2032 | 57 0 W | 1994 GQ ₅ | 15.0 | 940329 | 289.26 | 258.54 | 22.12 | 12.77 | 0.0999 | 2.6630 | 10 9 W | |
| 1994 EC ₂ | 12.6 | 940329 | 107.81 | 37.29 | 13.47 | 26.05 | 0.2576 | 2.2983 | 18 8 N | 1994 GD ₆ | 15.5 | 940329 | 317.94 | 223.47 | 18.44 | 7.96 | 0.0396 | 3.0473 | 10 9 E W | |
| 1994 ED ₂ | 12.7 | 940329 | 348.35 | 225.84 | 338.19 | 7.83 | 0.1759 | 2.7591 | 28 8 N | 1994 GH ₇ | 16.5 | 940329 | 292.62 | 254.72 | 24.25 | 9.73 | 0.1142 | 2.6182 | 8 9 W | |
| 1994 EF₂ | 16.5 | 940309 | 15.49 | 123.63 | 346.52 | 23.32 | 0.5170 | 2.2905 | 29 0 W | 1994 GS ₇ | 16.0 | 940329 | 113.51 | 219.39 | 203.13 | 34.30 | 0.2658 | 2.6716 | 7 9 W | |
| 1994 EH ₂ | 13.5 | 940329 | 275.85 | 195.88 | 97.46 | 4.74 | 0.1934 | 2.2485 | 24 0 N | 1994 GL ₈ | 16.5 | 940329 | 277.82 | 354.82 | 298.50 | 4.60 | 0.1882 | 2.3504 | 4 0 W | |
| 1994 EO ₂ | 13.5 | 940309 | 63.55 | 77.50 | 4.65 | 22.68 | 0.2806 | 2.2835 | 24 0 D W | 1994 HB | 16.5 | 940418 | 271.40 | 128.49 | 189.38 | 1.99 | 0.2125 | 2.1606 | 14 0 W | |
| 1994 ES₂ | 8.0 | 940329 | 0.00 | 3.38 | 154.75 | 1.06 | 0.0000 | 45.7500 | 32 7 E M | 1994 HC | 17.5 | 940418 | 302.65 | 270.23 | 31.86 | 6.02 | 0.3392 | 2.1407 | 12 0 M | |
| 1994 EL ₃ | 13.0 | 940309 | 239.44 | 147.17 | 166.04 | 13.05 | 0.0876 | 2.3924 | 25 0 W | 1994 HD | 13.5 | 940418 | 33.61 | 322.16 | 195.34 | 26.86 | 0.2314 | 2.6751 | 15 0 W | |
| 1994 EP ₃ | 12.5 | 940309 | 35.96 | 113.04 | 21.89 | 14.17 | 0.1728 | 2.6824 | 22 0 W | 1994 HV | 18.5 | 940418 | 345.60 | 129.04 | 94.98 | 0.41 | 0.1285 | 2.2845 | 4 9 E W | |
| 1994 ER ₃ | 13.1 | 940329 | 35.19 | 351.92 | 141.75 | 7.60 | 0.2522 | 2.5933 | 20 0 E | 1994 HX | 17.0 | 940418 | 213.31 | 183.17 | 176.94 | 1.19 | 0.1556 | 2.1881 | 4 9 E W | |
| 1994 ES ₃ | 12.4 | 940329 | 332.90 | 63.92 | 160.64 | 12.96 | 0.1163 | 2.6613 | 19 0 N | 1994 HZ | 16.0 | 940418 | 96.67 | 252.58 | 197.04 | 4.70 | 0.1714 | 2.5733 | 4 9 W | |
| 1994 EV₃ | 7.0 | 940329 | 0.00 | 178.92 | 19.55 | 1.61 | 0.0000 | 44.4951 | 33 0 E M | 1994 HA ₁ | 17.5 | 940418 | 70.35 | 283.77 | 200.34 | 7.18 | 0.0979 | 2.4039 | 4 9 E W | |
| 1994 EL ₇ | 14.0 | 940309 | 11.17 | 134.19 | 31.34 | 2.95 | 0.1828 | | | | | | | | | | | | | |

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(847) Agnia Obs. 98 *M* 310.14381 ω 129.54915
H 10.29 *G* 0.15 Opp. 23 *n* 0.21237459 Ω 271.45280
 rms res. 0^{''}.86 (M-C) 1908–1992 *e* 0.0951515 *i* 2.47697

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(1522) Kokkola Obs. 56 *M* 84.66547 ω 30.53707
H 12.43 *G* 0.15 Opp. 14 *n* 0.27046961 Ω 60.76841
 rms res. 1^{''}.00 (M-C) 1938–1994 *e* 0.0715324 *i* 5.35259

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(1963) Bezovec Obs. 39 *M* 108.92279 ω 355.85014
H 10.91 *G* 0.15 Opp. 6 *n* 0.26119172 Ω 107.10524
 rms res. 0^{''}.72 (M-C) 1952–1994 *e* 0.2089832 *i* 25.01050

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2113) Ehrdni Obs. 28 *M* 230.45389 ω 347.69111
H 13.17 *G* 0.15 Opp. 7 *n* 0.25314137 Ω 23.53904
 rms res. 0^{''}.92 (M-C) 1958–1994 *e* 0.0962412 *i* 6.45066

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2241) Alcahous Obs. 28 *M* 320.49057 ω 291.01156
H 8.64 *G* 0.15 Opp. 10 *n* 0.08242725 Ω 267.98284
 rms res. 0^{''}.77 (M-C) 1968–1994 *e* 0.0673591 *i* 16.59182

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2251) Tikhov Obs. 36 *M* 290.35367 ω 183.38939
H 11.4 *G* 0.15 Opp. 11 *n* 0.22087549 Ω 193.37623
 rms res. 0^{''}.83 (M-C) 1950–1990 *e* 0.1477704 *i* 7.43794

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2258) Viipuri Obs. 48 *M* 58.59122 ω 171.94316
H 11.4 *G* 0.15 Opp. 15 *n* 0.22286108 Ω 307.97925
 rms res. 0^{''}.94 (M-C) 1928–1994 *e* 0.0783862 *i* 1.48498

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2316) Jo-Ann Obs. 45 *M* 261.34526 ω 146.89329
H 12.7 *G* 0.15 Opp. 11 *n* 0.25665640 Ω 148.92109
 rms res. 0^{''}.82 (M-C) 1933–1994 *e* 0.1638342 *i* 1.81361

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2465) Wilson Obs. 32 *M* 337.28399 ω 3.23270
H 12.0 *G* 0.15 Opp. 11 *n* 0.21576928 Ω 294.41467
 rms res. 0^{''}.87 (M-C) 1949–1993 *e* 0.0737718 *i* 3.85231

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2574) Ladoga Obs. 30 *M* 202.48404 ω 306.97652
H 11.3 *G* 0.15 Opp. 11 *n* 0.20494733 Ω 22.58726
 rms res. 0^{''}.99 (M-C) 1949–1994 *e* 0.0732115 *i* 2.12056

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2604) Marshak Obs. 31 *M* 13.25909 ω 134.69697
H 12.9 *G* 0.15 Opp. 6 *n* 0.26707153 Ω 123.20775
 rms res. 0^{''}.76 (M-C) 1972–1994 *e* 0.2320245 *i* 14.85168

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2886) Tinkaping Obs. 49 *M* 332.08011 ω 331.79925
H 13.2 *G* 0.15 Opp. 9 *n* 0.27075230 Ω 107.79048
 rms res. 0^{''}.73 (M-C) 1954–1992 *e* 0.1556008 *i* 1.30747

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2900) Luboš Perek Obs. 36 *M* 288.52369 ω 284.78731
H 12.3 *G* 0.15 Opp. 7 *n* 0.18728940 Ω 18.19275
 rms res. 0^{''}.75 (M-C) 1972–1994 *e* 0.1043671 *i* 10.16118

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2918) Salazar Obs. 25 *M* 222.28259 ω 168.68156
H 11.9 *G* 0.15 Opp. 8 *n* 0.17509411 Ω 135.87140
 rms res. 0^{''}.82 (M-C) 1952–1994 *e* 0.1602959 *i* 2.09033

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2965) Surikov Obs. 13 *M* 66.24435 ω 71.64884
H 13.6 *G* 0.15 Opp. 5 *n* 0.26652840 Ω 127.23151
 rms res. 0^{''}.67 (M-C) 1975–1994 *e* 0.2188519 *i* 24.26302

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(3129) Bonestell Obs. 29 *M* 217.08500 ω 82.30977
H 12.4 *G* 0.15 Opp. 8 *n* 0.22215586 Ω 121.23222
 rms res. 0^{''}.81 (M-C) 1943–1992 *e* 0.2137425 *i* 6.91818

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(3202) Graff Obs. 60 *M* 312.88029 ω 272.06003
H 10.3 *G* 0.15 Opp. 8 *n* 0.12538925 Ω 205.59991
 rms res. 0^{''}.92 (M-C) 1908–1992 *e* 0.1021920 *i* 11.03831

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(3303) 1967 UN Obs. 43 *M* 256.60757 ω 276.98908
H 11.6 *G* 0.15 Opp. 10 *n* 0.19965768 Ω 52.51662
 rms res. 0^{''}.91 (M-C) 1954–1994 *e* 0.0717599 *i* 2.77046

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(3384) Daliya Obs. 26 *M* 121.78233 ω 262.11836
H 13.6 *G* 0.15 Opp. 8 *n* 0.26766175 Ω 139.77825
 rms res. 0^{''}.87 (M-C) 1941–1994 *e* 0.2102489 *i* 2.75665

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(3398) 1978 PC Obs. 37 *M* 120.52191 ω 42.34827
H 13.9 *G* 0.15 Opp. 5 *n* 0.28478721 Ω 64.50777
 rms res. 0^{''}.67 (M-C) 1978–1994 *e* 0.2371191 *i* 24.18349

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(3555) Miyasaka Obs. 21 *M* 344.62917 ω 309.57105
H 12.6 *G* 0.15 Opp. 5 *n* 0.21781134 Ω 26.84936
 rms res. 0^{''}.99 (M-C) 1931–1993 *e* 0.2340142 *i* 9.46921

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(3613) 1982 VJ₁₁ Obs. 16 *M* 352.12438 ω 80.19266
H 12.6 *G* 0.15 Opp. 6 *n* 0.27021985 Ω 72.58280
 rms res. 0^{''}.54 (M-C) 1949–1993 *e* 0.0756024 *i* 7.42113

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Williams
(3636) 1982 UJ₂ Obs. 36 *M* 103.17319 ω 93.39237
H 13.9 *G* 0.15 Opp. 7 *n* 0.28675090 Ω 27.28476
 rms res. 0^h.80 (M-C) 1973–1994 *e* 0.1759752 *i* 4.10707

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Bowell
(3744) Horn-d'Arturo Obs. 48 *M* 188.91758 ω 184.79584
H 12.7 *G* 0.15 Opp. 6 *n* 0.23082948 Ω 228.41231
 rms res. 0^h.84 (M-C) 1955–1993 *e* 0.2783242 *i* 3.76046

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Bowell
(3785) Kitami Obs. 37 *M* 159.14378 ω 234.01749
H 12.1 *G* 0.15 Opp. 6 *n* 0.17076663 Ω 152.00287
 rms res. 0^h.80 (M-C) 1979–1994 *e* 0.1874346 *i* 1.91114

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Bowell
(3839) Bogaevskij Obs. 22 *M* 31.86421 ω 36.74443
H 12.9 *G* 0.15 Opp. 8 *n* 0.25697219 Ω 241.11959
 rms res. 0^h.86 (M-C) 1971–1993 *e* 0.1826285 *i* 2.68002

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Bowell
(4116) Elachi Obs. 24 *M* 97.83095 ω 322.50860
H 13.0 *G* 0.15 Opp. 6 *n* 0.38467641 Ω 185.22679
 rms res. 0^h.71 (M-C) 1977–1994 *e* 0.0807678 *i* 24.10707

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Bowell
(4220) Flood Obs. 33 *M* 184.14368 ω 231.89817
H 13.0 *G* 0.15 Opp. 6 *n* 0.21021470 Ω 221.65993
 rms res. 1^h.00 (M-C) 1953–1990 *e* 0.1956000 *i* 6.99926

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Bowell
(4299) 1952 QX Obs. 24 *M* 155.97754 ω 272.14701
H 13.3 *G* 0.15 Opp. 4 *n* 0.29341393 Ω 104.62275
 rms res. 0^h.78 (M-C) 1952–1994 *e* 0.1721173 *i* 5.08348

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Bowell
(4387) Tanaka Obs. 35 *M* 39.32108 ω 24.55079
H 13.0 *G* 0.15 Opp. 7 *n* 0.25886543 Ω 121.15175
 rms res. 0^h.76 (M-C) 1954–1994 *e* 0.0138724 *i* 4.26470

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Bowell
(4496) Kamimachi Obs. 35 *M* 29.15967 ω 323.56260
H 12.7 *G* 0.15 Opp. 5 *n* 0.20895701 Ω 163.42621
 rms res. 0^h.90 (M-C) 1955–1992 *e* 0.0544508 *i* 4.78438

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Bowell
(4635) Rimbaud Obs. 25 *M* 220.03247 ω 134.77612
H 12.5 *G* 0.15 Opp. 6 *n* 0.25361616 Ω 24.85281
 rms res. 0^h.78 (M-C) 1965–1992 *e* 0.1469055 *i* 5.32628

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Bowell
(4818) Elgar Obs. 71 *M* 314.85461 ω 82.48374
H 13.6 *G* 0.15 Opp. 8 *n* 0.28918504 Ω 169.28526
 rms res. 0^h.67 (M-V) 1933–1994 *e* 0.1297453 *i* 2.53889

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Bowell
(4819) 1985 KC Obs. 48 *M* 255.27328 ω 302.64125
H 14.3 *G* 0.15 Opp. 6 *n* 0.30145506 Ω 344.31068
 rms res. 0^h.78 (M-C) 1953–1991 *e* 0.0307961 *i* 5.80885

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Bowell
(4853) 1979 ML Obs. 30 *M* 274.15235 ω 135.70583
H 13.0 *G* 0.15 Opp. 6 *n* 0.24416065 Ω 146.20266
 rms res. 0^h.75 (M-C) 1971–1994 *e* 0.2540549 *i* 8.30962

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Bowell
(4890) Shikanosima Obs. 26 *M* 331.62336 ω 185.01785
H 13.6 *G* 0.15 Opp. 5 *n* 0.30105478 Ω 100.43633
 rms res. 0^h.60 (M-C) 1982–1994 *e* 0.1497389 *i* 3.65496

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Bowell
(5014) 1974 ST Obs. 35 *M* 234.40568 ω 191.92239
H 12.2 *G* 0.15 Opp. 7 *n* 0.17503366 Ω 105.11534
 rms res. 0^h.72 (M-C) 1974–1994 *e* 0.2299169 *i* 2.36063

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Bowell
(5019) 1979 MS₆ Obs. 32 *M* 142.18744 ω 271.16120
H 13.0 *G* 0.15 Opp. 6 *n* 0.26104749 Ω 244.15169
 rms res. 0^h.61 (M-V) 1953–1993 *e* 0.0763134 *i* 5.55853

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Bowell
(5061) 1988 DJ Obs. 38 *M* 130.28661 ω 215.73856
H 12.4 *G* 0.15 Opp. 7 *n* 0.18308905 Ω 241.11603
 rms res. 0^h.79 (M-C) 1953–1991 *e* 0.0597392 *i* 8.72207

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Bowell
(5136) 1990 UG₂ Obs. 23 *M* 262.10726 ω 291.06769
H 11.9 *G* 0.15 Opp. 5 *n* 0.18767885 Ω 109.48082
 rms res. 0^h.82 (M-C) 1954–1992 *e* 0.1099113 *i* 11.16583

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Bowell
(5154) 1969 TL₁ Obs. 32 *M* 299.01330 ω 222.34874
H 11.9 *G* 0.15 Opp. 6 *n* 0.18239678 Ω 72.79130
 rms res. 0^h.80 (M-C) 1969–1994 *e* 0.1130236 *i* 2.88464

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Bowell
(5233) 1988 RL₁₀ Obs. 25 *M* 334.12455 ω 43.06733
H 12.2 *G* 0.15 Opp. 6 *n* 0.08380352 Ω 142.50998
 rms res. 0^h.78 (M-C) 1982–1994 *e* 0.0454005 *i* 3.37296

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Bowell
(5272) Dickinson Obs. 23 *M* 334.68928 ω 197.65899
H 14.4 *G* 0.15 Opp. 5 *n* 0.29906784 Ω 155.37373
 rms res. 0^h.88 (M-C) 1954–1991 *e* 0.1922418 *i* 4.44254

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Bowell
(5350) Epetersen Obs. 26 *M* 164.06019 ω 327.78816
H 13.1 *G* 0.15 Opp. 7 *n* 0.29527703 Ω 308.58925
 rms res. 0^h.87 (M-V) 1933–1992 *e* 0.1296816 *i* 2.54300

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(5428) 1987 RA₁ Obs. 37 *M* 195.99512 ω 17.28991
H 12.5 *G* 0.15 Opp. 7 *n* 0.19930937 Ω 270.71643
rms res. 0".96 (M-C) 1954-1994 *e* 0.0392551 *i* 0.93702

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(5511) 1988 TH₁ Obs. 32 *M* 250.83373 ω 117.63029
H 9.5 *G* 0.15 Opp. 7 *n* 0.08353490 Ω 172.96319
rms res. 0".72 (M-C) 1951-1993 *e* 0.1135905 *i* 11.19239

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(5638) 1988 TA₃ Obs. 39 *M* 281.16884 ω 90.36084
H 9.8 *G* 0.15 Opp. 6 *n* 0.08098185 Ω 156.05506
rms res. 0".78 (M-C) 1988-1994 *e* 0.1073734 *i* 10.87991

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(5652) 1992 HS₃ Obs. 23 *M* 267.34319 ω 107.01933
H 9.9 *G* 0.15 Opp. 5 *n* 0.08340921 Ω 281.74472
rms res. 0".95 (M-C) 1955-1993 *e* 0.0762042 *i* 1.90041

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(5715) 1982 SE₁ Obs. 25 *M* 28.19793 ω 94.43307
H 12.1 *G* 0.15 Opp. 5 *n* 0.17253086 Ω 284.06725
rms res. 0".77 (M-C) 1953-1993 *e* 0.1640425 *i* 3.99413

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(5743) 1990 UW Obs. 34 *M* 16.64359 ω 107.18045
H 13.1 *G* 0.15 Opp. 7 *n* 0.29483048 Ω 334.14596
rms res. 0".67 (M-C) 1953-1993 *e* 0.1016951 *i* 3.05273

(5926)* 1929 PB = 1929 PD = 1969 VB₁ = 1976 SG₁

Discovered 1929 Aug. 4 by M. Wolf at Heidelberg.

Id. M. Wolf (d, *BZ* 11, 63), S. Nakano (*MPC* 9205)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Nakano
M 359.18206 (2000.0) **P** **Q**
n 0.27326545 ω 183.61025 +0.95747232 +0.28752016
a 2.3518678 Ω 159.63048 -0.26295509 +0.90390029
e 0.2353937 *i* 3.96374 -0.11874921 +0.31669611
P 3.61 *H* 14.0 *G* 0.15

Residuals in seconds of arc (or two decimals in units of degrees)

290804 024 (0.03- 0.03-)X 691113 095 0.6- 0.2- 830716 808 0.3+ 1.0+
290806 024 (0.5+ 4.6+) 691115 095 (3.6+ 0.3-) 930319 809 0.6- 0.3-
290810 024 (0.05+ 0.02+)X 760828 675 1.2+ 0.8+ 930320 809 0.1+ 0.7-
290812 024 (6.8+ 2.1-) 760924 095 0.9- 0.5- 930323 809 1.5+ 0.9+
290813 024 (0.04+ 0.00-)X 760925 095 0.6+ 0.6+ 930324 691 0.4+ 0.4-
290814 024 0.1+ 0.1- 760928 095 (1.5- 5.3-) 930324 691 0.6- 0.3-
290827 024 (53.8+ 80.5+)X 830714 808 0.2- 0.8- 930324 691 0.5- 0.3-
290902 024 0.5+ 2.1- 830714 808 0.6- 0.2+ 930416 413 0.2+ 0.5+
691111 095 0.4- 0.7+ 830716 808 0.7- 1.2+

(5927)* 1938 HA = 1989 OE

Discovered 1938 Apr. 19 by W. Dieckvoss at Bergedorf.

Id. T. Kobayashi (*MPC* 15873)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Williams
M 330.27055 (2000.0) **P** **Q**
n 0.17673556 ω 219.05555 -0.19712718 +0.97237958
a 3.1447546 Ω 40.02652 -0.84373502 -0.10335123
e 0.2120183 *i* 11.20500 -0.49925153 -0.20927607
P 5.58 *H* 11.7 *G* 0.15

Residuals in seconds of arc

380419 029 0.8+ 2.0+ 380501 029 0.5+ 1.3- 890725 413 0.1+ 1.2-
380419 029 0.3+ 1.8+ 380501 029 0.6+ 0.9- 890802 413 (17.3- 2.7+)
380420 029 0.7+ 1.0+ 380502 029 1.0+ 0.2- 890802 413 (18.9- 3.3+)
380420 029 1.0+ 1.0+ 380522 029 2.0- 0.1- 940312 801 0.7+ 0.4-
380421 029 0.4+ 0.9+ 380522 029 2.4- 0.2- 940312 801 0.4- 0.2+
380423 029 0.4+ 0.4- 550414 675 0.5- 0.7- 940321 801 0.4+ 0.4+
380424 029 1.2+ 0.2+ 550414 675 1.3- 0.0 940321 801 0.0 0.4-
380426 029 (5.1- 0.2-) 780504 413 0.2- 0.8+ 940408 801 0.6- 0.3-
380427 029 1.1+ 0.8- 780504 413 (0.3+ 3.1+) 940408 801 0.2+ 0.5-
380427 029 0.5- 0.3- 840817 413 0.5- 0.3+ 940415 801 0.2- 0.8-
380428 029 0.7- 0.3- 890721 413 0.6- 0.2-

(5928)* 1973 SK₁ = 1989 ST₅

Discovered 1973 Sept. 19 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Id. C. M. Bardwell (*MPC* 15698)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Bardwell
M 307.51831 (2000.0) **P** **Q**
n 0.12382842 ω 111.26573 +0.11141001 +0.99289421
a 3.9864761 Ω 164.94879 -0.96101042 +0.11835800
e 0.1263189 *i* 9.26739 -0.25307467 -0.01234780
P 7.96 *H* 11.4 *G* 0.15

Residuals in seconds of arc

730919 675 0.4- 0.4+ 800805 675 0.0 1.4- 901123 372 0.5+ 1.1+
730919 675 0.3+ 1.4- 890930 675 0.5+ 1.1- 930123 809 0.1+ 1.3-
730920 675 0.2- 0.6+ 890930 675 0.8+ 1.7- 930128 809 (2.7+ 1.4-)
730924 675 0.2+ 1.0- 891101 675 0.4+ 0.9- 930128 809 0.3+ 1.4-
730924 675 0.7- 1.4+ 891102 675 1.7+ 0.6+ 940312 801 0.2- 0.6-
730925 675 0.6- 1.4- 891105 675 0.6- 1.0- 940312 801 0.5- 0.7-
730925 675 0.2- 0.7+ 901115 809 0.7- 0.1- 940321 801 0.4+ 0.2-
730929 675 0.0 1.2- 901115 809 0.9- 1.4- 940321 801 0.4+ 0.6-
730929 675 0.5+ 1.3+ 901115 809 (2.4- 1.4-) 940408 801 0.6+ 0.6-
730930 675 0.3- 0.1- 901117 809 0.5- 1.0- 940408 801 0.7+ 0.8-
730930 675 1.3+ 0.6+ 901117 809 0.2- 0.7- 940410 691 1.1- 0.3-
731004 675 1.7+ 0.2- 901117 809 (2.6- 1.8-) 940410 691 1.1- 0.0
731004 675 0.9- 0.5- 901121 809 0.6+ 0.5+ 940410 691 1.1- 0.7-
731005 675 0.5+ 0.9- 901121 809 1.1+ 0.6+ 940415 801 0.2+ 0.5-
731005 675 0.3- 0.6+ 901121 809 1.9- 0.3+ 940415 801 0.0 0.5-
800803 675 0.4- 1.3- 901123 372 0.3- 0.4+

(5929)* 1974 XT = 1988 PB

Discovered 1974 Dec. 14 at the Felix Aguilar Observatory, El Leoncito.

Id. C. M. Bardwell (*MPC* 13462)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| <i>M</i> | | (2000.0) | | P | | Q | |
|----------|------------|----------|-----------|-------------|-------------|----------|--|
| <i>n</i> | 0.27195651 | ω | 277.60284 | +0.65298547 | -0.68938428 | | |
| <i>a</i> | 2.3594082 | Ω | 126.65036 | +0.75117892 | +0.64235132 | | |
| <i>e</i> | 0.3024561 | <i>i</i> | 23.01101 | -0.09664467 | +0.33486431 | | |
| <i>P</i> | 3.62 | <i>H</i> | 13.6 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------|-------|------------|------|------|
| 741214 808 | 1.2+ | 1.1- | 750113 808 | 0.3- | 0.2- | 930126 801 | 0.0 | 0.5- |
| 741215 808 | 0.3- | 0.7+ | 750119 808 | 0.2- | 0.7+ | 930126 801 | 0.1- | 0.7- |
| 741215 808 | 0.6+ | 0.2- | 750119 808 | 0.7- | 0.2+ | 940306 658 | 0.4- | 0.1- |
| 741218 808 | 0.1- | 0.2+ | 880807 675 | (0.8+ | 4.4+) | 940306 658 | 0.3- | 0.0 |
| 741218 808 | 0.4- | 0.7- | 880809 675 | 0.8+ | 1.2- | 940306 658 | 1.0- | 0.5- |
| 741220 808 | 0.0 | 0.4+ | 880815 675 | 1.8- | 0.9+ | 940307 658 | 0.2- | 0.1+ |
| 741220 808 | 0.1+ | 0.7- | 880817 675 | 2.1- | 0.4- | 940307 658 | 0.5- | 0.6+ |
| 750108 808 | 0.7+ | 0.7+ | 880905 675 | 1.8+ | 1.0- | 940307 658 | 0.5- | 0.1- |
| 750108 808 | 0.2+ | 0.8- | 880907 675 | 1.4+ | 1.0- | 940420 658 | 0.3+ | 0.9- |
| 750110 808 | 0.1- | 0.5+ | 930120 801 | 0.2+ | 0.0 | 940420 658 | 0.7+ | 0.8- |
| 750113 808 | 0.3- | 1.1- | 930120 801 | 0.0 | 0.3+ | 940420 658 | 0.7+ | 0.7- |

(5930)* 1975 VW₂ = 1978 PY = 1991 HJ

Discovered 1975 Nov. 2 by T. M. Smirnova at the Crimean Astrophysical

Observatory.

Id. S. Nakano (*MPC* 18281)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| <i>M</i> | | (2000.0) | | P | | Q | |
|----------|------------|----------|-----------|-------------|-------------|----------|--|
| <i>n</i> | 0.29206382 | ω | 148.16775 | +0.33341553 | +0.94131415 | | |
| <i>a</i> | 2.2498361 | Ω | 141.23766 | -0.88163963 | +0.33105523 | | |
| <i>e</i> | 0.0908872 | <i>i</i> | 4.81491 | -0.33398449 | +0.06580349 | | |
| <i>P</i> | 3.37 | <i>H</i> | 13.5 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 500321 675 | 0.1- | 0.6+ | 910416 402 | 0.2- | 1.7+ | 921027 894 | 0.6- | 0.6- |
| 500321 675 | 0.8- | 0.1- | 910419 402 | 0.9- | 1.8- | 940316 801 | 0.4+ | 0.2- |
| 751029 033 | 0.5+ | 0.1- | 910419 402 | 1.5- | 1.2- | 940316 801 | 0.1- | 0.4+ |
| 751030 033 | 0.2+ | 0.0 | 910421 402 | 1.1- | 0.3- | 940409 801 | 0.2- | 0.3- |
| 751031 033 | 0.0 | 0.1- | 910421 402 | 0.3- | 0.6+ | 940415 801 | 0.7+ | 0.1+ |
| 751102 095 | 1.5+ | 0.7+ | 910505 402 | 1.0+ | 1.0- | 940415 801 | 0.7+ | 0.0 |
| 780808 095 | 0.3- | 0.5+ | 910505 402 | 1.1+ | 0.9- | | | |
| 910416 402 | 1.0+ | 1.6+ | 921027 894 | 0.9- | 1.0- | | | |

(5931)* 1976 GK₃ = 1990 RR₄

Discovered 1976 Apr. 1 by N. S. Chernykh at the Crimean Astrophysical

Observatory.

Id. H. Kaneda (*MPC* 17815)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| <i>M</i> | | (2000.0) | | P | | Q | |
|----------|------------|----------|-----------|-------------|-------------|----------|--|
| <i>n</i> | 0.17302846 | ω | 267.27595 | -0.21831198 | -0.97258611 | | |
| <i>a</i> | 3.1895129 | Ω | 196.03116 | +0.97022858 | -0.20749552 | | |
| <i>e</i> | 0.1864744 | <i>i</i> | 16.86107 | +0.10486364 | -0.10498506 | | |
| <i>P</i> | 5.70 | <i>H</i> | 11.4 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 760401 095 | 0.5- | 0.1+ | 900919 675 | 0.4- | 0.1- | 930221 801 | 1.1- | 0.2- |
| 760402 095 | (0.9- | 4.7-) | 900920 675 | 0.1- | 0.2+ | 930225 801 | 0.4- | 0.5- |
| 760404 095 | 0.3+ | 1.9- | 900920 675 | 1.2+ | 1.5- | 930225 801 | 0.7- | 0.5+ |

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 760423 095 | (0.1- | 2.9-) | 911009 801 | 0.6- | 0.1- | 930321 809 | 0.4+ | 0.2+ |
| 900915 675 | 0.1+ | 0.8- | 911009 801 | 0.5- | 0.8- | 930322 809 | 1.0+ | 0.0 |
| 900915 675 | 0.3+ | 0.6- | 911103 801 | 0.1- | 0.3- | 930326 809 | 0.2- | 0.3+ |
| 900917 675 | (1.4+ | 2.6-) | 911103 801 | 0.3- | 0.0 | 930327 809 | 0.3+ | 0.1+ |
| 900917 675 | 0.6- | 0.2- | 911106 801 | 0.6+ | 0.2- | 930418 413 | 0.4+ | 1.7- |
| 900919 675 | 0.2- | 0.6+ | 911106 801 | 0.7+ | 0.3- | | | |

(5932)* 1976 GO₃ = 1981 NX = 1984 CF₁

Discovered 1976 Apr. 1 by N. S. Chernykh at the Crimean Astrophysical

Observatory.

Id. H. Oishi (*MPC* 12122)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| <i>M</i> | | (2000.0) | | P | | Q | |
|----------|------------|----------|-----------|-------------|-------------|----------|--|
| <i>n</i> | 0.23037520 | ω | 90.37476 | -0.91716248 | +0.39698157 | | |
| <i>a</i> | 2.6353941 | Ω | 113.01513 | -0.37905579 | -0.84199072 | | |
| <i>e</i> | 0.0937993 | <i>i</i> | 2.17362 | -0.12300281 | -0.36531804 | | |
| <i>P</i> | 4.28 | <i>H</i> | 13.4 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 760401 095 | 1.2- | 1.0+ | 900820 809 | 1.5+ | 2.0+ | 911229 691 | 0.6- | 0.2+ |
| 760402 095 | (1.7- | 4.6-) | 900820 809 | 1.2+ | 1.7+ | 911229 691 | 0.3- | 0.1- |
| 760404 095 | 0.4- | 2.0- | 900820 809 | 1.8+ | 0.6+ | 930319 809 | 0.0 | 0.4+ |
| 760423 095 | 0.9- | 2.0- | 900823 675 | 1.2- | 0.5- | 930320 809 | 0.2+ | 0.6+ |
| 781130 675 | 0.8+ | 0.3- | 900823 675 | (0.5- | 2.7-) | 930320 801 | 0.2+ | 0.6- |
| 781201 675 | 0.9+ | 0.4- | 900826 809 | 1.1- | 1.6- | 930320 801 | 0.5- | 0.3+ |
| 810702 805 | 0.9+ | 0.5+ | 900826 809 | 0.8- | 1.7- | 930324 809 | 1.0+ | 1.0+ |
| 810702 805 | 0.1- | 1.3+ | 900826 809 | 1.1- | 2.0- | 930327 801 | 0.2+ | 0.0 |
| 840204 688 | (3.5+ | 1.9-) | 900827 675 | (0.1- | 4.0-) | 930327 801 | 0.2+ | 0.0 |
| 840204 688 | (4.9+ | 0.9+) | 900827 675 | 0.8- | 2.2- | 930419 801 | 0.2- | 0.3- |
| 900816 809 | (3.7+ | 1.4+) | 900913 675 | 2.0- | 1.2- | 930419 801 | 0.4+ | 0.6- |
| 900816 809 | 1.9+ | 2.2+ | 900913 675 | 0.8- | 0.9- | | | |
| 900816 809 | 1.4+ | 0.9+ | 911229 691 | 0.2- | 0.2- | | | |

(5933)* 1976 QN = 1988 FC₃

Discovered 1976 Aug. 26 by N. S. Chernykh at the Crimean Astrophysical

Observatory.

Id. T. Kobayashi (*MPC* 14471)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| <i>M</i> | | (2000.0) | | P | | Q | |
|----------|------------|----------|-----------|-------------|-------------|----------|--|
| <i>n</i> | 0.31134924 | ω | 284.97330 | +0.46228233 | +0.88673260 | | |
| <i>a</i> | 2.1559442 | Ω | 12.56123 | -0.81253302 | +0.42386148 | | |
| <i>e</i> | 0.1471169 | <i>i</i> | 0.15283 | -0.35508469 | +0.18451758 | | |
| <i>P</i> | 3.17 | <i>H</i> | 14.1 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|-------|-------|
| 730920 675 | 1.1+ | 0.1- | 880320 809 | 1.0- | 0.2- | 910315 809 | 0.1+ | 0.8- |
| 730924 675 | 0.3- | 0.6- | 880320 809 | 1.5- | 0.8+ | 910315 809 | 0.3+ | 0.7- |
| 730924 675 | 0.5+ | 0.1- | 880325 809 | 0.2- | 0.1- | 921001 691 | (4.1- | 0.8+) |
| 730929 675 | 0.5- | 0.8- | 880325 809 | 1.0- | 0.2+ | 921001 691 | (4.1- | 0.8+) |
| 730929 675 | 0.1- | 1.1+ | 880326 809 | 0.5+ | 1.0- | 921001 691 | 1.6- | 0.6+ |
| 730930 675 | 0.7+ | 1.4- | 880326 809 | 0.2- | 0.3+ | 921024 801 | 0.2- | 0.7+ |
| 730930 675 | 0.6+ | 0.8- | 880420 413 | 0.2+ | 0.3+ | 921024 801 | 0.4+ | 0.6+ |
| 731004 675 | 0.1- | 0.2- | 880420 413 | 0.7+ | 0.1- | 921028 801 | 0.1- | 0.6+ |
| 731004 675 | 0.4- | 0.1+ | 910213 675 | 0.4- | 0.0 | 921028 801 | 0.2- | 0.7+ |
| 731005 675 | 0.9- | 1.6- | 910213 675 | 0.7+ | 1.6- | 940212 675 | 0.5- | 1.1+ |

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 731005 675 | 0.5+ | 1.6- | 910310 809 | 0.6- | 0.5- | 940212 675 | 0.5- | 0.2- |
| 760826 095 | 0.4+ | 1.1+ | 910310 809 | 0.1+ | 0.6- | 940215 675 | 0.3- | 1.4- |
| 760827 675 | 0.5- | 0.5- | 910310 809 | 0.5+ | 0.4- | 940310 104 | 0.5- | 0.8+ |
| 760828 675 | 1.6+ | 1.6- | 910312 809 | 0.9+ | 1.0- | 940310 104 | 0.1- | 0.2+ |
| 760830 675 | 1.4+ | 2.5- | 910312 809 | 1.1+ | 1.1- | 940310 104 | 0.1- | 0.4- |
| 880319 809 | 0.9- | 0.4+ | 910312 809 | 1.3+ | 1.1- | | | |
| 880319 809 | 1.1- | 0.3+ | 910315 809 | 0.4- | 1.0- | | | |

(5934)* 1976 SJ = 1987 RJ₁ = 1987 WM₃

Discovered 1976 Sept. 20 by C.-I. Lagerkvist and H. Rickman at Kvistaberg.
Id. T. Kobayashi (*MPC* 12948), S. Nakano (d, *MPC* 13584)

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | Nakano | | |
|---|------------|--------------------|---------------|-------------|--|
| <i>M</i> | (2000.0) | | P | Q | |
| <i>n</i> | 0.26759534 | ω 208.11016 | +0.93613512 | -0.35160084 | |
| <i>a</i> | 2.3849742 | Ω 172.46935 | +0.32970508 | +0.87241886 | |
| <i>e</i> | 0.2154230 | <i>i</i> 2.30927 | +0.12225218 | +0.33950285 | |
| <i>P</i> | 3.68 | <i>H</i> 13.2 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|--------|-------|--------------|------|------|------------|------|------|
| 760920 049 | 0.1- | 0.1+ | 870918 809 | 0.4+ | 0.1- | 871001 809 | 0.5- | 0.0 |
| 760920 049 | 2.3+ | 0.4+ | Y 870918 809 | 0.2+ | 0.0 | 871001 809 | 0.4- | 0.1- |
| 760920 049 | 0.4- | 0.8- | 870918 809 | 0.4+ | 0.2+ | 871001 809 | 0.1- | 0.2- |
| 760920 049 | 0.6- | 0.1+ | 870919 809 | 0.5+ | 0.6+ | 871002 809 | 0.5- | 0.1+ |
| 760925 095 | 2.1- | 0.3+ | 870919 809 | 0.7+ | 0.4+ | 871002 809 | 0.4- | 0.0 |
| 760928 095 | 1.6+ | 0.7- | 870919 809 | 0.7+ | 0.2+ | 871002 809 | 0.3- | 0.2+ |
| 760929 049 | 0.2+ | 0.7- | 870923 809 | 0.1+ | 0.2+ | 871122 675 | 0.1+ | 1.9- |
| 760929 049 | 0.7- | 0.6- | 870923 809 | 0.0 | 0.3+ | 871123 675 | 0.0 | 2.0- |
| 760930 049 | 0.1+ | 1.0+ | 870923 809 | 0.1+ | 0.3+ | 911009 801 | 0.1+ | 0.5+ |
| 760930 049 | (21.0- | 9.8+) | 870925 095 | 0.7- | 0.1+ | 911009 801 | 0.2+ | 0.5+ |
| 870913 809 | 0.6- | 0.3+ | 870927 809 | 0.2- | 0.2- | 911011 801 | 0.1- | 0.4+ |
| 870913 809 | 0.7- | 0.8+ | 870927 809 | 0.1- | 0.2- | 911011 801 | 0.1- | 0.7+ |
| 870913 809 | 0.9+ | 0.1- | 870927 809 | 0.2- | 0.4- | 930319 809 | 1.5- | 0.6+ |
| 870916 809 | 0.1- | 0.0 | 870928 809 | 0.2- | 0.4+ | 930320 809 | 1.5+ | 0.2- |
| 870916 809 | 0.1+ | 0.1- | 870928 809 | 0.1+ | 0.2+ | 930324 809 | 0.1- | 0.3- |
| 870916 809 | 0.0 | 0.1- | 870928 809 | 0.2+ | 0.2+ | 930417 413 | 0.3+ | 0.5+ |

(5935)* 1977 EF₁ = 1990 LB

Discovered 1977 Mar. 13 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Id. B. G. Marsden (*MPC* 16694)

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | Marsden | | |
|---|------------|--------------------|---------------|-------------|--|
| <i>M</i> | (2000.0) | | P | Q | |
| <i>n</i> | 0.23413832 | ω 29.25698 | -0.80939314 | +0.58656125 | |
| <i>a</i> | 2.6070802 | Ω 186.87354 | -0.57466252 | -0.80117000 | |
| <i>e</i> | 0.0972830 | <i>i</i> 13.91790 | -0.12101960 | -0.11862769 | |
| <i>P</i> | 4.21 | <i>H</i> 13.1 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|-------|-------|
| 770313 095 | 0.5+ | 1.7- | 900628 675 | 0.9+ | 0.2+ | 940407 372 | 0.2+ | 1.3+ |
| 770325 095 | 0.4- | 0.4+ | 910914 675 | 0.1- | 0.9- | 940407 372 | (2.1- | 3.6+) |
| 770326 095 | (2.8+ | 0.2+) | 910914 675 | 0.5+ | 0.7- | 940408 801 | 0.5- | 0.3- |
| 770410 381 | 0.3- | 1.6- | 910917 675 | 0.0 | 0.9- | 940408 801 | 0.2- | 0.9- |
| 770410 381 | 0.4- | 1.1- | 940316 801 | 0.7+ | 0.5- | 940408 372 | 0.7- | 1.2+ |
| 900614 413 | (2.5- | 0.3+) | 940316 801 | 0.8+ | 0.5- | 940412 372 | (0.1- | 2.5-) |
| 900614 413 | 0.4- | 0.6+ | 940321 801 | 0.9+ | 1.0+ | 940412 372 | (1.1+ | 2.3+) |

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 900615 413 | 0.3+ | 0.3+ | 940321 801 | 0.9+ | 0.6+ | 940414 801 | 0.0 | 0.3- |
| 900626 675 | 0.7+ | 0.3- | 940402 596 | 0.1+ | 0.3- | 940414 801 | 0.1+ | 0.5- |
| 900626 675 | 1.8- | 0.2- | 940402 596 | 1.2- | 0.5- | | | |
| 900628 675 | 0.5+ | 0.5- | 940402 596 | 0.7- | 1.1+ | | | |

(5936)* 1979 FQ₂ = 1982 YB₃ = 1984 GE = 1989 EJ

Discovered 1979 Mar. 29 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Id. C. M. Bardwell (*MPC* 14472)

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | Bardwell | | |
|---|------------|--------------------|---------------|-------------|--|
| <i>M</i> | (2000.0) | | P | Q | |
| <i>n</i> | 0.18965856 | ω 190.38899 | -0.36889814 | +0.91572209 | |
| <i>a</i> | 3.0002290 | Ω 58.13074 | -0.83875460 | -0.25413320 | |
| <i>e</i> | 0.0538408 | <i>i</i> 10.80936 | -0.40050577 | -0.31123843 | |
| <i>P</i> | 5.20 | <i>H</i> 11.7 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 790329 095 | 1.4+ | 0.0 | 911009 801 | 0.5+ | 0.6+ | 940313 801 | 0.4+ | 0.2- |
| 790425 095 | 1.3+ | 1.4+ | 911009 801 | 0.4+ | 0.4+ | 940313 801 | 0.6+ | 0.1- |
| 790430 095 | 0.6- | 2.0+ | 911106 801 | 0.1- | 0.0 | 940409 801 | 0.7+ | 0.2- |
| 821222 095 | 2.6+ | 2.1+ | 911106 801 | 0.2+ | 0.1+ | 940409 801 | 0.6+ | 0.4- |
| 840405 046 | 0.1- | 0.1+ | 921227 801 | 0.9- | 0.0 | 940415 801 | 0.5+ | 0.0 |
| 840405 046 | 2.3- | 0.3- | 921227 801 | 1.0- | 0.2- | 940415 801 | 0.5+ | 0.0 |
| 890301 675 | 1.1- | 0.8- | 921228 801 | 1.0- | 0.7- | | | |
| 890305 675 | 1.0- | 0.6- | 921228 801 | 1.0- | 0.6- | | | |

(5937)* 1979 XQ = 1982 PP

Discovered 1979 Dec. 11 by C.-I. Lagerkvist at Kvistaberg.

Id. C. M. Bardwell (*MPC* 13589)

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | Bardwell | | |
|---|------------|--------------------|---------------|-------------|--|
| <i>M</i> | (2000.0) | | P | Q | |
| <i>n</i> | 0.29012543 | ω 326.75476 | +0.99818556 | -0.04736137 | |
| <i>a</i> | 2.2598460 | Ω 36.01632 | +0.05895957 | +0.89413126 | |
| <i>e</i> | 0.1308042 | <i>i</i> 3.62540 | -0.01222151 | +0.44529337 | |
| <i>P</i> | 3.40 | <i>H</i> 13.8 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|-------|--------|
| 500321 675 | 0.9+ | 0.5- | 890926 809 | (1.9+ | 3.8-) | 891017 403 | 2.5- | 1.0- |
| 500321 675 | (2.9+ | 0.6-) | 890926 809 | (1.6+ | 3.8-) | 891021 095 | 0.7- | 0.4- |
| 540408 675 | 0.5- | 0.3+ | 891002 071 | 1.2+ | 0.8+ | 891023 403 | (5.1+ | 2.3-)Y |
| 540408 675 | 0.1+ | 0.2+ | 891003 071 | 0.4- | 0.2- | 891023 403 | 0.5- | 0.9+ |
| 540531 675 | 0.6+ | 0.1- | 891003 071 | 0.0 | 0.7+ | 891025 046 | 0.1+ | 1.5- |
| 540531 675 | 0.1+ | 0.3- | 891007 403 | 0.8- | 1.2+ | 891025 046 | 2.5+ | 1.3- |
| 791114 095 | (3.1- | 0.3+) | 891007 403 | 1.3- | 0.3+ | 891025 095 | (3.3- | 0.3-) |
| 791122 675 | 0.4- | 1.0+ | 891008 403 | 0.4- | 0.9+ | 891025 095 | 1.6- | 0.5- |
| 791124 675 | 0.4+ | 0.6+ | 891008 403 | 0.2- | 0.4+ | 891026 046 | 1.0+ | 1.5- |
| 791125 675 | 0.3+ | 0.2- | 891011 809 | 0.7- | 0.7+ | 891026 046 | 1.5+ | 0.6- |
| 791211 049 | 1.5- | 0.1- | 891011 809 | 0.2- | 0.8+ | 891027 046 | 1.8+ | 0.9+ |
| 791211 049 | 0.3- | 0.9- | 891011 809 | 0.2+ | 0.7+ | 891027 046 | 1.6+ | 0.4+ |
| 791223 095 | 0.8- | 1.2+ | 891011 809 | 0.8+ | 0.6+ | 891102 046 | 0.9- | 0.5+ |
| 820814 095 | (0.7+ | 3.2-) | 891012 809 | 0.4- | 0.6- | 891102 046 | 1.7+ | 0.1+ |
| 820816 095 | 0.5- | 1.6- | 891012 809 | 0.0 | 0.7- | 940212 675 | 0.5- | 1.4- |
| 820913 095 | (4.2- | 0.1-) | 891012 809 | 0.7+ | 0.7- | 940212 675 | 0.3+ | 0.4- |
| 890925 801 | 0.4- | 0.1+ | 891012 809 | 1.1+ | 0.7- | 940404 675 | 0.7- | 0.7+ |
| 890926 809 | (2.0+ | 3.5-) | 891017 403 | 0.6- | 0.3- | 940404 675 | 0.3- | 0.6- |

(5938)* 1980 FH₂ = 1978 VF₂ = 1987 DJ₆

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

Id. S. Nakano (*MPC* 13301)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Nakano | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | 240.64923 | (2000.0) | <i>Q</i> |
| <i>n</i> | 0.27572129 | ω 349.20163 | +0.74076613 +0.67098104 |
| <i>a</i> | 2.3378816 | Ω 328.57899 | -0.61160572 +0.65369288 |
| <i>e</i> | 0.0737152 | <i>i</i> 3.56357 | -0.27785603 +0.34995723 |
| <i>P</i> | 3.57 | <i>H</i> 13.8 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------|-------|------------|-------|-------|
| 550420 675 | 0.1+ | 1.1+ | 870225 809 | 2.2- | 1.3+ | 870305 809 | (3.5+ | 1.5-) |
| 550420 675 | 0.3+ | 0.9+ | 870225 809 | 2.1- | 1.0+ | 870305 809 | (3.9+ | 1.5-) |
| 781030 010 | 0.7- | 0.6+ | 870225 809 | 1.8- | 1.4+ | 870306 809 | 1.8+ | 1.1- |
| 781101 010 | 0.9+ | 1.0+ | 870226 809 | (3.4- | 1.7+) | 870306 809 | 2.1+ | 1.1- |
| 781101 010 | 0.8+ | 0.9+ | 870226 809 | (3.5- | 1.5+) | 870306 809 | 1.9+ | 1.1- |
| 781102 010 | 1.7- | 0.9- | 870226 809 | (3.4- | 1.5+) | 870307 809 | 0.9- | 1.7- |
| 781102 010 | 0.5+ | 0.9+ | 870227 809 | 2.2- | 1.2+ | 870307 809 | 0.7- | 1.6- |
| 800316 809 | 0.0 | 0.6+ | 870227 809 | 2.3- | 1.3+ | 870307 809 | 0.6- | 1.1- |
| 800316 809 | 0.6+ | 0.2- | 870227 809 | 2.2- | 1.7+ | 921001 801 | 0.2- | 0.9- |
| 800316 809 | 0.1- | 0.5- | 870228 809 | 0.6- | 1.3+ | 921001 801 | 0.1- | 0.7- |
| 800316 809 | 0.6+ | 0.7- | 870228 809 | 0.4- | 1.1+ | 921024 801 | 0.3+ | 0.3+ |
| 800317 809 | 0.8+ | 0.2- | 870228 809 | 0.3- | 1.1+ | 921024 801 | 0.2+ | 0.0 |
| 800317 809 | 0.5+ | 0.7- | 870301 809 | 1.0+ | 0.7+ | 921028 801 | 0.4+ | 0.3- |
| 800317 809 | 0.4+ | 0.4- | 870301 809 | 1.0+ | 0.7+ | 921028 801 | 0.3+ | 0.4- |
| 800317 809 | 0.5+ | 0.5- | 870301 809 | 1.2+ | 0.7+ | 940212 675 | 1.3+ | 0.6+ |
| 800323 809 | 0.3+ | 0.2+ | 870303 809 | (3.2+ | 0.6-) | 940212 675 | 1.3+ | 1.1- |
| 870223 809 | 0.9+ | 1.2- | 870303 809 | (3.7+ | 0.8-) | 940215 675 | 2.0+ | 0.9- |
| 870223 809 | 1.0+ | 1.2- | 870303 809 | (3.3+ | 0.4-) | 940215 675 | 1.2+ | 1.6- |
| 870223 809 | 1.1+ | 0.8- | 870304 809 | (3.9+ | 1.1-) | 940311 098 | 1.8- | 0.0 |
| 870224 809 | 1.1- | 0.1+ | 870304 809 | (3.9+ | 1.1-) | 940312 098 | 2.5- | 0.6- |
| 870224 809 | 0.5- | 0.1+ | 870304 809 | (4.0+ | 1.1-) | | | |
| 870224 809 | 0.3- | 0.4+ | 870305 809 | (3.5+ | 1.4-) | | | |

(5939)* 1981 EU₈ = 1985 BV = 1990 EO₂

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

Id. S. Nakano (*MPC* 16423)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Nakano | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | 110.94549 | (2000.0) | <i>Q</i> |
| <i>n</i> | 0.21743915 | ω 79.98494 | +0.71574516 -0.69169257 |
| <i>a</i> | 2.7389087 | Ω 323.67073 | +0.56001899 +0.65084798 |
| <i>e</i> | 0.1402847 | <i>i</i> 9.35332 | +0.41723807 +0.31298291 |
| <i>P</i> | 4.53 | <i>H</i> 13.2 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------|-------|------------|------|------|
| 810209 413 | 1.2+ | 0.3+ | 810412 413 | 1.3- | 1.1+ | 920825 801 | 0.2+ | 1.0- |
| 810213 413 | 0.3+ | 0.5+ | 810429 413 | 0.1- | 0.1+ | 920901 801 | 0.3- | 0.6- |
| 810214 413 | 0.0 | 1.2+ | 850118 046 | (0.4+ | 3.3-) | 920901 801 | 1.1+ | 0.7- |
| 810301 413 | 0.0 | 1.6+ | 850118 046 | 1.6+ | 2.7+ | 920902 596 | 0.4+ | 0.9- |
| 810301 413 | 2.6+ | 0.1+ | 900302 809 | 1.5- | 1.4- | 920902 596 | 0.1- | 1.1- |
| 810307 413 | 0.2- | 0.4+ | 900302 809 | 1.5- | 1.0- | 920902 596 | 0.1+ | 0.2- |
| 810311 413 | 0.1- | 0.5+ | 900302 809 | 1.7- | 2.1- | 920903 596 | 0.5- | 0.8+ |
| 810311 413 | 0.3+ | 0.5- | 900302 809 | 0.9+ | 0.1- | 920903 596 | 0.3- | 1.9+ |

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|-------|-------|
| 810315 413 | 0.5- | 0.1+ | 900302 809 | 0.1+ | 0.3+ | 921121 801 | 2.4+ | 1.0- |
| 810315 413 | 0.2+ | 0.6+ | 900302 809 | 0.3+ | 0.1- | 921121 801 | (3.0+ | 1.2-) |
| 810405 413 | 1.7- | 0.6+ | 900304 809 | 1.8- | 2.0- | 931222 372 | 0.1+ | 0.7- |
| 810405 413 | 0.7+ | 0.8- | 900304 809 | 1.0- | 2.3- | 931222 372 | 1.2+ | 1.2- |
| 810406 413 | 0.5- | 0.4+ | 900304 809 | 1.3- | 1.8- | 940114 033 | 0.1- | 0.8- |
| 810406 413 | 1.5+ | 1.1- | 900304 809 | 0.5+ | 0.5+ | 940115 033 | 0.5- | 0.7+ |
| 810407 413 | 1.1- | 0.8+ | 900304 809 | 0.8+ | 0.4+ | 940115 033 | 1.0- | 0.6+ |
| 810407 413 | 1.8+ | 0.6- | 900304 809 | 0.5+ | 0.5- | 940212 675 | 0.5- | 0.7- |
| 810410 413 | 0.0 | 0.7+ | 920825 801 | 0.2+ | 1.1- | 940212 675 | 0.4- | 0.6- |

(5940)* 1981 TJ₄ = 1954 SW = 1986 TX₄ = 1986 TK₁₀

Discovered 1981 Oct. 8 by L. I. Chernykh at the Crimean Astrophysical Observatory.

Id. T. Kobayashi (*MPC* 14947), S. Nakano (d, *ibid.*)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Nakano | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | 222.81481 | (2000.0) | <i>Q</i> |
| <i>n</i> | 0.18646846 | ω 299.57461 | +0.83492499 +0.54296952 |
| <i>a</i> | 3.0343509 | Ω 27.83318 | -0.41437769 +0.72769941 |
| <i>e</i> | 0.1119790 | <i>i</i> 11.10311 | -0.36220352 +0.41909149 |
| <i>P</i> | 5.29 | <i>H</i> 11.7 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|--------|-------|------------|------|------|------------|------|------|
| 540927 760 | 0.5- | 0.7- | 911009 801 | 0.2- | 1.9+ | 921224 801 | 0.6- | 0.4+ |
| 540927 760 | 0.8+ | 0.7- | 911105 801 | 0.6- | 1.7+ | 921224 801 | 0.6- | 0.1+ |
| 811008 095 | 1.1+ | 0.6- | 921010 801 | 0.5- | 0.2- | 921225 801 | 0.7- | 0.7+ |
| 811022 095 | 2.4+ | 2.3- | 921010 801 | 1.0- | 0.3- | 921225 801 | 0.6- | 0.6+ |
| 811024 095 | (1.6+ | 5.0-) | 921010 801 | 0.6- | 0.5- | 940316 801 | 0.9- | 0.4- |
| 861001 010 | (9.9+ | 3.2-) | 921010 801 | 0.5- | 0.9- | 940316 801 | 0.1- | 0.4- |
| 861001 010 | (5.1+ | 4.6-) | 921022 801 | 0.2+ | 0.7+ | 940409 801 | 0.2+ | 0.5- |
| 861001 010 | (14.7+ | 4.5-) | 921022 801 | 0.1+ | 1.0+ | 940409 801 | 0.3- | 0.1- |
| 861003 095 | 0.6- | 0.0 | 921024 801 | 0.2+ | 0.5+ | 940415 801 | 0.1+ | 0.7- |
| 861008 095 | 2.1+ | 1.4- | 921024 801 | 0.0 | 0.7+ | 940415 801 | 0.1+ | 0.5- |

(5941)* 1982 UQ₆ = 1972 TZ₆ = 1987 WY₃

Discovered 1982 Oct. 20 by L. G. Karachkina at the Crimean Astrophysical Observatory.

Id. S. McDonald (*MPC* 12941), B. G. Marsden (*ibid.*), W. Landgraf (*ibid.*)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Marsden | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | 147.04233 | (2000.0) | <i>Q</i> |
| <i>n</i> | 0.20069135 | ω 190.83264 | +0.66390608 -0.74768980 |
| <i>a</i> | 2.8892400 | Ω 217.57113 | +0.68778089 +0.61771535 |
| <i>e</i> | 0.0598130 | <i>i</i> 1.29086 | +0.29357481 +0.24369595 |
| <i>P</i> | 4.91 | <i>H</i> 12.9 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 721006 095 | 0.8- | 1.8+ | 910805 675 | 0.4+ | 1.3- | 921128 675 | 0.4- | 0.3- |
| 821020 095 | 1.6+ | 1.3+ | 910806 675 | 0.7+ | 0.3- | 940210 675 | 0.1- | 0.1- |
| 821025 095 | 0.1+ | 0.1- | 910806 675 | 0.1+ | 0.3- | 940210 675 | 0.1- | 0.8- |
| 821109 095 | 0.0 | 0.4- | 910808 675 | 0.1+ | 1.3+ | 940304 033 | 0.9+ | 0.2- |
| 821114 095 | 1.5- | 0.8- | 910808 675 | 0.9- | 0.8- | 940304 033 | 1.1+ | 0.3+ |
| 871124 688 | 1.1- | 1.2- | 921125 675 | 0.1- | 0.5- | 940305 691 | 0.5- | 0.1- |
| 871124 688 | 2.1+ | 0.1- | 921125 675 | 0.7+ | 0.1+ | 940305 691 | 0.7- | 0.0 |
| 910805 675 | 0.3+ | 0.5- | 921128 675 | 0.7- | 0.2+ | 940305 691 | 0.9- | 0.2+ |

(5942)* 1983 AN₂ = 1978 EV₃ = 1991 RK₃₈ = 1992 WV₂

Discovered 1983 Jan. 10 by B. Behymer and M. Marley at Palomar.

Id. S. Nakano (*MPC* 21565), G. V. Williams (*ibid.*)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Nakano | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 164.82881 | (2000.0) | | P | Q |
| <i>n</i> | 0.18731513 | ω | 292.32806 | +0.96665705 | -0.17324380 |
| <i>a</i> | 3.0252004 | Ω | 78.05414 | +0.23955982 | +0.87197948 |
| <i>e</i> | 0.1327085 | <i>i</i> | 11.11330 | -0.09047232 | +0.45786284 |
| <i>P</i> | 5.26 | <i>H</i> | 11.3 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|-------|-------|--------|-----|------|------|--------|-----|------|------|
| 780306 | 095 | 0.5- | 1.1- | 921123 | 877 | 0.0 | 0.0 | 921214 | 894 | 0.4- | 1.0+ |
| 821224 | 095 | 2.0+ | 2.3+ | 921123 | 877 | 1.0+ | 1.3+ | 921222 | 894 | 0.5- | 0.3+ |
| 830110 | 675 | 1.9- | 0.1- | 921125 | 675 | 0.2+ | 0.4- | 921222 | 894 | 0.8+ | 0.4- |
| 830111 | 675 | (3.7+ | 0.5-) | 921125 | 675 | 0.6+ | 0.5+ | 921226 | 894 | 1.0- | 0.3- |
| 830111 | 675 | 0.9- | 1.6- | 921125 | 877 | 1.0+ | 0.1+ | 921226 | 894 | 0.7- | 0.4- |
| 830112 | 675 | 0.5- | 0.8- | 921125 | 877 | 0.4- | 0.2+ | 940321 | 801 | 0.2- | 0.3+ |
| 830112 | 675 | 1.8+ | 1.7- | 921127 | 894 | 0.9- | 0.8- | 940321 | 801 | 0.0 | 0.2+ |
| 910908 | 808 | 0.1+ | 0.3- | 921128 | 675 | 0.1+ | 0.6+ | 940409 | 801 | 0.5+ | 0.5+ |
| 921121 | 894 | 1.2+ | 0.3+ | 921128 | 675 | 0.1- | 0.2+ | 940409 | 801 | 0.6+ | 0.3+ |
| 921121 | 894 | 0.0 | 0.7- | 921204 | 894 | 1.0+ | 0.4+ | 940415 | 801 | 0.1+ | 0.5+ |
| 921122 | 894 | 0.7- | 1.4- | 921204 | 894 | 0.5- | 0.3- | 940415 | 801 | 0.2- | 0.7+ |
| 921122 | 894 | 0.8- | 0.3- | 921214 | 894 | 0.5- | 1.0+ | | | | |

(5943)* 1984 EG = 1982 VC₂ = 1991 JK₅

Discovered 1984 Mar. 1 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Id. M. Kretlow (*MPC* 18624), B. G. Marsden (*ibid.*)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Marsden | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 17.55508 | (2000.0) | | P | Q |
| <i>n</i> | 0.29757760 | ω | 86.78554 | -0.81414728 | +0.57496165 |
| <i>a</i> | 2.2219583 | Ω | 128.29489 | -0.56531722 | -0.75295288 |
| <i>e</i> | 0.1102615 | <i>i</i> | 5.93396 | -0.13259202 | -0.32012665 |
| <i>P</i> | 3.31 | <i>H</i> | 14.1 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|-------|-------|--------|-----|------|------|--------|-----|------|------|
| 821114 | 381 | 0.6- | 0.7- | 840331 | 688 | 0.6- | 0.2- | 940215 | 675 | 0.2- | 0.0 |
| 821114 | 381 | (4.3- | 1.6-) | 910513 | 809 | 0.6+ | 0.0 | 940221 | 596 | 1.4+ | 0.6+ |
| 840301 | 688 | (2.8+ | 0.4-) | 910513 | 809 | 0.4+ | 0.4- | 940221 | 596 | 1.1+ | 1.4+ |
| 840301 | 688 | 0.2+ | 1.7- | 910513 | 809 | 0.3+ | 0.1- | 940221 | 596 | 1.6+ | 1.5+ |
| 840306 | 688 | 0.4+ | 1.8- | 910517 | 809 | 0.6- | 0.2- | 940314 | 689 | 0.2+ | 0.9+ |
| 840306 | 688 | 0.6- | 0.6+ | 910517 | 809 | 0.7- | 0.6- | 940408 | 801 | 0.5- | 0.8+ |
| 840309 | 688 | 1.3- | 1.1- | 910517 | 809 | 0.1- | 0.2- | 940408 | 801 | 0.6- | 0.6+ |
| 840309 | 688 | 0.5+ | 1.0- | 921003 | 675 | 0.6+ | 0.2- | 940415 | 801 | 0.9- | 0.8+ |
| 840329 | 688 | (3.0- | 0.1+) | 921003 | 675 | 0.4+ | 0.5- | 940415 | 801 | 0.6- | 0.5+ |
| 840331 | 688 | 0.4- | 1.7- | 940215 | 675 | 0.1- | 0.4- | | | | |

(5944)* 1984 JA₂ = 1981 XB₁ = 1989 GG

Discovered 1984 May 2 by L. G. Karachkina at the Crimean Astrophysical Observatory.

Id. S. Nakano (*MPC* 14616)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Nakano | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 303.09734 | (2000.0) | | P | Q |
| <i>n</i> | 0.18769533 | ω | 217.63315 | +0.04577569 | +0.98684338 |
| <i>a</i> | 3.0211137 | Ω | 55.50610 | -0.86474303 | +0.11685935 |
| <i>e</i> | 0.0603188 | <i>i</i> | 10.84434 | -0.50012407 | -0.11173202 |
| <i>P</i> | 5.25 | <i>H</i> | 12.2 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|-------|-------|--------|-----|-------|-------|--------|-----|------|------|
| 811204 | 511 | 1.0- | 1.1+ | 910911 | 675 | 0.0 | 0.8- | 911112 | 808 | 0.7+ | 0.6+ |
| 811204 | 511 | 0.1- | 0.9+ | 910912 | 675 | 0.4+ | 0.1+ | 940312 | 801 | 0.4- | 0.6+ |
| 840502 | 095 | 0.5+ | 0.3- | 910912 | 675 | 0.7+ | 0.1+ | 940312 | 801 | 0.5- | 0.4+ |
| 840505 | 095 | 0.6+ | 0.5+ | 910913 | 675 | 0.2- | 1.6- | 940321 | 801 | 0.2- | 0.1- |
| 840525 | 095 | 0.4+ | 0.9+ | 910914 | 675 | 0.3+ | 0.7+ | 940321 | 801 | 0.2- | 0.7- |
| 890406 | 402 | 1.8+ | 0.7- | 910914 | 675 | 1.1- | 0.1- | 940408 | 801 | 0.1+ | 0.4- |
| 890406 | 402 | 0.5+ | 0.4+ | 911101 | 808 | 0.4+ | 0.3+ | 940408 | 801 | 0.2+ | 0.4- |
| 890408 | 402 | (4.5- | 1.6+) | 911101 | 808 | 1.1+ | 0.3- | 940415 | 801 | 0.2- | 1.0- |
| 890409 | 402 | 2.0- | 0.0 | 911109 | 808 | (5.5- | 0.5+) | 940415 | 801 | 0.2+ | 1.4- |
| 890409 | 402 | 1.2- | 1.0+ | 911109 | 808 | 0.0 | 0.9- | | | | |
| 910911 | 675 | 0.3+ | 1.1- | 911112 | 808 | 1.3- | 0.7+ | | | | |

(5945)* 1984 SQ₃ = 1954 QC = 1954 SY = 1983 GL₁

Discovered 1984 Sept. 28 by B. A. Skiff at the Anderson Mesa Station of the Lowell Observatory.

Id. C. M. Bardwell (*MPC* 14192), S. Nakano (*ibid.*)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Nakano | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 40.95308 | (2000.0) | | P | Q |
| <i>n</i> | 0.29676343 | ω | 297.73506 | +0.76262536 | +0.64604492 |
| <i>a</i> | 2.2260203 | Ω | 22.06876 | -0.55935000 | +0.68356310 |
| <i>e</i> | 0.1440914 | <i>i</i> | 4.89661 | -0.32485403 | +0.33965786 |
| <i>P</i> | 3.32 | <i>H</i> | 13.0 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 511130 | 675 | 0.1+ | 0.6+ | 840928 | 688 | 0.8- | 0.3- | 930324 | 809 | 0.6- | 1.0+ |
| 511130 | 675 | 0.5- | 0.4+ | 840928 | 688 | 0.2- | 0.2- | 930419 | 801 | 0.4- | 0.1- |
| 540831 | 760 | 0.6+ | 2.2- | 841026 | 688 | 1.0+ | 0.9- | 930419 | 801 | 0.5+ | 0.6- |
| 540831 | 760 | 0.7+ | 0.3+ | 841026 | 688 | 0.4- | 0.9- | 930421 | 413 | 1.3- | 0.7+ |
| 540927 | 760 | 0.1+ | 0.7+ | 841031 | 688 | 0.0 | 0.1- | 930424 | 801 | 0.2+ | 0.6- |
| 540927 | 760 | 1.8- | 2.0+ | 841031 | 688 | 2.3+ | 1.2- | 930424 | 801 | 0.3+ | 0.9- |
| 830409 | 095 | 0.4+ | 0.8- | 930319 | 809 | 0.0 | 0.8- | | | | |
| 830411 | 095 | 0.4- | 0.0 | 930320 | 809 | 0.4+ | 0.1+ | | | | |

(5946)* 1984 UC₁ = 1982 BB₁₂ = 1989 AJ₂

Discovered 1984 Oct. 28 by A. Mrkos at Kleť.

Id. S. Nakano (*MPC* 16578)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Nakano | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 206.87945 | (2000.0) | | P | Q |
| <i>n</i> | 0.27549661 | ω | 221.49980 | -0.41818157 | -0.90735589 |
| <i>a</i> | 2.3391525 | Ω | 253.25998 | +0.84473727 | -0.37114606 |
| <i>e</i> | 0.1256356 | <i>i</i> | 2.55997 | +0.33398073 | -0.19737245 |
| <i>P</i> | 3.58 | <i>H</i> | 14.1 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|-------|-------|--------|-----|-------|-------|--------|-----|------|------|
| 820120 | 095 | 0.7+ | 1.6+ | 910913 | 033 | 1.0- | 0.5- | 911007 | 033 | 0.2- | 0.6- |
| 841028 | 046 | (1.7+ | 7.9-) | 910913 | 033 | 0.6- | 0.7+ | 911008 | 033 | 0.1- | 0.1- |
| 841028 | 046 | 1.4- | 2.0- | 910914 | 033 | 0.3- | 0.5+ | 911009 | 033 | 1.0+ | 0.2- |
| 841029 | 046 | 1.6+ | 1.3+ | 910915 | 033 | 0.0 | 0.4+ | 911109 | 675 | 0.5+ | 1.2- |
| 841029 | 046 | 0.6- | 0.5+ | 910915 | 033 | 1.4- | 0.7+ | 911109 | 675 | 0.5+ | 0.2+ |
| 841030 | 046 | (4.5- | 2.1-) | 910918 | 033 | 0.2+ | 0.5+ | 911110 | 675 | 0.8- | 0.9- |
| 841030 | 046 | 0.1- | 0.9+ | 911003 | 046 | (1.9+ | 3.9-) | 911110 | 675 | 0.9- | 1.9+ |
| 890111 | 046 | 0.2- | 0.3- | 911003 | 046 | (5.1+ | 0.8+) | 930321 | 809 | 1.0+ | 0.1+ |
| 890111 | 046 | 1.0+ | 0.0 | 911003 | 033 | 0.9+ | 0.2+ | 930322 | 809 | 1.0+ | 0.3+ |
| 890112 | 046 | 1.2+ | 0.8- | 911004 | 033 | 0.8+ | 0.4+ | 930326 | 809 | 0.6- | 0.2+ |

890112 046 2.5- 0.3- 911004 033 0.5+ 0.2+ 930418 413 0.9- 0.7+
 910913 033 1.1- 0.5- 911007 033 1.2+ 0.4-

(5947)* 1985 FD

Discovered 1985 Mar. 21 by C. S. Shoemaker at Palomar.

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 15.81343 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.22722434 | ω 142.34105 | -0.54335856 | +0.79927407 |
| <i>a</i> | 2.6597010 | Ω 93.33469 | -0.81911817 | -0.43777706 |
| <i>e</i> | 0.1492292 | <i>i</i> 14.90334 | -0.18386653 | -0.41171859 |
| <i>P</i> | 4.34 | <i>H</i> 12.5 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 850321 675 | 0.3+ | 0.6- | 911107 675 | 0.4+ | 0.9- | 940408 801 | 0.5- | 0.2- |
| 850324 675 | 0.1+ | 0.2- | 911109 675 | 0.0 | 1.4- | 940408 801 | 0.3- | 0.2- |
| 850325 675 | 0.3- | 0.0 | 911109 675 | 0.6+ | 0.6- | 940411 801 | 0.3- | 0.1- |
| 850411 675 | 0.1- | 0.0 | 921229 033 | 0.1- | 0.1- | 940411 801 | 0.2- | 0.1+ |
| 850415 675 | 0.0 | 0.8+ | 921230 033 | 0.0 | 0.2- | 940422 596 | 0.6+ | 0.8- |
| 911006 675 | 0.0 | 0.5+ | 930101 033 | 0.3- | 0.2- | 940422 596 | 0.3+ | 0.8- |
| 911006 675 | 0.4+ | 0.6- | 940316 801 | 0.6- | 0.0 | 940422 596 | 0.2- | 1.0- |
| 911007 675 | 0.7+ | 0.5- | 940316 801 | 0.6- | 0.0 | | | |

(5948)* 1985 JL = 1990 HO₂

Discovered 1985 May 15 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Id. H. Kaneda (*MPC* 16870)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 37.51502 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.21762941 | ω 125.91265 | -0.91312156 | +0.37456582 |
| <i>a</i> | 2.7373121 | Ω 76.57177 | -0.40656854 | -0.80740397 |
| <i>e</i> | 0.2244605 | <i>i</i> 9.52560 | -0.03018333 | -0.45585005 |
| <i>P</i> | 4.53 | <i>H</i> 13.3 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------------|------|------------|-------------|------|------------|------|------|
| 540729 675 | 0.7+ | 0.3- | 890308 675 | 0.7+ | 0.2- | 940312 801 | 0.6- | 0.9- |
| 540729 675 | 0.2+ | 1.2- | 890308 675 | 0.2- | 0.9- | 940312 801 | 0.7+ | 1.9- |
| 850511 675 | 0.0 | 0.8+ | 900427 413 | 2.3+ | 0.3+ | 940314 689 | 0.4- | 0.9- |
| 850514 675 | 1.0- | 1.2- | 900427 413 | (3.8+ 0.3-) | | 940316 801 | 0.2+ | 1.7- |
| 850515 688 | 1.7+ | 1.2+ | 900430 413 | 1.5+ | 1.2- | 940316 801 | 0.3+ | 0.6- |
| 850515 688 | (3.6+ 3.1+) | | 900430 413 | 0.0 | 1.3- | 940408 801 | 0.4+ | 0.5- |
| 850518 688 | 1.5- | 1.3+ | 910912 675 | 0.1- | 1.0- | 940408 801 | 0.0 | 0.2- |
| 850518 688 | 0.2+ | 1.8+ | 910912 675 | (2.4+ 8.0+) | | 940414 801 | 0.4+ | 0.5- |
| 850521 688 | (2.9+ 0.8-) | | 910912 675 | 1.4- | 0.0 | 940414 801 | 0.2+ | 0.3- |
| 850521 688 | 1.0+ | 0.8+ | 910912 675 | 0.3+ | 0.5- | 940423 596 | 1.8- | 1.1+ |
| 890202 675 | 0.5- | 0.1- | 910915 675 | 0.2+ | 0.2- | 940423 596 | 0.1- | 0.9+ |
| 890202 675 | 0.3- | 1.2+ | 910915 675 | 0.5+ | 1.4- | 940423 596 | 1.2- | 0.7+ |
| 890307 675 | 1.5+ | 0.7- | 910916 675 | 0.0 | 0.2- | | | |
| 890307 675 | 0.1- | 0.2- | 910916 675 | 0.8- | 1.4+ | | | |

(5949)* 1985 RL₃ = 1981 LH = 1991 GF

Discovered 1985 Sept. 6 by H. Debehogne at the European Southern Observatory.

Id. S. Nakano (*MPC* 18110)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Nakano

| <i>M</i> | 305.93498 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.28867135 | ω 175.70112 | -0.18978842 | +0.97364699 |
| <i>a</i> | 2.2674285 | Ω 83.32308 | -0.90456066 | -0.12331412 |
| <i>e</i> | 0.1049804 | <i>i</i> 7.31490 | -0.38177265 | -0.19184670 |
| <i>P</i> | 3.41 | <i>H</i> 13.4 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 810604 688 | 0.0 | 2.0- | 850914 809 | 0.4+ | 0.8- | 910312 675 | 0.9- | 1.1- |
| 810604 688 | 0.1- | 2.3- | 850916 809 | 0.9+ | 0.3- | 910402 400 | 0.0 | 2.4+ |
| 850906 809 | 0.3- | 0.1+ | 850916 809 | 1.0+ | 0.4- | 910402 400 | 1.4+ | 0.3+ |
| 850906 809 | 0.1- | 0.3+ | 850916 809 | 1.1+ | 0.5- | 910409 400 | 0.3- | 0.8+ |
| 850906 809 | 0.1- | 0.5+ | 850918 809 | 1.6- | 0.2- | 910409 400 | 1.7+ | 1.8+ |
| 850908 809 | 0.6- | 0.8+ | 850918 809 | 1.6- | 0.2- | 921126 675 | 1.5+ | 0.6+ |
| 850908 809 | 0.2- | 0.9+ | 850918 809 | 1.4- | 0.3- | 921126 675 | 1.5+ | 0.4+ |
| 850908 809 | 0.1+ | 0.8+ | 850920 809 | 0.1- | 0.6- | 940210 675 | 0.3+ | 0.8- |
| 850910 809 | 0.1- | 0.1+ | 850920 809 | 0.3+ | 0.8- | 940210 675 | 1.1- | 1.0- |
| 850910 809 | 0.1+ | 0.1+ | 850920 809 | 0.6+ | 0.8- | 940215 675 | 0.4+ | 0.5- |
| 850910 809 | 0.5+ | 0.1+ | 850922 809 | 0.4- | 0.2+ | 940215 675 | 0.6+ | 1.2- |
| 850914 809 | 0.2- | 0.3- | 850922 809 | 0.3- | 0.4- | 940404 675 | 0.9- | 0.9- |
| 850914 809 | 0.1+ | 0.6- | 910312 675 | 1.7- | 1.1- | 940404 675 | 0.6- | 0.1- |

(5950)* 1986 PS₄ = 1986 RV₄ = 1950 QL = 1987 YG₃ = 1991 PV₂

Discovered 1986 Aug. 9 by E. W. Elst and V. Ivanova at Rozhen.

Id. E. W. Elst (d, *MPC* 12118), B. G. Marsden (*MPC* 18810)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Marsden

| <i>M</i> | 187.31131 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.19169895 | ω 29.09551 | +0.97029832 | +0.21753057 |
| <i>a</i> | 2.9789021 | Ω 317.90880 | -0.24101483 | +0.83163917 |
| <i>e</i> | 0.1055168 | <i>i</i> 9.08462 | -0.02080916 | +0.51093712 |
| <i>P</i> | 5.14 | <i>H</i> 12.7 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------------|------|------------|-------------|------|------------|------|------|
| 500817 760 | 0.9+ | 0.0 | 910705 809 | 0.9+ | 1.4- | 910807 809 | 1.7- | 0.1- |
| 500817 760 | 0.2- | 1.6- | 910705 809 | 0.8+ | 1.2- | 910814 809 | 0.2+ | 0.9+ |
| 860806 071 | (4.5+ 2.3-) | | 910705 809 | 0.9+ | 1.2- | 910814 809 | 0.1- | 0.8+ |
| 860806 071 | (6.8+ 0.6+) | | 910706 809 | 0.0 | 0.5- | 910814 809 | 0.2- | 0.6+ |
| 860809 071 | 0.6+ | 1.1- | 910706 809 | 0.3+ | 0.6- | 940116 098 | 0.0 | 0.7- |
| 860809 071 | (4.0- 0.6+) | | 910706 809 | 0.6+ | 0.5- | 940116 098 | 0.7- | 0.7- |
| 860809 071 | (4.1- 1.4+) | | 910708 809 | 0.4- | 1.4- | 940118 098 | 0.2- | 0.8- |
| 860908 071 | 0.6+ | 0.4- | 910708 809 | 0.7+ | 1.2- | 940118 098 | 1.5- | 0.9- |
| 860908 071 | 1.3+ | 0.1- | 910802 809 | 0.7+ | 1.6+ | 940212 675 | 0.0 | 0.0 |
| 860908 071 | (5.2+ 1.2+) | | 910802 809 | (0.3- 2.1+) | | 940212 675 | 0.1- | 0.2- |
| 871220 010 | 1.0- | 0.9- | 910802 809 | 0.8- | 1.8+ | 940215 675 | 0.1- | 1.2- |
| 871220 010 | (1.5+ 6.8+) | | 910807 809 | 1.4- | 0.5- | 940215 675 | 0.2- | 1.6- |
| 871220 010 | 0.5+ | 0.1+ | 910807 809 | (2.4- 0.0) | | | | |

(5951)* 1986 TZ₁ = 1973 SJ₅ = 1983 XE₁

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

Id. S. Nakano (*MPC* 11427)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| M | | (2000.0) | | P | | Q | |
|----------|------------|----------|-----------|-------------|-------------|---|--|
| <i>n</i> | 0.30270193 | ω | 285.81095 | +0.96441424 | -0.24728140 | | |
| <i>a</i> | 2.1968105 | Ω | 88.57648 | +0.26389629 | +0.87853519 | | |
| <i>e</i> | 0.2188737 | <i>i</i> | 5.37122 | +0.01624587 | +0.40869039 | | |
| <i>P</i> | 3.26 | <i>H</i> | 13.5 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 520131 675 | 1.2- | 0.7+ | 861105 688 | 0.1+ | 1.3- | 940212 675 | 0.9- | 1.6- |
| 520131 675 | 0.6- | 0.1+ | 861130 688 | 1.8- | 0.8- | 940212 675 | 0.5- | 0.7- |
| 550323 675 | 0.7+ | 0.0 | 861130 688 | 0.4- | 2.2+ | 940220 689 | 0.2- | 0.3+ |
| 550323 675 | 0.7+ | 0.0 | 890730 293 | 0.1- | 0.8- | 940303 689 | 0.2- | 1.1- |
| 730927 095 | 0.7+ | 1.3- | 910209 801 | 0.0 | 0.2+ | 940404 675 | 0.4- | 1.8- |
| 831201 330 | 2.5+ | 0.2- | 910209 801 | 0.1- | 0.1+ | 940404 675 | 0.4+ | 1.1- |
| 831204 330 | 1.6- | 2.0+ | 910212 801 | 0.8+ | 0.2- | 940405 675 | 0.6- | 0.0 |
| 861007 688 | 0.2+ | 0.4- | 910212 801 | 0.7+ | 0.3- | 940406 675 | 0.1+ | 0.7+ |
| 861007 688 | 1.3+ | 0.0 | 920530 801 | 0.9+ | 0.6- | 940406 675 | 0.6- | 0.1- |
| 861105 688 | 0.4- | 0.5- | 920530 801 | 0.2- | 0.1- | | | |

(5952)* 1987 EV = 1977 LO = 1988 SK₁ = 1991 NR

Discovered 1987 Mar. 4 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Id. G. V. Williams (*MPC* 18627)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| M | | (2000.0) | | P | | Q | |
|----------|------------|----------|-----------|-------------|-------------|---|--|
| <i>n</i> | 0.28808475 | ω | 269.67537 | -0.78894898 | +0.61191289 | | |
| <i>a</i> | 2.2705054 | Ω | 308.05176 | -0.53175839 | -0.72549964 | | |
| <i>e</i> | 0.1113572 | <i>i</i> | 4.06900 | -0.30788395 | -0.31498078 | | |
| <i>P</i> | 3.42 | <i>H</i> | 13.4 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|-------|-------|
| 511130 675 | 0.2- | 0.1- | 870303 809 | 0.5- | 0.2- | 880916 675 | 0.4+ | 0.9- |
| 511130 675 | 2.0+ | 0.2+ | 870304 688 | (3.3+ | 0.7+) | 880920 809 | 0.1+ | 0.4- |
| 551212 675 | (0.1+ | 6.3+) | 870304 688 | 0.5- | 0.6+ | 880920 809 | 0.1+ | 0.7- |
| 551212 675 | 0.3+ | 1.2+ | 870304 809 | 0.6- | 0.5- | 880920 809 | 0.2+ | 1.0- |
| 770611 808 | 0.2- | 1.0+ | 870304 809 | 0.4- | 0.3- | 910707 675 | (3.3+ | 0.5-) |
| 770611 808 | 0.9- | 1.4+ | 870304 809 | 0.3- | 0.2- | 910709 675 | (2.9+ | 1.7-) |
| 781128 675 | 0.0 | 1.3- | 870305 809 | 0.7- | 0.3+ | 910709 675 | 1.2+ | 1.8- |
| 781129 675 | 0.4+ | 0.4- | 870305 809 | 0.5- | 0.2+ | 921223 801 | 0.1+ | 0.4+ |
| 810830 675 | 0.1+ | 0.2+ | 870305 809 | 0.4- | 0.1+ | 921223 801 | 0.5+ | 0.6+ |
| 810831 675 | 0.7+ | 0.4- | 870307 809 | 0.8- | 0.4- | 921227 801 | 0.4- | 0.1+ |
| 870226 809 | 0.2- | 0.5- | 870307 809 | 0.2- | 0.5- | 921228 801 | 0.6- | 0.2- |
| 870226 809 | 0.0 | 0.3- | 870307 809 | 0.1- | 0.2- | 940303 689 | 0.2- | 0.8- |
| 870226 809 | 0.0 | 0.7- | 870308 809 | 0.1- | 0.4- | 940312 801 | 0.1+ | 0.1+ |
| 870227 809 | 0.1- | 0.7- | 870308 809 | 0.0 | 0.6- | 940312 801 | 0.3+ | 0.3+ |
| 870227 809 | 0.1- | 0.6- | 870308 809 | 0.2+ | 0.5- | 940314 689 | 0.1+ | 0.1- |
| 870227 809 | 0.1- | 0.2- | 870310 809 | 0.3+ | 0.5- | 940321 801 | 0.1+ | 0.2+ |
| 870301 809 | 0.4- | 0.2- | 870310 809 | 0.4+ | 0.7- | 940321 801 | 0.4+ | 0.5+ |
| 870301 809 | 0.2- | 0.2- | 870310 809 | 0.7+ | 0.5- | 940408 801 | 0.7+ | 0.2+ |
| 870301 809 | 0.1+ | 0.3- | 880911 675 | 0.1+ | 2.1- | 940408 801 | 0.9+ | 0.1+ |
| 870303 809 | 0.8- | 0.2- | 880911 675 | (0.6+ | 2.8-) | 940411 801 | 0.2- | 0.5- |
| 870303 809 | 0.4- | 0.1- | 880916 675 | 0.2+ | 1.4- | 940411 801 | 0.3+ | 0.2- |

(5953)* 1987 HS = 1987 FK₁ = 1983 DO = 1984 OD

Discovered 1987 Apr. 25 by C. S. Shoemaker at Palomar.

Id. B. G. Marsden (*MPC* 13457)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| M | | (2000.0) | | P | | Q | |
|----------|------------|----------|-----------|-------------|-------------|---|--|
| <i>n</i> | 0.27913420 | ω | 163.14062 | +0.53270693 | +0.80110179 | | |
| <i>a</i> | 2.3187861 | Ω | 137.91484 | -0.81583870 | +0.57183393 | | |
| <i>e</i> | 0.1678810 | <i>i</i> | 24.02464 | -0.22501233 | -0.17675375 | | |
| <i>P</i> | 3.53 | <i>H</i> | 13.4 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|--------|-------|------------|-------|-------|------------|------|------|
| 830219 688 | (2.8+ | 2.1-) | 870529 675 | 0.0 | 0.9+ | 910709 801 | 0.5- | 1.4- |
| 830219 688 | (3.6+ | 2.1-) | 870530 675 | 0.6+ | 0.1- | 910709 801 | 0.5- | 0.6- |
| 840731 046 | 0.3+ | 1.5- | 870531 675 | 1.7+ | 1.3+ | 910710 801 | 0.2- | 0.5- |
| 840731 046 | (2.2+ | 4.1+) | 870601 675 | 0.5- | 0.1+ | 910710 801 | 0.1- | 0.6- |
| 840801 046 | (0.4- | 4.2-) | 900129 675 | 0.3- | 1.0- | 910710 657 | 0.0 | 0.2- |
| 840801 046 | (0.5+ | 4.0+) | 900129 675 | 0.1- | 1.1- | 910710 657 | 0.0 | 0.5- |
| 840802 046 | 0.2+ | 0.2- | 900130 675 | 0.6- | 1.2- | 940312 801 | 0.5+ | 0.1- |
| 840802 046 | 0.2- | 1.8+ | 900130 675 | (0.4+ | 3.0-) | 940312 801 | 0.6- | 0.0 |
| 840803 046 | (1.2- | 4.1-) | 900220 675 | 0.8+ | 0.1- | 940316 801 | 0.1+ | 0.8- |
| 840803 046 | (1.2- | 3.4-) | 900220 675 | 0.3- | 0.5+ | 940316 801 | 0.2+ | 0.8- |
| 870331 675 | (18.9- | 1.8+) | 900222 675 | (0.1+ | 2.6-) | 940408 801 | 0.0 | 0.7+ |
| 870331 675 | (18.6- | 0.4-) | 900222 675 | 1.4+ | 1.9- | 940408 801 | 0.2+ | 0.8+ |
| 870425 675 | 1.0- | 0.9+ | 910513 801 | 0.2+ | 0.4- | 940412 801 | 0.3- | 0.0 |
| 870425 675 | 1.2- | 0.0 | 910513 801 | 0.3+ | 0.4- | 940412 801 | 0.0 | 0.4+ |

(5954)* 1987 QS₁ = 1990 BF₁

Discovered 1987 Aug. 19 by E. W. Elst at the European Southern Observatory.

Id. H. Kaneda (*MPC* 16025)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| M | | (2000.0) | | P | | Q | |
|----------|------------|----------|-----------|-------------|-------------|---|--|
| <i>n</i> | 0.25721882 | ω | 248.13613 | -0.79370493 | +0.60547960 | | |
| <i>a</i> | 2.4486923 | Ω | 329.03770 | -0.50762682 | -0.71229676 | | |
| <i>e</i> | 0.1718791 | <i>i</i> | 6.53363 | -0.33518278 | -0.35500391 | | |
| <i>P</i> | 3.83 | <i>H</i> | 13.1 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|-------|-------|
| 531001 675 | 0.2+ | 1.1- | 900131 400 | 1.9+ | 0.9+ | 910814 809 | 0.3+ | 0.2- |
| 531001 675 | 0.5- | 0.1- | 900131 400 | (2.9+ | 0.3-) | 910816 809 | 0.5+ | 1.6- |
| 541230 675 | 0.3+ | 1.5- | 900214 400 | 2.3+ | 1.0+ | 910816 809 | 0.3+ | 1.9- |
| 541230 675 | 1.0- | 0.9- | 900214 400 | 0.0 | 0.4- | 910816 809 | 0.6- | 1.4- |
| 870819 809 | 0.6+ | 0.3+ | 910716 801 | 0.3- | 0.1- | 921128 675 | 0.0 | 1.8- |
| 870819 809 | 0.9+ | 0.2+ | 910716 801 | 0.0 | 0.1- | 921128 675 | 0.2+ | 0.6- |
| 870819 809 | 1.5+ | 0.1+ | 910805 675 | 0.0 | 0.2- | 940310 894 | (1.9- | 3.0-) |
| 870821 809 | 1.3- | 1.8+ | 910805 675 | 0.8+ | 0.0 | 940310 894 | 1.3- | 0.6- |
| 870821 809 | 2.0+ | 0.3+ | 910806 801 | 0.2- | 0.0 | 940314 894 | 0.6- | 0.4- |
| 870821 809 | (5.3+ | 1.4-) | 910806 801 | 0.0 | 0.1- | 940314 894 | 0.5- | 2.1- |
| 870822 809 | 0.4- | 0.0 | 910808 675 | 0.2+ | 0.3- | 940315 894 | 0.8- | 0.1- |
| 870822 809 | 0.2- | 0.1+ | 910808 675 | 0.1- | 0.2+ | 940315 894 | 1.7- | 0.3+ |
| 870824 809 | (4.3- | 1.4+) | 910811 801 | 0.1- | 0.2- | 940409 801 | 1.1- | 0.4- |
| 870824 809 | (4.3- | 0.2+) | 910811 801 | 0.2- | 0.1- | 940409 801 | 1.1- | 0.6- |
| 900124 400 | (4.0+ | 0.7-) | 910812 801 | 0.1- | 0.3- | 940415 801 | 1.0- | 0.2- |
| 900124 400 | 0.5+ | 0.7- | 910812 801 | 0.3- | 0.3- | 940415 801 | 0.8- | 0.2- |
| 900127 400 | 2.2+ | 1.2- | 910814 809 | 0.5+ | 0.5- | | | |

(5955)* 1987 RT₃ = 1985 FK₂ = 1991 PC₂

Discovered 1987 Sept. 2 by L. I. Chernykh at the Crimean Astrophysical Observatory.

Id. B. G. Marsden (*MPC* 18812)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Marsden | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 35.97208 | (2000.0) | | <i>P</i> | <i>Q</i> |
| <i>n</i> | 0.20984849 | ω | 189.22562 | -0.84501814 | -0.52687498 |
| <i>a</i> | 2.8045648 | Ω | 318.55726 | +0.49899483 | -0.71552470 |
| <i>e</i> | 0.0924907 | <i>i</i> | 7.93425 | +0.19221995 | -0.45872340 |
| <i>P</i> | 4.70 | <i>H</i> | 12.9 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 850324 688 | 1.1+ | 1.5+ | 910807 809 | 0.5+ | 0.3+ | 940118 098 | 0.4- | 0.7+ |
| 850324 688 | 0.1- | 0.3+ | 910807 809 | 0.7- | 0.1+ | 940212 675 | 0.4- | 0.3+ |
| 870902 095 | 0.6- | 0.6+ | 910807 809 | 0.2- | 0.1- | 940212 675 | 0.2- | 0.8- |
| 870917 095 | (1.3+ | 2.8+) | 910814 809 | 1.5+ | 0.0 | 940215 675 | 0.0 | 0.8- |
| 870926 095 | 0.5- | 1.3+ | 910814 809 | 0.1+ | 0.4- | 940215 675 | 0.2+ | 0.4- |
| 910802 809 | 0.6+ | 0.5- | 940116 098 | 1.6+ | 0.4- | 940312 801 | 0.1- | 0.2+ |
| 910802 809 | 0.9- | 0.1+ | 940116 098 | 0.8- | 0.4- | 940312 801 | 0.5- | 0.3+ |
| 910802 809 | 0.5- | 0.3- | 940118 098 | 0.1+ | 0.6+ | | | |

(5956)* 1988 CF₅ = 1959 PA = 1968 QN = 1977 RB₅ = 1986 VG₉

Discovered 1988 Feb. 13 by E. W. Elst at the European Southern Observatory.

Id. H. Kaneda (*MPC* 16698)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 282.50612 | (2000.0) | | <i>P</i> | <i>Q</i> |
| <i>n</i> | 0.22052357 | ω | 182.86140 | +0.97874471 | -0.20363164 |
| <i>a</i> | 2.7133097 | Ω | 188.99949 | +0.19111547 | +0.94870462 |
| <i>e</i> | 0.2904496 | <i>i</i> | 8.95564 | +0.07438871 | +0.24185471 |
| <i>P</i> | 4.47 | <i>H</i> | 12.4 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 590806 024 | 1.4- | 0.1- | 880216 809 | 0.5+ | 1.6- | 920103 033 | 1.0- | 0.2+ |
| 590807 024 | 0.6+ | 1.1- | 880221 809 | 1.0+ | 0.4+ | 920103 033 | 1.6- | 0.8- |
| 680827 095 | (2.3+ | 6.7-) | 880221 809 | 1.5+ | 0.7+ | 920106 801 | 0.1+ | 0.4- |
| 770909 095 | 1.7+ | 0.7+ | 880221 809 | 1.3+ | 0.6+ | 920106 801 | 0.1- | 0.2- |
| 861104 095 | 0.6- | 0.9+ | 880223 809 | (3.3- | 0.3-) | 930319 809 | 0.0 | 1.0+ |
| 880213 809 | 0.5+ | 0.8+ | 880223 809 | (3.0- | 0.2-) | 930320 809 | 0.3- | 0.6+ |
| 880215 809 | 1.1+ | 2.0- | 880223 809 | (2.7- | 0.2-) | 930417 413 | 2.1- | 2.1+ |
| 880216 809 | 0.2- | 1.2- | 920101 801 | 0.7+ | 1.9+ | | | |
| 880216 809 | 0.6- | 1.5- | 920101 801 | 1.2- | 0.3- | | | |

(5957)* 1988 JN

Discovered 1988 May 11 by C. S. Shoemaker at Palomar.

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 12.64157 | (2000.0) | | <i>P</i> | <i>Q</i> |
| <i>n</i> | 0.17013847 | ω | 103.20295 | -0.24403486 | +0.95053153 |
| <i>a</i> | 3.2255296 | Ω | 150.42013 | -0.96973899 | -0.23769604 |
| <i>e</i> | 0.1183566 | <i>i</i> | 22.91307 | -0.00729945 | -0.19997600 |
| <i>P</i> | 5.79 | <i>H</i> | 12.0 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 880511 675 | 0.8- | 2.2- | 890829 675 | 1.6+ | 1.4- | 940312 801 | 0.6+ | 0.4+ |
| 880513 675 | 0.9- | 0.7- | 890829 675 | 0.5+ | 1.6- | 940312 801 | 0.4+ | 0.3+ |
| 880514 675 | 0.9+ | 1.9- | 890924 675 | 0.4- | 0.8+ | 940316 801 | 0.1+ | 0.9+ |

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 880608 675 | (5.8+ | 1.8+) | 890924 675 | 2.1- | 0.9- | 940316 801 | 0.1- | 0.7+ |
| 880609 675 | 0.3+ | 0.5+ | 930323 675 | 0.5- | 1.4- | 940408 801 | 0.2+ | 1.1+ |
| 880611 675 | 0.3+ | 0.6+ | 930323 675 | 0.0 | 0.8- | 940408 801 | 0.2+ | 1.0+ |
| 880717 675 | 0.7- | 0.2- | 930327 801 | 0.3+ | 0.3- | 940411 801 | 0.2+ | 1.2+ |
| 880718 675 | 0.1+ | 0.4- | 930327 801 | 0.2+ | 0.4- | | | |

(5958)* 1989 BS₁ = 1955 UC₁ = 1982 DF₅ = 1982 DV₆

Discovered 1989 Jan. 29 by A. Mrkos at Klet.

Id. C. M. Bardwell (*MPC* 15562)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Bardwell | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 268.10026 | (2000.0) | | <i>P</i> | <i>Q</i> |
| <i>n</i> | 0.27395103 | ω | 75.46079 | +0.63155299 | -0.77510587 |
| <i>a</i> | 2.3479423 | Ω | 335.34424 | +0.69292289 | +0.57511224 |
| <i>e</i> | 0.1300390 | <i>i</i> | 2.57664 | +0.34784867 | +0.26164250 |
| <i>P</i> | 3.60 | <i>H</i> | 13.6 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 551020 760 | 0.0 | 2.4- | 890305 033 | 0.7- | 1.2+ | 911006 046 | 0.9- | 1.1- |
| 551020 760 | 1.9+ | 1.8- | 910909 801 | 0.3- | 0.5+ | 911008 801 | 0.1- | 0.3+ |
| 820222 010 | 0.8- | 0.3- | 910909 801 | 0.2- | 0.4+ | 911008 801 | 0.3- | 0.6+ |
| 820227 010 | 0.4+ | 0.4- | 910911 675 | 1.1+ | 0.3- | 911009 801 | 0.3- | 0.6+ |
| 890129 046 | 1.1- | 0.6+ | 910911 675 | 0.6- | 1.0- | 911009 801 | 0.0 | 0.4+ |
| 890129 046 | 0.4+ | 1.0- | 910913 675 | 0.8+ | 0.7+ | 930319 809 | 1.0+ | 1.0- |
| 890130 046 | 0.5+ | 0.4- | 910913 675 | 0.2+ | 1.1- | 930320 809 | 0.6+ | 0.4- |
| 890130 046 | 1.4+ | 0.6- | 910913 675 | (1.9- | 3.5-) | 930324 809 | 0.7+ | 0.4- |
| 890131 046 | 1.5+ | 1.8+ | 910913 675 | (0.7- | 4.7-) | 930415 691 | 1.4- | 1.0- |
| 890131 046 | (2.6+ | 2.6+) | 910914 675 | 0.3+ | 0.2+ | 930415 691 | 1.4- | 0.9- |
| 890204 071 | 1.2- | 0.8- | 910915 675 | 0.5- | 0.4- | 930415 691 | 1.5- | 0.7- |
| 890205 071 | (2.4- | 0.7+) | 910915 675 | 0.7+ | 0.4+ | 930417 413 | 0.8- | 0.5- |
| 890305 033 | 0.3- | 1.0+ | 911006 046 | (3.5- | 1.5-) | | | |

(5959)* 1989 NB₁ = 1949 MG

Discovered 1989 July 2 by E. F. Helin at Palomar.

Id. S. Nakano (*MPC* 15072)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Nakano | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 340.03539 | (2000.0) | | <i>P</i> | <i>Q</i> |
| <i>n</i> | 0.17359455 | ω | 146.68447 | +0.23369666 | +0.94837266 |
| <i>a</i> | 3.1825751 | Ω | 135.74029 | -0.94566213 | +0.27297077 |
| <i>e</i> | 0.1086424 | <i>i</i> | 17.89227 | -0.22607300 | -0.16148143 |
| <i>P</i> | 5.68 | <i>H</i> | 11.0 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------|-------|------------|------|-------|
| 490616 024 | 0.7+ | 1.4- | 900925 675 | 0.3- | 0.6- | 930226 801 | 0.0 | 0.4- |
| 490622 024 | 1.0- | 0.6+ | 900925 675 | 0.7+ | 1.3- | 930226 801 | 0.1- | 0.3- |
| 890702 675 | 1.7+ | 0.8+ | 901017 675 | 0.2- | 0.7- | 930320 801 | 0.2+ | 0.2+ |
| 890702 675 | 0.5+ | 0.6+ | 901017 675 | 0.1- | 0.6+ | 930320 801 | 0.2+ | 0.2+ |
| 890704 675 | 1.1+ | 1.6- | 911207 675 | (3.8- | 2.4-) | 940316 801 | 0.9- | 0.1- |
| 890809 675 | 0.1+ | 0.9- | 911207 675 | 1.0- | 1.4- | 940316 801 | (0.0 | 3.0-) |
| 890809 675 | 0.6+ | 0.4- | 930212 411 | 0.0 | 1.7- | 940408 801 | 0.5- | 0.2- |
| 890811 675 | 1.8- | 0.5- | 930223 596 | (1.6+ | 2.8-) | 940408 801 | 0.5- | 0.1- |
| 890811 675 | 1.1- | 0.2- | 930223 596 | 0.6- | 0.6+ | 940411 801 | 0.2- | 0.0 |
| 900923 675 | 0.7+ | 0.5+ | 930223 596 | (2.4+ | 3.4-) | | | |
| 900923 675 | 0.3- | 0.9- | 930223 596 | 1.7+ | 2.0- | | | |

(5960)* 1989 US = 1934 VK = 1973 YU₁ = 1976 UD₁

Discovered 1989 Oct. 21 by M. Mukai and M. Takeishi at Kagoshima.

Id. S. Nakano (*MPC* 15567)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | (2000.0) | | Nakano | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 193.05905 | | | P | Q |
| <i>n</i> | 0.30427668 | ω | 330.36962 | +0.96913412 | -0.24097700 |
| <i>a</i> | 2.1892243 | Ω | 43.67541 | +0.23841457 | +0.86235294 |
| <i>e</i> | 0.1539156 | <i>i</i> | 4.32257 | +0.06274996 | +0.44528362 |
| <i>P</i> | 3.24 | <i>H</i> | 13.6 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | |
|--------------------------|---|------------|------|------|------------------------|------|------|
| 341107 094 (90.9+ 95.2-) | X | 891028 364 | 0.6+ | 1.2- | 910419 801 | 0.7+ | 0.0 |
| 731220 095 (2.1+ 2.8+) | | 891030 807 | 1.0+ | 0.6+ | 920803 675 | 0.3+ | 0.5+ |
| 731221 095 1.6+ 0.1+ | | 891030 095 | 0.1+ | 0.2+ | 920803 675 | 0.7- | 0.1+ |
| 761022 026 1.1- 1.5+ | | 891030 095 | 1.4+ | 0.1+ | 920830 293 (2.0- 4.9-) | | |
| 761024 026 1.6- 0.6+ | | 891101 807 | 0.2+ | 0.5+ | 920830 293 (0.9- 7.0-) | | |
| 890928 675 0.9- 0.3- | | 891103 675 | 0.0 | 0.7+ | 920925 801 | 0.2- | 0.2+ |
| 890928 675 2.3- 2.3- | | 891103 675 | 0.4- | 0.9- | 920925 801 | 0.0 | 0.2+ |
| 890930 675 0.2+ 0.2+ | | 891104 675 | 0.3- | 0.5- | 920930 801 | 0.2+ | 0.0 |
| 890930 675 0.5- 0.4- | | 891104 675 | 0.0 | 1.1- | 920930 801 | 0.8+ | 0.3+ |
| 891021 364 1.8+ 1.0+ | | 891104 364 | 0.4- | 1.0- | 940216 010 | 1.7- | 0.3+ |
| 891021 364 1.1+ 0.4- | | 891104 364 | 0.3- | 1.6- | 940216 010 | 1.4- | 0.3- |
| 891023 364 0.1+ 1.0+ | | 891121 095 | 1.0- | 2.0+ | 940409 801 | 0.6+ | 0.3+ |
| 891023 364 0.0+ 0.9+ | | 891121 095 | 2.1- | 1.1+ | 940409 801 | 0.7+ | 0.7+ |
| 891026 364 1.1+ 0.0 | | 891124 675 | 0.7- | 0.0 | 940415 801 | 0.5+ | 0.5+ |
| 891026 364 1.5+ 0.2- | | 891124 675 | 0.9- | 0.0 | 940415 801 | 0.7+ | 0.7+ |
| 891028 364 0.3+ 0.0 | | 910419 801 | 0.4+ | 0.5+ | | | |

(5961)* 1989 YH₁ = 1953 FM₁ = 1979 FP₁ = 1983 GK₂

Discovered 1989 Dec. 30 by R. H. McNaught at Siding Spring.

Id. H. Kaneda (*MPC* 16031), G. V. Williams (*MPC* 21939)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | (2000.0) | | Williams | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 54.14296 | | | P | Q |
| <i>n</i> | 0.26462663 | ω | 201.63343 | -0.96992048 | -0.24285246 |
| <i>a</i> | 2.4027782 | Ω | 324.29858 | +0.22730890 | -0.87913869 |
| <i>e</i> | 0.1473631 | <i>i</i> | 1.63415 | +0.08709146 | -0.41004616 |
| <i>P</i> | 3.72 | <i>H</i> | 13.5 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | |
|--------------------------|---|------------|-------------|------------|--------------|------|------|
| 530319 210 (37.7+ 33.4+) | X | 880915 675 | (0.3- 3.0-) | 900217 887 | 1.4- | 0.1+ | |
| 530415 675 0.6+ 0.6+ | | 880915 675 | 0.3- | 1.2- | 900220 887 | 0.1- | 0.9+ |
| 530415 675 0.2- 0.4+ | | 891230 413 | 0.4- | 0.7+ | 900220 887 | 1.4- | 1.0+ |
| 540731 675 0.6- 0.0 | | 891230 413 | 2.0+ | 0.1- | 940302 596 | 0.7+ | 0.7+ |
| 540731 675 0.8+ 0.3- | | 891231 413 | 0.3- | 0.2- | 940302 596 | 0.5- | 2.4- |
| 760527 413 0.8- 0.5- | | 891231 413 | 1.9+ | 0.2+ | 940316 691 | 1.0- | 0.2- |
| 760527 413 0.7+ 0.4- | | 900121 403 | 0.9- | 0.8- | Y 940316 691 | 1.3- | 0.2- |
| 790323 095 2.0- 0.7- | | 900121 403 | 0.9+ | 0.9+ | 940316 691 | 1.1- | 0.3+ |
| 830410 095 1.2+ 0.3- | | 900123 403 | 0.4+ | 2.2- | Y 940408 801 | 0.2+ | 0.1+ |
| 830615 413 1.2+ 0.2+ | | 900123 403 | 1.3+ | 0.6- | 940408 801 | 0.5+ | 0.1+ |
| 830615 413 0.5- 0.3- | | 900127 887 | (3.5- 1.8+) | 940415 801 | 0.6+ | 0.8+ | |
| 880912 675 (5.7- 5.8-) | | 900127 887 | 1.2- | 1.2- | 940415 801 | 0.3+ | 0.6+ |
| 880912 675 (2.8- 3.3-) | | 900217 887 | 1.0+ | 1.1+ | | | |

(5962)* 1990 HK = 1982 JZ₄

Discovered 1990 Apr. 18 by T. Seki at Geisei.

Id. E. Bowell (*MPC* 21574), S. Nakano (*ibid.*)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | (2000.0) | | Nakano | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 64.60688 | | | P | Q |
| <i>n</i> | 0.23963145 | ω | 324.56737 | -0.94941231 | -0.30637868 |
| <i>a</i> | 2.5670845 | Ω | 197.97326 | +0.31399284 | -0.92963406 |
| <i>e</i> | 0.1124837 | <i>i</i> | 12.90370 | -0.00497616 | -0.20472572 |
| <i>P</i> | 4.11 | <i>H</i> | 12.4 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | |
|-------------------------|--|------------------------|------|------|------------|------|------|
| 540705 675 0.2- 0.9- | | 900430 372 | 0.1+ | 1.9- | 940313 372 | 1.5+ | 1.0+ |
| 540705 675 0.2+ 1.0- | | 900516 095 | 2.0- | 0.2- | 940313 372 | 2.6+ | 0.1+ |
| 820515 095 (5.2- 12.7+) | | 900518 095 (1.6- 3.6-) | | | 940406 691 | 1.0- | 0.4- |
| 820523 095 1.3+ 0.3+ | | 900518 095 (1.5+ 5.2-) | | | 940406 691 | 0.9- | 0.4- |
| 900327 675 0.3- 1.5- | | 900524 372 | 0.1- | 0.5+ | 940406 691 | 0.7- | 0.3- |
| 900417 095 0.1- 1.5+ | | 900525 372 | 0.6+ | 1.7+ | 940408 801 | 0.2- | 0.0 |
| 900417 095 2.5- 2.5- | | 900528 372 (3.6- 2.9+) | | | 940408 801 | 0.2- | 0.1- |
| 900418 372 2.2+ 1.6+ | | 921025 372 | 1.3- | 1.1- | 940415 801 | 0.1- | 0.9- |
| 900418 372 0.5- 1.4+ | | 921025 372 | 1.8+ | 1.4+ | 940415 801 | 0.1- | 0.9- |
| 900424 372 0.7+ 0.1+ | | 921221 372 | 1.1- | 0.9- | | | |
| 900429 372 (2.9- 2.9-) | | 921223 372 | 0.7+ | 1.0- | | | |

(5963)* 1990 QP₂ = 1990 SM₂₉ = 1971 SV₃ = 1971 UV₃ = 1983 EJ

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

Id. S. Nakano (*MPC* 17447), G. V. Williams (d, *MPC* 20926)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | (2000.0) | | Nakano | |
|----------|------------|----------|----------|-------------|-------------|
| <i>M</i> | 234.68633 | | | P | Q |
| <i>n</i> | 0.20536788 | ω | 62.25245 | +0.45143737 | -0.89230268 |
| <i>a</i> | 2.8452103 | Ω | 0.91201 | +0.80780754 | +0.40846303 |
| <i>e</i> | 0.0522001 | <i>i</i> | 1.71010 | +0.37901355 | +0.19223393 |
| <i>P</i> | 4.80 | <i>H</i> | 12.3 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | |
|------------------------|--|------------------------|------|------|------------|------|------|
| 540307 760 (4.9- 2.3-) | | 900829 675 (3.4+ 0.0) | | | 900924 809 | 0.1+ | 0.6+ |
| 540307 760 0.4+ 0.4- | | 900914 675 | 2.1- | 1.7- | 900930 809 | 0.2- | 0.1- |
| 710628 675 0.3- 0.5+ | | 900914 675 | 0.1- | 1.1- | 900930 809 | 0.2+ | 0.4+ |
| 710629 675 0.3- 0.6+ | | 900914 675 | 1.6- | 1.8- | 900930 809 | 0.6+ | 1.0+ |
| 710926 805 0.7+ 1.1+ | | 900914 675 | 0.3+ | 0.9- | 901022 675 | 0.6+ | 0.5+ |
| 711020 805 2.2- 1.0+ | | 900918 675 | 0.4- | 0.2+ | 901022 675 | 0.2+ | 0.8- |
| 711020 805 0.3- 0.1- | | 900918 675 | 0.7+ | 0.2- | 930321 809 | 0.5+ | 0.7+ |
| 830310 046 0.4- 0.3+ | | 900920 675 | 0.6- | 0.3- | 930322 809 | 1.2+ | 1.0+ |
| 830310 046 (0.0 4.3-) | | 900920 675 | 0.1+ | 1.0- | 930326 809 | 0.3- | 1.1+ |
| 830312 046 0.1- 1.2- | | 900923 809 | 0.4+ | 1.9+ | 930327 809 | 0.5+ | 0.9+ |
| 830312 046 (3.5- 2.5-) | | 900923 809 | 0.7+ | 1.8+ | 930416 413 | 0.0 | 1.1+ |
| 900824 675 0.8+ 0.2- | | 900923 809 | 0.7+ | 1.7+ | 930419 801 | 0.1- | 0.4+ |
| 900824 675 0.8+ 0.7- | | 900924 809 | 0.4- | 0.8+ | 930419 801 | 0.5- | 1.9- |
| 900829 675 0.7+ 1.5- | | 900924 809 | 0.2- | 0.7+ | | | |

(5964)* 1990 QN₄ = A915 TH = 1970 AD = 1979 OB₁₄ = 1982 DT₁

Discovered 1990 Aug. 23 by H. E. Holt at Palomar.

Id. G. V. Williams (*MPC* 17214)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | (2000.0) | | Williams | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 243.09067 | | | P | Q |
| <i>n</i> | 0.18264281 | ω | 211.35343 | +0.90768165 | -0.41960579 |
| <i>a</i> | 3.0765761 | Ω | 173.44563 | +0.39617069 | +0.85149513 |
| <i>e</i> | 0.2986426 | <i>i</i> | 3.36942 | +0.13842979 | +0.31446307 |
| <i>P</i> | 5.40 | <i>H</i> | 11.8 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 151010 024 | 2.1- | 1.3- | 900911 413 | 2.5- | 1.0- | 900916 809 | 0.0 | 0.7+ |
| 151014 024 | 2.2+ | 0.6+ | 900913 809 | 0.9- | 0.2+ | 900916 809 | 0.0 | 0.9+ |
| 700104 095 | 0.3+ | 1.2+ | 900913 809 | 0.3- | 0.0 | 900916 809 | 0.3- | 0.6+ |
| 790719 095 | 0.6+ | 1.4+ | 900913 809 | 0.2+ | 0.3+ | 900918 675 | 0.2- | 0.3- |
| 820224 801 | 0.6+ | 0.7- | 900914 809 | 0.1- | 1.0+ | 900918 675 | 1.0- | 1.6- |
| 900823 675 | 0.1- | 1.4- | 900914 809 | 0.1+ | 0.6+ | 900919 675 | 0.2- | 1.8- |
| 900823 675 | 0.9+ | 0.5+ | 900914 809 | 0.8+ | 0.9+ | 900919 675 | 0.4+ | 1.5- |
| 900827 675 | (0.1+ | 3.5-) | 900914 675 | 1.4+ | 0.5- | 900921 095 | 0.2+ | 0.0 |
| 900827 675 | 0.0 | 1.6- | 900914 675 | 0.6+ | 1.6- | 930319 809 | 0.3- | 0.9+ |
| 900828 095 | (2.7- | 2.0+) | 900915 809 | 0.2+ | 1.6+ | 930320 809 | 0.4- | 0.5+ |
| 900828 095 | 0.2- | 0.5+ | 900915 809 | 0.7+ | 1.7+ | 930324 809 | 0.5- | 0.5+ |
| 900911 413 | 1.6- | 0.1- | 900915 809 | 1.2+ | 1.7+ | 930417 413 | 0.3- | 0.6- |

(5965)* 1990 SV₁₅ = 1954 TE = 1986 TG₁₃ = 1986 VP₉

Discovered 1990 Sept. 16 by H. E. Holt at Palomar.

Id. G. V. Williams (*MPC* 22230)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|---------------|
| <i>M</i> | 245.20612 | (2000.0) | <i>Q</i> |
| <i>n</i> | 0.21783235 | ω 190.91840 | +0.56064762 |
| <i>a</i> | 2.7356118 | Ω 224.99682 | +0.76405756 |
| <i>e</i> | 0.0501855 | <i>i</i> 3.34810 | +0.31920259 |
| <i>P</i> | 4.52 | <i>H</i> 12.1 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|-------|-------|
| 541001 839 | 0.4- | 1.1+ | 900826 095 | 2.2+ | 2.0+ | 930321 809 | 0.6+ | 0.5+ |
| 861005 095 | 0.5+ | 0.4- | 900916 675 | 0.4- | 0.1- | 930322 809 | 0.7+ | 0.3+ |
| 861107 046 | 0.9- | 0.5+ | 900916 675 | 0.3+ | 0.7- | 930326 809 | 0.4- | 0.7+ |
| 861107 046 | 0.6+ | 0.9- | 900919 675 | 0.8+ | 0.6- | 930418 675 | 0.6- | 1.3- |
| 861109 046 | (5.6- | 0.3-) | 900919 675 | 0.4- | 1.2- | 930418 413 | (1.7- | 3.0+) |
| 861109 046 | (3.7- | 1.6-) | 900920 675 | 1.5- | 0.1+ | 930420 675 | 0.9- | 0.1+ |
| 900826 095 | 1.0+ | 0.4- | 900920 675 | 1.8- | 0.3+ | 930420 675 | 0.5+ | 0.4- |

(5966)* 1990 VS₆ = 1979 SV₁₃ = 1982 DH₄ = 1985 WN

Discovered 1990 Nov. 15 by T. Seki at Geisei.

Id. S. Nakano (*MPC* 18434)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Nakano | |
|----------|------------|--------------------|---------------|
| <i>M</i> | 324.88565 | (2000.0) | <i>Q</i> |
| <i>n</i> | 0.18804191 | ω 280.53437 | +0.89957284 |
| <i>a</i> | 3.0174004 | Ω 53.77648 | -0.37193048 |
| <i>e</i> | 0.0806479 | <i>i</i> 3.62432 | -0.22898998 |
| <i>P</i> | 5.24 | <i>H</i> 12.4 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|-------|-------|
| 790920 675 | 0.6- | 0.1+ | 901117 372 | 2.3- | 0.7+ | 920209 691 | 0.5- | 0.1+ |
| 790921 675 | 0.1+ | 1.0- | 901121 372 | 0.6- | 0.8+ | 920209 691 | 0.0 | 0.8- |
| 820220 033 | 0.6+ | 0.3+ | 901121 372 | (4.6- | 2.3+) | 920224 372 | (4.6+ | 2.9-) |
| 820220 033 | 0.7+ | 0.2+ | 901123 372 | 0.9+ | 0.7- | 920225 372 | (4.3+ | 0.5+) |
| 820220 033 | 0.6+ | 0.5+ | 901123 372 | 1.2+ | 0.3- | 930226 691 | 0.2- | 1.9- |
| 820221 033 | 0.5+ | 0.5+ | 901212 372 | 1.4+ | 0.9- | 930226 691 | 0.4+ | 0.8- |
| 820221 033 | 0.0 | 0.3+ | 901212 372 | 0.6+ | 0.4- | 930226 691 | 0.5+ | 1.2- |
| 851120 095 | (3.0+ | 0.3-) | 920129 691 | 0.4- | 0.4+ | 930319 809 | 1.4- | 0.7+ |
| 901115 372 | (1.3+ | 4.7+) | 920129 691 | 0.4- | 0.3+ | 930320 809 | 0.6- | 0.6- |
| 901115 372 | 0.9+ | 1.5- | 920129 691 | 0.8- | 0.8+ | 930324 809 | 1.2+ | 0.9- |
| 901117 372 | 0.8+ | 0.1+ | 920209 691 | (0.8+ | 3.6+) | 930418 413 | 1.9- | 0.5- |

(5967)* 1991 CM₅ = 1989 OK₁ = 1992 RC

Discovered 1991 Feb. 9 by C. S. Shoemaker at Palomar.

Id. G. V. Williams (*MPC* 20820, *MPC* 20929)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|---------------|
| <i>M</i> | 15.10510 | (2000.0) | <i>Q</i> |
| <i>n</i> | 0.36425324 | ω 109.79390 | -0.49678818 |
| <i>a</i> | 1.9417818 | Ω 125.92679 | -0.86680431 |
| <i>e</i> | 0.0552622 | <i>i</i> 24.10476 | +0.04303236 |
| <i>P</i> | 2.71 | <i>H</i> 13.8 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|--------|--------|------------|-------|-------|------------|------|------|
| 871030 413 | 0.4+ | 0.3+ | 910210 675 | (2.5- | 4.3+) | 940311 596 | 0.5+ | 1.6- |
| 871030 413 | (1.4+ | 3.4+) | 920902 413 | 0.1- | 0.9- | 940311 596 | 1.4- | 0.7- |
| 890729 675 | (10.9+ | 6.1-) | 920902 413 | 0.1+ | 1.3+ | 940311 596 | 0.3+ | 0.6- |
| 890729 675 | (33.7+ | 22.4+) | 920904 413 | 0.9- | 0.9- | 940312 801 | 0.0 | 0.5- |
| 910118 675 | 1.0- | 0.6+ | 920904 413 | 1.3+ | 0.4+ | 940312 801 | 0.0 | 0.2- |
| 910118 675 | 0.9- | 0.9- | 920905 413 | 0.5+ | 1.2- | 940321 801 | 0.2+ | 0.1+ |
| 910119 675 | 0.4+ | 0.8- | 920905 413 | 0.4+ | 1.2- | 940321 801 | 0.0 | 0.0 |
| 910119 675 | 1.4+ | 0.4- | 920906 413 | 0.5- | 0.5+ | 940409 801 | 0.4+ | 0.4+ |
| 910209 675 | 0.2+ | 0.6+ | 920906 413 | 0.5- | 0.3+ | 940409 801 | 0.1+ | 0.2+ |
| 910209 675 | 1.3- | 0.1- | 940207 801 | 0.5- | 0.3- | 940411 801 | 0.1+ | 0.6+ |
| 910210 675 | 0.5+ | 1.0+ | 940207 801 | 0.1- | 0.1+ | 940411 801 | 0.1- | 0.6+ |

(5968)* 1991 FC

Discovered 1991 Mar. 17 by E. F. Helin at Palomar.

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|---------------|
| <i>M</i> | 122.61997 | (2000.0) | <i>Q</i> |
| <i>n</i> | 0.37382659 | ω 334.44229 | -0.95293541 |
| <i>a</i> | 1.9084872 | Ω 189.02388 | +0.29710699 |
| <i>e</i> | 0.0256861 | <i>i</i> 23.72025 | -0.06034512 |
| <i>P</i> | 2.64 | <i>H</i> 13.3 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 890905 675 | 0.5- | 1.6- | 910413 675 | 0.5- | 0.3+ | 921004 675 | 0.0 | 0.6- |
| 890905 675 | 0.5+ | 1.1+ | 910413 675 | 1.1- | 1.0- | 921004 675 | 0.1- | 0.8- |
| 910317 675 | (1.9+ | 4.0-) | 910415 675 | 2.2- | 0.3- | 921031 808 | 0.3- | 0.2+ |
| 910318 675 | (5.0+ | 3.2-) | 910415 675 | 0.4- | 0.5- | 921031 808 | 0.1+ | 0.0 |
| 910318 675 | 0.1+ | 1.1- | 910416 675 | 0.5+ | 0.7- | 921124 675 | 0.9+ | 0.4- |
| 910409 675 | 1.5+ | 0.4- | 910508 675 | 0.6+ | 0.4- | 921124 675 | 0.1+ | 1.5+ |
| 910409 675 | 1.2+ | 0.1+ | 910508 675 | 1.1- | 1.9- | 921227 801 | 1.0+ | 0.1- |
| 910411 033 | 0.2- | 1.3+ | 920923 675 | (0.7+ | 3.0-) | 921227 801 | 0.2- | 0.6+ |
| 910411 033 | 0.9+ | 1.2- | 920923 675 | 0.4+ | 1.0- | 940316 801 | 0.4+ | 0.3- |
| 910411 033 | 0.6- | 1.2+ | 920925 675 | 0.5- | 1.4- | 940316 801 | 1.5- | 0.3- |
| 910411 033 | 0.2- | 1.4- | 920925 675 | 0.5+ | 0.2+ | 940411 801 | 0.3- | 0.0 |
| 910412 675 | 0.5+ | 1.3+ | 920930 675 | 0.6- | 0.8- | 940412 801 | 1.3+ | 0.6+ |
| 910412 675 | 0.8+ | 0.1+ | 920930 675 | 0.8- | 0.6- | 940412 801 | 0.2+ | 0.4- |

(5969)* 1991 FT = 1985 UG = 1992 SL₁₂

Discovered 1991 Mar. 17 by T. Seki at Geisei.

Id. S. Nakano (*MPC* 21110)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| M | | (2000.0) | | P | | Q | | Nakano | |
|----------|------------|----------|-----------|-------------|-------------|---|--|--------|--|
| <i>n</i> | 0.27839711 | ω | 291.14511 | +0.43994085 | +0.89795539 | | | | |
| <i>a</i> | 2.3228771 | Ω | 4.99895 | -0.76818952 | +0.38283330 | | | | |
| <i>e</i> | 0.1240387 | <i>i</i> | 7.46490 | -0.46512032 | +0.21705939 | | | | |
| <i>P</i> | 3.54 | <i>H</i> | 13.5 | <i>G</i> | 0.15 | | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|--------|--------|------------|-------|-------|------------|------|------|
| 851020 688 | 1.2+ | 1.0- | 910403 372 | 2.0- | 0.6- | 921002 400 | 1.3- | 0.4- |
| 851020 688 | 0.1- | 1.0- | 910403 372 | 0.7- | 0.0 | 940121 372 | 1.7- | 1.2+ |
| 910309 675 | 0.8+ | 1.1- | 910409 372 | 1.7+ | 1.2+ | 940121 372 | 0.7- | 0.7+ |
| 910309 675 | 1.1+ | 0.8- | 910409 372 | (3.7+ | 1.4+) | 940207 372 | 2.0+ | 0.9- |
| 910317 372 | (5.1+ | 1.0-) | 910416 372 | (0.6+ | 5.6+) | 940207 372 | 1.7+ | 1.2+ |
| 910317 372 | 0.7- | 0.6+ | 910416 372 | (2.9- | 4.9+) | 940404 675 | 0.9- | 2.0- |
| 910319 372 | (76.4- | 11.3+) | 920921 400 | 0.2+ | 0.2+ | 940404 675 | 0.5+ | 2.3- |
| 910319 372 | 2.1- | 0.7- | 920921 400 | 0.4- | 0.0 | 940405 675 | 0.4- | 1.1+ |
| 910319 372 | 1.4- | 0.0 | 920926 046 | (4.0- | 0.1+) | 940405 675 | 0.1- | 0.4- |
| 910320 372 | 2.1+ | 1.8- | 920926 046 | (3.8- | 0.1+) | 940406 675 | 0.1+ | 1.4+ |
| 910320 372 | (8.6+ | 1.5-) | 921001 400 | 0.7- | 0.4- | 940406 675 | 0.3- | 0.5+ |
| 910320 372 | 0.4+ | 1.4+ | 921001 400 | 1.4+ | 0.3+ | | | |
| 910320 372 | (4.9+ | 1.7+) | 921002 400 | 0.7+ | 0.6+ | | | |

(5970)* 1991 JS₁ = 1978 NS₂ = 1982 UP₇ = 1988 RM₆

Discovered 1991 May 13 by K. Watanabe at Sapporo.

Id. H. Kaneda (*MPC* 18639)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| M | | (2000.0) | | P | | Q | | Nakano | |
|----------|------------|----------|-----------|-------------|-------------|---|--|--------|--|
| <i>n</i> | 0.30134307 | ω | 166.22728 | +0.32502770 | +0.94357184 | | | | |
| <i>a</i> | 2.2034096 | Ω | 122.70540 | -0.87465412 | +0.32545522 | | | | |
| <i>e</i> | 0.1631984 | <i>i</i> | 4.32624 | -0.35963476 | +0.06124610 | | | | |
| <i>P</i> | 3.27 | <i>H</i> | 13.6 | <i>G</i> | 0.15 | | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|-------|-------|
| 780709 095 | 0.1- | 0.8+ | 910521 392 | 1.0- | 1.4+ | 921202 658 | 1.5- | 0.5- |
| 780711 095 | 0.5- | 0.5+ | 910521 392 | 0.1+ | 0.7+ | 921202 658 | 1.6- | 0.1- |
| 821021 095 | 1.5+ | 1.3+ | 910521 392 | 1.0+ | 0.4+ | 940316 801 | 0.2+ | 1.0- |
| 880907 809 | 0.2- | 0.7- | 910602 392 | 0.1- | 2.0+ | 940316 801 | 0.6+ | 0.2+ |
| 880907 809 | 0.3+ | 0.7- | 910602 392 | 1.1- | 1.6+ | 940318 596 | 0.8+ | 1.2- |
| 880907 809 | 0.6+ | 0.6- | 910606 809 | 2.1+ | 0.3- | 940318 596 | 0.1+ | 0.3+ |
| 880908 809 | 0.2+ | 0.0 | 910606 809 | 2.0+ | 0.6- | 940321 801 | 0.6+ | 0.8+ |
| 880908 809 | 0.5+ | 0.0 | 910606 809 | 1.0+ | 0.4+ | 940321 801 | 0.2+ | 0.0 |
| 880908 809 | 0.8+ | 0.2+ | 910608 809 | 0.9- | 0.3- | 940331 400 | (0.5+ | 2.9-) |
| 880909 809 | 0.6+ | 1.4- | 910608 809 | 0.8- | 1.4- | 940331 400 | 1.0- | 2.1- |
| 880909 809 | 0.7+ | 1.3- | 910608 809 | 0.8- | 1.0- | 940405 400 | 0.1+ | 1.9- |
| 880909 809 | 0.7+ | 1.0- | 910608 392 | 1.2- | 0.4- | 940405 400 | 0.2- | 1.7- |
| 880911 809 | 0.2+ | 0.1- | 910608 392 | 0.5- | 0.3+ | 940408 400 | 0.9+ | 1.2- |
| 880911 809 | 0.0 | 0.3- | 910608 392 | 0.3+ | 0.1- | 940408 400 | 1.0- | 0.1+ |
| 880911 809 | 0.2+ | 0.4- | 910608 392 | 0.0 | 0.0 | 940411 801 | 0.3- | 0.8- |
| 910513 392 | 1.5- | 0.6+ | 910609 400 | 0.1+ | 0.3+ | 940411 801 | 0.2+ | 0.3- |
| 910513 392 | (1.2- | 3.7+) | 910609 400 | 1.2- | 0.5+ | 940415 801 | 0.1- | 0.5- |
| 910521 392 | 0.9- | 0.4+ | 921202 658 | 1.4- | 1.1- | 940415 801 | 0.1+ | 0.3- |

(5971)* 1991 NT₂ = 1953 LJ = 1957 LB = 1981 DY₃

Discovered 1991 July 12 by H. E. Holt at Palomar.

Id. G. V. Williams (*MPC* 20821)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| M | | (2000.0) | | P | | Q | | Williams | |
|----------|------------|----------|-----------|-------------|-------------|---|--|----------|--|
| <i>n</i> | 0.23510185 | ω | 0.59614 | +0.36212228 | +0.91049255 | | | | |
| <i>a</i> | 2.5999522 | Ω | 290.64824 | -0.85609379 | +0.24012080 | | | | |
| <i>e</i> | 0.1654945 | <i>i</i> | 12.32073 | -0.36874228 | +0.33666796 | | | | |
| <i>P</i> | 4.19 | <i>H</i> | 11.9 | <i>G</i> | 0.15 | | | | |

Residuals in seconds of arc (or two decimals in units of degrees)

| | | | | | | | | |
|------------|--------|--------|--------------|------|------|------------|------|------|
| 530612 078 | 0.2+ | 0.1- | 910912 675 | 0.1- | 0.6- | 930119 801 | 0.3- | 0.4- |
| 570602 076 | (0.06- | 0.01+) | X 921125 675 | 0.3+ | 1.2- | 930119 801 | 0.3+ | 0.1- |
| 810223 095 | 0.8- | 0.7+ | 921125 675 | 0.4- | 1.6- | 930121 801 | 0.0 | 0.2+ |
| 910712 675 | 1.3- | 0.1+ | 921127 675 | 0.8+ | 0.8- | 930121 801 | 0.1- | 0.3+ |
| 910712 675 | 0.4- | 0.2+ | 921225 801 | 0.1- | 0.7+ | 940312 801 | 1.0- | 0.6- |
| 910718 675 | 0.4+ | 0.9- | 921225 801 | 0.1- | 0.7+ | 940312 801 | 0.3- | 1.3- |
| 910718 675 | 0.1+ | 0.5- | 921227 801 | 0.1+ | 1.2+ | 940409 801 | 0.2+ | 0.5- |
| 910912 675 | 2.0+ | 0.5- | 921227 801 | 0.1- | 0.2+ | 940409 801 | 0.0 | 0.3- |

(5972)* 1991 PS₁₂ = 1974 UF = 1987 SU₂ = 1987 SJ₂₉ = 1990 KM₃

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

Id. G. V. Williams (*MPC* 22232), S. Nakano (d, *ibid.*)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| M | | (2000.0) | | P | | Q | | Williams | |
|----------|------------|----------|-----------|-------------|-------------|---|--|----------|--|
| <i>n</i> | 0.22440084 | ω | 323.47671 | -0.46163012 | -0.88062430 | | | | |
| <i>a</i> | 2.6819647 | Ω | 153.51819 | +0.85998522 | -0.47379572 | | | | |
| <i>e</i> | 0.0797719 | <i>i</i> | 13.85271 | +0.21753864 | +0.00429631 | | | | |
| <i>P</i> | 4.39 | <i>H</i> | 11.9 | <i>G</i> | 0.15 | | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 741024 095 | 0.2- | 1.9- | 910807 809 | 1.6- | 2.3- | 940312 801 | 0.5- | 0.3- |
| 870919 071 | 0.1- | 2.1+ | 910808 675 | 0.7+ | 0.3+ | 940312 801 | 0.4- | 0.1- |
| 870920 071 | (0.5- | 3.5-) | 910808 675 | 0.8+ | 0.8- | 940316 801 | 0.1- | 0.4- |
| 870924 095 | 1.1+ | 2.0+ | 910912 675 | 0.5+ | 0.2+ | 940316 801 | 0.1- | 0.2+ |
| 900524 095 | 0.6+ | 0.7- | 910912 675 | 0.0 | 0.3- | 940411 801 | 0.3- | 0.8- |
| 900524 095 | 0.2+ | 0.9+ | 921126 675 | 0.6+ | 0.1+ | 940411 801 | 0.3- | 0.9- |
| 910805 675 | 1.1+ | 0.2- | 921126 675 | 0.6- | 0.7- | 940415 801 | 0.2+ | 0.6- |
| 910807 809 | 0.8- | 1.2- | 921128 675 | 0.0 | 1.1- | 940415 801 | 0.0 | 0.6- |
| 910807 809 | 1.2- | 1.5- | 921128 675 | 0.4+ | 1.9- | | | |

(5973)* 1991 QC = 1987 SN₁₇

Discovered 1991 Aug. 17 by S. Otomo at Kiyosato.

Id. H. Kaneda (*MPC* 19032)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| M | | (2000.0) | | P | | Q | | Williams | |
|----------|------------|----------|-----------|-------------|-------------|---|--|----------|--|
| <i>n</i> | 0.24073063 | ω | 58.18870 | +0.30372326 | +0.95154554 | | | | |
| <i>a</i> | 2.5592644 | Ω | 229.57042 | -0.89410936 | +0.26722479 | | | | |
| <i>e</i> | 0.1603537 | <i>i</i> | 3.62263 | -0.32912101 | +0.15215781 | | | | |
| <i>P</i> | 4.09 | <i>H</i> | 12.9 | <i>G</i> | 0.15 | | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------|-------|------------|------|------|
| 511128 675 | 0.2- | 0.1+ | 910831 894 | 0.1+ | 0.7+ | 921202 658 | 0.3- | 0.6- |
| 511128 675 | 0.0 | 0.2+ | 910831 894 | 0.0 | 0.2+ | 921202 658 | 0.1- | 0.6- |
| 870916 095 | 0.9- | 1.0+ | 910909 894 | 0.4+ | 0.1- | 940310 894 | 1.0+ | 0.1- |
| 870917 095 | 1.1+ | 0.4+ | 910909 894 | 1.3+ | 0.2+ | 940310 894 | 1.1- | 0.6- |
| 870923 095 | 0.3+ | 0.1- | 910914 675 | 0.3+ | 0.9- | 940408 801 | 0.5- | 0.4- |
| 910808 675 | 0.4- | 1.2- | 910914 675 | 0.2+ | 0.4- | 940408 801 | 0.3- | 0.6- |
| 910808 675 | 0.5- | 1.2- | 910928 894 | (3.0+ | 1.5+) | 940415 801 | 0.0 | 0.2- |

910817 894 1.1- 0.8- 910928 894 0.7+ 0.5- 940415 801 0.2+ 0.1-
 910817 894 0.6- 0.8+ 921202 658 0.2+ 0.2-

(5974)* 1991 UZ₂ = 1982 BJ₉ = 1986 WZ₁ = 1988 CO₃ = 1990 RT₆

Discovered 1991 Oct. 31 by S. Ueda and H. Kaneda at Kushiro.

Id. H. Kaneda (*MPC* 19514)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 23.38257 | (2000.0) | | P | Q |
| <i>n</i> | 0.17829257 | ω | 48.59444 | -0.89135562 | +0.45314750 |
| <i>a</i> | 3.1264193 | Ω | 158.34315 | -0.42495318 | -0.82615015 |
| <i>e</i> | 0.1570215 | <i>i</i> | 1.85358 | -0.15779715 | -0.33486307 |
| <i>P</i> | 5.53 | <i>H</i> | 11.7 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------------|------|------------|-------------|------|------------|------|------|
| 550421 675 | 0.7- | 0.7- | 900913 809 | 0.5+ | 0.7- | 930127 801 | 0.5- | 0.2- |
| 550421 675 | 0.7- | 0.8- | 900913 809 | 0.6+ | 0.6- | 930127 801 | 0.6- | 0.3- |
| 820119 095 | (3.1+ 0.8+) | | 900913 809 | 1.0+ | 0.5- | 940312 801 | 0.2+ | 0.1+ |
| 861129 046 | 0.1- | 0.4- | 900914 809 | 1.5+ | 1.4- | 940312 801 | 0.3- | 0.3- |
| 861129 046 | 1.1+ | 0.4- | 900914 809 | 1.8+ | 1.4- | 940316 801 | 0.2- | 0.1+ |
| 880213 809 | 0.6- | 0.8- | 900914 809 | 2.0+ | 1.4- | 940316 801 | 1.1- | 0.7+ |
| 880213 809 | 0.4- | 2.2- | 911031 399 | 1.1- | 0.2- | 940404 596 | 0.1+ | 0.1- |
| 880213 809 | 0.3- | 1.3- | 911031 399 | 0.6- | 0.8- | 940404 596 | 1.3- | 1.1+ |
| 880217 809 | 2.3+ | 0.2- | 911104 399 | (2.7- 0.5+) | | 940404 596 | 0.2+ | 1.0+ |
| 880217 809 | 2.1+ | 0.2- | 911104 399 | 2.2- | 1.8+ | 940404 596 | 0.4+ | 0.5+ |
| 900911 809 | 0.3+ | 0.0 | 911109 399 | 1.0- | 1.0+ | 940408 801 | 0.1+ | 0.6+ |
| 900911 809 | 0.5+ | 0.0 | 911109 399 | 2.0- | 0.2+ | 940408 801 | 0.4- | 0.4+ |
| 900911 809 | 0.6+ | 0.0 | 930120 801 | 0.2+ | 0.2+ | 940411 801 | 0.4+ | 0.8- |
| 900912 809 | 1.0- | 0.6+ | 930120 801 | 0.1+ | 0.3- | 940411 801 | 0.1+ | 0.5- |
| 900912 809 | 0.7- | 0.7+ | 930122 399 | 0.2- | 0.1+ | | | |
| 900912 809 | 0.7- | 0.7+ | 930122 399 | 0.1+ | 0.4- | | | |

(5975)* 1992 SG = 1970 FD = 1984 SJ₅ = 1986 EA₁

Discovered 1992 Sept. 21 by K. Endate and K. Watanabe at Kitami.

Id. S. Nakano (*MPC* 21115), A. Lowe (*ibid.*)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Nakano | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 105.11199 | (2000.0) | | P | Q |
| <i>n</i> | 0.24180812 | ω | 84.54265 | +0.10413316 | -0.99456040 |
| <i>a</i> | 2.5516560 | Ω | 359.46182 | +0.77910787 | +0.08309123 |
| <i>e</i> | 0.0917389 | <i>i</i> | 14.97690 | +0.61818056 | +0.06281286 |
| <i>P</i> | 4.08 | <i>H</i> | 12.5 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------------|------|------------|------|------|------------|------|------|
| 700331 095 | 0.8- | 0.9- | 920923 400 | 1.1+ | 1.0- | 921226 801 | 0.7- | 0.5+ |
| 840927 675 | 0.0 | 0.8+ | 920930 400 | 0.2- | 0.8- | 940313 801 | 0.1- | 0.1+ |
| 840927 675 | 0.9+ | 2.3- | 920930 400 | 1.1- | 1.7+ | 940313 801 | 0.1- | 0.0 |
| 860305 688 | 0.4- | 0.0 | 921001 675 | 0.9+ | 0.4+ | 940321 801 | 0.0 | 0.2- |
| 860305 688 | 0.3- | 0.2+ | 921003 675 | 1.5- | 0.5- | 940321 801 | 0.3- | 0.5- |
| 860312 809 | 0.2+ | 1.3- | 921003 675 | 2.5- | 1.9- | 940409 801 | 0.3+ | 0.3+ |
| 920921 400 | 0.7+ | 0.1- | 921004 675 | 2.6+ | 0.7+ | 940409 801 | 0.5+ | 0.6+ |
| 920921 400 | (3.4- 0.1+) | | 921004 675 | 1.6+ | 0.5+ | 940415 801 | 0.1- | 0.4+ |
| 920923 400 | 0.8- | 0.3+ | 921226 801 | 0.5- | 0.5+ | 940415 801 | 0.1- | 0.0 |

(5976)* 1992 SR₂ = 1942 EG₁ = 1979 SW₁₀ = 1986 GS₁

Discovered 1992 Sept. 25 at the Oak Ridge Observatory.

Id. G. V. Williams (*MPC* 21117)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 269.14550 | (2000.0) | | P | Q |
| <i>n</i> | 0.22455560 | ω | 235.62922 | -0.29156824 | +0.95392498 |
| <i>a</i> | 2.6807323 | Ω | 17.82894 | -0.78401993 | -0.19590975 |
| <i>e</i> | 0.1412973 | <i>i</i> | 13.37339 | -0.54799700 | -0.22725869 |
| <i>P</i> | 4.39 | <i>H</i> | 11.9 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------------|------|------------|------|------|------------|------|------|
| 420314 062 | 0.3- | 1.3+ | 921001 801 | 0.4+ | 0.1+ | 921223 801 | 0.2- | 0.3+ |
| 420314 062 | 2.3+ | 0.8- | 921022 801 | 0.1+ | 0.4+ | 921227 801 | 0.1- | 0.5+ |
| 420317 062 | 0.9- | 1.1+ | 921022 801 | 0.4- | 0.3+ | 921227 801 | 0.2- | 0.8+ |
| 790929 095 | (3.4+ 8.0-) | | 921028 801 | 0.4- | 0.4- | 940312 801 | 0.0 | 0.1+ |
| 860408 054 | 0.7- | 0.9- | 921028 801 | 0.4- | 0.3- | 940409 801 | 0.3+ | 1.1- |
| 920925 801 | 0.2- | 0.0 | 921121 801 | 0.3+ | 0.6- | 940409 801 | 0.4+ | 0.4- |
| 920925 801 | 0.0 | 0.1+ | 921121 801 | 0.3+ | 1.1- | 940415 801 | 0.3- | 0.2- |
| 920930 801 | 0.5- | 0.0 | 921129 801 | 0.6+ | 0.0 | 940415 801 | 0.6- | 0.3+ |
| 920930 801 | 0.3- | 0.0 | 921129 801 | 0.9+ | 0.0 | | | |
| 921001 801 | 0.1+ | 0.2+ | 921222 801 | 0.4- | 0.6+ | | | |

(5977)* 1992 TH₁ = 1949 CD = 1953 AM = 1955 OD = 1959 NO = 1982 DP₄

Discovered 1992 Oct. 1 by H. E. Holt at Palomar.

Id. G. V. Williams (*MPC* 21271)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 166.05892 | (2000.0) | | P | Q |
| <i>n</i> | 0.24256887 | ω | 240.30558 | +0.89229970 | -0.42373590 |
| <i>a</i> | 2.5463182 | Ω | 144.10697 | +0.44778664 | +0.87456582 |
| <i>e</i> | 0.1535266 | <i>i</i> | 15.40332 | -0.05734436 | +0.23575942 |
| <i>P</i> | 4.06 | <i>H</i> | 11.6 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|----------------|------|------------|------|------|------------|------|------|
| 490201 012 | 0.8+ | 1.8+ | 820220 033 | 1.3+ | 1.0- | 921025 675 | 0.3- | 0.6+ |
| 490203 012 | 1.8+ | 2.6- | 921001 675 | 0.1+ | 0.2- | 940127 596 | 0.8- | 2.2- |
| 530109 675 | 1.5- | 0.5+ | 921001 675 | 0.3+ | 0.3+ | 940127 596 | 0.1+ | 0.7- |
| 530109 675 | 1.2- | 0.3+ | 921004 675 | 0.3- | 1.4- | 940408 801 | 1.1- | 0.1- |
| 550728 760 | 0.0 | 1.3- | 921004 675 | 0.9+ | 0.8- | 940408 801 | 1.1- | 0.1- |
| 550728 760 | 0.6- | 1.8- | 921020 675 | 0.4+ | 0.1- | 940415 801 | 1.0- | 0.1+ |
| 590712 760 | (52.5- 72.9-)X | | 921020 675 | 0.9+ | 0.6- | 940415 801 | 0.6- | 0.5- |
| 820220 033 | 1.9+ | 1.3- | 921025 675 | 0.4- | 0.2- | | | |

(5978)* 1992 WT = 1951 JD₁ = 1951 KU = 1964 ET = 1974 FP₁ = 1977 CW₂ = 1978 OT = 1982 UZ₆ = 1982 VB₅ = 1984 DK₃ = 1984 JE₂ = 1987 AW

Discovered 1992 Nov. 16 by K. Endate and K. Watanabe at Kitami.

Id. S. Nakano (*MPC* 21593)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Nakano | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 341.23599 | (2000.0) | | P | Q |
| <i>n</i> | 0.29594591 | ω | 204.75669 | -0.11450675 | +0.98844937 |
| <i>a</i> | 2.2301179 | Ω | 58.80773 | -0.89102400 | -0.05799988 |
| <i>e</i> | 0.1121521 | <i>i</i> | 6.66449 | -0.43927718 | -0.14001374 |
| <i>P</i> | 3.33 | <i>H</i> | 12.7 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|---------------|------|------------|------|------|------------|------|------|
| 510514 760 | 0.7+ | 1.3+ | 870108 010 | 1.0+ | 0.0 | 940312 801 | 0.0 | 0.0 |
| 510514 760 | (3.5+ 0.9+) | | 921116 400 | 1.7- | 1.0- | 940312 400 | 0.4+ | 1.3- |
| 510527 711 | (32.1+ 1.4-)Y | | 921116 400 | 1.5+ | 0.2+ | 940312 400 | 2.0+ | 0.2+ |

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|-------|-------|--------|-----|------|------|
| 640311 | 033 | 2.3- | 0.2+ | 921117 | 400 | 1.0- | 1.4- | 940314 | 400 | 1.0+ | 1.8+ |
| 640312 | 033 | 0.4+ | 1.5- | 921117 | 400 | 0.8- | 0.6- | 940314 | 400 | 0.2+ | 0.5- |
| 740321 | 095 | 0.3- | 1.0+ | 921118 | 399 | 1.2- | 2.1+ | 940318 | 400 | 1.4+ | 0.5+ |
| 770212 | 675 | 0.1+ | 0.3- | 921118 | 399 | 0.4- | 0.0 | 940318 | 400 | 1.6- | 1.1- |
| 770213 | 675 | 0.5+ | 0.4- | 921121 | 399 | 0.8- | 1.6+ | 940321 | 801 | 0.1- | 0.0 |
| 780731 | 808 | 0.2- | 0.2- | 921121 | 399 | 2.0- | 1.4+ | 940321 | 801 | 0.2+ | 0.1- |
| 780731 | 808 | 0.9+ | 1.1+ | 921125 | 675 | 0.2+ | 0.6- | 940330 | 400 | 0.6- | 0.1- |
| 821021 | 095 | 0.3+ | 1.3+ | 921125 | 675 | 0.1- | 0.4- | 940330 | 400 | 1.2+ | 0.7- |
| 821112 | 095 | 0.1- | 0.8- | 921127 | 400 | 1.0- | 0.2- | 940405 | 400 | 2.2- | 0.2+ |
| 821114 | 381 | 0.6+ | 0.0 | 921127 | 400 | 1.9+ | 0.5- | 940405 | 400 | 1.9- | 0.0 |
| 821114 | 381 | 0.2- | 0.1+ | 921128 | 675 | 0.7+ | 1.4+ | 940409 | 801 | 0.3+ | 0.8+ |
| 840227 | 095 | 1.2+ | 1.6+ | 921128 | 675 | 0.1- | 0.7- | 940409 | 801 | 0.1+ | 0.7+ |
| 840503 | 095 | 2.4- | 0.0 | 921215 | 400 | (3.1- | 0.5+) | 940415 | 801 | 0.2+ | 0.2- |
| 870108 | 010 | 1.3+ | 0.9+ | 921215 | 400 | 1.7+ | 1.4- | 940415 | 801 | 0.1- | 0.0 |
| 870108 | 010 | 1.8+ | 0.7- | 940312 | 801 | 0.2+ | 0.1- | | | | |

(5979)* 1992 XF = 1962 CD = 1980 PC₄ = 1983 BJ

Discovered 1992 Dec. 15 by S. Ueda and H. Kaneda at Kushiro.

Id. S. Nakano (*MPC* 21598)

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | Nakano | |
|---|------------|--------------------|---------------|
| <i>M</i> | 55.93946 | (2000.0) | |
| <i>n</i> | 0.18662151 | ω 222.85775 | -0.76711803 |
| <i>a</i> | 3.0326916 | Ω 278.23206 | +0.62647453 |
| <i>e</i> | 0.0920408 | <i>i</i> 10.37836 | +0.13805647 |
| <i>P</i> | 5.28 | <i>H</i> 12.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|-------|-------|--------|-----|-------|-------|--------|-----|------|------|
| 620204 | 760 | 0.6+ | 1.1+ | 921121 | 400 | 2.1+ | 0.5+ | 940304 | 399 | 0.4+ | 0.4+ |
| 620204 | 760 | 1.2- | 0.2- | 921121 | 400 | 0.4+ | 0.4- | 940304 | 399 | 0.8- | 0.6+ |
| 800804 | 675 | 0.6+ | 0.6- | 921215 | 399 | (1.4+ | 2.9+) | 940311 | 399 | 0.3+ | 1.1+ |
| 800805 | 675 | 0.3+ | 0.3- | 921215 | 399 | 1.6- | 0.0 | 940311 | 399 | 1.9- | 0.9+ |
| 830122 | 688 | 1.6+ | 1.4- | 921217 | 399 | 0.4- | 0.4- | 940409 | 801 | 0.2+ | 0.5+ |
| 830122 | 688 | 0.0 | 0.8- | 921217 | 399 | 1.6- | 0.6+ | 940409 | 801 | 0.9+ | 0.0 |
| 830215 | 688 | (1.3+ | 3.3-) | 940215 | 675 | 0.4+ | 1.4- | 940415 | 801 | 0.0 | 0.5+ |
| 830215 | 688 | (0.9+ | 3.1-) | 940215 | 675 | 0.1+ | 2.6- | 940415 | 801 | 0.6- | 0.1+ |

(5980)* 1993 FP₂ = 1930 UJ₁ = 1974 SY₁ = 1991 XN₂

Discovered 1993 Mar. 26 by S. Ueda and H. Kaneda at Kushiro.

Id. S. Nakano (*MPC* 22409)

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | Nakano | |
|---|------------|--------------------|---------------|
| <i>M</i> | 323.30341 | (2000.0) | |
| <i>n</i> | 0.29147362 | ω 25.13243 | +0.96702381 |
| <i>a</i> | 2.2528721 | Ω 349.58490 | +0.22111106 |
| <i>e</i> | 0.1513447 | <i>i</i> 3.78132 | +0.12639163 |
| <i>P</i> | 3.38 | <i>H</i> 13.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|-------|-------|--------|-----|------|------|
| 301016 | 008 | 0.4+ | 1.0- | 930319 | 809 | (1.5- | 4.3+) | 930329 | 399 | 0.4+ | 0.3+ |
| 301017 | 008 | 0.5+ | 0.9- | 930320 | 809 | (0.3- | 3.1+) | 930415 | 399 | 2.2- | 0.7- |
| 740919 | 095 | 2.2- | 0.8+ | 930320 | 400 | 0.7- | 1.1+ | 930415 | 399 | 0.1- | 0.2+ |
| 740922 | 095 | 0.9+ | 1.9+ | 930320 | 400 | 0.9- | 0.5- | 930417 | 413 | 0.9+ | 0.4+ |
| 911204 | 399 | 0.2+ | 0.8- | 930324 | 809 | 1.7+ | 0.6+ | 930419 | 399 | 1.5+ | 0.4- |
| 911204 | 399 | 0.6+ | 0.5- | 930326 | 399 | 1.1- | 0.2- | 930419 | 399 | 1.5+ | 0.4+ |
| 911207 | 399 | 0.3+ | 0.2+ | 930326 | 399 | 0.5- | 1.1- | | | | |
| 911207 | 399 | 1.1- | 1.2+ | 930329 | 399 | 0.1+ | 0.9+ | | | | |

(5981)* 2140 P-L = 1983 SU = 1992 SX₂

Discovered 1960 Sept. 24 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Id. G. V. Williams (*MPC* 21120)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | Williams | |
|---|------------|--------------------|---------------|
| <i>M</i> | 147.78428 | (2000.0) | |
| <i>n</i> | 0.21475056 | ω 2.57867 | +0.99908164 |
| <i>a</i> | 2.7617213 | Ω 355.05121 | -0.04181710 |
| <i>e</i> | 0.2199934 | <i>i</i> 10.32825 | -0.00933812 |
| <i>P</i> | 4.59 | <i>H</i> 12.9 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 600924 | 675 | 0.7+ | 0.6- | 601022 | 675 | 0.0 | 0.4+ | 920925 | 691 | 0.0 | 0.3+ |
| 600924 | 675 | 0.1- | 1.4- | 601024 | 675 | 1.2- | 0.4+ | 920925 | 691 | 0.2- | 0.3+ |
| 600926 | 675 | 0.2+ | 0.3- | 601026 | 675 | 0.1+ | 0.1- | 920928 | 399 | 0.6- | 1.1- |
| 600926 | 675 | 0.5+ | 0.6- | 830917 | 095 | 1.0- | 1.6+ | 920928 | 399 | 0.4- | 0.2+ |
| 600928 | 675 | 0.3+ | 0.6- | 920924 | 691 | 0.2+ | 0.3+ | 940304 | 033 | 0.2+ | 0.5+ |
| 600928 | 675 | 0.1- | 0.6+ | 920924 | 691 | 0.3+ | 0.2+ | 940304 | 033 | 0.6+ | 0.0 |
| 600929 | 675 | 0.1+ | 0.2- | 920924 | 691 | 0.1+ | 0.3+ | 940406 | 675 | 0.7- | 0.3+ |
| 600929 | 675 | 0.7+ | 0.5+ | 920925 | 691 | 0.3+ | 0.1+ | 940406 | 675 | 0.4- | 0.9- |

(5982)* 4862 T-1 = 1978 TK₂ = 1980 FN₆ = 1987 SV₉ = 1989 EM₁ = 1992 WO₁

Discovered 1971 May 13 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Id. S. Nakano (*MPC* 21602)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | Nakano | |
|---|------------|--------------------|---------------|
| <i>M</i> | 100.29139 | (2000.0) | |
| <i>n</i> | 0.21554366 | ω 292.62363 | -0.46854276 |
| <i>a</i> | 2.7549426 | Ω 185.42661 | +0.86543412 |
| <i>e</i> | 0.1976007 | <i>i</i> 11.33587 | +0.17745832 |
| <i>P</i> | 4.57 | <i>H</i> 12.7 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|-------|-------|--------|-----|------|------|
| 710416 | 675 | 2.1+ | 1.3- | 870921 | 071 | (6.8- | 2.8-) | 921118 | 400 | 0.6- | 0.6- |
| 710416 | 675 | 0.9+ | 1.6- | 870921 | 071 | (4.9- | 4.3-) | 921118 | 400 | 0.7- | 1.0- |
| 710513 | 675 | 0.8- | 0.2+ | 890308 | 897 | 1.8+ | 0.1- | 921216 | 400 | 1.0+ | 0.4+ |
| 710514 | 675 | 1.1- | 0.6- | 890308 | 897 | 0.3+ | 1.0+ | 921216 | 400 | 1.3+ | 0.3- |
| 710516 | 675 | 2.2- | 1.6- | 890315 | 897 | 1.9- | 1.0+ | 940321 | 801 | 0.1- | 0.3- |
| 781003 | 095 | 0.4+ | 0.6- | 890315 | 897 | (1.2- | 3.9+) | 940321 | 801 | 0.9+ | 0.1- |
| 781007 | 095 | 0.1+ | 1.3- | 921117 | 400 | 0.3+ | 0.8- | 940408 | 801 | 0.7- | 0.3+ |
| 800323 | 809 | 0.6- | 0.7+ | 921117 | 400 | 0.8- | 0.4- | 940411 | 801 | 0.1+ | 1.5- |

(5983)* 2285 T-2 = 1987 RE₆ = 1992 ST₂₃

Discovered 1973 Sept. 29 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Id. S. Nakano (*MPC* 15571, *MPC* 22695)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | Nakano | |
|---|------------|-------------------|---------------|
| <i>M</i> | 133.41124 | (2000.0) | |
| <i>n</i> | 0.21020239 | ω 43.54175 | +0.59111404 |
| <i>a</i> | 2.8014161 | Ω 10.33213 | +0.69001251 |
| <i>e</i> | 0.1314356 | <i>i</i> 9.08329 | +0.41769239 |
| <i>P</i> | 4.69 | <i>H</i> 13.4 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------------|------------|-------------|------|------------|------------|------|------|
| 730925 675 | (4.0+ 3.1-) | 731005 675 | 1.4- | 1.5- | 920929 033 | 1.1- | 0.7+ | |
| 730925 675 | (4.6+ 2.3-) | 870904 095 | 2.5- | 2.5+ | 940216 010 | 0.8+ | 0.3+ | |
| 730929 675 | 0.2+ 0.7+ | 870924 095 | 0.2- | 1.3+ | 940216 010 | 1.9+ | 0.7+ | |
| 730929 675 | 0.5+ 0.1+ | 870927 095 | (3.3- 5.3+) | | 940309 010 | 0.2+ | 0.4+ | |
| 730930 675 | 0.9+ 1.0- | 920923 033 | 0.0 | 0.1+ | 940309 010 | 0.6- | 0.8+ | |
| 730930 675 | 1.7+ 1.5- | 920925 033 | 0.0 | 0.4+ | 940309 010 | 0.5+ | 0.4- | |
| 731004 675 | 2.5+ 2.1- | 920925 033 | 0.2+ | 0.2+ | 940310 010 | 0.6- | 0.9- | |
| 731004 675 | (3.0+ 1.7-) | 920927 033 | 0.2- | 1.4+ | 940310 010 | 1.5- | 0.9- | |
| 731005 675 | 0.5- | 1.0- | 920928 033 | 0.2+ | 0.0 | 940310 010 | 1.0- | 0.6- |

(5984)* 4045 T-3 = 1990 BP

Discovered 1977 Oct. 16 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Id. S. Nakano (*MPC* 15908)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Nakano | | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | 0.48412 | (2000.0) | P | Q | |
| <i>n</i> | 0.26810992 | ω 110.92848 | -0.68169926 | +0.72613141 | |
| <i>a</i> | 2.3819216 | Ω 115.76760 | -0.70277368 | -0.61584905 | |
| <i>e</i> | 0.1108373 | <i>i</i> 5.70682 | -0.20345830 | -0.30571741 | |
| <i>P</i> | 3.68 | <i>H</i> 13.8 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | |
|------------|-----------|------------|------|--------|------------|-------------|------|
| 771007 675 | 0.6+ 0.8+ | 771021 675 | 2.2+ | 0.3+ | 910706 809 | 0.0 | 1.2- |
| 771011 675 | 0.8- 2.0- | 771022 675 | 0.6+ | 1.0- | 910706 809 | 0.1- | 1.2- |
| 771011 675 | 0.3- 1.3- | 771022 675 | 1.9+ | 1.6- | 910707 809 | 0.0 | 1.3+ |
| 771012 675 | 1.1- 0.8- | 811024 675 | 1.3+ | 0.7+ | 910707 809 | 0.1+ | 1.2+ |
| 771012 675 | 0.8- 1.9- | 811025 675 | 1.5- | 0.1- | 940215 675 | (1.0- 3.7-) | |
| 771016 675 | 1.7- 1.2+ | 900121 887 | 0.4- | 0.1+ Y | 940215 675 | 0.1+ | 1.6- |
| 771016 675 | 1.1- 0.7+ | 900121 887 | 2.1- | 0.7+ Y | 940312 801 | 0.9- | 1.2- |
| 771017 675 | 0.4+ 1.0+ | 900124 887 | 0.0 | 0.8+ | 940312 801 | 0.4- | 1.5- |
| 771017 675 | 0.3- 0.2+ | 900124 887 | 2.2+ | 0.7- | | | |
| 771021 675 | 2.2+ 0.2+ | 910706 809 | 0.1+ | 1.4- | | | |

1976 UB₁ = 1952 HD₃ = 1990 FJ₅ = 1994 DR

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Ichikawa | | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | 10.78780 | (2000.0) | P | Q | |
| <i>n</i> | 0.23174207 | ω 31.55805 | -0.99200062 | +0.06817028 | |
| <i>a</i> | 2.6250211 | Ω 151.75981 | -0.08904208 | -0.97446408 | |
| <i>e</i> | 0.1708804 | <i>i</i> 12.97554 | +0.08947777 | -0.21394525 | |
| <i>P</i> | 4.25 | <i>H</i> 12.6 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | |
|------------|-------------|------------|------|------|------------|------|------|
| 520426 711 | 0.4+ 1.7+ Y | 761102 809 | 0.5- | 0.6+ | 940228 596 | 1.3+ | 2.8+ |
| 761024 809 | 0.4+ 0.5- | 900317 095 | 0.1- | 2.5- | 940302 596 | 1.2+ | 1.4+ |
| 761024 809 | 0.1+ 0.1- | 900317 095 | 0.2- | 1.3- | 940302 596 | 1.2- | 2.4+ |
| 761025 809 | 0.6+ 0.1+ | 940227 596 | 2.4+ | 0.4- | 940302 596 | 0.8- | 1.1- |
| 761031 809 | 0.8- 0.2- | 940227 596 | 1.2- | 0.2- | 940304 596 | 1.2- | 1.6- |
| 761101 809 | 0.4- 0.1- | 940227 596 | 0.2- | 1.2- | 940304 596 | 0.9- | 0.4+ |
| 761101 809 | 0.3+ 0.2- | 940228 596 | 0.7- | 0.5- | 940305 596 | 0.1- | 0.6- |
| 761102 809 | 0.8+ 1.1- | 940228 596 | 0.2- | 0.8+ | 940305 596 | 0.8+ | 1.5+ |

1977 OX

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Bardwell | | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | 299.71988 | (2000.0) | P | Q | |
| <i>n</i> | 0.16137547 | ω 226.10863 | +0.81454791 | +0.51122034 | |
| <i>a</i> | 3.3412658 | Ω 101.32107 | -0.41893731 | +0.84531887 | |
| <i>e</i> | 0.4986217 | <i>i</i> 16.23655 | -0.40125208 | +0.15520877 | |
| <i>P</i> | 6.11 | <i>H</i> 15.5 | <i>G</i> 0.15 | | |

From 9 observations 1977 July 16-Aug. 15, mean residual 0''.79.

1980 DL = 1991 TW₁₃ = 1993 FU₂₇

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | 160.15250 | (2000.0) | P | Q | |
| <i>n</i> | 0.23182922 | ω 152.05303 | -0.56364555 | -0.82539709 | |
| <i>a</i> | 2.6243631 | Ω 332.21954 | +0.74448580 | -0.49085351 | |
| <i>e</i> | 0.2686728 | <i>i</i> 3.93559 | +0.35783319 | -0.27889509 | |
| <i>P</i> | 4.25 | <i>H</i> 14.0 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | |
|------------|-----------|------------|------|------|------------|------|------|
| 800214 046 | 1.0- 1.0+ | 800220 046 | 0.8- | 1.0- | 911007 691 | 0.5- | 1.0+ |
| 800214 046 | 0.6- 1.8+ | 800220 046 | 1.6+ | 0.8+ | 930321 809 | 2.6- | 1.2+ |
| 800215 046 | 0.4- 0.2+ | 800221 046 | 1.6- | 1.4- | 930322 809 | 0.9+ | 0.0 |
| 800215 046 | 0.1+ 0.1+ | 800222 046 | 1.1+ | 1.6- | 930326 809 | 0.1+ | 0.4+ |
| 800219 046 | 0.6+ 1.0+ | 911007 691 | 0.3- | 0.5+ | 930417 413 | 2.6+ | 0.2+ |
| 800219 046 | 1.1+ 0.9- | 911007 691 | 0.3- | 0.6+ | | | |

1980 DX = 1980 BA₃ = 1990 RRId. S. Nakano (d, *MPC* 13674), H. Kaneda (*MPC* 17627), E. Bowell (*ibid.*)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | 15.67104 | (2000.0) | P | Q | |
| <i>n</i> | 0.23313623 | ω 144.29699 | +0.50881405 | +0.85804864 | |
| <i>a</i> | 2.6145455 | Ω 156.05384 | -0.82434060 | +0.50896258 | |
| <i>e</i> | 0.0895484 | <i>i</i> 9.89100 | -0.24813471 | +0.06862679 | |
| <i>P</i> | 4.23 | <i>H</i> 12.5 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | |
|------------|-----------|------------|-------------|------|------------|------|------|
| 800124 095 | 1.9+ 2.5- | 800222 046 | 1.5- | 1.1+ | 900916 675 | 0.7- | 1.0- |
| 800219 046 | 1.9- 1.6+ | 800223 046 | (3.3+ 0.5-) | | 900918 675 | 1.4+ | 0.7+ |
| 800219 046 | 0.3- 1.6+ | 800223 046 | 0.2+ | 1.1- | 900918 675 | 0.5+ | 0.8+ |
| 800221 046 | 0.2+ 1.3- | 900913 675 | 0.3- | 0.5+ | 930317 809 | 0.6+ | 0.5- |
| 800221 046 | 0.5+ 0.2- | 900913 675 | 0.2- | 0.4+ | 930318 809 | 0.7- | 0.0 |
| 800222 046 | 1.1+ 0.7+ | 900916 675 | 0.7- | 1.6- | | | |

1981 BC = 1953 TW₃ = 1966 CH

Id. E. Bowell, L. D. Schmadel

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | 257.11035 | (2000.0) | P | Q | |
| <i>n</i> | 0.26206978 | ω 108.58347 | +0.13902965 | -0.98706099 | |
| <i>a</i> | 2.4183812 | Ω 333.03570 | +0.82913694 | +0.16013378 | |
| <i>e</i> | 0.2328159 | <i>i</i> 10.14698 | +0.54148193 | +0.00823280 | |
| <i>P</i> | 3.76 | <i>H</i> 14.5 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | |
|------------|--------------|------------|------|------|------------|------|------|
| 531001 675 | 0.2+ 0.1+ | 810131 801 | 0.4- | 0.1+ | 810228 801 | 1.2+ | 1.1+ |
| 531001 675 | 0.1- 0.3- | 810201 801 | 0.7+ | 0.8- | 810328 801 | 0.6- | 0.5- |
| 660213 330 | (7.2+ 31.5+) | 810204 801 | 0.7+ | 0.8+ | | | |
| 660214 330 | 0.4- 0.7- | 810210 801 | 1.5- | 0.2- | | | |

1981 ED₁₂ = 1991 VS₁₄ = 1991 VN₁₅ = 1993 FY₂₆

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | Williams | |
|---|------------|--------------------|--------------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 140.56643 | ω 337.79340 | -0.99716586 -0.02197470 |
| <i>a</i> | 0.24811773 | Ω 201.32882 | +0.03741296 -0.97459134 |
| <i>e</i> | 2.5082117 | <i>i</i> 11.40996 | -0.06527266 -0.22290992 |
| <i>P</i> | 0.0811733 | <i>H</i> 14.0 | <i>G</i> 0.15 |
| Residuals in seconds of arc | | | |
| 810209 413 | 2.2- 0.1+ | 810406 413 | 1.0- 1.6+ 911102 809 1.1- 1.4+ |
| 810214 413 | 1.2+ 0.5+ | 810406 413 | 1.2+ 1.7- 911102 809 1.2- 1.3+ |
| 810301 413 | 0.4+ 0.1- | 810408 413 | 0.3- 0.4+ 911112 809 1.6+ 0.3- |
| 810301 413 | 1.5+ 1.8- | 810408 413 | 1.5+ 2.0- 911112 809 0.7+ 0.7- |
| 810306 413 | 1.6- 1.5+ | 810409 413 | 0.5- 0.7+ 911112 809 0.7- 2.5- |
| 810308 413 | 1.2- 0.6+ | 810409 413 | 0.2+ 1.4- 930321 809 0.1+ 0.1+ |
| 810308 413 | 0.5+ 0.9- | 810501 413 | 0.6+ 0.8- 930322 809 0.8+ 0.0 |
| 810312 413 | 0.7- 1.7+ | 810503 413 | 0.3- 0.7- 930326 809 1.2+ 0.4- |
| 810312 413 | 0.0 0.5- | 911102 809 | 0.7+ 1.5+ 930418 413 1.5- 3.3+ |

1981 EZ₁₃ = 1994 EU₇

Id. G. V. Williams, M. F. Nordstrand

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | Williams | |
|---|------------|--------------------|--------------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 39.78003 | ω 191.75308 | -0.97311242 -0.21372059 |
| <i>a</i> | 0.22535797 | Ω 335.39186 | +0.22449034 -0.79660937 |
| <i>e</i> | 2.6743656 | <i>i</i> 11.90233 | +0.05153931 -0.56545293 |
| <i>P</i> | 0.1879773 | <i>H</i> 15.0 | <i>G</i> 0.15 |
| Residuals in seconds of arc | | | |
| 810212 413 | 0.7+ 0.5+ | 810312 413 | 0.8- 0.5+ 810502 413 0.8+ 0.4- |
| 810212 413 | 0.3- 2.2- | 810312 413 | 0.5+ 0.9+ 940210 675 1.1+ 0.7- |
| 810301 413 | 0.4+ 0.0 | 810407 413 | 2.2- 0.6+ 940210 675 0.3+ 0.9- |
| 810301 413 | 1.3+ 1.1+ | 810407 413 | 1.2+ 1.3+ 940304 033 1.1+ 0.4+ |
| 810306 413 | 2.0- 0.7- | 810408 413 | 0.8- 1.0+ 940304 033 0.7+ 0.3+ |
| 810306 413 | 1.7+ 0.5- | 810408 413 | 0.7+ 0.0 940307 691 1.5- 0.2- |
| 810308 413 | 1.8- 0.3+ | 810409 413 | 1.9- 1.5- 940307 691 0.8- 0.1+ |
| 810308 413 | 0.2+ 0.6+ | 810409 413 | 0.5+ 0.8- 940307 691 1.0- 0.6+ |
| 810308 413 | 0.4- 0.0 | 810501 413 | 1.1+ 0.0 |
| 810308 413 | 1.4+ 0.7+ | 810502 413 | 0.1+ 1.4- |

1981 FT = 1978 GJ₄ = 1978 JX₃ = 1992 UR₉ = 1994 GU

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | Williams | |
|---|-------------|--------------------|----------------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 68.58237 | ω 117.00646 | -0.99729017 -0.04193437 |
| <i>a</i> | 0.30781977 | Ω 60.64482 | +0.01205647 -0.90369273 |
| <i>e</i> | 2.1723929 | <i>i</i> 3.97676 | +0.07257383 -0.42612318 |
| <i>P</i> | 0.0833626 | <i>H</i> 14.0 | <i>G</i> 0.15 |
| Residuals in seconds of arc | | | |
| 780411 095 | 0.7+ 0.1- | 810329 046 | 1.0+ 0.8+ 921023 010 0.0 0.9- |
| 780505 095 | 0.5- 0.2+ | 810329 046 | 1.1- 0.1+ 940408 400 0.1+ 0.8- |
| 810301 095 | (5.5- 3.8+) | 810402 046 | (3.6- 3.4+) 940408 400 1.3- 0.2- |
| 810327 046 | 1.4+ 1.1- | 810402 046 | 1.2- 0.5+ 940409 400 0.1+ 1.8- |
| 810327 046 | 0.0 0.3+ | 921023 010 | 1.1+ 1.6- |

1981 UO₁₁ = 1979 BT₁ = 1991 RX₂₀Id. E. Bowell (*MPC* 19673), G. V. Williams

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | Williams | |
|---|------------|--------------------|--------------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 267.37218 | ω 299.07066 | +0.57754142 -0.81393551 |
| <i>a</i> | 0.29024541 | Ω 115.51685 | +0.77113660 +0.51864157 |
| <i>e</i> | 2.2592232 | <i>i</i> 3.99590 | +0.26794449 +0.26176307 |
| <i>P</i> | 0.1432021 | <i>H</i> 14.0 | <i>G</i> 0.15 |
| Residuals in seconds of arc | | | |
| 790124 095 | 1.5- 1.1+ | 910914 675 | 0.2+ 0.8- 930317 809 1.8+ 0.2- |
| 811022 095 | 0.7- 0.8+ | 910914 675 | 0.1- 0.1- 930318 809 0.3+ 1.4- |
| 811024 095 | 2.7+ 0.6- | 910916 675 | 1.0- 0.1- 930416 413 2.3- 1.9- |
| 811028 095 | 0.3+ 1.4- | 910916 675 | 0.1- 0.2- |

1981 WE₉ = 1971 TJ₁ = 1993 FC₄₃

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | Williams | |
|---|------------|--------------------|----------------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 353.52534 | ω 175.61803 | +0.99658287 +0.08259833 |
| <i>a</i> | 0.29848254 | Ω 179.64360 | -0.07720919 +0.93287338 |
| <i>e</i> | 2.2174649 | <i>i</i> 2.83992 | -0.02934826 +0.35060628 |
| <i>P</i> | 0.1768060 | <i>H</i> 14.0 | <i>G</i> 0.15 |
| Residuals in seconds of arc | | | |
| 711011 095 | 0.1+ 0.3- | 811117 323 | 1.3+ 1.8+ 930320 809 (3.0+ 0.2-) |
| 811024 675 | 0.9- 1.1- | 811123 323 | 0.5- 0.1- 930324 809 0.3- 0.1- |
| 811025 675 | 0.4+ 0.5- | 811201 323 | 1.0- 1.2- 930417 413 0.5+ 0.9- |
| 811026 675 | 0.4- 0.2- | 930319 809 | 0.5- 0.6+ |
| 811116 323 | 1.0+ 1.1+ | 930320 809 | 0.1+ 0.3- |

1982 BP₂ = 1989 AB₂

Id. H. Kaneda (*MPC* 16695)

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | Williams | |
|---|-------------|--------------------|------------------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 238.80940 | ω 205.00426 | -0.03843194 -0.99852574 |
| <i>a</i> | 0.28104866 | Ω 247.21759 | +0.92365276 -0.02086032 |
| <i>e</i> | 2.3082440 | <i>i</i> 2.38279 | +0.38129853 -0.05011188 |
| <i>P</i> | 0.0818020 | <i>H</i> 13.5 | <i>G</i> 0.15 |
| Residuals in seconds of arc | | | |
| 820119 095 | 1.0+ 1.1- | 890103 046 | (4.5- 1.4-) 911029 399 (5.0- 0.3-) |
| 820120 046 | 0.1- 0.8- | 890103 046 | 1.3- 0.2- 911029 399 (3.7- 1.5+) |
| 820120 095 | 0.2+ 1.6+ | 890104 046 | 0.4- 0.0 930321 809 1.0- 0.2+ |
| 820120 046 | 1.7- 1.4- | 890104 046 | 1.0- 0.3- 930322 809 0.7+ 0.6+ |
| 820121 046 | (5.2- 4.1+) | 890109 046 | 1.5+ 0.5- 930326 809 0.1- 1.1+ |
| 820121 046 | (3.2- 1.9+) | 890109 046 | 0.8+ 0.4+ 930327 809 1.5+ 0.7+ |
| 820127 046 | 0.6+ 1.5+ | 911028 399 | 0.3- 1.6+ 930418 413 (4.0+ 2.0+) |
| 820127 046 | (3.5+ 3.8+) | 911028 399 | 0.6- 0.9+ |

1982 FS₃ = 1982 HS₂ = 1993 FS₂

Id. F. N. Bowman (d, *MPC* 7830), G. V. Williams

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | Williams | |
|---|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 117.59158 | ω 334.50025 | -0.93103181 -0.36464551 |
| <i>a</i> | 0.17816053 | Ω 184.19578 | +0.35959610 -0.90984376 |
| <i>e</i> | 3.1279638 | <i>i</i> 11.51777 | +0.06221264 -0.19803533 |
| <i>P</i> | 0.1113348 | <i>H</i> 12.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|--------|-------|
| 820323 809 | 0.4+ | 0.9+ | 820328 809 | 0.1+ | 0.5- | 820401 809 | 0.1+ | 0.4+ |
| 820323 809 | 0.1- | 0.7+ | 820328 809 | 0.2+ | 0.9- | 820427 033 | 1.4+ | 0.6- |
| 820323 809 | 0.6+ | 0.0 | 820329 809 | 0.2- | 0.6- | 820427 033 | 1.1+ | 0.4- |
| 820324 809 | 0.8+ | 1.0+ | 820329 809 | 0.2+ | 0.5- | 930319 809 | 1.0- | 0.0 |
| 820324 809 | 0.3+ | 0.6+ | 820329 809 | 0.4+ | 0.5- | 930319 675 | (7.8- | 6.7-) |
| 820324 809 | 0.1+ | 0.5+ | 820330 809 | 0.9- | 1.5+ | 930319 675 | (9.0- | 6.5-) |
| 820326 809 | 0.4- | 1.7- | 820330 809 | 0.1- | 1.5+ | 930320 809 | 0.2- | 0.0 |
| 820326 809 | 0.4- | 1.1- | 820330 809 | 0.2+ | 1.6+ | 930320 046 | (7.0+ | 3.2-) |
| 820326 809 | 0.9- | 0.9- | 820331 809 | 0.4- | 0.7+ | 930320 046 | 1.3+ | 0.0 |
| 820327 809 | 0.0 | 1.4- | 820331 809 | 0.4- | 0.5+ | 930321 675 | (10.3- | 5.5-) |
| 820327 809 | 0.3- | 0.8- | 820331 809 | 0.6- | 0.0 | 930321 675 | (6.4- | 3.4-) |
| 820327 809 | 0.5- | 0.5- | 820401 809 | 0.0 | 0.8+ | 930324 809 | 0.4- | 0.0 |
| 820328 809 | 0.4- | 0.6- | 820401 809 | 0.1+ | 0.8+ | 930421 413 | 0.2+ | 0.5- |

1983 QC

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Bardwell | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.23581557 | ω 191.08821 | +0.99370847 +0.10557749 |
| <i>a</i> | 2.5947035 | Ω 162.71787 | -0.09070494 +0.95440489 |
| <i>e</i> | 0.4317728 | <i>i</i> 7.22743 | -0.06569697 +0.27922160 |
| <i>P</i> | 4.18 | <i>H</i> 16.5 | <i>G</i> 0.15 |

From 7 observations 1983 Aug. 30-Oct. 27, mean residual 0".42.

1984 SL₃ = 1983 EE₂ = 1993 FM₃₅

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.29383057 | ω 331.61180 | +0.99539687 +0.08341006 |
| <i>a</i> | 2.2408085 | Ω 23.74400 | -0.04936443 +0.86835449 |
| <i>e</i> | 0.1994600 | <i>i</i> 6.73187 | -0.08214762 +0.48887958 |
| <i>P</i> | 3.35 | <i>H</i> 12.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 830311 381 | 0.4+ | 0.7+ | 841023 688 | 0.7+ | 0.2+ | 930319 809 | 0.1+ | 0.4- |
| 830311 381 | 0.2+ | 0.4+ | 841023 688 | 0.9+ | 0.4+ | 930320 809 | 0.3- | 0.6- |
| 840928 688 | 0.4+ | 0.8- | 841029 688 | 2.3- | 0.2- | 930324 809 | 1.5- | 0.2- |
| 840928 688 | 0.4+ | 0.0 | 841029 688 | 0.2+ | 0.4- | 930421 413 | 0.6+ | 0.8- |

1984 TD = 1990 TE₁₄Id. H. Kaneda (*MPC* 18110)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.17046990 | ω 108.10225 | +0.85323538 -0.52152395 |
| <i>a</i> | 3.2213475 | Ω 283.33230 | +0.47791733 +0.78301606 |
| <i>e</i> | 0.1592236 | <i>i</i> 0.08662 | +0.20876881 +0.33896700 |
| <i>P</i> | 5.78 | <i>H</i> 13.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|-------|-------|
| 840927 033 | 0.5- | 0.4- | 901014 033 | 0.4- | 0.5- | 930321 809 | (2.1- | 2.9-) |
| 840927 033 | 0.4- | 0.9- | 901014 033 | 0.1+ | 0.0 | 930322 809 | 1.0- | 1.9- |
| 841003 801 | 1.5+ | 0.1- | 920205 691 | 0.1+ | 0.1+ | 930324 809 | 0.7+ | 0.7+ |
| 841019 801 | 0.4- | 1.1+ | 920205 691 | 0.2+ | 0.1+ | 930421 413 | 0.2- | 0.3+ |
| 901014 033 | 0.4+ | 0.0 | 920205 691 | 0.3- | 0.0 | | | |

1985 TD = 1994 GU₈

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.27221668 | ω 252.80624 | +0.11365157 -0.99082353 |
| <i>a</i> | 2.3579046 | Ω 191.43795 | +0.99244795 +0.11664152 |
| <i>e</i> | 0.2996803 | <i>i</i> 21.64854 | +0.04615613 -0.06828973 |
| <i>P</i> | 3.62 | <i>H</i> 13.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 851011 675 | 0.2- | 0.3+ | 851013 675 | 0.2- | 0.4+ | 940411 675 | 0.4- | 0.3+ |
| 851011 675 | 0.7- | 1.4+ | 851015 688 | 0.9+ | 0.2- | 940413 675 | 1.1+ | 0.7- |
| 851012 688 | 2.1+ | 2.2- | 851015 688 | 0.8- | 0.7+ | 940413 675 | 0.2+ | 1.0+ |
| 851013 675 | 1.1- | 0.4- | 940411 675 | 0.9- | 0.6- | | | |

1985 UJ

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Bardwell | |
|----------|------------|-------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.23092521 | ω 4.41650 | +0.90535058 -0.42112912 |
| <i>a</i> | 2.6312079 | Ω 20.75702 | +0.38474339 +0.75890206 |
| <i>e</i> | 0.4184501 | <i>i</i> 8.87644 | +0.17975775 +0.49670708 |
| <i>P</i> | 4.27 | <i>H</i> 15.5 | <i>G</i> 0.15 |

From 10 observations 1985 Sept. 21-Oct. 24, mean residual 0".77.

1986 RA₅ = 1992 CE₈ = 1993 FO₁₅

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.24571254 | ω 210.34515 | +0.91486405 +0.39342835 |
| <i>a</i> | 2.5245530 | Ω 126.21114 | -0.34415024 +0.87739219 |
| <i>e</i> | 0.2154666 | <i>i</i> 6.45893 | -0.21115012 +0.27458529 |
| <i>P</i> | 4.01 | <i>H</i> 13.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 860901 809 | 0.1- | 0.1+ | 860906 809 | 0.2- | 0.4- | 860912 809 | 0.5+ | 0.1+ |
| 860901 809 | 0.4+ | 0.4+ | 860906 809 | 0.3- | 0.4- | 920201 691 | 0.9- | 0.4+ |
| 860901 809 | 1.0+ | 0.3+ | 860908 809 | 0.4- | 0.4- | 920201 691 | 0.9+ | 0.8- |
| 860903 809 | 0.7+ | 0.1+ | 860908 809 | 0.4- | 0.7- | 920201 691 | 0.2- | 0.6- |
| 860903 809 | 0.4+ | 0.2+ | 860908 809 | 0.4- | 0.8- | 930317 809 | 1.4+ | 0.4- |
| 860903 809 | 0.5+ | 0.2+ | 860910 809 | 0.4- | 0.1+ | 930318 809 | 2.2- | 0.2- |
| 860905 809 | 0.0 | 0.1- | 860910 809 | 0.3- | 0.1+ | 930318 809 | 1.5+ | 0.3- |
| 860905 809 | 0.1- | 0.1- | 860910 809 | 0.3- | 0.0 | 930323 809 | 0.7- | 0.1- |
| 860905 809 | 0.1- | 0.0 | 860912 809 | 0.1- | 0.2+ | 930416 413 | 0.3- | 0.1- |
| 860906 809 | 0.5- | 0.3- | 860912 809 | 0.3+ | 0.2+ | | | |

1986 WO₉ = 1990 RZId. A. Lowe (*MPC* 17633)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.21401526 | ω 269.28164 | -0.24046136 -0.97055060 |
| <i>a</i> | 2.7680433 | Ω 194.65663 | +0.91178423 -0.22073248 |
| <i>e</i> | 0.0231624 | <i>i</i> 3.28222 | +0.33290817 -0.09648163 |
| <i>P</i> | 4.61 | <i>H</i> 12.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 861130 381 | 0.1+ | 0.1+ | 900920 675 | 0.6- | 0.7- | 930321 809 | 0.6+ | 0.2+ |
| 861130 381 | 0.2+ | 0.6+ | 900925 809 | 0.7- | 0.9- | 930322 809 | 1.0+ | 0.5+ |
| 861201 381 | 0.5- | 0.2+ | 900925 809 | 0.3- | 0.9- | 930326 809 | 0.5- | 0.6+ |
| 861201 381 | 0.0 | 0.0 | 900925 809 | 0.1+ | 0.9- | 930327 809 | 0.3+ | 0.1+ |

900914 675 1.1+ 0.5- 900927 809 0.4- 2.0+ 930416 413 0.4- 1.1+
 900914 675 1.0+ 0.4- 900927 809 0.2- 2.0+
 900920 675 0.3- 0.1+ 900927 809 0.4- 2.0+

1987 SF₃

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Bardwell

| <i>M</i> | 30.61074 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.29121070 | ω 133.61569 | +0.78096141 | +0.62453061 |
| <i>a</i> | 2.2542280 | Ω 187.74798 | -0.58840633 | +0.73148750 |
| <i>e</i> | 0.5333197 | <i>i</i> 3.31547 | -0.20946903 | +0.27365591 |
| <i>P</i> | 3.38 | <i>H</i> 18.5 | <i>G</i> 0.15 | |

From 11 observations 1987 Sept. 26–Nov. 16, mean residual 0^u.51.**1987 SH₃ = 1994 GP₁**

Id. G. V. Williams, R. H. McNaught (1982 observations)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 162.13561 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.37933877 | ω 265.86201 | -0.08729575 | -0.99361584 |
| <i>a</i> | 1.8899540 | Ω 190.02678 | +0.99607907 | -0.08809519 |
| <i>e</i> | 0.1102499 | <i>i</i> 24.23333 | -0.01435024 | -0.07047559 |
| <i>P</i> | 2.60 | <i>H</i> 14.0 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | |
|------------------------|----------------------|----------------------|
| 821022 413 0.4- 0.7- | 871017 675 0.5- 1.4+ | 871122 675 0.8- 1.4- |
| 821022 413 0.5+ 2.3+ | 871018 675 0.6- 0.9+ | 871123 675 0.4+ 0.1+ |
| 870917 095 (0.9+ 4.4-) | 871019 675 0.5- 0.2- | 940411 675 0.6- 1.3+ |
| 870926 675 0.5- 0.1+ | 871020 675 0.4+ 0.2+ | 940411 675 0.2- 1.9- |
| 870926 675 0.0 0.0 | 871022 413 1.2+ 1.7- | 940413 675 0.5- 2.0+ |
| 870926 095 (3.1+ 4.8-) | 871022 413 0.8+ 0.1+ | 940413 675 1.3+ 0.1+ |

1987 SU₁₇ = 1993 FR₂₈

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 6.51537 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.27484661 | ω 120.83969 | +0.90764117 | +0.41500265 |
| <i>a</i> | 2.3428391 | Ω 214.75327 | -0.41286670 | +0.85563884 |
| <i>e</i> | 0.1316530 | <i>i</i> 6.33818 | -0.07568742 | +0.30928138 |
| <i>P</i> | 3.59 | <i>H</i> 13.5 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | |
|----------------------|----------------------|----------------------|
| 870918 095 0.4+ 0.7- | 871002 095 0.1- 1.2- | 930322 809 1.5+ 0.3+ |
| 870920 095 0.5- 2.1+ | 930321 809 0.5+ 0.3+ | 930326 809 0.7+ 0.2- |
| 870926 095 0.3+ 0.7- | 930322 809 2.4- 0.4+ | 930417 413 0.6- 1.5- |

1988 CG₇ = 1993 FG₃₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 234.14516 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.21339629 | ω 186.19452 | +0.64187295 | -0.76000417 |
| <i>a</i> | 2.7733934 | Ω 223.93454 | +0.70969143 | +0.63913653 |
| <i>e</i> | 0.1645508 | <i>i</i> 8.44902 | +0.29040865 | +0.11789044 |
| <i>P</i> | 4.62 | <i>H</i> 14.0 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | |
|----------------------|----------------------|----------------------|
| 880215 809 0.5- 0.8- | 880221 809 1.4- 1.5+ | 930321 809 0.3- 1.0+ |
| 880216 809 0.1- 0.7- | 880221 809 1.2- 0.8+ | 930322 809 1.3+ 0.4+ |
| 880216 809 0.2- 0.6- | 880223 809 1.6+ 0.6- | 930326 809 1.1- 1.5- |
| 880216 809 0.4- 1.0- | 880223 809 1.4+ 0.3- | |
| 880221 809 0.3- 1.4+ | 880223 809 1.2+ 0.3+ | |

1988 JB₁

Id. G. J. Garradd (1994 observations)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 54.05607 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.17752169 | ω 83.84717 | -0.56022293 | +0.81033673 |
| <i>a</i> | 3.1354636 | Ω 149.96434 | -0.82824311 | -0.55118244 |
| <i>e</i> | 0.4009969 | <i>i</i> 20.07003 | +0.01279098 | -0.19887764 |
| <i>P</i> | 5.55 | <i>H</i> 14.0 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | |
|----------------------|----------------------|----------------------|
| 880512 675 0.4- 0.1+ | 880616 675 0.7- 0.1- | 940502 413 0.0 0.0 |
| 880512 675 0.9- 0.9+ | 880619 675 0.5- 0.3- | 940502 413 0.3+ 0.0 |
| 880608 675 0.6+ 1.5- | 880711 801 0.3+ 1.4+ | 940504 413 0.5- 0.3- |
| 880609 675 0.6+ 0.7+ | 880809 801 0.3+ 0.3+ | 940504 413 0.3- 0.2- |
| 880611 675 0.8+ 1.1- | 940502 413 0.4+ 0.2- | |

1988 PF₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Bardwell

| <i>M</i> | 51.84833 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.19064195 | ω 46.13523 | +0.98696621 | +0.14887200 |
| <i>a</i> | 2.9899028 | Ω 305.21130 | -0.16056257 | +0.88539298 |
| <i>e</i> | 0.4550330 | <i>i</i> 4.28968 | -0.01083357 | +0.44035939 |
| <i>P</i> | 5.17 | <i>H</i> 16.5 | <i>G</i> 0.15 | |

From 9 observations 1988 Aug. 14–Sept. 16, mean residual 0^u.55.**1988 RK₅ = 1985 UL₆ = 1994 GE₁**

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Nakano

| <i>M</i> | 355.63172 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.29752722 | ω 84.51547 | -0.11412884 | +0.99346581 |
| <i>a</i> | 2.2222090 | Ω 178.93071 | -0.92245430 | -0.10577126 |
| <i>e</i> | 0.1151882 | <i>i</i> 1.64153 | -0.36885319 | -0.04287329 |
| <i>P</i> | 3.31 | <i>H</i> 13.8 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | |
|----------------------|------------------------|------------------------|
| 851018 095 0.7- 2.0+ | 880906 809 0.6- 0.1+ | 880913 809 (4.4+ 2.5-) |
| 880902 809 0.6+ 1.0+ | 880907 809 0.0 0.1- | 881007 807 0.7- 0.1- |
| 880902 809 0.7+ 0.7+ | 880907 809 0.1- 0.0 | 881008 807 0.1- 0.8- |
| 880902 809 0.8+ 0.8+ | 880907 809 0.0 0.0 | 881103 807 0.2+ 0.5+ |
| 880905 809 0.1+ 0.0 | 880910 809 0.8- 0.8- | 881105 807 0.1+ 0.2+ |
| 880905 809 0.5+ 0.0 | 880910 809 0.8- 1.1- | 940408 400 0.7+ 0.3- |
| 880905 809 0.8+ 0.1- | 880910 809 0.3- 1.1- | 940408 400 0.1+ 0.1- |
| 880906 809 0.1- 0.4+ | 880913 809 (5.9+ 1.5-) | 940413 400 0.1- 1.1+ |
| 880906 809 0.5- 0.2+ | 880913 809 (5.1+ 2.2-) | 940413 400 0.0 1.0+ |

1989 AT = 1994 AA

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Harada

| <i>M</i> | 37.63676 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.18714302 | ω 351.91934 | -0.04474546 | -0.97313823 |
| <i>a</i> | 3.0270549 | Ω 100.43339 | +0.92892408 | -0.12370214 |
| <i>e</i> | 0.1205466 | <i>i</i> 13.27518 | +0.36755667 | +0.19416429 |
| <i>P</i> | 5.27 | <i>H</i> 12.0 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | |
|----------------------|----------------------|----------------------|
| 890104 399 1.1+ 1.1- | 890113 399 1.0+ 0.3+ | 940102 411 0.3+ 1.0+ |
| 890104 399 1.1+ 1.3- | 890113 399 0.2- 0.1+ | 940102 411 0.3+ 0.6- |
| 890104 399 0.3+ 0.0 | 890113 399 0.8- 0.4- | 940107 411 0.2- 0.1+ |
| 890104 399 1.5- 1.7+ | 940101 411 0.0 0.1+ | 940107 411 0.1+ 0.2- |

890106 399 0.7- 0.7+ 940101 411 0.5- 0.6- 940107 411 0.4+ 0.4-
 890106 399 0.7+ 0.6- 940101 411 0.3- 0.1+
 890106 399 1.1- 0.7+ 940102 411 0.1- 0.5+

1989 CB₆ = 1993 FG₃₆

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 197.19747 | | (2000.0) | P | Q |
|----------|------------|----------|-----------|-------------|-------------|
| <i>n</i> | 0.26648901 | ω | 7.10685 | -0.50769900 | -0.86077301 |
| <i>a</i> | 2.3915704 | Ω | 113.40971 | +0.78848764 | -0.48118129 |
| <i>e</i> | 0.1412094 | <i>i</i> | 2.26170 | +0.34717283 | -0.16593491 |
| <i>P</i> | 3.70 | <i>H</i> | 15.0 | <i>G</i> | 0.15 |

Residuals in seconds of arc

890202 033 0.0 0.0 890210 033 0.3- 0.1+ 930324 809 0.9+ 0.2+
 890204 033 0.1- 0.1- 930319 809 0.4- 0.2+ 930418 413 0.3- 0.1-
 890210 033 0.4+ 0.1- 930320 809 0.3- 0.2-

1989 GL₄ = 1993 FK₃₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 92.35461 | | (2000.0) | P | Q |
|----------|------------|----------|-----------|-------------|-------------|
| <i>n</i> | 0.24340533 | ω | 26.94311 | -0.62652618 | +0.77331196 |
| <i>a</i> | 2.5404812 | Ω | 204.64443 | -0.75051128 | -0.63224003 |
| <i>e</i> | 0.1230480 | <i>i</i> | 13.48390 | -0.21023264 | -0.04755163 |
| <i>P</i> | 4.05 | <i>H</i> | 13.5 | <i>G</i> | 0.15 |

Residuals in seconds of arc

890403 809 2.2- 0.7- 890405 809 0.2+ 0.0 930321 809 1.6- 1.9+
 890403 809 1.2- 0.1+ 890409 809 1.0+ 0.4+ 930322 809 0.7+ 0.5-
 890403 809 0.8- 0.4- 890409 809 1.0+ 0.9+ 930326 809 1.3+ 1.1-
 890405 809 0.1+ 0.3- 890409 809 2.0+ 0.4+ 930417 413 0.5- 0.7-

1989 QF

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Bardwell

| <i>M</i> | 90.31672 | | (2000.0) | P | Q |
|----------|------------|----------|-----------|-------------|-------------|
| <i>n</i> | 0.79759889 | ω | 239.48189 | -0.71448107 | +0.69942485 |
| <i>a</i> | 1.1515418 | Ω | 344.87387 | -0.61606493 | -0.64106392 |
| <i>e</i> | 0.4129968 | <i>i</i> | 3.94121 | -0.33163354 | -0.31597773 |
| <i>P</i> | 1.24 | <i>H</i> | 18.0 | <i>G</i> | 0.15 |

From 13 observations 1989 Aug. 31-Oct. 21, mean residual 0".82.

1989 VA

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Bardwell

| <i>M</i> | 85.63372 | | (2000.0) | P | Q |
|----------|------------|----------|-----------|-------------|-------------|
| <i>n</i> | 1.58449344 | ω | 2.78881 | -0.66758152 | +0.66021584 |
| <i>a</i> | 0.7286893 | Ω | 225.66011 | -0.69207447 | -0.72071024 |
| <i>e</i> | 0.5946092 | <i>i</i> | 28.76457 | -0.27453206 | +0.21140433 |
| <i>P</i> | 0.62 | <i>H</i> | 17.0 | <i>G</i> | 0.15 |

From 14 observations 1989 Nov. 2-Dec. 5, mean residual 0".67.

1989 WG₄ = 1994 EM₃

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Nakano

| <i>M</i> | 159.33930 | | (2000.0) | P | Q |
|----------|------------|----------|-----------|-------------|-------------|
| <i>n</i> | 0.30301691 | ω | 320.98238 | +0.42401418 | -0.90021050 |
| <i>a</i> | 2.1952878 | Ω | 103.72707 | +0.85439082 | +0.36129261 |
| <i>e</i> | 0.0898010 | <i>i</i> | 5.85880 | +0.30038024 | +0.24308167 |
| <i>P</i> | 3.25 | <i>H</i> | 13.3 | <i>G</i> | 0.15 |

Residuals in seconds of arc

891123 046 2.1- 0.9- 891130 046 0.3+ 1.4+ 940318 400 1.8- 0.7+
 891123 046 (4.8- 0.3-) 891201 046 0.5+ 1.0- 940318 400 2.7+ 0.3-
 891129 046 0.2+ 1.4+ 891201 046 2.6- 2.0- 940405 400 0.5+ 1.9+
 891129 046 1.5+ 0.4- 940312 400 0.8+ 1.9- 940405 400 0.0 1.3-
 891130 046 2.2+ 1.7+ 940312 400 2.2- 1.0+

1990 EC₁ = 1994 HR

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 30.97622 | | (2000.0) | P | Q |
|----------|------------|----------|-----------|-------------|-------------|
| <i>n</i> | 0.25849330 | ω | 6.09361 | -0.86000974 | +0.50523015 |
| <i>a</i> | 2.4406370 | Ω | 204.66238 | -0.47511717 | -0.84401016 |
| <i>e</i> | 0.1169612 | <i>i</i> | 9.87957 | -0.18613685 | -0.17997042 |
| <i>P</i> | 3.81 | <i>H</i> | 15.0 | <i>G</i> | 0.15 |

Residuals in seconds of arc

900224 809 1.1+ 0.1- 900304 809 0.9- 1.4+ 940416 691 0.1- 0.2-
 900224 809 0.2- 0.6+ 900304 809 0.2- 0.4+ 940416 691 0.0 0.1-
 900224 809 1.2- 0.5- 900304 809 (0.3+ 3.1-) 940419 691 0.2- 0.3+
 900302 809 1.1+ 0.6- 940412 691 0.0 0.1- 940419 691 0.1- 0.1+
 900302 809 0.5+ 0.5- 940412 691 0.1+ 0.0 940419 691 0.2- 0.2+
 900302 809 0.2- 0.6- 940416 691 0.3+ 0.2-

1990 KE = 1991 PL₁₁Id. E. Bowell (*MPC* 19504)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Bowell

| <i>M</i> | 244.36185 | | (2000.0) | P | Q |
|----------|------------|----------|-----------|-------------|-------------|
| <i>n</i> | 0.23336309 | ω | 177.93136 | +0.98999341 | -0.13367710 |
| <i>a</i> | 2.6128508 | Ω | 190.09354 | +0.12548349 | +0.98048647 |
| <i>e</i> | 0.1055997 | <i>i</i> | 14.94764 | +0.06455178 | +0.14414129 |
| <i>P</i> | 4.22 | <i>H</i> | 13.0 | <i>G</i> | 0.15 |

Residuals in seconds of arc

531001 675 0.8- 0.8+ 900526 413 1.6+ 0.9- 910914 675 0.2- 0.6-
 531001 675 0.5+ 1.2+ 900529 413 0.8- 0.9+ 910914 675 0.7- 0.1+
 900519 413 (6.9- 2.7+) 900529 413 1.3- 0.1+ 910915 675 0.2+ 0.4-
 900519 413 (5.4+ 1.3-) 910809 675(16.9- 0.1+) 910915 675 0.2+ 0.2+
 900520 413 0.5- 0.1- 910810 675 1.1- 0.1+ 910917 675 0.0 0.4-
 900520 413 0.9+ 0.3+ 910913 675 0.7+ 0.1- 910917 675 0.6+ 0.8-
 900526 413 0.1+ 0.2- 910913 675 0.3+ 0.2-

1990 QJ₄ = 1993 FX₃₉

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 68.02351 | | (2000.0) | P | Q |
|----------|------------|----------|-----------|-------------|-------------|
| <i>n</i> | 0.26283260 | ω | 123.84219 | +0.17470205 | +0.98447080 |
| <i>a</i> | 2.4136997 | Ω | 156.20136 | -0.91688396 | +0.16903227 |
| <i>e</i> | 0.1934717 | <i>i</i> | 2.44545 | -0.35889135 | +0.04738506 |
| <i>P</i> | 3.75 | <i>H</i> | 14.0 | <i>G</i> | 0.15 |

Residuals in seconds of arc

900823 675 0.2+ 0.0 900912 809 1.3+ 0.0 900913 675 0.1+ 0.5-
 900823 675 0.1- 0.3- 900912 809 1.8+ 0.1+ 900918 675 1.2+ 0.1-
 900827 675 0.4- 0.6- 900912 809 (2.7+ 0.3+) 900918 675 0.8- 1.3-
 900827 675 0.3+ 0.8+ 900913 809 1.8- 0.4- 930319 809 0.4- 0.6+
 900911 809 0.4- 1.0+ 900913 809 1.6- 0.6- 930320 809 0.1+ 0.3-
 900911 809 0.4+ 1.1+ 900913 809 1.0- 0.3- 930324 809 0.3+ 0.4-
 900911 809 1.3+ 1.1+ 900913 675 0.5- 0.1-

1990 QK₇ = 1993 FY₁₃

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | 207.72677 | (2000.0) | <i>P</i> <i>Q</i> |
| <i>n</i> | 0.19150952 | ω 273.04665 | +0.34336526 -0.93643945 |
| <i>a</i> | 2.9808661 | Ω 156.47218 | +0.91734142 +0.31794719 |
| <i>e</i> | 0.1017368 | <i>i</i> 10.38834 | +0.20145725 +0.14829272 |
| <i>P</i> | 5.15 | <i>H</i> 12.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 900816 809 | 1.6+ | 0.8+ | 900820 809 | 0.8- | 1.1- | 930318 809 | 0.1+ | 0.1+ |
| 900816 809 | 0.8+ | 0.2+ | 900826 809 | 0.5- | 0.3+ | 930323 809 | 0.1- | 0.1- |
| 900816 809 | 0.2- | 0.2+ | 900826 809 | 0.3+ | 0.5- | 930416 413 | 0.4+ | 0.2- |
| 900820 809 | 0.4- | 0.2+ | 900826 809 | 0.6- | 0.2- | | | |
| 900820 809 | 0.1- | 0.2+ | 930317 809 | 0.3- | 0.2+ | | | |

1990 QB₈ = 1993 FC₁₆

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | 173.84386 | (2000.0) | <i>P</i> <i>Q</i> |
| <i>n</i> | 0.21524122 | ω 332.37544 | -0.55229861 -0.83181842 |
| <i>a</i> | 2.7575227 | Ω 151.04893 | +0.78434021 -0.54091791 |
| <i>e</i> | 0.0545064 | <i>i</i> 6.54507 | +0.28244766 -0.12444250 |
| <i>P</i> | 4.58 | <i>H</i> 13.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 900816 809 | 1.1+ | 0.2+ | 900824 809 | 0.6- | 1.0+ | 930317 809 | 0.6+ | 0.1+ |
| 900816 809 | 1.1+ | 0.2- | 900824 809 | 1.6- | 0.2+ | 930318 809 | 0.2+ | 1.0+ |
| 900816 809 | 0.2- | 2.1- | 900824 809 | 0.3+ | 0.9- | 930323 809 | 0.4- | 0.6- |
| 900818 809 | 0.8- | 0.6+ | 900826 809 | 0.7- | 0.5- | 930416 413 | 0.3- | 0.4- |
| 900818 809 | 0.2- | 1.1+ | 900826 809 | 0.2+ | 0.9+ | | | |
| 900818 809 | 0.3+ | 0.2+ | 900826 809 | 1.0+ | 0.3- | | | |

1990 QE₈ = 1988 CV₆ = 1993 FH₁₃

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | 170.34283 | (2000.0) | <i>P</i> <i>Q</i> |
| <i>n</i> | 0.21284078 | ω 343.41020 | -0.54445472 -0.83564396 |
| <i>a</i> | 2.7782169 | Ω 139.49790 | +0.78171033 -0.53687677 |
| <i>e</i> | 0.0490303 | <i>i</i> 6.41653 | +0.30413487 -0.11602808 |
| <i>P</i> | 4.63 | <i>H</i> 12.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 880215 046 | 1.3+ | 0.2+ | 900818 809 | 1.1- | 0.1+ | 900916 675 | 2.2+ | 0.9+ |
| 880215 046 | 1.6- | 1.5- | 900824 809 | 0.1- | 0.7- | 900916 675 | 1.6+ | 0.4+ |
| 900816 809 | 0.6+ | 0.3- | 900824 809 | 1.7- | 0.3- | 930317 809 | 1.4- | 0.0 |
| 900816 809 | 0.7+ | 0.3- | 900824 809 | 0.2+ | 0.3+ | 930318 809 | 0.9- | 0.0 |
| 900816 809 | 0.0 | 2.4- | 900826 809 | 1.4- | 0.7- | 930323 809 | 1.4+ | 1.1- |
| 900818 809 | 0.2+ | 0.8+ | 900826 809 | 0.5- | 0.6- | 930416 413 | 0.7+ | 0.6+ |
| 900818 809 | 0.4+ | 1.4+ | 900826 809 | 0.6- | 0.5- | | | |

1990 RD = 1992 BY₅ = 1993 FD₃₅

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | 269.49088 | (2000.0) | <i>P</i> <i>Q</i> |
| <i>n</i> | 0.20210236 | ω 206.33341 | +0.91795734 -0.39661550 |
| <i>a</i> | 2.8757764 | Ω 177.00621 | +0.38371118 +0.88326436 |
| <i>e</i> | 0.2255671 | <i>i</i> 7.81717 | +0.10059845 +0.25008041 |
| <i>P</i> | 4.88 | <i>H</i> 13.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 900914 675 | 0.7+ | 0.1- | 900920 675 | 0.7- | 0.5+ | 920128 691 | 0.1+ | 0.2- |
| 900914 675 | 0.6+ | 1.2- | 900925 809 | 0.8- | 0.1- | 920128 691 | 0.5+ | 0.1- |
| 900915 675 | 0.6- | 1.4+ | 900925 809 | 0.4- | 0.0 | 920128 691 | 0.6- | 0.1+ |
| 900915 675 | 0.5- | 1.7+ | 900925 809 | 0.0 | 0.0 | 930319 809 | 0.9+ | 0.7- |
| 900919 675 | 0.7+ | 1.3- | 900926 809 | 0.2+ | 0.5+ | 930320 809 | 0.2- | 0.0 |
| 900919 675 | 0.6+ | 2.4- | 900926 809 | 0.3+ | 0.3+ | 930324 809 | 0.8- | 0.4+ |
| 900920 675 | 0.6- | 0.2+ | 900926 809 | 0.4+ | 0.1+ | | | |

1990 RQ₈ = 1994 GE₃

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | 275.54052 | (2000.0) | <i>P</i> <i>Q</i> |
| <i>n</i> | 0.17760866 | ω 319.50577 | +0.84728629 +0.53112603 |
| <i>a</i> | 3.1344400 | Ω 8.41461 | -0.48124313 +0.77033198 |
| <i>e</i> | 0.1792297 | <i>i</i> 1.30361 | -0.22474653 +0.35283676 |
| <i>P</i> | 5.55 | <i>H</i> 13.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 900915 809 | 1.1- | 0.3+ | 900922 809 | 0.6+ | 0.2+ | 940406 691 | 0.1- | 0.3+ |
| 900915 809 | 0.9- | 0.2+ | 900922 809 | 0.9+ | 0.2+ | 940406 691 | 0.4+ | 0.5- |
| 900915 809 | 0.8- | 0.3+ | 900922 809 | 1.1+ | 0.2+ | 940406 691 | 0.3+ | 0.4- |
| 900921 809 | 0.2+ | 0.6- | 900923 809 | 0.3- | 0.6+ | 940416 691 | 0.0 | 0.3- |
| 900921 809 | 0.3+ | 0.7- | 900923 809 | 0.1- | 0.5+ | 940416 691 | 0.2- | 0.2- |
| 900921 809 | 0.6+ | 0.7- | 900923 809 | 0.1+ | 0.5+ | 940416 691 | 0.0 | 0.3- |
| 900922 809 | 0.2- | 0.0 | 900924 809 | 0.3- | 0.4- | 940416 691 | 0.0 | 0.0 |
| 900922 809 | 0.0 | 0.0 | 900924 809 | 0.4- | 0.4- | 940416 691 | 0.4- | 1.2+ |
| 900922 809 | 0.3+ | 0.1+ | 900924 809 | 0.0 | 0.4- | | | |

1990 SN₁ = 1991 CE₄ = 1933 UC₁Id. E. Bowell (1953, 1955 observations), G. V. Williams; 1990 VV₂ = 1933 UC₁ (*MPC* 17460) is invalid

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | 41.07917 | (2000.0) | <i>P</i> <i>Q</i> |
| <i>n</i> | 0.29374879 | ω 172.76573 | +0.77899007 -0.62468018 |
| <i>a</i> | 2.2412243 | Ω 226.04246 | +0.57144963 +0.74291564 |
| <i>e</i> | 0.1444771 | <i>i</i> 4.32653 | +0.25810812 +0.24052241 |
| <i>P</i> | 3.36 | <i>H</i> 13.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------------|--------|------------|------------|------|------------|------------|-------|-------|
| 331020 012(14.1- | 10.4-) | 900916 675 | 0.1- | 0.1- | 901013 033 | 0.1+ | 0.3+ | |
| 331023 012 | 0.5- | 0.4+ | 900917 675 | 0.2- | 0.5- | 901014 033 | 0.2+ | 0.4+ |
| 530816 675 | 0.0 | 0.6- | 900917 675 | 0.3- | 0.5- | 901015 046 | 1.4+ | 0.4+ |
| 530816 675 | 0.2+ | 0.2- | 900918 675 | 0.3- | 0.2+ | 901015 046 | 0.0 | 0.3+ |
| 531001 675 | 0.3+ | 1.3+ | 900918 675 | 0.3- | 0.4- | 901016 046 | 0.5- | 1.2- |
| 550420 675 | 0.6- | 0.3+ | 901011 033 | 0.4+ | 0.3- | 901016 046 | 0.0 | 0.6- |
| 550420 675 | 0.3+ | 0.9- | 901012 033 | 0.4- | 0.1+ | 910215 493 | 1.3+ | 0.2- |
| 900916 675 | 0.1+ | 0.0 | 901012 033 | 0.4- | 0.3+ | 910215 493 | (2.7- | 2.1-) |

1990 SB₆ = 1992 AP₆ = 1993 FD₃₃

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | 259.36549 | (2000.0) | <i>P</i> <i>Q</i> |
| <i>n</i> | 0.19519036 | ω 266.04163 | +0.85355647 -0.51891172 |
| <i>a</i> | 2.9432725 | Ω 125.21149 | +0.49778428 +0.78584719 |
| <i>e</i> | 0.1063792 | <i>i</i> 3.27000 | +0.15379259 +0.33641465 |
| <i>P</i> | 5.05 | <i>H</i> 13.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|--------|-------|
| 900915 809 | 0.4+ | 0.5- | 900925 809 | 0.7+ | 0.5+ | 930319 809 | 0.6+ | 0.4+ |
| 900915 809 | 0.7- | 0.2+ | 900925 809 | 0.1+ | 0.4- | 930320 809 | 0.4+ | 0.8- |
| 900915 809 | 0.4- | 0.2- | 900925 809 | 0.0 | 0.5- | 930324 809 | 1.1- | 0.1- |
| 900922 809 | 0.2- | 0.0 | 920109 691 | 0.5- | 0.0 | 930418 413 | (16.7- | 1.4+) |
| 900922 809 | 0.1- | 0.3- | 920109 691 | 0.1+ | 0.2+ | | | |
| 900922 809 | 0.2+ | 0.8+ | 920109 691 | 0.4+ | 0.3- | | | |

1990 SO₂₈ = 1990 RB₁₅ = 1990 ST₁₇ = 1990 TW₁₅ = 1981 UM₂₉Id. S. Nakano (*MPC* 20928), N. S. Chernykh (d, *ibid.*)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | | Williams | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | (2000.0) | | P | Q | |
| <i>n</i> | 0.21442659 | ω 329.56768 | +0.98221001 | +0.17674950 | |
| <i>a</i> | 2.7645023 | Ω 20.54183 | -0.11400263 | +0.82964628 | |
| <i>e</i> | 0.1445526 | <i>i</i> 10.41418 | -0.14922098 | +0.52957216 | |
| <i>P</i> | 4.60 | <i>H</i> 12.5 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------|-------|------------|-------|-------|
| 811024 675 | 0.4+ | 0.5+ | 900924 095 | (9.5+ | 7.5+) | 901014 095 | (1.8+ | 4.3+) |
| 811025 675 | 0.0 | 0.1- | 900924 095 | 0.3+ | 0.6- | 901014 095 | (0.8+ | 3.5-) |
| 811026 675 | 0.7- | 0.0 | 900924 046 | 1.0+ | 0.1- | 930319 809 | 0.5- | 0.0 |
| 900914 809 | 0.8- | 0.2- | 900924 046 | 1.2+ | 1.7+ | 930320 809 | 0.0 | 0.1- |
| 900914 809 | 1.1- | 0.3+ | 900926 095 | (3.6+ | 3.1-) | 930324 809 | 0.4+ | 0.4+ |
| 900914 809 | 0.9- | 0.7- | 900926 095 | (2.6+ | 1.2-) | 930421 413 | 0.8+ | 0.7+ |

1990 VB

Id. G. J. Garradd (1994 observations)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | | Williams | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | (2000.0) | | P | Q | |
| <i>n</i> | 0.25803167 | ω 102.23923 | +0.96823047 | +0.06109029 | |
| <i>a</i> | 2.4435471 | Ω 254.63538 | -0.14014355 | +0.93566689 | |
| <i>e</i> | 0.5277194 | <i>i</i> 14.56453 | +0.20709791 | +0.34755639 | |
| <i>P</i> | 3.82 | <i>H</i> 16.0 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|-------|-------|
| 901108 010 | 0.9+ | 0.3- | 901119 801 | 0.2+ | 0.3- | 910115 688 | 0.5+ | 0.3- |
| 901108 010 | 1.0- | 0.3+ | 901119 801 | 0.1- | 0.4- | 910118 010 | 2.2- | 0.4+ |
| 901108 010 | 0.4+ | 0.0 | 901120 801 | 0.1- | 0.2+ | 910118 010 | 1.6+ | 1.0+ |
| 901109 010 | 1.4+ | 0.2- | 901120 801 | 0.1- | 0.2+ | 910118 010 | 2.4+ | 1.7+ |
| 901112 010 | 1.0- | 0.1+ | 901123 010 | 1.9+ | 1.1- | 910118 010 | (4.2+ | 0.3-) |
| 901112 010 | 1.2- | 0.3+ | 901123 010 | (3.1- | 1.2+) | 910211 801 | 1.0- | 0.6- |
| 901114 010 | (4.7- | 0.5+) | 901207 010 | 0.7- | 0.8- | 940502 413 | 0.4- | 0.2- |
| 901116 801 | 0.4- | 0.4+ | 901207 010 | (6.8- | 1.1+) | 940502 413 | 0.5- | 0.0 |
| 901116 801 | 0.1- | 0.3- | 901207 010 | 0.8+ | 0.0 | 940502 413 | 0.2- | 0.3+ |
| 901118 675 | 0.5- | 1.0+ | 901207 010 | 0.3- | 0.1+ | 940504 413 | 0.7+ | 0.1+ |
| 901118 675 | 0.7- | 1.3+ | 901214 801 | 1.2- | 0.5- | 940504 413 | 0.3+ | 0.2+ |
| 901119 801 | 1.0+ | 0.4- | 901214 801 | 0.5- | 0.3- | | | |
| 901119 801 | 0.2+ | 0.3- | 910115 688 | 0.2- | 0.4- | | | |

1990 VK₆ = 1979 TJ₁ = 1993 FP₂₄

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | | Williams | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | (2000.0) | | P | Q | |
| <i>n</i> | 0.18684355 | ω 144.67087 | +0.92497666 | +0.37686820 | |
| <i>a</i> | 3.0302885 | Ω 193.45108 | -0.37869436 | +0.90333806 | |
| <i>e</i> | 0.1883568 | <i>i</i> 12.12828 | -0.03176110 | +0.20481872 | |
| <i>P</i> | 5.28 | <i>H</i> 13.0 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 791014 095 | 0.3- | 1.5+ | 901117 809 | 0.2+ | 0.4+ | 930326 809 | 0.3+ | 0.2- |
| 901115 809 | 0.7+ | 0.1+ | 901123 809 | 0.0 | 0.3- | 930417 691 | 0.8- | 0.2- |
| 901115 809 | 0.3+ | 0.4+ | 901123 809 | 0.0 | 0.2- | 930417 691 | 0.8- | 0.2- |
| 901115 809 | 1.8- | 0.5+ | 901123 809 | 0.7- | 0.5- | 930417 691 | 0.1+ | 0.9+ |
| 901117 809 | 0.9+ | 0.0 | 930321 809 | 0.7+ | 0.3+ | | | |
| 901117 809 | 0.4+ | 0.6- | 930322 809 | 0.9+ | 1.1+ | | | |

1991 FB

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | | Bardwell | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | (2000.0) | | P | Q | |
| <i>n</i> | 0.27059022 | ω 218.35446 | -0.54062131 | +0.83963937 | |
| <i>a</i> | 2.3673437 | Ω 19.09716 | -0.72701410 | -0.43502109 | |
| <i>e</i> | 0.5628619 | <i>i</i> 9.19684 | -0.42329552 | -0.32521127 | |
| <i>P</i> | 3.64 | <i>H</i> 19.0 | <i>G</i> 0.15 | | |

From 15 observations 1991 Mar. 12-Apr. 16, mean residual 0''.73.

1991 GH₃ = 1989 VQ₂ = 1993 TD₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | | Kinoshita | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | (2000.0) | | P | Q | |
| <i>n</i> | 0.24009056 | ω 188.09036 | +0.11698104 | -0.99300437 | |
| <i>a</i> | 2.5638109 | Ω 255.19282 | +0.91210988 | +0.11381862 | |
| <i>e</i> | 0.1379655 | <i>i</i> 0.95151 | +0.39290076 | +0.03142676 | |
| <i>P</i> | 4.11 | <i>H</i> 13.3 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 891102 374 | (1.5- | 5.1+) | 910410 809 | 1.2- | 1.4+ | 931015 400 | 1.2+ | 0.5- |
| 891102 374 | 0.9- | 0.4- | 910410 809 | 0.4- | 0.9+ | 931015 400 | 0.3- | 0.7- |
| 891102 374 | 0.7+ | 1.5+ | 910410 809 | 1.0- | 0.5+ | 931016 400 | 0.2- | 0.1+ |
| 910408 809 | 0.6+ | 0.4- | 910419 809 | 2.5+ | 0.3- | 931016 400 | 1.3- | 0.1- |
| 910408 809 | 0.9- | 1.6- | 910419 809 | 1.4- | 1.3+ | 931111 400 | 0.5+ | 0.5- |
| 910408 809 | 0.2- | 1.2- | 910419 809 | 1.7+ | 1.3- | 931111 400 | 0.6+ | 0.1+ |

1991 JG₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | | Bardwell | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | (2000.0) | | P | Q | |
| <i>n</i> | 0.61244263 | ω 322.58481 | -0.91278998 | +0.06004853 | |
| <i>a</i> | 1.3732800 | Ω 226.48835 | -0.07511579 | -0.99694225 | |
| <i>e</i> | 0.1844785 | <i>i</i> 33.85194 | -0.40146241 | +0.05000320 | |
| <i>P</i> | 1.61 | <i>H</i> 19.0 | <i>G</i> 0.15 | | |

From 14 observations 1991 May 9-June 18, mean residual 0''.79.

1991 PY₂ = 1938 DP₁ = 1975 FM = 1992 WA₆

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | | Kinoshita | | |
|----------|-----------|--------------------|---------------|-------------|--|
| <i>M</i> | (2000.0) | | P | Q | |
| <i>n</i> | 117.99514 | ω 168.81732 | -0.68422068 | -0.72294105 | |
| <i>a</i> | 2.3919662 | Ω 324.23643 | +0.65579988 | -0.55241305 | |
| <i>e</i> | 0.1255028 | <i>i</i> 9.44504 | +0.31901189 | -0.41496512 | |
| <i>P</i> | 3.70 | <i>H</i> 13.9 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 380220 024 | 2.8- | 4.5- | 910807 809 | 1.1- | 0.8- | 910814 809 | 0.7- | 0.2- |
| 750317 095 | 0.2+ | 0.0 | 910807 809 | 1.1- | 1.9- | 921121 675 | 0.5+ | 1.5- |
| 910802 809 | 1.2+ | 0.1- | 910807 809 | 0.5+ | 1.9- | 921121 675 | 0.5- | 0.5- |
| 910802 809 | 2.0+ | 0.9- | 910814 809 | 0.1+ | 0.0 | 921122 675 | 0.4+ | 0.6- |
| 910802 809 | 1.9+ | 0.1+ | 910814 809 | 0.1- | 0.2- | | | |

1991 PT₇ = 1950 NO₁ = 1983 EW₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Kinoshita | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | 331.07523 | (2000.0) | P Q |
| <i>n</i> | 0.26595401 | ω 264.62805 | +0.09790829 +0.99516846 |
| <i>a</i> | 2.3947767 | Ω 10.99876 | -0.89718643 +0.09145050 |
| <i>e</i> | 0.1876462 | <i>i</i> 2.20149 | -0.43066284 +0.03572885 |
| <i>P</i> | 3.71 | <i>H</i> 14.6 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 500711 839 | 0.2- | 0.3+ | 910806 809 | 0.1+ | 1.0- | 910904 809 | 0.8- | 0.4+ |
| 500714 839 | 0.3+ | 0.2+ | 910806 809 | 0.4+ | 1.3- | 910906 809 | 0.2- | 1.5- |
| 500714 839 | 0.2+ | 0.6+ | 910814 809 | 0.3+ | 0.9+ | 910906 809 | 0.9- | 0.9- |
| 500714 839 | 0.2- | 0.9+ | 910814 809 | 0.6- | 1.5+ | 910906 809 | 1.1- | 0.6- |
| 830311 381 | 1.6- | 0.8- | 910814 809 | 0.3+ | 1.2+ | 910907 809 | 0.5+ | 1.1+ |
| 830311 381 | 0.6+ | 1.3- | 910904 809 | 0.7+ | 1.0- | 910907 809 | 0.2- | 0.5+ |
| 910806 809 | 0.9+ | 1.4- | 910904 809 | 1.0+ | 0.0 | 910907 809 | 0.4+ | 0.5- |

1991 RZ₁ = 1994 GH₁

Id. S. Nakano, E. F. Helin

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Nakano | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | 8.75393 | (2000.0) | P Q |
| <i>n</i> | 0.28110323 | ω 74.93228 | -0.18679364 +0.98188055 |
| <i>a</i> | 2.3079452 | Ω 184.66889 | -0.98231058 -0.18711451 |
| <i>e</i> | 0.1926646 | <i>i</i> 23.08633 | -0.01319304 +0.02997901 |
| <i>P</i> | 3.51 | <i>H</i> 13.2 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------|-------|------------|-------|-------|
| 910907 675 | 1.0+ | 0.2- | 910909 675 | 0.0 | 0.0 | 940413 675 | 0.2- | 0.0 |
| 910907 675 | 0.3+ | 0.2+ | 910909 675 | (5.8- | 2.4+) | 940413 675 | 0.8- | 0.1- |
| 910907 675 | 0.2- | 0.9+ | 911010 675 | 1.4+ | 0.8+ | 940415 400 | 0.9- | 1.6+ |
| 910907 675 | 1.8- | 1.5- | 911010 675 | 1.5+ | 0.8+ | 940415 400 | (0.8+ | 7.2-) |
| 910909 675 | 0.6- | 0.6+ | 940411 675 | 0.9+ | 0.5- | 940416 400 | 0.4- | 0.3- |
| 910909 675 | 1.1- | 1.3- | 940411 675 | 1.4+ | 0.4- | 940416 400 | (0.3+ | 7.4-) |

1991 RB₃ = 1993 FN₃₀

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | 290.90930 | (2000.0) | P Q |
| <i>n</i> | 0.29691345 | ω 147.51560 | +0.73376634 -0.67760468 |
| <i>a</i> | 2.2252704 | Ω 255.22414 | +0.61191973 +0.69071896 |
| <i>e</i> | 0.1455770 | <i>i</i> 2.92758 | +0.29519690 +0.25250587 |
| <i>P</i> | 3.32 | <i>H</i> 14.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 910909 033 | 0.2- | 0.5- | 910914 033 | 0.6+ | 0.5+ | 930322 809 | 0.6+ | 0.3- |
| 910910 033 | 0.0 | 0.2+ | 911004 033 | 0.2- | 0.1- | 930326 809 | 0.6+ | 0.4- |
| 910912 033 | 0.4+ | 0.5- | 911004 033 | 0.1+ | 0.2+ | 930417 413 | 0.6+ | 0.9+ |
| 910912 033 | 0.1+ | 0.5+ | 911005 033 | 0.9- | 0.5+ | | | |
| 910913 033 | 0.0 | 0.3- | 930321 809 | 1.6- | 0.3+ | | | |

1991 RA₅ = 1993 FD₄

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | 235.36895 | (2000.0) | P Q |
| <i>n</i> | 0.29250810 | ω 112.60551 | -0.12715763 -0.99173325 |
| <i>a</i> | 2.2475574 | Ω 344.66997 | +0.88446207 -0.10551711 |
| <i>e</i> | 0.0653881 | <i>i</i> 3.73184 | +0.44895187 -0.07301577 |
| <i>P</i> | 3.37 | <i>H</i> 15.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 910913 033 | 0.1- | 0.2+ | 911004 033 | 0.9+ | 0.0 | 911010 691 | 1.5- | 0.1+ |
| 910913 033 | 0.2+ | 0.1- | 911004 033 | 0.4+ | 0.0 | 920102 691 | 0.3- | 0.3+ |
| 910913 033 | 0.4- | 0.5+ | 911007 033 | 1.2+ | 0.1- | 920102 691 | 0.9- | 0.4+ |
| 910914 033 | 0.6- | 0.1+ | 911007 033 | 0.6+ | 0.6- | 920102 691 | 1.1+ | 0.2- |
| 910915 033 | 0.1+ | 0.5- | 911008 033 | 0.5+ | 0.2- | 930319 809 | 0.0 | 0.1- |
| 910915 033 | 0.0 | 0.4+ | 911009 033 | 1.3+ | 0.2- | 930320 809 | 0.2+ | 0.2- |
| 910918 033 | 0.3- | 0.3+ | 911010 691 | 1.7- | 0.3+ | 930324 809 | 0.1- | 0.1+ |
| 911003 033 | 1.1+ | 0.6- | 911010 691 | 1.4- | 0.1- | 930417 413 | 0.3- | 0.2- |

1991 SO = 1979 VC₃ = 1983 US

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Kinoshita | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | 229.86493 | (2000.0) | P Q |
| <i>n</i> | 0.24138153 | ω 352.49150 | +0.68230704 -0.72279813 |
| <i>a</i> | 2.5546615 | Ω 54.40823 | +0.67755281 +0.56889157 |
| <i>e</i> | 0.3297509 | <i>i</i> 7.74836 | +0.27455288 +0.39233307 |
| <i>P</i> | 4.08 | <i>H</i> 15.2 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 791114 095 | 0.3+ | 0.9- | 910930 413 | 0.2+ | 0.1+ | 911009 413 | 0.3- | 0.0 |
| 831030 675 | 1.0- | 0.7+ | 911001 413 | 0.5+ | 0.2- | 911012 413 | 0.2+ | 0.4- |
| 831104 675 | 0.4+ | 0.4+ | 911009 413 | 0.4- | 0.2- | | | |

1991 SE₂ = 1994 GM

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | 315.52985 | (2000.0) | P Q |
| <i>n</i> | 0.27167052 | ω 145.07340 | +0.68689074 +0.72671061 |
| <i>a</i> | 2.3610637 | Ω 168.30298 | -0.67600824 +0.64318897 |
| <i>e</i> | 0.2307673 | <i>i</i> 2.41215 | -0.26682200 +0.24124601 |
| <i>P</i> | 3.63 | <i>H</i> 14.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------|-------|------------|------|------|
| 910907 691 | 0.1+ | 0.6+ | 910916 675 | 0.3+ | 0.4- | 940408 596 | 0.9+ | 0.5+ |
| 910907 691 | 0.2- | 0.4+ | 940406 596 | 0.1+ | 0.5- | 940410 596 | 1.8- | 0.4+ |
| 910907 691 | 0.1+ | 0.2+ | 940406 596 | 0.7- | 1.1+ | 940410 596 | 2.0+ | 0.1- |
| 910910 675 | 0.1- | 0.1+ | 940406 596 | 1.2+ | 0.2+ | 940410 596 | 1.6- | 1.9- |
| 910910 675 | 0.2+ | 0.2- | 940406 596 | 0.1- | 0.2+ | | | |
| 910916 675 | 0.4- | 0.7- | 940408 596 | (3.2- | 2.9+) | | | |

1991 SM₂ = 1993 FU₁₀

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|-------------------|-------------------------|
| <i>M</i> | 255.93649 | (2000.0) | P Q |
| <i>n</i> | 0.28778866 | ω 58.27268 | +0.27391096 -0.96118191 |
| <i>a</i> | 2.2720625 | Ω 15.93227 | +0.83641322 +0.22103210 |
| <i>e</i> | 0.0657720 | <i>i</i> 6.94635 | +0.47474806 +0.16514884 |
| <i>P</i> | 3.42 | <i>H</i> 14.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 910911 675 | 1.5+ | 0.8+ | 910916 675 | 1.4- | 0.4- | 930323 809 | 1.5+ | 1.0+ |
| 910911 675 | 0.7+ | 0.7+ | 911108 675 | 0.3+ | 0.7- | 930324 691 | 0.7+ | 0.0 |
| 910913 675 | 0.4- | 0.6+ | 911108 675 | 0.5+ | 0.9+ | 930324 691 | 0.0 | 0.5- |
| 910913 675 | 1.3- | 0.2- | 930319 809 | 0.4- | 0.1- | 930324 691 | 0.1- | 0.3- |
| 910916 675 | 0.5- | 0.7- | 930320 809 | 0.4+ | 0.4- | 930417 413 | 1.6- | 1.4+ |

1991 TC

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Bardwell

| <i>M</i> | 272.84866 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.22939312 | ω 284.10263 | +0.17345733 | +0.98419072 |
| <i>a</i> | 2.6429105 | Ω 355.40978 | -0.63865777 | +0.08474428 |
| <i>e</i> | 0.4221249 | <i>i</i> 26.56801 | -0.74968581 | +0.15552182 |
| <i>P</i> | 4.30 | <i>H</i> 15.0 | <i>G</i> 0.15 | |

From 10 observations 1991 Sept. 30–Nov. 26, mean residual 0^{''}.64.**1991 TG₂ = 1993 FK₁₂**

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 239.17742 | (2000.0) | P | Q |
|----------|------------|-------------------|---------------|-------------|
| <i>n</i> | 0.23863371 | ω 1.75801 | +0.67586132 | -0.73320100 |
| <i>a</i> | 2.5742350 | Ω 45.73031 | +0.67492583 | +0.57480342 |
| <i>e</i> | 0.3062741 | <i>i</i> 6.01364 | +0.29611925 | +0.36334187 |
| <i>P</i> | 4.13 | <i>H</i> 14.0 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 911009 691 | 0.5– | 0.0 | 911010 691 | 0.6– | 0.0 | 930317 809 | 0.4– | 0.0 |
| 911009 691 | 0.4– | 0.1– | 911013 877 | 0.0 | 2.2+ | 930318 809 | 0.7+ | 0.4+ |
| 911009 691 | 0.3– | 0.2– | 911013 877 | 0.5+ | 1.2– | 930323 809 | 0.5+ | 0.8– |
| 911010 691 | 0.7– | 0.3+ | 911015 877 | 0.3+ | 0.4– | 930416 413 | 0.5– | 0.8+ |
| 911010 691 | 0.6– | 0.3+ | 911015 877 | 1.9+ | 0.5– | | | |

1991 UM = 1978 VT₁₁Id. H. Kaneda (*MPC* 19511)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 311.14704 | (2000.0) | P | Q |
|----------|------------|-------------------|---------------|-------------|
| <i>n</i> | 0.29844763 | ω 20.71722 | +0.85243967 | -0.52278612 |
| <i>a</i> | 2.2176378 | Ω 10.80903 | +0.47473286 | +0.76881974 |
| <i>e</i> | 0.0989576 | <i>i</i> 1.96350 | +0.21903270 | +0.36825382 |
| <i>P</i> | 3.30 | <i>H</i> 14.0 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 781105 675 | 1.1+ | 0.1+ | 911019 399 | 0.2– | 0.2– | 930319 809 | 1.7– | 1.6+ |
| 781106 675 | 0.4+ | 0.2+ | 911028 399 | 1.5– | 0.4+ | 930320 809 | 0.2– | 0.5+ |
| 781107 675 | 1.2– | 0.4– | 911028 399 | 0.9– | 0.4– | 930324 809 | 1.9+ | 0.4– |
| 781108 675 | 0.2– | 0.4– | 911029 399 | 1.0+ | 0.0 | 930417 691 | 0.3– | 0.6– |
| 911018 399 | 0.4+ | 0.2– | 911029 399 | 0.4+ | 1.1+ | 930417 691 | 0.2– | 0.5– |
| 911018 399 | 0.2– | 1.3– | 911031 399 | 0.0 | 0.0 | 930417 691 | 0.3– | 0.5– |
| 911019 399 | 0.3– | 0.0 | 911031 399 | 1.2+ | 0.8+ | 930421 413 | 0.6+ | 0.3– |

1991 UQ = 1977 RY₅ = 1990 FR₅ = 1993 CC₂

Id. K. Kinoshita (k), S. Nakano

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Nakano

| <i>M</i> | 7.20328 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.28396495 | ω 284.20786 | +0.55671585 | +0.83048357 |
| <i>a</i> | 2.2924131 | Ω 19.65738 | -0.73859651 | +0.50537626 |
| <i>e</i> | 0.1441238 | <i>i</i> 3.25355 | -0.38018767 | +0.23429014 |
| <i>P</i> | 3.47 | <i>H</i> 13.5 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 770909 095 | 0.4– | 0.7+ | 911019 399 | 2.7+ | 1.1+ | 911031 399 | 0.1+ | 0.7+ |
| 900329 400 | 1.7+ | 3.6+ | 911028 399 | 0.3– | 0.3– | 930213 372 | 1.7+ | 1.1– |
| 900329 400 | (0.7+ | 6.5+) | 911028 399 | 1.3– | 0.3– | 930213 372 | 0.4– | 0.6– |
| 911018 399 | 1.5+ | 0.0 | 911029 399 | 1.7– | 2.0+ | 930217 372 | 2.0– | 0.2– |

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 911018 399 | 0.6– | 0.9+ | 911029 399 | 0.5– | 1.4– | 930217 372 | 0.5+ | 1.0+ |
| 911019 399 | 1.1+ | 0.1+ | 911031 399 | 2.2– | 0.6– | | | |

1991 UF₁ = 1993 FR₃₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 276.91498 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.26893064 | ω 308.58525 | +0.74134875 | -0.66849576 |
| <i>a</i> | 2.3770730 | Ω 93.45056 | +0.63273434 | +0.66676303 |
| <i>e</i> | 0.2101962 | <i>i</i> 3.40531 | +0.22371697 | +0.32945481 |
| <i>P</i> | 3.66 | <i>H</i> 14.5 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 911018 399 | 0.7+ | 1.1– | 911031 399 | 0.9– | 1.2– | 930319 809 | 0.5+ | 0.0 |
| 911018 399 | 1.6– | 2.5– | 911104 399 | 1.3+ | 1.1+ | 930320 809 | 0.5+ | 0.2+ |
| 911019 399 | 1.6+ | 2.2+ | 911104 399 | 1.7– | 0.3+ | 930324 809 | 1.0– | 0.1– |
| 911019 399 | 0.3– | 1.4+ | 911109 399 | 0.1– | 0.2– | | | |
| 911031 399 | 0.0 | 1.0+ | 911109 399 | 1.0+ | 1.0– | | | |

1991 UC₂ = 1983 QG₁Id. H. Kaneda (*MPC* 19512)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 244.12868 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.25937219 | ω 191.64775 | +0.32489196 | -0.94550112 |
| <i>a</i> | 2.4351204 | Ω 239.39658 | +0.86972603 | +0.30772823 |
| <i>e</i> | 0.1297548 | <i>i</i> 1.44769 | +0.37151292 | +0.10644706 |
| <i>P</i> | 3.80 | <i>H</i> 14.0 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 830831 675 | 0.4– | 0.2+ | 911029 399 | 0.4+ | 1.1+ | 930321 809 | 0.6– | 0.6– |
| 830901 675 | 0.3+ | 0.8– | 911031 399 | 1.8– | 0.6+ | 930322 809 | 0.2+ | 0.8– |
| 830902 675 | 0.1+ | 0.1+ | 911031 399 | 0.7+ | 0.0 | 930418 413 | 0.3+ | 1.0+ |
| 830902 675 | 0.1+ | 0.1+ | 911109 399 | 0.8+ | 1.2– | | | |
| 911029 399 | 0.7– | 0.1+ | 911109 399 | 0.6+ | 0.7– | | | |

1991 UT₃ = 1993 FR₁₆

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 329.15762 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.29481078 | ω 273.59723 | +0.95734326 | -0.27904616 |
| <i>a</i> | 2.2358387 | Ω 102.61686 | +0.28611128 | +0.87910795 |
| <i>e</i> | 0.1393344 | <i>i</i> 4.40870 | +0.04042545 | +0.38639675 |
| <i>P</i> | 3.34 | <i>H</i> 13.5 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------|-------|------------|------|------|
| 911031 400 | 1.8+ | 0.9+ | 911105 894 | (3.2– | 2.2–) | 911202 400 | 0.3– | 0.1+ |
| 911031 400 | 1.1+ | 0.5+ | 911105 894 | 0.2+ | 0.8– | 930317 809 | 1.9– | 1.1+ |
| 911102 400 | 0.2– | 0.7+ | 911111 894 | 1.4– | 0.9– | 930318 809 | 1.9– | 1.4+ |
| 911102 400 | 0.2+ | 0.1– | 911111 894 | 0.7– | 0.1+ | 930323 809 | 2.3+ | 1.2– |
| 911102 400 | 0.2+ | 1.5– | 911202 400 | 0.8– | 0.6+ | 930416 413 | 1.3+ | 1.8– |

1991 VY = 1993 FV₁₇

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 248.45635 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.25649613 | ω 357.99194 | +0.39795952 | -0.91248092 |
| <i>a</i> | 2.4532897 | Ω 68.54676 | +0.84311565 | +0.32299268 |
| <i>e</i> | 0.0931581 | <i>i</i> 5.85256 | +0.36164102 | +0.25110616 |
| <i>P</i> | 3.84 | <i>H</i> 13.0 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | |
|----------------------|----------------------|----------------------|
| 911029 400 0.0 0.2- | 911104 691 0.2- 0.0 | 911202 400 0.8+ 0.4- |
| 911029 400 0.6- 0.1- | 911104 400 0.6+ 0.6- | 930317 809 0.3+ 0.8+ |
| 911102 400 0.8- 0.8+ | 911104 691 0.3- 0.0 | 930318 809 0.5- 0.1+ |
| 911102 400 0.9+ 0.5- | 911104 400 1.0+ 0.8+ | 930323 809 0.2+ 0.8- |
| 911104 691 0.2- 0.2- | 911202 400 1.1- 0.4+ | 930416 413 0.0 0.1- |

1991 VF₇ = 1993 FH₃₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 90.21917 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.26190383 | ω 352.54661 | -0.54384172 | +0.83477441 |
| <i>a</i> | 2.4194026 | Ω 244.47150 | -0.76494134 | -0.53523969 |
| <i>e</i> | 0.0316019 | <i>i</i> 5.46583 | -0.34511003 | -0.12911297 |
| <i>P</i> | 3.76 | <i>H</i> 13.0 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | |
|------------------------|------------------------|----------------------|
| 911111 399 0.7- 0.4- | 911203 675 0.4+ 1.2- | 911214 399 1.0+ 1.3+ |
| 911111 399 1.0+ 0.3- | 911203 675 0.7+ 1.2- | 911214 399 1.4- 0.5+ |
| 911113 399 2.0- 0.2- | 911205 399 0.3- 0.4- | 930321 809 1.9- 0.9+ |
| 911113 399 0.0 1.3+ | 911205 399 0.6+ 0.5+ | 930322 809 1.3+ 0.9- |
| 911201 675 (3.2- 0.2-) | 911207 399 (3.2- 1.6-) | 930326 809 1.8+ 0.8- |
| 911201 675 0.9+ 0.3+ | 911207 399 (3.5- 3.6-) | 930417 413 1.3- 0.8+ |

1992 AP₁ = 1968 UR = 1985 WO = 1993 FM₅₀

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 212.37171 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.17608355 | ω 144.72557 | +0.58720930 | -0.80931229 |
| <i>a</i> | 3.1525128 | Ω 269.31115 | +0.73936504 | +0.54338556 |
| <i>e</i> | 0.1345924 | <i>i</i> 0.80805 | +0.32943068 | +0.22303758 |
| <i>P</i> | 5.60 | <i>H</i> 12.0 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | |
|----------------------|----------------------|----------------------|
| 681022 095 1.0+ 0.7- | 920114 372 0.9+ 1.0- | 930320 809 0.2+ 0.2+ |
| 681026 095 1.0- 0.7+ | 920114 372 2.0- 1.5+ | 930324 809 0.2- 0.3- |
| 851120 095 0.0 0.3- | 920123 372 1.8+ 0.5- | 930417 413 0.5- 0.2+ |
| 920112 372 0.4+ 0.5+ | 920123 372 1.8+ 1.3- | |
| 920112 372 2.7- 1.2+ | 930319 809 0.4+ 0.4- | |

1992 HF

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Bardwell

| <i>M</i> | 99.70378 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.60092592 | ω 128.03836 | +0.93757541 | +0.32361109 |
| <i>a</i> | 1.3907704 | Ω 213.63333 | -0.34443903 | +0.91469315 |
| <i>e</i> | 0.5617396 | <i>i</i> 13.29691 | +0.04810506 | +0.24209980 |
| <i>P</i> | 1.64 | <i>H</i> 20.5 | <i>G</i> 0.15 | |

From 19 observations 1992 Apr. 24-June 2, mean residual 0".50.

1992 SL

Id. R. H. McNaught (1994 observations)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 341.98763 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.46865243 | ω 344.50693 | +0.96862029 | +0.24852819 |
| <i>a</i> | 1.6414795 | Ω 1.11511 | -0.20918512 | +0.82149428 |
| <i>e</i> | 0.3339117 | <i>i</i> 8.59906 | -0.13422486 | +0.51320648 |
| <i>P</i> | 2.10 | <i>H</i> 17.5 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | |
|------------------------|--------------------------|----------------------|
| 920924 675 (5.8- 2.2-) | 921002 410 1.3+ 1.5- | 921120 657 0.3+ 0.3+ |
| 920924 675 2.0- 0.3+ | 921002 410 0.1+ 0.4+ | 921120 657 0.2+ 0.4+ |
| 920926 675 0.5+ 0.6+ | 921002 900 0.1+ 0.7- | 921120 657 0.1- 1.0+ |
| 920926 675 0.3+ 0.9+ | 921002 900 0.1- 1.2- | 921120 657 0.3+ 0.6+ |
| 920926 402 0.0 1.0- | 921003 675 1.3- 1.5+ | 921121 801 1.4+ 0.4- |
| 920926 402 0.4+ 0.8- | 921003 675 (2.9+ 4.9-) | 921121 801 0.4+ 0.0 |
| 920927 402 0.8- 1.0- | 921005 670 (2.0+ 0.2-) | 921124 657 0.0 0.1+ |
| 920927 402 0.8- 0.9- | 921005 670 (0.0 2.7+) | 921124 657 1.1+ 0.8- |
| 920929 675 0.4- 1.5+ | 921005 372 0.7- 2.0+ Y | 921124 657 0.3+ 0.3+ |
| 920929 675 (0.6+ 4.7-) | 921005 372 (2.7+ 2.5-) Y | 921129 801 0.3+ 0.2+ |
| 920930 801 0.3- 0.5- | 921020 675 0.6+ 0.8- | 921129 801 0.1+ 0.1- |
| 920930 801 0.4- 0.6- | 921020 675 1.7+ 1.6- | 921201 658 0.8- 0.0 |
| 920930 801 0.1- 0.8- | 921022 801 0.5+ 0.2- | 921201 658 1.2- 0.1- |
| 920930 801 0.0 0.9- | 921022 801 1.0+ 1.5- | 921201 658 1.4- 0.1- |
| 921001 670 1.0+ 0.8+ | 921027 657 0.2+ 0.0 | 921201 658 1.3- 0.0 |
| 921001 670 (1.5- 2.6+) | 921027 657 0.1+ 0.1- | 921203 658 1.1- 0.3- |
| 921001 670 0.7+ 0.4+ | 921027 657 0.4+ 0.2+ | 921203 658 0.8- 0.0 |
| 921001 670 (2.7+ 0.9-) | 921028 801 0.3+ 0.1- | 921203 658 1.3- 0.3- |
| 921002 400 (1.6+ 3.3-) | 921028 801 0.4+ 0.1- | 940502 413 0.4- 0.5- |
| 921002 400 (0.5- 4.3-) | 921101 670 0.1- 1.2+ | 940502 413 0.4- 0.6- |
| 921002 400 0.3- 1.4+ | 921101 670 (3.6+ 0.9-) | 940503 413 0.2+ 0.2- |
| 921002 400 1.2- 1.7+ | 921101 670 0.3- 0.8- | 940503 413 0.5- 0.4- |
| 921002 400 0.4+ 0.6- | 921103 657 0.6+ 0.2+ | 940503 413 0.4+ 0.6- |
| 921002 400 (0.3- 4.0+) | 921103 657 0.3+ 0.4+ | |
| 921002 410 0.4+ 0.7+ | 921103 657 0.5+ 0.1+ | |

1992 SB₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Bardwell

| <i>M</i> | 140.28125 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.17486069 | ω 346.93476 | +0.98115651 | +0.19293568 |
| <i>a</i> | 3.1671935 | Ω 2.02953 | -0.14016851 | +0.74773043 |
| <i>e</i> | 0.1676645 | <i>i</i> 17.04262 | -0.13298382 | +0.63535426 |
| <i>P</i> | 5.64 | <i>H</i> 11.5 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | |
|------------------------|------------------------|----------------------|
| 920923 400 0.4+ 0.2- | 921001 400 (2.1- 0.6+) | 921121 801 0.1- 0.2+ |
| 920923 400 0.2+ 0.3- | 921001 400 0.2+ 0.9- | 921121 801 0.1- 0.2+ |
| 920925 046 0.5- 0.7- | 921002 675 0.7- 1.6- | 921222 801 0.2+ 0.2- |
| 920925 046 1.8+ 1.6+ | 921002 675 0.4+ 0.4- | 921222 801 0.2+ 0.1+ |
| 920926 046 (2.4+ 1.0+) | 921002 400 0.3- 0.4+ | 921226 801 0.3+ 0.1- |
| 920927 046 0.9+ 1.6+ | 921002 400 0.6+ 0.6+ | 921226 801 0.5- 0.2+ |
| 920927 046 1.3- 1.1+ | 921004 675 (0.9- 2.5-) | 931116 801 0.3+ 0.1- |
| 920928 400 0.5- 0.1+ | 921004 675 0.1- 1.9- | 931116 801 0.4- 0.5+ |
| 920928 400 0.9- 0.4- | 921019 400 0.9- 0.2+ | 940313 801 0.5+ 0.5+ |
| 921001 675 0.0 0.3+ | 921019 400 0.9+ 0.0 | 940313 801 0.4- 1.0- |

1992 TA

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | Bardwell | |
|---|------------|--------------------|---------------|-------------|----------|--|
| <i>M</i> | 230.51309 | (2000.0) | P | Q | | |
| <i>n</i> | 0.39164985 | ω 80.51146 | +0.23494076 | -0.97138203 | | |
| <i>a</i> | 1.8501378 | Ω 355.43107 | +0.62666671 | +0.17883809 | | |
| <i>e</i> | 0.2894312 | <i>i</i> 26.00441 | +0.74302871 | +0.15631342 | | |
| <i>P</i> | 2.52 | <i>H</i> 17.0 | <i>G</i> 0.15 | | | |

From 20 observations 1992 Oct. 2–Nov. 18, mean residual 0".42.

1992 UX₅ = 1987 HO₂ = 1994 GJ₁

| Id. K. Watanabe (k), S. Nakano | | | | | Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | Nakano | |
|--------------------------------|------------|--------------------|---------------|-------------|---|--|--------|--|
| <i>M</i> | 124.76798 | (2000.0) | P | Q | | | | |
| <i>n</i> | 0.28555692 | ω 320.48854 | -0.51324244 | -0.85766642 | | | | |
| <i>a</i> | 2.2838851 | Ω 160.32890 | +0.80919116 | -0.49580259 | | | | |
| <i>e</i> | 0.0788215 | <i>i</i> 5.36470 | +0.28599277 | -0.13633819 | | | | |
| <i>P</i> | 3.45 | <i>H</i> 13.2 | <i>G</i> 0.15 | | | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------|-------|------------|-------|-------|
| 870425 054 | 0.1+ | 0.2+ | 921117 400 | (3.8– | 2.1–) | 940413 400 | (4.6+ | 0.3–) |
| 921028 400 | 0.8+ | 1.5+ | 921117 400 | 2.3– | 0.1+ | 940415 400 | 1.2– | 0.5– |
| 921028 400 | 0.6– | 0.1– | 921121 400 | 2.2+ | 0.1– | 940415 400 | 0.7+ | 0.1+ |
| 921102 400 | 0.5+ | 0.3+ | 921121 400 | 1.6+ | 0.1– | | | |
| 921102 400 | 2.2– | 1.4– | 940413 400 | 0.6+ | 0.4+ | | | |

1992 WJ₃ = 1994 GG₉

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | Nakano | |
|---|------------|--------------------|---------------|-------------|--------|--|
| <i>M</i> | 29.38124 | (2000.0) | P | Q | | |
| <i>n</i> | 0.28006715 | ω 43.56927 | -0.79158179 | +0.61097569 | | |
| <i>a</i> | 2.3136337 | Ω 174.06364 | -0.58447824 | -0.75209664 | | |
| <i>e</i> | 0.0700404 | <i>i</i> 5.73926 | -0.17827913 | -0.24710189 | | |
| <i>P</i> | 3.52 | <i>H</i> 13.3 | <i>G</i> 0.15 | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 921117 691 | 0.2+ | 0.2+ | 921123 372 | 0.0 | 1.2– | 940411 399 | 0.9– | 1.1+ |
| 921117 691 | 0.3+ | 0.1+ | 921123 372 | 1.7+ | 0.8– | 940413 399 | 1.2+ | 1.2– |
| 921117 691 | 0.4+ | 0.1+ | 921125 372 | 0.6– | 0.9– | 940413 399 | 0.0 | 0.6– |
| 921121 372 | 1.4– | 1.7+ | 921125 372 | 0.1+ | 0.1– | | | |
| 921121 372 | 0.6– | 0.9+ | 940411 399 | 0.4– | 0.7+ | | | |

1992 WR₄

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | Bardwell | |
|---|------------|--------------------|---------------|-------------|----------|--|
| <i>M</i> | 229.96381 | (2000.0) | P | Q | | |
| <i>n</i> | 0.35867008 | ω 201.15222 | +0.34082292 | -0.93749295 | | |
| <i>a</i> | 1.9618808 | Ω 228.99299 | +0.87537591 | +0.34374333 | | |
| <i>e</i> | 0.3369181 | <i>i</i> 5.34783 | +0.34286550 | +0.05429083 | | |
| <i>P</i> | 2.75 | <i>H</i> 17.0 | <i>G</i> 0.15 | | | |

From 20 observations 1992 Nov. 19–Dec. 24, mean residual 0".74.

1992 XA

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | Bardwell | |
|---|------------|--------------------|---------------|-------------|----------|--|
| <i>M</i> | 100.45464 | (2000.0) | P | Q | | |
| <i>n</i> | 0.15226336 | ω 184.55986 | +0.49133240 | -0.79796155 | | |
| <i>a</i> | 3.4732746 | Ω 236.41210 | +0.81176787 | +0.56478799 | | |
| <i>e</i> | 0.4759298 | <i>i</i> 24.77352 | +0.31563492 | -0.21040887 | | |
| <i>P</i> | 6.47 | <i>H</i> 17.5 | <i>G</i> 0.15 | | | |

From 19 observations 1992 Dec. 1–1993 Jan. 1, mean residual 0".46.

1992 YE₃ = 1983 GS₂ = 1994 EY₁

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | Williams | |
|---|------------|--------------------|---------------|-------------|----------|--|
| <i>M</i> | 49.95000 | (2000.0) | P | Q | | |
| <i>n</i> | 0.17505934 | ω 58.17158 | -0.93950237 | -0.27637581 | | |
| <i>a</i> | 3.1647970 | Ω 105.10892 | +0.19762012 | -0.91986530 | | |
| <i>e</i> | 0.1275984 | <i>i</i> 12.09956 | +0.27978845 | -0.27832399 | | |
| <i>P</i> | 5.63 | <i>H</i> 11.5 | <i>G</i> 0.15 | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|--------------|------|------|--------------|-------|-------|
| 830411 095 | 0.1+ | 0.1+ | 921229 403 | 1.2+ | 0.1– | 940329 111 | 0.1+ | 0.5– |
| 921217 399 | 0.7+ | 1.0+ | 921230 886 | 2.3– | 1.7– | Y 940329 111 | 0.8+ | 0.1– |
| 921217 399 | 1.5– | 0.8+ | 921230 886 | 0.9– | 1.8+ | Y 940329 111 | 0.5– | 0.1– |
| 921218 403 | 1.0– | 1.8– | 940311 098 | 0.4– | 1.6+ | 940329 111 | 0.5+ | 0.3+ |
| 921218 403 | 0.9– | 0.1– | 940312 098 | 0.4– | 0.7+ | 940406 111 | 0.8+ | 1.2– |
| 921225 403 | 0.2+ | 1.5+ | Y 940312 098 | 0.4– | 0.6+ | 940406 111 | 0.1+ | 0.6– |
| 921225 403 | (3.6– | 1.4–) | Y 940318 108 | 0.1– | 0.1+ | 940406 111 | 0.8– | 1.0– |
| 921229 403 | 2.6+ | 0.5– | 940318 108 | 0.1– | 1.1– | 940406 111 | (2.7+ | 1.2–) |
| 921229 403 | 2.0+ | 0.9– | 940318 108 | 0.5+ | 0.9+ | 940406 111 | 0.3– | 0.2+ |

1993 BD₂

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | Bardwell | |
|---|------------|-------------------|---------------|-------------|----------|--|
| <i>M</i> | 157.82651 | (2000.0) | P | Q | | |
| <i>n</i> | 0.31865809 | ω 65.07894 | -0.86420042 | -0.26343908 | | |
| <i>a</i> | 2.1228505 | Ω 97.19446 | +0.13371404 | -0.94158755 | | |
| <i>e</i> | 0.3934791 | <i>i</i> 25.59908 | +0.48505483 | -0.20979214 | | |
| <i>P</i> | 3.09 | <i>H</i> 19.0 | <i>G</i> 0.15 | | | |

From 15 observations 1993 Jan. 22–Feb. 22, mean residual 0".47.

1993 BU₃

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | Bardwell | |
|---|------------|--------------------|---------------|-------------|----------|--|
| <i>M</i> | 162.27904 | (2000.0) | P | Q | | |
| <i>n</i> | 0.26408046 | ω 144.33408 | -0.18760858 | -0.98018075 | | |
| <i>a</i> | 2.4060900 | Ω 316.37918 | +0.87844830 | -0.13844800 | | |
| <i>e</i> | 0.5137811 | <i>i</i> 5.29205 | +0.43946742 | -0.14169631 | | |
| <i>P</i> | 3.73 | <i>H</i> 21.0 | <i>G</i> 0.15 | | | |

From 15 observations 1993 Jan. 29–Mar. 3, mean residual 0".16.

1993 BE₅ = 1984 YC₂ = 1990 TB₁₂ = 1994 GX₈

| Epoch 1994 Sep. 5.0 TT = JDT 2449600.5 | | | | | Nakano | |
|--|------------|--------------------|---------------|-------------|--------|--|
| <i>M</i> | 192.60791 | (2000.0) | P | Q | | |
| <i>n</i> | 0.14055993 | ω 70.38773 | +0.91926887 | -0.39257663 | | |
| <i>a</i> | 3.6634901 | Ω 312.71540 | +0.34488062 | +0.83850967 | | |
| <i>e</i> | 0.0324278 | <i>i</i> 2.24496 | +0.18974221 | +0.37786918 | | |
| <i>P</i> | 7.01 | <i>H</i> 11.7 | <i>G</i> 0.15 | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------------|-------|------|------------|------|------|
| 841223 095 | 0.1+ | 1.5- | 930128 010 | 0.4+ | 0.8+ | 930220 010 | 0.6+ | 0.3- |
| 901011 033 | 0.9+ | 0.0 | 930128 010 | 0.4+ | 0.5+ | 930222 010 | 0.8+ | 0.2- |
| 901012 033 | 0.3- | 0.7- | 930128 010 | 0.2+ | 0.0 | 930223 010 | 1.8+ | 1.2- |
| 901012 033 | 0.0 | 0.9- | 930218 511 | 0.0 | 2.5+ | 940411 399 | 0.4- | 1.3- |
| 901013 033 | 0.6+ | 0.2- | 930219 511 | 1.9- | 2.0+ | 940411 399 | 1.3- | 1.1+ |
| 901014 033 | 0.7- | 0.6+ | 930219 511 | 0.9- | 0.1- | 940413 399 | 0.9+ | 1.4- |
| 930127 010 | 0.5- | 0.6- | 930219 511(10.3- | 0.9+) | | 940413 399 | 0.5- | 1.1- |
| 930127 010 | 0.0 | 0.5- | 930220 010 | 0.2- | 0.2- | | | |
| 930127 010 | 1.0+ | 1.1- | 930220 010 | 1.0- | 0.0 | | | |

1993 DC

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Bardwell

| <i>M</i> | 162.66124 | (2000.0) | P | Q |
|----------|------------|-------------------|---------------|-------------|
| <i>n</i> | 0.26545036 | ω 4.78634 | +0.26309086 | -0.95061351 |
| <i>a</i> | 2.3978048 | Ω 70.03215 | +0.87924334 | +0.16598901 |
| <i>e</i> | 0.4260539 | <i>i</i> 10.09061 | +0.39713267 | +0.26226246 |
| <i>P</i> | 3.71 | <i>H</i> 16.5 | <i>G</i> 0.15 | |

From 18 observations 1993 Feb. 18-Apr. 15, mean residual 0".33.

1993 ET = 1970 GE₁ = 1973 ST₅

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Bardwell

| <i>M</i> | 170.63903 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.21543952 | ω 255.25011 | +0.15690344 | -0.98603872 |
| <i>a</i> | 2.7558303 | Ω 186.53986 | +0.98354232 | +0.15088610 |
| <i>e</i> | 0.4168926 | <i>i</i> 29.31151 | -0.08958688 | -0.07043450 |
| <i>P</i> | 4.57 | <i>H</i> 12.5 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------------|-------|------|------------------|-------|------|------------|------|------|
| 700411 805 | 0.1+ | 0.5+ | 930320 400 | 0.1+ | 0.3- | 930329 400 | 0.8- | 0.6+ |
| 700411 805 | 0.2+ | 1.5+ | 930320 400 | 1.9+ | 1.1- | 930329 400 | 0.6+ | 1.7+ |
| 700411 805 | 0.5- | 1.1+ | 930321 675 (5.3- | 0.1+) | | 930416 400 | 0.6+ | 1.9+ |
| 730928 095 | 0.4+ | 3.9+ | 930321 675 (3.3- | 0.3-) | | 930416 400 | 0.5- | 2.0+ |
| 930315 400 | 1.0+ | 0.4- | 930323 474 | 0.4- | 0.8+ | 930418 801 | 0.8- | 0.6- |
| 930315 400 | 2.1+ | 0.6+ | 930323 474 | 0.7- | 0.8+ | 930418 801 | 0.5- | 1.1- |
| 930319 675 (5.6- | 4.4+) | | 930325 474 | 0.8- | 0.0 | 930424 801 | 0.2- | 1.5- |
| 930319 675 (7.3- | 5.1+) | | 930325 474 | 1.6- | 0.2- | 930424 801 | 0.1- | 1.7- |

1993 FR₃ = 1978 GV₁ = 1989 EY₅

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 60.48764 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.26160278 | ω 73.16411 | +0.20931098 | +0.97664787 |
| <i>a</i> | 2.4212584 | Ω 209.05381 | -0.93085796 | +0.18383119 |
| <i>e</i> | 0.1202228 | <i>i</i> 5.72632 | -0.29948683 | +0.11119820 |
| <i>P</i> | 3.77 | <i>H</i> 13.5 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 780407 095 | 0.3+ | 1.0+ | 930321 809 | 1.7- | 0.3- | 930322 675 | 1.2+ | 0.7+ |
| 890302 413 | 0.7+ | 0.7- | 930321 675 | 0.7+ | 0.4+ | 930326 809 | 0.4- | 0.3- |
| 890302 413 | 0.0 | 0.1- | 930322 809 | 0.9- | 0.8- | 930418 413 | 0.2+ | 0.5- |
| 890304 413 | 0.5- | 1.2+ | 930322 675 | 0.4+ | 0.4- | | | |

1993 FO₄ = 1980 FQ₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 163.69531 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.22867644 | ω 314.94034 | -0.61313060 | -0.78954784 |
| <i>a</i> | 2.6484296 | Ω 172.73542 | +0.77049951 | -0.60499439 |
| <i>e</i> | 0.1474106 | <i>i</i> 11.94591 | +0.17435987 | -0.10293685 |
| <i>P</i> | 4.31 | <i>H</i> 13.5 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 800316 809 | 0.2- | 0.7+ | 800317 809 | 0.7- | 0.6+ | 930323 809 | 0.5+ | 0.0 |
| 800316 809 | 0.4+ | 0.2- | 800317 809 | 0.0 | 0.6- | 930414 691 | 0.1- | 0.2- |
| 800316 809 | 0.2+ | 0.4- | 800317 809 | 0.1- | 0.4- | 930414 691 | 0.4- | 0.1- |
| 800316 809 | 0.4+ | 0.1+ | 930317 809 | 0.0 | 0.6- | 930414 691 | 1.1- | 0.3- |
| 800317 809 | 0.1- | 0.2+ | 930318 809 | 0.2- | 0.6+ | 930416 413 | 1.3+ | 0.6+ |

1993 FT₄ = 1993 FS₃ = 1981 AA₁ = 1982 HE

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 53.66009 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.17572507 | ω 111.56410 | -0.57322582 | +0.81848976 |
| <i>a</i> | 3.1567988 | Ω 123.40246 | -0.76783473 | -0.52013027 |
| <i>e</i> | 0.1455222 | <i>i</i> 2.64722 | -0.28608039 | -0.24400619 |
| <i>P</i> | 5.61 | <i>H</i> 12.0 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 810111 801 | 0.1- | 0.3- | 820426 688 | 1.5- | 0.4+ | 930318 372 | 1.0- | 0.5+ |
| 820418 688 | 0.8+ | 0.2+ | 930317 809 | 0.6+ | 0.3- | 930323 809 | 0.0 | 0.3- |
| 820418 688 | 0.5- | 1.5- | 930318 809 | 0.2+ | 0.2- | 930416 413 | 0.3- | 0.3+ |
| 820426 688 | 1.0+ | 0.3+ | 930318 372 | 0.8+ | 0.7+ | | | |

1993 FA₅ = 1991 RN₁₈

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 241.23096 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.29717368 | ω 280.98751 | +0.05521325 | -0.99812906 |
| <i>a</i> | 2.2239712 | Ω 165.76812 | +0.95273298 | +0.04479486 |
| <i>e</i> | 0.1138667 | <i>i</i> 6.13298 | +0.29874967 | +0.04161483 |
| <i>P</i> | 3.32 | <i>H</i> 14.0 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 910913 675 | 0.1+ | 0.3+ | 910916 675 | 0.6+ | 0.4+ | 930323 809 | 0.1- | 0.2- |
| 910913 675 | 0.8- | 1.0+ | 930317 809 | 0.4- | 0.2- | 930416 413 | 0.5+ | 0.3+ |
| 910916 675 | 0.2+ | 2.2- | 930318 809 | 0.0 | 0.4- | | | |

1993 FB₅

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 119.12384 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.21475409 | ω 159.29863 | -0.99836086 | -0.04909280 |
| <i>a</i> | 2.7616910 | Ω 17.96290 | +0.02901434 | -0.87721614 |
| <i>e</i> | 0.0956595 | <i>i</i> 5.47392 | +0.04933315 | -0.47757905 |
| <i>P</i> | 4.59 | <i>H</i> 13.5 | <i>G</i> 0.15 | |

From 10 observations 1993 Mar. 17-June 25, mean residual 0".79.

1993 FG₆ = 1990 TV

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.19107318 | ω 319.81570 | +0.99947113 +0.02333188 |
| <i>a</i> | 2.9854025 | Ω 38.86527 | -0.01155429 +0.90591327 |
| <i>e</i> | 0.2057153 | <i>i</i> 2.06874 | -0.03039674 +0.42282003 |
| <i>P</i> | 5.16 | <i>H</i> 12.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|-------|-------|--------|-----|------|------|
| 901010 | 400 | 0.4- | 1.4+ | 901019 | 399 | (5.8- | 4.9-) | 930317 | 809 | 0.7- | 1.2+ |
| 901010 | 400 | 1.4+ | 0.3+ | 901019 | 399 | (6.3- | 3.1-) | 930318 | 809 | 0.6- | 0.6- |
| 901011 | 400 | 1.9+ | 0.3+ | 901022 | 400 | 1.9- | 0.6+ | 930323 | 809 | 1.0+ | 0.4- |
| 901011 | 400 | 1.4- | 1.9- | 901022 | 400 | 0.5+ | 0.7- | 930416 | 413 | 0.2+ | 0.2- |

1993 FT₇ = 1991 VA₇

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.26834462 | ω 215.85169 | +0.97761483 -0.20538180 |
| <i>a</i> | 2.3805325 | Ω 155.87861 | +0.20950076 +0.93011179 |
| <i>e</i> | 0.1174092 | <i>i</i> 6.41915 | +0.01945969 +0.30448379 |
| <i>P</i> | 3.67 | <i>H</i> 14.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 911109 | 809 | 0.6- | 1.2+ | 911112 | 809 | 1.0+ | 0.1+ | 930318 | 809 | 0.7+ | 0.0 |
| 911109 | 809 | 1.4- | 1.2- | 911112 | 809 | 1.2+ | 0.5+ | 930323 | 809 | 0.1- | 0.4- |
| 911112 | 809 | 0.2- | 0.4- | 930317 | 809 | 0.4- | 0.1+ | 930416 | 413 | 0.2- | 0.3+ |

1993 FZ₇ = 1978 WQ₈

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|-------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.29688530 | ω 13.21174 | +0.39120119 -0.91848393 |
| <i>a</i> | 2.2254111 | Ω 53.78856 | +0.83770899 +0.32935043 |
| <i>e</i> | 0.0324910 | <i>i</i> 4.11300 | +0.38105810 +0.21889625 |
| <i>P</i> | 3.32 | <i>H</i> 15.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 781129 | 675 | 0.8- | 0.1+ | 930317 | 809 | 0.3+ | 0.5- | 930323 | 809 | 0.1- | 0.9+ |
| 781130 | 675 | 0.8+ | 0.1- | 930318 | 809 | 0.0 | 0.2- | 930416 | 413 | 0.2- | 0.2- |

1993 FL₈ = 1976 UG₇

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.26984165 | ω 229.59538 | -0.07390538 +0.99438716 |
| <i>a</i> | 2.3717199 | Ω 36.37854 | -0.87195104 -0.02758795 |
| <i>e</i> | 0.0994097 | <i>i</i> 7.33379 | -0.48398282 -0.10214250 |
| <i>P</i> | 3.65 | <i>H</i> 14.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 761022 | 381 | 0.6+ | 0.4+ | 761024 | 381 | 1.8+ | 0.5+ | 930323 | 809 | 0.4+ | 0.9+ |
| 761022 | 381 | 1.3- | 0.1+ | 761024 | 381 | 1.2- | 0.6- | 930416 | 413 | 0.0 | 0.0 |
| 761022 | 381 | 0.1+ | 0.3+ | 930317 | 809 | 0.5- | 0.3- | | | | |
| 761022 | 381 | 0.1- | 0.7- | 930318 | 809 | 0.1+ | 0.5- | | | | |

1993 FS₉ = 4303 T-1 = 1983 QO₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.26837241 | ω 207.11582 | +0.95223251 +0.29603310 |
| <i>a</i> | 2.3803682 | Ω 135.45017 | -0.25721957 +0.90983152 |
| <i>e</i> | 0.2495703 | <i>i</i> 6.13315 | -0.16459446 +0.29081096 |
| <i>P</i> | 3.67 | <i>H</i> 13.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 710324 | 675 | 0.8+ | 1.3- | 710327 | 675 | 2.5- | 1.0- | 930318 | 809 | 0.3+ | 0.8+ |
| 710326 | 675 | 1.4+ | 0.8+ | 830816 | 095 | 0.0 | 0.0 | 930323 | 809 | 0.6- | 0.2- |
| 710326 | 675 | 0.0 | 0.8+ | 930317 | 809 | 0.9- | 0.4+ | 930416 | 413 | 1.4+ | 0.3- |

1993 FJ₁₀ = 1981 WT₈ = 1985 QS₅ = 1985 SG₁ = 1988 EQ

Id. G. V. Williams, D. W. E. Green (d)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|-------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.20148736 | ω 17.11534 | +0.08859773 -0.99490125 |
| <i>a</i> | 2.8816253 | Ω 67.82296 | +0.90767447 +0.06071757 |
| <i>e</i> | 0.0426822 | <i>i</i> 2.98279 | +0.41021640 +0.08052874 |
| <i>P</i> | 4.89 | <i>H</i> 12.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|-------|--------|--------|-----|------|------|--------|-----|------|------|
| 811125 | 095 | 0.0 | 0.4+ | 850921 | 809 | 0.1- | 0.3+ | 930318 | 809 | 0.3+ | 0.4+ |
| 850824 | 095 | 0.7+ | 1.3+ | 850922 | 809 | 0.6- | 0.1+ | 930323 | 809 | 0.6+ | 1.4+ |
| 850916 | 809 | (5.4- | 20.5+) | 850922 | 809 | 0.4- | 0.3+ | 930323 | 691 | 0.9- | 0.0 |
| 850916 | 809 | (5.7- | 19.0+) | 850922 | 809 | 0.1- | 0.3+ | 930323 | 691 | 0.5- | 0.1- |
| 850916 | 809 | (5.8- | 17.4+) | 880313 | 054 | 0.7+ | 1.0+ | 930323 | 691 | 0.6- | 0.2- |
| 850921 | 809 | 0.2- | 0.3- | 880313 | 054 | 0.1- | 0.6+ | 930416 | 413 | 1.4+ | 2.4- |
| 850921 | 809 | 0.2- | 0.2- | 930317 | 809 | 0.1- | 1.2+ | | | | |

1993 FM₁₀ = 6717 P-L

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.26088871 | ω 171.65722 | -0.39247781 +0.91878722 |
| <i>a</i> | 2.4256745 | Ω 75.22564 | -0.84637073 -0.34276646 |
| <i>e</i> | 0.1380759 | <i>i</i> 2.50863 | -0.36002465 -0.19580910 |
| <i>P</i> | 3.78 | <i>H</i> 14.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 600924 | 675 | 0.0 | 0.1- | 600928 | 675 | 0.5+ | 0.0 | 930323 | 691 | 0.4- | 0.4- |
| 600924 | 675 | 0.5+ | 0.8+ | 930317 | 809 | 0.0 | 0.6+ | 930323 | 691 | 0.4- | 0.3- |
| 600926 | 675 | 0.3- | 0.2- | 930318 | 809 | 0.3+ | 0.4- | 930416 | 413 | 0.1+ | 0.0 |
| 600926 | 675 | 0.0 | 0.1+ | 930323 | 809 | 0.8+ | 0.5+ | | | | |
| 600928 | 675 | 0.7- | 0.7- | 930323 | 691 | 0.4- | 0.1- | | | | |

1993 FQ₁₀ = 1975 SH

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|-------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.19306518 | ω 57.91226 | +0.18903620 -0.97977113 |
| <i>a</i> | 2.9648320 | Ω 21.48456 | +0.82965408 +0.12357639 |
| <i>e</i> | 0.1034759 | <i>i</i> 10.33077 | +0.52529937 +0.15740843 |
| <i>P</i> | 5.11 | <i>H</i> 12.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 750930 | 675 | 0.2- | 0.2- | 930318 | 809 | 0.3+ | 0.0 | 930324 | 691 | 0.6- | 0.7- |
| 751001 | 675 | 0.5- | 0.5+ | 930323 | 809 | 0.4+ | 0.4+ | 930421 | 413 | 0.4+ | 0.5+ |

751002 675 0.6+ 0.1- 930324 691 0.6- 0.6-
 930317 809 0.5+ 1.2+ 930324 691 0.4- 0.6-

1993 FU₁₁ = 1990 QC₁₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.23315577 | ω 154.33434 | +0.14629142 +0.98755274 |
| <i>a</i> | 2.6143994 | Ω 124.02715 | -0.91919952 +0.15728794 |
| <i>e</i> | 0.0768895 | <i>i</i> 3.99769 | -0.36561055 -0.00029679 |
| <i>P</i> | 4.23 | <i>H</i> 13.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

900816 809 0.1- 0.4+ 900820 809 0.3+ 0.1- 930323 809 0.1- 1.1+
 900816 809 0.1+ 0.6+ 900820 809 0.4- 0.6- 930416 413 0.7- 1.2-
 900816 809 1.0- 0.9- 930317 809 0.5+ 0.2+
 900820 809 1.0+ 1.0+ 930318 809 0.4+ 0.1+

1993 FV₁₂ = 2108 T-1

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.22441631 | ω 94.52500 | -0.11584954 +0.99228885 |
| <i>a</i> | 2.6818415 | Ω 168.53781 | -0.97637937 -0.10562189 |
| <i>e</i> | 0.2453767 | <i>i</i> 12.81142 | -0.18237928 -0.06486030 |
| <i>P</i> | 4.39 | <i>H</i> 14.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

710325 675 0.6- 0.6+ 710327 675 0.3- 0.4+ 930323 809 1.2+ 0.1-
 710325 675 0.3+ 0.9- 930317 809 1.4- 0.6+ 930416 413 0.2- 0.0
 710326 675 0.6+ 0.1- 930318 809 0.4+ 0.3-

1993 FZ₁₂ = 9561 P-L

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.22966855 | ω 193.33025 | +0.84341673 +0.53354480 |
| <i>a</i> | 2.6407970 | Ω 134.24091 | -0.48450002 +0.80606622 |
| <i>e</i> | 0.1218330 | <i>i</i> 5.05084 | -0.23218086 +0.25609996 |
| <i>P</i> | 4.29 | <i>H</i> 12.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

601022 675 1.1- 0.2- 930317 809 1.5- 0.7+ 930323 809 0.9+ 1.0-
 601024 675 0.8+ 0.3+ 930317 809 1.7+ 0.3- 930416 413 0.1+ 0.1+
 601026 675 0.3+ 0.0 930318 809 1.2- 0.7+

1993 FL₁₅ = 1980 XN₂ = 1990 SK₅

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.18567095 | ω 317.30632 | +0.71164196 -0.69886954 |
| <i>a</i> | 3.0430335 | Ω 87.18216 | +0.66239338 +0.63343778 |
| <i>e</i> | 0.1191213 | <i>i</i> 4.11911 | +0.23409557 +0.33217156 |
| <i>P</i> | 5.31 | <i>H</i> 12.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

801210 095 0.0 0.1- 900925 809 1.5- 0.8- 930318 809 2.1- 0.7+
 900922 809 1.8+ 1.5+ 900925 809 1.4- 1.1- 930318 809 1.5+ 0.2+
 900922 809 1.1+ 1.0+ 900925 809 1.8- 1.1- 930323 809 0.4+ 1.2-
 900922 809 1.9+ 0.4+ 930317 809 0.9+ 1.1+ 930416 413 0.7- 0.8-

1993 FU₁₇ = 1991 SU₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|-------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.29269969 | ω 12.58918 | +0.50745431 -0.85658339 |
| <i>a</i> | 2.2465765 | Ω 47.00347 | +0.77906916 +0.40969618 |
| <i>e</i> | 0.1351506 | <i>i</i> 7.35006 | +0.36815942 +0.31370995 |
| <i>P</i> | 3.37 | <i>H</i> 13.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

910929 691 0.2- 0.2+ 911002 691 0.2+ 0.1- 930323 809 0.5+ 0.7-
 910929 691 0.2- 0.0 911002 691 0.2+ 0.2+ 930416 413 0.1- 0.1+
 910929 691 0.1- 0.1- 930317 809 0.1- 0.9+
 911002 691 0.1+ 0.1- 930318 809 0.2- 0.3-

1993 FB₁₈ = 1987 SM₂₈

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.28855936 | ω 205.17415 | +0.51034840 +0.85643877 |
| <i>a</i> | 2.2680151 | Ω 95.59930 | -0.77518270 +0.49732881 |
| <i>e</i> | 0.1547203 | <i>i</i> 4.48515 | -0.37233895 +0.13847992 |
| <i>P</i> | 3.42 | <i>H</i> 13.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

870924 095 0.3+ 0.2- 930317 809 0.0 0.0 930323 809 0.4+ 0.0
 870927 095 0.3- 0.2+ 930318 809 0.5- 0.0 930416 413 0.0 0.0

1993 FB₁₉ = 1991 VR₆

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.25810919 | ω 274.20628 | +0.51660049 -0.85362106 |
| <i>a</i> | 2.4430578 | Ω 144.43246 | +0.82404611 +0.47450102 |
| <i>e</i> | 0.0847322 | <i>i</i> 6.58922 | +0.23253375 +0.21489500 |
| <i>P</i> | 3.82 | <i>H</i> 14.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

911109 809 1.6+ 0.5+ 911112 809 0.2- 0.8+ 930323 809 1.3+ 0.1+
 911109 809 0.8- 0.9- 911112 809 0.3- 0.7+ 930416 413 0.1- 0.0
 911109 809 0.6- 2.1- 930317 809 1.0- 0.2-
 911112 809 0.3+ 1.1+ 930318 809 0.1- 0.0

1993 FM₁₉ = 1982 BK₀ = 1990 RE₁₂ = 1991 YQ

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.19648923 | ω 290.56778 | +0.62081403 -0.77655237 |
| <i>a</i> | 2.9302874 | Ω 120.59401 | +0.75773228 +0.55920673 |
| <i>e</i> | 0.2221800 | <i>i</i> 7.17412 | +0.20107643 +0.29026582 |
| <i>P</i> | 5.02 | <i>H</i> 12.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

820119 095 0.0 0.5- 911231 511 1.5- 0.0 930319 691 1.3- 0.4-
 900915 675 0.3- 1.4- 911231 511 0.1- 0.6- 930319 691 1.3- 0.6-
 900915 675 0.6+ 0.6- 930317 809 1.2+ 0.4+ 930323 809 1.0+ 0.8+
 911230 511 0.1- 0.5- 930318 809 1.7+ 0.1- 930416 413 0.8- 0.5-
 911230 511 1.7+ 0.3+ 930319 691 1.0- 0.9-

1993 FG₂₀ = 1962 WD₂ = 1974 QG = 1991 XG₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 264.19407 | (2000.0) | <i>P</i> | <i>Q</i> |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.23820295 | ω 160.61108 | +0.84910172 | -0.52668167 |
| <i>a</i> | 2.5773375 | Ω 231.23707 | +0.47754083 | +0.79807059 |
| <i>e</i> | 0.2380603 | <i>i</i> 2.97042 | +0.22578978 | +0.29272814 |
| <i>P</i> | 4.14 | <i>H</i> 13.5 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 621130 760 | 0.8- | 1.5+ | 740817 808 | 1.1- | 2.0- | 911214 691 | 0.9- | 0.1- |
| 621130 760 | 1.5- | 1.9+ | 740818 808 | 0.6+ | 0.7+ | 911214 691 | 0.7- | 0.2- |
| 621203 760 | 0.8+ | 1.4+ | 740818 808 | 0.2- | 0.8+ | 911214 691 | 0.9- | 0.1+ |
| 621203 760 | 1.1+ | 0.1- | 911201 675 | 2.5+ | 0.6- | 930319 809 | 0.2+ | 1.6+ |
| 740816 808 | 0.7- | 1.0+ | 911201 675 | 2.0+ | 1.2- | 930320 809 | 1.0- | 2.3+ |
| 740816 808 | 1.1+ | 0.9+ | 911202 675 | 1.3- | 0.8- | 930324 809 | 1.6+ | 1.2+ |
| 740817 808 | 0.4- | 0.8+ | 911202 675 | 0.5- | 0.6- | 930417 413 | 0.5+ | 2.2- |

1993 FZ₂₀ = 6298 P-L = 2079 T-1

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 186.05876 | (2000.0) | <i>P</i> | <i>Q</i> |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.22534633 | ω 286.93670 | -0.29947074 | -0.95410544 |
| <i>a</i> | 2.6744576 | Ω 180.48942 | +0.88816338 | -0.27865853 |
| <i>e</i> | 0.1641912 | <i>i</i> 2.00732 | +0.34854423 | -0.10969156 |
| <i>P</i> | 4.37 | <i>H</i> 15.0 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 600924 675 | 0.6- | 1.0- | 710325 675 | 0.1+ | 0.5+ | 930321 809 | 0.1+ | 0.3+ |
| 600925 675 | 0.7+ | 0.5+ | 710325 675 | 0.9- | 0.1- | 930322 809 | 1.1+ | 0.3- |
| 600926 675 | 0.5+ | 0.9- | 710326 675 | 0.2- | 0.6- | 930326 809 | 0.1- | 0.8- |
| 710324 675 | 0.3- | 1.7- | 710327 675 | 0.9+ | 0.7+ | 930418 413 | 1.1- | 0.7+ |

1993 FB₂₂ = 1991 TL₁₀

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 232.51276 | (2000.0) | <i>P</i> | <i>Q</i> |
|----------|------------|-------------------|---------------|-------------|
| <i>n</i> | 0.26570711 | ω 74.68646 | +0.12429644 | -0.99224078 |
| <i>a</i> | 2.3962599 | Ω 8.17510 | +0.90226264 | +0.11179282 |
| <i>e</i> | 0.1580312 | <i>i</i> 1.18304 | +0.41288317 | +0.05441130 |
| <i>P</i> | 3.71 | <i>H</i> 15.5 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 910912 691 | 0.0 | 0.6+ | 911010 691 | 0.0 | 0.0 | 930321 809 | 0.8+ | 0.2- |
| 910912 691 | 0.6- | 0.7+ | 911015 691 | 0.4- | 0.1- | 930322 809 | 0.9+ | 0.6+ |
| 911010 691 | 0.2+ | 0.2+ | 911015 691 | 0.0 | 0.4+ | 930326 809 | 1.3- | 1.0+ |
| 911010 691 | 0.7+ | 0.2+ | 911015 691 | 1.0- | 0.4+ | 930416 413 | 0.7+ | 1.1+ |

1993 FH₂₂ = 1977 LD₁ = 1989 SD₉

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 1.16349 | (2000.0) | <i>P</i> | <i>Q</i> |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.17625120 | ω 107.02266 | +0.55698623 | +0.83051662 |
| <i>a</i> | 3.1505134 | Ω 196.82594 | -0.76576421 | +0.51219627 |
| <i>e</i> | 0.1553631 | <i>i</i> 0.57644 | -0.32151440 | +0.21885413 |
| <i>P</i> | 5.59 | <i>H</i> 13.0 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 770612 675 | 0.2- | 0.5- | 890925 809 | 0.6- | 0.3- | 930326 809 | 0.1- | 0.1+ |
| 770613 675 | 0.2+ | 0.2+ | 890925 809 | 0.1- | 0.3- | 930327 809 | 0.2+ | 0.4+ |
| 890924 809 | 0.3- | 0.7+ | 890925 809 | 0.3+ | 0.3- | 930416 413 | 0.1- | 0.6+ |

| | | | | | |
|------------|------|------|------------|------|------|
| 890924 809 | 0.0 | 0.5+ | 930321 809 | 0.1- | 0.3- |
| 890924 809 | 0.4+ | 0.7+ | 930322 809 | 0.7+ | 0.5+ |

1993 FY₂₂ = 1167 T-1

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 191.89878 | (2000.0) | <i>P</i> | <i>Q</i> |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.18088336 | ω 87.97944 | +0.06588814 | -0.99781666 |
| <i>a</i> | 3.0964944 | Ω 358.22349 | +0.84727631 | +0.05835258 |
| <i>e</i> | 0.1007146 | <i>i</i> 8.43127 | +0.52704991 | +0.03093355 |
| <i>P</i> | 5.45 | <i>H</i> 13.5 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 710324 675 | 1.9+ | 1.8- | 710327 675 | 0.2- | 0.7+ | 930326 809 | 0.0 | 0.5+ |
| 710325 675 | 1.3- | 0.4- | 710402 675 | 0.3+ | 2.0+ | 930327 809 | 0.7+ | 0.8+ |
| 710325 675 | 1.4- | 0.3+ | 930321 809 | 0.8- | 0.7- | 930416 413 | 0.5- | 0.7- |
| 710326 675 | 0.7+ | 0.7- | 930322 809 | 0.6+ | 0.0 | | | |

1993 FA₂₃ = 1977 EH₆

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 250.66692 | (2000.0) | <i>P</i> | <i>Q</i> |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.18780095 | ω 188.76159 | +0.76772905 | -0.63885756 |
| <i>a</i> | 3.0199808 | Ω 211.12041 | +0.59355311 | +0.73814699 |
| <i>e</i> | 0.0386238 | <i>i</i> 5.49914 | +0.24142663 | +0.21679492 |
| <i>P</i> | 5.25 | <i>H</i> 13.0 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 770312 381 | 0.7- | 0.6+ | 770315 381 | 1.7- | 0.6+ | 930326 809 | 0.4- | 0.5+ |
| 770312 381 | 0.2- | 0.5+ | 770315 381 | 1.6+ | 0.9- | 930327 809 | 0.0 | 0.1- |
| 770314 381 | 0.2- | 0.3+ | 930321 809 | 0.1+ | 0.4- | 930416 413 | 0.1- | 0.0 |
| 770314 381 | 1.2+ | 1.2- | 930322 809 | 0.5+ | 0.0 | | | |

1993 FG₂₃ = 1988 VA₄ = 1991 RP₁₀ = 1991 VD₁₄

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 289.14779 | (2000.0) | <i>P</i> | <i>Q</i> |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.30711234 | ω 156.09547 | +0.51437206 | -0.85688885 |
| <i>a</i> | 2.1757277 | Ω 262.93317 | +0.78116009 | +0.48458009 |
| <i>e</i> | 0.0730463 | <i>i</i> 1.96919 | +0.35385067 | +0.17585117 |
| <i>P</i> | 3.21 | <i>H</i> 14.0 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|-------|-------|
| 881115 400 | 0.6+ | 0.4- | 910910 675 | 1.1- | 1.2- | 930321 809 | 0.5- | 0.6- |
| 881115 400 | (2.6+ | 3.3+) | 910914 675 | 0.6- | 1.4+ | 930322 809 | 0.7+ | 0.6- |
| 881115 400 | 2.5- | 2.2+ | 910914 675 | 0.0 | 1.7+ | 930326 809 | 0.3- | 0.2- |
| 881116 400 | 0.9+ | 1.4- | 910916 675 | 0.1- | 0.1+ | 930327 809 | 1.2+ | 0.4- |
| 881116 400 | 0.8+ | 0.7+ | 910916 675 | 0.0 | 1.8- | 930416 413 | 1.8- | 0.1- |
| 881116 400 | (4.9- | 4.4-) | 911108 675 | 1.1+ | 2.5- | 930418 413 | (4.9+ | 3.5+) |
| 910910 675 | 1.2+ | 0.0 | 911108 675 | 0.7+ | 0.3- | | | |

1993 FK₂₃ = 1972 GM₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 28.07005 | (2000.0) | <i>P</i> | <i>Q</i> |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.18864952 | ω 269.78245 | +0.07874137 | +0.99681856 |
| <i>a</i> | 3.0109179 | Ω 4.78660 | -0.84561960 | +0.07334886 |
| <i>e</i> | 0.0836385 | <i>i</i> 8.51186 | -0.52794629 | +0.03118808 |
| <i>P</i> | 5.22 | <i>H</i> 12.5 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 720409 805 | 0.7- | 0.7+ | 720410 805 | 1.4+ | 0.3- | 930326 809 | 0.6- | 0.0 |
| 720409 805 | 0.5- | 0.3- | 930321 809 | 0.3- | 0.2- | 930327 809 | 0.1- | 0.0 |
| 720410 805 | 0.1- | 0.1- | 930322 809 | 1.1+ | 0.0 | 930416 413 | 0.1- | 0.1+ |

1993 FM₂₃ = 1981 JO₄

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | 199.95471 | (2000.0) | P | Q | |
| <i>n</i> | 0.23992611 | ω 210.99389 | -0.02938038 | -0.99940603 | |
| <i>a</i> | 2.5649823 | Ω 240.69521 | +0.92126469 | -0.02008335 | |
| <i>e</i> | 0.2429057 | <i>i</i> 1.18346 | +0.38782492 | -0.02800452 | |
| <i>P</i> | 4.11 | <i>H</i> 14.5 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 810508 675 | 0.2+ | 0.8- | 930321 809 | 0.2- | 0.5+ | 930326 809 | 0.0 | 0.5- |
| 810509 675 | 0.2- | 0.8+ | 930322 809 | 0.6+ | 0.4+ | 930327 809 | 0.4- | 0.4- |

1993 FR₂₃ = 1984 WG₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | 316.68351 | (2000.0) | P | Q | |
| <i>n</i> | 0.28398028 | ω 23.13355 | +0.92037124 | -0.39104569 | |
| <i>a</i> | 2.2923307 | Ω 359.88533 | +0.33918817 | +0.79860108 | |
| <i>e</i> | 0.2061947 | <i>i</i> 6.37431 | +0.19459746 | +0.45751457 | |
| <i>P</i> | 3.47 | <i>H</i> 13.5 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|-----|------|
| 841120 675 | 0.4- | 0.6- | 930322 809 | 0.1- | 0.9+ | 930416 413 | 0.0 | 0.3+ |
| 841121 675 | 0.4+ | 0.6+ | 930326 809 | 0.2+ | 0.7- | | | |
| 930321 809 | 0.3- | 0.5+ | 930327 809 | 0.2+ | 0.9- | | | |

1993 FS₂₃ = 1990 TO₁₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | 321.80774 | (2000.0) | P | Q | |
| <i>n</i> | 0.21154364 | ω 18.91263 | +0.98130047 | +0.19141960 | |
| <i>a</i> | 2.7895623 | Ω 330.02917 | -0.18140184 | +0.88461833 | |
| <i>e</i> | 0.0849591 | <i>i</i> 2.31710 | -0.06436428 | +0.42521634 | |
| <i>P</i> | 4.66 | <i>H</i> 14.0 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 901011 033 | 0.9+ | 0.5+ | 901014 033 | 0.7- | 0.3+ | 930327 809 | 0.2+ | 0.2+ |
| 901012 033 | 0.3- | 0.4- | 930321 809 | 0.3- | 0.1+ | 930416 413 | 0.0 | 0.1+ |
| 901012 033 | 0.4- | 0.0 | 930322 809 | 0.1- | 0.4+ | | | |
| 901013 033 | 0.5+ | 0.4- | 930326 809 | 0.2+ | 0.7- | | | |

1993 FT₂₃ = 1042 T-1

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | 5.18232 | (2000.0) | P | Q | |
| <i>n</i> | 0.18038310 | ω 13.12461 | +0.53164460 | +0.84681135 | |
| <i>a</i> | 3.1022169 | Ω 288.99419 | -0.77862300 | +0.48109669 | |
| <i>e</i> | 0.1547367 | <i>i</i> 0.98565 | -0.33331703 | +0.22684029 | |
| <i>P</i> | 5.46 | <i>H</i> 12.5 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 710324 675 | 0.4- | 1.5- | 710327 675 | 0.5+ | 1.5+ | 930326 809 | 0.1- | 0.1- |
| 710325 675 | 0.1+ | 0.8+ | 710327 675 | 0.3- | 1.2- | 930327 809 | 0.3- | 0.7+ |
| 710325 675 | 0.6- | 0.6+ | 930321 809 | 0.1+ | 0.1- | 930416 413 | 0.1- | 0.4- |
| 710326 675 | 0.7+ | 0.4- | 930322 809 | 0.5+ | 0.0 | | | |

1993 FH₂₄ = 1976 QM₂ = 1990 SF₁₄

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | 1.06607 | (2000.0) | P | Q | |
| <i>n</i> | 0.21743942 | ω 103.39722 | +0.62210505 | +0.78204366 | |
| <i>a</i> | 2.7389064 | Ω 205.18962 | -0.74798389 | +0.57957474 | |
| <i>e</i> | 0.0586462 | <i>i</i> 5.03086 | -0.23131237 | +0.22913061 | |
| <i>P</i> | 4.53 | <i>H</i> 13.0 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 760829 808 | 0.5+ | 0.3+ | 900923 809 | 1.1+ | 0.5+ | 930321 809 | 0.7- | 0.7+ |
| 760829 808 | 0.7- | 0.2+ | 900924 809 | 0.9- | 0.8- | 930322 809 | 0.5- | 0.2+ |
| 900923 809 | 0.5+ | 0.5+ | 900924 809 | 0.6- | 0.8- | 930326 809 | 0.0 | 0.1- |
| 900923 809 | 0.8+ | 0.4+ | 900924 809 | 0.5- | 1.0- | 930421 413 | 0.9+ | 2.1- |

1993 FQ₂₅ = 1990 TV₁₁ = 1991 YQ₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | 23.19240 | (2000.0) | P | Q | |
| <i>n</i> | 0.23499132 | ω 358.47346 | +0.64216469 | +0.76622085 | |
| <i>a</i> | 2.6007674 | Ω 311.47926 | -0.70298514 | +0.57665876 | |
| <i>e</i> | 0.1615808 | <i>i</i> 1.76110 | -0.30567370 | +0.28349653 | |
| <i>P</i> | 4.19 | <i>H</i> 13.5 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 901011 033 | 1.0+ | 0.4- | 901014 033 | 0.4- | 0.2+ | 930321 809 | 0.7- | 0.1- |
| 901012 033 | 0.1- | 0.4- | 911231 691 | 0.6+ | 0.0 | 930322 809 | 0.5+ | 0.0 |
| 901012 033 | 0.3- | 0.3- | 911231 691 | 0.2- | 0.0 | 930326 809 | 0.1+ | 0.7- |
| 901013 033 | 0.4+ | 0.5- | 911231 691 | 0.4- | 0.0 | 930418 413 | 0.5- | 0.8- |

1993 FE₂₆ = 1991 VT₇

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | 180.95919 | (2000.0) | P | Q | |
| <i>n</i> | 0.22075262 | ω 261.13651 | -0.26907883 | -0.96147686 | |
| <i>a</i> | 2.7114326 | Ω 204.69628 | +0.92805863 | -0.24324020 | |
| <i>e</i> | 0.1627908 | <i>i</i> 7.73085 | +0.25749518 | -0.12804860 | |
| <i>P</i> | 4.46 | <i>H</i> 14.5 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 911103 691 | 0.5+ | 0.3+ | 911108 691 | 0.4- | 0.1- | 930326 809 | 0.6- | 0.2- |
| 911103 691 | 0.8+ | 0.1+ | 911108 691 | 0.5- | 0.2+ | 930421 413 | 0.3+ | 0.2- |
| 911103 691 | 0.4+ | 0.3+ | 930321 809 | 0.1+ | 0.4+ | | | |
| 911108 691 | 0.8- | 0.9- | 930322 809 | 0.1+ | 0.0 | | | |

1993 FF₂₆ = 1988 VC₈ = 1991 RU₁₅

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | 277.84580 | (2000.0) | P | Q | |
| <i>n</i> | 0.30020209 | ω 74.57325 | +0.54814720 | -0.83606234 | |
| <i>a</i> | 2.2089891 | Ω 342.12915 | +0.73558137 | +0.49505533 | |
| <i>e</i> | 0.1323110 | <i>i</i> 4.32035 | +0.39806370 | +0.23647409 | |
| <i>P</i> | 3.28 | <i>H</i> 14.5 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 881103 033 | 0.3- | 1.6- | 910915 675 | 0.8- | 1.5+ | 930326 809 | 0.8- | 0.0 |
| 881104 033 | 0.3+ | 1.7+ | 910915 675 | 0.5+ | 1.1- | 930417 413 | 1.1+ | 0.4+ |
| 910911 675 | 2.0+ | 0.5- | 930321 809 | 0.3- | 0.3- | | | |
| 910911 675 | 1.6- | 0.1- | 930322 809 | 0.0 | 0.3- | | | |

1993 FT₂₆ = 1981 UZ₂₇ = 1988 YH

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | P | | Q | |
|----------|------------|----------|-----------|-------------|-------------|---|--|
| <i>M</i> | 235.23060 | (2000.0) | | | | | |
| <i>n</i> | 0.28949818 | ω | 217.34964 | +0.03532551 | -0.99814011 | | |
| <i>a</i> | 2.2631091 | Ω | 230.68148 | +0.93171023 | +0.05087496 | | |
| <i>e</i> | 0.1683367 | <i>i</i> | 3.68210 | +0.36148050 | -0.03358663 | | |
| <i>P</i> | 3.40 | <i>H</i> | 14.5 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 811024 | 675 | 0.9+ | 0.9+ | 881216 | 372 | 1.5- | 0.7+ | 930322 | 809 | 0.9+ | 0.8- |
| 811025 | 675 | 0.5+ | 0.6- | 881216 | 372 | 1.5+ | 0.6- | 930326 | 809 | 1.0- | 0.0 |
| 811026 | 675 | 1.3- | 0.4- | 930321 | 809 | 0.4+ | 0.0 | 930418 | 413 | 0.4- | 0.7+ |

1993 FV₂₆ = 1971 VD = 1991 RM₄₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | P | | Q | |
|----------|------------|----------|-----------|-------------|-------------|---|--|
| <i>M</i> | 229.31757 | (2000.0) | | | | | |
| <i>n</i> | 0.29116534 | ω | 235.85549 | -0.03253917 | -0.99768894 | | |
| <i>a</i> | 2.2544621 | Ω | 216.15264 | +0.94706302 | -0.01170632 | | |
| <i>e</i> | 0.1937992 | <i>i</i> | 5.80311 | +0.31939448 | -0.06693087 | | |
| <i>P</i> | 3.39 | <i>H</i> | 14.5 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 711110 | 029 | 1.0+ | 0.7+ | 910913 | 691 | 0.1+ | 0.4- | 930322 | 809 | 0.9+ | 0.0 |
| 711110 | 029 | 0.8- | 0.9- | 910913 | 691 | 0.1- | 0.4+ | 930326 | 809 | 0.0 | 0.6- |
| 711119 | 029 | 0.3- | 0.3+ | 930321 | 809 | 0.5- | 0.3+ | 930418 | 413 | 0.3- | 0.4+ |

1993 FY₂₇ = 1987 SR₅

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | P | | Q | |
|----------|------------|----------|-----------|-------------|-------------|---|--|
| <i>M</i> | 34.73776 | (2000.0) | | | | | |
| <i>n</i> | 0.28196990 | ω | 21.42818 | +0.73382680 | +0.67865554 | | |
| <i>a</i> | 2.3032136 | Ω | 295.79582 | -0.62808499 | +0.66072570 | | |
| <i>e</i> | 0.1702988 | <i>i</i> | 1.93570 | -0.25885802 | +0.32073076 | | |
| <i>P</i> | 3.50 | <i>H</i> | 14.5 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|-----|
| 870929 | 054 | 0.1+ | 0.3+ | 930321 | 809 | 1.6- | 0.5+ | 930417 | 413 | 0.2- | 0.0 |
| 870930 | 054 | 0.8- | 0.6- | 930322 | 809 | 0.4+ | 0.3- | | | | |
| 870930 | 054 | 0.7+ | 0.3+ | 930326 | 809 | 1.4+ | 0.2- | | | | |

1993 FJ₂₉ = 1981 OO

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | P | | Q | |
|----------|------------|----------|-----------|-------------|-------------|---|--|
| <i>M</i> | 351.29597 | (2000.0) | | | | | |
| <i>n</i> | 0.30576884 | ω | 50.44775 | +0.99796159 | +0.01512018 | | |
| <i>a</i> | 2.1820962 | Ω | 308.59602 | -0.04103265 | +0.89611199 | | |
| <i>e</i> | 0.1679735 | <i>i</i> | 4.54997 | +0.04887724 | +0.44357037 | | |
| <i>P</i> | 3.22 | <i>H</i> | 15.0 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 810730 | 033 | 0.5+ | 0.0 | 810807 | 033 | 1.2- | 0.5- | 930326 | 809 | 1.3+ | 0.7- |
| 810730 | 033 | 0.2- | 0.0 | 930321 | 809 | 2.1- | 0.6+ | 930417 | 413 | 0.2- | 0.8+ |
| 810806 | 033 | 1.0+ | 0.4+ | 930322 | 809 | 0.9+ | 0.7- | | | | |

1993 FV₃₂ = 1976 OD = 1987 UD

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | P | | Q | |
|----------|------------|----------|-----------|-------------|-------------|---|--|
| <i>M</i> | 12.78685 | (2000.0) | | | | | |
| <i>n</i> | 0.27792338 | ω | 207.65646 | +0.92842550 | +0.36967042 | | |
| <i>a</i> | 2.3255160 | Ω | 130.59894 | -0.33122876 | +0.86874400 | | |
| <i>e</i> | 0.2018906 | <i>i</i> | 2.79403 | -0.16826644 | +0.32958710 | | |
| <i>P</i> | 3.55 | <i>H</i> | 13.5 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 760727 | 095 | 0.0 | 0.2- | 871023 | 095 | 2.9- | 1.6- | 930324 | 809 | 0.8- | 0.5- |
| 871020 | 688 | 1.0+ | 1.0+ | 930319 | 809 | 0.1+ | 0.3- | 930421 | 413 | 0.9+ | 0.7+ |
| 871020 | 688 | 2.0+ | 0.3+ | 930320 | 809 | 0.2- | 0.2- | | | | |

1993 FL₃₃ = 1979 SJ₁₄

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | P | | Q | |
|----------|------------|----------|-----------|-------------|-------------|---|--|
| <i>M</i> | 288.47851 | (2000.0) | | | | | |
| <i>n</i> | 0.25513327 | ω | 340.69206 | +0.85928535 | -0.50815102 | | |
| <i>a</i> | 2.4620185 | Ω | 49.98881 | +0.47874777 | +0.75880774 | | |
| <i>e</i> | 0.1753004 | <i>i</i> | 4.37338 | +0.18008126 | +0.40742282 | | |
| <i>P</i> | 3.86 | <i>H</i> | 14.0 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 790920 | 675 | 0.4- | 0.4- | 930319 | 809 | 0.5+ | 0.3- | 930324 | 809 | 0.8- | 0.6+ |
| 790921 | 675 | 0.4+ | 0.4+ | 930320 | 809 | 0.5+ | 0.5- | 930418 | 413 | 0.2- | 0.1+ |

1993 FT₃₃ = 1976 UH₇ = 1985 QS₆ = 1990 TU₁₄

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | P | | Q | |
|----------|------------|----------|-----------|-------------|-------------|---|--|
| <i>M</i> | 7.69013 | (2000.0) | | | | | |
| <i>n</i> | 0.21068949 | ω | 257.81670 | +0.56661787 | +0.82199604 | | |
| <i>a</i> | 2.7970966 | Ω | 46.85056 | -0.72225552 | +0.52885602 | | |
| <i>e</i> | 0.0810421 | <i>i</i> | 4.49319 | -0.39659949 | +0.21126719 | | |
| <i>P</i> | 4.68 | <i>H</i> | 13.0 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 761022 | 381 | 0.0 | 0.4+ | 761024 | 381 | 0.1- | 0.5- | 930320 | 809 | 0.1+ | 0.9+ |
| 761022 | 381 | 0.8- | 0.2- | 850824 | 095 | 0.4- | 0.6+ | 930324 | 809 | 0.2+ | 0.9+ |
| 761022 | 381 | 0.1- | 0.1+ | 901012 | 413 | 1.8- | 0.6+ | 930418 | 413 | 0.1- | 0.0 |
| 761022 | 381 | 0.3- | 0.6- | 901012 | 413 | 1.4+ | 0.2+ | | | | |
| 761024 | 381 | 1.0+ | 1.5+ | 930319 | 809 | 0.9+ | 0.2+ | | | | |

1993 FW₃₄ = 1989 TQ₁₄

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | P | | Q | |
|----------|------------|----------|-----------|-------------|-------------|---|--|
| <i>M</i> | 355.95024 | (2000.0) | | | | | |
| <i>n</i> | 0.17149446 | ω | 166.45441 | +0.53924211 | +0.84152336 | | |
| <i>a</i> | 3.2085046 | Ω | 136.16549 | -0.77696466 | +0.51202012 | | |
| <i>e</i> | 0.1497396 | <i>i</i> | 2.68982 | -0.32487517 | +0.17226093 | | |
| <i>P</i> | 5.75 | <i>H</i> | 12.5 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 891002 | 809 | 0.8- | 0.4+ | 891003 | 809 | 0.6+ | 0.7- | 930320 | 809 | 0.2+ | 0.2- |
| 891002 | 809 | 0.6- | 0.4+ | 891004 | 809 | 0.1+ | 0.2+ | 930324 | 809 | 0.9- | 0.5+ |
| 891002 | 809 | 0.4- | 0.3+ | 891004 | 809 | 0.3+ | 0.3+ | 930418 | 413 | 1.6- | 1.1+ |
| 891003 | 809 | 0.1+ | 0.7- | 891004 | 809 | 0.6+ | 0.4+ | 930421 | 413 | 1.5+ | 1.0- |
| 891003 | 809 | 0.3+ | 0.7- | 930319 | 809 | 0.8+ | 0.4- | | | | |

1993 FO₃₆ = 1976 UM₁₈ = 1985 QY₄ = 1985 RY₅

Id. G. V. Williams, N. S. Chernykh (d)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.21197520 | ω 119.54344 | +0.49299103 +0.87003439 |
| <i>a</i> | 2.7857748 | Ω 179.99384 | -0.84485728 +0.47872976 |
| <i>e</i> | 0.1326306 | <i>i</i> 9.62251 | -0.20778839 +0.11771990 |
| <i>P</i> | 4.65 | <i>H</i> 13.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------|-------|------------|------|------|
| 761022 381 | 0.1- | 0.6+ | 850915 095 | (1.9- | 4.8-) | 930324 809 | 0.0 | 0.5- |
| 761022 381 | 0.5+ | 0.1+ | 850920 095 | 0.8- | 0.2- | 930421 413 | 0.5+ | 0.6- |
| 761024 381 | 0.5- | 0.5- | 930319 809 | 0.0 | 0.7+ | | | |
| 850818 095 | 0.8+ | 0.5+ | 930320 809 | 0.3- | 0.6+ | | | |

1993 FZ₃₆ = 1991 RA₉

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|-------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.26651029 | ω 47.48398 | +0.05965971 -0.99777318 |
| <i>a</i> | 2.3914432 | Ω 39.12557 | +0.90143308 +0.04101776 |
| <i>e</i> | 0.1680563 | <i>i</i> 2.70888 | +0.42878796 +0.05259498 |
| <i>P</i> | 3.70 | <i>H</i> 13.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 910911 675 | 0.3+ | 0.1- | 910914 675 | 0.5+ | 0.4- | 930324 809 | 0.4- | 0.7- |
| 910911 675 | 1.1- | 0.3+ | 930319 809 | 0.2+ | 0.3+ | 930421 413 | 0.0 | 0.0 |
| 910914 675 | 0.3+ | 0.3+ | 930320 809 | 0.3+ | 0.4+ | | | |

1993 FW₃₇

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.23489281 | ω 359.42117 | -0.99809560 +0.05992676 |
| <i>a</i> | 2.6014944 | Ω 184.10121 | -0.05574228 -0.97775669 |
| <i>e</i> | 0.1142606 | <i>i</i> 11.80179 | -0.02641925 -0.20099909 |
| <i>P</i> | 4.20 | <i>H</i> 13.5 | <i>G</i> 0.15 |

From 10 observations 1993 Mar. 19-June 24, mean residual 0^u.26.**1993 FX₃₇ = 1981 RY₆**

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.22408419 | ω 270.67198 | +0.69361695 +0.71954020 |
| <i>a</i> | 2.6844907 | Ω 43.31231 | -0.63960820 +0.63691455 |
| <i>e</i> | 0.0790132 | <i>i</i> 2.84276 | -0.33135612 +0.27677021 |
| <i>P</i> | 4.40 | <i>H</i> 12.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 810903 675 | 0.4- | 0.1+ | 930319 809 | 0.1+ | 0.3+ | 930324 809 | 0.5- | 0.2- |
| 810904 675 | 0.4+ | 0.1- | 930320 809 | 0.4+ | 0.1- | 930418 413 | 0.0 | 0.0 |

1993 FU₃₈ = 1972 TY₉ = 1989 RV₄ = 1992 AQ₆

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.17008987 | ω 240.24498 | +0.79681901 +0.60270753 |
| <i>a</i> | 3.2261440 | Ω 82.65819 | -0.53843091 +0.74035228 |
| <i>e</i> | 0.1260589 | <i>i</i> 2.46738 | -0.27417442 +0.29769469 |
| <i>P</i> | 5.79 | <i>H</i> 12.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 721009 033 | 0.5- | 0.1- | 911015 691 | 0.4+ | 0.1- | 930319 809 | 1.1+ | 0.2+ |
| 721009 033 | 0.8+ | 0.1- | 911015 691 | 0.3- | 0.5+ | 930320 809 | 0.6+ | 0.5+ |

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 721009 033 | 0.3- | 0.5+ | 920101 691 | 0.0 | 0.1- | 930324 809 | 0.9+ | 0.4+ |
| 721009 033 | 0.0 | 0.1- | 920101 691 | 0.0 | 0.1+ | 930421 413 | 0.6+ | 1.8+ |
| 890909 095 | 0.0 | 1.1+ | 920101 691 | 0.3- | 0.1- | 930429 691 | 1.1- | 1.0- |
| 890909 095 | 0.5+ | 2.2- | 920201 691 | 0.3- | 1.0- | 930429 691 | 1.3- | 1.5- |
| 911015 691 | 0.2- | 0.1+ | 920201 691 | 0.5+ | 0.3- | 930429 691 | 1.2- | 0.9- |

1993 FS₃₉ = 1979 OP

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.19621989 | ω 147.05767 | +0.74641386 +0.66546378 |
| <i>a</i> | 2.9329683 | Ω 171.21929 | -0.61734170 +0.69516666 |
| <i>e</i> | 0.1090676 | <i>i</i> 1.85091 | -0.24850670 +0.27184790 |
| <i>P</i> | 5.02 | <i>H</i> 12.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 790724 675 | 0.5+ | 0.2- | 930319 809 | 0.6+ | 0.2- | 930324 809 | 1.2- | 0.2+ |
| 790725 675 | 0.5- | 0.2+ | 930320 809 | 0.6+ | 0.1+ | 930421 413 | 0.0 | 0.1- |

1993 FM₄₀ = 2322 T-2

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.18206539 | ω 144.50863 | +0.20222205 +0.97896853 |
| <i>a</i> | 3.0830776 | Ω 137.14014 | -0.90743198 +0.19765687 |
| <i>e</i> | 0.1694133 | <i>i</i> 2.27153 | -0.36833876 +0.05052106 |
| <i>P</i> | 5.41 | <i>H</i> 14.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 730929 675 | 0.2- | 0.1- | 731004 675 | 0.3+ | 0.6+ | 930324 809 | 0.1+ | 0.6+ |
| 730929 675 | 1.5+ | 1.5- | 731005 675 | 0.0 | 1.2+ | 930429 691 | 0.8+ | 0.4+ |
| 730930 675 | 0.4- | 1.0- | 731005 675 | 0.7+ | 0.0 | 930429 691 | 0.4- | 0.2- |
| 730930 675 | 0.8- | 0.6+ | 930319 809 | 0.1- | 0.2+ | 930429 691 | 0.3- | 0.0 |
| 731004 675 | 1.1- | 0.0 | 930320 809 | 0.1- | 1.1- | | | |

1993 FO₄₀ = 1988 XH₅

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.30919511 | ω 319.01915 | +0.94223827 -0.33357322 |
| <i>a</i> | 2.1659461 | Ω 60.49081 | +0.31566316 +0.85415408 |
| <i>e</i> | 0.0819495 | <i>i</i> 1.99292 | +0.11199920 +0.39893573 |
| <i>P</i> | 3.19 | <i>H</i> 14.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 881201 888 | 0.9- | 0.4+ | 930319 809 | 0.4- | 0.3+ | 930421 413 | 0.5- | 0.6- |
| 881201 888 | 0.3- | 0.7+ | 930320 809 | 0.0 | 0.0 | | | |
| 881208 381 | 1.2+ | 1.2- | 930324 809 | 0.9+ | 0.3+ | | | |

1993 FX₄₀ = 1977 RV₉

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.22784864 | ω 69.02050 | -0.32307644 +0.94632971 |
| <i>a</i> | 2.6548404 | Ω 182.19166 | -0.93212492 -0.31984892 |
| <i>e</i> | 0.0936241 | <i>i</i> 13.67099 | -0.16359934 -0.04644080 |
| <i>P</i> | 4.33 | <i>H</i> 14.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 770909 675 | 0.2+ | 0.0 | 930319 809 | 0.8- | 0.2+ | 930324 809 | 0.7+ | 0.3- |
| 770910 675 | 0.2- | 0.1+ | 930320 809 | 0.2+ | 0.1+ | 930416 413 | 0.0 | 0.0 |

1993 FN₄₁ = 2053 T-1 = 1979 SR₅ = 1984 PG = 1990 RE₄ = 1991 XO₆

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Williams

| <i>M</i> | 206.90291 | (2000.0) | | P | | Q | |
|----------|------------|----------|-----------|-------------|-------------|----------|--|
| <i>n</i> | 0.18040489 | ω | 222.95383 | +0.42871991 | -0.90336204 | | |
| <i>a</i> | 3.1019671 | Ω | 201.66779 | +0.83722131 | +0.40211982 | | |
| <i>e</i> | 0.1177341 | <i>i</i> | 1.81174 | +0.33949921 | +0.14911965 | | |
| <i>P</i> | 5.46 | <i>H</i> | 12.5 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------|-------|------------|-------|-------|
| 710324 675 | 0.5+ | 1.9- | 840802 413 | 1.5+ | 0.3- | 930319 809 | 0.1+ | 2.0+ |
| 710324 675 | 0.4- | 1.1- | 900914 675 | 0.0 | 1.4- | 930320 809 | 1.6+ | 1.4+ |
| 710325 675 | 1.4- | 0.3- | 900914 675 | 2.3+ | 0.7- | 930324 809 | 1.1+ | 0.7- |
| 710325 675 | 1.3- | 0.6- | 900918 675 | (1.1- | 4.1-) | 930415 691 | 1.3- | 0.4- |
| 710326 675 | 0.1+ | 1.8- | 900918 675 | 0.6+ | 2.2- | 930415 691 | 1.0- | 0.2- |
| 710327 675 | 0.9+ | 1.0- | 911208 691 | 0.1- | 0.2- | 930415 691 | 1.2- | 0.3- |
| 790923 095 | 1.5- | 0.7- | 911208 691 | 0.1+ | 0.1+ | 930421 413 | (3.3- | 6.7+) |
| 840802 413 | 0.8- | 0.5+ | 911208 691 | 0.2+ | 0.1- | | | |

1993 FT₄₁ = 1981 UX₁₄ = 1988 DF₁ = 1990 RW₆

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Williams

| <i>M</i> | 193.87784 | (2000.0) | | P | | Q | |
|----------|------------|----------|----------|-------------|-------------|----------|--|
| <i>n</i> | 0.20538656 | ω | 93.99100 | -0.09925870 | -0.99506130 | | |
| <i>a</i> | 2.8450378 | Ω | 1.70619 | +0.90120489 | -0.09025981 | | |
| <i>e</i> | 0.0597533 | <i>i</i> | 1.64188 | +0.42187374 | -0.04130597 | | |
| <i>P</i> | 4.80 | <i>H</i> | 12.5 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|-------|-------|
| 811023 095 | 0.5+ | 1.6- | 900913 809 | 0.1+ | 0.7- | 930324 809 | 2.0+ | 0.3+ |
| 880218 809 | 0.5- | 1.4- | 900913 809 | 0.4+ | 0.6- | 930328 691 | 1.3- | 2.0- |
| 880218 809 | 0.8- | 1.5- | 900914 809 | 0.4+ | 0.7- | 930328 691 | 1.3- | 0.6- |
| 900826 809 | 0.1- | 0.0 | 900914 809 | 0.8+ | 0.5- | 930415 691 | 0.9- | 0.3- |
| 900826 809 | 0.2- | 0.2- | 900914 809 | 1.0+ | 0.4- | 930415 691 | 0.6- | 0.2- |
| 900826 809 | 0.1- | 0.6- | 930319 809 | 0.3+ | 0.3+ | 930415 691 | 0.6- | 0.5- |
| 900913 809 | 0.4- | 0.6- | 930320 809 | 1.1+ | 0.3+ | 930421 413 | (2.0- | 3.3+) |

1993 FR₄₄ = 1979 SC₆ = 1990 SO₁₄

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Williams

| <i>M</i> | 160.57688 | (2000.0) | | P | | Q | |
|----------|------------|----------|-----------|-------------|-------------|----------|--|
| <i>n</i> | 0.17871212 | ω | 131.35910 | -0.26762869 | -0.96298983 | | |
| <i>a</i> | 3.1215242 | Ω | 334.11163 | +0.86067254 | -0.22398816 | | |
| <i>e</i> | 0.1279501 | <i>i</i> | 4.20603 | +0.43314855 | -0.14993297 | | |
| <i>P</i> | 5.52 | <i>H</i> | 11.5 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 790923 095 | 0.1+ | 0.3- | 900926 809 | 0.0 | 0.5- | 930322 809 | 0.5+ | 1.0- |
| 900925 809 | 0.3- | 0.1+ | 900926 809 | 0.1+ | 0.6- | 930324 809 | 0.8+ | 1.8+ |
| 900925 809 | 0.1- | 0.3+ | 900926 809 | 0.1- | 0.3- | 930417 413 | 0.2+ | 0.7- |
| 900925 809 | 0.3+ | 1.3+ | 930321 809 | 1.5- | 0.0 | | | |

1993 FA₄₅ = 1990 RM

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Williams

| <i>M</i> | 80.33869 | (2000.0) | | P | | Q | |
|----------|------------|----------|-----------|-------------|-------------|----------|--|
| <i>n</i> | 0.27333859 | ω | 269.18426 | +0.16843611 | +0.98560975 | | |
| <i>a</i> | 2.3514482 | Ω | 10.54488 | -0.87061016 | +0.15552543 | | |
| <i>e</i> | 0.2679536 | <i>i</i> | 4.46197 | -0.46224152 | +0.06622132 | | |
| <i>P</i> | 3.61 | <i>H</i> | 14.5 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 900914 675 | 0.6- | 0.3+ | 900919 675 | 0.2- | 0.2- | 930324 809 | 0.5+ | 0.4- |
| 900914 675 | 0.2+ | 0.1- | 930319 809 | 0.7- | 0.3+ | 930417 413 | 0.1- | 0.0 |
| 900919 675 | 0.6+ | 0.0 | 930320 809 | 0.3+ | 0.0 | | | |

1993 FE₄₈ = 1977 EG₈ = 1990 TZ₁₃

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Williams

| <i>M</i> | 44.03045 | (2000.0) | | P | | Q | |
|----------|------------|----------|-----------|-------------|-------------|----------|--|
| <i>n</i> | 0.18553041 | ω | 50.66480 | -0.38150320 | +0.92433433 | | |
| <i>a</i> | 3.0445701 | Ω | 196.91343 | -0.85615905 | -0.35653440 | | |
| <i>e</i> | 0.0970843 | <i>i</i> | 1.54286 | -0.34849246 | -0.13597525 | | |
| <i>P</i> | 5.31 | <i>H</i> | 12.5 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 770312 381 | 0.3+ | 0.7+ | 770315 381 | 0.0 | 0.2- | 930320 809 | 0.4- | 0.4+ |
| 770312 381 | 1.2- | 0.2+ | 901014 033 | 0.5+ | 0.1- | 930324 809 | 1.9+ | 0.3- |
| 770314 381 | 0.2- | 0.3+ | 901014 033 | 0.2- | 0.1- | 930417 413 | 0.8- | 0.3+ |
| 770314 381 | 0.7+ | 0.5- | 901014 033 | 0.3- | 0.3+ | | | |
| 770315 381 | 0.2+ | 0.9- | 930319 809 | 0.5- | 0.1+ | | | |

1993 FJ₅₀ = 1991 TM₅

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Williams

| <i>M</i> | 204.46813 | (2000.0) | | P | | Q | |
|----------|------------|----------|-----------|-------------|-------------|----------|--|
| <i>n</i> | 0.31055151 | ω | 160.25668 | -0.79034697 | -0.61255783 | | |
| <i>a</i> | 2.1596346 | Ω | 341.95492 | +0.55715171 | -0.71104421 | | |
| <i>e</i> | 0.0342034 | <i>i</i> | 2.06483 | +0.25482078 | -0.34523766 | | |
| <i>P</i> | 3.17 | <i>H</i> | 14.0 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 911003 033 | 1.3- | 0.6+ | 930319 809 | 0.2+ | 0.1+ | 930417 413 | 0.1- | 0.1- |
| 911004 033 | 0.1- | 0.7- | 930320 809 | 0.1- | 0.2- | | | |
| 911004 033 | 1.5+ | 0.1+ | 930324 809 | 0.1- | 0.1+ | | | |

1993 FS₅₀ = 1979 QS₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Williams

| <i>M</i> | 46.16663 | (2000.0) | | P | | Q | |
|----------|------------|----------|-----------|-------------|-------------|----------|--|
| <i>n</i> | 0.26561403 | ω | 315.12610 | +0.39794897 | +0.91730768 | | |
| <i>a</i> | 2.3968198 | Ω | 338.31299 | -0.83109053 | +0.35421930 | | |
| <i>e</i> | 0.1208678 | <i>i</i> | 2.09924 | -0.38849086 | +0.18186615 | | |
| <i>P</i> | 3.71 | <i>H</i> | 14.5 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 790822 809 | 0.3+ | 0.3- | 790823 809 | 0.4- | 0.5- | 930320 809 | 0.6- | 0.0 |
| 790822 809 | 1.2+ | 0.6+ | 790823 809 | 0.7- | 0.0 | 930324 809 | 0.1- | 0.2+ |
| 790822 809 | 0.3- | 0.2+ | 930319 809 | 0.7+ | 0.3- | 930417 413 | 0.0 | 0.1+ |

1993 HH₃ = 1982 HT₂ = 1990 SV₄

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Williams

| <i>M</i> | 181.05742 | (2000.0) | | P | | Q | |
|----------|------------|----------|-----------|-------------|-------------|----------|--|
| <i>n</i> | 0.17846524 | ω | 327.36968 | -0.02623930 | -0.99871051 | | |
| <i>a</i> | 3.1244023 | Ω | 124.09862 | +0.92805570 | -0.04049426 | | |
| <i>e</i> | 0.1063240 | <i>i</i> | 3.00848 | +0.37151596 | +0.03061906 | | |
| <i>P</i> | 5.52 | <i>H</i> | 12.0 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 820427 033 | 0.6+ | 1.2+ | 900925 809 | 0.4+ | 0.8+ | 930420 691 | 0.5- | 0.4- |
| 820427 033 | 0.1+ | 0.5+ | 930319 809 | 0.4- | 0.1+ | 930421 413 | 0.2- | 0.3+ |
| 900922 809 | 0.5- | 0.6- | 930320 809 | 1.0+ | 0.2+ | 930429 691 | 0.1- | 0.5- |

| | | | | | |
|-----------------|------|-----------------|------|-----------------|------|
| 900922 809 0.1- | 0.9- | 930324 809 0.5- | 0.4- | 930429 691 0.2- | 0.4- |
| 900922 809 0.3- | 0.7- | 930324 809 0.1+ | 1.2+ | 930429 691 0.2+ | 0.6- |
| 900925 809 0.6+ | 0.8+ | 930420 691 0.2+ | 0.6- | | |
| 900925 809 0.1- | 0.6+ | 930420 691 0.2- | 0.8- | | |

1993 NB₂ = 1949 QJ = 1979 BV₂ = 1991 AM₃

Id. K. Kinoshita (k), S. Nakano

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Nakano

| | | | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 13.05162 | | (2000.0) | P | Q |
| <i>n</i> | 0.24475970 | ω | 104.31434 | +0.74531096 | -0.66631091 |
| <i>a</i> | 2.5311008 | Ω | 297.47443 | +0.60114892 | +0.68669577 |
| <i>e</i> | 0.1715593 | <i>i</i> | 1.50271 | +0.28832541 | +0.29065218 |
| <i>P</i> | 4.03 | <i>H</i> | 14.1 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | |
|-----------------|------|------------------|-------|------------------|-------|
| 490821 024 2.1- | 0.4+ | 930712 809 0.5- | 1.8- | 930719 809 (2.1- | 3.9-) |
| 490822 024 2.1+ | 0.6- | 930712 809 0.3- | 1.0- | 930723 809 (0.8+ | 0.1+ |
| 790127 675 0.4+ | 0.6+ | 930712 809 0.2- | 1.0- | 930723 809 1.1+ | 0.5- |
| 790129 675 0.2- | 0.1+ | 930713 809 1.2- | 1.4+ | 930723 809 1.7+ | 0.6- |
| 910109 033 0.2- | 0.1- | 930713 809 1.8- | 0.2+ | 930724 809 0.2- | 0.4+ |
| 910115 033 0.2+ | 0.1- | 930713 809 2.1- | 0.4+ | 930726 809 0.8+ | 0.6+ |
| 910115 033 0.2+ | 0.2- | 930719 809 (2.6- | 4.0-) | 930726 809 0.9+ | 1.5+ |
| 910116 033 0.1- | 0.6+ | 930719 809 (2.1- | 4.0-) | 930726 809 0.9+ | 1.3+ |

1993 VB₅

Id. R. H. McNaught (1974, 1981 observations)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| | | | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 79.14444 | | (2000.0) | P | Q |
| <i>n</i> | 0.36129720 | ω | 266.03116 | +0.45889744 | -0.87165174 |
| <i>a</i> | 1.9523589 | Ω | 154.33258 | +0.88721882 | +0.45991512 |
| <i>e</i> | 0.1021556 | <i>i</i> | 23.41859 | -0.04749643 | +0.16941467 |
| <i>P</i> | 2.73 | <i>H</i> | 14.0 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | |
|-----------------|------|-----------------|------|-----------------|------|
| 741206 413 0.2- | 0.1- | 931104 413 0.4+ | 0.0 | 940322 413 0.1- | 0.1- |
| 741206 413 0.2+ | 0.0 | 931104 413 1.0- | 0.7- | 940322 413 0.1+ | 0.2- |
| 810202 413 0.2+ | 0.5- | 931105 413 0.9+ | 0.2- | 940322 413 0.2- | 0.9+ |
| 810202 413 0.2- | 0.0 | 931211 413 0.3- | 0.6+ | | |

1993 XT

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Bardwell

| | | | | | |
|----------|------------|----------|----------|-------------|-------------|
| <i>M</i> | 35.33552 | | (2000.0) | P | Q |
| <i>n</i> | 0.12540421 | ω | 15.24327 | -0.04039483 | -0.97693668 |
| <i>a</i> | 3.9530105 | Ω | 77.41542 | +0.89279924 | -0.12951196 |
| <i>e</i> | 0.1960123 | <i>i</i> | 12.40584 | +0.44863992 | +0.16976862 |
| <i>P</i> | 7.86 | <i>H</i> | 11.0 | <i>G</i> | 0.15 |

From 22 observations 1993 Dec. 11-1994 Apr. 15, mean residual 0".56.

1994 AE₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| | | | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 0.43670 | | (2000.0) | P | Q |
| <i>n</i> | 0.23381323 | ω | 114.46483 | -0.70419000 | +0.69249485 |
| <i>a</i> | 2.6094961 | Ω | 109.79709 | -0.69670918 | -0.63141697 |
| <i>e</i> | 0.4312542 | <i>i</i> | 9.58933 | -0.13679457 | -0.34894627 |
| <i>P</i> | 4.22 | <i>H</i> | 13.5 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | |
|-----------------|------|-----------------|------|-----------------|------|
| 820820 413 0.8- | 0.8+ | 940204 411 0.3- | 0.6+ | 940320 786 0.1+ | 0.1- |
| 820820 413 0.0 | 1.8+ | 940204 411 0.4- | 0.2- | 940320 786 0.1+ | 0.1+ |
| 940109 411 0.0 | 0.1- | 940212 675 1.3- | 1.9- | 940321 801 0.2- | 0.0 |
| 940109 411 0.3+ | 0.1- | 940212 675 0.5+ | 1.3- | 940321 801 0.6+ | 0.9- |
| 940114 411 0.6- | 0.1- | 940228 817 0.0 | 1.4+ | 940330 360 1.0+ | 0.3- |
| 940114 411 0.1- | 0.3+ | 940228 817 0.9- | 0.3- | 940330 360 0.7+ | 0.2- |
| 940114 411 0.2+ | 0.3+ | 940301 817 0.3+ | 1.1+ | 940330 360 0.7+ | 0.3- |
| 940121 411 0.4+ | 0.3- | 940301 817 1.0+ | 0.3+ | 940409 801 0.3+ | 0.2- |
| 940121 411 0.6+ | 0.5- | 940310 605 0.5+ | 0.1+ | 940409 801 0.8+ | 0.1- |
| 940121 411 0.5+ | 0.1+ | 940310 605 1.7- | 2.0+ | 940415 801 0.8+ | 0.7- |
| 940201 411 0.0 | 0.5+ | 940312 801 0.7- | 1.0- | 940415 801 0.0 | 0.2+ |
| 940201 411 0.2- | 1.1+ | 940312 801 0.5+ | 0.1- | 940502 786 2.1- | 2.1+ |
| 940201 411 0.4+ | 0.3- | 940312 605 0.7- | 0.9+ | 940502 786 1.5- | 1.8+ |

1994 AM₃

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| | | | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 26.63198 | | (2000.0) | P | Q |
| <i>n</i> | 0.29797005 | ω | 166.44671 | -0.98199137 | -0.18884504 |
| <i>a</i> | 2.2200068 | Ω | 2.68642 | +0.16048837 | -0.84924956 |
| <i>e</i> | 0.0860443 | <i>i</i> | 6.76790 | +0.09968169 | -0.49306464 |
| <i>P</i> | 3.31 | <i>H</i> | 13.5 | <i>G</i> | 0.15 |

From 21 observations 1994 Jan. 8-Apr. 6, mean residual 0".74.

1994 AC₁₃ = 1977 RR₁₀

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Harada

| | | | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 12.29504 | | (2000.0) | P | Q |
| <i>n</i> | 0.26756309 | ω | 149.66205 | -0.96586273 | +0.25707409 |
| <i>a</i> | 2.3851658 | Ω | 45.27129 | -0.24580245 | -0.87048187 |
| <i>e</i> | 0.2001540 | <i>i</i> | 2.57920 | -0.08179452 | -0.41973113 |
| <i>P</i> | 3.68 | <i>H</i> | 16.6 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | |
|-----------------|------|-----------------|------|-----------------|------|
| 770909 675 0.6- | 0.8- | 940111 691 0.4+ | 0.2+ | 940116 691 1.8- | 0.3- |
| 770910 675 0.6+ | 0.8+ | 940111 691 1.1+ | 0.4+ | 940116 691 1.3+ | 0.8+ |
| 940108 691 0.0 | 0.3- | 940111 691 0.2- | 0.2+ | | |
| 940108 691 0.8- | 0.3- | 940116 691 0.0 | 0.6- | | |

1994 CY

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| | | | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 60.87780 | | (2000.0) | P | Q |
| <i>n</i> | 0.17546950 | ω | 114.24805 | +0.94131038 | -0.23102595 |
| <i>a</i> | 3.1598633 | Ω | 259.86659 | +0.13774481 | +0.92851742 |
| <i>e</i> | 0.3179649 | <i>i</i> | 14.47708 | +0.30815766 | +0.29065859 |
| <i>P</i> | 5.62 | <i>H</i> | 13.5 | <i>G</i> | 0.15 |

From 21 observations 1993 Sept. 19-1994 Mar. 29, mean residual 0".63.

1994 CD₁ = 1986 HH₁ = 1991 NQ₄Id. S. Nakano (*MPC* 23243; unpublished)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Nakano

| | | | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 273.34057 | | (2000.0) | P | Q |
| <i>n</i> | 0.23188076 | ω | 165.49717 | +0.38536659 | +0.90041649 |
| <i>a</i> | 2.6239743 | Ω | 126.76800 | -0.86973752 | +0.42750876 |
| <i>e</i> | 0.1529162 | <i>i</i> | 14.59439 | -0.30830057 | -0.08053820 |
| <i>P</i> | 4.25 | <i>H</i> | 11.5 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | |
|------------|--------------|------------|-----------|------------|-----------|
| 860429 675 | (10.5+ 3.5-) | 910710 809 | 1.6- 0.5+ | 940217 411 | 0.4- 0.0 |
| 860501 054 | 0.1- 1.5+ | 910710 809 | 1.1- 0.5+ | 940217 411 | 0.4+ 0.3+ |
| 860502 054 | 1.9- 2.1- | 910710 809 | 0.3- 0.6+ | 940217 411 | 0.0 0.2+ |
| 860503 675 | 2.2+ 1.0- | 940207 411 | 0.1+ 0.0 | 940310 411 | 0.7+ 0.7+ |
| 860503 675 | 0.1- 1.5+ | 940207 411 | 0.2+ 0.1- | 940310 411 | 0.2+ 0.3+ |
| 860503 054 | 0.3- 0.8- | 940210 411 | 0.5- 0.2- | 940310 411 | 0.2+ 0.2+ |
| 910708 809 | 1.7+ 0.2+ | 940210 411 | 0.3+ 0.0 | | |
| 910708 809 | 1.3+ 0.5- | 940210 411 | 1.0- 0.5+ | | |

1994 CD₈ = 1978 UB₆

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | (2000.0) | P | Q | | |
| <i>n</i> | 0.28535440 | ω | 9.03864 | -0.65218323 | +0.75708025 |
| <i>a</i> | 2.2849656 | Ω | 220.26861 | -0.69918209 | -0.62040188 |
| <i>e</i> | 0.1135520 | <i>i</i> | 3.41967 | -0.29291883 | -0.20477058 |
| <i>P</i> | 3.45 | <i>H</i> | 14.0 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | |
|------------|-----------|------------|-----------|------------|-----------|
| 781027 675 | 0.5+ 0.4+ | 940208 303 | 0.3- 0.0 | 940220 413 | 0.3+ 0.1- |
| 781028 675 | 0.2- 0.1+ | 940209 303 | 0.1- 0.2- | 940312 413 | 0.7- 0.3+ |
| 781029 675 | 0.4- 0.3- | 940220 413 | 0.3+ 0.3- | 940312 413 | 0.6+ 0.4+ |

1994 EF = 1989 YB₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | (2000.0) | P | Q | | |
| <i>n</i> | 0.23452945 | ω | 212.70991 | -0.89517573 | -0.40871206 |
| <i>a</i> | 2.6041808 | Ω | 302.16465 | +0.44060138 | -0.75120190 |
| <i>e</i> | 0.0963009 | <i>i</i> | 12.12485 | +0.06731148 | -0.51831473 |
| <i>P</i> | 4.20 | <i>H</i> | 14.0 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | |
|------------|-----------|------------|-----------|------------|-----------|
| 891230 413 | 1.3- 0.3+ | 940306 589 | 0.2- 0.3- | 940311 589 | 0.2- 0.9+ |
| 891230 413 | 0.9+ 0.1+ | 940306 589 | 0.4+ 0.2+ | 940311 589 | 0.6- 0.6- |
| 891231 413 | 0.5- 0.8- | 940307 589 | 0.5+ 0.9- | 940317 589 | 0.7- 0.9- |
| 891231 413 | 1.1+ 0.8+ | 940307 589 | 1.8+ 0.9- | 940317 589 | 0.3- 0.2+ |
| 940305 589 | 0.2+ 0.3- | 940307 589 | 0.7- 0.0 | 940406 589 | 0.0 0.2+ |
| 940305 589 | 0.2- 0.1- | 940307 589 | 0.2- 0.2- | 940406 589 | 0.9+ 0.2- |
| 940305 589 | 0.1+ 0.5- | 940308 589 | 0.3- 1.6+ | 940406 589 | 0.7+ 0.0 |
| 940305 589 | 0.3+ 0.2+ | 940308 589 | 1.4- 0.6+ | 940428 589 | 0.2- 0.6+ |
| 940306 589 | 0.4- 0.2+ | 940311 589 | 1.1+ 0.5+ | 940428 589 | 0.8- 0.6- |

1994 EG₁ = 1938 EN = 1951 EE = 1977 EC₄

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Urata | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | (2000.0) | P | Q | | |
| <i>n</i> | 0.22848722 | ω | 332.39956 | -0.75886896 | -0.64895692 |
| <i>a</i> | 2.6498916 | Ω | 166.69860 | +0.63262527 | -0.75446175 |
| <i>e</i> | 0.1125016 | <i>i</i> | 13.70858 | +0.15460650 | -0.09819564 |
| <i>P</i> | 4.31 | <i>H</i> | 12.5 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | |
|------------|----------------|------------|-----------|------------|-----------|
| 380304 024 | (77.9- 72.3-)X | 940306 905 | 0.7+ 0.0 | 940314 905 | 0.2+ 0.1- |
| 510306 024 | 0.2- 0.9- | 940306 905 | 1.1- 0.2+ | 940314 905 | 0.8+ 0.7+ |
| 770315 381 | 0.0 0.2+ | 940310 905 | 0.3- 0.6+ | 940403 905 | 0.3- 0.1+ |
| 770315 381 | 0.1+ 0.2+ | 940310 905 | 0.0 0.4- | 940403 905 | 0.0 0.6- |

1994 EQ₁ = 1982 VK = 1989 YF₈

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Kobayashi | | | |
|----------|------------|-----------|-----------|-------------|-------------|
| <i>M</i> | (2000.0) | P | Q | | |
| <i>n</i> | 0.28886125 | ω | 296.19363 | -0.34379703 | -0.93901747 |
| <i>a</i> | 2.2664346 | Ω | 173.90190 | +0.88352681 | -0.32600764 |
| <i>e</i> | 0.1097994 | <i>i</i> | 3.80851 | +0.31809430 | -0.10938558 |
| <i>P</i> | 3.41 | <i>H</i> | 13.9 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | |
|------------|-----------|------------|-----------|------------|-----------|
| 821111 046 | 0.8- 1.5+ | 940310 411 | 0.3+ 1.2+ | 940403 411 | 0.0 1.0- |
| 821111 046 | 0.9+ 1.7- | 940310 411 | 0.1+ 0.1- | 940403 411 | 0.3+ 0.6+ |
| 891225 033 | 0.0 0.3- | 940315 411 | 0.2- 0.8- | 940403 411 | 0.3+ 0.2+ |
| 891225 033 | 0.6- 0.3+ | 940315 411 | 0.5- 0.1- | | |
| 891226 033 | 0.6+ 0.1+ | 940315 411 | 0.2- 0.3- | | |

1994 EF₃ = 1979 BA₃

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | (2000.0) | P | Q | | |
| <i>n</i> | 0.27385231 | ω | 286.51999 | +0.59686959 | -0.79734413 |
| <i>a</i> | 2.3485065 | Ω | 126.49199 | +0.77200508 | +0.54038786 |
| <i>e</i> | 0.0864282 | <i>i</i> | 6.38329 | +0.21852881 | +0.26874392 |
| <i>P</i> | 3.60 | <i>H</i> | 14.0 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | |
|------------|-------------|------------|-------------|------------|-------------|
| 790127 675 | 0.3- 0.6- | 940314 098 | (3.7- 4.5+) | 940406 111 | 0.5- 0.1- |
| 790129 675 | 0.3+ 0.5+ | 940319 108 | 0.3+ 0.5- | 940407 111 | (2.1+ 2.8-) |
| 940312 098 | 0.2- 0.7+ | 940319 108 | 0.7- 0.2+ | 940407 111 | 0.6+ 0.6- |
| 940313 098 | 0.2- 0.8- | 940319 108 | 0.6+ 1.1+ | | |
| 940314 098 | (4.8- 5.0+) | 940406 111 | (2.5- 3.5+) | | |

1994 EN₃ = 1975 RB₁ = 1978 ER₅ = 1991 RJ₂₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Nakano | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | (2000.0) | P | Q | | |
| <i>n</i> | 0.18735820 | ω | 256.42136 | +0.74478201 | -0.65796255 |
| <i>a</i> | 3.0247367 | Ω | 144.53117 | +0.66202198 | +0.70758549 |
| <i>e</i> | 0.1027584 | <i>i</i> | 11.05727 | +0.08382508 | +0.25769760 |
| <i>P</i> | 5.26 | <i>H</i> | 11.6 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | |
|------------|-----------|------------|-----------|------------|-----------|
| 750903 095 | 0.6+ 1.8- | 910916 675 | 0.1- 1.3- | 940318 400 | 0.3+ 0.3- |
| 750906 095 | 0.7- 2.1+ | 910916 675 | 0.5- 0.3+ | 940405 400 | 1.2+ 0.3+ |
| 780306 095 | 0.3+ 1.0+ | 940314 400 | 0.9+ 2.0- | 940405 400 | 1.0- 1.4+ |
| 910914 675 | 0.8+ 0.1- | 940314 400 | 0.5+ 0.9- | | |
| 910914 675 | 0.1- 1.0+ | 940318 400 | 2.2- 0.8+ | | |

1994 EQ₃ = 1937 JF = 1937 JQ = 1984 FW₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Nakano | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | (2000.0) | P | Q | | |
| <i>n</i> | 0.09624814 | ω | 97.93286 | -0.78132236 | +0.61816421 |
| <i>a</i> | 4.7156456 | Ω | 120.29261 | -0.60468817 | -0.71560298 |
| <i>e</i> | 0.3679970 | <i>i</i> | 5.72089 | -0.15455613 | -0.32524666 |
| <i>P</i> | 10.24 | <i>H</i> | 11.3 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | |
|------------|----------------|------------|-----------|------------|-----------|
| 370505 078 | (27.7+ 13.2+)X | 840430 675 | 1.2+ 0.4- | 940413 360 | 0.3- 0.0 |
| 370513 012 | (40.1+ 8.8-)X | 840430 675 | 0.3- 0.5+ | 940413 360 | 0.2- 0.0 |
| 541222 675 | 0.2- 1.2+ | 840527 675 | 0.4+ 0.2+ | 940413 896 | 1.7+ 0.1+ |
| 541222 675 | 0.7+ 0.2+ | 840527 675 | 1.8- 0.6- | 940413 896 | 2.6- 1.2+ |

| | | | | | | | | | | | |
|--------|-----|-------|-------|--------|-----|------|------|--------|-----|-------|-------|
| 560513 | 760 | 1.3+ | 0.9+ | 940314 | 400 | 1.6+ | 0.2- | 940414 | 402 | 0.2+ | 0.2+ |
| 560513 | 760 | 0.7- | 0.2+ | 940314 | 400 | 0.4- | 0.4- | 940414 | 402 | 1.1- | 0.7+ |
| 650228 | 760 | 1.2- | 1.6- | 940318 | 400 | 0.3- | 0.1+ | 940414 | 871 | 0.9- | 1.1- |
| 650228 | 760 | (2.9- | 1.5-) | 940318 | 400 | 0.4+ | 0.1+ | 940414 | 871 | 1.1- | 0.8- |
| 840307 | 413 | 0.8- | 0.2- | 940320 | 896 | 1.0+ | 1.7- | 940414 | 871 | 1.9- | 0.3- |
| 840329 | 675 | 0.0 | 0.4+ | 940331 | 400 | 0.5- | 1.2- | 940416 | 376 | 2.2+ | 0.6+ |
| 840329 | 675 | 1.5+ | 0.1+ | 940331 | 400 | 1.7+ | 0.9- | 940416 | 376 | 1.7+ | 1.1+ |
| 840329 | 095 | 2.1+ | 0.7+ | 940409 | 400 | 0.4- | 0.5- | 940416 | 376 | 0.0 | 0.1+ |
| 840330 | 675 | 1.8- | 0.6+ | 940409 | 400 | 0.9+ | 1.2- | 940420 | 540 | 1.8+ | 0.2+ |
| 840330 | 675 | 0.2+ | 0.5+ | 940411 | 896 | 1.5- | 0.4- | 940420 | 540 | 0.1- | 1.8+ |
| 840404 | 095 | (3.5+ | 0.9+) | 940411 | 896 | 2.1- | 0.3+ | 940420 | 540 | 1.4+ | 0.2+ |
| 840429 | 675 | 0.3- | 1.8- | 940412 | 372 | 0.2+ | 1.2+ | 940420 | 540 | (3.1+ | 0.8+) |
| 840429 | 675 | 0.6- | 0.5- | 940412 | 372 | 1.3- | 1.7+ | | | | |

1994 FX = 1981 UM₂₁ = 1990 DA₅ = 1990 DA₆ = 1991 PD₉

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 331.05832 | | (2000.0) | P | Q |
|----------|------------|----------|-----------|-------------|-------------|
| <i>n</i> | 0.28218688 | ω | 126.73248 | +0.37271961 | +0.92759239 |
| <i>a</i> | 2.3020328 | Ω | 165.08808 | -0.87988115 | +0.36202469 |
| <i>e</i> | 0.1952018 | <i>i</i> | 5.69656 | -0.29476984 | +0.09225225 |
| <i>P</i> | 3.49 | <i>H</i> | 13.5 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 811024 | 675 | 0.6- | 0.4+ | 910815 | 675 | 1.3+ | 0.3+ | 940405 | 400 | 1.8+ | 2.1- |
| 811025 | 675 | 0.2+ | 0.3+ | 910815 | 675 | 0.8- | 0.1+ | 940411 | 675 | 0.3- | 0.1+ |
| 811026 | 675 | 0.1+ | 0.3+ | 910816 | 675 | 0.6- | 0.1- | 940411 | 675 | 0.3+ | 0.1+ |
| 900222 | 033 | 0.4+ | 0.8- | 940331 | 400 | 1.7- | 0.3- | 940413 | 675 | 0.4+ | 0.2+ |
| 900223 | 033 | 0.5- | 0.1+ | 940331 | 400 | 0.2+ | 1.5+ | 940413 | 675 | 0.2+ | 0.5+ |
| 900223 | 033 | 0.2+ | 0.6+ | 940405 | 400 | 0.6- | 1.1+ | | | | |

1994 FZ = 1990 DE₁ = 1991 RD₃₀

Epoch 1994 Sep. 5.0 TT = JDT 2449600.5

Nakano

| <i>M</i> | 18.46203 | | (2000.0) | P | Q |
|----------|------------|----------|-----------|-------------|-------------|
| <i>n</i> | 0.26986896 | ω | 131.90109 | -0.60526299 | +0.79003892 |
| <i>a</i> | 2.3715599 | Ω | 100.59130 | -0.75654467 | -0.53284415 |
| <i>e</i> | 0.1892850 | <i>i</i> | 5.68921 | -0.24758207 | -0.30317589 |
| <i>P</i> | 3.65 | <i>H</i> | 13.6 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 900217 | 046 | 0.2- | 0.2- | 910914 | 675 | 0.2+ | 0.1- | 940405 | 400 | 1.4- | 1.7+ |
| 900217 | 046 | 0.0 | 1.4- | 910914 | 675 | 1.1- | 1.0+ | 940405 | 400 | 1.9+ | 2.4- |
| 900220 | 046 | 0.5- | 1.7+ | 910915 | 675 | 0.3+ | 0.1+ | 940408 | 400 | 0.6+ | 0.0 |
| 900220 | 046 | 2.0- | 0.4+ | 910915 | 675 | 0.6+ | 1.3- | 940408 | 400 | 1.4+ | 0.6+ |
| 900221 | 046 | 0.5+ | 0.1- | 940331 | 400 | 1.4- | 0.5+ | | | | |
| 900221 | 046 | 2.2+ | 0.4- | 940331 | 400 | 1.2- | 0.6- | | | | |

1994 GW = 1977 KB₂ = 1978 TG₇ = 1987 WA₄ = 1989 CG₉

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 321.54704 | | (2000.0) | P | Q |
|----------|------------|----------|-----------|-------------|-------------|
| <i>n</i> | 0.22748576 | ω | 223.84355 | +0.29657095 | +0.92964189 |
| <i>a</i> | 2.6576630 | Ω | 64.52875 | -0.79584386 | +0.36713934 |
| <i>e</i> | 0.1645680 | <i>i</i> | 14.01644 | -0.52789982 | -0.03121958 |
| <i>P</i> | 4.33 | <i>H</i> | 12.5 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 770518 | 675 | 0.0 | 0.9- | 940412 | 596 | 1.2+ | 0.8+ | 940420 | 596 | 0.7+ | 0.8- |
| 770519 | 675 | 0.8- | 1.0- | 940412 | 596 | 0.5+ | 0.8+ | 940430 | 596 | 0.4- | 0.6- |

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 781002 | 095 | 1.0- | 1.0+ | 940414 | 596 | 0.1- | 0.8+ | 940430 | 596 | 0.3+ | 0.8- |
| 871124 | 688 | 1.1- | 0.3+ | 940414 | 596 | 0.1- | 1.3+ | 940430 | 596 | 2.3+ | 0.7- |
| 871124 | 688 | 1.0+ | 0.5+ | 940414 | 596 | 0.6- | 1.0+ | 940501 | 596 | 1.4+ | 0.6+ |
| 890202 | 675 | 0.7- | 0.6- | 940414 | 596 | 1.1- | 0.9+ | 940501 | 596 | 0.2+ | 0.3+ |
| 890202 | 675 | 0.3+ | 1.8- | 940420 | 596 | 2.5- | 0.9+ | 940501 | 596 | 1.2+ | 0.0 |
| 940412 | 596 | 1.1- | 0.7- | 940420 | 596 | 0.7- | 0.2+ | | | | |
| 940412 | 596 | 1.3+ | 0.4+ | 940420 | 596 | 0.1- | 0.4- | | | | |

1994 GZ = 1972 EM = 1987 SP₁₉ = 1989 EW₆

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

| <i>M</i> | 125.48890 | | (2000.0) | P | Q |
|----------|------------|----------|-----------|-------------|-------------|
| <i>n</i> | 0.22856621 | ω | 277.43603 | -0.26035907 | -0.96501922 |
| <i>a</i> | 2.6492811 | Ω | 187.86266 | +0.95068948 | -0.25065599 |
| <i>e</i> | 0.1712271 | <i>i</i> | 13.02842 | +0.16853092 | -0.07687312 |
| <i>P</i> | 4.31 | <i>H</i> | 12.3 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|-------|--------|--------|-----|------|------|--------|-----|------|------|
| 720314 | 095 | (0.6+ | 11.1-) | 940414 | 411 | 1.0+ | 0.3+ | 940417 | 411 | 0.9- | 0.1+ |
| 870917 | 095 | 0.7+ | 0.6+ | 940414 | 411 | 0.0 | 0.2- | 940417 | 411 | 0.8- | 0.2+ |
| 870923 | 095 | 0.7- | 0.7- | 940415 | 411 | 0.1- | 0.0 | 940417 | 411 | 0.0 | 0.0 |
| 890305 | 033 | 0.1+ | 0.1- | 940415 | 411 | 0.7+ | 0.2+ | | | | |
| 890305 | 033 | 0.1- | 0.1+ | 940415 | 411 | 0.2+ | 0.7- | | | | |

1994 GF₉ = 1983 HK = 1983 HU = 1983 JG₁ = 1984 SN₈ = 1991 PS₁₃
Id. S. Nakano, F. N. Bowman (d, *MPC* 8482); 4524 P-L = 1983 HU (*MPC* 22821) is invalid.

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Nakano

| <i>M</i> | 14.01418 | | (2000.0) | P | Q |
|----------|------------|----------|-----------|-------------|-------------|
| <i>n</i> | 0.26568507 | ω | 198.74064 | -0.71512827 | +0.69871302 |
| <i>a</i> | 2.3963925 | Ω | 25.61758 | -0.63532191 | -0.63792011 |
| <i>e</i> | 0.1530972 | <i>i</i> | 2.62357 | -0.29147491 | -0.32381794 |
| <i>P</i> | 3.71 | <i>H</i> | 13.7 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|-------|-------|--------|-----|-------|-------|
| 830416 | 046 | 3.7- | 0.6+ | 910806 | 675 | 0.4- | 1.1- | 940411 | 399 | 1.8- | 1.0- |
| 830416 | 046 | 2.2- | 4.9+ | 910806 | 675 | 0.3+ | 1.5- | 940411 | 399 | (3.2- | 0.4-) |
| 830418 | 688 | 2.6+ | 1.8- | 910810 | 675 | (2.5- | 3.9+) | 940413 | 399 | 0.9+ | 1.0- |
| 830418 | 688 | 2.5+ | 1.5- | 910810 | 675 | 1.3+ | 0.4- | 940413 | 399 | 1.5- | 1.5- |
| 830515 | 095 | 2.9+ | 2.2+ | 940312 | 399 | 1.0- | 0.7- | | | | |
| 840921 | 010 | 0.1+ | 0.3- | 940312 | 399 | 0.5+ | 1.7- | | | | |

2712 P-L = 1993 FD₃₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 71.32606 | | (2000.0) | P | Q |
|----------|------------|----------|-----------|-------------|-------------|
| <i>n</i> | 0.22848403 | ω | 131.19803 | -0.44069980 | +0.89638262 |
| <i>a</i> | 2.6499163 | Ω | 112.59403 | -0.83829296 | -0.39194287 |
| <i>e</i> | 0.0462336 | <i>i</i> | 2.96581 | -0.32101184 | -0.20707241 |
| <i>P</i> | 4.31 | <i>H</i> | 14.0 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 600924 | 675 | 1.6- | 0.4- | 601022 | 675 | 1.0+ | 0.1- | 930320 | 809 | 1.6+ | 0.5- |
| 600926 | 675 | 0.4+ | 0.8+ | 601025 | 675 | 0.1- | 1.2- | 930324 | 809 | 0.4- | 0.4- |
| 600928 | 675 | 0.2- | 0.1+ | 601026 | 675 | 0.4+ | 0.6- | 930421 | 413 | 1.4- | 0.3- |
| 601017 | 675 | 0.2+ | 1.6+ | 930319 | 809 | 0.2+ | 1.4+ | | | | |

4024 P-L = 1990 RT₁Id. E. Bowell (*MPC* 17651)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.22898250 | ω 52.53209 | +0.93213290 +0.35868173 |
| <i>a</i> | 2.6460691 | Ω 286.40043 | -0.34645640 +0.84339299 |
| <i>e</i> | 0.1373786 | <i>i</i> 2.97307 | -0.10533861 +0.40004460 |
| <i>P</i> | 4.30 | <i>H</i> 13.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 600924 675 | 0.1+ | 0.4- | 601024 675 | 0.5+ | 0.7+ | 930321 809 | 1.4- | 1.6+ |
| 600925 675 | 0.2- | 0.2+ | 601026 675 | 0.4- | 0.7- | 930322 809 | 1.1+ | 0.3- |
| 600926 675 | 0.1- | 0.3- | 900915 675 | 0.9- | 0.4- | 930326 809 | 1.5+ | 0.1- |
| 600928 675 | 1.0- | 0.7- | 900915 675 | 0.2+ | 0.1- | 930417 413 | 1.7- | 2.0- |
| 601017 675 | 0.5+ | 0.1+ | 900920 675 | 1.3+ | 1.0+ | | | |
| 601022 675 | 1.2+ | 0.1- | 900920 675 | 0.9- | 0.0 | | | |

4099 P-L = 1991 TV₁₃ = 1993 FR₂₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.28711324 | ω 193.65127 | +0.71103729 -0.70160522 |
| <i>a</i> | 2.2756243 | Ω 211.06997 | +0.65332025 +0.68371959 |
| <i>e</i> | 0.1549099 | <i>i</i> 5.18601 | +0.25999736 +0.20069288 |
| <i>P</i> | 3.43 | <i>H</i> 15.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|-------|-------|
| 600924 675 | 0.5- | 0.2- | 601024 675 | 0.1+ | 0.1- | 930322 809 | 0.3+ | 0.7- |
| 600925 675 | 0.3+ | 0.7+ | 601026 675 | 0.1+ | 0.4- | 930326 809 | 0.3+ | 0.1+ |
| 600926 675 | 0.2+ | 0.4- | 911004 691 | 0.2- | 0.1+ | 930327 809 | (6.0+ | 6.6-) |
| 600928 675 | 0.3+ | 0.1- | 911004 691 | 0.2- | 0.2+ | 930418 413 | 0.1+ | 1.9+ |
| 601017 675 | 0.4+ | 0.4+ | 911004 691 | 0.1+ | 0.8+ | | | |
| 601022 675 | 1.0- | 0.1- | 930321 809 | 0.4- | 0.4- | | | |

4269 P-L = 1994 GU₇

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.19064326 | ω 225.19500 | +0.33276862 -0.94093272 |
| <i>a</i> | 2.9898891 | Ω 205.56435 | +0.90093461 +0.33680907 |
| <i>e</i> | 0.0696954 | <i>i</i> 8.33249 | +0.27853522 +0.03471710 |
| <i>P</i> | 5.17 | <i>H</i> 14.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 600924 675 | 0.6- | 0.6+ | 601022 675 | 0.1+ | 0.2- | 940412 691 | 0.2- | 0.1- |
| 600925 675 | 0.0 | 0.0 | 601026 675 | 0.1- | 0.2+ | 940415 691 | 0.1- | 0.1- |
| 600926 675 | 0.7+ | 0.3- | 940412 691 | 0.1- | 0.0 | 940415 691 | 0.0 | 0.0 |
| 600928 675 | 0.1- | 0.3- | 940412 691 | 0.0 | 0.3+ | 940415 691 | 0.3+ | 0.2- |

4524 P-L = 1953 RX₁ = 1991 RM₃₂Id. E. Bowell (*MPC* 22821), G. V. Williams (*ibid.*); see also *MPC* 23531

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Nakano | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.28695524 | ω 155.52062 | +0.91798769 -0.39654662 |
| <i>a</i> | 2.2764596 | Ω 227.84374 | +0.36230134 +0.84565624 |
| <i>e</i> | 0.0860560 | <i>i</i> 0.54310 | +0.16135778 +0.35723424 |
| <i>P</i> | 3.43 | <i>H</i> 13.7 | <i>G</i> 0.15 |

Residuals in seconds of arc (or two decimals in units of degrees)

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 530906 675 | 0.7+ | 0.2+ | 600928 675 | 0.6- | 0.3+ | 601026 675 | 0.2- | 0.6- |
| 530906 675 | 0.7- | 0.4- | 600928 675 | 0.6- | 0.1- | 910911 402 | 1.3+ | 1.8- |
| 600924 675 | 0.6+ | 0.5+ | 601017 675 | 0.5+ | 0.7+ | 910911 402 | 0.1- | 1.4- |

| | | | | | |
|------------|------|------|------------|------|------|
| 600926 675 | 0.3+ | 0.3+ | 601022 675 | 0.5- | 0.8+ |
| 600927 675 | 0.3+ | 1.1+ | 601024 675 | 1.3- | 0.1+ |

4865 P-L = 1993 FW₃₉

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.31866665 | ω 280.50037 | +0.74402905 +0.66780076 |
| <i>a</i> | 2.1228125 | Ω 37.60740 | -0.59839788 +0.68033739 |
| <i>e</i> | 0.0095748 | <i>i</i> 2.02050 | -0.29722171 +0.30196555 |
| <i>P</i> | 3.09 | <i>H</i> 15.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|-------|-------|
| 600924 675 | 0.7+ | 0.3- | 601017 675 | 0.2- | 0.6- | 930319 809 | 1.1- | 0.3+ |
| 600926 675 | 0.1+ | 0.0 | 601022 675 | 0.3- | 0.3+ | 930320 809 | 0.3+ | 0.1- |
| 600927 675 | 0.8+ | 0.9+ | 601025 675 | 0.2- | 0.4- | 930324 809 | 0.5+ | 0.5- |
| 600928 675 | 1.0- | 0.6- | 601026 675 | 0.3+ | 0.4+ | 930417 413 | (6.4- | 1.7+) |

6614 P-L = 1993 FV₃₆

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.22975290 | ω 186.72784 | +0.56714863 +0.82249961 |
| <i>a</i> | 2.6401507 | Ω 117.83226 | -0.75337596 +0.53910588 |
| <i>e</i> | 0.0786162 | <i>i</i> 2.77791 | -0.33281691 +0.18127119 |
| <i>P</i> | 4.29 | <i>H</i> 14.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 600924 675 | 1.0- | 0.6- | 601017 675 | 0.2+ | 0.5+ | 930319 809 | 0.8- | 0.8+ |
| 600926 675 | 0.1+ | 0.1- | 601022 675 | 1.0- | 0.2- | 930320 809 | 0.7+ | 0.2- |
| 600927 675 | 0.9+ | 0.1+ | 601024 675 | 0.3+ | 0.4- | 930324 809 | 0.1+ | 0.6- |
| 600928 675 | 0.0 | 0.7+ | 601026 675 | 0.5+ | 0.1+ | | | |

6625 P-L = 1993 FK₃₆

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.26113677 | ω 148.95219 | +0.25844349 +0.96549924 |
| <i>a</i> | 2.4241381 | Ω 136.00310 | -0.89546953 +0.25182834 |
| <i>e</i> | 0.1190900 | <i>i</i> 2.63294 | -0.36241037 +0.06628506 |
| <i>P</i> | 3.77 | <i>H</i> 14.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 600924 675 | 0.2- | 1.2+ | 601017 675 | 1.5- | 0.2+ | 930319 809 | 1.0- | 0.6+ |
| 600926 675 | 0.3+ | 0.0 | 601022 675 | 0.7- | 1.3- | 930320 809 | 0.2+ | 0.3- |
| 600927 675 | 0.6+ | 0.4- | 601024 675 | 1.0+ | 0.1+ | 930324 809 | 1.4+ | 0.6- |
| 600928 675 | 0.3+ | 0.3- | 601026 675 | 0.2+ | 0.3+ | 930418 413 | 0.7- | 0.1+ |

6833 P-L = 1993 FG₄₉

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.19862958 | ω 217.07004 | -0.86832115 +0.49598494 |
| <i>a</i> | 2.9091990 | Ω 352.66111 | -0.44690391 -0.78597989 |
| <i>e</i> | 0.0859140 | <i>i</i> 1.86716 | -0.21516338 -0.36909966 |
| <i>P</i> | 4.96 | <i>H</i> 14.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 600924 675 | 1.0- | 0.9+ | 600927 675 | 0.4- | 0.2+ | 930320 809 | 0.4- | 0.1+ |
| 600924 675 | 1.1+ | 0.4+ | 600928 675 | 0.5- | 1.7- | 930324 809 | 0.4- | 0.4- |
| 600926 675 | 0.5+ | 0.7+ | 600928 675 | 0.5+ | 0.9- | 930417 413 | 0.2+ | 0.5+ |
| 600926 675 | 0.1+ | 0.3- | 930319 809 | 0.3+ | 1.0- | | | |

1101 T-1 = 1993 FS₃₀

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 149.91303 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.22464016 | ω 235.45602 | -0.89914816 | -0.43326510 |
| <i>a</i> | 2.6800596 | Ω 278.79938 | +0.41921922 | -0.81216097 |
| <i>e</i> | 0.0461709 | <i>i</i> 3.58289 | +0.12564962 | -0.39073764 |
| <i>P</i> | 4.39 | <i>H</i> 14.0 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 710324 675 | 0.2+ | 1.6- | 710327 675 | 1.3+ | 1.5- | 930322 809 | 0.1+ | 0.2- |
| 710325 675 | 0.6- | 0.3+ | 710402 675 | 0.1+ | 0.5+ | 930326 809 | 0.0 | 0.3+ |
| 710325 675 | 0.7- | 0.9+ | 930321 809 | 1.8- | 1.0+ | 930417 413 | 0.0 | 0.5- |
| 710326 675 | 0.6- | 1.1+ | 930321 809 | 1.8+ | 0.3- | | | |

1293 T-1 = 1991 PW₁₅Id. S. Nakano (*MPC* 19878), T. Kobayashi (*ibid.*)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Bowell

| <i>M</i> | 301.84109 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.31027145 | ω 32.99838 | +0.94941501 | -0.31354197 |
| <i>a</i> | 2.1609340 | Ω 345.24435 | +0.27128829 | +0.84684720 |
| <i>e</i> | 0.0942374 | <i>i</i> 3.91605 | +0.15815752 | +0.42958266 |
| <i>P</i> | 3.18 | <i>H</i> 15.0 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------|-------|------------|------|------|
| 531001 675 | 0.1- | 0.2+ | 710326 675 | 1.1- | 0.4- | 710513 675 | 1.6+ | 0.7+ |
| 531001 675 | 0.2- | 0.4+ | 710326 675 | 0.7- | 0.7- | 710514 675 | 0.7+ | 0.5+ |
| 710325 675 | 1.0+ | 0.1+ | 710327 675 | 1.7+ | 0.7- | 910806 675 | 0.5- | 0.1+ |
| 710325 675 | 0.6+ | 1.2- | 710402 675 | 1.5- | 0.7+ | 910806 675 | 0.3- | 0.9- |
| 710325 675 | 0.2- | 0.2+ | 710416 675 | (0.7+ | 2.7-) | 910810 675 | 0.6+ | 0.2+ |
| 710326 675 | 0.5- | 1.2+ | 710416 675 | 1.1- | 0.1+ | 910810 675 | 0.4+ | 0.0 |

2202 T-1 = 1993 FG₄

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 70.33148 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.17892653 | ω 74.71983 | -0.62361453 | +0.78120517 |
| <i>a</i> | 3.1190300 | Ω 156.62609 | -0.74211632 | -0.58007570 |
| <i>e</i> | 0.3298905 | <i>i</i> 4.14776 | -0.24569960 | -0.23071772 |
| <i>P</i> | 5.51 | <i>H</i> 13.5 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 710324 675 | 0.9- | 2.6- | 710402 675 | 1.6+ | 0.3+ | 710516 675 | 0.3+ | 0.3+ |
| 710325 675 | 1.1- | 1.0+ | 710416 675 | 1.9+ | 1.0- | 930317 809 | 1.1+ | 0.3- |
| 710325 675 | 1.5- | 0.1+ | 710416 675 | 0.8+ | 0.0 | 930318 809 | 0.8+ | 0.2+ |
| 710326 675 | 0.7- | 1.3+ | 710513 675 | 0.2- | 0.3+ | 930323 809 | 0.8+ | 0.2+ |
| 710327 675 | 0.5- | 0.3- | 710514 675 | 0.3- | 0.9- | 930416 413 | 2.3- | 1.3+ |

3077 T-1 = 1994 GP₆

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 28.73599 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.17234427 | ω 174.98904 | -0.96251699 | +0.27118391 |
| <i>a</i> | 3.1979487 | Ω 20.74739 | -0.24928087 | -0.87798189 |
| <i>e</i> | 0.1223280 | <i>i</i> 0.72924 | -0.10686482 | -0.39447064 |
| <i>P</i> | 5.72 | <i>H</i> 13.5 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 710324 675 | 0.8+ | 0.6+ | 710416 675 | 1.3+ | 0.8- | 940416 691 | 0.0 | 0.1- |
| 710325 675 | 0.9- | 0.2+ | 710416 675 | 2.2- | 1.7+ | 940416 691 | 0.1- | 0.0 |
| 710326 675 | 0.8+ | 0.8+ | 710513 675 | 0.2- | 0.6+ | 940416 691 | 0.1- | 0.0 |

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 710326 675 | 0.2+ | 1.4- | 710514 675 | 0.7+ | 0.4+ | 940416 691 | 0.1- | 0.1+ |
| 710327 675 | 1.2- | 0.7+ | 940411 691 | 0.3+ | 0.2+ | 940416 691 | 0.4- | 0.6- |
| 710327 675 | 1.4+ | 1.3- | 940411 691 | 0.6+ | 0.2+ | 940416 691 | 0.2- | 0.1- |
| 710402 675 | 1.3- | 0.2+ | 940411 691 | 0.6+ | 0.1- | 940416 691 | 0.2- | 0.0 |
| 710416 675 | 2.2+ | 2.2- | 940416 691 | 0.3- | 0.0 | | | |
| 710416 675 | 1.2- | 1.3+ | 940416 691 | 0.1- | 0.1+ | | | |

3308 T-1 = 1978 RW₉ = 1992 AR₆ = 1993 FK₄₇

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 37.32963 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.17855889 | ω 85.19948 | -0.27245121 | +0.96215823 |
| <i>a</i> | 3.1233098 | Ω 168.98694 | -0.89219350 | -0.25081381 |
| <i>e</i> | 0.1147246 | <i>i</i> 1.40282 | -0.36022368 | -0.10650807 |
| <i>P</i> | 5.52 | <i>H</i> 13.5 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 710324 675 | (6.8+ | 5.1-) | 710416 675 | 0.4- | 0.2- | 920109 691 | 0.0 | 1.2- |
| 710325 675 | (4.9+ | 3.1-) | 710416 675 | 0.6- | 0.7- | 930319 809 | 0.6+ | 1.2+ |
| 710326 675 | 0.7- | 1.5- | 780902 809 | 0.7+ | 1.0- | 930320 809 | 0.3+ | 0.7+ |
| 710326 675 | 0.5- | 1.0- | 780902 809 | 0.1- | 0.3- | 930324 809 | 0.4+ | 1.0+ |
| 710327 675 | 1.2+ | 1.7- | 780902 809 | 0.3+ | 1.1- | 930417 413 | 0.3+ | 0.8+ |
| 710402 675 | 1.3- | 0.4- | 920109 691 | 0.2- | 0.5- | | | |

4333 T-1 = 1993 FQ₅

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 84.67162 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.17901217 | ω 94.33573 | -0.95257806 | +0.30094835 |
| <i>a</i> | 3.1180351 | Ω 103.18357 | -0.29429633 | -0.87355220 |
| <i>e</i> | 0.1278144 | <i>i</i> 2.64912 | -0.07736083 | -0.38253972 |
| <i>P</i> | 5.51 | <i>H</i> 13.5 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 710324 675 | 0.2+ | 0.0 | 710402 675 | 0.4- | 2.2+ | 930318 809 | 0.8- | 0.7+ |
| 710326 675 | 0.3+ | 0.8- | 710416 675 | 0.8- | 1.1+ | 930323 809 | 0.6+ | 0.1+ |
| 710326 675 | 0.4+ | 1.1- | 710416 675 | 0.0 | 0.5- | 930416 413 | 0.5+ | 0.2- |
| 710327 675 | 0.0 | 1.7- | 930317 809 | 0.0 | 0.2+ | | | |

1042 T-2 = 1982 VN₄ = 1993 FD₅₀

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 313.00037 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.22858223 | ω 140.30323 | +0.99656399 | +0.08058426 |
| <i>a</i> | 2.6491573 | Ω 215.08871 | -0.08190382 | +0.92438755 |
| <i>e</i> | 0.1182203 | <i>i</i> 1.90822 | -0.01232815 | +0.37284559 |
| <i>P</i> | 4.31 | <i>H</i> 14.0 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 730919 675 | 0.8- | 0.3- | 730929 675 | 0.8+ | 0.1- | 821114 381 | 0.4+ | 0.5- |
| 730919 675 | 0.1- | 0.5- | 730930 675 | 0.3- | 0.0 | 821114 381 | 0.4- | 0.2+ |
| 730920 675 | 0.8- | 1.8- | 730930 675 | 0.7- | 1.1+ | 930319 809 | 0.5+ | 0.1+ |
| 730924 675 | 0.6+ | 0.7+ | 731004 675 | 0.5+ | 1.7- | 930320 809 | 0.2- | 0.1- |
| 730924 675 | 1.2+ | 0.4- | 731004 675 | 1.3+ | 2.0- | 930324 809 | 0.0 | 0.3- |
| 730925 675 | 2.2- | 1.0+ | 731005 675 | 0.8+ | 0.7+ | 930417 691 | 0.3- | 0.8- |
| 730929 675 | 1.0+ | 0.0 | 731005 675 | 0.9- | 2.1+ | 930417 691 | 0.8- | 0.7- |

1153 T-2 = 1976 GG = 1993 FG₄₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Williams

| | | | | |
|----------|------------|--------------------|---------------|-------------|
| <i>M</i> | 118.04877 | (2000.0) | P | Q |
| <i>n</i> | 0.17652891 | ω 352.37461 | -0.92704940 | -0.37489966 |
| <i>a</i> | 3.1472083 | Ω 165.60363 | +0.34514570 | -0.85896758 |
| <i>e</i> | 0.1181313 | <i>i</i> 1.25497 | +0.14647134 | -0.34874768 |
| <i>P</i> | 5.58 | <i>H</i> 12.5 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 730919 675 | 1.3- | 0.4+ | 730929 675 | 0.0 | 0.2+ | 760401 095 | 0.2- | 0.5- |
| 730919 675 | 0.5- | 0.7- | 730930 675 | 0.5+ | 0.8+ | 930319 809 | 0.5- | 0.5- |
| 730920 675 | 0.2- | 0.8+ | 730930 675 | 0.7- | 1.4+ | 930320 809 | 0.1+ | 0.9- |
| 730924 675 | 0.7- | 0.4- | 731004 675 | 0.5+ | 1.2- | 930324 809 | 0.6+ | 0.8- |
| 730924 675 | 0.3- | 0.8- | 731004 675 | 1.4+ | 0.3- | 930421 413 | 0.9- | 0.5+ |
| 730925 675 | 0.2- | 0.8- | 731005 675 | 1.3+ | 0.1- | | | |
| 730929 675 | 0.5+ | 1.3- | 731005 675 | 0.8+ | 0.2- | | | |

3146 T-2 = 1993 FE₁₀

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Williams

| | | | | |
|----------|------------|--------------------|---------------|-------------|
| <i>M</i> | 267.70770 | (2000.0) | P | Q |
| <i>n</i> | 0.27694101 | ω 311.41106 | +0.53207499 | -0.84439622 |
| <i>a</i> | 2.3310121 | Ω 106.34011 | +0.79493348 | +0.47282327 |
| <i>e</i> | 0.0671402 | <i>i</i> 3.72716 | +0.29150810 | +0.25185944 |
| <i>P</i> | 3.56 | <i>H</i> 15.0 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 730919 675 | 0.5- | 1.4- | 730925 675 | (2.9+ | 2.1-) | 731004 675 | 0.6- | 1.0- |
| 730919 675 | 0.4- | 0.9+ | 730929 675 | 0.9+ | 1.5+ | 731005 675 | 0.9+ | 2.2+ |
| 730920 675 | 0.2+ | 0.4+ | 730929 675 | 0.4- | 0.3- | 731005 675 | 0.1- | 2.4- |
| 730924 675 | 0.4+ | 0.2+ | 730930 675 | 0.8- | 1.2- | 930317 809 | 0.6- | 0.5+ |
| 730924 675 | 0.7+ | 0.4- | 730930 675 | 0.3- | 0.4+ | 930318 809 | 0.6+ | 0.1- |
| 730925 675 | (3.7+ | 0.5+) | 731004 675 | 0.2+ | 1.1+ | 930323 809 | 0.1- | 0.3- |

3155 T-2 = 1993 FR₈

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Williams

| | | | | |
|----------|------------|--------------------|---------------|-------------|
| <i>M</i> | 142.58788 | (2000.0) | P | Q |
| <i>n</i> | 0.17508905 | ω 345.30986 | -0.57107626 | -0.81768086 |
| <i>a</i> | 3.1644389 | Ω 139.44353 | +0.76397257 | -0.56175035 |
| <i>e</i> | 0.1038710 | <i>i</i> 6.41041 | +0.30036281 | -0.12583539 |
| <i>P</i> | 5.63 | <i>H</i> 12.5 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 730919 675 | 0.9- | 0.8+ | 730929 675 | 0.5- | 0.5+ | 731005 675 | 0.2+ | 1.0+ |
| 730919 675 | 0.8+ | 0.9+ | 730929 675 | 0.9+ | 0.7+ | 930317 809 | 1.2- | 0.5- |
| 730920 675 | 1.0+ | 0.3+ | 730930 675 | 0.3+ | 0.8- | 930318 809 | 0.1- | 0.1- |
| 730924 675 | 1.0- | 0.9- | 730930 675 | 0.7+ | 1.3- | 930323 809 | 0.0 | 0.7+ |
| 730924 675 | 1.4- | 0.4- | 731004 675 | 1.9- | 0.9+ | 930416 413 | 1.3+ | 0.1- |
| 730925 675 | 1.6+ | 1.2- | 731004 675 | 1.7- | 1.6+ | | | |
| 730925 675 | 1.5+ | 1.3- | 731005 675 | 0.4+ | 0.8- | | | |

2134 T-3 = 1993 FO₂₆

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Williams

| | | | | |
|----------|------------|--------------------|---------------|-------------|
| <i>M</i> | 190.87968 | (2000.0) | P | Q |
| <i>n</i> | 0.21417325 | ω 110.21889 | -0.00774321 | -0.99907990 |
| <i>a</i> | 2.7666820 | Ω 340.08380 | +0.86501670 | +0.01447147 |
| <i>e</i> | 0.1950015 | <i>i</i> 7.11332 | +0.50168331 | -0.04037237 |
| <i>P</i> | 4.60 | <i>H</i> 13.5 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------|-------|------------|------|------|
| 771007 675 | 0.3+ | 1.5- | 771016 675 | 0.4+ | 1.6- | 771022 675 | 1.0- | 2.1+ |
| 771011 675 | 1.2- | 0.0 | 771017 675 | 0.4- | 0.5- | 930321 809 | 0.7- | 0.7- |
| 771011 675 | 0.1+ | 1.5+ | 771017 675 | 0.7- | 0.4- | 930322 809 | 0.9+ | 0.4- |
| 771012 675 | 0.4- | 0.6+ | 771021 675 | 2.1+ | 1.1- | 930326 809 | 0.3+ | 0.6+ |
| 771012 675 | 0.0 | 0.2+ | 771021 675 | (3.4+ | 0.3+) | 930418 413 | 0.6- | 0.3+ |
| 771016 675 | 0.3+ | 1.4- | 771022 675 | 0.5+ | 1.9+ | | | |

4304 T-3 = 1993 FT₂₀

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 Williams

| | | | | |
|----------|------------|--------------------|---------------|-------------|
| <i>M</i> | 168.51589 | (2000.0) | P | Q |
| <i>n</i> | 0.22074095 | ω 19.09461 | -0.73280050 | -0.67693741 |
| <i>a</i> | 2.7115281 | Ω 118.10155 | +0.61367680 | -0.70128842 |
| <i>e</i> | 0.0277598 | <i>i</i> 4.48547 | +0.29394594 | -0.22349564 |
| <i>P</i> | 4.46 | <i>H</i> 14.0 | <i>G</i> 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 771011 675 | 2.3+ | 1.0- | 771017 675 | 2.0- | 0.3- | 930323 809 | 0.6+ | 1.3+ |
| 771011 675 | 2.3+ | 0.3- | 771021 675 | 1.2- | 0.4+ | 930326 691 | 0.6- | 0.4+ |
| 771012 675 | 0.1- | 0.4+ | 771021 675 | 0.2- | 0.4- | 930326 691 | 1.2- | 0.4- |
| 771012 675 | 0.3- | 1.0- | 771022 675 | 0.3+ | 1.6- | 930326 691 | 0.8- | 0.1+ |
| 771016 675 | 0.9- | 0.3+ | 771022 675 | 0.4+ | 2.1+ | 930416 413 | 2.0+ | 0.2- |
| 771016 675 | 0.7- | 0.9+ | 930319 809 | 0.8- | 0.9- | | | |
| 771017 675 | 0.0 | 0.4+ | 930320 809 | 0.8+ | 0.4- | | | |

| Object | <i>H</i> | Epoch | <i>M</i> | ω | Ω | <i>i</i> | <i>e</i> | <i>a</i> | Obs. | Opp. | Arc | rms | Computer | <i>MPC</i> | Object |
|----------------------|----------|--------|-----------|-----------|-----------|----------|-----------|-----------|------|------|-----------|------|----------|------------|----------------------|
| 1934 GA | 11.0 | 940905 | 14.47894 | 77.15758 | 68.71021 | 24.59173 | 0.2134447 | 2.6578757 | 26 | 3 | 1934-1994 | 0.77 | Williams | 23245 | 1934 GA |
| 1934 RB | 13.0 | 940905 | 336.29506 | 129.43124 | 163.66727 | 5.98926 | 0.1859614 | 2.2447950 | 15 | 5 | 1934-1994 | 1.24 | Williams | 21559 | 1934 RB |
| 1942 RJ | 13.0 | 940905 | 274.62133 | 58.45373 | 285.30848 | 5.84443 | 0.2297393 | 2.2169014 | 14 | 4 | 1942-1994 | 0.68 | Williams | 21963 | 1942 RJ |
| 1948 AA | 14.0 | 940905 | 35.38760 | 292.14232 | 273.59093 | 24.61032 | 0.1647455 | 2.3024692 | 12 | 4 | 1948-1994 | 1.04 | Williams | 22072 | 1948 AA |
| 1948 AF | 14.5 | 940905 | 48.43045 | 85.60004 | 111.16437 | 26.22047 | 0.0828602 | 1.8655766 | 24 | 4 | 1948-1994 | 0.84 | Williams | 23346 | 1948 AF |
| 1968 QE | 14.0 | 940905 | 12.35141 | 68.95820 | 267.86198 | 1.57641 | 0.2158345 | 2.3912885 | 10 | 4 | 1968-1993 | 1.15 | Williams | 22072 | 1968 QE |
| 1972 HL | 12.5 | 940905 | 9.76448 | 57.36482 | 213.62549 | 16.73128 | 0.2518867 | 3.0980821 | 21 | 4 | 1972-1994 | 0.90 | Williams | 22072 | 1972 HL |
| 1972 RU ₃ | 14.1 | 940905 | 266.42961 | 301.82034 | 42.47475 | 4.78162 | 0.1453607 | 2.2054565 | 18 | 4 | 1971-1994 | 1.05 | Bowell | 21963 | 1972 RU ₃ |
| 1973 SQ ₃ | 14.0 | 940905 | 302.76603 | 163.24461 | 189.55718 | 6.22937 | 0.1548710 | 2.3479769 | 26 | 3 | 1973-1993 | 0.75 | Bowell | 21963 | 1973 SQ ₃ |
| 1973 UC | 14.0 | 940905 | 284.59968 | 350.47091 | 23.86968 | 7.62736 | 0.2797021 | 2.6797008 | 20 | 5 | 1971-1993 | 1.19 | Williams | 22072 | 1973 UC |
| 1974 OE | 14.0 | 940905 | 260.16515 | 277.67436 | 16.05568 | 7.14070 | 0.1178466 | 2.3113447 | 23 | 5 | 1974-1994 | 0.83 | Williams | 23245 | 1974 OE |
| 1975 VK ₂ | 12.5 | 940905 | 241.67592 | 277.81908 | 84.45595 | 2.93818 | 0.1004329 | 3.0045012 | 38 | 4 | 1975-1994 | 0.65 | Williams | 21963 | 1975 VK ₂ |

| | | | | | | | | | | | | | | | |
|-----------------------|------|--------|-----------|-----------|-----------|----------|-----------|-----------|----|---|-----------|------|----------|-------|-----------------------|
| 1976 QP | 15.0 | 940905 | 326.87872 | 84.00082 | 225.27942 | 1.64929 | 0.2158555 | 2.3946162 | 27 | 5 | 1950-1994 | 0.70 | Williams | 21964 | 1976 QP |
| 1976 UG ₂ | 13.8 | 940905 | 278.87002 | 23.44067 | 326.76553 | 2.21962 | 0.1999679 | 2.4377110 | 13 | 3 | 1953-1991 | 0.67 | Bowell | 20008 | 1976 UG ₂ |
| 1976 UG ₁₅ | 14.5 | 940905 | 317.97677 | 228.37432 | 137.91358 | 2.85457 | 0.2221586 | 2.3862173 | 22 | 3 | 1976-1993 | 0.84 | Williams | 22072 | 1976 UG ₁₅ |
| 1977 EO | 13.5 | 940905 | 26.54491 | 224.29115 | 344.69021 | 7.02700 | 0.0953165 | 2.2433774 | 10 | 5 | 1970-1994 | 1.11 | Williams | 22429 | 1977 EO |
| 1977 EX | 12.6 | 940905 | 13.22125 | 229.89344 | 305.02712 | 12.10828 | 0.1049337 | 2.6532833 | 17 | 4 | 1977-1994 | 0.56 | Bowell | 23120 | 1977 EX |
| 1977 EK ₁ | 14.3 | 940905 | 359.94408 | 5.38663 | 193.67812 | 5.19948 | 0.1526187 | 2.2933067 | 23 | 4 | 1977-1992 | 0.61 | Bowell | 21559 | 1977 EK ₁ |
| 1977 QF ₁ | 12.5 | 940905 | 336.32499 | 344.80788 | 355.79489 | 13.36147 | 0.1774742 | 2.6627735 | 26 | 3 | 1977-1993 | 0.75 | Williams | 22073 | 1977 QF ₁ |
| 1978 EU ₉ | 12.0 | 940905 | 57.00254 | 78.03997 | 157.22395 | 2.43491 | 0.0050575 | 2.9037785 | 10 | 3 | 1978-1993 | 0.64 | Williams | 22050 | 1978 EU ₉ |
| 1978 NY ₇ | 12.5 | 940905 | 285.04797 | 217.09269 | 96.37307 | 2.73433 | 0.1918257 | 3.1993951 | 40 | 6 | 1978-1994 | 0.75 | Bowell | 22073 | 1978 NY ₇ |
| 1978 PD ₃ | 14.0 | 940905 | 126.72732 | 44.83123 | 327.28456 | 6.20805 | 0.1207155 | 2.3568511 | 19 | 4 | 1955-1993 | 0.72 | Bowell | 22967 | 1978 PD ₃ |
| 1978 QG ₂ | 14.0 | 940905 | 335.73457 | 91.96658 | 189.35691 | 3.72306 | 0.1744449 | 2.2325185 | 37 | 3 | 1978-1994 | 0.84 | Williams | 22429 | 1978 QG ₂ |
| 1978 RG ₁ | 13.0 | 940905 | 282.23388 | 201.07956 | 145.85156 | 1.76232 | 0.2402183 | 3.2281208 | 9 | 3 | 1977-1994 | 0.43 | Williams | 22270 | 1978 RG ₁ |
| 1978 SS ₅ | 14.0 | 940905 | 315.64971 | 166.93919 | 193.53031 | 2.75902 | 0.1589734 | 2.5826599 | 15 | 4 | 1978-1993 | 1.38 | Williams | 22073 | 1978 SS ₅ |
| 1978 UV | 12.5 | 940905 | 219.48939 | 7.97416 | 46.43865 | 6.27583 | 0.2655055 | 2.6666327 | 19 | 4 | 1978-1993 | 1.02 | Williams | 22270 | 1978 UV |
| 1978 VP ₂ | 14.0 | 940905 | 61.15838 | 219.93575 | 283.91956 | 1.89618 | 0.1820407 | 2.3604762 | 36 | 3 | 1978-1994 | 0.67 | Williams | 23347 | 1978 VP ₂ |
| 1979 HE ₃ | 14.0 | 940905 | 49.14090 | 135.17221 | 58.10706 | 3.22555 | 0.1364153 | 2.4128069 | 25 | 6 | 1949-1994 | 0.90 | Williams | 22270 | 1979 HE ₃ |
| 1979 MY ₂ | 14.5 | 940905 | 29.73639 | 325.97463 | 238.97273 | 4.53850 | 0.1390081 | 2.4824027 | 22 | 4 | 1979-1994 | 0.86 | Williams | 22270 | 1979 MY ₂ |
| 1979 MZ ₂ | 14.0 | 940905 | 82.37254 | 329.48219 | 154.75170 | 2.28443 | 0.0823594 | 2.5343470 | 24 | 5 | 1954-1994 | 0.79 | Williams | 23347 | 1979 MZ ₂ |
| 1979 MM ₅ | 14.0 | 940905 | 296.24887 | 126.65521 | 251.89705 | 1.56503 | 0.1896276 | 2.4322052 | 25 | 4 | 1979-1993 | 0.95 | Williams | 22270 | 1979 MM ₅ |
| 1979 SP ₁₄ | 12.3 | 940905 | 194.76330 | 270.52360 | 109.98388 | 2.69545 | 0.1069157 | 3.2230223 | 25 | 6 | 1954-1994 | 0.72 | Bowell | 23132 | 1979 SP ₁₄ |
| 1979 TA | 13.5 | 940905 | 337.85133 | 51.90422 | 302.64114 | 2.35778 | 0.2171934 | 2.4353991 | 17 | 4 | 1979-1993 | 1.06 | Williams | 22073 | 1979 TA |
| 1979 TS ₂ | 13.3 | 940905 | 133.71077 | 230.83212 | 190.47163 | 4.62073 | 0.1142379 | 2.6555733 | 15 | 5 | 1949-1994 | 0.59 | Bowell | 23347 | 1979 TS ₂ |
| 1980 DD ₁ | 13.0 | 940905 | 345.69183 | 208.94764 | 30.68240 | 9.63961 | 0.1027979 | 2.7813355 | 38 | 4 | 1952-1994 | 0.85 | Williams | 23347 | 1980 DD ₁ |
| 1980 RB ₈ | 14.1 | 940905 | 54.16454 | 16.61540 | 241.23777 | 5.27258 | 0.0740008 | 2.3484214 | 18 | 3 | 1980-1993 | 0.73 | Bowell | 21966 | 1980 RB ₈ |
| 1980 TT ₃ | 14.0 | 940905 | 279.57947 | 37.82108 | 1.44871 | 7.10067 | 0.1199724 | 2.3592258 | 18 | 4 | 1953-1993 | 0.70 | Williams | 22492 | 1980 TT ₃ |
| 1980 UL | 13.4 | 940905 | 283.06676 | 208.74525 | 151.13822 | 23.04836 | 0.2065603 | 2.3844436 | 13 | 3 | 1980-1993 | 0.52 | Bowell | 19015 | 1980 UL |
| 1981 DZ | 13.6 | 940905 | 10.80442 | 318.58434 | 241.61578 | 8.95677 | 0.0885340 | 2.6790321 | 30 | 6 | 1977-1994 | 0.77 | Bowell | 22270 | 1981 DZ |
| 1981 ET ₈ | 14.6 | 940905 | 198.27925 | 352.96173 | 213.58094 | 3.87850 | 0.0622429 | 2.3989439 | 25 | 4 | 1955-1992 | 0.86 | Bowell | 22967 | 1981 ET ₈ |
| 1981 EG ₁₁ | 16.3 | 940905 | 139.34584 | 270.86917 | 211.75769 | 5.80288 | 0.2364851 | 2.5609727 | 32 | 3 | 1955-1989 | 0.92 | Bowell | 22074 | 1981 EG ₁₁ |
| 1981 EZ ₁₈ | 13.5 | 940905 | 223.09011 | 49.77325 | 284.20098 | 1.62717 | 0.0472137 | 2.6893629 | 31 | 4 | 1977-1994 | 0.83 | Williams | 19858 | 1981 EZ ₁₈ |
| 1981 EL ₂₁ | 13.5 | 940905 | 201.55129 | 130.33613 | 211.29049 | 2.10475 | 0.0959414 | 2.7157807 | 22 | 5 | 1978-1994 | 0.91 | Williams | 20810 | 1981 EL ₂₁ |
| 1981 ED ₂₂ | 15.5 | 940905 | 33.90891 | 41.83466 | 174.84141 | 2.32940 | 0.0691331 | 2.6116370 | 20 | 3 | 1981-1994 | 0.88 | Williams | 22429 | 1981 ED ₂₂ |
| 1981 EF ₂₇ | 16.0 | 940905 | 19.39020 | 50.58725 | 186.37959 | 3.97874 | 0.1144659 | 2.6158811 | 17 | 3 | 1977-1994 | 0.94 | Williams | 11046 | 1981 EF ₂₇ |
| 1981 ES ₂₉ | 13.0 | 940905 | 280.25284 | 338.87425 | 209.43969 | 8.30205 | 0.2068318 | 2.8609310 | 19 | 3 | 1955-1991 | 0.81 | Bowell | 22074 | 1981 ES ₂₉ |
| 1981 EV ₂₉ | 15.5 | 940905 | 0.23930 | 35.96485 | 210.37698 | 12.66109 | 0.1500524 | 2.6322151 | 18 | 3 | 1977-1994 | 0.99 | Williams | 11046 | 1981 EV ₂₉ |
| 1981 EE ₃₅ | 14.0 | 940905 | 4.09160 | 170.07047 | 165.71645 | 7.32675 | 0.1918064 | 2.4880954 | 15 | 3 | 1978-1993 | 1.02 | Williams | 22697 | 1981 EE ₃₅ |
| 1981 ER ₄₇ | 13.5 | 940905 | 288.91193 | 344.05575 | 36.20454 | 2.48140 | 0.1747797 | 2.5146854 | 15 | 3 | 1951-1993 | 0.89 | Williams | 22588 | 1981 ER ₄₇ |
| 1981 FL | 14.5 | 940905 | 253.51468 | 357.28891 | 184.20600 | 7.89534 | 0.1865786 | 2.3700658 | 19 | 6 | 1953-1993 | 0.87 | Bowell | 22697 | 1981 FL |
| 1981 JB ₃ | 14.5 | 940905 | 20.17928 | 187.84862 | 54.35792 | 5.15698 | 0.1149826 | 2.1978486 | 20 | 5 | 1968-1994 | 0.90 | Williams | 22271 | 1981 JB ₃ |
| 1981 QE | 14.2 | 940905 | 152.34990 | 164.49093 | 206.82565 | 1.08040 | 0.2186811 | 2.4165975 | 25 | 3 | 1981-1994 | 0.84 | Bowell | 23132 | 1981 QE |
| 1981 SO | 13.5 | 940905 | 272.34768 | 357.28183 | 350.78236 | 6.01083 | 0.1188865 | 2.2998476 | 23 | 3 | 1981-1994 | 0.65 | Williams | 22074 | 1981 SO |
| 1981 SQ ₂ | 13.4 | 940905 | 278.71978 | 321.79486 | 20.93990 | 3.99630 | 0.1600900 | 2.2764644 | 20 | 7 | 1964-1994 | 0.70 | Nakano | 21968 | 1981 SQ ₂ |
| 1981 SA ₅ | 12.5 | 940905 | 262.53329 | 144.54952 | 195.63246 | 1.47793 | 0.0855761 | 2.8629935 | 21 | 8 | 1952-1994 | 1.05 | Williams | 22823 | 1981 SA ₅ |
| 1981 SZ ₇ | 12.0 | 940905 | 286.08496 | 301.74953 | 32.22914 | 13.59351 | 0.2256095 | 2.8555893 | 14 | 5 | 1950-1994 | 0.74 | Williams | 22483 | 1981 SZ ₇ |
| 1982 BS ₁ | 13.5 | 940905 | 140.26821 | 294.97114 | 151.38663 | 7.05867 | 0.1517234 | 2.4519237 | 16 | 5 | 1982-1994 | 0.92 | Williams | 23347 | 1982 BS ₁ |
| 1982 QG | 13.5 | 940905 | 287.73316 | 23.60929 | 301.12588 | 2.26887 | 0.1986364 | 2.6618100 | 22 | 4 | 1969-1994 | 0.90 | Williams | 21968 | 1982 QG |
| 1982 RK | 13.5 | 940905 | 193.54238 | 290.03198 | 108.41294 | 4.86233 | 0.1403857 | 2.2132020 | 31 | 3 | 1982-1994 | 0.89 | Nakano | 23245 | 1982 RK |
| 1982 RO ₁ | 14.0 | 940905 | 151.72849 | 151.89421 | 238.27287 | 2.78570 | 0.1520057 | 2.2751669 | 26 | 4 | 1982-1994 | 0.97 | Williams | 23245 | 1982 RO ₁ |
| 1982 SX ₅ | 12.0 | 940905 | 311.49757 | 351.08481 | 317.56822 | 2.17499 | 0.1958559 | 2.6563513 | 17 | 5 | 1950-1994 | 0.95 | Williams | 22824 | 1982 SX ₅ |
| 1982 SL ₆ | 13.0 | 940905 | 248.18032 | 337.93418 | 8.76028 | 5.37040 | 0.0753338 | 2.7420707 | 21 | 3 | 1982-1994 | 0.76 | Williams | 21968 | 1982 SL ₆ |
| 1982 TQ ₂ | 14.4 | 940905 | 284.04935 | 21.08345 | 320.82224 | 4.88895 | 0.1493842 | 2.1846525 | 11 | 5 | 1955-1990 | 0.71 | Bowell | 21968 | 1982 TQ ₂ |
| 1982 UD ₂ | 12.5 | 940905 | 156.87803 | 327.11065 | 43.00904 | 2.60592 | 0.1337479 | 2.9239094 | 53 | 5 | 1982-1994 | 1.00 | Williams | 23347 | 1982 UD ₂ |

| | | | | | | | | | | | | | | | |
|-----------------------|------|--------|-----------|-----------|-----------|----------|-----------|-----------|----|---|-----------|------|----------|-------|-----------------------|
| 1982 VB ₁ | 14.2 | 940905 | 139.47715 | 144.39400 | 222.65567 | 5.74039 | 0.1389608 | 2.3430734 | 13 | 3 | 1953-1989 | 0.92 | Bowell | 22075 | 1982 VB ₁ |
| 1983 BH | 13.0 | 940905 | 89.82488 | 203.43376 | 276.09236 | 6.87232 | 0.2042526 | 2.3410173 | 24 | 4 | 1983-1994 | 0.80 | Williams | 22075 | 1983 BH |
| 1983 CQ ₃ | 12.3 | 940905 | 251.31164 | 102.59356 | 288.80565 | 6.39388 | 0.2354097 | 2.7939644 | 22 | 5 | 1953-1992 | 0.63 | Bowell | 19673 | 1983 CQ ₃ |
| 1983 JQ | 12.5 | 940905 | 326.03205 | 156.19099 | 116.98831 | 2.79549 | 0.1675145 | 3.2086726 | 31 | 7 | 1951-1994 | 0.87 | Williams | 22599 | 1983 JQ |
| 1983 LL | 14.0 | 940905 | 64.44143 | 12.14371 | 276.15836 | 4.99557 | 0.1231410 | 2.2936282 | 15 | 5 | 1970-1993 | 1.09 | Williams | 22271 | 1983 LL |
| 1983 PY | 13.7 | 940905 | 339.26229 | 131.28515 | 188.42280 | 7.52559 | 0.2643533 | 2.4189107 | 23 | 6 | 1971-1993 | 0.79 | Bowell | 21969 | 1983 PY |
| 1983 RB ₂ | 13.5 | 940905 | 335.09244 | 178.79381 | 175.53421 | 13.40867 | 0.1197612 | 2.4081143 | 7 | 3 | 1983-1993 | 1.05 | Williams | 19294 | 1983 RB ₂ |
| 1984 CF | 12.5 | 940905 | 94.78525 | 53.24647 | 93.56374 | 10.15441 | 0.0999742 | 2.7864607 | 15 | 4 | 1954-1994 | 0.78 | Williams | 22809 | 1984 CF |
| 1984 HS ₁ | 14.0 | 940905 | 338.53088 | 67.16013 | 219.94025 | 1.54807 | 0.1280473 | 2.2302214 | 32 | 5 | 1978-1994 | 0.83 | Williams | 22430 | 1984 HS ₁ |
| 1984 SR | 14.0 | 940905 | 234.19301 | 60.21974 | 0.85782 | 22.37220 | 0.3588174 | 2.3704985 | 18 | 4 | 1971-1993 | 0.96 | Williams | 22076 | 1984 SR |
| 1984 SQ ₂ | 14.0 | 940905 | 336.23795 | 342.09504 | 32.44665 | 5.66063 | 0.1778997 | 2.2403631 | 12 | 4 | 1927-1993 | 1.03 | Williams | 20012 | 1984 SQ ₂ |
| 1985 GK | 13.0 | 940905 | 88.64752 | 318.37023 | 203.51902 | 12.44759 | 0.1136212 | 2.6792669 | 15 | 3 | 1985-1994 | 0.81 | Williams | 21104 | 1985 GK |
| 1985 JW ₁ | 11.0 | 940905 | 204.12951 | 189.18539 | 64.64115 | 15.75011 | 0.1468005 | 3.1995263 | 16 | 6 | 1939-1993 | 0.79 | Bowell | 22968 | 1985 JW ₁ |
| 1985 RJ ₄ | 13.5 | 940905 | 239.27960 | 309.02752 | 34.21222 | 2.26589 | 0.2094131 | 3.1189282 | 42 | 4 | 1974-1994 | 0.71 | Williams | 22077 | 1985 RJ ₄ |
| 1985 SJ ₃ | 13.8 | 940905 | 335.13136 | 286.80690 | 333.21508 | 5.95762 | 0.1463872 | 2.2438835 | 14 | 5 | 1977-1994 | 0.60 | Bowell | 23348 | 1985 SJ ₃ |
| 1985 UH ₃ | 13.0 | 940905 | 151.12314 | 191.41574 | 147.54435 | 3.07174 | 0.2242863 | 2.4344183 | 19 | 6 | 1954-1993 | 0.72 | Bowell | 23348 | 1985 UH ₃ |
| 1985 VE | 13.5 | 940905 | 88.34798 | 341.35780 | 164.66489 | 4.83190 | 0.1020429 | 2.3267097 | 14 | 4 | 1985-1994 | 0.98 | Williams | 19019 | 1985 VE |
| 1986 CD ₂ | 14.5 | 940905 | 221.59554 | 105.52761 | 3.84511 | 5.89819 | 0.1184847 | 2.2612728 | 36 | 4 | 1954-1993 | 0.66 | Williams | 22810 | 1986 CD ₂ |
| 1986 EN | 13.5 | 940905 | 56.59817 | 49.63869 | 155.66527 | 23.33754 | 0.2144674 | 2.4283353 | 22 | 3 | 1986-1994 | 0.88 | Williams | 23348 | 1986 EN |
| 1986 PF | 12.5 | 940905 | 329.57346 | 67.96979 | 245.79644 | 5.53633 | 0.0518260 | 2.6397780 | 12 | 3 | 1978-1993 | 0.82 | Bowell | 21935 | 1986 PF |
| 1986 QS ₃ | 12.9 | 940905 | 238.95258 | 150.47494 | 141.15455 | 11.24033 | 0.0699486 | 3.0068283 | 44 | 4 | 1986-1994 | 0.61 | Bowell | 21970 | 1986 QS ₃ |
| 1986 QX ₃ | 13.5 | 940905 | 65.09210 | 163.26908 | 115.79705 | 3.56751 | 0.1561347 | 2.4769411 | 54 | 4 | 1977-1993 | 0.74 | Williams | 22272 | 1986 QX ₃ |
| 1986 RK ₁ | 12.5 | 940905 | 228.15246 | 225.90549 | 165.33945 | 4.58270 | 0.1203843 | 2.7653083 | 21 | 5 | 1977-1994 | 0.94 | Williams | 22077 | 1986 RK ₁ |
| 1986 RX ₂ | 13.0 | 940905 | 159.14729 | 15.73940 | 344.15604 | 1.60736 | 0.2004067 | 3.1287199 | 16 | 5 | 1964-1994 | 0.66 | Williams | 23132 | 1986 RX ₂ |
| 1986 TR ₄ | 13.0 | 940905 | 289.77049 | 109.48459 | 272.17335 | 4.05448 | 0.1878021 | 2.6534196 | 15 | 4 | 1943-1993 | 0.57 | Williams | 22078 | 1986 TR ₄ |
| 1986 TU ₆ | 12.0 | 940905 | 299.41890 | 357.82369 | 286.52217 | 8.95857 | 0.0757346 | 3.0049401 | 30 | 6 | 1978-1994 | 0.52 | Williams | 22078 | 1986 TU ₆ |
| 1986 TB ₁₂ | 13.0 | 940905 | 239.38975 | 87.84165 | 329.92083 | 4.21390 | 0.1607156 | 2.7570232 | 17 | 5 | 1986-1993 | 1.12 | Williams | 22078 | 1986 TB ₁₂ |
| 1986 UV | 12.5 | 940905 | 252.76098 | 60.11271 | 345.27936 | 4.50196 | 0.0591388 | 2.7495909 | 27 | 5 | 1981-1993 | 0.90 | Williams | 21970 | 1986 UV |
| 1986 XF ₁ | 13.9 | 940905 | 72.87466 | 94.05673 | 287.60022 | 2.54355 | 0.1952810 | 2.3731439 | 25 | 6 | 1955-1993 | 0.79 | Bowell | 22698 | 1986 XF ₁ |
| 1987 BC ₂ | 14.0 | 940905 | 141.29529 | 119.70057 | 274.44485 | 3.85948 | 0.1978950 | 2.2797579 | 40 | 4 | 1965-1994 | 1.01 | Williams | 23246 | 1987 BC ₂ |
| 1987 DF | 12.5 | 940905 | 321.89283 | 88.57778 | 160.10648 | 23.02788 | 0.2236435 | 2.3586009 | 86 | 4 | 1987-1994 | 0.70 | Williams | 23348 | 1987 DF |
| 1987 HA | 14.5 | 940905 | 80.19541 | 71.12548 | 71.45571 | 23.19231 | 0.3053062 | 2.2802754 | 19 | 4 | 1987-1994 | 0.62 | Williams | 23348 | 1987 HA |
| 1987 KB | 12.5 | 940905 | 318.58454 | 66.17708 | 243.74104 | 10.71670 | 0.2672671 | 2.3720546 | 54 | 7 | 1962-1994 | 0.90 | Williams | 22969 | 1987 KB |
| 1987 QT ₁ | 14.3 | 940905 | 30.88894 | 298.32837 | 331.04026 | 5.47531 | 0.2242911 | 2.3065421 | 31 | 3 | 1955-1990 | 0.96 | Bowell | 20500 | 1987 QT ₁ |
| 1987 QZ ₁ | 13.8 | 940905 | 252.79527 | 79.41781 | 319.12495 | 5.45551 | 0.1528838 | 2.4296253 | 33 | 4 | 1953-1991 | 0.79 | Bowell | 22824 | 1987 QZ ₁ |
| 1987 RO ₃ | 14.5 | 940905 | 264.87134 | 133.96562 | 214.67368 | 4.93671 | 0.2474260 | 2.5435389 | 30 | 6 | 1950-1994 | 0.88 | Williams | 22969 | 1987 RO ₃ |
| 1987 RV ₃ | 14.5 | 940905 | 39.11201 | 105.73753 | 219.51660 | 3.63874 | 0.1846155 | 2.2672565 | 8 | 3 | 1980-1993 | 0.77 | Williams | 18288 | 1987 RV ₃ |
| 1987 SL ₁ | 13.5 | 940905 | 258.04804 | 53.29130 | 359.24790 | 2.48074 | 0.1667266 | 2.4401774 | 33 | 4 | 1976-1993 | 0.92 | Williams | 22272 | 1987 SL ₁ |
| 1987 SJ ₃ | 13.6 | 940905 | 187.10482 | 331.81671 | 15.14793 | 24.60279 | 0.0977282 | 1.9859388 | 26 | 4 | 1955-1994 | 0.64 | Bowell | 22698 | 1987 SJ ₃ |
| 1987 SN ₃ | 14.0 | 940905 | 355.97415 | 145.23860 | 201.83659 | 6.63960 | 0.1375620 | 2.3070738 | 52 | 3 | 1987-1993 | 0.85 | Williams | 22078 | 1987 SN ₃ |
| 1987 SH ₄ | 13.3 | 940905 | 260.80499 | 313.51419 | 18.25643 | 13.89435 | 0.1955852 | 2.5993793 | 19 | 2 | 1987-1994 | 0.70 | Nakano | 23336 | 1987 SH ₄ |
| 1988 BP ₃ | 12.5 | 940905 | 26.93524 | 127.83918 | 161.50034 | 7.75882 | 0.1322491 | 2.6989386 | 30 | 3 | 1988-1993 | 0.75 | Williams | 22079 | 1988 BP ₃ |
| 1988 CJ | 12.5 | 940905 | 82.32164 | 312.29757 | 267.29623 | 3.13289 | 0.0430797 | 2.7580055 | 22 | 4 | 1986-1993 | 0.95 | Williams | 22272 | 1988 CJ |
| 1988 CP ₂ | 12.5 | 940905 | 307.52327 | 176.36664 | 129.85179 | 2.99904 | 0.0521430 | 2.8562799 | 36 | 5 | 1976-1994 | 0.95 | Williams | 22079 | 1988 CP ₂ |
| 1988 PX ₁ | 13.0 | 940905 | 247.55982 | 177.84127 | 159.80621 | 7.05886 | 0.1303023 | 2.3487389 | 27 | 3 | 1988-1994 | 0.77 | Williams | 23348 | 1988 PX ₁ |
| 1988 RD | 12.5 | 940905 | 209.47192 | 23.41347 | 5.88429 | 24.26295 | 0.2295429 | 2.3874067 | 20 | 5 | 1988-1994 | 0.82 | Williams | 22079 | 1988 RD |
| 1988 RF ₉ | 15.2 | 940905 | 351.65381 | 148.12179 | 97.81972 | 2.52033 | 0.1669500 | 2.2505615 | 26 | 5 | 1950-1994 | 0.90 | Bowell | 22825 | 1988 RF ₉ |
| 1988 SP | 14.0 | 940905 | 180.61049 | 333.58186 | 79.55527 | 1.71128 | 0.2125335 | 2.3792651 | 46 | 4 | 1981-1994 | 0.76 | Williams | 22431 | 1988 SP |
| 1988 TD | 13.6 | 940905 | 212.64563 | 68.40869 | 283.62739 | 1.48683 | 0.1994017 | 2.4446514 | 31 | 5 | 1954-1994 | 0.81 | Bowell | 23348 | 1988 TD |
| 1988 TN | 13.0 | 940905 | 192.52191 | 17.28414 | 12.85518 | 5.29542 | 0.0600401 | 2.4320456 | 38 | 3 | 1988-1994 | 0.93 | Williams | 23348 | 1988 TN |
| 1988 VP | 12.5 | 940905 | 170.22708 | 344.92087 | 54.53268 | 14.40543 | 0.0660180 | 2.5383932 | 47 | 5 | 1984-1994 | 0.72 | Williams | 23348 | 1988 VP |
| 1988 VO ₁ | 13.0 | 940905 | 314.16438 | 71.35651 | 226.37264 | 5.71006 | 0.1201399 | 2.3449630 | 44 | 5 | 1980-1994 | 0.85 | Williams | 22080 | 1988 VO ₁ |

| | | | | | | | | | | | | | | | |
|----------------------|------|--------|-----------|-----------|-----------|----------|-----------|-----------|----|---|-----------|------|----------|-------|----------------------|
| 1988 VJ ₂ | 14.5 | 940905 | 162.62991 | 196.45973 | 212.41344 | 5.29129 | 0.3315888 | 2.5315804 | 28 | 3 | 1988-1994 | 0.95 | Williams | 22080 | 1988 VJ ₂ |
| 1988 VN ₃ | 14.5 | 940905 | 219.92787 | 215.08231 | 227.35501 | 4.86482 | 0.1290297 | 2.2856768 | 17 | 3 | 1988-1993 | 0.86 | Bowell | 22080 | 1988 VN ₃ |
| 1988 VH ₅ | 13.5 | 940905 | 193.59112 | 84.15042 | 60.66763 | 0.97328 | 0.0902548 | 2.1934974 | 12 | 2 | 1988-1993 | 0.82 | Williams | 22226 | 1988 VH ₅ |
| 1988 XP | 13.5 | 940905 | 213.86411 | 253.84184 | 136.28150 | 8.55611 | 0.2074145 | 2.4440598 | 26 | 5 | 1953-1994 | 0.73 | Williams | 22493 | 1988 XP |
| 1988 XT | 14.0 | 940905 | 206.08924 | 241.37395 | 250.40910 | 0.85676 | 0.0956934 | 2.2531387 | 42 | 4 | 1981-1993 | 0.91 | Williams | 22272 | 1988 XT |
| 1988 XD ₁ | 14.0 | 940905 | 266.24337 | 10.96402 | 55.33589 | 4.21208 | 0.1631324 | 2.2268458 | 15 | 6 | 1958-1993 | 0.67 | Williams | 21972 | 1988 XD ₁ |
| 1989 AG | 12.7 | 940905 | 92.66190 | 37.98730 | 95.11156 | 12.81779 | 0.1393386 | 2.6683730 | 36 | 4 | 1979-1994 | 0.99 | Nakano | 23348 | 1989 AG |
| 1989 AD ₃ | 12.5 | 940905 | 132.81442 | 88.89154 | 315.13077 | 1.16376 | 0.0541245 | 2.8627152 | 34 | 4 | 1977-1994 | 0.93 | Williams | 23123 | 1989 AD ₃ |
| 1989 BC | 12.0 | 940905 | 26.42075 | 99.19302 | 99.82750 | 13.13359 | 0.1348788 | 2.7573119 | 29 | 4 | 1985-1994 | 0.94 | Williams | 23246 | 1989 BC |
| 1989 BV ₁ | 13.5 | 940905 | 159.72300 | 181.52520 | 336.93365 | 1.91729 | 0.1374719 | 2.4119420 | 23 | 2 | 1989-1993 | 0.93 | Williams | 22431 | 1989 BV ₁ |
| 1989 CD | 13.5 | 940905 | 238.42315 | 343.25918 | 99.04553 | 1.82817 | 0.1622214 | 2.3478620 | 20 | 3 | 1989-1993 | 1.07 | Williams | 22080 | 1989 CD |
| 1989 CS ₂ | 14.0 | 940905 | 96.34662 | 50.01646 | 198.51610 | 6.54490 | 0.0647695 | 2.3392952 | 16 | 3 | 1987-1993 | 0.93 | Williams | 22699 | 1989 CS ₂ |
| 1989 CH ₄ | 13.5 | 940905 | 130.03090 | 231.30443 | 328.44447 | 2.05468 | 0.1522935 | 2.4162424 | 38 | 2 | 1989-1993 | 0.68 | Williams | 22401 | 1989 CH ₄ |
| 1989 EC | 12.5 | 940905 | 135.85744 | 98.11692 | 341.07414 | 22.66833 | 0.0736310 | 1.8708414 | 27 | 3 | 1989-1994 | 1.01 | Williams | 23348 | 1989 EC |
| 1989 EQ | 12.1 | 940905 | 79.19989 | 119.67521 | 314.59338 | 8.23925 | 0.1898617 | 3.0513833 | 28 | 6 | 1974-1994 | 0.76 | Bowell | 23348 | 1989 EQ |
| 1989 EY ₂ | 13.5 | 940905 | 37.28786 | 68.13897 | 245.60760 | 5.94428 | 0.1345591 | 2.3044931 | 20 | 5 | 1973-1993 | 0.98 | Williams | 22080 | 1989 EY ₂ |
| 1989 GB ₃ | 13.0 | 940905 | 72.83438 | 257.17690 | 5.86950 | 5.65175 | 0.1986076 | 2.5706108 | 23 | 4 | 1980-1993 | 0.89 | Williams | 22080 | 1989 GB ₃ |
| 1989 GB ₄ | 12.3 | 940905 | 254.54991 | 7.98391 | 339.83290 | 1.42122 | 0.0775991 | 2.8396066 | 31 | 6 | 1972-1994 | 0.66 | Nakano | 22081 | 1989 GB ₄ |
| 1989 GF ₄ | 12.5 | 940905 | 333.50031 | 81.30932 | 218.37322 | 6.58746 | 0.2202645 | 2.8016249 | 23 | 4 | 1981-1994 | 0.64 | Williams | 20636 | 1989 GF ₄ |
| 1989 GD ₅ | 12.5 | 940905 | 21.91178 | 272.22028 | 34.46526 | 14.85316 | 0.1255631 | 2.5874903 | 21 | 4 | 1982-1993 | 0.92 | Williams | 22227 | 1989 GD ₅ |
| 1989 RS | 11.0 | 940905 | 280.64016 | 168.76602 | 186.51716 | 13.15340 | 0.0656367 | 3.4072730 | 25 | 5 | 1983-1993 | 0.99 | Williams | 17824 | 1989 RS |
| 1989 RO ₂ | 12.6 | 940905 | 95.48126 | 44.96912 | 354.92005 | 23.15927 | 0.2963073 | 2.4292270 | 22 | 3 | 1989-1994 | 0.67 | Bowell | 22969 | 1989 RO ₂ |
| 1989 SF | 14.0 | 940905 | 161.74021 | 92.53932 | 325.90620 | 3.75237 | 0.0878975 | 2.1590608 | 57 | 3 | 1989-1994 | 0.92 | Williams | 23349 | 1989 SF |
| 1989 SO ₈ | 12.0 | 940905 | 12.89883 | 211.06693 | 69.87118 | 2.54428 | 0.1414978 | 3.1573281 | 22 | 4 | 1977-1993 | 0.79 | Williams | 20505 | 1989 SO ₈ |
| 1989 TO | 12.5 | 940905 | 100.52657 | 98.37392 | 340.88016 | 21.79219 | 0.2983451 | 2.3342902 | 29 | 2 | 1989-1994 | 0.74 | Williams | 23349 | 1989 TO |
| 1989 UU ₁ | 13.0 | 940905 | 118.23938 | 182.20825 | 280.48060 | 6.67769 | 0.0953646 | 2.2200014 | 28 | 5 | 1931-1994 | 0.92 | Williams | 21973 | 1989 UU ₁ |
| 1989 UA ₃ | 15.5 | 940905 | 171.89829 | 193.18598 | 190.92644 | 2.47445 | 0.1658679 | 2.2485734 | 23 | 3 | 1989-1994 | 0.88 | Williams | 23349 | 1989 UA ₃ |
| 1989 UX ₅ | 11.0 | 940905 | 104.92695 | 3.02847 | 77.13432 | 4.26703 | 0.0285626 | 5.0827157 | 23 | 5 | 1954-1994 | 0.71 | Williams | 23246 | 1989 UX ₅ |
| 1989 YL ₅ | 14.5 | 940905 | 88.61121 | 142.46842 | 312.45246 | 1.86195 | 0.1526957 | 2.4154826 | 29 | 2 | 1989-1994 | 1.02 | Williams | 23237 | 1989 YL ₅ |
| 1989 YS ₆ | 13.5 | 940905 | 202.80058 | 285.99561 | 103.59359 | 4.98476 | 0.1327151 | 2.2008452 | 22 | 4 | 1969-1994 | 0.78 | Williams | 21973 | 1989 YS ₆ |
| 1990 BF | 13.5 | 940905 | 103.33648 | 156.45504 | 324.41963 | 4.46757 | 0.1027008 | 2.3377702 | 21 | 5 | 1958-1994 | 0.73 | Williams | 22082 | 1990 BF |
| 1990 BV | 13.0 | 940905 | 144.16534 | 315.86312 | 99.79038 | 10.54066 | 0.2239481 | 2.3675131 | 20 | 4 | 1979-1994 | 0.76 | Williams | 21973 | 1990 BV |
| 1990 EO ₄ | 13.6 | 940905 | 202.20545 | 181.85036 | 182.21030 | 5.32550 | 0.1529173 | 2.5473953 | 21 | 4 | 1988-1994 | 0.75 | Bowell | 22082 | 1990 EO ₄ |
| 1990 FQ ₁ | 12.0 | 940905 | 345.95613 | 78.48730 | 213.44187 | 22.68793 | 0.1501120 | 2.4384406 | 26 | 5 | 1957-1994 | 1.01 | Williams | 21974 | 1990 FQ ₁ |
| 1990 FT ₁ | 12.5 | 940905 | 155.47502 | 302.15200 | 97.82627 | 13.60074 | 0.1925388 | 2.5764567 | 18 | 4 | 1955-1992 | 0.72 | Bowell | 21974 | 1990 FT ₁ |
| 1990 GS | 14.5 | 940905 | 271.35464 | 307.78703 | 359.39831 | 11.42952 | 0.0635003 | 2.5353854 | 14 | 3 | 1974-1994 | 0.72 | Williams | 22699 | 1990 GS |
| 1990 KG | 12.5 | 940905 | 8.76138 | 107.25122 | 114.34024 | 16.41814 | 0.2070199 | 2.6487549 | 22 | 3 | 1985-1994 | 0.81 | Williams | 23349 | 1990 KG |
| 1990 MN | 13.7 | 940905 | 21.03034 | 200.42387 | 132.55048 | 9.49966 | 0.2497677 | 2.3687679 | 20 | 5 | 1950-1993 | 0.78 | Bowell | 22431 | 1990 MN |
| 1990 OB | 11.5 | 940905 | 255.27672 | 192.62962 | 198.94555 | 17.38257 | 0.2789449 | 2.8434918 | 29 | 4 | 1952-1993 | 1.13 | Williams | 22082 | 1990 OB |
| 1990 OE | 12.4 | 940905 | 317.67315 | 138.02303 | 229.06528 | 12.75002 | 0.1791310 | 2.5728806 | 25 | 5 | 1953-1992 | 0.66 | Bowell | 22082 | 1990 OE |
| 1990 OS ₁ | 14.0 | 940905 | 115.85117 | 226.01687 | 3.72625 | 9.68130 | 0.1872742 | 2.3608297 | 22 | 3 | 1953-1993 | 0.65 | Williams | 22486 | 1990 OS ₁ |
| 1990 OK ₂ | 12.5 | 940905 | 275.14173 | 294.01368 | 81.96128 | 4.87756 | 0.1864230 | 2.7807419 | 14 | 3 | 1981-1993 | 0.60 | Williams | 18633 | 1990 OK ₂ |
| 1990 QG | 13.5 | 940905 | 253.18213 | 52.83017 | 327.61700 | 5.84367 | 0.3749080 | 3.0273895 | 34 | 4 | 1974-1993 | 0.81 | Williams | 21974 | 1990 QG |
| 1990 QM | 13.5 | 940905 | 58.52788 | 125.35548 | 160.59099 | 2.83296 | 0.1797803 | 2.4276174 | 24 | 3 | 1979-1993 | 0.91 | Williams | 23133 | 1990 QM |
| 1990 QP ₁ | 13.5 | 940905 | 62.98559 | 323.32441 | 324.75977 | 2.30546 | 0.1830360 | 2.4229465 | 19 | 3 | 1983-1993 | 0.93 | Williams | 21974 | 1990 QP ₁ |
| 1990 QS ₁ | 13.5 | 940905 | 110.09367 | 203.16669 | 2.27016 | 3.46340 | 0.0063536 | 2.6695021 | 43 | 4 | 1977-1993 | 0.82 | Williams | 22228 | 1990 QS ₁ |
| 1990 QY ₃ | 13.4 | 940905 | 64.30928 | 296.44802 | 338.82793 | 2.96713 | 0.1617845 | 2.4665700 | 44 | 4 | 1986-1993 | 0.98 | Nakano | 22272 | 1990 QY ₃ |
| 1990 RC ₃ | 13.0 | 940905 | 59.87780 | 67.30205 | 217.51083 | 2.58171 | 0.1786694 | 2.4742985 | 19 | 4 | 1978-1993 | 0.88 | Williams | 22273 | 1990 RC ₃ |
| 1990 RE ₇ | 13.0 | 940905 | 208.86530 | 66.88812 | 358.77772 | 10.50184 | 0.1068716 | 2.9848000 | 21 | 3 | 1982-1993 | 0.75 | Williams | 22494 | 1990 RE ₇ |
| 1990 SK ₄ | 13.0 | 940905 | 338.50165 | 251.41635 | 62.95822 | 18.28306 | 0.3398684 | 2.6360408 | 16 | 4 | 1977-1994 | 0.77 | Williams | 21974 | 1990 SK ₄ |
| 1990 SP ₇ | 12.6 | 940905 | 106.18187 | 135.48763 | 60.54262 | 3.27835 | 0.0828166 | 2.7891708 | 29 | 4 | 1979-1993 | 0.76 | Nakano | 22273 | 1990 SP ₇ |
| 1990 SM ₉ | 12.5 | 940905 | 251.12754 | 294.02366 | 108.35464 | 3.16677 | 0.0757287 | 2.8913199 | 23 | 5 | 1985-1993 | 0.82 | Williams | 22431 | 1990 SM ₉ |

| | | | | | | | | | | | | | | | |
|-----------------------|------|--------|-----------|-----------|-----------|----------|-----------|-----------|----|---|-----------|------|----------|-------|-----------------------|
| 1990 SQ ₁₆ | 13.4 | 940905 | 16.05352 | 300.20546 | 95.95736 | 5.21931 | 0.1295950 | 2.2570970 | 25 | 9 | 1933-1993 | 0.96 | Bowell | 22494 | 1990 SQ ₁₆ |
| 1990 UF | 12.4 | 940905 | 308.41389 | 108.13864 | 209.23862 | 4.99896 | 0.1712110 | 3.0997393 | 16 | 5 | 1977-1993 | 0.88 | Bowell | 22082 | 1990 UF |
| 1991 AC ₃ | 14.0 | 940905 | 191.22380 | 119.59982 | 136.08048 | 4.52058 | 0.1569358 | 2.6452860 | 23 | 2 | 1991-1993 | 1.16 | Williams | 23238 | 1991 AC ₃ |
| 1991 BD | 13.4 | 940905 | 64.14373 | 121.71544 | 282.98273 | 5.79469 | 0.0940833 | 2.3582552 | 27 | 4 | 1953-1993 | 0.66 | Bowell | 22826 | 1991 BD |
| 1991 CZ | 13.5 | 940905 | 17.13227 | 129.04736 | 154.17315 | 23.19629 | 0.0137750 | 1.8335215 | 43 | 3 | 1991-1994 | 0.84 | Williams | 21109 | 1991 CZ |
| 1991 GN | 12.5 | 940905 | 280.10845 | 168.41264 | 207.98795 | 22.89727 | 0.0897750 | 1.9317996 | 16 | 3 | 1991-1994 | 0.68 | Williams | 21975 | 1991 GN |
| 1991 GU ₉ | 13.0 | 940905 | 170.34864 | 262.08834 | 96.27150 | 11.81206 | 0.0936939 | 2.4895617 | 24 | 4 | 1986-1994 | 0.61 | Williams | 23349 | 1991 GU ₉ |
| 1991 JP | 13.5 | 940905 | 303.73709 | 57.40822 | 210.26032 | 9.71215 | 0.2415551 | 2.3492015 | 15 | 3 | 1991-1994 | 1.01 | Williams | 23338 | 1991 JP |
| 1991 JB ₁ | 12.0 | 940905 | 207.99891 | 147.58674 | 80.40290 | 5.05405 | 0.1208562 | 3.1922764 | 29 | 6 | 1934-1993 | 1.08 | Williams | 23247 | 1991 JB ₁ |
| 1991 KA | 14.0 | 940905 | 354.26983 | 133.00145 | 106.73262 | 4.65943 | 0.1016276 | 2.2386377 | 20 | 4 | 1984-1994 | 0.90 | Williams | 18640 | 1991 KA |
| 1991 NP | 12.0 | 940905 | 332.17501 | 349.84505 | 285.28343 | 23.24137 | 0.1145301 | 2.3559078 | 26 | 4 | 1986-1994 | 0.97 | Williams | 22083 | 1991 NP |
| 1991 NE ₁ | 12.3 | 940905 | 141.07480 | 74.06426 | 305.26147 | 8.51330 | 0.0591846 | 3.1723507 | 24 | 5 | 1953-1994 | 0.71 | Bowell | 22231 | 1991 NE ₁ |
| 1991 OZ | 13.5 | 940905 | 22.83289 | 330.34284 | 254.98562 | 4.20850 | 0.1500311 | 2.3725138 | 22 | 5 | 1976-1994 | 0.90 | Williams | 22273 | 1991 OZ |
| 1991 PE | 12.5 | 940905 | 206.99368 | 195.45115 | 121.72748 | 2.74849 | 0.2662602 | 3.0733595 | 30 | 3 | 1986-1994 | 0.84 | Bowell | 22970 | 1991 PE |
| 1991 PO ₂ | 13.5 | 940905 | 92.74252 | 348.81734 | 80.05398 | 2.17893 | 0.1167864 | 3.1532062 | 23 | 5 | 1981-1994 | 0.82 | Williams | 23134 | 1991 PO ₂ |
| 1991 PE ₅ | 12.5 | 940905 | 20.89905 | 276.91920 | 245.45519 | 1.21732 | 0.0065485 | 2.8763172 | 33 | 4 | 1980-1994 | 1.09 | Williams | 22083 | 1991 PE ₅ |
| 1991 PJ ₇ | 15.2 | 940905 | 290.38428 | 24.23513 | 338.04876 | 5.49288 | 0.1721207 | 2.2877937 | 20 | 3 | 1953-1991 | 0.85 | Bowell | 22826 | 1991 PJ ₇ |
| 1991 PO ₁₀ | 13.0 | 940905 | 312.41138 | 129.74395 | 199.84010 | 6.41454 | 0.1453599 | 2.3508778 | 32 | 7 | 1955-1994 | 0.69 | Williams | 21976 | 1991 PO ₁₀ |
| 1991 PR ₁₀ | 13.5 | 940905 | 336.02426 | 90.21631 | 190.43418 | 7.29828 | 0.1412352 | 2.4382570 | 37 | 5 | 1971-1994 | 0.75 | Williams | 22084 | 1991 PR ₁₀ |
| 1991 PA ₁₁ | 13.4 | 940905 | 300.92247 | 163.41105 | 189.57354 | 5.88328 | 0.2134106 | 2.3328390 | 26 | 4 | 1959-1993 | 0.79 | Bowell | 21976 | 1991 PA ₁₁ |
| 1991 PY ₁₁ | 13.0 | 940905 | 34.54537 | 24.85050 | 214.99194 | 4.69913 | 0.1361136 | 2.2987104 | 16 | 5 | 1953-1994 | 0.98 | Williams | 22600 | 1991 PY ₁₁ |
| 1991 PZ ₁₁ | 13.0 | 940905 | 349.55963 | 284.48149 | 305.21919 | 11.58936 | 0.1300184 | 2.6498829 | 13 | 3 | 1991-1994 | 0.59 | Williams | 23349 | 1991 PZ ₁₁ |
| 1991 PH ₁₅ | 14.0 | 940905 | 346.05417 | 99.30299 | 176.17303 | 0.68391 | 0.1846358 | 2.3532268 | 25 | 4 | 1984-1994 | 0.89 | Williams | 20024 | 1991 PH ₁₅ |
| 1991 RC ₄ | 14.0 | 940905 | 247.65986 | 212.35835 | 229.41233 | 2.79472 | 0.1024236 | 2.2682046 | 24 | 3 | 1981-1993 | 0.73 | Williams | 22084 | 1991 RC ₄ |
| 1991 RK ₅ | 12.0 | 940905 | 227.70769 | 319.83951 | 13.37361 | 10.87057 | 0.1204717 | 3.0301331 | 21 | 3 | 1933-1994 | 1.19 | Williams | 23339 | 1991 RK ₅ |
| 1991 RP ₁₁ | 14.8 | 940905 | 281.51370 | 208.04021 | 118.42864 | 1.41283 | 0.1533517 | 2.4402184 | 28 | 5 | 1953-1994 | 0.89 | Bowell | 22494 | 1991 RP ₁₁ |
| 1991 RD ₂₄ | 13.5 | 940905 | 357.64222 | 138.10447 | 121.44783 | 5.61008 | 0.1060380 | 2.4191271 | 14 | 5 | 1979-1994 | 0.83 | Williams | 22052 | 1991 RD ₂₄ |
| 1991 SF ₁ | 13.5 | 940905 | 342.50480 | 93.26217 | 204.38619 | 11.09861 | 0.2066384 | 2.3414582 | 33 | 3 | 1990-1994 | 0.86 | Williams | 22084 | 1991 SF ₁ |
| 1991 TE ₂ | 13.5 | 940905 | 275.86898 | 308.43584 | 101.26762 | 3.09971 | 0.1409805 | 2.2966567 | 18 | 3 | 1989-1993 | 0.92 | Williams | 22084 | 1991 TE ₂ |
| 1991 TO ₁₃ | 13.5 | 940905 | 18.57790 | 105.97170 | 220.99611 | 6.86770 | 0.1287357 | 2.2860328 | 9 | 3 | 1987-1993 | 0.70 | Williams | 22234 | 1991 TO ₁₃ |
| 1991 UV | 13.3 | 940905 | 11.28975 | 86.66654 | 218.88551 | 1.88097 | 0.1607796 | 2.2752724 | 18 | 4 | 1953-1991 | 0.81 | Bowell | 19511 | 1991 UV |
| 1991 UK ₂ | 13.0 | 940905 | 285.69052 | 205.00199 | 205.18096 | 6.13071 | 0.0936880 | 2.3071190 | 26 | 4 | 1942-1993 | 0.73 | Williams | 22084 | 1991 UK ₂ |
| 1991 UB ₃ | 14.5 | 940905 | 297.67753 | 334.57911 | 60.24118 | 4.93551 | 0.1968593 | 2.2931083 | 27 | 3 | 1953-1993 | 0.69 | Williams | 22955 | 1991 UB ₃ |
| 1991 UW ₃ | 13.5 | 940905 | 330.48973 | 56.38130 | 313.81800 | 4.97419 | 0.2351471 | 2.2257750 | 17 | 4 | 1979-1993 | 1.06 | Williams | 19515 | 1991 UW ₃ |
| 1991 VV ₃ | 14.0 | 940905 | 288.02745 | 347.46877 | 49.63049 | 3.25073 | 0.2115399 | 2.3818696 | 19 | 4 | 1954-1993 | 1.02 | Williams | 22487 | 1991 VV ₃ |
| 1991 VC ₄ | 12.5 | 940905 | 244.45753 | 195.10766 | 222.23071 | 11.09729 | 0.1919047 | 2.4506561 | 13 | 3 | 1980-1993 | 0.91 | Williams | 22273 | 1991 VC ₄ |
| 1991 VK ₄ | 13.0 | 940905 | 322.09929 | 69.00692 | 304.18085 | 3.40098 | 0.1343807 | 2.3293961 | 20 | 3 | 1987-1993 | 0.81 | Williams | 20029 | 1991 VK ₄ |
| 1991 WC | 13.0 | 940905 | 316.43371 | 277.56540 | 87.18888 | 3.70261 | 0.2423576 | 2.3755762 | 30 | 6 | 1903-1993 | 1.11 | Williams | 22084 | 1991 WC |
| 1991 XO ₁ | 13.0 | 940905 | 319.41507 | 292.64350 | 84.14491 | 3.13332 | 0.2094681 | 2.3876177 | 16 | 4 | 1950-1993 | 0.85 | Williams | 22494 | 1991 XO ₁ |
| 1992 CQ ₂ | 12.0 | 940905 | 320.20661 | 172.15997 | 157.76325 | 10.22924 | 0.0845728 | 3.0698582 | 22 | 3 | 1990-1993 | 0.86 | Williams | 22085 | 1992 CQ ₂ |
| 1992 CF ₃ | 14.5 | 940905 | 174.13237 | 62.82627 | 180.88920 | 5.52192 | 0.1583503 | 2.2558758 | 29 | 3 | 1973-1992 | 0.92 | Williams | 23339 | 1992 CF ₃ |
| 1992 HY ₄ | 13.7 | 940905 | 43.71230 | 134.63981 | 285.56146 | 3.93771 | 0.1375907 | 2.2326447 | 22 | 7 | 1953-1993 | 0.53 | Bowell | 23339 | 1992 HY ₄ |
| 1992 LJ | 13.8 | 940905 | 205.37160 | 100.60328 | 145.15687 | 4.11480 | 0.1438083 | 2.4815671 | 21 | 4 | 1976-1993 | 0.76 | Bowell | 23124 | 1992 LJ |
| 1992 RT | 13.2 | 940905 | 125.68511 | 255.90516 | 126.68410 | 2.93706 | 0.0742348 | 2.8801577 | 26 | 5 | 1954-1994 | 0.64 | Bowell | 23350 | 1992 RT |
| 1992 RO ₅ | 14.5 | 940905 | 132.66863 | 342.95166 | 86.76902 | 3.52229 | 0.1769824 | 2.4120525 | 22 | 4 | 1981-1994 | 1.08 | Williams | 22594 | 1992 RO ₅ |
| 1992 SG ₁ | 13.5 | 940905 | 160.68612 | 218.11626 | 162.62786 | 14.74377 | 0.1742576 | 2.5629352 | 16 | 3 | 1990-1994 | 0.52 | Williams | 23247 | 1992 SG ₁ |
| 1992 SQ ₂ | 12.5 | 940905 | 194.78609 | 142.02368 | 228.86778 | 3.24909 | 0.1036973 | 2.4860578 | 31 | 3 | 1990-1994 | 0.81 | Williams | 23340 | 1992 SQ ₂ |
| 1992 SW ₃ | 15.5 | 940905 | 140.46681 | 12.86474 | 44.51800 | 1.90882 | 0.1695817 | 2.3910539 | 26 | 3 | 1989-1994 | 0.46 | Williams | 23340 | 1992 SW ₃ |
| 1992 SW ₁₀ | 13.0 | 940905 | 104.44997 | 67.16782 | 20.54728 | 10.27548 | 0.1906947 | 2.6388156 | 17 | 5 | 1974-1994 | 0.59 | Williams | 23247 | 1992 SW ₁₀ |
| 1992 TY | 13.5 | 940905 | 266.70024 | 166.45863 | 133.90454 | 5.11854 | 0.1797678 | 2.2156180 | 25 | 5 | 1962-1994 | 0.76 | Williams | 22971 | 1992 TY |
| 1992 UG | 13.0 | 940905 | 167.45043 | 302.12113 | 83.42322 | 6.51700 | 0.2817868 | 2.5985193 | 30 | 4 | 1952-1994 | 0.69 | Williams | 22495 | 1992 UG |
| 1992 UB ₂ | 13.5 | 940905 | 215.78497 | 204.48143 | 156.75546 | 3.93942 | 0.1691681 | 2.2778116 | 25 | 4 | 1977-1994 | 0.88 | Williams | 23350 | 1992 UB ₂ |

| | | | | | | | | | | | | | | | |
|-----------------------|------|--------|-----------|-----------|-----------|----------|-----------|-----------|-----|---|-----------|------|----------|-------|-----------------------|
| 1992 UU ₂ | 13.6 | 940905 | 187.67606 | 324.29744 | 73.94005 | 6.30295 | 0.1847518 | 2.2655706 | 17 | 3 | 1975-1994 | 0.54 | Nakano | 22971 | 1992 UU ₂ |
| 1992 UA ₃ | 13.5 | 940905 | 160.44557 | 351.51085 | 44.64205 | 3.94961 | 0.0993890 | 2.6577301 | 12 | 2 | 1992-1994 | 0.67 | Williams | 23340 | 1992 UA ₃ |
| 1992 UB ₄ | 13.7 | 940905 | 165.55715 | 3.04346 | 74.60825 | 4.62568 | 0.0562456 | 2.2366020 | 16 | 5 | 1978-1994 | 1.14 | Nakano | 21589 | 1992 UB ₄ |
| 1992 UQ ₄ | 12.9 | 940905 | 171.36813 | 292.25269 | 124.83140 | 7.08716 | 0.1458725 | 2.3587235 | 22 | 4 | 1952-1994 | 0.86 | Nakano | 22971 | 1992 UQ ₄ |
| 1992 UT ₄ | 12.5 | 940905 | 188.89166 | 355.57386 | 41.27819 | 9.17465 | 0.0863601 | 2.3864220 | 34 | 6 | 1933-1994 | 0.83 | Williams | 23350 | 1992 UT ₄ |
| 1992 WH ₁ | 12.5 | 940905 | 209.87417 | 238.15943 | 128.07906 | 6.92998 | 0.1580911 | 2.4070026 | 14 | 4 | 1958-1994 | 1.01 | Williams | 23240 | 1992 WH ₁ |
| 1992 WT ₂ | 12.9 | 940905 | 270.71338 | 216.77330 | 112.99907 | 4.61293 | 0.0754244 | 2.2912575 | 14 | 4 | 1977-1994 | 0.81 | Bowell | 23341 | 1992 WT ₂ |
| 1992 WX ₂ | 13.5 | 940905 | 90.05540 | 284.09762 | 205.65122 | 3.26366 | 0.1182850 | 2.6311575 | 25 | 5 | 1958-1994 | 0.92 | Williams | 22085 | 1992 WX ₂ |
| 1992 WR ₃ | 12.0 | 940905 | 101.41756 | 28.38302 | 92.64237 | 14.03238 | 0.1101375 | 2.6826039 | 35 | 2 | 1992-1994 | 0.74 | Williams | 23341 | 1992 WR ₃ |
| 1992 WU ₃ | 14.0 | 940905 | 190.31703 | 64.26082 | 335.03930 | 1.76847 | 0.2002136 | 2.4060018 | 22 | 4 | 1987-1994 | 0.85 | Williams | 22432 | 1992 WU ₃ |
| 1992 YL | 11.4 | 940905 | 177.77320 | 286.95455 | 79.20100 | 16.09495 | 0.1849015 | 3.1631299 | 13 | 4 | 1969-1994 | 1.09 | Nakano | 21599 | 1992 YL |
| 1992 YB ₁ | 12.2 | 940905 | 14.18309 | 228.52170 | 354.76853 | 1.60948 | 0.0285565 | 2.8622217 | 23 | 4 | 1940-1994 | 0.78 | Nakano | 21801 | 1992 YB ₁ |
| 1992 YA ₃ | 11.3 | 940905 | 140.17212 | 161.51563 | 280.63726 | 8.98420 | 0.0611367 | 3.0287115 | 46 | 9 | 1954-1994 | 0.76 | Nakano | 22085 | 1992 YA ₃ |
| 1993 CN | 12.0 | 940905 | 175.57776 | 339.39092 | 101.37938 | 11.42807 | 0.0683808 | 3.0068101 | 25 | 4 | 1952-1994 | 0.59 | Williams | 22274 | 1993 CN |
| 1993 ER | 13.0 | 940905 | 197.88480 | 66.95579 | 53.41542 | 0.81395 | 0.1256664 | 2.3274371 | 18 | 4 | 1977-1993 | 0.87 | Williams | 22274 | 1993 ER |
| 1993 ES | 12.5 | 940905 | 92.60436 | 224.06101 | 2.46326 | 11.49538 | 0.1920333 | 2.6702192 | 21 | 4 | 1977-1993 | 0.95 | Williams | 22274 | 1993 ES |
| 1993 FP | 13.0 | 940905 | 100.49743 | 43.92564 | 187.69284 | 2.93048 | 0.1347592 | 2.4600840 | 25 | 5 | 1947-1993 | 1.02 | Williams | 22239 | 1993 FP |
| 1993 FS | 20.0 | 940905 | 152.01724 | 20.80891 | 179.43932 | 10.13076 | 0.4248247 | 2.2266712 | 24 | 1 | 68 days | 0.57 | Williams | 22408 | 1993 FS |
| 1993 FD ₁ | 14.0 | 940905 | 207.93366 | 4.97213 | 99.36531 | 0.47835 | 0.1603176 | 2.3381043 | 15 | 5 | 1975-1993 | 0.90 | Williams | 22240 | 1993 FD ₁ |
| 1993 HC ₁ | 15.0 | 940905 | 157.84334 | 157.93231 | 20.19944 | 26.58449 | 0.1893261 | 2.2940430 | 16 | 4 | 1976-1993 | 0.64 | Williams | 22432 | 1993 HC ₁ |
| 1993 HQ ₁ | 15.5 | 940905 | 170.67098 | 198.89737 | 6.47245 | 19.11522 | 0.0700551 | 1.9766983 | 22 | 3 | 1977-1993 | 0.81 | Williams | 22600 | 1993 HQ ₁ |
| 1993 HL ₆ | 13.5 | 940905 | 148.09639 | 345.46098 | 215.86962 | 7.51390 | 0.1435195 | 2.1965671 | 21 | 4 | 1967-1993 | 1.16 | Williams | 22689 | 1993 HL ₆ |
| 1993 RD | 13.0 | 940905 | 143.08930 | 302.09116 | 339.34985 | 7.47129 | 0.1738804 | 2.5631937 | 18 | 4 | 1955-1993 | 1.30 | Bowell | 22691 | 1993 RD |
| 1993 UC | 15.5 | 940905 | 51.26142 | 322.95867 | 166.13327 | 25.98497 | 0.6625403 | 2.4387540 | 133 | 1 | 187 days | 0.65 | Williams | 23350 | 1993 UC |
| 1993 VA | 17.0 | 940905 | 157.12529 | 336.39588 | 133.27096 | 7.25604 | 0.3911893 | 1.3560071 | 39 | 3 | 1963-1994 | 0.81 | Bardwell | 23350 | 1993 VA |
| 1993 VB | 19.5 | 940905 | 89.97628 | 322.65351 | 145.93038 | 5.05760 | 0.5193178 | 1.9101405 | 43 | 1 | 134 days | 0.69 | Williams | 23350 | 1993 VB |
| 1993 VW | 16.5 | 940905 | 85.08221 | 280.90269 | 231.31705 | 8.68528 | 0.4843851 | 1.6950451 | 57 | 2 | 1982-1994 | 0.67 | Williams | 23248 | 1993 VW |
| 1994 AH ₁ | 13.6 | 940905 | 103.98669 | 171.07014 | 261.35729 | 3.70491 | 0.1031951 | 2.3613441 | 23 | 4 | 1978-1994 | 0.60 | Nakano | 23241 | 1994 AH ₁ |
| 1994 AX ₁ | 11.5 | 940905 | 289.44094 | 136.51848 | 106.41595 | 7.30088 | 0.0891235 | 3.1421489 | 19 | 6 | 1978-1994 | 1.02 | Williams | 23342 | 1994 AX ₁ |
| 1994 AF ₂ | 12.0 | 940905 | 135.39836 | 268.74347 | 108.20879 | 16.38597 | 0.0775145 | 3.1978010 | 16 | 3 | 1977-1994 | 0.72 | Williams | 23350 | 1994 AF ₂ |
| 1994 AK ₁₅ | 12.9 | 940905 | 116.84183 | 94.43312 | 314.43669 | 7.33893 | 0.1362750 | 2.5902633 | 19 | 3 | 1988-1994 | 0.69 | Bowell | 23243 | 1994 AK ₁₅ |
| 1994 BF | 14.0 | 940905 | 100.46252 | 298.89121 | 140.13872 | 7.85951 | 0.1904254 | 2.3238261 | 38 | 3 | 1975-1994 | 0.79 | Williams | 23350 | 1994 BF |
| 1994 BH | 13.5 | 940905 | 66.82826 | 347.81216 | 121.87442 | 7.17500 | 0.2276758 | 2.2629071 | 27 | 2 | 1977-1994 | 0.74 | Williams | 23350 | 1994 BH |
| 1994 CK | 12.0 | 940905 | 56.74008 | 8.33480 | 108.85652 | 11.63872 | 0.0506078 | 3.0074419 | 23 | 5 | 1952-1994 | 0.79 | Nakano | 23243 | 1994 CK |
| 1994 CO | 9.1 | 940905 | 255.39076 | 124.48704 | 130.30611 | 8.15885 | 0.0381814 | 5.1939791 | 14 | 2 | 1991-1994 | 0.48 | Bowell | 23343 | 1994 CO |
| 1994 CX ₁ | 11.5 | 940905 | 280.88487 | 334.29634 | 315.24173 | 14.43580 | 0.2281531 | 2.7401180 | 10 | 5 | 1950-1994 | 0.99 | Williams | 23244 | 1994 CX ₁ |
| 1994 CZ ₁ | 13.7 | 940905 | 39.81195 | 317.74261 | 212.64497 | 3.78613 | 0.1075377 | 2.2807220 | 22 | 6 | 1982-1994 | 1.08 | Nakano | 23244 | 1994 CZ ₁ |
| 1994 CB ₂ | 13.5 | 940905 | 28.70512 | 288.85469 | 256.77973 | 2.20082 | 0.0970129 | 2.2298313 | 14 | 4 | 1976-1994 | 0.98 | Nakano | 23244 | 1994 CB ₂ |
| 1994 CL ₂ | 13.9 | 940905 | 85.25551 | 336.24261 | 118.36585 | 4.29553 | 0.1596582 | 2.6185389 | 18 | 2 | 1992-1994 | 0.64 | Nakano | 23244 | 1994 CL ₂ |
| 1994 DS | 14.0 | 940905 | 126.14357 | 32.45224 | 52.36898 | 4.50833 | 0.1107527 | 2.2685618 | 15 | 3 | 1977-1994 | 0.64 | Williams | 23245 | 1994 DS |
| 1994 EH | 13.5 | 940905 | 327.59056 | 287.03419 | 352.23780 | 28.84671 | 0.3221250 | 2.6425830 | 31 | 2 | 1982-1994 | 0.48 | Williams | 23344 | 1994 EH |
| 1994 EC ₁ | 13.6 | 940905 | 87.11442 | 334.27869 | 153.63067 | 5.15545 | 0.0907886 | 2.2655516 | 21 | 4 | 1955-1994 | 0.79 | Bowell | 23344 | 1994 EC ₁ |
| 1994 EE ₁ | 13.5 | 940905 | 261.12058 | 271.30766 | 67.76307 | 4.59115 | 0.2187576 | 2.2671122 | 19 | 5 | 1954-1994 | 0.64 | Nakano | 23345 | 1994 EE ₁ |
| 1994 EM ₁ | 13.3 | 940905 | 356.75782 | 158.61808 | 79.58800 | 3.83476 | 0.1440833 | 2.4231946 | 20 | 5 | 1953-1994 | 1.12 | Nakano | 23345 | 1994 EM ₁ |
| 1994 EK ₂ | 13.2 | 940905 | 57.76304 | 356.02456 | 171.85062 | 5.61918 | 0.0757428 | 2.3574650 | 24 | 6 | 1936-1994 | 1.35 | Nakano | 23345 | 1994 EK ₂ |
| 1994 FN | 13.0 | 940905 | 46.86704 | 101.35293 | 56.41871 | 2.84476 | 0.0098871 | 2.8963817 | 25 | 3 | 1981-1994 | 0.49 | Williams | 23345 | 1994 FN |
| 2099 P-L | 14.0 | 940905 | 174.31204 | 332.66651 | 199.39027 | 5.77122 | 0.1154682 | 2.2703931 | 19 | 4 | 1953-1993 | 0.91 | Bowell | 22243 | 2099 P-L |
| 2113 P-L | 15.0 | 940905 | 275.31271 | 166.36807 | 222.50855 | 3.52463 | 0.0877216 | 2.6623479 | 19 | 3 | 1960-1993 | 0.94 | Williams | 22700 | 2113 P-L |
| 2561 P-L | 13.2 | 940905 | 40.97291 | 160.81490 | 24.12253 | 13.14834 | 0.0655649 | 2.7129940 | 13 | 3 | 1960-1994 | 0.66 | Bowell | 20829 | 2561 P-L |
| 2645 P-L | 14.0 | 940905 | 3.63013 | 123.93657 | 105.15559 | 2.19346 | 0.0723433 | 2.1681443 | 14 | 2 | 1960-1994 | 0.56 | Williams | 23245 | 2645 P-L |
| 3557 P-L | 14.2 | 940905 | 251.82567 | 149.36016 | 312.72085 | 4.65441 | 0.1093973 | 2.2709883 | 10 | 3 | 1953-1989 | 1.02 | Bowell | 14628 | 3557 P-L |
| 4004 P-L | 14.0 | 940905 | 4.27159 | 325.00121 | 342.37968 | 5.33298 | 0.0228113 | 2.6512965 | 29 | 4 | 1960-1993 | 0.67 | Williams | 22086 | 4004 P-L |

| | | | | | | | | | | | | | | | |
|----------|------|--------|-----------|-----------|-----------|----------|-----------|-----------|----|---|-----------|------|----------|-------|----------|
| 4015 P-L | 14.5 | 940905 | 29.02924 | 5.37302 | 312.78394 | 1.82482 | 0.1918606 | 2.4244641 | 23 | 3 | 1960–1993 | 0.72 | Williams | 21977 | 4015 P-L |
| 4019 P-L | 14.3 | 940905 | 63.39861 | 54.95462 | 262.38262 | 2.16951 | 0.1036866 | 2.4114742 | 20 | 4 | 1955–1993 | 0.57 | Bowell | 22827 | 4019 P-L |
| 4559 P-L | 14.0 | 940905 | 292.44683 | 182.82696 | 175.31718 | 0.57552 | 0.1556045 | 3.2471265 | 11 | 3 | 1960–1993 | 0.46 | Williams | 19875 | 4559 P-L |
| 4601 P-L | 13.5 | 940905 | 140.36620 | 11.12336 | 73.97178 | 2.96833 | 0.2239578 | 3.0064986 | 20 | 5 | 1960–1994 | 0.80 | Williams | 21978 | 4601 P-L |
| 6048 P-L | 13.0 | 940905 | 241.23779 | 87.78839 | 341.05292 | 4.68544 | 0.0932549 | 2.4538199 | 15 | 3 | 1960–1993 | 0.73 | Williams | 22087 | 6048 P-L |
| 6568 P-L | 14.0 | 940905 | 238.95845 | 82.07592 | 359.94439 | 4.23174 | 0.1221062 | 2.2803404 | 21 | 5 | 1953–1993 | 1.02 | Williams | 21978 | 6568 P-L |
| 9521 P-L | 14.0 | 940905 | 265.10056 | 298.15852 | 123.61185 | 1.96070 | 0.1262631 | 2.2766130 | 29 | 6 | 1953–1993 | 0.68 | Williams | 22495 | 9521 P-L |
| 9538 P-L | 14.5 | 940905 | 56.27842 | 130.75020 | 158.23930 | 1.56986 | 0.0355828 | 2.2627353 | 10 | 3 | 1960–1993 | 0.63 | Williams | 17976 | 9538 P-L |
| 9570 P-L | 14.0 | 940905 | 7.76838 | 209.36461 | 93.70741 | 3.79799 | 0.0577715 | 2.6470635 | 19 | 3 | 1960–1993 | 0.90 | Williams | 22701 | 9570 P-L |
| 1280 T-1 | 12.0 | 940905 | 328.60274 | 99.91242 | 189.39168 | 9.12573 | 0.0282266 | 3.1530515 | 18 | 3 | 1971–1993 | 0.84 | Bowell | 22701 | 1280 T-1 |
| 2218 T-1 | 14.0 | 940905 | 246.48357 | 280.79253 | 68.49541 | 3.42510 | 0.1377961 | 2.2107412 | 19 | 3 | 1971–1994 | 0.93 | Williams | 23350 | 2218 T-1 |
| 2258 T-1 | 12.5 | 940905 | 214.40675 | 331.80912 | 27.47067 | 8.22023 | 0.2438014 | 2.4600108 | 20 | 5 | 1956–1994 | 0.79 | Williams | 22827 | 2258 T-1 |
| 2259 T-1 | 13.5 | 940905 | 197.01741 | 306.02574 | 129.90880 | 4.19524 | 0.1158405 | 3.1006993 | 24 | 4 | 1971–1993 | 0.94 | Williams | 22087 | 2259 T-1 |
| 4298 T-1 | 15.0 | 940905 | 60.53155 | 155.14563 | 135.64838 | 3.22574 | 0.1633245 | 2.3750299 | 16 | 4 | 1971–1993 | 1.21 | Williams | 19327 | 4298 T-1 |
| 4393 T-1 | 13.5 | 940905 | 80.77728 | 105.45580 | 100.28351 | 2.43920 | 0.1258263 | 3.1162126 | 28 | 3 | 1971–1993 | 1.00 | Williams | 22087 | 4393 T-1 |
| 2155 T-2 | 14.5 | 940905 | 94.84887 | 72.57331 | 184.39259 | 4.06282 | 0.1123124 | 2.3026765 | 29 | 5 | 1952–1993 | 1.00 | Williams | 22828 | 2155 T-2 |
| 2319 T-2 | 14.7 | 940905 | 225.34759 | 109.28142 | 217.35178 | 2.26308 | 0.1332004 | 2.1731923 | 21 | 4 | 1973–1994 | 0.71 | Bowell | 23135 | 2319 T-2 |
| 3297 T-2 | 14.0 | 940905 | 15.36212 | 174.12139 | 40.49126 | 4.43234 | 0.1600061 | 2.3943941 | 29 | 4 | 1973–1994 | 0.72 | Williams | 22088 | 3297 T-2 |
| 4234 T-2 | 12.6 | 940905 | 308.22863 | 258.95224 | 29.99634 | 5.26290 | 0.1298552 | 3.1944429 | 30 | 5 | 1971–1994 | 0.83 | Bowell | 21978 | 4234 T-2 |
| 5069 T-2 | 14.0 | 940905 | 165.04820 | 162.95040 | 238.75395 | 7.26871 | 0.2201179 | 2.7808729 | 28 | 4 | 1973–1994 | 0.72 | Williams | 21953 | 5069 T-2 |
| 2390 T-3 | 14.0 | 940905 | 346.71325 | 223.86309 | 14.55793 | 7.61601 | 0.0702332 | 2.3876199 | 33 | 5 | 1972–1994 | 0.90 | Williams | 22088 | 2390 T-3 |
| 4019 T-3 | 13.5 | 940905 | 331.34705 | 176.98619 | 166.10083 | 4.84511 | 0.1116908 | 2.6848231 | 25 | 4 | 1971–1993 | 0.90 | Williams | 22274 | 4019 T-3 |
| 4092 T-3 | 13.1 | 940905 | 160.67426 | 354.49188 | 180.72086 | 13.17581 | 0.0978147 | 2.6726853 | 36 | 5 | 1977–1993 | 0.78 | Bowell | 22432 | 4092 T-3 |
| 4094 T-3 | 15.0 | 940905 | 116.46538 | 281.72635 | 60.70014 | 4.96125 | 0.0736703 | 2.5154703 | 37 | 3 | 1977–1993 | 1.12 | Williams | 23248 | 4094 T-3 |

NEW NAMES OF MINOR PLANETS

(3551) Verenia = 1983 RD

Discovered 1983 Sept. 12 by R. S. Dunbar at Palomar.

Named for the first vestal virgin consecrated by the legendary Roman king Numa Pompilius, builder of the temple of Vesta, in the eighth to seventh centuries B.C. This Apollo object is the first V-type (Vesta) asteroid known after (4) Vesta itself. It is under consideration for a flyby mission by the Clementine spacecraft in October 1995.

(3580) Avery = 1983 CS₂

Discovered 1983 Feb. 15 by N. G. Thomas at the Anderson Mesa Station of the Lowell Observatory.

Named for the discoverer's grandson Avery Jordan Thomas, who was born 1994 March 4.

(3584) Aisha = 1981 TW

Discovered 1981 Oct. 5 by N. G. Thomas at the Anderson Mesa Station of the Lowell Observatory.

Named for the discoverer's granddaughter Aisha Renee Thomas, who was born 1991 June 13.

(4398) Chiara = 1984 HC₂

Discovered 1984 Apr. 23 by W. Ferreri at the European Southern Observatory.

Named in honor of Chiara Maria Faletti (1955–), wife of the discoverer.

(4647) Syuji = 1931 TU₁

Discovered 1931 Oct. 9 by K. Reinmuth at Heidelberg.

Named in honor of Syuji Hayakawa (1958–), an active observer of minor planets and comets. Name proposed by T. Kobayashi, who found the identifications involving this minor planet.

(4807) Noboru = 1991 AO

Discovered 1991 Jan. 10 by T. Kobayashi at Oizumi.

Named in memory of Noboru Yamada (1950–1989), one of the greatest Japanese alpinists. Yamada had intended to climb all the peaks in the 8000-m class on the earth and climbed nine of them in twelve expeditions.

(5307) Paul-André = 1980 YC

Discovered 1980 Dec. 30 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Named in memory of Paul-André Herbelin (1933–1994) of Ayent, near Sion, Switzerland, friend of the discoverer and brother of the discoverer's companion Anne-Marie Malotki. By profession a surveyor, Herbelin was by avocation a winemaker and raclette chef extraordinaire.

(5351) Diderot = 1989 SG₅

Discovered 1989 Sept. 26 by E. W. Elst at the European Southern Observatory.

Named in memory of Denis Diderot (1713–1784), French author of dramas, novels and philosophical essays. Together with d'Alembert, he will be remembered for his Encyclopedia, a huge task that took almost 20 years of his life and resulted in more than one thousand articles on philosophy, literature, religion, politics, economics and applied science. Citation by K. Leterme at the request of the discoverer.

(5424) Covington = 1983 TN₁

Discovered 1983 Oct. 12 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Named in honor of Arthur Covington (1913–), Canada's first radio astronomer. His discovery, during the partial solar eclipse of 1946 Nov. 23, that microwave emission was far more intense from the vicinity of sunspots than elsewhere on the sun, was the first indicator that magnetic fields were important in the generation of nonthermal cosmic radio emission. In 1947 Covington inaugurated at the National Research Council of Canada daily measurements of the solar microwave flux at 10.7 cm. Name suggested and citation prepared by C. J. Cunningham.

(5530) Eisinga = 2835 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 Eise Eisinga (1744–1821), Dutch amateur astronomer, on the 250th anniversary of his birth. Eisinga lived in northern town of Franeker, where he constructed a large (and still functioning) mechanical planetarium.

(5610) Balster = 2041 T-3

Discovered 1977 Oct. 16 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Named in honor of Harry A. M. Balster (1946–) and his younger sister Yvonne. Harry is a very active amateur astronomer in Nymegen, The Netherlands. His main fields of interest are sunspot research and making the general public enthusiastic for astronomy. By profession he is an electronic engineer. When I. van Houten was measuring her plates at Nymegen, Harry always helped when there was something wrong with the measuring engine. His sister was a programmer and general assistant in the Nymegen astronomy department, and she was just as great a help for I. van Houten as her brother.

(5619) Shair = 1990 HC₁

Discovered 1990 Apr. 26 by E. F. Helin at Palomar.

Named in honor of Fredrick H. Shair, manager of the Educational Affairs Office at the Jet Propulsion Laboratory and former dean of the College of Natural Sciences and Mathematics at California State University, Long Beach, and professor at the California Institute of Technology. While at Caltech, he established the Summer Undergraduate Research Fellowship (SURF) Program, which integrates students' classroom experience with a research environment. Shair has been honored with numerous awards for his teaching excellence. The discoverer has been a SURF sponsor since the early years of the program. Name heartily endorsed by Shair's many friends and colleagues.

(5655) Barney = 1159 T-2

Discovered 1973 Sept. 29 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Named in memory of Ida Barney (1886–1982), astronomer at the Yale Observatory from 1924 to 1959 and supervisor of the Yale Zone Catalogue program of positions and proper motions of stars.

(5672) Libby = 1986 EE₂

Discovered 1986 Mar. 6 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Named in honor of Eleanor W. Libby, founder and president of the Donald Ware Waddell Foundation, which has provided funds to arts organizations, museums, and to cancer research. Libby's generosity has done much to enhance the visitors'

program at Lowell Observatory. Name suggested by W. L. Putnam, citation provided by Putnam and M. L. Evans.

(5673) McAllister = 1986 RT₂

Discovered 1986 Sept. 6 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Named in honor of Frances McAllister, humanitarian and leading philanthropist of Flagstaff, Arizona. Founder of The Arboretum at Flagstaff, a center of horticulture and plant research, McAllister sponsored a program that allowed high-school students to observe P/Halley in 1985–86 and has helped considerably to improve Lowell Observatory's library and scientific facilities. Name suggested by W. L. Putnam, citation provided by Putnam, O. G. Franz and M. L. Evans.

(5674) Wolff = 1986 RW₂

Discovered 1986 Sept. 6 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Named in honor of John M. Wolff, a long-time trustee of the Wolff Foundation. Endowed by Wolff's father, the foundation has provided support for children's hospitals, for children with special needs, and for arts and music organizations in Phoenix, Arizona, and St. Louis, Missouri. Generous donations to Lowell Observatory have enabled the construction of automated offset guiders and other instrumentation. Name suggested by W. L. Putnam, citation provided by Putnam and M. L. Evans.

(5759) Zoshchenko = 1980 BJ₄

Discovered 1980 Jan. 22 by L. G. Karachkina at the Crimean Astrophysical Observatory.

Named in honor of outstanding Russian writer-satirist Mikhail Mikhailovich Zoshchenko (1894–1958). The name is given on the occasion of the one-hundredth anniversary of his birth, following a suggestion by L. R. Nemirovskij.

(5769) Michard = 1987 PL

Discovered 1987 Aug. 6 at Caussols.

Named in honor of Raymond Michard (1925–), administrator of the Observatoire de la Côte d'Azur since 1987 and ardent supporter of the CERGA Schmidt. He had earlier studied the sun at Sacramento Peak and led the Service Solaire at Meudon during 1971–76. He later studied the morphology of elliptical galaxies in Texas and at Nice, where he was director in 1981.

(5780) Lafontaine = 1990 EJ₂

Discovered 1990 Mar. 2 by E. W. Elst at the European Southern Observatory.

Named in memory of the French lyric poet Jean de la Fontaine (1621–1695), on the occasion of the 300th anniversary of his death. He is well known from his "fables" (first published in six books in 1668, with a total of 12 books by 1694) and his "contes". The fables were inspired by Greek and Latin writers such as Aesop and Phaedrus, and the contes, mainly by the French writers Rabelais and Marguerite de Navarre. Although La Fontaine continued the classical tradition, he created his own style and language that exhibits versatility and fecundity. He is considered one of the greatest classical French writers. Citation material provided by K. Leterme at the request of the discoverer.

(5786) Talos = 1991 RC

Discovered 1991 Sept. 3 by R. H. McNaught at Siding Spring.

A cousin of Icarus, Talos was murdered by his uncle, Daedalus, through jealousy of his inventiveness. There is another Talos in legend, a living bronze work of art created by the god Hephaistos. Talos would run around the island of Crete and ward

off strangers from its shores by throwing stones. Unwanted visitors unlucky enough to be caught would be held to his bosom, which he made red hot. It is believed that Talos is the winged figure, running with large strides and holding a stone in each hand, depicted in coins from the town of Phaestos. The semimajor axis, eccentricity and inclination of this asteroid show a remarkable similarity to (1566) Icarus. Named by the discoverer following a suggestion by D. J. Asher.

(5808) Babel' = 1987 QV₁₀

Discovered 1987 Aug. 27 by L. G. Karachkina at the Crimean Astrophysical Observatory.

Named in honor of outstanding Russian writer and dramatist Isaac Emmanuilovich Babel' (1894–1940). The name is given on the occasion of the one-hundredth anniversary of his birth, following a suggestion by L. R. Nemirovskij.

(5816) Potsdam = 1989 AO₆

Discovered 1989 Jan. 11 by F. Börngen at Tautenburg.

Named for the capital of the German state of Brandenburg. Besides Belin, Potsdam was the residence of Brendenburgian Electors and Prussian kings (Friedrich the Great, Friedrich Wilhelm I). Several famous castles, e.g., Sanssouci and the New Palace, are located there. After World War II the Potsdam Conference took place at the Cecilienhof Palace. The Astrophysikalisches Observatorium Potsdam, devoted to the introduction and development of new research methods in astrophysics, was founded in 1874 at the Telegrafenberg. The well-known Einstein Tower for solar studies was erected by the architect Erich Mendelsohn in 1922. This planet is named on the occasion of the 1994 meeting of the Astronomische Gesellschaft in Potsdam.

(5820) Babelsberg = 1989 UF₇

Discovered 1989 Oct. 23 by F. Börngen at Tautenburg.

Named for a residential district of the city of Potsdam, known as the summer residence of Emperor Wilhelm I and for its famous film studios. The Berlin Observatory, founded in 1700, was transferred because of bad seeing conditions to Babelsberg before World War I. Therefore, the Babelsberg Observatory is the oldest still-existing astronomical institute in the German-speaking world. Former directors have included J. E. Bode, J. F. Encke, W. Foerster and K. H. Struve. The assistant astronomer J. G. Galle discovered Neptune at this observatory in 1846. This planet is named on the occasion of the 1994 meeting of the Astronomische Gesellschaft in Potsdam.

(5924) Teruo = 1994 CH₁

Discovered 1994 Feb. 7 by T. Kobayashi at Oizumi.

Named in memory of Teruo Saegusa (1957–1989), one of the greatest Japanese alpinists, who climbed Mount Everest twice.

EPHEMERIDES

Comet Mueller (1994c)

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | m_1 | Elements MPC 23480 |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|-------|--------------------|
| 1994 05 08 | | 11 56.25 | +08 51.3 | 1.888 | 2.632 | 127.9 | 17.6 | 17.6 | |
| 1994 05 18 | | 11 35.88 | +08 16.4 | 2.142 | 2.718 | 114.2 | 19.9 | 18.0 | |
| 1994 05 28 | | 11 22.17 | +07 31.3 | 2.416 | 2.804 | 101.8 | 20.7 | 18.4 | |
| 1994 06 07 | | 11 13.43 | +06 40.8 | 2.698 | 2.892 | 90.6 | 20.5 | 18.8 | |
| 1994 06 17 | | 11 08.32 | +05 47.1 | 2.980 | 2.980 | 80.2 | 19.6 | 19.1 | |
| 1994 06 27 | | 11 05.86 | +04 51.5 | 3.256 | 3.069 | 70.5 | 18.2 | 19.4 | |
| 1994 07 07 | | 11 05.34 | +03 54.5 | 3.520 | 3.158 | 61.2 | 16.4 | 19.7 | |
| 1994 07 17 | | 11 06.25 | +02 56.3 | 3.769 | 3.248 | 52.3 | 14.3 | 20.0 | |

| | | | | | | | | | |
|------------|--|----------|----------|-------|-------|------|------|------|--|
| 1994 07 27 | | 11 08.18 | +01 57.2 | 3.999 | 3.337 | 43.6 | 12.1 | 20.2 | |
| 1994 08 06 | | 11 10.85 | +00 57.3 | 4.207 | 3.427 | 35.1 | 9.8 | 20.5 | |

Comet Takamizawa-Levy (1994f)

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | m_1 | Elements MPC 23482 |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|-------|--------------------|
| 1994 05 08 | | 20 57.82 | +29 35.5 | 1.087 | 1.376 | 82.0 | 46.6 | 8.6 | |
| 1994 05 13 | | 20 42.82 | +37 58.8 | 1.001 | 1.367 | 85.6 | 47.5 | 8.4 | |
| 1994 05 18 | | 20 19.06 | +47 23.5 | 0.940 | 1.361 | 88.4 | 48.0 | 8.2 | |
| 1994 05 23 | | 19 39.33 | +57 04.0 | 0.911 | 1.359 | 89.8 | 48.1 | 8.1 | |
| 1994 05 28 | | 18 30.41 | +65 24.3 | 0.916 | 1.362 | 89.6 | 48.1 | 8.2 | |
| 1994 06 02 | | 16 42.41 | +69 57.0 | 0.956 | 1.368 | 87.9 | 47.8 | 8.3 | |
| 1994 06 07 | | 14 48.29 | +69 16.6 | 1.025 | 1.378 | 85.0 | 47.2 | 8.4 | |
| 1994 06 12 | | 13 30.93 | +65 19.9 | 1.117 | 1.392 | 81.4 | 46.1 | 8.7 | |
| 1994 06 17 | | 12 46.26 | +60 32.9 | 1.225 | 1.410 | 77.4 | 44.7 | 8.9 | |
| 1994 06 22 | | 12 19.88 | +55 58.8 | 1.344 | 1.431 | 73.2 | 42.8 | 9.2 | |
| 1994 06 27 | | 12 03.43 | +51 55.1 | 1.469 | 1.455 | 68.9 | 40.7 | 9.5 | |
| 1994 07 02 | | 11 52.70 | +48 23.0 | 1.597 | 1.483 | 64.7 | 38.3 | 9.7 | |
| 1994 07 07 | | 11 45.52 | +45 19.1 | 1.727 | 1.513 | 60.6 | 35.8 | 10.0 | |
| 1994 07 12 | | 11 40.67 | +42 39.1 | 1.854 | 1.546 | 56.5 | 33.2 | 10.2 | |
| 1994 07 17 | | 11 37.42 | +40 19.0 | 1.979 | 1.581 | 52.5 | 30.6 | 10.5 | |
| 1994 07 22 | | 11 35.30 | +38 15.6 | 2.100 | 1.618 | 48.5 | 28.1 | 10.7 | |
| 1994 07 27 | | 11 34.03 | +36 26.0 | 2.217 | 1.657 | 44.7 | 25.5 | 10.9 | |
| 1994 08 01 | | 11 33.38 | +34 47.9 | 2.328 | 1.698 | 41.0 | 23.1 | 11.1 | |
| 1994 08 06 | | 11 33.23 | +33 19.7 | 2.433 | 1.740 | 37.5 | 20.8 | 11.3 | |
| 1994 08 11 | | 11 33.45 | +31 59.9 | 2.531 | 1.784 | 34.1 | 18.6 | 11.5 | |
| 1994 08 16 | | 11 33.96 | +30 47.6 | 2.623 | 1.829 | 30.9 | 16.5 | 11.7 | |

Periodic Comet Maury (1994h)

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | m_2 | Elements MPC 23480 |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|-------|--------------------|
| 1994 05 08 | | 22 51.28 | −00 10.2 | 2.319 | 2.073 | 63.4 | 25.8 | 18.6 | |
| 1994 05 18 | | 23 09.42 | +01 22.7 | 2.247 | 2.093 | 68.1 | 26.7 | 18.6 | |
| 1994 05 28 | | 23 26.45 | +02 48.2 | 2.173 | 2.116 | 73.2 | 27.3 | 18.5 | |
| 1994 06 07 | | 23 42.24 | +04 04.2 | 2.097 | 2.142 | 78.6 | 27.7 | 18.5 | |
| 1994 06 17 | | 23 56.62 | +05 08.6 | 2.020 | 2.171 | 84.4 | 27.8 | 18.4 | |
| 1994 06 27 | | 00 09.39 | +05 59.3 | 1.942 | 2.203 | 90.7 | 27.5 | 18.4 | |
| 1994 07 07 | | 00 20.36 | +06 34.3 | 1.865 | 2.237 | 97.4 | 26.8 | 18.3 | |
| 1994 07 17 | | 00 29.24 | +06 51.4 | 1.789 | 2.273 | 104.8 | 25.6 | 18.2 | |
| 1994 07 27 | | 00 35.80 | +06 49.0 | 1.718 | 2.311 | 112.9 | 23.9 | 18.1 | |
| 1994 08 06 | | 00 39.84 | +06 25.4 | 1.654 | 2.351 | 121.7 | 21.5 | 18.0 | |
| 1994 08 16 | | 00 41.20 | +05 40.2 | 1.601 | 2.393 | 131.3 | 18.5 | 17.9 | |
| 1994 08 26 | | 00 39.97 | +04 34.4 | 1.562 | 2.437 | 141.6 | 14.9 | 17.7 | |
| 1994 09 05 | | 00 36.41 | +03 11.3 | 1.542 | 2.481 | 152.7 | 10.8 | 17.6 | |
| 1994 09 15 | | 00 31.10 | +01 36.8 | 1.545 | 2.527 | 164.2 | 6.2 | 17.4 | |
| 1994 09 25 | | 00 24.89 | −00 00.6 | 1.573 | 2.574 | 175.4 | 1.8 | 17.3 | |
| 1994 10 05 | | 00 18.67 | −01 32.4 | 1.629 | 2.622 | 171.4 | 3.3 | 17.5 | |
| 1994 10 15 | | 00 13.34 | −02 50.8 | 1.711 | 2.670 | 160.1 | 7.3 | 17.8 | |
| 1994 10 25 | | 00 09.56 | −03 50.6 | 1.819 | 2.719 | 149.0 | 10.9 | 18.2 | |
| 1994 11 04 | | 00 07.71 | −04 29.8 | 1.949 | 2.769 | 138.3 | 13.8 | 18.5 | |
| 1994 11 14 | | 00 07.94 | −04 48.6 | 2.097 | 2.819 | 128.3 | 16.0 | 18.7 | |
| 1994 11 24 | | 00 10.17 | −04 48.8 | 2.261 | 2.870 | 118.7 | 17.6 | 19.0 | |
| 1994 12 04 | | 00 14.24 | −04 33.0 | 2.437 | 2.920 | 109.7 | 18.5 | 19.2 | |
| 1994 12 14 | | 00 19.93 | −04 03.6 | 2.621 | 2.971 | 101.1 | 19.0 | 19.4 | |
| 1994 12 24 | | 00 27.00 | −03 23.3 | 2.810 | 3.022 | 92.8 | 19.0 | 19.6 | |

OPPOSITION DATA

| Planet | Opposition | α_{2000} | δ_{2000} | V | $\dot{\alpha}$ | $\dot{\delta}$ | ϕ_{MIN} | MPC | | | | | | | | | | | |
|--|------------|-----------------|-----------------|------|----------------|----------------|---------------------|-------|---------------------------------|------------|----------|----------|------|-------|-------|----------|-------|--|--|
| 1981 GG | 94 04 25.0 | 14 09.81 | -12 07.9 | 15.9 | -1.11 | - 2.5 | 0.4/24.9 | 23347 | 4180 T-2 | 94 04 29.0 | 14 25.00 | -11 41.0 | 18.2 | -0.98 | + 4.7 | 0.9/28.4 | 22088 | | |
| 2213 T-1 | 94 04 25.1 | 14 10.10 | -19 54.6 | 17.3 | -0.84 | + 2.0 | 2.0/26.9 | 21122 | 1991 UC ₃ | 94 04 29.1 | 14 25.17 | -12 10.3 | 18.3 | -0.83 | + 4.9 | 0.7/28.5 | 22084 | | |
| 1979 MB ₂ | 94 04 25.1 | 14 10.14 | -04 19.4 | 17.7 | -0.90 | + 5.1 | 2.9/22.7 | 22696 | 1991 RD ₄ | 94 04 29.3 | 14 25.84 | -13 44.6 | 16.6 | -0.89 | + 7.6 | 0.3/29.1 | 20338 | | |
| 1991 PQ ₁₁ | 94 04 25.1 | 14 10.16 | -22 05.7 | 17.0 | -0.96 | + 4.3 | 3.2/27.6 | 21976 | 1991 PY ₁₂ | 94 04 29.3 | 14 26.23 | -32 52.2 | 17.5 | -1.01 | + 2.9 | 5.6/04.3 | 21795 | | |
| 1991 RP ₂₅ | 94 04 25.2 | 14 10.57 | -11 33.6 | 17.1 | -0.84 | + 1.6 | 0.4/24.9 | 22494 | 3166 T-3 | 94 04 29.4 | 14 26.32 | -11 38.8 | 18.2 | -0.95 | + 5.6 | 1.1/28.7 | 22702 | | |
| 3285 T-2 | 94 04 25.4 | 14 11.21 | -10 57.6 | 17.8 | -0.98 | + 4.1 | 0.7/24.8 | 15257 | 1981 UE ₂₆ | 94 04 29.4 | 14 26.54 | -10 09.3 | 16.8 | -0.81 | + 3.6 | 1.3/28.3 | 22075 | | |
| 1979 SD ₉ | 94 04 25.5 | 14 11.39 | -12 39.9 | 18.5 | -0.72 | + 3.3 | 0.1/25.3 | 21965 | 1991 PT ₁ | 94 04 29.5 | 14 26.68 | -11 14.8 | 16.1 | -0.86 | + 6.9 | 1.6/28.6 | 20821 | | |
| 6626 P-L | 94 04 25.6 | 14 12.06 | -16 09.6 | 16.7 | -1.01 | + 3.7 | 1.3/26.4 | 22087 | 1991 PX ₁₄ | 94 04 29.5 | 14 26.89 | -20 54.8 | 17.5 | -0.99 | + 6.3 | 2.5/01.3 | 20822 | | |
| 1992 UM ₆ | 94 04 25.6 | 14 12.13 | -19 39.9 | 17.2 | -1.02 | + 5.1 | 2.3/27.4 | 22273 | 1981 DT ₂ | 94 04 29.5 | 14 26.93 | -37 24.4 | 17.2 | -1.11 | + 2.2 | 7.6/05.6 | 21966 | | |
| 1274 T-2 | 94 04 25.7 | 14 12.47 | -14 39.9 | 18.1 | -0.88 | + 3.9 | 0.5/26.1 | 21952 | 1969 TT ₁ | 94 04 29.5 | 14 26.96 | -15 23.7 | 17.6 | -0.98 | + 4.0 | 0.3/29.8 | 22270 | | |
| 1978 SD ₇ | 94 04 25.8 | 14 12.64 | -13 32.3 | 16.1 | -1.01 | + 7.4 | 0.1/25.9 | 13854 | 1992 UT ₃ | 94 04 29.6 | 14 26.97 | -10 46.6 | 16.6 | -1.05 | + 2.7 | 1.4/28.7 | 21798 | | |
| 3058 T-1 (5534) | 94 04 25.9 | 14 13.10 | -21 12.5 | 17.6 | -1.14 | + 3.3 | 3.0/27.9 | 19322 | 1987 JA | 94 04 29.7 | 14 27.47 | -15 39.8 | 16.9 | -1.05 | + 3.5 | 0.4/30.0 | 22078 | | |
| 1976 UG ₂ | 94 04 26.1 | 14 14.00 | -16 57.8 | 17.3 | -0.98 | + 4.6 | 1.2/27.1 | 23535 | 1981 JB ₃ | 94 04 29.7 | 14 27.48 | -11 34.3 | 16.1 | -1.06 | + 1.1 | 1.5/29.1 | 23535 | | |
| 1989 AG | 94 04 26.2 | 14 14.41 | +06 27.4 | 16.3 | -0.91 | + 1.2 | 7.4/21.3 | 23537 | 7068 P-L | 94 04 29.7 | 14 27.57 | -12 36.4 | 18.0 | -0.84 | + 6.2 | 0.6/29.2 | 19876 | | |
| 1991 VE ₁ | 94 04 26.3 | 14 14.84 | -21 28.5 | 16.6 | -0.84 | + 7.2 | 2.5/28.8 | 21976 | 1955 SF (5507) | 94 04 29.7 | 14 27.75 | -22 23.5 | 17.3 | -1.13 | + 3.8 | 3.2/01.7 | 22429 | | |
| 1992 WP ₅ (5539) | 94 04 26.4 | 14 14.98 | -06 56.7 | 15.3 | -0.99 | + 4.4 | 3.0/24.7 | 22274 | 1992 UX ₅ | 94 04 29.8 | 14 28.07 | -18 27.6 | 17.1 | -0.94 | + 3.9 | 1.3/30.9 | 21914 | | |
| 1990 ST ₈ | 94 04 26.6 | 14 15.49 | -16 33.5 | 16.1 | -0.96 | + 4.9 | 1.0/27.4 | 22038 | 4181 T-3 (5485) | 94 04 29.9 | 14 28.18 | -06 07.9 | 15.9 | -0.95 | + 6.1 | 3.5/27.6 | 23520 | | |
| 1992 WY ₁ | 94 04 26.6 | 14 15.73 | -06 55.4 | 18.4 | -0.77 | + 3.7 | 2.0/24.8 | 18297 | 1990 OE ₄ | 94 04 29.9 | 14 28.25 | -10 15.2 | 19.1 | -1.03 | + 4.7 | 1.7/28.8 | 21978 | | |
| 2045 T-2 | 94 04 26.6 | 14 15.84 | -17 10.0 | 16.6 | -1.04 | + 3.9 | 1.4/27.6 | 21277 | 1984 SZ ₅ | 94 04 30.1 | 14 29.00 | -13 34.2 | 16.8 | -0.90 | + 3.2 | 0.4/29.9 | 22476 | | |
| 1991 RA ₁ | 94 04 26.7 | 14 15.90 | -27 05.1 | 16.0 | -1.10 | - 1.3 | 5.5/29.5 | 22087 | 1993 AN | 94 04 30.1 | 14 29.03 | -12 55.9 | 17.5 | -0.87 | + 7.0 | 0.6/29.6 | 21974 | | |
| 1988 VE ₇ | 94 04 26.7 | 14 16.24 | -31 55.2 | 18.1 | -1.05 | + 3.0 | 5.8/01.6 | 19034 | 3196 T-1 | 94 04 30.2 | 14 29.30 | -22 56.4 | 16.3 | -1.19 | - 1.5 | 4.1/01.7 | 21969 | | |
| 1976 QP | 94 04 26.9 | 14 16.72 | -14 09.4 | 17.4 | -0.98 | + 5.8 | 0.2/27.0 | 23535 | 1158 T-2 | 94 04 30.2 | 14 29.37 | -11 04.0 | 17.4 | -0.78 | + 3.5 | 1.1/29.3 | 22086 | | |
| 1991 VD ₂ (5437) (5402) | 94 04 27.1 | 14 17.48 | -09 41.0 | 18.1 | -0.74 | + 3.6 | 1.1/26.0 | 21976 | 1981 ER ₁₁ (5519) | 94 04 30.3 | 14 29.67 | -16 02.8 | 16.2 | -0.84 | + 5.0 | 0.5/30.7 | 22827 | | |
| 2610 T-3 | 94 04 27.1 | 14 17.69 | -25 56.0 | 15.6 | -1.08 | + 3.5 | 5.2/30.0 | 21553 | 1181 T-2 | 94 04 30.3 | 14 29.83 | -14 58.4 | 19.7 | -0.95 | + 5.1 | 0.1/30.4 | 20831 | | |
| 2327 T-3 | 94 04 27.1 | 14 17.83 | -24 04.9 | 15.8 | -1.07 | +12.7 | 4.1/30.5 | 21247 | 1980 TK ₆ | 94 04 30.6 | 14 30.84 | -18 45.1 | 19.2 | -0.91 | + 4.6 | 1.5/01.7 | 22429 | | |
| 1991 RD ₂₄ | 94 04 27.2 | 14 17.86 | -17 29.6 | 17.3 | -0.97 | + 4.7 | 1.6/28.2 | 22088 | (5519) | 94 04 30.6 | 14 30.96 | -05 55.1 | 17.0 | -0.73 | + 4.4 | 2.6/28.1 | 21919 | | |
| 1992 UK ₆ | 94 04 27.5 | 14 17.98 | -16 27.6 | 18.2 | -0.84 | + 4.7 | 0.8/28.0 | 22088 | 1980 TK ₆ | 94 04 30.6 | 14 31.07 | -15 44.8 | 16.8 | -0.92 | + 6.9 | 0.3/30.9 | 21966 | | |
| 1992 YE | 94 04 27.8 | 14 18.02 | -03 00.6 | 16.1 | -0.91 | + 4.6 | 4.6/24.2 | 23538 | 1125 T-2 | 94 04 30.7 | 14 31.36 | -14 15.2 | 18.5 | -0.74 | + 3.7 | 0.2/30.6 | 22087 | | |
| 1990 KE | 94 04 27.8 | 14 19.26 | -19 58.3 | 16.1 | -1.04 | + 5.3 | 2.5/29.2 | 21276 | 1987 WY | 94 04 30.7 | 14 31.45 | -18 31.2 | 17.3 | -0.87 | + 7.1 | 1.1/01.8 | 21971 | | |
| 1981 EO ₇ | 94 04 27.8 | 14 20.16 | -25 41.7 | 17.4 | -1.06 | + 5.0 | 4.3/31.0 | 22488 | 4101 T-2 | 94 04 30.8 | 14 31.93 | -12 41.2 | 16.6 | -0.79 | + 3.4 | 0.8/30.3 | 22244 | | |
| 4095 P-L | 94 04 28.0 | 14 20.17 | -03 27.2 | 17.0 | -0.80 | + 8.5 | 3.4/24.4 | 23514 | 1974 WB | 94 04 30.9 | 14 32.10 | -26 09.1 | 19.6 | -0.89 | + 6.0 | 3.3/04.2 | 6949 | | |
| 1981 UA | 94 04 28.2 | 14 20.52 | -07 53.1 | 17.9 | -0.82 | + 8.3 | 2.0/26.0 | 21966 | 1985 TJ ₁ | 94 05 01.2 | 14 33.41 | -19 35.2 | 16.6 | -0.92 | + 0.9 | 1.5/02.3 | 17016 | | |
| 1988 XR | 94 04 28.2 | 14 21.05 | -15 42.3 | 19.2 | -0.85 | + 5.5 | 0.5/28.5 | 20829 | 1985 SC ₃ | 94 05 01.3 | 14 33.65 | -15 08.7 | 17.7 | -1.03 | + 7.9 | 0.0/01.4 | 19018 | | |
| 1978 SM ₅ | 94 04 28.3 | 14 21.68 | -32 30.5 | 20.0 | -1.33 | - 0.6 | 5.7/01.9 | 15706 | 1984 QJ (5948) | 94 05 01.3 | 14 33.68 | -11 36.5 | 17.7 | -0.73 | + 3.5 | 0.9/30.4 | 21969 | | |
| 1992 WZ ₅ | 94 04 28.4 | 14 21.87 | -14 38.7 | 18.3 | -0.94 | + 5.0 | 0.2/28.4 | 22493 | 1989 AW ₅ | 94 05 01.3 | 14 33.80 | -03 29.2 | 15.7 | -0.91 | - 1.2 | 5.3/29.0 | 23502 | | |
| 1988 RV ₁ | 94 04 28.4 | 14 22.21 | -12 34.6 | 16.2 | -0.91 | + 2.9 | 0.6/28.0 | 22073 | 1992 YU ₂ | 94 05 01.5 | 14 34.19 | -10 52.4 | 17.8 | -0.91 | + 3.7 | 1.5/30.4 | 22226 | | |
| 1981 UZ ₂₄ | 94 04 28.4 | 14 22.77 | -29 21.9 | 17.7 | -0.95 | + 7.1 | 4.8/03.2 | 21800 | 1976 AH | 94 05 01.5 | 14 34.26 | -15 52.3 | 18.1 | -0.89 | + 5.2 | 0.2/01.7 | 21801 | | |
| 1975 SA ₁ | 94 04 28.5 | 14 22.78 | -18 02.2 | 17.8 | -1.06 | + 3.1 | 1.5/29.4 | 22401 | 1990 SX ₁₆ | 94 05 01.6 | 14 34.66 | -31 10.1 | 14.5 | -0.81 | + 8.0 | 5.1/06.9 | 22598 | | |
| 1981 EX ₁₅ | 94 04 28.5 | 14 22.81 | -12 01.1 | 17.0 | -1.11 | + 1.1 | 0.9/28.0 | 20630 | 1981 SY ₁ | 94 05 01.7 | 14 35.02 | -23 23.0 | 17.5 | -0.91 | + 1.5 | 2.5/03.6 | 21974 | | |
| 1993 AJ | 94 04 28.5 | 14 22.86 | -17 57.2 | 16.2 | -0.92 | + 0.8 | 1.3/29.4 | 22491 | 1985 QP | 94 05 02.1 | 14 36.65 | -22 51.6 | 15.6 | -1.06 | + 3.9 | 3.5/04.0 | 22074 | | |
| 1992 WV ₃ | 94 04 28.5 | 14 22.86 | -19 53.1 | 18.7 | -0.93 | + 4.0 | 1.9/30.0 | 22492 | 1988 VM ₉ | 94 05 02.3 | 14 37.25 | -19 19.9 | 17.9 | -1.12 | + 3.9 | 1.6/03.2 | 19295 | | |
| 1993 CQ | 94 04 28.6 | 14 23.09 | +07 02.7 | 17.2 | -0.85 | + 3.3 | 6.3/22.7 | 22085 | 1982 SO ₅ | 94 05 02.3 | 14 37.32 | -18 22.1 | 16.5 | -1.05 | + 2.3 | 1.1/03.0 | 21972 | | |
| 1988 TL | 94 04 28.7 | 14 23.17 | -18 25.3 | 16.9 | -1.06 | + 3.1 | 1.6/29.6 | 22432 | 6530 P-L | 94 05 02.5 | 14 38.07 | -17 11.6 | 19.0 | -0.94 | + 3.9 | 0.6/03.0 | 13691 | | |
| 1990 DL ₃ | 94 04 29.0 | 14 23.44 | +00 46.5 | 16.9 | -0.79 | + 3.8 | 4.3/24.5 | 21948 | 1992 WG ₃ | 94 05 02.6 | 14 38.55 | -08 38.1 | 17.2 | -0.89 | + 5.4 | 2.3/30.8 | 21807 | | |
| | | 14 23.89 | -16 47.6 | 17.0 | -0.98 | + 4.9 | 0.9/29.4 | 22272 | 4601 P-L (5481) | 94 05 02.7 | 14 39.17 | -14 51.8 | 17.8 | -0.97 | + 5.0 | 0.2/02.6 | 22274 | | |
| | | 14 24.79 | -25 14.8 | 15.3 | -1.12 | + 0.6 | 5.1/01.4 | 19678 | 1989 EH ₁ | 94 05 02.8 | 14 39.47 | -13 10.4 | 18.2 | -0.81 | + 3.2 | 0.7/02.3 | 23540 | | |
| | | | | | | | | | 1994 GZ | 94 05 02.8 | 14 39.51 | -26 48.7 | 15.6 | -1.06 | + 3.3 | 4.9/05.6 | 21776 | | |
| | | | | | | | | | 1978 PV ₂ | 94 05 02.9 | 14 39.62 | -09 42.1 | 17.0 | -0.83 | + 4.9 | 2.1/01.4 | 22431 | | |
| | | | | | | | | | 1981 ED ₂₂ | 94 05 03.0 | 14 40.14 | -03 59.5 | 16.1 | -0.82 | + 7.4 | 3.9/29.7 | 23531 | | |
| | | | | | | | | | | 94 05 03.2 | 14 40.73 | -26 10.7 | 16.4 | -1.19 | + 3.6 | 4.8/05.0 | 10630 | | |
| | | | | | | | | | | | 14 41.12 | -12 35.4 | 18.4 | -0.87 | + 4.9 | 1.2/02.5 | 23535 | | |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|-----------------------|------------|----------|----------|------|-------|-------|----------|-------|
| 1990 KC ₁ | 94 05 03.4 | 14 41.51 | +08 55.1 | 16.8 | -0.91 | + 0.9 | 9.7/27.5 | 23349 | 2066 T-1 | 94 05 07.8 | 14 58.60 | -11 49.2 | 17.2 | -1.05 | + 4.6 | 2.0/06.6 | 21807 |
| 3212 T-1 | 94 05 03.4 | 14 41.72 | -19 53.9 | 16.7 | -1.12 | + 3.4 | 1.7/04.4 | 22087 | 1213 T-1 | 94 05 07.8 | 14 58.76 | -14 38.2 | 17.7 | -0.95 | + 5.6 | 0.8/07.3 | 21600 |
| 1114 T-1 | 94 05 03.6 | 14 42.40 | -13 22.5 | 16.7 | -0.94 | + 6.7 | 1.0/03.0 | 21978 | 1993 BO | 94 05 07.9 | 14 58.90 | -14 37.9 | 16.6 | -0.97 | + 4.9 | 0.8/07.4 | 21803 |
| 1984 SY ₅ | 94 05 03.7 | 14 42.61 | -12 25.4 | 17.0 | -0.74 | + 3.3 | 0.9/02.8 | 22271 | 2168 T-1 | 94 05 08.0 | 14 59.55 | -03 30.0 | 18.1 | -0.89 | + 7.3 | 4.9/04.3 | 21951 |
| 1984 WA ₄ | 94 05 03.7 | 14 42.84 | -22 39.0 | 16.7 | -1.02 | + 3.1 | 2.5/05.4 | 21786 | 1991 UV ₂ | 94 05 08.1 | 14 59.58 | -12 28.2 | 17.7 | -0.96 | + 1.3 | 1.4/07.2 | 19513 |
| 1978 RX ₁ | 94 05 03.7 | 14 43.06 | -08 55.0 | 18.1 | -1.03 | + 5.1 | 2.6/02.1 | 22429 | 1991 TW ₁ | 94 05 08.1 | 15 00.04 | -16 20.4 | 17.3 | -0.89 | + 2.3 | 0.2/08.0 | 22084 |
| 4262 T-1 | 94 05 03.8 | 14 43.20 | -12 49.6 | 16.8 | -0.89 | + 2.9 | 1.1/03.1 | 21808 | 1987 JG | 94 05 08.6 | 15 01.59 | -20 39.2 | 16.0 | -0.95 | + 7.5 | 1.6/09.5 | 18812 |
| 1991 RZ ₁ | 94 05 03.8 | 14 43.36 | +12 49.6 | 15.4 | -0.71 | +18.1 | 12.4/21.2 | 23517 | 4391 T-3 | 94 05 08.7 | 15 02.35 | -10 07.5 | 18.7 | -1.09 | + 3.5 | 2.9/07.2 | 22601 |
| 1981 EU ₂₀ | 94 05 03.9 | 14 43.45 | -17 36.9 | 17.1 | -0.93 | + 4.2 | 0.7/04.4 | 22823 | 1992 YN | 94 05 08.8 | 15 02.45 | -21 40.2 | 16.5 | -1.00 | + 5.7 | 1.6/09.9 | 21800 |
| 1992 WM ₅ | 94 05 03.9 | 14 43.58 | -05 25.1 | 16.0 | -0.96 | + 2.0 | 3.8/01.6 | 22085 | 1987 UW ₁ | 94 05 09.0 | 15 03.15 | -17 48.3 | 16.3 | -0.88 | + 6.2 | 0.2/09.2 | 22493 |
| 1987 SH ₃ | 94 05 04.0 | 14 43.88 | +09 52.8 | 16.3 | -1.01 | +16.8 | 11.3/24.7 | 23513 | 3109 P-L | 94 05 09.2 | 15 04.14 | -32 03.2 | 18.2 | -0.90 | + 4.6 | 4.8/13.0 | 14628 |
| 1978 RG ₁ | 94 05 04.0 | 14 44.10 | -13 21.6 | 17.8 | -0.76 | + 3.6 | 0.7/03.4 | 23535 | 1991 RB ₂₅ | 94 05 09.4 | 15 04.94 | -13 32.4 | 16.5 | -1.01 | + 0.4 | 1.4/08.7 | 23349 |
| 1988 CP ₂ | 94 05 04.0 | 14 44.16 | -11 00.9 | 16.3 | -0.83 | + 3.8 | 1.7/02.8 | 23536 | 3327 T-2 | 94 05 09.5 | 15 05.22 | -14 55.1 | 18.3 | -0.75 | + 2.6 | 0.6/09.0 | 21126 |
| 1993 AD | 94 05 04.1 | 14 44.35 | -28 13.4 | 17.2 | -0.93 | + 3.1 | 3.6/07.3 | 21802 | 1987 SC ₁ | 94 05 09.8 | 15 06.32 | -09 25.1 | 18.6 | -0.88 | + 3.7 | 2.4/07.9 | 21971 |
| (5585) | 94 05 04.3 | 14 45.07 | -44 38.9 | 17.9 | -1.21 | + 8.2 | 9.6/12.6 | 22210 | 1991 VP ₄ | 94 05 10.0 | 15 07.42 | -08 51.3 | 18.6 | -0.76 | + 2.5 | 2.4/08.1 | 20339 |
| (5947) | 94 05 04.3 | 14 45.14 | +06 24.3 | 15.5 | -0.95 | - 1.3 | 9.4/29.5 | 23502 | 2765 P-L | 94 05 10.1 | 15 07.43 | -18 36.2 | 20.3 | -0.89 | + 3.3 | 0.3/10.3 | 22694 |
| 1324 T-2 | 94 05 04.4 | 14 45.72 | -20 04.2 | 16.1 | -1.05 | + 1.3 | 1.9/05.3 | 21978 | 2506 P-L | 94 05 10.1 | 15 07.76 | -31 57.9 | 18.0 | -1.14 | - 0.5 | 5.5/12.6 | 22086 |
| 1988 CW ₄ | 94 05 04.6 | 14 46.12 | -20 36.6 | 16.7 | -0.80 | + 5.3 | 1.4/05.9 | 22599 | 1991 PF ₁₈ | 94 05 10.2 | 15 07.95 | -20 51.5 | 17.3 | -0.94 | + 4.7 | 1.1/11.0 | 20026 |
| 1990 QZ ₄ | 94 05 04.6 | 14 46.49 | +05 27.4 | 17.4 | -0.72 | + 3.5 | 5.5/28.6 | 20926 | 3186 T-3 | 94 05 10.3 | 15 08.45 | -17 06.6 | 17.6 | -1.02 | + 3.1 | 0.2/10.3 | 21978 |
| 1989 GF ₄ | 94 05 04.7 | 14 46.66 | -14 58.0 | 15.5 | -0.84 | + 6.8 | 0.4/04.4 | 23537 | (5964) | 94 05 10.4 | 15 08.96 | -13 45.0 | 17.2 | -0.76 | + 3.4 | 1.0/09.6 | 23505 |
| (5552) | 94 05 04.7 | 14 46.73 | -07 03.7 | 17.3 | -0.80 | + 4.8 | 2.5/02.4 | 22043 | 1981 EG ₁ | 94 05 10.4 | 15 08.98 | -20 40.5 | 16.2 | -0.97 | + 2.2 | 1.2/11.1 | 22074 |
| 1990 QG | 94 05 04.7 | 14 46.76 | -24 08.3 | 19.1 | -0.82 | + 3.1 | 2.0/06.8 | 23537 | (5455) | 94 05 10.4 | 15 08.99 | -22 08.8 | 16.3 | -1.11 | + 3.1 | 1.8/11.4 | 21766 |
| 1989 AD | 94 05 04.7 | 14 46.77 | -22 44.6 | 17.3 | -1.01 | + 3.2 | 2.1/06.3 | 22080 | (5453) | 94 05 10.5 | 15 08.95 | -08 17.9 | 17.5 | -0.99 | + 5.2 | 3.5/08.3 | 21765 |
| 1977 QL ₁ | 94 05 04.7 | 14 46.81 | -22 56.6 | 17.1 | -0.92 | + 3.1 | 2.2/06.4 | 21964 | (5427) | 94 05 10.6 | 15 09.57 | -10 14.5 | 14.6 | -0.99 | +22.7 | 3.5/07.9 | 22577 |
| 1990 UF | 94 05 04.8 | 14 47.26 | -14 08.5 | 16.5 | -0.78 | + 5.0 | 0.6/04.4 | 23538 | 1306 T-2 | 94 05 10.9 | 15 10.62 | -17 07.0 | 18.5 | -0.76 | + 3.0 | 0.2/10.8 | 21978 |
| 1981 EF ₅ | 94 05 04.9 | 14 47.22 | -16 14.9 | 17.8 | -0.88 | + 7.1 | 7.9/25.0 | 21966 | 1985 TB ₃ | 94 05 11.2 | 15 11.89 | -12 19.9 | 17.2 | -1.04 | + 5.4 | 2.2/10.0 | 17436 |
| (5510) | 94 05 05.1 | 14 48.25 | -06 39.7 | 16.7 | -1.09 | + 4.3 | 3.9/02.9 | 21916 | 3286 T-1 | 94 05 11.3 | 15 12.17 | -33 33.5 | 18.4 | -1.11 | + 0.3 | 5.6/14.4 | 21602 |
| 1986 QS | 94 05 05.1 | 14 48.26 | -27 21.6 | 17.0 | -0.94 | + 2.5 | 3.3/07.8 | 22493 | 1984 CF | 94 05 11.3 | 15 12.33 | -05 59.4 | 16.2 | -0.90 | + 0.7 | 4.3/09.1 | 23536 |
| 1980 TE ₇ | 94 05 05.1 | 14 48.45 | -08 02.6 | 16.8 | -0.93 | + 7.9 | 3.3/02.9 | 22074 | 1955 UN ₁ | 94 05 11.3 | 15 12.34 | -27 41.8 | 16.5 | -1.24 | - 0.1 | 3.9/12.9 | 22072 |
| 1990 SV ₁₂ | 94 05 05.2 | 14 48.74 | -15 09.7 | 18.0 | -0.76 | + 3.0 | 0.3/05.0 | 18123 | 1990 SK ₄ | 94 05 11.4 | 15 12.57 | -09 36.8 | 15.6 | -1.24 | - 4.2 | 3.6/10.3 | 23537 |
| 1989 YG ₈ | 94 05 05.3 | 14 49.11 | -10 08.1 | 17.2 | -1.06 | + 2.8 | 2.6/04.0 | 16879 | 1985 RD ₃ | 94 05 11.4 | 15 12.62 | -13 55.9 | 17.9 | -1.07 | + 3.9 | 1.6/10.6 | 11743 |
| 1979 SU ₁₁ | 94 05 05.4 | 14 49.33 | -13 40.2 | 16.7 | -0.78 | + 3.1 | 0.7/04.8 | 23132 | 1986 RT ₅ | 94 05 11.4 | 15 12.68 | -23 53.8 | 17.0 | -0.91 | + 4.0 | 2.0/12.8 | 22430 |
| 4253 T-2 | 94 05 05.8 | 14 50.95 | -06 25.9 | 19.2 | -0.98 | + 5.6 | 3.8/03.3 | 21978 | 1986 RK ₁ | 94 05 11.5 | 15 13.31 | -11 34.5 | 16.8 | -0.84 | + 4.0 | 2.0/10.1 | 23536 |
| 1979 MW ₂ | 94 05 05.8 | 14 51.03 | -11 53.4 | 18.7 | -0.77 | + 4.0 | 1.3/04.7 | 21965 | 1981 EF ₁₉ | 94 05 11.6 | 15 13.44 | -22 41.4 | 19.6 | -0.97 | + 3.6 | 1.5/12.7 | 22429 |
| 1993 CO | 94 05 05.8 | 14 51.08 | -16 32.1 | 16.2 | -0.85 | + 3.0 | 0.0/05.9 | 21948 | 1975 VN ₅ | 94 05 11.7 | 15 13.78 | -07 16.2 | 17.8 | -0.91 | + 3.3 | 3.4/09.3 | 20138 |
| 1991 PL ₁₇ | 94 05 06.1 | 14 51.90 | -29 25.0 | 18.5 | -1.06 | + 4.1 | 4.3/09.2 | 21578 | 1978 VN ₃ | 94 05 11.8 | 15 14.17 | -17 22.2 | 19.7 | -0.87 | + 4.6 | 0.2/11.7 | 19856 |
| 1982 UP | 94 05 06.1 | 14 51.97 | -15 37.0 | 17.3 | -1.06 | + 5.6 | 0.3/05.9 | 22075 | 1987 QW ₇ | 94 05 11.9 | 15 14.71 | -17 43.9 | 17.4 | -0.98 | + 4.5 | 0.1/11.9 | 22078 |
| 1987 HA | 94 05 06.4 | 14 53.32 | +08 37.5 | 16.6 | -1.46 | -13.2 | 12.8/06.2 | 23536 | 1991 TV ₁ | 94 05 11.9 | 15 14.82 | -17 44.9 | 18.0 | -0.99 | + 1.9 | 0.1/11.9 | 19509 |
| 1991 PG ₁₁ | 94 05 06.6 | 14 53.86 | -07 33.4 | 17.0 | -0.97 | + 7.7 | 3.9/04.1 | 19507 | 1988 RK ₈ | 94 05 12.1 | 15 15.41 | -14 53.5 | 17.6 | -1.02 | + 4.7 | 1.2/11.4 | 21972 |
| (5494) | 94 05 06.7 | 14 54.24 | -18 24.7 | 16.1 | -0.86 | + 3.6 | 0.6/07.2 | 21909 | 1980 FZ ₃ | 94 05 12.8 | 15 18.19 | -29 40.0 | 17.5 | -1.18 | + 2.7 | 4.3/15.1 | 21965 |
| 1979 SR ₂ | 94 05 06.7 | 14 54.55 | -20 56.8 | 18.2 | -0.79 | + 3.2 | 1.1/07.8 | 22270 | 3365 T-2 | 94 05 12.9 | 15 18.72 | -18 14.6 | 18.5 | -0.77 | + 2.5 | 0.0/13.0 | 21978 |
| (5795) | 94 05 06.8 | 14 54.96 | -10 57.1 | 17.0 | -1.08 | + 1.8 | 2.1/05.7 | 22936 | 1991 PY ₂ | 94 05 13.1 | 15 19.39 | -34 59.8 | 17.1 | -1.15 | + 3.6 | 6.6/16.9 | 23516 |
| 1990 QO ₃ | 94 05 07.0 | 14 55.43 | -29 34.2 | 16.9 | -0.89 | + 1.7 | 3.7/10.0 | 19866 | 1981 US ₂₂ | 94 05 13.1 | 15 19.43 | -13 32.9 | 17.4 | -1.08 | + 1.8 | 1.9/12.3 | 20629 |
| 1991 SF ₁ | 94 05 07.0 | 14 55.51 | -08 47.1 | 15.7 | -0.88 | +11.5 | 3.5/04.5 | 23538 | 1988 US | 94 05 13.2 | 15 19.54 | -23 16.1 | 16.5 | -1.07 | + 4.8 | 1.9/14.3 | 22080 |
| (5544) | 94 05 07.2 | 14 56.34 | -30 46.4 | 16.7 | -1.10 | + 0.1 | 5.0/10.1 | 22040 | 1980 UW ₁ | 94 05 13.4 | 15 20.68 | -21 12.7 | 18.1 | -1.04 | + 3.9 | 1.1/14.1 | 21966 |
| (5512) | 94 05 07.3 | 14 56.60 | -11 53.7 | 16.0 | -1.11 | + 2.2 | 2.0/06.3 | 21916 | 4240 T-2 | 94 05 13.4 | 15 20.76 | -15 20.1 | 18.2 | -1.00 | + 2.9 | 1.1/12.9 | 22088 |
| 1981 EF ₂₇ | 94 05 07.3 | 14 56.64 | -12 08.1 | 18.7 | -0.85 | + 5.5 | 1.9/06.1 | 23535 | 1979 UC ₄ | 94 05 13.4 | 15 20.76 | -22 00.0 | 18.2 | -0.96 | + 2.8 | 1.1/14.2 | 18804 |
| 1120 T-3 | 94 05 07.4 | 14 57.16 | -27 23.7 | 18.6 | -0.91 | + 4.0 | 3.2/10.1 | 22088 | 1990 DD ₂ | 94 05 13.5 | 15 21.15 | -13 16.1 | 16.3 | -0.89 | + 5.1 | 2.5/12.4 | 17444 |
| 1988 QW | 94 05 07.4 | 14 57.18 | -21 26.8 | 17.5 | -1.07 | + 4.5 | 1.6/08.5 | 22431 | 1992 AK ₁ | 94 05 13.6 | 15 21.43 | -15 25.1 | 17.2 | -0.75 | + 2.5 | 0.8/13.0 | 22084 |
| 2232 T-2 | 94 05 07.5 | 14 57.59 | -11 35.1 | 17.9 | -0.96 | + 5.3 | 2.0/06.3 | 22601 | 1980 FN ₁ | 94 05 13.7 | 15 21.82 | -18 01.7 | 16.9 | -1.05 | + 3.7 | 0.2/13.7 | 22429 |
| 1992 QR | 94 05 07.7 | 14 58.21 | +23 53.9 | 17.1 | -1.07 | + 5.7 | 17.1/24.0 | 20829 | 1981 ER ₂₅ | 94 05 14.0 | 15 22.87 | -12 48.3 | 19.5 | -0.90 | + 4.2 | 1.9/12.8 | 21932 |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| 3211 T-2 | 94 05 14.1 | 15 23.18 | -17 03.5 | 17.3 | -0.82 | + 2.0 | 0.5/13.8 | 15728 | 1280 T-1 | 94 05 18.3 | 15 39.83 | -09 27.9 | 16.4 | -0.75 | + 4.4 | 3.2/16.1 | 23540 |
| 1979 YQ | 94 05 14.2 | 15 23.47 | -11 16.6 | 17.5 | -0.93 | + 1.7 | 2.2/12.8 | 22073 | (5611) | 94 05 18.3 | 15 40.10 | -37 36.7 | 16.5 | -1.15 | + 1.2 | 6.3/21.6 | 22388 |
| 4606 P-L | 94 05 14.3 | 15 23.91 | -18 43.3 | 16.6 | -1.04 | + 2.4 | 0.0/14.3 | 18830 | 1988 KA | 94 05 18.4 | 15 40.30 | -15 34.8 | 14.5 | -1.11 | + 1.3 | 2.0/17.8 | 22079 |
| (5629) | 94 05 14.5 | 15 24.65 | -03 43.0 | 16.0 | -0.76 | + 2.9 | 4.4/11.2 | 22395 | 3288 T-2 | 94 05 18.4 | 15 40.45 | -18 55.2 | 17.3 | -0.82 | + 1.9 | 0.2/18.4 | 15729 |
| (5415) | 94 05 14.5 | 15 24.68 | -13 53.4 | 17.0 | -1.01 | + 5.1 | 1.8/13.5 | 21545 | 1980 UL | 94 05 18.9 | 15 42.56 | +17 14.0 | 17.4 | -0.94 | + 3.7 | 13.0/08.9 | 23535 |
| 1991 PO ₁₃ | 94 05 14.5 | 15 24.95 | -27 21.3 | 17.0 | -1.16 | + 2.1 | 3.9/16.1 | 22486 | 1981 TT | 94 05 19.0 | 15 42.98 | -15 28.1 | 16.9 | -1.04 | + 5.7 | 1.9/18.2 | 18808 |
| 1978 RL ₁ | 94 05 14.7 | 15 25.47 | -16 04.0 | 17.6 | -0.78 | + 3.0 | 0.8/14.1 | 21964 | (5670) | 94 05 19.2 | 15 43.49 | -34 52.8 | 16.3 | -0.88 | + 6.2 | 4.3/22.9 | 22580 |
| 1988 RL ₉ | 94 05 14.8 | 15 25.91 | -27 46.1 | 16.6 | -1.15 | + 3.5 | 3.6/16.6 | 17442 | (5549) | 94 05 19.2 | 15 43.57 | -40 20.9 | 16.6 | -1.23 | - 0.7 | 8.2/22.5 | 22042 |
| 4545 P-L | 94 05 14.9 | 15 26.44 | -17 31.8 | 16.8 | -0.84 | + 3.4 | 0.4/14.7 | 17836 | 1991 PE ₃ | 94 05 19.4 | 15 44.24 | -15 37.1 | 18.4 | -0.99 | + 2.7 | 1.4/18.7 | 22083 |
| (5689) | 94 05 15.0 | 15 26.71 | -18 52.8 | 17.6 | -0.87 | + 4.6 | 0.0/15.0 | 22584 | 4835 T-1 | 94 05 20.1 | 15 46.91 | -43 11.7 | 15.4 | -1.95 | - 9.6 | 12.2/20.6 | 22087 |
| 1985 QM ₅ | 94 05 15.0 | 15 27.04 | -14 52.0 | 17.5 | -0.84 | + 3.2 | 1.3/14.2 | 18426 | (5526) | 94 05 20.4 | 15 48.42 | -14 41.0 | 16.2 | -0.89 | + 6.9 | 1.8/19.3 | 21922 |
| 1990 VL ₈ | 94 05 15.0 | 15 27.07 | -15 30.1 | 17.6 | -0.79 | + 2.6 | 1.0/14.4 | 18299 | 1991 RE ₁₅ | 94 05 20.4 | 15 48.47 | -35 49.7 | 16.1 | -1.23 | + 0.3 | 7.8/22.6 | 19680 |
| 1992 YM | 94 05 15.1 | 15 27.03 | +01 19.2 | 17.0 | -0.94 | + 0.2 | 7.1/11.5 | 22058 | 1977 EL | 94 05 20.6 | 15 48.91 | -07 12.6 | 15.7 | -0.94 | + 1.5 | 6.7/18.4 | 21964 |
| 3290 T-2 | 94 05 15.1 | 15 27.45 | -22 35.4 | 17.3 | -0.85 | + 1.3 | 1.2/15.9 | 22088 | 4193 T-1 | 94 05 20.6 | 15 49.10 | -15 56.6 | 18.9 | -0.99 | + 2.7 | 1.4/19.9 | 22432 |
| 1986 CB | 94 05 15.2 | 15 27.49 | +14 29.9 | 18.9 | -0.95 | + 1.6 | 10.0/08.2 | 22077 | 1978 RY ₆ | 94 05 20.6 | 15 49.32 | -33 42.7 | 17.3 | -0.88 | + 2.2 | 3.9/23.3 | 17815 |
| (5497) | 94 05 15.2 | 15 27.53 | -08 46.6 | 16.6 | -0.77 | + 5.4 | 3.2/12.8 | 21910 | (5493) | 94 05 20.7 | 15 49.47 | -27 07.3 | 15.2 | -1.03 | + 1.6 | 3.4/21.9 | 21781 |
| 1984 SU | 94 05 15.2 | 15 27.54 | -22 08.1 | 18.5 | -1.06 | + 3.8 | 1.2/15.9 | 20012 | 1980 TO ₅ | 94 05 20.7 | 15 49.60 | -16 47.5 | 17.0 | -0.80 | + 4.9 | 1.0/20.1 | 22074 |
| 4068 T-2 | 94 05 15.2 | 15 27.55 | -19 03.7 | 19.7 | -0.93 | + 2.2 | 0.1/15.3 | 22701 | 1991 SO | 94 05 20.7 | 15 49.70 | -21 08.0 | 19.8 | -0.98 | + 1.4 | 0.3/21.0 | 23517 |
| 1991 RN ₁₁ | 94 05 15.2 | 15 27.70 | -14 41.7 | 18.3 | -0.98 | + 3.0 | 1.4/14.4 | 21976 | (5959) | 94 05 20.8 | 15 49.99 | +07 03.5 | 15.4 | -0.76 | + 1.1 | 8.9/15.4 | 23504 |
| 1991 UL ₄ | 94 05 15.3 | 15 28.04 | -16 07.2 | 18.8 | -0.91 | + 2.3 | 0.8/14.8 | 20028 | (5514) | 94 05 20.9 | 15 50.22 | -09 50.9 | 17.5 | -0.91 | + 2.8 | 3.5/19.1 | 21917 |
| 1992 OG | 94 05 15.3 | 15 28.09 | +26 03.6 | 17.2 | -1.11 | + 2.8 | 18.7/02.1 | 22432 | (5498) | 94 05 20.9 | 15 50.48 | -18 15.7 | 17.0 | -1.06 | + 4.4 | 0.8/20.6 | 21911 |
| 1986 RC ₁ | 94 05 15.5 | 15 29.06 | -21 17.6 | 15.8 | -0.95 | + 2.6 | 1.0/16.1 | 20144 | 1985 GK | 94 05 21.0 | 15 50.70 | -08 05.2 | 16.5 | -0.84 | + 6.7 | 4.5/18.3 | 23536 |
| 1981 WA ₁ | 94 05 15.7 | 15 29.40 | -14 38.1 | 16.7 | -0.84 | + 2.8 | 1.4/14.8 | 21968 | 5447 T-2 | 94 05 21.2 | 15 51.52 | -37 25.4 | 16.5 | -1.07 | + 3.0 | 8.8/24.4 | 16589 |
| 1973 SJ ₁ | 94 05 15.8 | 15 29.87 | -15 59.0 | 17.0 | -0.67 | + 2.8 | 0.8/15.2 | 22072 | (5542) | 94 05 21.2 | 15 51.76 | +01 16.1 | 16.6 | -0.92 | + 0.5 | 7.2/17.7 | 22039 |
| 1978 VV ₆ | 94 05 15.8 | 15 30.26 | -19 41.8 | 18.0 | -1.12 | + 2.1 | 0.3/16.0 | 22598 | 1986 GD | 94 05 21.4 | 15 52.50 | -23 48.2 | 16.6 | -1.12 | - 0.5 | 1.6/22.0 | 22271 |
| 1990 SH ₂₈ | 94 05 15.9 | 15 30.59 | -19 24.6 | 17.6 | -0.82 | + 2.8 | 0.1/16.1 | 22082 | 1991 PZ ₁₂ | 94 05 21.8 | 15 54.00 | -29 12.0 | 18.0 | -1.07 | + 3.1 | 3.2/23.4 | 20338 |
| (5531) | 94 05 16.0 | 15 30.62 | -02 04.2 | 17.1 | -0.82 | + 5.3 | 5.9/12.0 | 21924 | 1984 UX ₁ | 94 05 22.2 | 15 55.69 | -24 04.7 | 17.5 | -1.09 | + 0.7 | 1.4/22.8 | 22076 |
| (5628) | 94 05 16.0 | 15 30.70 | -22 48.7 | 16.2 | -0.90 | + 4.0 | 1.3/16.8 | 22395 | 1977 DY ₃ | 94 05 22.2 | 15 55.76 | -21 40.1 | 16.3 | -0.87 | + 1.8 | 0.5/22.5 | 20009 |
| 1990 UY ₃ | 94 05 16.3 | 15 31.77 | -15 41.1 | 17.8 | -0.84 | + 0.9 | 1.0/15.7 | 22054 | 1992 YW ₃ | 94 05 22.4 | 15 56.34 | -11 42.6 | 16.8 | -0.93 | - 0.3 | 2.8/21.3 | 22274 |
| 1220 T-1 | 94 05 16.3 | 15 32.14 | -21 14.3 | 16.9 | -1.01 | + 4.0 | 0.9/16.8 | 22274 | 3266 T-1 | 94 05 22.5 | 15 56.85 | -21 31.6 | 17.8 | -0.84 | + 2.3 | 0.4/22.8 | 22432 |
| 1991 PJ ₁₅ | 94 05 16.5 | 15 32.93 | -13 38.0 | 16.7 | -1.00 | + 2.8 | 2.6/15.5 | 20508 | 1991 TY | 94 05 22.6 | 15 57.05 | +14 15.0 | 19.2 | -1.01 | + 0.6 | 11.9/15.5 | 22594 |
| (5567) | 94 05 16.5 | 15 33.05 | -39 17.2 | 14.6 | -1.17 | - 2.0 | 7.4/19.3 | 22203 | 1993 DT | 94 05 22.7 | 15 57.51 | -32 23.3 | 17.6 | -1.05 | + 3.5 | 4.0/24.9 | 22239 |
| 1985 VL | 94 05 16.6 | 15 32.94 | -09 49.4 | 16.5 | -0.74 | + 6.4 | 2.9/14.3 | 18110 | 1981 EP ₁₃ | 94 05 22.7 | 15 57.68 | -29 29.7 | 16.7 | -1.17 | + 3.9 | 4.2/24.3 | 21966 |
| 1991 PO ₁₀ | 94 05 16.6 | 15 32.97 | -12 28.7 | 15.7 | -0.97 | + 6.4 | 2.8/15.1 | 23538 | 1993 CN | 94 05 22.8 | 15 58.05 | -09 08.8 | 16.6 | -0.83 | + 0.3 | 3.5/21.2 | 23539 |
| 1986 QJ ₁ | 94 05 16.6 | 15 33.26 | +01 31.6 | 17.8 | -0.87 | + 3.7 | 7.5/11.8 | 23236 | 1989 EC ₃ | 94 05 22.8 | 15 58.18 | -09 07.8 | 17.9 | -0.89 | + 4.2 | 4.0/20.8 | 21973 |
| 1988 DD ₃ | 94 05 16.7 | 15 33.41 | -27 15.0 | 17.1 | -0.86 | + 5.1 | 2.7/18.6 | 21971 | 1991 TM | 94 05 22.9 | 15 58.34 | -07 49.2 | 15.7 | -0.94 | + 2.4 | 5.7/20.7 | 22494 |
| 1981 EW ₈ | 94 05 17.0 | 15 34.69 | -17 19.2 | 19.9 | -0.93 | + 4.2 | 0.6/16.6 | 21966 | 1991 PA ₁₁ | 94 05 22.9 | 15 58.50 | -12 28.2 | 16.4 | -1.02 | + 5.1 | 3.3/21.4 | 23538 |
| 1989 PA | 94 05 17.3 | 15 36.06 | -50 49.1 | 16.9 | -1.62 | +10.1 | 13.4/26.4 | 21973 | (5892) | 94 05 23.0 | 15 58.88 | -13 28.5 | 17.7 | -0.99 | + 2.9 | 2.3/21.9 | 23328 |
| 1987 QF ₃ | 94 05 17.3 | 15 36.09 | -09 40.8 | 16.8 | -0.95 | + 3.0 | 4.0/15.5 | 21971 | 1989 DK | 94 05 23.3 | 16 00.01 | -36 11.3 | 16.4 | -1.07 | + 4.8 | 5.5/26.5 | 22080 |
| 1990 FQ ₁ | 94 05 17.3 | 15 36.17 | -03 23.0 | 14.7 | -0.87 | +16.0 | 6.6/12.1 | 23537 | 1993 AB | 94 05 23.3 | 16 00.13 | -16 29.5 | 18.0 | -0.99 | + 0.3 | 1.4/22.8 | 22085 |
| 1980 TQ ₁₄ | 94 05 17.4 | 15 36.28 | -13 33.2 | 17.7 | -0.98 | + 3.4 | 2.1/16.3 | 21966 | 1993 BR ₂ | 94 05 23.4 | 16 00.15 | -27 08.9 | 17.8 | -0.95 | + 2.1 | 2.1/24.5 | 21803 |
| 1987 VB ₁ | 94 05 17.5 | 15 36.80 | -24 46.7 | 18.6 | -1.00 | + 2.1 | 1.7/18.5 | 20501 | (5520) | 94 05 23.5 | 16 00.72 | -30 54.1 | 16.1 | -0.91 | + 3.8 | 3.3/25.5 | 21920 |
| 1991 PK ₁₁ | 94 05 17.5 | 15 36.96 | -29 21.2 | 17.0 | -0.96 | + 3.3 | 3.1/19.6 | 22084 | (5565) | 94 05 23.7 | 16 01.63 | -05 59.3 | 16.8 | -0.82 | + 2.0 | 4.3/21.2 | 22048 |
| 5485 T-2 | 94 05 17.6 | 15 37.32 | -27 47.7 | 17.4 | -1.06 | + 4.3 | 3.2/19.4 | 21604 | 1988 TC ₁ | 94 05 23.8 | 16 02.03 | -26 27.7 | 16.9 | -1.12 | + 1.9 | 2.2/24.7 | 21972 |
| 1991 NB ₄ | 94 05 17.6 | 15 37.39 | -23 02.8 | 16.6 | -1.06 | + 4.8 | 1.4/18.4 | 21578 | 1991 WB | 94 05 23.9 | 16 02.12 | -01 28.7 | 17.7 | -1.01 | - 2.8 | 5.4/21.8 | 21579 |
| 2192 T-3 | 94 05 17.8 | 15 37.79 | -20 29.5 | 19.3 | -1.06 | + 3.9 | 0.4/18.0 | 22088 | (5566) | 94 05 24.2 | 16 03.46 | -18 34.4 | 16.8 | -0.79 | + 2.2 | 0.6/23.9 | 22048 |
| 1991 UA ₂ | 94 05 17.8 | 15 37.89 | -21 02.5 | 16.6 | -0.89 | + 3.1 | 0.6/18.2 | 21976 | 1991 RA ₁₆ | 94 05 24.4 | 16 04.44 | -14 53.7 | 17.0 | -0.91 | + 1.7 | 2.0/23.6 | 22084 |
| 1981 ES ₂₃ | 94 05 17.8 | 15 38.12 | -17 05.0 | 19.2 | -0.94 | + 3.3 | 0.8/17.4 | 21931 | 1984 SQ ₄ | 94 05 24.4 | 16 04.57 | -09 53.7 | 16.5 | -0.76 | + 7.3 | 3.7/22.0 | 21969 |
| 1988 PL | 94 05 18.0 | 15 38.60 | -17 36.3 | 16.8 | -1.08 | + 4.7 | 0.8/17.6 | 21971 | (5956) | 94 05 24.5 | 16 04.69 | -09 54.9 | 16.7 | -0.89 | + 4.2 | 3.5/22.5 | 23504 |
| 1985 TW ₃ | 94 05 18.2 | 15 39.30 | -21 12.9 | 15.4 | -1.18 | + 1.0 | 0.8/18.5 | 19296 | 1983 CQ ₃ | 94 05 24.5 | 16 04.76 | -27 25.7 | 16.9 | -0.93 | + 3.3 | 2.0/25.7 | 23536 |
| 1982 UC ₆ | 94 05 18.2 | 15 39.40 | -24 13.5 | 18.0 | -0.95 | + 3.2 | 1.6/19.1 | 20011 | 1982 FK ₃ | 94 05 24.5 | 16 04.91 | -14 46.8 | 17.3 | -0.99 | + 3.6 | 2.3/23.6 | 16023 |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| (5491) | 94 05 24.7 | 16 05.74 | -29 10.6 | 16.9 | -1.19 | + 2.9 | 3.4/26.1 | 21781 | 6571 P-L | 94 05 29.4 | 16 24.41 | -18 11.6 | 18.0 | -0.83 | + 1.5 | 1.0/28.9 | 21978 |
| 1993 FG ₆ | 94 05 24.7 | 16 05.79 | -22 09.1 | 16.7 | -0.89 | + 1.9 | 0.4/25.0 | 23522 | 1979 MM ₈ | 94 05 29.4 | 16 24.74 | -15 39.1 | 17.3 | -0.98 | + 3.1 | 2.5/28.6 | 22073 |
| 1943 DF | 94 05 24.9 | 16 06.72 | -55 42.3 | 17.3 | -1.86 | + 0.1 | 13.1/31.7 | 22967 | 1982 UX ₅ | 94 05 29.6 | 16 25.34 | -24 16.3 | 17.7 | -0.93 | + 3.1 | 0.9/30.0 | 22697 |
| 1978 UV | 94 05 25.0 | 16 06.95 | -23 41.0 | 17.1 | -0.95 | + 1.2 | 0.8/25.5 | 23535 | 1991 PV ₁₇ | 94 05 29.6 | 16 25.71 | -21 06.3 | 17.9 | -1.06 | + 1.4 | 0.2/29.6 | 20025 |
| 1991 P ₇ | 94 05 25.1 | 16 07.05 | -30 30.3 | 18.2 | -1.18 | + 2.3 | 4.0/26.5 | 23538 | 1983 AA | 94 05 29.7 | 16 25.70 | -51 55.7 | 17.4 | -1.59 | +10.0 | 12.0/06.7 | 21969 |
| 1990 BF ₂ | 94 05 25.1 | 16 07.31 | -18 55.1 | 15.9 | -1.11 | + 0.8 | 0.9/24.9 | 21973 | 1987 VC ₁ | 94 05 29.7 | 16 25.93 | -26 32.5 | 17.1 | -1.03 | + 0.8 | 1.8/30.3 | 22079 |
| 1988 VN ₇ | 94 05 25.3 | 16 07.82 | -21 20.0 | 18.6 | -1.14 | - 0.1 | 0.2/25.4 | 20503 | 1978 RH ₉ | 94 05 29.8 | 16 26.41 | -13 18.9 | 17.3 | -1.02 | + 2.2 | 4.2/28.7 | 22270 |
| 1981 EV ₂₄ | 94 05 25.3 | 16 07.98 | -25 34.2 | 19.8 | -1.01 | + 2.2 | 1.6/26.0 | 21967 | 1969 UP ₁ | 94 05 30.1 | 16 27.32 | -26 40.7 | 16.5 | -1.20 | - 0.2 | 2.2/30.6 | 21963 |
| (5548) | 94 05 25.4 | 16 08.30 | -35 47.5 | 16.5 | -0.97 | + 2.0 | 4.6/27.8 | 22041 | 1990 EU ₄ | 94 05 30.4 | 16 28.56 | -28 52.5 | 17.9 | -1.13 | + 2.4 | 3.1/31.3 | 20637 |
| 1985 QR | 94 05 25.5 | 16 08.74 | -06 19.4 | 17.4 | -0.78 | + 2.2 | 4.3/23.1 | 22076 | 1993 BC | 94 05 30.4 | 16 28.72 | -22 23.5 | 18.0 | -1.04 | + 2.7 | 0.2/30.5 | 22957 |
| (5524) | 94 05 25.5 | 16 08.89 | -11 19.3 | 15.7 | -1.02 | - 0.1 | 4.2/24.4 | 21921 | 1991 SS ₁ | 94 05 30.5 | 16 29.19 | -26 28.9 | 20.4 | -1.16 | + 0.9 | 1.6/31.1 | 20027 |
| (5410) | 94 05 26.0 | 16 10.83 | -15 17.6 | 17.5 | -0.85 | + 2.0 | 1.8/25.2 | 21543 | 1991 FN | 94 05 30.7 | 16 29.79 | -58 27.9 | 16.0 | -2.12 | - 4.9 | 18.1/02.2 | 21576 |
| 1987 YH | 94 05 26.3 | 16 12.03 | -09 06.6 | 17.7 | -0.84 | + 2.1 | 3.6/24.5 | 22079 | (5616) | 94 05 30.7 | 16 29.99 | -20 34.1 | 17.2 | -0.97 | + 1.2 | 0.4/30.6 | 22390 |
| 1991 XR ₁ | 94 05 26.4 | 16 12.48 | -22 46.3 | 17.1 | -0.88 | + 1.8 | 0.5/26.7 | 23134 | 1990 OT ₄ | 94 05 30.8 | 16 30.28 | -00 22.1 | 16.5 | -0.84 | + 1.6 | 9.3/27.6 | 22970 |
| 1978 VG ₁₁ | 94 05 26.5 | 16 12.89 | -21 18.4 | 18.3 | -1.00 | + 0.5 | 0.1/26.6 | 21965 | 1990 VY ₆ | 94 05 30.9 | 16 30.98 | -28 36.6 | 16.0 | -1.10 | - 4.4 | 2.5/31.3 | 22273 |
| 1992 AP ₁ | 94 05 26.5 | 16 13.02 | -21 38.0 | 16.8 | -0.80 | + 2.2 | 0.1/26.7 | 23519 | 1982 UY ₆ | 94 05 31.0 | 16 30.95 | -28 45.5 | 16.3 | -1.10 | - 1.0 | 2.9/31.6 | 21969 |
| 1982 QY ₁ | 94 05 26.5 | 16 13.08 | -21 00.6 | 16.0 | -0.93 | + 4.6 | 0.1/26.6 | 19497 | 1993 FM ₁₉ | 94 05 31.1 | 16 31.47 | -13 51.9 | 17.0 | -0.83 | + 1.0 | 2.3/30.1 | 23523 |
| (5644) | 94 05 26.6 | 16 13.07 | -01 17.2 | 16.9 | -0.74 | + 2.5 | 5.6/23.2 | 22479 | 3105 T-1 | 94 05 31.1 | 16 31.77 | -25 26.9 | 17.4 | -1.03 | + 2.4 | 1.6/31.6 | 21978 |
| 1984 TD | 94 05 26.7 | 16 13.73 | -21 16.2 | 17.9 | -0.79 | + 2.0 | 0.0/26.8 | 23512 | 1991 GB ₁ | 94 05 31.2 | 16 32.31 | -55 15.9 | 15.7 | -2.10 | - 9.9 | 17.3/30.6 | 21975 |
| 1992 WM ₃ | 94 05 26.7 | 16 13.90 | -20 17.8 | 16.1 | -1.14 | + 1.5 | 0.4/26.7 | 21799 | 1991 PY ₁₁ | 94 05 31.3 | 16 32.15 | -16 26.4 | 14.7 | -0.94 | + 5.1 | 2.7/30.4 | 23538 |
| 1990 QV ₄ | 94 05 26.8 | 16 14.16 | -06 50.3 | 17.2 | -0.79 | + 0.9 | 4.2/24.8 | 17214 | (5580) | 94 05 31.3 | 16 32.53 | -29 36.9 | 16.4 | -1.19 | + 0.8 | 3.0/01.2 | 22577 |
| 1988 VO ₅ | 94 05 26.9 | 16 14.68 | -23 08.3 | 16.9 | -1.09 | + 0.3 | 0.7/27.2 | 22080 | 1986 QY | 94 05 31.4 | 16 33.00 | -28 12.7 | 17.4 | -0.98 | + 1.1 | 2.0/01.2 | 22077 |
| 1991 RK ₂ | 94 05 27.0 | 16 14.90 | -09 35.8 | 16.7 | -1.00 | + 2.4 | 4.6/25.3 | 20026 | (5570) | 94 05 31.5 | 16 33.20 | -06 48.1 | 16.3 | -0.75 | + 2.2 | 4.6/29.4 | 22204 |
| 1981 DS ₁ | 94 05 27.1 | 16 15.27 | -31 35.0 | 18.3 | -1.04 | + 4.1 | 3.7/28.9 | 22696 | 1105 T-1 | 94 05 31.6 | 16 33.58 | -12 44.9 | 18.1 | -0.88 | + 2.8 | 3.2/30.4 | 21121 |
| 1990 OB | 94 05 27.3 | 16 15.94 | -03 28.2 | 16.5 | -0.81 | + 4.7 | 5.1/23.8 | 23537 | 1266 T-2 | 94 05 31.7 | 16 33.90 | -33 13.7 | 17.3 | -1.16 | + 1.1 | 4.9/01.9 | 21978 |
| 1983 VS ₁ | 94 05 27.4 | 16 16.76 | -27 12.2 | 18.1 | -1.01 | + 1.5 | 1.9/28.3 | 22599 | 1991 RT ₅ | 94 05 31.8 | 16 34.62 | -30 03.4 | 16.8 | -1.18 | - 1.1 | 3.5/01.5 | 20509 |
| 3271 T-1 | 94 05 27.5 | 16 16.74 | -24 36.1 | 16.9 | -0.95 | + 2.1 | 1.2/28.0 | 22827 | 1988 EC | 94 06 01.0 | 16 35.17 | -59 11.0 | 16.7 | -2.05 | 0.0 | 17.6/04.7 | 22079 |
| 1984 UK ₁ | 94 05 27.5 | 16 16.75 | -19 33.0 | 16.8 | -1.00 | + 3.7 | 0.7/27.2 | 22076 | 4343 T-3 | 94 06 01.3 | 16 36.43 | -04 32.0 | 16.0 | -0.83 | + 2.6 | 7.5/30.1 | 22702 |
| 1991 PC ₆ | 94 05 27.5 | 16 17.04 | -10 40.5 | 18.6 | -1.00 | + 1.3 | 4.0/26.1 | 22083 | 1981 EB ₁₅ | 94 06 01.7 | 16 37.96 | -22 34.1 | 19.1 | -0.98 | + 2.8 | 0.2/01.8 | 22697 |
| 1983 PY | 94 05 27.5 | 16 17.12 | -09 03.9 | 16.0 | -0.95 | + 6.1 | 5.7/25.1 | 23536 | 1993 BM | 94 06 01.9 | 16 38.79 | -35 04.6 | 16.7 | -1.04 | + 2.5 | 4.6/03.6 | 22238 |
| 1973 UC | 94 05 27.6 | 16 17.47 | -29 25.0 | 18.1 | -1.06 | + 0.6 | 2.7/28.6 | 23534 | 1984 SR | 94 06 02.0 | 16 39.42 | -53 31.2 | 18.9 | -1.58 | - 0.4 | 9.6/04.8 | 23536 |
| 1953 TA ₁ | 94 05 27.8 | 16 18.26 | -16 47.6 | 17.5 | -1.07 | + 4.8 | 1.9/27.1 | 22598 | 1991 UG ₃ | 94 06 02.1 | 16 39.68 | -26 52.1 | 17.1 | -1.12 | + 2.3 | 1.9/02.7 | 20028 |
| 2416 T-3 | 94 05 27.9 | 16 18.34 | -22 30.2 | 16.1 | -1.06 | + 3.1 | 0.4/28.1 | 22702 | 1991 RS ₁ | 94 06 02.1 | 16 39.87 | -40 54.3 | 16.5 | -1.17 | + 1.3 | 6.1/04.3 | 22084 |
| 1993 BL ₃ | 94 05 27.9 | 16 18.52 | -22 43.7 | 15.8 | -1.14 | - 0.1 | 0.5/28.1 | 22274 | 4087 P-L | 94 06 02.3 | 16 40.80 | -25 26.5 | 18.0 | -1.05 | + 1.6 | 1.3/02.7 | 22086 |
| 1978 UL ₄ | 94 05 27.9 | 16 18.67 | -11 48.4 | 18.2 | -0.89 | + 5.5 | 3.2/26.2 | 20806 | (5499) | 94 06 02.5 | 16 41.57 | -25 22.2 | 17.1 | -1.13 | + 2.4 | 1.3/02.9 | 21911 |
| 9509 P-L | 94 05 28.2 | 16 19.65 | -04 39.4 | 17.9 | -0.86 | + 6.3 | 7.2/24.6 | 16036 | (5571) | 94 06 02.6 | 16 41.63 | -29 13.9 | 16.3 | -0.90 | + 3.9 | 2.3/03.6 | 22205 |
| 1982 BU | 94 05 28.2 | 16 19.84 | +06 16.0 | 17.4 | -1.09 | - 4.5 | 9.8/26.6 | 22223 | 1981 ER ₂₃ | 94 06 02.7 | 16 42.43 | -21 20.8 | 19.5 | -0.99 | + 1.3 | 0.3/02.7 | 22074 |
| 1985 PL ₁ | 94 05 28.4 | 16 20.75 | -06 37.9 | 17.9 | -0.81 | + 4.4 | 5.1/25.8 | 22698 | 1990 OK ₂ | 94 06 02.8 | 16 42.57 | -20 57.5 | 16.5 | -0.94 | + 0.4 | 0.4/02.7 | 23537 |
| 1985 TA ₂ | 94 05 28.5 | 16 21.20 | -32 27.3 | 16.5 | -0.91 | + 3.0 | 3.3/30.3 | 22824 | 1978 SC ₇ | 94 06 02.9 | 16 43.06 | -40 26.7 | 18.0 | -1.16 | + 0.2 | 5.9/04.7 | 22073 |
| 1991 TG ₂ | 94 05 28.6 | 16 21.32 | -24 47.4 | 18.5 | -1.00 | + 1.0 | 1.0/29.0 | 23518 | 1987 WS ₃ | 94 06 03.0 | 16 43.36 | -19 18.7 | 16.7 | -0.96 | + 5.1 | 1.0/02.6 | 21568 |
| 1991 PF ₁₅ | 94 05 28.6 | 16 21.42 | -23 27.9 | 15.1 | -1.03 | + 4.8 | 1.0/29.0 | 21976 | 1991 UY ₃ | 94 06 03.1 | 16 43.65 | -18 45.7 | 18.8 | -1.00 | + 2.8 | 1.2/02.7 | 19515 |
| 1975 LQ | 94 05 28.6 | 16 21.56 | -11 29.4 | 16.4 | -0.95 | + 3.1 | 4.5/27.1 | 22072 | 1991 PJ ₃ | 94 06 03.3 | 16 44.45 | -30 21.0 | 17.7 | -1.16 | + 1.7 | 3.2/04.1 | 21794 |
| 1978 SH ₃ | 94 05 28.8 | 16 22.10 | -17 45.3 | 16.8 | -1.09 | + 4.2 | 1.6/28.2 | 21964 | 1993 FN ₄₁ | 94 06 03.5 | 16 45.31 | -20 19.4 | 17.3 | -0.82 | + 1.7 | 0.6/03.3 | 23528 |
| (5522) | 94 05 28.8 | 16 22.21 | -22 59.9 | 17.2 | -1.03 | + 2.7 | 0.5/29.1 | 21921 | 1973 SQ ₃ | 94 06 03.5 | 16 45.33 | -12 34.6 | 16.9 | -1.01 | + 3.6 | 4.1/02.2 | 23534 |
| 1971 UQ | 94 05 28.9 | 16 22.50 | -22 53.6 | 17.7 | -1.15 | + 0.9 | 0.6/29.1 | 22696 | 2146 T-1 | 94 06 03.5 | 16 45.38 | -19 51.8 | 16.5 | -0.83 | + 1.5 | 0.8/03.3 | 22087 |
| 1993 DO | 94 05 28.9 | 16 22.58 | -05 49.3 | 17.0 | -0.79 | + 1.8 | 4.7/26.6 | 22274 | 1990 QQ ₁ | 94 06 03.5 | 16 45.41 | -43 13.9 | 18.2 | -1.00 | + 1.3 | 5.3/05.9 | 21974 |
| 1977 DD ₁ | 94 05 29.0 | 16 22.97 | -11 38.8 | 16.6 | -1.07 | + 2.0 | 4.2/27.7 | 22072 | 2181 T-2 | 94 06 03.5 | 16 45.68 | -17 43.6 | 16.5 | -0.92 | + 2.3 | 1.8/03.0 | 16883 |
| 1991 RX ₁₀ | 94 05 29.0 | 16 23.29 | -41 56.1 | 17.8 | -1.29 | - 0.7 | 8.3/31.1 | 22494 | 1981 TJ | 94 06 03.6 | 16 45.86 | -19 54.0 | 16.7 | -0.90 | + 3.0 | 0.9/03.3 | 20497 |
| 1973 UR ₅ | 94 05 29.2 | 16 23.80 | -24 21.9 | 18.6 | -1.08 | + 1.7 | 1.0/29.6 | 21963 | 1990 RD | 94 06 03.7 | 16 46.58 | -11 15.1 | 17.6 | -0.85 | + 2.2 | 3.5/02.4 | 23515 |
| 2763 P-L | 94 05 29.2 | 16 23.87 | -20 01.0 | 19.2 | -0.86 | + 1.5 | 0.5/29.0 | 20514 | 1974 PC | 94 06 03.8 | 16 46.53 | +16 44.7 | 18.2 | -1.09 | - 0.4 | 16.6/27.9 | 18802 |
| 1993 BA ₈ | 94 05 29.3 | 16 24.29 | -18 00.3 | 16.0 | -0.87 | + 2.9 | 1.3/28.8 | 22957 | 1990 OD | 94 06 03.8 | 16 46.55 | -14 10.6 | 14.8 | -0.85 | + 9.9 | 3.8/02.1 | 19027 |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| 1991 GN | 94 06 03.8 | 16 46.79 | +09 02.9 | 15.0 | -1.11 | +12.5 | 14.6/26.8 | 23538 | 1986 PF | 94 06 09.4 | 17 10.08 | -20 55.8 | 15.6 | -0.95 | + 3.5 | 0.8/09.3 | 23536 |
| 1990 RE ₇ | 94 06 03.8 | 16 46.92 | -37 07.7 | 17.8 | -1.00 | + 0.7 | 4.5/05.3 | 23537 | 4274 P-L | 94 06 09.5 | 17 10.51 | -24 25.0 | 18.3 | -1.09 | + 2.4 | 0.6/09.7 | 22701 |
| 2514 P-L | 94 06 04.0 | 16 47.59 | -40 48.6 | 19.6 | -1.20 | - 1.5 | 7.5/05.1 | 22700 | 1167 T-2 | 94 06 09.6 | 17 10.90 | -22 16.9 | 19.1 | -0.95 | + 1.6 | 0.2/09.6 | 21603 |
| (5957) | 94 06 04.0 | 16 47.69 | +12 01.4 | 16.4 | -0.75 | - 0.5 | 11.6/31.2 | 23504 | 1990 TU ₁₀ | 94 06 09.7 | 17 11.26 | -18 27.5 | 16.0 | -0.92 | + 4.0 | 1.8/09.3 | 21974 |
| 1993 FG ₂₀ | 94 06 04.0 | 16 47.78 | -20 41.9 | 17.4 | -0.98 | + 2.5 | 0.6/03.9 | 23524 | 1990 GN | 94 06 09.8 | 17 11.54 | -26 03.9 | 17.5 | -1.12 | + 1.2 | 1.4/10.1 | 18120 |
| (5672) | 94 06 04.1 | 16 48.11 | -04 59.3 | 16.1 | -0.94 | + 2.2 | 7.2/02.2 | 22580 | 1988 SZ ₂ | 94 06 09.8 | 17 11.71 | -20 03.8 | 18.4 | -0.69 | + 0.4 | 0.8/09.7 | 20503 |
| 1607 T-2 | 94 06 04.4 | 16 49.01 | -34 53.4 | 18.4 | -1.20 | + 1.4 | 4.9/05.6 | 21978 | 1991 PS | 94 06 10.3 | 17 13.34 | -25 19.7 | 17.0 | -1.12 | + 2.9 | 0.9/10.5 | 21976 |
| 1987 SG ₂ | 94 06 04.4 | 16 49.43 | -12 06.4 | 17.7 | -0.92 | + 1.7 | 3.5/03.4 | 22078 | (5931) | 94 06 10.5 | 17 14.19 | -02 26.6 | 16.9 | -0.73 | + 2.1 | 5.5/08.7 | 23498 |
| 1981 ES ₃₃ | 94 06 04.6 | 16 49.79 | -32 43.1 | 18.0 | -1.09 | + 2.5 | 4.3/05.7 | 22697 | 1992 WD ₈ | 94 06 10.5 | 17 14.31 | -46 30.9 | 17.4 | -1.45 | + 8.1 | 8.6/14.4 | 22058 |
| 1993 BV ₂ | 94 06 04.7 | 16 50.30 | -25 25.8 | 16.7 | -1.00 | + 2.6 | 1.0/05.1 | 22274 | 1981 TM ₃ | 94 06 10.5 | 17 14.39 | -35 58.6 | 14.8 | -1.16 | - 1.9 | 6.7/10.9 | 22075 |
| 1991 UL ₂ | 94 06 05.0 | 16 51.43 | -17 28.0 | 16.4 | -0.95 | + 0.6 | 1.8/04.6 | 22431 | 1993 FQ ₁₀ | 94 06 10.5 | 17 14.42 | -35 51.7 | 17.2 | -1.00 | - 0.4 | 3.9/11.2 | 23522 |
| 1988 XZ | 94 06 05.1 | 16 51.86 | -22 05.9 | 15.9 | -1.03 | + 3.7 | 0.2/05.1 | 22080 | 1982 FX ₃ | 94 06 10.6 | 17 14.73 | -30 46.5 | 15.8 | -0.91 | + 0.2 | 2.8/11.1 | 22588 |
| 1993 FL ₁₅ | 94 06 05.1 | 16 51.96 | -21 10.7 | 17.0 | -0.85 | + 0.5 | 0.4/05.0 | 23523 | 1980 RC | 94 06 10.6 | 17 14.90 | -06 21.4 | 19.0 | -0.98 | + 1.5 | 5.9/09.3 | 14781 |
| 1977 QD ₂ | 94 06 05.6 | 16 53.92 | -32 45.7 | 17.1 | -1.22 | + 0.8 | 4.5/06.4 | 22073 | 1986 EN | 94 06 10.6 | 17 15.06 | +19 33.9 | 16.4 | -0.88 | - 4.6 | 19.6/13.1 | 23536 |
| 1989 BE ₁ | 94 06 05.6 | 16 54.11 | -19 03.7 | 17.4 | -1.01 | + 0.6 | 1.3/05.4 | 21789 | 1993 BF ₃ | 94 06 10.6 | 17 15.06 | -30 21.2 | 17.5 | -1.07 | + 1.6 | 2.6/11.2 | 21947 |
| 1978 RU | 94 06 05.6 | 16 54.32 | -30 17.4 | 15.8 | -0.96 | - 0.7 | 3.9/06.2 | 21964 | 1991 RF ₁₄ | 94 06 10.7 | 17 15.16 | -11 07.1 | 16.0 | -0.94 | + 4.2 | 5.9/09.4 | 21976 |
| 3422 T-3 | 94 06 05.6 | 16 54.37 | -35 21.5 | 16.2 | -1.09 | - 1.4 | 4.7/06.5 | 22601 | 1990 QK ₇ | 94 06 10.7 | 17 15.25 | -08 21.6 | 17.3 | -0.81 | + 0.4 | 4.5/09.8 | 23515 |
| 1989 RS | 94 06 05.8 | 16 55.09 | -05 20.9 | 16.1 | -0.72 | + 2.3 | 5.0/03.8 | 23537 | 1978 VT ₉ | 94 06 11.0 | 17 16.42 | -26 10.1 | 18.0 | -1.18 | - 1.4 | 1.5/11.1 | 22270 |
| (5444) | 94 06 05.8 | 16 55.10 | -21 26.8 | 16.5 | -1.06 | + 1.5 | 0.4/05.8 | 21556 | 1993 HH ₃ | 94 06 11.1 | 17 16.72 | -20 05.0 | 16.8 | -0.82 | + 0.4 | 0.9/10.9 | 23528 |
| 1972 RX ₁ | 94 06 06.0 | 16 55.73 | -16 26.7 | 17.7 | -1.00 | + 2.0 | 2.2/05.4 | 21963 | 2124 T-2 | 94 06 11.2 | 17 17.42 | -24 16.9 | 18.4 | -1.10 | + 1.7 | 0.5/11.4 | 19690 |
| 1981 ER ₁₈ | 94 06 06.1 | 16 56.09 | -30 31.6 | 18.9 | -1.07 | + 1.6 | 2.8/06.9 | 22429 | (5509) | 94 06 11.4 | 17 17.96 | -18 41.0 | 16.1 | -0.99 | + 1.8 | 2.3/11.1 | 21915 |
| 1989 CF | 94 06 06.3 | 16 57.02 | -03 59.4 | 16.1 | -0.93 | - 2.2 | 7.3/05.5 | 22080 | 1979 MP ₁ | 94 06 11.7 | 17 19.32 | -20 06.5 | 17.5 | -1.02 | + 1.0 | 1.3/11.6 | 22696 |
| 1985 RC ₄ | 94 06 06.4 | 16 57.22 | -18 39.7 | 16.3 | -0.88 | + 1.0 | 1.4/06.0 | 22492 | 1981 EA ₁₉ | 94 06 11.7 | 17 19.36 | -26 59.8 | 18.3 | -1.05 | + 0.7 | 1.4/12.0 | 20329 |
| 1987 QZ ₁ | 94 06 06.5 | 16 57.74 | -30 29.3 | 17.4 | -1.11 | + 2.2 | 2.9/07.3 | 23536 | 1990 WL | 94 06 11.9 | 17 20.35 | -11 55.6 | 17.1 | -0.78 | - 0.1 | 3.2/11.4 | 21975 |
| 1992 WO ₃ | 94 06 06.5 | 16 57.75 | -04 28.1 | 17.6 | -1.01 | + 6.2 | 6.3/04.0 | 22085 | 1991 TT ₁₃ | 94 06 12.0 | 17 20.43 | -28 46.8 | 16.2 | -0.91 | + 4.0 | 1.8/12.6 | 22594 |
| (5968) | 94 06 06.6 | 16 58.07 | +20 18.1 | 15.8 | -1.05 | + 6.6 | 20.8/28.2 | 23506 | 1987 YK | 94 06 12.0 | 17 20.67 | -25 11.4 | 16.2 | -1.06 | - 1.0 | 0.8/12.1 | 22493 |
| 1973 ST ₃ | 94 06 06.6 | 16 58.32 | -31 42.8 | 18.3 | -1.16 | + 1.0 | 3.2/07.4 | 22491 | 1972 HL | 94 06 12.0 | 17 20.71 | -01 34.2 | 15.6 | -0.75 | + 7.1 | 9.1/08.7 | 23534 |
| 1990 OH | 94 06 06.6 | 16 58.37 | -08 46.1 | 16.6 | -0.95 | + 6.8 | 5.6/04.4 | 17446 | 1981 EZ ₂₅ | 94 06 12.3 | 17 22.02 | -51 48.2 | 17.7 | -1.20 | 0.0 | 8.1/13.5 | 19859 |
| 1984 SF ₆ | 94 06 06.7 | 16 58.64 | -20 37.2 | 18.5 | -0.80 | + 0.8 | 0.6/06.6 | 22076 | 1990 VZ | 94 06 12.5 | 17 22.66 | -25 38.3 | 17.4 | -0.86 | + 0.3 | 0.7/12.7 | 22054 |
| 2536 P-L | 94 06 06.9 | 16 59.32 | -34 18.5 | 16.3 | -1.23 | - 1.9 | 5.5/07.4 | 21977 | 1991 GZ ₁ | 94 06 12.6 | 17 23.11 | -51 06.4 | 16.8 | -2.08 | -12.4 | 14.0/09.9 | 21793 |
| 1988 CG ₇ | 94 06 06.9 | 16 59.42 | -16 07.4 | 18.4 | -0.88 | + 3.2 | 2.1/06.2 | 23513 | 1990 EO | 94 06 12.6 | 17 23.12 | -19 40.7 | 15.4 | -1.02 | + 4.9 | 1.7/12.3 | 21974 |
| 1969 TA | 94 06 07.2 | 17 00.66 | -17 37.7 | 15.5 | -1.01 | + 5.5 | 2.3/06.6 | 22072 | 1976 GN ₂ | 94 06 12.6 | 17 23.12 | -00 21.7 | 16.0 | -0.82 | + 1.7 | 9.9/10.8 | 19011 |
| (5474) | 94 06 07.2 | 17 00.83 | -21 06.7 | 15.4 | -1.04 | + 4.2 | 0.7/07.1 | 21774 | 1991 VF ₄ | 94 06 12.7 | 17 23.31 | -21 40.4 | 15.7 | -1.08 | - 2.4 | 0.6/12.7 | 22084 |
| 1985 UG ₂ | 94 06 07.2 | 17 00.95 | -19 32.5 | 16.8 | -1.12 | + 1.4 | 1.3/07.0 | 21970 | 3155 T-2 | 94 06 12.9 | 17 24.27 | -15 24.3 | 17.3 | -0.80 | - 0.1 | 2.3/12.6 | 23534 |
| 1992 BB ₅ | 94 06 07.5 | 17 01.90 | -18 43.7 | 17.3 | -0.79 | + 0.1 | 1.1/07.2 | 21266 | 1981 EX ₂₄ | 94 06 13.2 | 17 25.79 | -21 37.1 | 18.6 | -0.81 | + 0.6 | 0.5/13.2 | 17430 |
| 1990 RE ₅ | 94 06 07.5 | 17 01.93 | -42 17.2 | 15.9 | -1.07 | + 2.2 | 7.1/09.6 | 22273 | 1981 EG ₁₁ | 94 06 13.3 | 17 26.16 | -16 23.8 | 20.3 | -0.97 | + 1.7 | 2.3/13.0 | 23535 |
| 1990 RV | 94 06 07.8 | 17 03.15 | -20 11.1 | 17.2 | -0.83 | + 0.7 | 0.8/07.6 | 21941 | 1991 TH ₂ | 94 06 13.4 | 17 26.22 | -18 56.9 | 17.1 | -1.08 | + 0.8 | 1.7/13.2 | 22273 |
| 1986 TR ₂ | 94 06 07.9 | 17 03.46 | -25 19.6 | 17.6 | -0.96 | - 0.8 | 0.8/08.1 | 23122 | 1976 UD ₄ | 94 06 13.5 | 17 26.98 | -19 20.7 | 17.7 | -1.02 | + 0.9 | 1.4/13.4 | 21964 |
| (5467) | 94 06 07.9 | 17 03.53 | -35 38.3 | 17.3 | -1.04 | + 1.6 | 4.1/09.1 | 21771 | (5576) | 94 06 13.6 | 17 27.07 | -29 56.8 | 16.3 | -1.00 | - 0.3 | 2.3/13.9 | 22207 |
| 2259 T-1 | 94 06 08.0 | 17 03.93 | -18 02.4 | 18.3 | -0.81 | + 0.6 | 1.4/07.7 | 23540 | 1988 CV ₃ | 94 06 13.6 | 17 27.30 | -01 31.8 | 16.1 | -0.86 | + 3.1 | 8.4/11.5 | 21971 |
| (5504) | 94 06 08.2 | 17 04.75 | -29 47.8 | 15.8 | -1.13 | - 4.3 | 2.8/08.3 | 21913 | 1989 AV ₂ | 94 06 13.8 | 17 27.91 | -32 36.5 | 17.3 | -0.60 | + 1.9 | 1.7/14.5 | 21972 |
| 1993 FR ₄₄ | 94 06 08.2 | 17 04.80 | -28 38.4 | 16.4 | -0.87 | + 1.3 | 1.7/08.7 | 23528 | 1990 QU ₅ | 94 06 13.8 | 17 28.10 | -19 18.3 | 15.9 | -0.92 | + 1.3 | 1.6/13.6 | 21974 |
| 1974 SK ₁ | 94 06 08.2 | 17 04.91 | -19 17.9 | 16.7 | -0.97 | + 1.4 | 1.3/08.0 | 22072 | 1989 GS ₄ | 94 06 13.8 | 17 28.33 | -19 06.4 | 16.3 | -0.89 | + 0.8 | 1.8/13.7 | 17961 |
| 1953 GN | 94 06 08.4 | 17 05.61 | -11 23.9 | 16.4 | -1.00 | + 0.9 | 5.6/07.6 | 20803 | 1987 WO ₁ | 94 06 13.9 | 17 28.41 | -18 08.7 | 16.4 | -0.96 | + 3.1 | 2.0/13.5 | 21937 |
| 1983 RQ ₄ | 94 06 08.8 | 17 07.62 | -12 34.0 | 16.7 | -0.97 | + 2.4 | 3.8/07.9 | 21255 | 1988 AV ₁ | 94 06 14.0 | 17 28.71 | -17 36.0 | 18.3 | -0.90 | - 0.8 | 1.7/13.8 | 21971 |
| 4559 P-L | 94 06 08.9 | 17 07.67 | -22 03.7 | 18.4 | -0.83 | + 1.1 | 0.3/08.9 | 23540 | (5394) | 94 06 14.0 | 17 29.15 | -24 44.6 | 16.5 | -1.09 | + 1.3 | 0.6/14.2 | 22476 |
| 1990 DL | 94 06 09.1 | 17 08.37 | -32 23.5 | 16.0 | -1.18 | + 1.9 | 4.3/09.9 | 22082 | 4032 T-3 | 94 06 14.0 | 17 29.18 | -27 01.4 | 17.7 | -1.16 | - 1.1 | 1.6/14.2 | 22495 |
| 1979 MH ₆ | 94 06 09.1 | 17 08.71 | -11 23.8 | 19.2 | -0.84 | - 1.2 | 3.8/08.6 | 15701 | 3336 T-2 | 94 06 14.3 | 17 30.22 | -15 26.4 | 18.3 | -1.05 | + 0.5 | 3.1/14.0 | 22088 |
| 1977 TO ₆ | 94 06 09.2 | 17 09.12 | -21 29.5 | 16.6 | -1.13 | - 2.8 | 0.7/09.2 | 21964 | 1982 BQ ₄ | 94 06 14.4 | 17 30.42 | -22 50.0 | 15.5 | -0.91 | - 2.7 | 0.1/14.4 | 22075 |
| 1981 ER ₂₁ | 94 06 09.3 | 17 09.62 | -14 56.1 | 18.0 | -0.79 | + 0.8 | 2.4/08.8 | 21967 | 1993 FY ₂₂ | 94 06 14.4 | 17 30.53 | -35 13.3 | 18.4 | -0.94 | + 0.4 | 3.5/14.9 | 23524 |
| 1990 DM ₁ | 94 06 09.4 | 17 09.91 | -25 42.1 | 16.0 | -1.14 | + 1.9 | 1.2/09.7 | 22082 | 4843 T-1 | 94 06 14.4 | 17 30.55 | -29 57.2 | 18.3 | -0.92 | - 0.7 | 2.3/14.6 | 21124 |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| 9544 P-L | 94 06 14.4 | 17 30.56 | -14 57.7 | 18.0 | -0.98 | + 0.5 | 3.5/14.1 | 20516 | 1987 YU ₁ | 94 06 20.7 | 17 56.54 | -05 57.2 | 17.9 | -0.51 | + 1.5 | 3.1/20.2 | 16428 |
| 1990 TU | 94 06 14.4 | 17 30.58 | -08 41.3 | 17.1 | -0.81 | + 2.6 | 4.6/13.3 | 22082 | 1993 BP ₁₃ | 94 06 20.7 | 17 56.89 | -23 17.2 | 14.9 | -1.03 | + 4.4 | 0.1/20.8 | 22274 |
| (5490) | 94 06 14.4 | 17 30.80 | -19 34.5 | 16.6 | -1.07 | + 1.8 | 1.5/14.3 | 21780 | (5563) | 94 06 20.8 | 17 57.38 | -29 16.3 | 15.8 | -1.01 | - 2.9 | 2.0/20.7 | 22047 |
| 1983 AC ₁ | 94 06 14.8 | 17 32.08 | +11 47.7 | 17.3 | -1.09 | - 7.1 | 13.3/17.6 | 22075 | 1981 EJ ₉ | 94 06 20.8 | 17 57.45 | -27 54.3 | 19.4 | -1.05 | + 1.2 | 1.7/21.0 | 22429 |
| 4319 P-L | 94 06 14.8 | 17 32.34 | -22 08.2 | 16.7 | -1.06 | + 3.6 | 0.6/14.8 | 19875 | 1978 RK | 94 06 21.0 | 17 58.25 | -49 08.0 | 18.0 | -1.16 | - 0.5 | 7.6/20.7 | 20140 |
| 1990 RM ₁₇ | 94 06 14.8 | 17 32.44 | -38 01.7 | 16.5 | -1.01 | + 0.9 | 4.7/15.5 | 20926 | 1988 VZ ₃ | 94 06 21.1 | 17 58.33 | -23 59.1 | 17.1 | -1.12 | + 2.3 | 0.2/21.1 | 22599 |
| 2288 T-3 | 94 06 14.9 | 17 32.48 | -32 29.5 | 17.8 | -1.21 | + 0.3 | 4.1/15.2 | 19331 | 1991 RA ₁₀ | 94 06 21.4 | 17 59.84 | -22 28.3 | 16.4 | -1.06 | + 3.2 | 0.4/21.4 | 20152 |
| 6581 P-L | 94 06 14.9 | 17 32.80 | -29 19.1 | 17.2 | -0.57 | + 0.4 | 1.1/15.2 | 23135 | 1986 TB ₁₂ | 94 06 21.6 | 18 00.32 | -28 51.1 | 17.3 | -0.98 | + 0.5 | 1.8/21.6 | 23536 |
| 1993 FU ₃₈ | 94 06 15.0 | 17 33.11 | -23 22.2 | 16.4 | -0.85 | - 0.2 | 0.0/15.1 | 23527 | 1987 SD ₄ | 94 06 21.6 | 18 00.69 | -28 59.7 | 15.2 | -1.07 | + 5.1 | 2.8/22.0 | 22078 |
| 1991 RB ₅ | 94 06 15.1 | 17 33.42 | -33 28.7 | 17.6 | -1.18 | + 0.6 | 4.2/15.5 | 22084 | 1986 EF ₅ | 94 06 21.7 | 18 00.88 | -23 07.0 | 16.1 | -1.05 | 0.0 | 0.1/21.7 | 20013 |
| 1993 BL ₁₂ | 94 06 15.1 | 17 33.73 | -24 20.4 | 17.9 | -1.09 | - 0.7 | 0.4/15.2 | 22086 | 1991 UC ₁ | 94 06 21.7 | 18 00.90 | -12 00.2 | 15.9 | -0.92 | + 0.4 | 4.4/21.7 | 22955 |
| 1985 TS ₁ | 94 06 15.2 | 17 34.12 | -26 31.3 | 16.2 | -0.91 | + 3.0 | 1.1/15.5 | 17631 | 1981 QK | 94 06 22.1 | 18 02.40 | -34 35.6 | 16.8 | -1.25 | - 0.7 | 5.3/21.9 | 21968 |
| 2114 T-2 | 94 06 15.5 | 17 34.99 | -17 42.5 | 17.4 | -1.04 | + 0.8 | 2.2/15.3 | 22088 | 5006 T-2 | 94 06 22.4 | 18 03.93 | -30 47.4 | 18.5 | -0.88 | + 1.1 | 2.0/22.5 | 16038 |
| 1990 GE | 94 06 15.5 | 17 35.16 | -35 29.4 | 17.5 | -1.21 | + 0.9 | 5.6/16.1 | 17963 | 1988 CL | 94 06 22.5 | 18 04.50 | -36 31.4 | 17.7 | -1.07 | + 0.8 | 4.0/22.6 | 22079 |
| 6035 P-L | 94 06 15.8 | 17 36.21 | -43 55.8 | 16.7 | -1.16 | - 0.8 | 9.3/16.0 | 22495 | (5607) | 94 06 22.6 | 18 04.62 | -11 33.5 | 16.1 | -0.91 | - 1.2 | 4.5/22.8 | 22219 |
| 1989 CA | 94 06 15.8 | 17 36.33 | -21 08.3 | 17.2 | -1.02 | + 1.0 | 0.8/15.7 | 22080 | 1981 ER ₄₇ | 94 06 22.7 | 18 04.92 | -26 46.7 | 16.7 | -1.07 | - 0.8 | 1.3/22.7 | 23535 |
| 1988 UV | 94 06 15.9 | 17 36.72 | -13 17.9 | 16.9 | -1.05 | + 2.7 | 4.2/15.3 | 17207 | 1973 SA ₂ | 94 06 22.8 | 18 05.50 | -25 02.0 | 17.9 | -0.56 | - 0.7 | 0.3/22.8 | 22072 |
| 1990 SB ₆ | 94 06 15.9 | 17 36.89 | -20 09.9 | 17.7 | -0.88 | - 0.1 | 1.0/15.9 | 23515 | 1982 FP ₃ | 94 06 23.0 | 18 06.17 | -24 51.6 | 16.3 | -0.87 | - 0.8 | 0.5/23.0 | 21968 |
| 1988 BG ₄ | 94 06 16.1 | 17 37.80 | -33 25.7 | 17.2 | -1.08 | + 3.4 | 3.4/16.8 | 19501 | 1993 BN | 94 06 23.2 | 18 07.00 | -34 39.8 | 16.8 | -1.10 | + 2.2 | 4.1/23.5 | 22086 |
| 1981 ES ₁₄ | 94 06 16.3 | 17 38.30 | -27 44.9 | 16.9 | -0.99 | + 2.6 | 2.0/16.6 | 22270 | 1990 VR ₃ | 94 06 23.3 | 18 07.77 | -31 33.5 | 17.1 | -0.89 | - 1.2 | 2.3/23.2 | 21975 |
| 1975 YD | 94 06 16.3 | 17 38.39 | -10 06.0 | 17.3 | -0.92 | + 2.6 | 4.2/15.5 | 22072 | 1990 SM ₉ | 94 06 23.5 | 18 08.53 | -22 04.5 | 16.5 | -0.90 | - 1.0 | 0.5/23.6 | 23537 |
| (5475) | 94 06 16.3 | 17 38.40 | -04 10.8 | 17.2 | -1.37 | -11.5 | 9.0/18.1 | 21774 | 1981 EF ₂₁ | 94 06 23.7 | 18 09.50 | -08 19.4 | 18.9 | -0.92 | - 1.2 | 6.0/24.3 | 22429 |
| (5543) | 94 06 16.4 | 17 38.67 | -19 26.3 | 16.9 | -1.09 | + 0.2 | 1.6/16.3 | 22039 | 1990 QS ₂ | 94 06 23.8 | 18 09.55 | -20 15.6 | 16.4 | -0.88 | - 0.7 | 1.1/23.9 | 22272 |
| 1991 VM ₅ | 94 06 16.4 | 17 38.74 | -26 34.8 | 15.4 | -1.14 | - 3.9 | 1.6/16.3 | 20823 | 1989 AZ ₅ | 94 06 23.8 | 18 09.73 | -21 23.8 | 16.6 | -1.01 | - 1.6 | 0.7/24.0 | 14954 |
| (5618) | 94 06 16.6 | 17 39.69 | -13 11.8 | 17.1 | -1.07 | - 1.3 | 4.2/16.6 | 22391 | 1990 UT ₁₀ | 94 06 23.8 | 18 09.79 | -22 01.9 | 16.9 | -0.87 | - 0.4 | 0.4/23.9 | 22054 |
| 1992 CT ₂ | 94 06 16.8 | 17 40.81 | -20 32.1 | 18.2 | -0.84 | + 1.0 | 0.8/16.8 | 20341 | (5603) | 94 06 23.9 | 18 09.85 | -17 42.0 | 15.7 | -0.68 | 0.0 | 1.5/24.0 | 22217 |
| 2134 T-3 | 94 06 17.2 | 17 42.46 | -33 14.2 | 18.2 | -1.00 | + 0.8 | 3.0/17.6 | 23534 | 1981 RR ₃ | 94 06 24.2 | 18 11.32 | -12 04.3 | 16.1 | -1.04 | - 0.3 | 5.6/24.3 | 21968 |
| 1993 HV ₁ | 94 06 17.3 | 17 42.43 | -55 23.0 | 18.8 | -1.40 | - 5.3 | 11.1/15.3 | 22489 | 1991 UK ₃ | 94 06 24.3 | 18 11.72 | -09 02.9 | 17.4 | -0.79 | + 1.2 | 4.0/24.4 | 22273 |
| (5508) | 94 06 17.4 | 17 43.01 | -30 42.7 | 16.9 | -0.96 | - 0.5 | 2.2/17.6 | 21915 | 1991 CZ | 94 06 24.4 | 18 12.15 | +19 43.9 | 15.7 | -1.11 | - 8.2 | 22.3/01.5 | 23538 |
| 4134 T-3 | 94 06 17.7 | 17 44.10 | -24 49.8 | 18.5 | -0.96 | - 0.6 | 0.5/17.7 | 12802 | 1993 FJ ₁₀ | 94 06 24.5 | 18 12.44 | -25 18.9 | 16.0 | -0.92 | - 1.1 | 0.6/24.5 | 23522 |
| 6792 P-L | 94 06 17.7 | 17 44.42 | -21 53.8 | 17.6 | -0.90 | - 0.8 | 0.5/17.8 | 21978 | 1976 DJ ₁ | 94 06 24.5 | 18 12.50 | -20 25.4 | 17.1 | -0.71 | - 1.4 | 0.8/24.6 | 22681 |
| 1991 UJ ₄ | 94 06 17.8 | 17 44.84 | -26 40.2 | 16.8 | -1.09 | + 0.8 | 1.4/18.0 | 21976 | 1990 OB ₄ | 94 06 24.6 | 18 12.98 | -22 57.9 | 16.7 | -1.06 | + 5.2 | 0.2/24.6 | 22082 |
| 1979 MA ₅ | 94 06 18.0 | 17 45.33 | -21 57.3 | 17.7 | -0.88 | + 2.6 | 0.5/17.9 | 22073 | 1936 UG | 94 06 24.7 | 18 13.29 | -21 20.9 | 17.3 | -0.98 | - 1.6 | 0.7/24.8 | 19671 |
| (5503) | 94 06 18.0 | 17 45.63 | -15 03.9 | 16.8 | -0.96 | - 0.2 | 3.1/18.0 | 21913 | 1993 FA ₂₃ | 94 06 24.8 | 18 13.76 | -16 09.2 | 17.3 | -0.83 | + 0.5 | 2.4/24.9 | 23524 |
| 1984 SA | 94 06 18.0 | 17 45.79 | -20 50.4 | 15.4 | -1.06 | + 5.1 | 1.3/17.9 | 19294 | 1984 SD ₆ | 94 06 24.9 | 18 14.07 | -33 46.0 | 17.7 | -1.22 | - 1.2 | 4.6/24.5 | 21934 |
| 1990 VK ₆ | 94 06 18.2 | 17 46.42 | -05 08.7 | 16.9 | -0.81 | + 2.0 | 6.6/17.3 | 23516 | 1973 SH ₁ | 94 06 24.9 | 18 14.08 | -21 51.0 | 17.0 | -0.54 | - 0.5 | 0.3/25.0 | 21963 |
| 1984 UD ₃ | 94 06 18.4 | 17 46.97 | -14 07.3 | 17.1 | -1.02 | + 1.9 | 3.8/18.0 | 22492 | 2041 P-L | 94 06 24.9 | 18 14.36 | -47 42.7 | 18.1 | -1.27 | - 0.1 | 9.5/24.4 | 22432 |
| 1980 TA ₄ | 94 06 18.7 | 17 48.70 | -33 18.7 | 16.9 | -1.16 | - 0.7 | 4.0/18.8 | 22482 | 1993 FM ₂₃ | 94 06 25.0 | 18 14.68 | -22 27.5 | 18.8 | -0.97 | - 0.1 | 0.3/25.1 | 23525 |
| 1948 AG | 94 06 18.8 | 17 49.03 | -05 55.7 | 17.1 | -1.38 | -16.0 | 8.7/21.6 | 22429 | 1989 VW | 94 06 25.0 | 18 14.71 | -29 12.9 | 17.6 | -0.70 | - 0.8 | 1.3/24.9 | 22431 |
| 1981 WE ₁ | 94 06 18.9 | 17 49.28 | -08 47.7 | 17.3 | -0.90 | + 1.8 | 4.9/18.3 | 21968 | 1988 RV ₁₂ | 94 06 25.1 | 18 15.04 | -02 29.3 | 18.9 | -0.61 | - 0.2 | 4.7/25.7 | 15715 |
| 1991 SJ ₁ | 94 06 18.9 | 17 49.53 | -02 38.4 | 16.5 | -0.87 | - 0.5 | 6.8/19.0 | 22273 | 1970 WD | 94 06 25.2 | 18 15.59 | -19 47.3 | 16.3 | -1.09 | + 3.0 | 1.5/25.2 | 22072 |
| 1991 PK | 94 06 19.1 | 17 50.32 | -18 48.0 | 17.8 | -1.13 | - 0.1 | 2.2/19.1 | 19030 | (5623) | 94 06 25.5 | 18 16.56 | -07 26.6 | 16.0 | -0.81 | - 1.0 | 5.4/26.0 | 22393 |
| 1992 CQ ₂ | 94 06 19.4 | 17 51.48 | -08 46.9 | 16.2 | -0.80 | - 0.8 | 5.0/19.4 | 23538 | 1980 KM | 94 06 25.5 | 18 16.76 | -16 26.5 | 16.6 | -0.90 | + 1.5 | 2.8/25.6 | 21966 |
| 1981 EB ₂₇ | 94 06 19.7 | 17 52.78 | -18 06.5 | 19.5 | -0.97 | - 0.2 | 2.0/19.8 | 22271 | 1986 TR ₄ | 94 06 25.5 | 18 16.79 | -23 11.7 | 16.4 | -1.00 | + 1.1 | 0.1/25.6 | 23536 |
| 1063 T-2 | 94 06 19.8 | 17 52.80 | -20 46.0 | 18.1 | -1.05 | + 0.4 | 1.0/19.8 | 22827 | 1984 DE | 94 06 25.7 | 18 17.68 | -30 33.2 | 16.5 | -1.03 | + 1.1 | 2.5/25.7 | 21969 |
| 1981 EW ₄₅ | 94 06 19.8 | 17 52.93 | -17 16.1 | 18.3 | -0.80 | + 0.7 | 1.9/19.7 | 17628 | 1993 EW | 94 06 26.1 | 18 19.21 | -22 39.0 | 16.3 | -0.87 | - 0.3 | 0.3/26.2 | 22408 |
| 1991 VC ₄ | 94 06 19.9 | 17 53.33 | -10 54.0 | 16.4 | -0.98 | + 2.7 | 4.5/19.4 | 23538 | 1984 QU | 94 06 26.1 | 18 19.43 | -32 33.0 | 18.0 | -1.26 | - 0.5 | 4.1/25.9 | 21256 |
| (5486) | 94 06 20.0 | 17 53.62 | -30 45.8 | 15.0 | -1.07 | - 4.2 | 3.0/19.7 | 21779 | 1981 EX ₄₁ | 94 06 26.3 | 18 19.83 | -21 36.3 | 17.8 | -0.82 | - 0.3 | 0.5/26.4 | 22074 |
| 5016 T-3 | 94 06 20.3 | 17 55.37 | -10 54.8 | 17.0 | -0.89 | - 2.6 | 4.8/20.8 | 21978 | 1991 WC | 94 06 26.4 | 18 20.53 | -24 14.3 | 15.3 | -1.11 | - 2.7 | 0.4/26.4 | 23538 |
| 3453 T-3 | 94 06 20.4 | 17 55.54 | -09 54.1 | 16.9 | -0.91 | + 0.9 | 6.9/20.2 | 21978 | 1993 FE ₂₆ | 94 06 26.4 | 18 20.65 | -12 36.6 | 19.0 | -0.88 | + 0.2 | 3.5/26.7 | 23525 |
| 1987 OC | 94 06 20.5 | 17 55.96 | -26 01.6 | 14.6 | -1.32 | +18.7 | 1.3/21.0 | 21970 | 1979 MM ₅ | 94 06 26.5 | 18 20.64 | -22 18.9 | 16.8 | -1.07 | + 0.2 | 0.4/26.5 | 23535 |