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EDITORIAL NOTICE

The next batch of *Minor Planet Circulars* will be published on or about Sept. 13. No *MPCs* will be issued in August.

The values of mean anomaly for the newly numbered minor planets printed in the May and June batches of the *MPCs* (*MPC* 40675–40679 and 40829–40833) are incorrect. The more complete version of the orbital information contained in *MPO* 1–122 and 823–957 has the correct values, as does the file of orbits used in the Computer Service and Extended Computer Service and in the services on the World Wide Web. For convenience, we are therefore reprinting the correct values in the following two paragraphs.

The correct values of the mean anomaly for the epoch 2000 Feb. 26.0 TT for the orbits in the 2000 May 23 *MPCs* are: (14789), 212.25392; (14790), 225.37943; (14791), 76.21787; (14792), 65.58696; (14793), 174.37053; (14794), 156.74461; (14795), 31.94905; (14796), 355.70917; (14797), 274.51524; (14798), 271.31811; (14799), 309.27342; (14800), 274.45072; (14801), 312.90565; (14802), 208.81292; (14803), 58.02744; (14804), 22.88966; (14805), 119.78194; (14806), 220.75080; (14807), 24.18802; (14808), 203.91971; (14809), 51.63505; (14810), 275.82509; (14811), 284.16433; (14812), 317.94981; (14813), 248.27588; (14814), 70.65826; (14815), 269.47132; (14816), 137.76589; (14817), 339.45198; (14818), 212.34363; (14819), 136.83892; (14820), 188.68758; (14821), 278.06268; (14822), 221.64621; (14823), 43.34544; (14824), 14.63714; (14825), 221.33095; (14826), 272.47022; (14827), 330.29761; (14828), 165.02396; (14829), 276.88115; (14830), 195.12678; (14831), 83.83740; (14832), 173.85791; (14833), 217.53984; (14834), 224.65205; (14835), 174.07114; (14836), 341.10384; (14837), 90.33580; (14838), 107.91329; (14839), 41.44153; (14840), 214.04791; (14841), 44.64938; (14842), 219.17942; (14843), 137.59157; (14844), 82.17279; (14845), 136.85369; (14846), 0.82523; (14847), 91.55230; (14848), 272.62211; (14849), 255.99279; (14850), 105.91275; (14851), 103.00748; (14852), 207.77354; (14853), 195.60345; (14854), 50.02281; (14855), 28.52527; (14856), 25.52763; (14857), 172.63512; (14858), 214.46047; (14859), 223.01393; (14860), 63.70720; (14861), 168.92079; (14862), 79.11948; (14863), 219.39990; (14864), 196.16956; (14865), 22.24938; (14866), 295.23262; (14867), 293.76010; (14868), 357.68293; (14869), 244.72442; (14870), 226.12452; (14871), 256.93982; (14872), 190.02385; (14873), 211.76260; (14874), 304.49729; (14875), 275.51992; (14876), 88.11161; (14877), 273.27200; (14878), 207.22106; (14879), 63.82930; (14880), 160.95041; (14881), 191.17641; (14882), 285.17928; (14883), 168.96820; (14884), 223.56140; (14885), 129.28921; (14886), 81.49740; (14887), 188.79099; (14888), 202.15017; (14889), 204.10134; (14890), 147.04381; (14891), 36.33964; (14892), 242.60116; (14893), 284.36213; (14894), 282.01878; (14895),

167.63730; (14896), 59.70931; (14897), 89.64793; (14898), 330.32656; (14899), 288.82582; (14900), 160.46377; (14901), 296.66572; (14902), 230.24147; (14903), 334.85875; (14904), 98.07761; (14905), 42.56321; (14906), 277.42899; (14907), 287.01127; (14908), 329.86244; (14909), 224.45984; (14910), 90.91961; (14911), 221.89945; (14912), 110.97679; (14913), 25.18079; (14914), 53.55363; (14915), 145.03834; (14916), 136.52338; (14917), 181.54574; (14918), 18.52181; (14919), 336.19459; (14920), 14.88769; (14921), 7.73604; (14922), 211.17288; (14923), 196.47040; (14924), 232.29955; (14925), 249.40782; (14926), 224.31901; (14927), 274.72639; (14928), 215.82741; (14929), 70.23465; (14930), 102.44865; (14931), 107.05527; (14932), 44.14687; (14933), 118.38902; (14934), 321.25280; (14935), 153.69611; (14936), 329.97750; (14937), 276.19765; (14938), 282.02134; (14939), 66.52278; (14940), 104.74735; (14941), 98.64187; (14942), 129.17466; (14943), 347.87899; (14944), 90.96305; (14945), 257.12611; (14946), 64.02923; (14947), 78.60483; (14948), 226.45543; (14949), 289.69517; (14950), 30.12766; (14951), 229.18484; (14952), 292.02050; (14953), 40.75391; (14954), 63.14653; (14955), 67.61584; (14956), 272.02027; (14957), 206.96294; (14958), 285.86466; (14959), 255.22964; (14960), 282.04593; (14961), 280.11894; (14962), 28.46566; (14963), 259.86330; (14964), 332.36654; (14965), 255.76866; (14966), 254.77921; (14967), 193.24465; (14968), 107.11458; (14969), 298.45783; (14970), 295.07594; (14971), 197.82673; (14972), 276.31339; (14973), 87.21390; (14974), 63.36204; (14975), 247.08578; (14976), 171.74331; (14977), 121.36281; (14978), 105.44113; (14979), 58.27752; (14980), 164.07922; (14981), 160.09706; (14982), 273.98323; (14983), 230.14742; (14984), 240.57401; (14985), 158.49004; (14986), 278.35250; (14987), 138.53178; (14988), 176.06728; (14989), 208.09433; (14990), 131.26784; (14991), 237.66292; (14992), 179.94245; (14993), 172.12141; (14994), 28.43991; (14995), 196.62705; (14996), 219.74928; (14997), 303.97409; (14998), 243.26562; (14999), 218.59039; (15000), 346.04561; (15001), 177.78065; (15002), 176.00531; (15003), 261.56824; (15004), 181.10960; (15005), 198.74091; (15006), 130.53121; (15007), 116.86315; (15008), 92.06274; (15009), 127.57034; (15010), 128.42509; (15011), 128.32222; (15012), 175.36708; (15013), 79.71223; (15014), 84.99633; (15015), 42.53606; (15016), 67.03273; (15017), 117.05256; (15018), 101.74529; (15019), 288.63215; (15020), 43.72893; (15021), 105.79743; (15022), 82.84521; (15023), 110.22441; (15024), 93.77382; (15025), 38.18186; (15026), 65.86450; (15027), 0.08032; (15028), 108.92133; (15029), 45.24326; (15030), 65.95304; (15031), 80.86982; (15032), 127.91941; (15033), 37.14322; (15034), 352.57557; (15035), 26.03650; (15036), 73.50015; (15037), 314.53097; (15038), 134.72770; (15039), 114.41640; (15040), 215.28287; (15041), 223.56953; (15042), 112.73156; (15043), 116.71975; (15044), 181.63277; (15045), 260.84698; (15046), 141.44046; (15047), 152.10849; (15048),

124.72167; (15049), 111.10508; (15050), 276.64168; (15051), 154.98012; (15052),
 148.29542; (15053), 347.13319; (15054), 147.70786; (15055), 37.30416; (15056),
 192.20151; (15057), 93.52047; (15058), 134.72323; (15059), 239.73002; (15060),
 130.26566; (15061), 139.10552; (15062), 138.93305; (15063), 227.83708; (15064),
 26.84263; (15065), 173.97774; (15066), 323.28021; (15067), 173.81146; (15068),
 88.89529; (15069), 172.33556; (15070), 204.42369; (15071), 123.70645; (15072),
 230.58398; (15073), 161.80185; (15074), 35.03606; (15075), 181.82115; (15076),
 293.46712; (15077), 61.36144; (15078), 77.20246; (15079), 264.68235; (15080),
 117.39335; (15081), 167.53339; (15082), 292.93188; (15083), 254.49952; (15084),
 201.70701; (15085), 309.42307; (15086), 112.71932; (15087), 74.52991; (15088),
 208.36856; (15089), 271.69478; (15090), 276.03458; (15091), 295.57710; (15092),
 123.26617; (15093), 357.25541; (15094), 55.91646; (15095), 331.48680; (15096),
 70.30837; (15097), 293.19470; (15098), 47.56749; (15099), 36.20631; (15100),
 217.13680; (15101), 319.03843; (15102), 112.47499; (15103), 42.04194; (15104),
 105.04167; (15105), 325.53956; (15106), 35.17787; (15107), 252.81894; (15108),
 206.55661; (15109), 278.21390; (15110), 270.45848; (15111), 104.49071; (15112),
 333.70496; (15113), 295.39117; (15114), 345.32148; (15115), 323.56039; (15116),
 184.21675; (15117), 200.00083; (15118), 76.23847; (15119), 123.87787; (15120),
 324.16764; (15121), 157.00373; (15122), 36.30737; (15123), 325.23846; (15124),
 339.90196; (15125), 144.59321; (15126), 219.26243; (15127), 177.50337; (15128),
 333.05212; (15129), 157.98884; (15130), 1.27913; (15131), 277.66072; (15132),
 93.85901; (15133), 290.21902; (15134), 74.23512; (15135), 267.86267; (15136),
 352.59423; (15137), 305.50170; (15138), 186.66978; (15139), 26.54103; (15140),
 331.29576; (15141), 297.75997; (15142), 295.84340; (15143), 106.37684; (15144),
 290.78879; (15145), 329.06595; (15146), 203.58556; (15147), 204.73272; (15148),
 197.59534; (15149), 13.24153; (15150), 248.29869; (15151), 250.42192; (15152),
 40.35430; (15153), 161.17425; (15154), 298.25433; (15155), 93.08793; (15156),
 215.35837; (15157), 249.91314; (15158), 273.58327; (15159), 197.85603; (15160),
 51.12256; (15161), 243.42712; (15162), 105.58087; (15163), 49.46499; (15164),
 288.20533; (15165), 9.59919; (15166), 245.17643; (15167), 25.78226; (15168),
 284.23380; (15169), 174.01892; (15170), 125.84715; (15171), 264.03141; (15172),
 279.78789; (15173), 181.88662; (15174), 123.53622; (15175), 283.13027; (15176),
 71.93107; (15177), 67.34421; (15178), 238.16894; (15179), 180.26940; (15180),
 213.82942; (15181), 162.36741; (15182), 276.70778; (15183), 31.64714; (15184),
 321.54000; (15185), 254.13846; (15186), 112.47150; (15187), 220.35615; (15188),
 92.55412; (15189), 258.18836; (15190), 274.40576; (15191), 293.75297; (15192),
 352.92034; (15193), 223.13160; (15194), 112.83994; (15195), 212.53839; (15196),
 111.05087; (15197), 316.88775.

The correct values of the mean anomaly for the epoch 2000 Sept. 13.0 TT for
 the orbits in the 2000 June 21 MPCs are: (15198), 315.96760; (15199), 288.79953;
 (15200), 18.57484; (15201), 250.61433; (15202), 239.22183; (15203), 281.30978;
 (15204), 292.16077; (15205), 185.95627; (15206), 54.50514; (15207), 44.67761;
 (15208), 276.29923; (15209), 3.03830; (15210), 296.69798; (15211), 13.98135;
 (15212), 168.96311; (15213), 271.45210; (15214), 16.58773; (15215), 324.73679;
 (15216), 340.56089; (15217), 16.28408; (15218), 261.42781; (15219), 40.55017;
 (15220), 248.57283; (15221), 177.90686; (15222), 148.34302; (15223), 282.75040;
 (15224), 11.87936; (15225), 272.34590; (15226), 351.67160; (15227), 285.84986;
 (15228), 92.58812; (15229), 326.56213; (15230), 222.63238; (15231), 226.77247;
 (15232), 179.02982; (15233), 45.57105; (15234), 304.92850; (15235), 280.16717;
 (15236), 268.90701; (15237), 93.62426; (15238), 77.87833; (15239), 323.58677;
 (15240), 332.48413; (15241), 162.87509; (15242), 156.29863; (15243), 165.59411;
 (15244), 316.69171; (15245), 323.81594; (15246), 191.04562; (15247), 232.55826;
 (15248), 257.03422; (15249), 209.39135; (15250), 8.95944; (15251), 81.22873;

(15252), 335.49247; (15253), 42.80616; (15254), 29.07009; (15255), 273.46266;
 (15256), 221.01524; (15257), 305.92109; (15258), 296.23677; (15259), 218.05738;
 (15260), 349.90840; (15261), 254.30726; (15262), 343.26728; (15263), 140.82196;
 (15264), 149.45995; (15265), 174.86583; (15266), 308.81237; (15267), 239.60706;
 (15268), 291.92204; (15269), 99.06219; (15270), 145.69904; (15271), 88.17406;
 (15272), 48.19809; (15273), 196.74799; (15274), 248.82837; (15275), 342.55169;
 (15276), 353.58701; (15277), 307.60964; (15278), 345.24304; (15279), 207.57415;
 (15280), 168.70768; (15281), 322.48049; (15282), 285.85113; (15283), 170.42030;
 (15284), 201.68134; (15285), 237.92012; (15286), 320.08614; (15287), 312.82433;
 (15288), 284.99381; (15289), 338.25651; (15290), 167.55939; (15291), 198.83644;
 (15292), 226.40371; (15293), 104.32326; (15294), 307.62959; (15295), 47.91071;
 (15296), 77.67858; (15297), 38.47926; (15298), 330.92665; (15299), 196.69956;
 (15300), 237.07240; (15301), 206.39761; (15302), 335.88751; (15303), 242.40257;
 (15304), 220.82904; (15305), 280.81648; (15306), 16.69977; (15307), 57.77031;
 (15308), 325.47768; (15309), 203.05148; (15310), 265.87624; (15311), 338.12141;
 (15312), 56.68836; (15313), 35.88331; (15314), 5.86528; (15315), 316.14730; (15316),
 38.83520; (15317), 15.77896; (15318), 345.21443; (15319), 278.26840; (15320),
 296.13625; (15321), 6.07694; (15322), 218.66492; (15323), 67.83660; (15324),
 95.78337; (15325), 320.18001; (15326), 355.97521; (15327), 243.94030; (15328),
 5.74266; (15329), 44.04381; (15330), 222.40508; (15331), 83.37045; (15332),
 33.78771; (15333), 204.54161; (15334), 316.29642; (15335), 205.35073; (15336),
 205.97960; (15337), 284.12785; (15338), 52.45830; (15339), 216.01281; (15340),
 98.05751; (15341), 64.24858; (15342), 86.99750; (15343), 239.10680; (15344),
 273.55600; (15345), 185.66249; (15346), 271.60017; (15347), 225.73127; (15348),
 299.28850; (15349), 245.24670; (15350), 215.80443; (15351), 194.79334; (15352),
 202.86119; (15353), 265.48561; (15354), 262.07666; (15355), 349.79505; (15356),
 323.54452; (15357), 50.59922; (15358), 74.50345; (15359), 213.09742; (15360),
 52.04645; (15361), 348.52400; (15362), 193.86502; (15363), 327.85290; (15364),
 358.33108; (15365), 255.07758; (15366), 320.03682; (15367), 199.93326; (15368),
 47.77685; (15369), 18.85502; (15370), 263.39507; (15371), 330.30674; (15372),
 207.78115; (15373), 156.05781; (15374), 276.64878; (15375), 342.09540; (15376),
 252.81874; (15377), 287.37152; (15378), 260.50991; (15379), 55.49704; (15380),
 265.30125; (15381), 355.74247; (15382), 84.96501; (15383), 184.28408; (15384),
 189.77433; (15385), 125.59841; (15386), 320.14163; (15387), 338.23792; (15388),
 312.29615; (15389), 337.99786; (15390), 310.53996; (15391), 271.63537; (15392),
 351.68766; (15393), 127.68195; (15394), 304.63831; (15395), 100.01982; (15396),
 238.50539; (15397), 227.91948; (15398), 320.93418; (15399), 24.02829; (15400),
 189.64082; (15401), 292.53037; (15402), 347.94674; (15403), 320.95986; (15404),
 331.91445; (15405), 267.19707; (15406), 46.47391; (15407), 326.94542; (15408),
 321.47210; (15409), 235.40892; (15410), 60.70902; (15411), 251.21392; (15412),
 230.68353; (15413), 168.45060; (15414), 89.35119; (15415), 63.13482; (15416),
 285.90500; (15417), 356.26873; (15418), 96.06246; (15419), 351.07758; (15420),
 122.06824; (15421), 56.31002; (15422), 350.62018; (15423), 212.32040; (15424),
 137.53292; (15425), 79.40220; (15426), 78.66581; (15427), 44.06847; (15428),
 152.20700; (15429), 110.19624; (15430), 19.55312; (15431), 210.76128; (15432),
 75.86739; (15433), 276.99039; (15434), 161.04355; (15435), 205.42308; (15436),
 43.65480; (15437), 47.96496; (15438), 288.78630; (15439), 176.73722; (15440),
 76.64289; (15441), 113.68678; (15442), 46.08024; (15443), 172.31980; (15444),
 156.13506; (15445), 201.53347; (15446), 302.18739; (15447), 34.09962; (15448),
 81.92801; (15449), 65.21499; (15450), 251.35560; (15451), 319.05986; (15452),
 172.57465; (15453), 202.12272; (15454), 31.99140; (15455), 280.61520; (15456),
 130.29336; (15457), 77.52347; (15458), 202.69542; (15459), 102.01798; (15460),
 164.58797; (15461), 171.82813; (15462), 168.61382; (15463), 247.04591; (15464),

275.40555; (15465), 116.13798; (15466), 195.93237; (15467), 167.69089; (15468),
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 56.88657; (15473), 223.05682; (15474), 215.33125; (15475), 236.33024; (15476),
 239.89847; (15477), 129.30471; (15478), 108.44224; (15479), 216.32065; (15480),
 140.23470; (15481), 329.88904; (15482), 97.24913; (15483), 322.79211; (15484),
 228.03866; (15485), 134.44165; (15486), 187.41674; (15487), 15.31665; (15488),
 160.78489; (15489), 199.73084; (15490), 204.17746; (15491), 342.17223; (15492),
 240.21249; (15493), 350.89075; (15494), 267.05793; (15495), 215.16413; (15496),
 138.56313; (15497), 25.64133; (15498), 189.66137; (15499), 189.24910; (15500),
 173.41609; (15501), 63.17850; (15502), 211.23731; (15503), 176.47937; (15504),
 26.43442; (15505), 142.78957; (15506), 183.47102; (15507), 308.19973; (15508),
 63.76206; (15509), 290.06274; (15510), 10.11434; (15511), 132.53165; (15512),
 100.41174; (15513), 174.72130; (15514), 337.79113; (15515), 163.73343; (15516),
 202.40079; (15517), 220.63368; (15518), 36.58924; (15519), 79.34324; (15520),
 291.96366; (15521), 308.87301; (15522), 141.89604; (15523), 109.20376; (15524),
 292.02311; (15525), 273.62684; (15526), 8.50217; (15527), 135.62980; (15528),
 184.01617; (15529), 234.06832; (15530), 107.88980; (15531), 123.83305; (15532),
 234.67720; (15533), 340.52694; (15534), 1.55943; (15535), 24.35864; (15536),
 32.46836; (15537), 114.46507; (15538), 181.47751; (15539), 28.44371; (15540),
 305.84802; (15541), 83.75256; (15542), 91.09100; (15543), 113.51469; (15544),
 168.87777; (15545), 79.86447; (15546), 292.70510; (15547), 291.69367; (15548),
 7.49228; (15549), 328.68800; (15550), 273.84190; (15551), 321.41023; (15552),
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 308.11455; (15565), 278.45642; (15566), 196.04553; (15567), 310.42196; (15568),
 89.34185; (15569), 286.83608; (15570), 240.11357; (15571), 198.46045; (15572),
 318.84529; (15573), 138.33561; (15574), 206.00490; (15575), 264.17197; (15576),
 332.19715; (15577), 33.27415; (15578), 236.68135; (15579), 151.65110; (15580),
 124.53851; (15581), 17.04946; (15582), 195.33844; (15583), 271.59479; (15584),
 74.28033; (15585), 321.89947; (15586), 292.49865; (15587), 315.93813; (15588),
 346.69686; (15589), 131.05000; (15590), 330.59501; (15591), 187.80821; (15592),
 109.53170; (15593), 99.86781; (15594), 210.94332; (15595), 315.80601; (15596),
 352.94840; (15597), 184.72971; (15598), 67.58112; (15599), 145.86866; (15600),
 277.59911; (15601), 83.62027; (15602), 128.01269; (15603), 330.00858; (15604),
 347.94111; (15605), 352.34476; (15606), 333.27791; (15607), 238.88101; (15608),
 65.45861; (15609), 351.19306; (15610), 39.97254; (15611), 4.10650; (15612), 14.31331;
 (15613), 103.13517; (15614), 317.56811; (15615), 298.54163; (15616), 7.64267;
 (15617), 333.63696; (15618), 46.23495; (15619), 304.88691; (15620), 94.95590;
 (15621), 356.35812; (15622), 44.47775; (15623), 241.33017; (15624), 54.53758;
 (15625), 290.94254; (15626), 164.27397; (15627), 335.07923; (15628), 345.20780;
 (15629), 21.88199; (15630), 130.05698; (15631), 144.12800; (15632), 119.18208;
 (15633), 34.93839; (15634), 52.88625; (15635), 325.73810; (15636), 73.95187; (15637),
 11.71228; (15638), 286.72948; (15639), 37.25846; (15640), 283.53366; (15641),
 16.40202; (15642), 304.29951; (15643), 231.92149; (15644), 123.74802; (15645),
 305.90063; (15646), 275.64318; (15647), 244.45605; (15648), 153.98756; (15649),
 72.10988; (15650), 39.73416; (15651), 74.67245; (15652), 107.11288; (15653),
 189.75854; (15654), 46.84084; (15655), 246.82814; (15656), 319.54033; (15657),
 261.04931; (15658), 113.76468; (15659), 298.86423; (15660), 247.75488; (15661),
 319.09943; (15662), 142.35685; (15663), 85.63540; (15664), 191.21530; (15665),
 300.19418; (15666), 186.25033; (15667), 132.23256; (15668), 66.40331.

ERRATA

<i>MPC</i>	Line	
26386	-15	For Z. Vávrová read A. Mrkos
34673	17	The erratum for <i>MPC</i> 34624 line -24 should be removed; discoverer A. Mrkos for (6779) Perrine is correct.
39654	3	For V. J. Judovich read V. I. Yudovich
39654	10	For V. J. Judovich read V. I. Yudovich
39654	29	For V. J. Judovich read V. I. Yudovich
40701	-18	For chemistry read medicine

NEW OBSERVATORY CODES

The following listing is a continuation to that on *MPC* 40735. The longitudes λ are measured in degrees eastward from Greenwich, and the parallax constants $\rho \cos \phi'$ and $\rho \sin \phi'$ are the product of the geocentric distance (in earth equatorial radii) and the cosine and sine, respectively, of the geocentric latitude.

Obs.	λ	$\rho \cos \phi'$	$\rho \sin \phi'$	
912	288.2342	0.74769	+0.66186	Carbuncle Hill Observatory, Greene
913	303.8161	0.82093	-0.56912	Observatorio Kappa Crucis, Montevideo
914	288.0108	0.73809	+0.67254	Underwood Observatory, Hubbardston
915	261.8789	0.86861	+0.49393	River Oaks Observatory, New Braunfels

CORRECTED OBSERVATIONS

The following observations correct those previously published.

Object	Date	UT	α_{2000}	δ_{2000}	Reference	Mag.	N Obs.
1995 UR ₄₇	1995 10 21.74271	00 13 20.94	+15 24 40.3	<i>MPC</i> 26012	19.0	V	104
1999 TW ₉	1951 11 28.21527	02 49 04.73	+19 56 12.3	<i>MPS</i> 9940			1 261
1999 TW ₉	1951 11 28.25000	02 49 03.28	+19 56 03.1	<i>MPS</i> 9940			1 261
2000 BM ₁₅ *	2000 01 28.02975	08 06 39.89	+12 56 32.4	<i>MPS</i> 10280	18.8		2 461
2000 BM ₁₅	2000 01 28.03310	08 06 39.71	+12 56 32.9	<i>MPS</i> 10280			2 461
2000 BM ₁₅	2000 01 28.03618	08 06 39.60	+12 56 33.4	<i>MPS</i> 10280			2 461
2000 LF ₃	2000 06 11.393451	13 13 47.28	+22 10 58.1	<i>MPS</i> 16017	18.9	R	413
2000 LF ₃	2000 06 11.394990	13 13 45.84	+22 10 55.7	<i>MPS</i> 16017	18.9	R	413
2000 LF ₃	2000 06 11.396534	13 13 44.35	+22 10 52.6	<i>MPS</i> 16017	18.9	R	413
2000 LF ₃	2000 06 12.405691	12 57 13.05	+21 35 46.5	<i>MPS</i> 16017	18.5	R	413
2000 LF ₃	2000 06 12.407485	12 57 11.07	+21 35 43.7	<i>MPS</i> 16017			413
2000 LF ₃	2000 06 12.408965	12 57 09.48	+21 35 38.8	<i>MPS</i> 16017			413
2000 LF ₃	2000 06 13.405920	12 38 17.46	+20 47 13.9	<i>MPS</i> 16017			413
2000 LF ₃	2000 06 13.407365	12 38 15.74	+20 47 08.5	<i>MPS</i> 16017	18.0	R	413
2000 LF ₃	2000 06 13.409554	12 38 12.97	+20 47 01.0	<i>MPS</i> 16017			413
2000 LF ₃	2000 06 13.411102	12 38 11.00	+20 46 56.7	<i>MPS</i> 16017			413
2000 LF ₃	2000 06 14.400606	12 16 36.08	+19 40 59.8	<i>MPS</i> 16017			413
2000 LF ₃	2000 06 14.402037	12 16 33.99	+19 40 53.5	<i>MPS</i> 16017			413
2000 LF ₃	2000 06 14.403588	12 16 31.78	+19 40 45.7	<i>MPS</i> 16017			413
2000 LF ₃	2000 06 14.405023	12 16 29.67	+19 40 38.5	<i>MPS</i> 16017			413
2000 LF ₃	2000 06 15.364875	11 52 36.79	+18 14 59.2	<i>MPS</i> 16017	19.2	R	413
(1866)	1955 01 26.45069	11 40 46.07	+74 02 58.5	<i>MPC</i> 8356			675
(1866)	1955 01 26.48194	11 40 40.92	+74 03 28.3	<i>MPC</i> 8356			675

Note 1: observatory code given originally as 413. 2: time corrected by -1 hour.

DELETED OBSERVATIONS

The following observations are to be deleted.

Object	Date	UT	α_{2000}	δ_{2000}	Reference	Obs.
1999 TN ₁₂₄	1999 10 20.24521	01 43 55.91	+09 56 09.7	MPS 15330	704	
1999 TN ₁₂₄	1999 10 20.26100	01 43 55.40	+09 56 06.8	MPS 15330	704	
1999 TN ₁₂₄	1999 10 20.27670	01 43 54.88	+09 56 06.1	MPS 15330	704	
1999 TN ₁₂₄	1999 10 20.29239	01 43 54.41	+09 56 03.4	MPS 15330	704	
1999 TN ₁₂₄	1999 10 20.30807	01 43 53.86	+09 56 00.7	MPS 15330	704	
2000 AE ₂₀₉	2000 01 04.50023	09 22 10.77	+16 26 44.3	MPS 15678	691	
2000 EF ₁₆₆	* 2000 03 04.16832	09 44 53.37	+19 59 15.2	MPS 12529	704	
2000 EF ₁₆₆	2000 03 04.19531	09 44 52.19	+19 59 18.4	MPS 12529	704	
2000 EF ₁₆₆	2000 03 04.20874	09 44 51.68	+19 59 18.4	MPS 12529	704	
2000 EF ₁₆₆	2000 03 04.22218	09 44 50.97	+19 59 20.5	MPS 12529	704	
2000 EF ₁₆₆	2000 03 04.32991	09 44 45.86	+19 59 26.5	MPS 12529	704	
2000 EF ₁₆₆	2000 03 04.34315	09 44 45.32	+19 59 28.9	MPS 12529	704	
2000 EF ₁₆₆	2000 03 04.35639	09 44 44.70	+19 59 28.1	MPS 12529	704	
2000 EF ₁₆₆	2000 03 05.11301	09 44 10.85	+20 00 10.7	MPS 12529	704	
2000 EF ₁₆₆	2000 03 05.12630	09 44 10.37	+20 00 13.3	MPS 12529	704	
2000 EF ₁₆₆	2000 03 05.13958	09 44 09.62	+20 00 13.0	MPS 12530	704	
2000 EF ₁₆₆	2000 03 05.15287	09 44 09.08	+20 00 14.6	MPS 12530	704	
2000 GS ₁₃₁	2000 04 07.49107	15 33 23.64	-07 48 55.4	MPS 15778	691	

IDENTIFICATION CHANGES

Continuation to MPC 40735.

Object	Date	UT	α_{2000}	δ_{2000}	Originally	Mag.	N Obs.
1970 TH	* 1970 10 01.91219	00 42 50.24	+11 36 19.1	1970 SL	17.0	095	
1978 JA ₄	* 1978 05 05.87200	13 38 50.52	-08 03 27.9	1978 GY ₃	17.0	095	
1978 TV ₉	* 1978 10 08.85938	23 43 43.59	-04 06 11.1	1978 TN ₁	16.8	095	
1987 DE ₇	* 1987 02 23.02153	10 31 55.72	+15 00 51.8	1987 DB ₁		010	
1987 DE ₇	1987 02 23.05278	10 31 53.78	+15 00 56.2	1987 DB ₁		010	
1987 QA ₁₃	* 1987 08 27.94465	23 03 22.38	+01 28 22.7	1987 SR ₄	16.5 V	095	
1987 QA ₁₃	1987 09 02.90625	22 56 58.74	+01 19 05.1	1987 SR ₄	16.5 V	095	
1987 UA ₁₀	* 1987 10 27.93446	02 44 45.21	+17 34 47.8	1987 UH ₅	16.5	095	
1988 VK ₁₄	* 1988 11 12.92436	02 54 50.57	+14 45 27.8	1988 VZ ₅		046	
1988 VK ₁₄	1988 11 12.93709	02 54 50.15	+14 45 26.0	1988 VZ ₅		046	
1989 AK ₁₀	* 1989 01 15.76319	08 34 03.48	+25 24 10.1	1989 AO ₁	18	372	
1989 AK ₁₀	1989 01 15.77361	08 34 02.91	+25 24 12.8	1989 AO ₁		372	
1990 SA ₃₀	* 1990 09 26.67552	00 51 02.01	+06 06 58.7	1990 SU ₃	17.5	372	
1990 SB ₃₀	* 1990 09 26.67552	00 51 21.92	+06 14 39.7	1990 ST ₃	18	372	
1990 SC ₃₀	* 1990 09 20.34366	23 57 46.06	-10 15 50.8	1990 SM ₁₀	17.0	675	
1990 SC ₃₀	1990 09 20.37373	23 57 44.23	-10 15 52.7	1990 SM ₁₀		675	
1991 FY ₆	* 1991 03 17.11979	09 43 27.58	+15 19 36.6	1991 ER ₅		809	
1991 FY ₆	1991 03 17.13438	09 43 26.97	+15 19 38.6	1991 ER ₅		809	
1991 FY ₆	1991 03 17.14896	09 43 26.35	+15 19 40.7	1991 ER ₅		809	
1991 PB ₃₂	* 1991 08 14.20625	22 00 35.25	-18 35 41.1	1991 PP ₇		809	
1991 PB ₃₂	1991 08 14.21944	22 00 34.50	-18 35 47.0	1991 PP ₇		809	
1991 PB ₃₂	1991 08 14.23264	22 00 33.84	-18 35 51.9	1991 PP ₇		809	
1991 RC ₄₂	* 1991 09 12.27431	22 12 36.84	-08 34 54.2	1991 PA ₁₃	17.8	675	
1991 RC ₄₂	1991 09 12.31458	22 12 34.84	-08 34 56.6	1991 PA ₁₃		675	
1991 RD ₄₂	* 1991 09 12.27431	22 13 54.69	-08 25 48.7	1991 PE ₁₃	17.5	675	

1991 RD ₄₂	1991 09 12.31458	22 13 52.85	-08 25 52.2	1991 PE ₁₃		675
1993 HC ₉	* 1993 04 16.57641	12 51 53.31	-07 46 20.6	1993 FY ₂₃	17.9	413
1993 OE ₁₄	* 1993 07 24.16042	19 40 35.96	-22 57 57.4	1993 OH ₈		809
1993 RE ₂₁	* 1993 09 10.32413	22 14 30.82	-08 02 26.9	1993 PB ₆	18.4 V	691
1993 RE ₂₁	1993 09 10.33220	22 14 30.46	-08 02 29.7	1993 PB ₆		691
1993 RE ₂₁	1993 09 10.34115	22 14 30.08	-08 02 33.2	1993 PB ₆		691
1993 TQ ₄₈	* 1993 10 11.11319	01 14 42.53	+03 08 13.1	1993 TO ₄₅		809
1993 TQ ₄₈	1993 10 11.12639	01 14 42.06	+03 08 13.4	1993 TO ₄₅		809
1993 TQ ₄₈	1993 10 11.13958	01 14 41.34	+03 08 14.9	1993 TO ₄₅		809
1994 BT ₅	* 1994 01 17.93194	08 00 43.79	+14 11 33.4	1994 BC ₃	18.5	010
1994 BT ₅	1994 01 17.94378	08 00 43.16	+14 11 33.9	1994 BC ₃		010
1994 BT ₅	1994 01 17.95453	08 00 42.48	+14 11 34.0	1994 BC ₃		010
1995 SO ₅₅	* 1995 09 24.59560	22 23 22.26	-10 11 38.5	1995 SJ ₂	17	905
1995 SO ₅₅	1995 09 24.61163	22 23 21.82	-10 11 44.0	1995 SJ ₂		905
1996 FC ₂₄	* 1996 03 24.21944	14 25 18.43	-14 05 38.4	1996 GT ₁₇	18.6	809
1996 FC ₂₄	1996 03 24.23125	14 25 18.13	-14 05 36.2	1996 GT ₁₇		809
1996 FC ₂₄	1996 03 24.24306	14 25 17.87	-14 05 33.9	1996 GT ₁₇		809
1996 KU ₉	* 1996 05 23.18681	14 48 51.90	-13 27 18.7	1996 KK ₉	18.6	809
1996 KU ₉	1996 05 23.20000	14 48 51.30	-13 27 16.8	1996 KK ₉		809
1996 KU ₉	1996 05 23.21319	14 48 50.73	-13 27 15.0	1996 KK ₉		809
1996 PY ₉	* 1996 08 09.23889	21 52 49.28	-13 03 40.3	1996 PV ₈	19.0	809
1996 PY ₉	1996 08 09.25208	21 52 48.69	-13 03 43.4	1996 PV ₈		809
1996 PY ₉	1996 08 09.26528	21 52 48.00	-13 03 45.8	1996 PV ₈		809
1996 VC ₄₁	* 1996 11 15.90203	03 11 05.73	+15 48 37.8	1996 VH ₄₀	16.5	095
1996 VC ₄₁	1996 11 15.90898	03 11 05.38	+15 48 36.9	1996 VH ₄₀	16.5	095
1996 VD ₄₁	* 1996 11 15.90203	03 16 45.88	+15 47 00.9	1996 VO ₄₀	17.0	095
1997 CE ₃₀	* 1997 02 11.41044	10 25 55.02	+11 03 04.0	1997 CR ₁₇	19.8 V	691
1997 CE ₃₀	1997 02 11.43206	10 25 53.94	+11 03 13.4	1997 CR ₁₇	19.7 V	691
1997 CE ₃₀	1997 02 11.45776	10 25 52.65	+11 03 24.5	1997 CR ₁₇	19.7 V	691
1997 SP ₃₅	* 1997 09 23.66939	22 40 56.94	-08 17 18.1	1997 RZ ₉	19.0	327
1997 SP ₃₅	1997 09 23.67902	22 40 56.46	-08 17 22.7	1997 RZ ₉		327
1997 SP ₃₅	1997 09 23.68878	22 40 56.06	-08 17 26.3	1997 RZ ₉		327
1997 SQ ₃₅	* 1997 09 26.79240	01 18 24.68	+02 45 47.2	1997 RF ₁₀	19.5	327
1997 SQ ₃₅	1997 09 26.79672	01 18 24.55	+02 45 45.4	1997 RF ₁₀		327
1997 SQ ₃₅	1997 09 26.80106	01 18 24.34	+02 45 44.0	1997 RF ₁₀		327
1997 SQ ₃₅	1997 09 26.80574	01 18 24.06	+02 45 43.5	1997 RF ₁₀		327
1997 XZ ₁₃	* 1997 12 08.61571	03 47 14.81	+23 32 38.0	1997 XW ₉	18.0	327
1997 XZ ₁₃	1997 12 08.62003	03 47 14.58	+23 32 37.0	1997 XW ₉		327
1997 XZ ₁₃	1997 12 08.62436	03 47 14.31	+23 32 35.0	1997 XW ₉		327
1998 EV ₂₁	* 1998 03 01.74807	10 35 56.59	+07 13 30.1	1998 DD ₃₂	19.3	327
1998 EV ₂₁	1998 03 01.75763	10 35 55.97	+07 13 33.0	1998 DD ₃₂		327
1998 EV ₂₁	1998 03 01.76704	10 35 55.38	+07 13 35.1	1998 DD ₃₂		327
1998 FB ₁₄₅	* 1998 03 22.17158	11 46 20.87	-01 54 23.4	1998 FS ₄₁	19.0	704
1998 FB ₁₄₅	1998 03 22.19168	11 46 19.88	-01 54 14.9	1998 FS ₄₁	18.9	704
1998 FB ₁₄₅	1998 03 22.21254	11 46 18.75	-01 54 03.2	1998 FS ₄₁	18.7	704
1998 FB ₁₄₅	1998 03 22.23262	11 46 17.59	-01 53 57.9	1998 FS ₄₁	18.0	704
1998 FC ₁₄₅	* 1998 03 22.24231	12 31 49.27	-00 47 28.8	1998 FP ₅₆	19.3	704
1998 FC ₁₄₅	1998 03 22.26239	12 31 48.14	-00 47 17.7	1998 FP ₅₆	19.9	704
1998 FC ₁₄₅	1998 03 22.28271	12 31 46.88	-00 47 10.2	1998 FP ₅₆	19.8	704
1998 FC ₁₄₅	1998 03 22.30280	12 31 45.67	-00 46 56.7	1998 FP ₅₆	20.2	704
1998 KK ₆₆	* 1998 05 22.36880	15 02 56.75	-14 43 30.7	1998 KG ₁	18.3 R	699
1998 KK ₆₆	1998 05 22.37873	15 02 56.09	-14 43 30.7	1998 KG ₁		699
1998 KK ₆₆	1998 05 22.38866	15 02 55.64	-14 43 28.5	1998 KG ₁		699

1998 MP ₄₈	* 1998 06 27.27431	19 47 41.86	-19 20 25.2	1998 MX ₄₂	809	1999 VC ₂₁₄	1999 11 09.15921	01 28 26.96	+09 34 17.3	1999 TP ₂₁₈	19.9	704
1998 MP ₄₈	1998 06 27.28750	19 47 41.27	-19 20 32.0	1998 MX ₄₂	809	1999 VC ₂₁₄	1999 11 09.17360	01 28 26.54	+09 34 13.3	1999 TP ₂₁₈	19.6	704
1998 MP ₄₈	1998 06 27.30069	19 47 40.71	-19 20 36.9	1998 MX ₄₂	809	1999 VC ₂₁₄	1999 11 09.18797	01 28 25.89	+09 34 08.7	1999 TP ₂₁₈	19.9	704
1998 SB ₁₆₆	* 1998 09 18.31676	23 51 41.83	-07 50 39.4	1998 RD ₅₂	18.8	1999 VC ₂₁₄	1999 11 12.21377	01 26 40.97	+09 20 03.2	1999 TP ₂₁₈	19.6	704
1998 SB ₁₆₆	1998 09 18.32970	23 51 41.06	-07 50 44.0	1998 RD ₅₂	18.8	1999 VC ₂₁₄	1999 11 12.22967	01 26 40.45	+09 19 58.1	1999 TP ₂₁₈	20.1	704
1998 SB ₁₆₆	1998 09 18.34281	23 51 40.39	-07 50 48.3	1998 RD ₅₂	19.0	1999 VC ₂₁₄	1999 11 12.24462	01 26 39.94	+09 19 53.4	1999 TP ₂₁₈	19.9	704
1998 SB ₁₆₆	1998 09 18.35602	23 51 39.53	-07 50 52.6	1998 RD ₅₂	19.0	1999 VC ₂₁₄	1999 11 12.25925	01 26 39.53	+09 19 50.7	1999 TP ₂₁₈	19.4	704
1998 SB ₁₆₆	1998 09 18.36902	23 51 38.90	-07 50 58.9	1998 RD ₅₂	19.3	1999 VC ₂₁₄	1999 11 12.27368	01 26 38.94	+09 19 45.3	1999 TP ₂₁₈	19.6	704
1998 SC ₁₆₆	* 1998 09 18.31676	23 51 51.12	-07 50 18.5	1998 RC ₆₃	18.8	1999 WT ₂₀	* 1999 11 16.22159	03 37 55.03	+24 40 48.7	1999 XM ₁₁₈	18.0	704
1998 SC ₁₆₆	1998 09 18.32970	23 51 50.51	-07 50 22.9	1998 RC ₆₃	19.3	1999 WT ₂₀	1999 11 16.23585	03 37 54.22	+24 40 43.1	1999 XM ₁₁₈	18.4	704
1998 SC ₁₆₆	1998 09 18.34281	23 51 49.90	-07 50 27.3	1998 RC ₆₃	19.3	1999 WT ₂₀	1999 11 16.25010	03 37 53.33	+24 40 36.8	1999 XM ₁₁₈	18.1	704
1998 SC ₁₆₆	1998 09 18.35602	23 51 49.00	-07 50 31.9	1998 RC ₆₃	19.5	1999 WT ₂₀	1999 11 16.26434	03 37 52.48	+24 40 31.6	1999 XM ₁₁₈	18.2	704
1998 SD ₁₆₆	* 1998 09 22.23515	23 01 00.10	-19 14 31.9	1998 QD ₅₄	17.7 R	1999 WT ₂₀	1999 11 16.27862	03 37 51.68	+24 40 25.9	1999 XM ₁₁₈	18.3	704
1998 SD ₁₆₆	1998 09 22.25995	23 00 59.16	-19 14 45.1	1998 QD ₅₄	699	1999 XZ ₂₄₂	* 1999 12 13.22881	03 26 42.59	+20 33 47.2	1999 XV ₁₁₈	18.9 R	703
1998 SD ₁₆₆	1998 09 22.28406	23 00 58.29	-19 14 58.5	1998 QD ₅₄	699	1999 XZ ₂₄₂	1999 12 13.24100	03 26 42.06	+20 33 44.7	1999 XV ₁₁₈	19.1 R	703
1998 UY ₄₇	* 1998 10 19.22986	02 56 16.20	+09 39 32.0	1998 UU ₂₅	809	1999 XZ ₂₄₂	1999 12 13.25320	03 26 41.56	+20 33 46.0	1999 XV ₁₁₈	19.2 R	703
1998 UY ₄₇	1998 10 19.24306	02 56 15.47	+09 39 30.9	1998 UU ₂₅	809	1999 XZ ₂₄₂	1999 12 13.26535	03 26 41.04	+20 33 45.1	1999 XV ₁₁₈	18.7 R	703
1998 UY ₄₇	1998 10 19.25625	02 56 14.77	+09 39 29.6	1998 UU ₂₅	809	1999 XA ₂₄₃	* 1999 12 10.20273	04 58 02.06	+23 12 10.4	1999 VS ₃₇	17.7	704
1998 UZ ₄₇	* 1998 10 26.83523	02 30 47.96	+11 48 18.6	1998 UP ₂₃	046	1999 XA ₂₄₃	1999 12 10.21744	04 58 01.05	+23 12 07.7	1999 VS ₃₇	19.0	704
1998 WV ₄₂	* 1998 11 20.75505	21 15 03.62	-11 18 09.9	1998 WM ₈	18.9 R	1999 XA ₂₄₃	1999 12 10.23228	04 58 00.12	+23 12 07.0	1999 VS ₃₇	18.8	704
1998 WV ₄₂	1998 11 20.75641	21 15 03.79	-11 18 09.9	1998 WM ₈	19.2 R	1999 XA ₂₄₃	1999 12 10.26166	04 57 58.09	+23 12 03.2	1999 VS ₃₇	18.1	704
1998 WV ₄₂	1998 11 20.75779	21 15 03.77	-11 18 09.7	1998 WM ₈	19.2 R	1999 XB ₂₄₃	* 1999 12 11.75875	03 46 41.40	+18 28 27.8	1999 XF ₁₀₅	I 557	
1998 XT ₉₈	* 1998 12 14.28223	03 41 06.10	+18 47 27.3	1998 XQ ₉₇	20.2 V	1999 XB ₂₄₃	1999 12 11.77513	03 46 40.54	+18 28 28.7	1999 XF ₁₀₅	557	
1998 XT ₉₈	1998 12 14.30431	03 41 05.00	+18 47 24.9	1998 XQ ₉₇	20.3 V	1999 XB ₂₄₃	1999 12 11.78047	03 46 40.33	+18 28 28.5	1999 XF ₁₀₅	557	
1998 XT ₉₈	1998 12 14.32630	03 41 03.88	+18 47 23.1	1998 XQ ₉₇	20.4 V	1999 YJ ₂₃	* 1999 12 28.16133	06 53 03.38	+23 03 23.6	1999 YK ₄	18.8 R	734
1999 CJ ₁₅₈	* 1999 02 13.34839	10 51 48.62	+08 15 30.4	1999 CN ₉₉	19.5	1999 YJ ₂₃	1999 12 28.16823	06 53 02.97	+23 03 23.9	1999 YK ₄	19.3 R	734
1999 CJ ₁₅₈	1999 02 13.36238	10 51 48.03	+08 15 38.7	1999 CN ₉₉	19.5	1999 YJ ₂₃	1999 12 28.19197	06 53 01.10	+23 03 22.1	1999 YK ₄	18.8 R	734
1999 CJ ₁₅₈	1999 02 13.37635	10 51 47.27	+08 15 45.6	1999 CN ₉₉	19.5	2000 AZ ₂₄₆	* 2000 01 02.07164	03 38 17.14	+15 59 20.9	1999 YZ ₉	19.0 V	691
1999 GE ₅₄	* 1999 04 13.64227	12 01 59.01	+01 10 07.3	1999 FS ₅₉	18.7	2000 AZ ₂₄₆	2000 01 02.09439	03 38 16.69	+15 59 22.7	1999 YZ ₉	19.1 V	691
1999 GE ₅₄	1999 04 13.65082	12 01 58.71	+01 10 09.7	1999 FS ₅₉	327	2000 AZ ₂₄₆	2000 01 02.11687	03 38 16.26	+15 59 25.0	1999 YZ ₉	19.3 V	691
1999 GE ₅₄	1999 04 13.65942	12 01 58.33	+01 10 12.1	1999 FS ₅₉	327	2000 AA ₂₄₇	* 2000 01 12.26000	05 26 44.88	+22 43 24.5	2000 AZ ₂₁₂	19.4 V	691
1999 RN ₂₄₂	* 1999 09 11.04190	00 03 30.38	-00 26 27.2	1999 RC ₂₂₉	18.2 R	2000 AA ₂₄₇	2000 01 12.28275	05 26 43.83	+22 43 22.4	2000 AZ ₂₁₂	19.6 V	691
1999 RN ₂₄₂	1999 09 11.04711	00 03 30.13	-00 26 28.3	1999 RC ₂₂₉	18.2 R	2000 AA ₂₄₇	2000 01 12.30546	05 26 42.78	+22 43 20.1	2000 AZ ₂₁₂	19.7 V	691
1999 RN ₂₄₂	1999 09 11.05191	00 03 29.90	-00 26 29.5	1999 RC ₂₂₉	18.3 R	2000 CJ ₁₂₆	* 2000 02 02.25683	08 58 13.92	+16 33 19.2	2000 CB	18.3 V	681
1999 TU ₂₉₃	* 1999 10 09.20254	23 25 43.83	+03 03 26.1	1999 TL ₁₀₉	19.9	2000 CJ ₁₂₆	2000 02 02.26854	08 58 13.42	+16 33 22.0	2000 CB	18.3 V	681
1999 TU ₂₉₃	1999 10 09.21799	23 25 43.29	+03 03 19.3	1999 TL ₁₀₉	20.0	2000 EF ₁₇₃	* 2000 03 11.37525	11 51 13.09	+01 23 35.2	2000 GC ₁₇₇	18.8	704
1999 TU ₂₉₃	1999 10 09.23343	23 25 42.91	+03 03 13.7	1999 TL ₁₀₉	20.2	2000 EF ₁₇₃	2000 03 11.38998	11 51 12.25	+01 23 39.2	2000 GC ₁₇₇	19.5	704
1999 UD ₅₃	* 1999 10 16.47514	02 40 52.39	+17 19 22.1	1999 TP ₇₅	20.4 V	2000 EF ₁₇₃	2000 03 11.40688	11 51 11.28	+01 23 43.6	2000 GC ₁₇₇	18.9	704
1999 UD ₅₃	1999 10 16.48687	02 40 51.73	+17 19 19.5	1999 TP ₇₅	20.8 V	2000 EF ₁₇₃	2000 03 11.41964	11 51 10.57	+01 23 46.3	2000 GC ₁₇₇	19.3	704
1999 UD ₅₃	1999 10 16.49854	02 40 51.09	+17 19 16.6	1999 TP ₇₅	20.3 V	2000 EF ₁₇₃	2000 03 11.43832	11 51 09.51	+01 23 50.9	2000 GC ₁₇₇	19.3	704
1999 UF ₅₅	* 1999 10 30.13556	00 43 59.23	+11 55 00.1	1999 RH ₂₁₁	17.2 R	2000 EA ₁₈₀	* 2000 03 10.38636	09 37 54.48	+14 05 45.1	2000 EJ ₅₃	21.0 V	691
1999 UF ₅₅	1999 10 30.14760	00 43 58.75	+11 54 54.4	1999 RH ₂₁₁	17.5 R	2000 EA ₁₈₀	2000 03 10.39201	09 37 54.27	+14 05 46.6	2000 EJ ₅₃	21.1 V	691
1999 UF ₅₅	1999 10 30.15960	00 43 58.33	+11 54 49.8	1999 RH ₂₁₁	17.6 R	2000 EA ₁₈₀	2000 03 10.39763	09 37 53.97	+14 05 47.8	2000 EJ ₅₃	21.6 V	691
1999 UF ₅₅	1999 10 30.17159	00 43 57.83	+11 54 43.8	1999 RH ₂₁₁	17.2 R	2000 EU ₂₀₀	* 2000 03 11.12155	09 20 28.12	+16 16 45.7	2000 CB ₉₉	20.9 V	691
1999 UM ₆₀	* 1999 10 19.14896	00 00 57.96	+21 37 55.9	1999 RO ₂₃₈	18.2 R	2000 EU ₂₀₀	2000 03 11.14330	09 20 27.50	+16 16 49.8	2000 CB ₉₉	20.7 V	691
1999 UM ₆₀	1999 10 19.17440	00 00 57.09	+21 37 42.0	1999 RO ₂₃₈	699	2000 EU ₂₀₀	2000 03 11.16516	09 20 26.89	+16 16 55.0	2000 CB ₉₉	20.7 V	691
1999 UM ₆₀	1999 10 19.19984	00 00 56.16	+21 37 26.4	1999 RO ₂₃₈	699	2000 EV ₂₀₀	* 2000 03 11.96706	11 24 12.13	+11 23 48.9	2000 EF ₇₅	18.9 V	049
1999 VB ₂₁₄	* 1999 11 04.32155	02 49 34.25	+15 27 28.6	1995 SE ₁	17.3	2000 EV ₂₀₀	2000 03 11.96946	11 24 11.98	+11 23 49.2	2000 EF ₇₅	18.8 V	049
1999 VB ₂₁₄	1999 11 04.33765	02 49 33.11	+15 27 26.9	1995 SE ₁	17.4	2000 EV ₂₀₀	2000 03 11.97223	11 24 11.81	+11 23 49.6	2000 EF ₇₅	18.9 V	049
1999 VB ₂₁₄	1999 11 04.35381	02 49 31.94	+15 27 25.1	1995 SE ₁	17.8	2000 EW ₂₀₀	* 2000 03 15.97393	11 19 38.86	+11 48 03.2	2000 EQ ₁₀₆	18.7 V	049
1999 VB ₂₁₄	1999 11 04.36991	02 49 30.58	+15 27 25.6	1995 SE ₁	17.7	2000 EW ₂₀₀	2000 03 15.97741	11 19 38.68	+11 48 04.2	2000 EQ ₁₀₆	18.1 V	049
1999 VB ₂₁₄	1999 11 04.38599	02 49 29.52	+15 27 21.6	1995 SE ₁	16.9	2000 EW ₂₀₀	2000 03 15.98054	11 19 38.50	+11 48 04.9	2000 EQ ₁₀₆	18.5 V	049
1999 VC ₂₁₄	* 1999 11 09.14484	01 28 27.48	+09 34 21.9	1999 TP ₂₁₈	19.5	2000 EX ₂₀₀	* 2000 03 09.11679	09 08 38.58	+15 17 37.4	2000 EP ₂₂	19.9 V	691

2000 EX ₂₀₀	2000 03 09.14164	09 08 37.73	+15 17 42.2	2000 EP ₂₂	19.9 V	691
2000 EX ₂₀₀	2000 03 09.16341	09 08 37.00	+15 17 45.7	2000 EP ₂₂	20.0 V	691
2000 FD ₅₄	* 2000 03 27.29930	12 59 44.00	-06 46 09.0	2000 FN ₁	19.4 V	691
2000 FD ₅₄	2000 03 27.30666	12 59 43.63	-06 46 06.6	2000 FN ₁	19.5 V	691
2000 FD ₅₄	2000 03 27.31457	12 59 43.24	-06 46 04.0	2000 FN ₁	19.5 V	691
2000 GQ ₁₈₃	* 2000 04 06.88539	12 24 55.86	-07 01 23.8	2000 GO ₂		046
2000 GQ ₁₈₃	2000 04 06.88749	12 24 55.79	-07 01 22.9	2000 GO ₂		046
2000 GQ ₁₈₃	2000 04 06.88958	12 24 55.66	-07 01 21.9	2000 GO ₂		046
2000 GQ ₁₈₃	2000 04 06.89130	12 24 55.61	-07 01 21.0	2000 GO ₂		046
2000 GQ ₁₈₃	2000 04 06.89302	12 24 55.51	-07 01 20.4	2000 GO ₂	17.5 R	046
2000 JP ₈₄	* 2000 05 10.24008	14 18 51.16	-11 24 23.8	2000 JE ₄₂	17.9	704
2000 JP ₈₄	2000 05 10.25159	14 18 50.64	-11 24 21.8	2000 JE ₄₂	18.6	704
2000 JP ₈₄	2000 05 10.26314	14 18 49.97	-11 24 20.4	2000 JE ₄₂	18.5	704
2000 JP ₈₄	2000 05 10.27463	14 18 49.37	-11 24 17.8	2000 JE ₄₂	18.3	704
2000 JP ₈₄	2000 05 10.28614	14 18 48.77	-11 24 15.3	2000 JE ₄₂	18.4	704
2000 JV ₈₄	* 2000 05 05.33227	15 28 06.20	-07 06 30.5	2000 JH ₇₂	18.8	704
2000 JV ₈₄	2000 05 05.34435	15 28 05.45	-07 06 27.1	2000 JH ₇₂	18.9	704
2000 JV ₈₄	2000 05 05.35635	15 28 04.70	-07 06 23.5	2000 JH ₇₂	19.2	704
2000 JV ₈₄	2000 05 05.36836	15 28 04.05	-07 06 21.9	2000 JH ₇₂	19.1	704
2000 JA ₈₇	* 2000 05 10.29460	14 54 08.31	-15 30 33.4	2000 JS ₄₃	18.6	704
2000 JA ₈₇	2000 05 10.30601	14 54 07.76	-15 30 29.8	2000 JS ₄₃	18.7	704
2000 JA ₈₇	2000 05 10.31743	14 54 07.18	-15 30 27.9	2000 JS ₄₃	19.2	704
2000 JA ₈₇	2000 05 11.28854	14 53 27.89	-15 27 00.7	2000 JS ₄₃	19.2 R	699
2000 JA ₈₇	2000 05 11.30752	14 53 27.19	-15 26 56.4	2000 JS ₄₃		699
2000 JA ₈₇	2000 05 11.32644	14 53 26.38	-15 26 52.9	2000 JS ₄₃		699
2000 JA ₈₇	2000 05 11.34538	14 53 25.47	-15 26 48.2	2000 JS ₄₃		699
2000 JB ₈₇	* 2000 05 27.18365	15 08 46.27	-06 27 52.0	2000 JH ₇₂	18.2	704
2000 JB ₈₇	2000 05 27.19710	15 08 45.61	-06 27 51.7	2000 JH ₇₂	18.5	704
2000 JB ₈₇	2000 05 27.21053	15 08 44.99	-06 27 52.3	2000 JH ₇₂	18.3	704
2000 JB ₈₇	2000 05 27.22393	15 08 44.43	-06 27 52.1	2000 JH ₇₂	18.3	704
2000 JB ₈₇	2000 05 27.23734	15 08 43.77	-06 27 52.3	2000 JH ₇₂	18.2	704

IDENTIFICATIONS WITH COMETS

The following identifications with comets, by B. G. Marsden, continue the list on *MPC* 40736:

1998 XA ₇₀	=	C/2000 O1 (Koehn)
1999 UJ ₁₀	=	C/2000 O1 (Koehn)

IDENTIFICATIONS WITH SATELLITES

The following identifications with satellites, by G. V. Williams, continue the list on *MPC* 38243:

1929 VF	=	Jupiter VI
1935 JD	=	Jupiter VI
1950 HR	=	Saturn VIII
1950 QC ₁	=	Jupiter VI
1963 TC ₁	=	Jupiter VI
1964 VK ₁	=	Jupiter VI
1970 HH	=	Jupiter VI
1975 TD ₆	=	Jupiter VII
1984 MH	=	Jupiter VI

1986 PW ₆	=	Jupiter VI
1986 QV ₄	=	Jupiter VI
1986 TZ ₁₃	=	Jupiter VI
1987 SX ₂₁	=	Jupiter VIII
1988 XC ₂	=	Jupiter VI
1988 XQ ₅	=	Jupiter VI
1989 AV ₁	=	Jupiter VI
1989 AW ₉	=	Jupiter VI
1994 ER ₇	=	Jupiter IX
1994 PK ₂	=	Saturn IX
1998 QR ₁₀₁	=	Jupiter VIII
1998 QV ₁₀₁	=	Jupiter IX
1998 RY ₄₄	=	Jupiter IX
1998 RZ ₄₄	=	Jupiter VIII
1998 SV ₇₇	=	Jupiter VIII
1999 TG ₁₅₂	=	Jupiter VII
1999 VZ ₁₅₅	=	Jupiter VIII

OBSERVATIONS OF COMETS

Observations are published here for the following observatory codes:

012	Uccle.	0.8-m Schmidt + CCD. Observer T. Pauwels.
026	Zimmerwald.	0.4-m Schmidt + CCD. Observer M. Ploner.
046	Kleť.	0.57-m $f/5.2$ reflector + CCD. Observers J. Tichá, M. Tichý and P. Jelínek.
118	Modra.	0.6-m $f/5.5$ reflector + CCD. Observers L. Kornoš, Š. Gajdoš, D. Kalmančok, P. Kolény, A. Galád and J. Tóth.
143	Gnosca.	0.20-m $f/6.3$ reflector + CCD. Observer S. Sposetti.
170	Begues.	0.26-m Schmidt-Cassegrain + CCD. Observer J. Manteca. Measured by S. Alonso.
180	Mauguio.	Observer C. Leyrat. 0.30-m $f/6.3$ reflector + CCD.
249	SOHO.	SOHO-LASCO coronagraphs C2 and C3. Measured by D. A. Biesecker and D. Hammer. Reduction by B. G. Marsden.
300	Bisei.	0.50-m $f/2.0$ reflector + CCD. Observers A. Asami, D. J. Asher, S. Hashimoto, S. Isobe, S. Nakano, Y. Oshima, J. Terazono, T. Urata and M. Yoshikawa.
347	Utsunomiya-Imaizumi.	0.20-m $f/9.0$ Schmidt-Cassegrain + CCD. Observer M. Suzuki.
348	Ayabe.	0.28-m $f/5.5$ Schmidt-Cassegrain + CCD. Observer N. Otuki.
349	Ageo.	0.18-m $f/5.5$ reflector + CCD. Observer K. Kadota.
351	Sakamoto.	0.15-m $f/7.0$ lens + CCD. Observer Y. Kitamura.
352	Konan.	0.25-m $f/6$ reflector + CCD. Observer M. Hotta.
355	Hadano.	0.28-m $f/5.0$ reflector + CCD. Observer A. Asami.
360	Kuma Kogen.	0.60-m $f/5.8$ Ritchey-Chrétien + CCD. Observer A. Nakamura.
365	Uto Observatory.	0.20-m $f/4.0$ reflector + CCD. Observer F. Uto.
367	Yatsuka.	0.26-m $f/4.8$ reflector. Observer H. Abe.
372	Geisei.	0.60-m $f/3.5$ reflector. Observer T. Seki.
402	Dynic Astronomical Observatory.	0.60-m $f/3.7$ reflector + CCD. Observer A. Sugie.
467	Auckland.	0.50-m Cassegrain $f/6.4$ reflector + CCD. Observers I. P. Griffin and N. Brady.

C/1998 J3	1998 05 04.76882	02 49 02.6	+14 59 50	249	C/1998 K14	1998 05 26.44115	04 12 38.2	+19 33 46	249
Geocentric position (AU)	+0.00585838	+0.00901210	+0.00308702		Geocentric position (AU)	+0.00508094	+0.00963368	+0.00317890	
C/1998 J3	1998 05 04.79086	02 48 46.2	+15 03 40	249	C/1998 K14	1998 05 26.46525	04 12 32.5	+19 38 24	249
Geocentric position (AU)	+0.00585726	+0.00901300	+0.00308704		Geocentric position (AU)	+0.00507993	+0.00963413	+0.00317914	
C/1998 J4 (SOHO)					C/1998 K14				
C/1998 J4	1998 05 06.22730	02 56 17.6	+15 08 55	249	Geocentric position (AU)	+0.00507909	+0.00963451	+0.00317933	249
Geocentric position (AU)	+0.00578693	+0.00906845	+0.00308803		C/1998 K14	1998 05 26.50877	04 12 22.5	+19 46 53	249
C/1998 J4	1998 05 06.24793	02 56 05.8	+15 11 55	249	Geocentric position (AU)	+0.00507811	+0.00963494	+0.00317956	
Geocentric position (AU)	+0.00578596	+0.00906921	+0.00308804		C/1998 K14	1998 05 26.52556	04 12 18.6	+19 50 08	249
C/1998 J4	1998 05 06.26882	02 55 53.1	+15 15 00	249	Geocentric position (AU)	+0.00507741	+0.00963525	+0.00317972	
Geocentric position (AU)	+0.00578498	+0.00906997	+0.00308805		C/1998 K14	1998 05 26.54737	04 12 13.8	+19 54 35	249
C/1998 J4	1998 05 06.29081	02 55 38.7	+15 18 22	249	Geocentric position (AU)	+0.00507650	+0.00963565	+0.00317994	
Geocentric position (AU)	+0.00578395	+0.00907078	+0.00308806		C/1998 K14	1998 05 26.59320	04 12 01.3	+20 04 47	249
C/1998 J4	1998 05 06.31332	02 55 24.4	+15 21 53	249	Geocentric position (AU)	+0.00507458	+0.00963649	+0.00318038	
Geocentric position (AU)	+0.00578290	+0.00907160	+0.00308807		C/1998 K14	1998 05 26.60995	04 11 59.2	+20 08 30	249
C/1998 J4	1998 05 06.33678	02 55 09.2	+15 25 39	249	Geocentric position (AU)	+0.00507388	+0.00963680	+0.00318055	
Geocentric position (AU)	+0.00578180	+0.00907245	+0.00308807		C/1998 K15 (SOHO)				
C/1998 J4	1998 05 06.35363	02 54 57.9	+15 28 34	249	C/1998 K15	1998 05 28.58402	04 19 39.3	+19 46 15	249
Geocentric position (AU)	+0.00578101	+0.00907306	+0.00308808		Geocentric position (AU)	+0.00498976	+0.00966845	+0.00319998	
C/1998 J4	1998 05 06.37646	02 54 42.2	+15 32 17	249	C/1998 K15	1998 05 28.60215	04 19 37.3	+19 49 13	249
Geocentric position (AU)	+0.00577995	+0.00907389	+0.00308809		Geocentric position (AU)	+0.00498898	+0.00966870	+0.00320016	
C/1998 J4	1998 05 06.39764	02 54 27.0	+15 36 18	249	C/1998 K15	1998 05 28.62414	04 19 35.0	+19 52 55	249
Geocentric position (AU)	+0.00577896	+0.00907466	+0.00308810		Geocentric position (AU)	+0.00498803	+0.00966900	+0.00320038	
C/1998 J4	1998 05 06.42172	02 54 10.7	+15 40 29	249	C/1998 K15	1998 05 28.64381	04 19 33.1	+19 56 22	249
Geocentric position (AU)	+0.00577784	+0.00907553	+0.00308810		Geocentric position (AU)	+0.00498718	+0.00966928	+0.00320058	
C/1998 K12 (SOHO)					C/1998 K15	1998 05 28.66537	04 19 31.2	+20 00 06	249
C/1998 K12	1998 05 20.96678	03 51 35.2	+18 34 04	249	Geocentric position (AU)	+0.00498625	+0.00966957	+0.00320079	
Geocentric position (AU)	+0.00528739	+0.00950288	+0.00312918		C/1998 K15	1998 05 28.72786	04 19 25.6	+20 11 38	249
C/1998 K12	1998 05 21.01961	03 51 16.2	+18 43 49	249	Geocentric position (AU)	+0.00498355	+0.00967042	+0.00320141	
Geocentric position (AU)	+0.00528564	+0.00950434	+0.00312960		C/1998 K15	1998 05 28.75185	04 19 23.7	+20 16 15	249
C/1998 K12	1998 05 21.04034	03 51 08.2	+18 47 39	249	Geocentric position (AU)	+0.00498251	+0.00967075	+0.00320165	
Geocentric position (AU)	+0.00528496	+0.00950491	+0.00312976		C/1998 K15	1998 05 28.76881	04 19 22.4	+20 19 33	249
C/1998 K12	1998 05 21.06278	03 51 00.2	+18 52 07	249	Geocentric position (AU)	+0.00498178	+0.00967098	+0.00320182	
Geocentric position (AU)	+0.00528421	+0.00950553	+0.00312994		C/1998 K15	1998 05 28.79082	04 19 21.2	+20 23 54	249
C/1998 K13 (SOHO)					Geocentric position (AU)	+0.00498083	+0.00967128	+0.00320204	
C/1998 K13	1998 05 21.76881	03 51 52.2	+18 29 32	249	C/1998 K15	1998 05 28.81336	04 19 20.0	+20 28 31	249
Geocentric position (AU)	+0.00526034	+0.00952479	+0.00313572		Geocentric position (AU)	+0.00497986	+0.00967158	+0.00320227	
C/1998 K13	1998 05 21.79084	03 51 44.8	+18 32 47	249	C/1998 K16 (SOHO)				
Geocentric position (AU)	+0.00525958	+0.00952538	+0.00313590		C/1998 K16	1998 05 29.35619	04 24 08.2	+19 56 49	249
C/1998 K13	1998 05 21.83655	03 51 37.2	+18 41 16	249	Geocentric position (AU)	+0.00495638	+0.00967856	+0.00320771	
Geocentric position (AU)	+0.00525800	+0.00952661	+0.00313628		C/1998 K16	1998 05 29.37802	04 24 04.1	+20 00 48	249
C/1998 K13	1998 05 21.88785	03 51 27.8	+18 50 39	249	Geocentric position (AU)	+0.00495543	+0.00967883	+0.00320793	
Geocentric position (AU)	+0.00525623	+0.00952799	+0.00313672		C/1998 K16	1998 05 29.40055	04 23 59.5	+20 05 15	249
C/1998 K13	1998 05 21.93634	03 51 20.0	+19 00 14	249	Geocentric position (AU)	+0.00495445	+0.00967910	+0.00320815	
Geocentric position (AU)	+0.00525455	+0.00952929	+0.00313713		C/1998 K16	1998 05 29.41986	04 23 57.4	+20 08 54	249
C/1998 K13	1998 05 21.97795	03 51 13.0	+19 09 13	249	Geocentric position (AU)	+0.00495362	+0.00967934	+0.00320835	
Geocentric position (AU)	+0.00525310	+0.00953040	+0.00313748		C/1998 K16	1998 05 29.43666	04 23 54.6	+20 12 09	249
C/1998 K14 (SOHO)					Geocentric position (AU)	+0.00495289	+0.00967954	+0.00320852	
C/1998 K14	1998 05 26.42441	04 12 42.3	+19 30 43	249	C/1998 K16	1998 05 29.47715	04 23 47.2	+20 20 21	249
Geocentric position (AU)	+0.00508164	+0.00963337	+0.00317874		Geocentric position (AU)	+0.00495114	+0.00968004	+0.00320893	
					C/1998 K16	1998 05 29.50131	04 23 44.1	+20 25 31	249
					Geocentric position (AU)	+0.00495009	+0.00968033	+0.00320917	

C/1998 K16	1998 05 29.51881	04 23 40.8	+20 29 15	249	C/1998 L4	1998 06 04.99791	04 49 54.3	+20 55 18	249
Geocentric position (AU)	+0.00494933	+0.00968054	+0.00320935		Geocentric position (AU)	+0.00467033	+0.00973177	+0.00328254	
C/1998 K16	1998 05 29.54082	04 23 37.0	+20 34 10	249	C/1998 L4	1998 06 05.01962	04 49 51.0	+21 00 02	249
Geocentric position (AU)	+0.00494838	+0.00968080	+0.00320957		Geocentric position (AU)	+0.00466940	+0.00973189	+0.00328283	
C/1998 K17 (SOHO)					C/1998 L4	1998 06 05.04034	04 49 51.6	+21 03 03	249
C/1998 K17	1998 05 31.04035	04 27 50.0	+20 00 50	249	Geocentric position (AU)	+0.00466851	+0.00973201	+0.00328310	
Geocentric position (AU)	+0.00488339	+0.00969679	+0.00322497		C/1998 L4	1998 06 05.06285	04 49 52.0	+21 07 17	249
C/1998 K17	1998 05 31.06284	04 27 49.7	+20 05 21	249	Geocentric position (AU)	+0.00466754	+0.00973215	+0.00328340	
Geocentric position (AU)	+0.00488241	+0.00969700	+0.00322520		C/1998 L4	1998 06 05.08628	04 49 51.8	+21 11 55	249
C/1998 K17	1998 05 31.08624	04 27 51.0	+20 09 50	249	Geocentric position (AU)	+0.00466654	+0.00973229	+0.00328371	
Geocentric position (AU)	+0.00488140	+0.00969722	+0.00322545		C/1998 L4	1998 06 05.10311	04 49 52.3	+21 15 11	249
C/1998 K17	1998 05 31.12188	04 27 50.7	+20 17 06	249	Geocentric position (AU)	+0.00466581	+0.00973238	+0.00328393	
Geocentric position (AU)	+0.00487986	+0.00969755	+0.00322582		C/1998 L4	1998 06 05.12499	04 49 52.9	+21 19 36	249
C/1998 K17	1998 05 31.14382	04 27 51.6	+20 21 38	249	Geocentric position (AU)	+0.00466487	+0.00973251	+0.00328422	
Geocentric position (AU)	+0.00487891	+0.00969776	+0.00322605		C/1998 L4	1998 06 05.14381	04 49 54.2	+21 23 33	249
C/1998 K17	1998 05 31.16730	04 27 52.5	+20 26 34	249	Geocentric position (AU)	+0.00466406	+0.00973263	+0.00328447	
Geocentric position (AU)	+0.00487789	+0.00969798	+0.00322630		C/1998 L5 (SOHO)				
C/1998 L2 (SOHO)					C/1998 L5	1998 06 05.40061	04 51 21.3	+20 47 35	249
C/1998 L2	1998 06 03.51883	04 44 32.6	+20 36 19	249	Geocentric position (AU)	+0.00465302	+0.00973414	+0.00328790	
Geocentric position (AU)	+0.00473371	+0.00972291	+0.00326389		C/1998 L5	1998 06 05.41981	04 51 20.8	+20 51 02	249
C/1998 L2	1998 06 03.56141	04 44 29.9	+20 44 10	249	Geocentric position (AU)	+0.00465219	+0.00973426	+0.00328816	
Geocentric position (AU)	+0.00473189	+0.00972317	+0.00326441		C/1998 L5	1998 06 05.43660	04 51 21.5	+20 54 02	249
C/1998 L2	1998 06 03.57992	04 44 29.0	+20 47 41	249	Geocentric position (AU)	+0.00465147	+0.00973436	+0.00328839	
Geocentric position (AU)	+0.00473110	+0.00972328	+0.00326463		C/1998 L5	1998 06 05.47717	04 51 23.4	+21 01 29	249
C/1998 L2	1998 06 03.60215	04 44 28.4	+20 52 10	249	Geocentric position (AU)	+0.00464972	+0.00973460	+0.00328893	
Geocentric position (AU)	+0.00473015	+0.00972342	+0.00326490		C/1998 L5	1998 06 05.50131	04 51 22.9	+21 05 54	249
C/1998 L2	1998 06 03.62159	04 44 26.8	+20 55 58	249	Geocentric position (AU)	+0.00464868	+0.00973474	+0.00328926	
Geocentric position (AU)	+0.00472931	+0.00972354	+0.00326514		C/1998 L5	1998 06 05.51881	04 51 22.8	+21 09 17	249
C/1998 L2	1998 06 03.66326	04 44 26.0	+21 04 43	249	Geocentric position (AU)	+0.00464792	+0.00973485	+0.00328950	
Geocentric position (AU)	+0.00472753	+0.00972379	+0.00326564		C/1998 L5	1998 06 05.54081	04 51 24.7	+21 13 36	249
C/1998 L2	1998 06 03.68548	04 44 28.2	+21 07 47	249	Geocentric position (AU)	+0.00464698	+0.00973498	+0.00328980	
Geocentric position (AU)	+0.00472658	+0.00972393	+0.00326592		C/1998 L5	1998 06 05.56329	04 51 25.5	+21 18 09	249
C/1998 L3 (SOHO)					Geocentric position (AU)	+0.00464601	+0.00973511	+0.00329010	
C/1998 L3	1998 06 04.08664	04 46 28.4	+20 40 14	249	C/1998 L5	1998 06 05.58672	04 51 26.7	+21 22 40	249
Geocentric position (AU)	+0.00470940	+0.00972636	+0.00327087		Geocentric position (AU)	+0.00464500	+0.00973525	+0.00329042	
C/1998 L3	1998 06 04.10345	04 46 27.8	+20 43 21	249	C/1998 L5	1998 06 05.60353	04 51 27.5	+21 26 35	249
Geocentric position (AU)	+0.00470868	+0.00972646	+0.00327108		Geocentric position (AU)	+0.00464427	+0.00973535	+0.00329065	
C/1998 L3	1998 06 04.12533	04 46 27.8	+20 47 06	249	C/1998 L5	1998 06 05.62540	04 51 29.5	+21 31 33	249
Geocentric position (AU)	+0.00470775	+0.00972659	+0.00327135		Geocentric position (AU)	+0.00464333	+0.00973548	+0.00329095	
C/1998 L3	1998 06 04.14381	04 46 26.4	+20 50 44	249	C/1998 L5	1998 06 05.64382	04 51 32.0	+21 35 45	249
Geocentric position (AU)	+0.00470695	+0.00972670	+0.00327158		Geocentric position (AU)	+0.00464253	+0.00973559	+0.00329120	
C/1998 L3	1998 06 04.16730	04 46 27.2	+20 55 37	249	C/1998 L6 (SOHO)				
Geocentric position (AU)	+0.00470595	+0.00972684	+0.00327188		C/1998 L6	1998 06 05.79080	04 52 53.9	+20 51 11	249
C/1998 L3	1998 06 04.23142	04 46 26.4	+21 08 39	249	Geocentric position (AU)	+0.00463619	+0.00973647	+0.00329322	
Geocentric position (AU)	+0.00470320	+0.00972723	+0.00327268		C/1998 L6	1998 06 05.81330	04 52 51.6	+20 54 56	249
C/1998 L4 (SOHO)					Geocentric position (AU)	+0.00463522	+0.00973660	+0.00329353	
C/1998 L4	1998 06 04.93629	04 49 52.2	+20 43 57	249	C/1998 L6	1998 06 05.84098	04 52 53.7	+20 59 57	249
Geocentric position (AU)	+0.00467298	+0.00973140	+0.00328173		Geocentric position (AU)	+0.00463402	+0.00973677	+0.00329391	
C/1998 L4	1998 06 04.97797	04 49 51.5	+20 51 42	249	C/1998 L6	1998 06 05.88415	04 52 54.9	+21 07 54	249
Geocentric position (AU)	+0.00467119	+0.00973165	+0.00328228		Geocentric position (AU)	+0.00463215	+0.00973703	+0.00329451	
					C/1998 L6	1998 06 05.90091	04 52 55.6	+21 11 08	249
					Geocentric position (AU)	+0.00463143	+0.00973713	+0.00329474	

C/1998 L6	1998 06 05.92427	04 52 56.5	+21 15 43	249
Geocentric position (AU)	+0.00463042	+0.00973727	+0.00329507	
C/1998 L6	1998 06 05.94261	04 52 58.3	+21 19 41	249
Geocentric position (AU)	+0.00462962	+0.00973738	+0.00329532	
C/1998 L6	1998 06 05.98231	04 53 00.1	+21 27 39	249
Geocentric position (AU)	+0.00462791	+0.00973762	+0.00329588	
C/1998 L6	1998 06 05.99851	04 53 01.3	+21 31 05	249
Geocentric position (AU)	+0.00462720	+0.00973772	+0.00329610	
C/1998 L6	1998 06 06.01964	04 53 03.3	+21 35 47	249
Geocentric position (AU)	+0.00462629	+0.00973785	+0.00329640	
C/1998 L6	1998 06 06.04036	04 53 05.7	+21 40 24	249
Geocentric position (AU)	+0.00462539	+0.00973797	+0.00329669	

C/1998 L7 (SOHO)

C/1998 L7	1998 06 06.64383	04 54 40.7	+20 49 40	249
Geocentric position (AU)	+0.00459916	+0.00974169	+0.00330530	
C/1998 L7	1998 06 06.66729	04 54 43.8	+20 55 48	249
Geocentric position (AU)	+0.00459813	+0.00974184	+0.00330564	
C/1998 L7	1998 06 06.68548	04 54 47.3	+21 01 23	249
Geocentric position (AU)	+0.00459734	+0.00974196	+0.00330590	
C/1998 L7	1998 06 06.70703	04 54 51.5	+21 07 39	249
Geocentric position (AU)	+0.00459640	+0.00974209	+0.00330622	
C/1998 L7	1998 06 06.72715	04 54 56.8	+21 13 52	249
Geocentric position (AU)	+0.00459552	+0.00974222	+0.00330651	

C/1998 L8 (SOHO)

C/1998 L8	1998 06 08.33404	05 02 01.5	+21 01 39	249
Geocentric position (AU)	+0.00452419	+0.00975312	+0.00333123	
C/1998 L8	1998 06 08.35215	05 02 03.1	+21 05 08	249
Geocentric position (AU)	+0.00452337	+0.00975326	+0.00333152	
C/1998 L8	1998 06 08.37416	05 02 06.2	+21 09 36	249
Geocentric position (AU)	+0.00452237	+0.00975342	+0.00333188	
C/1998 L8	1998 06 08.39674	05 02 07.8	+21 13 44	249
Geocentric position (AU)	+0.00452135	+0.00975359	+0.00333224	
C/1998 L8	1998 06 08.41603	05 02 11.1	+21 17 49	249
Geocentric position (AU)	+0.00452047	+0.00975373	+0.00333256	
C/1998 L8	1998 06 08.43548	05 02 14.1	+21 21 49	249
Geocentric position (AU)	+0.00451959	+0.00975387	+0.00333287	
C/1998 L8	1998 06 08.47716	05 02 20.0	+21 30 56	249
Geocentric position (AU)	+0.00451770	+0.00975418	+0.00333355	
C/1998 L8	1998 06 08.50133	05 02 25.6	+21 36 30	249
Geocentric position (AU)	+0.00451660	+0.00975436	+0.00333395	

C/1998 L9 (SOHO)

C/1998 L9	1998 06 12.22645	05 18 43.4	+21 20 35	249
Geocentric position (AU)	+0.00433469	+0.00978879	+0.00340230	
C/1998 L9	1998 06 12.24695	05 18 46.1	+21 24 17	249
Geocentric position (AU)	+0.00433360	+0.00978902	+0.00340272	
C/1998 L9	1998 06 12.26882	05 18 49.4	+21 28 22	249
Geocentric position (AU)	+0.00433243	+0.00978926	+0.00340316	
C/1998 L9	1998 06 12.28895	05 18 53.4	+21 32 25	249
Geocentric position (AU)	+0.00433136	+0.00978949	+0.00340358	
C/1998 L9	1998 06 12.31048	05 18 55.8	+21 36 23	249
Geocentric position (AU)	+0.00433021	+0.00978973	+0.00340402	

C/1998 L9	1998 06 12.33012	05 18 59.3	+21 40 22	249
Geocentric position (AU)	+0.00432915	+0.00978995	+0.00340442	
C/1998 L9	1998 06 12.35217	05 19 02.3	+21 44 45	249
Geocentric position (AU)	+0.00432797	+0.00979019	+0.00340487	
C/1998 L9	1998 06 12.37159	05 19 05.6	+21 48 44	249
Geocentric position (AU)	+0.00432693	+0.00979041	+0.00340527	
C/1998 L9	1998 06 12.39382	05 19 10.4	+21 53 34	249
Geocentric position (AU)	+0.00432573	+0.00979066	+0.00340573	
C/1998 L9	1998 06 12.41788	05 19 15.5	+21 58 51	249
Geocentric position (AU)	+0.00432444	+0.00979093	+0.00340622	
C/1998 L9	1998 06 12.43550	05 19 20.1	+22 02 55	249
Geocentric position (AU)	+0.00432349	+0.00979113	+0.00340659	

C/1998 M5 (LINEAR)

C/1998 M5	1998 09 08.63552	20 46 38.40	+40 01 49.7	12.2 T	347
C/1998 M5	1998 09 08.64140	20 46 37.21	+40 01 51.6	12.3 T	347
C/1998 M5	1998 09 08.64365	20 46 36.77	+40 01 52.1		347
C/1998 M5	1998 09 12.62315	20 33 24.13	+40 19 06.6	12.3 T	347
C/1998 M5	1998 09 12.62661	20 33 23.42	+40 19 07.4	12.3 T	347
C/1998 M5	1998 09 12.62978	20 33 22.81	+40 19 07.8	12.5 T	347
C/1998 M5	1998 09 12.63278	20 33 22.21	+40 19 08.4	12.3 T	347
C/1998 M5	1998 10 02.54918	19 36 45.02	+39 39 15.5	12.3 T	347
C/1998 M5	1998 10 02.55792	19 36 43.77	+39 39 12.0	12.3 T	347
C/1998 M5	1998 10 02.56295	19 36 43.07	+39 39 11.0	12.4 T	347
C/1998 M5	1998 10 02.56611	19 36 42.64	+39 39 09.7	12.2 T	347
C/1998 M5	1998 10 08.58855	19 23 59.03	+39 02 43.3		347
C/1998 M5	1998 10 08.59165	19 23 58.66	+39 02 42.0		347
C/1998 M5	1998 10 11.49016	19 18 37.69	+38 43 51.5	11.7 T	347
C/1998 M5	1998 10 11.49322	19 18 37.34	+38 43 50.1		347
C/1998 M5	1998 10 11.49684	19 18 36.96	+38 43 48.7		347
C/1998 M5	1998 10 25.54634	18 59 16.50	+37 15 13.3		347
C/1998 M5	1998 10 25.55157	18 59 16.19	+37 15 11.4		347
C/1998 M5	1998 11 05.50034	18 50 38.90	+36 24 55.4		347
C/1998 M5	1998 11 05.50302	18 50 38.73	+36 24 54.3		347
C/1998 M5	1998 11 05.50558	18 50 38.63	+36 24 53.5		347
C/1998 M5	1998 11 08.43472	18 49 06.98	+36 15 46.5		347
C/1998 M5	1998 11 08.43828	18 49 06.91	+36 15 46.3		347
C/1998 M5	1998 11 08.44182	18 49 06.78	+36 15 45.4		347
C/1998 M5	1998 11 14.42053	18 46 52.26	+36 03 41.9		347
C/1998 M5	1998 11 14.42694	18 46 52.17	+36 03 41.0		347
C/1998 M5	1998 11 15.41752	18 46 36.17	+36 02 35.1		347
C/1998 M5	1998 11 15.42699	18 46 35.96	+36 02 35.2		347
C/1998 M5	1998 11 15.43021	18 46 35.97	+36 02 34.4		347
C/1998 M5	1998 11 23.40736	18 45 25.42	+36 03 58.3		347
C/1998 M5	1998 11 23.41409	18 45 25.40	+36 03 58.6		347
C/1998 M5	1998 11 23.42369	18 45 25.33	+36 03 58.8		347
C/1998 M5	1998 12 12.39751	18 48 06.18	+37 28 10.5		347
C/1998 M5	1998 12 12.40084	18 48 06.25	+37 28 11.3		347
C/1998 M5	1998 12 12.40303	18 48 06.27	+37 28 12.7		347
C/1998 M5	1999 04 09.58393	08 11 55.17	+64 59 31.8		347
C/1998 M5	1999 04 09.58762	08 11 55.34	+64 59 19.9		347
C/1998 M5	1999 04 09.59078	08 11 55.52	+64 59 09.9		347
C/1998 M5	1999 05 17.48278	08 48 13.99	+38 40 21.5		347

C/1998 M5	1999 05 17.48737	08 48 14.27	+38 40 12.6	347	C/1998 M9	1998 06 21.80624	05 56 33.1	+22 19 11	249
C/1998 M5	1999 05 17.49141	08 48 14.49	+38 40 06.1	347	Geocentric position (AU)	+0.00363456	+0.00989842	+0.00363195	
C/1998 M5	1999 06 01.49615	09 02 26.02	+31 42 38.0	347	C/1998 M9	1998 06 21.81917	05 56 38.6	+22 22 03	249
C/1998 M5	1999 06 01.50713	09 02 26.64	+31 42 21.3	347	Geocentric position (AU)	+0.00363333	+0.00989849	+0.00363228	
C/1998 M8 (SOHO)					C/1998 M9	1998 06 21.83216	05 56 44.8	+22 24 46	249
C/1998 M8	1998 06 19.41405	05 46 47.5	+21 43 55	249	Geocentric position (AU)	+0.00363209	+0.00989857	+0.00363261	
Geocentric position (AU)	+0.00384957	+0.00987844	+0.00357124		C/1998 M9	1998 06 21.85896	05 57 00.5	+22 30 42	249
C/1998 M8	1998 06 19.42719	05 46 52.8	+21 46 13	249	Geocentric position (AU)	+0.00362953	+0.00989872	+0.00363328	
Geocentric position (AU)	+0.00384846	+0.00987858	+0.00357157		C/1998 M9	1998 06 21.87164	05 57 07.6	+22 33 33	249
C/1998 M8	1998 06 19.44443	05 46 58.6	+21 49 27	249	Geocentric position (AU)	+0.00362832	+0.00989879	+0.00363360	
Geocentric position (AU)	+0.00384701	+0.00987877	+0.00357201		C/1998 M10 (SOHO)				
C/1998 M8	1998 06 19.45515	05 47 02.9	+21 51 27	249	C/1998 M10	1998 06 23.64383	06 02 54.0	+21 59 10	249
Geocentric position (AU)	+0.00384611	+0.00987888	+0.00357228		Geocentric position (AU)	+0.00345219	+0.00990436	+0.00367760	
C/1998 M8	1998 06 19.48540	05 47 13.0	+21 57 14	249	C/1998 M10	1998 06 23.66610	06 03 05.7	+22 03 37	249
Geocentric position (AU)	+0.00384355	+0.00987920	+0.00357305		Geocentric position (AU)	+0.00344989	+0.00990438	+0.00367814	
C/1998 M8	1998 06 19.49843	05 47 17.6	+21 59 57	249	C/1998 M10	1998 06 23.68548	06 03 15.4	+22 07 21	249
Geocentric position (AU)	+0.00384245	+0.00987934	+0.00357338		Geocentric position (AU)	+0.00344790	+0.00990439	+0.00367861	
C/1998 M8	1998 06 19.51068	05 47 22.1	+22 02 02	249	C/1998 M10	1998 06 23.70747	06 03 27.0	+22 11 34	249
Geocentric position (AU)	+0.00384141	+0.00987947	+0.00357369		Geocentric position (AU)	+0.00344563	+0.00990440	+0.00367915	
C/1998 M8	1998 06 19.52441	05 47 26.5	+22 04 37	249	C/1998 M10	1998 06 23.72715	06 03 39.2	+22 15 45	249
Geocentric position (AU)	+0.00384025	+0.00987961	+0.00357404		Geocentric position (AU)	+0.00344360	+0.00990441	+0.00367963	
C/1998 M8	1998 06 19.53944	05 47 32.7	+22 07 51	249	C/1998 M10	1998 06 23.74966	06 03 52.7	+22 20 28	249
Geocentric position (AU)	+0.00383898	+0.00987977	+0.00357443		Geocentric position (AU)	+0.00344128	+0.00990442	+0.00368018	
C/1998 M8	1998 06 19.55586	05 47 39.9	+22 11 05	249	C/1998 M10	1998 06 23.76882	06 04 03.9	+22 24 28	249
Geocentric position (AU)	+0.00383759	+0.00987994	+0.00357484		Geocentric position (AU)	+0.00343930	+0.00990443	+0.00368065	
C/1998 M9 (SOHO)					C/1998 M10	1998 06 23.79083	06 04 18.6	+22 29 35	249
C/1998 M9	1998 06 21.62164	05 55 18.3	+21 45 28	249	Geocentric position (AU)	+0.00343702	+0.00990443	+0.00368118	
Geocentric position (AU)	+0.00365210	+0.00989733	+0.00362730		P/1998 U3 (Jäger)				
C/1998 M9	1998 06 21.63595	05 55 19.0	+21 47 06	249	P/1998 U3	1999 02 28.56358	06 27 35.84	+24 40 26.4	347
Geocentric position (AU)	+0.00365074	+0.00989742	+0.00362766		P/1998 U3	1999 02 28.58014	06 27 36.58	+24 40 14.2	347
C/1998 M9	1998 06 21.65073	05 55 23.6	+21 50 26	249	P/1998 U3	1999 02 28.58383	06 27 36.75	+24 40 11.3	347
Geocentric position (AU)	+0.00364935	+0.00989751	+0.00362803		P/1998 U3	1999 04 09.51877	07 16 14.04	+17 26 33.9	347
C/1998 M9	1998 06 21.66408	05 55 29.7	+21 52 48	249	P/1998 U3	1999 04 09.52344	07 16 14.40	+17 26 32.4	347
Geocentric position (AU)	+0.00364808	+0.00989759	+0.00362837		C/1998 U5 (LINEAR)				
C/1998 M9	1998 06 21.67718	05 55 36.8	+21 54 44	249	C/1998 U5	1998 11 23.54347	23 13 02.37	+50 45 15.0	347
Geocentric position (AU)	+0.00364684	+0.00989767	+0.00362870		C/1998 U5	1998 11 23.54606	23 12 59.90	+50 44 55.1	347
C/1998 M9	1998 06 21.69108	05 55 41.3	+21 57 07	249	C/1998 U5	1998 11 23.54838	23 12 57.68	+50 44 37.9	347
Geocentric position (AU)	+0.00364552	+0.00989775	+0.00362905		C/1998 U5	1998 12 19.42905	21 18 57.87	+21 54 05.2	11.3 T 347
C/1998 M9	1998 06 21.70496	05 55 46.1	+21 59 27	249	C/1998 U5	1998 12 19.43677	21 18 57.45	+21 53 52.6	347
Geocentric position (AU)	+0.00364420	+0.00989783	+0.00362940		C/1998 U5	1998 12 22.44295	21 16 29.25	+20 39 44.7	10.9 T 347
C/1998 M9	1998 06 21.71932	05 55 52.3	+22 02 10	249	C/1998 U5	1998 12 22.44567	21 16 29.04	+20 39 42.3	11.3 T 347
Geocentric position (AU)	+0.00364284	+0.00989792	+0.00362976		C/1998 U5	1998 12 22.44884	21 16 29.02	+20 39 36.8	11.4 T 347
C/1998 M9	1998 06 21.73407	05 55 58.8	+22 04 59	249	C/1999 E1 (Li)				
Geocentric position (AU)	+0.00364144	+0.00989801	+0.00363013		C/1999 E1	2000 05 29.51111	10 17 11.26	+36 57 24.8	17.4 T 360
C/1998 M9	1998 06 21.74736	05 56 04.9	+22 07 28	249	C/1999 E1	2000 05 29.51493	10 17 11.41	+36 57 24.4	360
Geocentric position (AU)	+0.00364017	+0.00989808	+0.00363047		C/1999 F2 (Dalcanton)				
C/1998 M9	1998 06 21.76069	05 56 10.4	+22 10 09	249	C/1999 F2	2000 06 04.69028	17 16 13.46	+30 13 15.0	17.6 T 402
Geocentric position (AU)	+0.00363890	+0.00989816	+0.00363081		C/1999 F2	2000 06 04.69258	17 16 13.39	+30 13 14.7	402
C/1998 M9	1998 06 21.77441	05 56 17.8	+22 12 43	249	C/1999 F2	2000 06 04.70181	17 16 13.03	+30 13 17.4	402
Geocentric position (AU)	+0.00363760	+0.00989824	+0.00363115		C/1999 F2	2000 06 28.64956	17 06 07.76	+30 45 53.7	17.8 T 402
C/1998 M9	1998 06 21.78895	05 56 24.1	+22 15 47	249					
Geocentric position (AU)	+0.00363621	+0.00989832	+0.00363152						

C/1999 F2	2000 06 28.65185	17 06 07.77	+30 45 53.1	402	C/1999 G5	1999 04 11.32923	01 22 56.1	+07 25 48	249	
C/1999 F2	2000 06 28.65418	17 06 07.52	+30 45 52.7	402	Geocentric position (AU)	+0.00793864	+0.00694963	+0.00250939		
C/1999 F2	2000 07 06.26060	17 03 23.19	+30 40 50.4	17.2 T	699	C/1999 G5	1999 04 11.33756	01 22 46.8	+07 27 01	249
C/1999 F2	2000 07 06.26987	17 03 23.10	+30 40 50.8	699	Geocentric position (AU)	+0.00793824	+0.00695052	+0.00250955		
C/1999 F2	2000 07 06.27913	17 03 22.82	+30 40 48.5	699	C/1999 G5	1999 04 11.35423	01 22 24.7	+07 29 37	249	
C/1999 F2	2000 07 06.30513	17 03 22.26	+30 40 46.6	699	Geocentric position (AU)	+0.00793745	+0.00695229	+0.00250987		
C/1999 G3 (SOHO)										
C/1999 G3	1999 04 02.02090	00 50 55.4	+03 57 40	249	Geocentric position (AU)	+0.00793666	+0.00695407	+0.00251018		
Geocentric position (AU)	+0.00837457	+0.00582738	+0.00229158		C/1999 H1 (Lee)					
C/1999 G3	1999 04 02.03756	00 50 38.5	+03 59 22	249	C/1999 H1	1999 05 17.46968	08 57 36.30	-16 29 41.1	347	
Geocentric position (AU)	+0.00837376	+0.00582966	+0.00229206		C/1999 H1	1999 05 17.47222	08 57 35.93	-16 29 24.9	347	
C/1999 G3	1999 04 02.06342	00 50 09.0	+04 01 51	249	C/1999 H1	1999 05 20.47600	08 50 57.03	-11 15 13.0	10.2 T	347
Geocentric position (AU)	+0.00837250	+0.00583318	+0.00229282		C/1999 H1	1999 05 20.47912	08 50 56.60	-11 14 53.9	10.3 T	347
C/1999 G3	1999 04 02.07923	00 49 53.6	+04 04 06	249	C/1999 H1	1999 05 20.48129	08 50 56.36	-11 14 41.7	10.0 T	347
Geocentric position (AU)	+0.00837174	+0.00583533	+0.00229328		C/1999 H1	1999 06 09.47332	08 26 07.24	+11 28 55.1		347
C/1999 G3	1999 04 02.08756	00 49 38.7	+04 04 56	249	C/1999 H1	1999 06 09.47647	08 26 07.08	+11 29 03.2		347
Geocentric position (AU)	+0.00837133	+0.00583647	+0.00229352		C/1999 H1	1999 06 09.47940	08 26 06.95	+11 29 11.6		347
C/1999 G3	1999 04 02.10423	00 49 18.8	+04 06 43	249	C/1999 H1	1999 10 23.61595	22 49 18.31	+23 45 49.6	12.5 T	347
Geocentric position (AU)	+0.00837052	+0.00583874	+0.00229401		C/1999 H1	1999 10 23.62022	22 49 17.75	+23 45 34.6	12.3 T	347
C/1999 G3	1999 04 02.12090	00 48 57.2	+04 08 42	249	C/1999 H1	1999 10 23.62322	22 49 17.25	+23 45 22.9	12.3 T	347
Geocentric position (AU)	+0.00836972	+0.00584100	+0.00229450		C/1999 H1	1999 11 05.52528	22 30 14.59	+13 33 54.2	12.5 T	347
C/1999 G4 (SOHO)					C/1999 H1	1999 11 05.52951	22 30 14.32	+13 33 44.9	12.4 T	347
C/1999 G4	1999 04 03.49591	00 56 17.3	+04 31 24	249	C/1999 H1	1999 11 05.53422	22 30 14.11	+13 33 34.6		347
Geocentric position (AU)	+0.00830363	+0.00602427	+0.00233301		C/1999 H1	1999 11 13.49258	22 25 34.66	+09 29 52.7		347
C/1999 G4	1999 04 03.50423	00 56 10.0	+04 33 21	249	C/1999 H1	1999 11 13.49792	22 25 34.53	+09 29 44.9		347
Geocentric position (AU)	+0.00830324	+0.00602536	+0.00233324		C/1999 H1	1999 11 13.50333	22 25 34.44	+09 29 36.2		347
C/1999 G4	1999 04 03.52090	00 55 50.4	+04 34 49	249	C/1999 H1	1999 11 28.45699	22 24 21.47	+04 39 45.0	13.9 T	347
Geocentric position (AU)	+0.00830244	+0.00602754	+0.00233369		C/1999 H1	1999 11 28.46046	22 24 21.53	+04 39 42.4	14.0 T	347
C/1999 G4	1999 04 03.53756	00 55 31.2	+04 36 32	249	C/1999 H1	1999 11 28.46697	22 24 21.50	+04 39 35.9		347
Geocentric position (AU)	+0.00830165	+0.00602971	+0.00233414		C/1999 H3 (LINEAR)					
C/1999 G4	1999 04 03.56345	00 55 00.2	+04 39 17	249	C/1999 H3	2000 05 29.47778	10 46 22.53	+32 44 31.0	15.7 T	360
Geocentric position (AU)	+0.00830042	+0.00603309	+0.00233483		C/1999 H3	2000 05 29.48021	10 46 22.43	+32 44 29.3		360
C/1999 G4	1999 04 03.57923	00 54 40.1	+04 40 59	249	C/1999 H3	2000 06 07.49478	10 43 17.42	+31 02 14.9		900
Geocentric position (AU)	+0.00829967	+0.00603515	+0.00233526		C/1999 H3	2000 06 07.50851	10 43 17.09	+31 02 06.3		900
C/1999 G4	1999 04 03.58756	00 54 29.8	+04 41 53	249	C/1999 H3	2000 06 19.86910	10 41 28.08	+28 47 23.4		118
Geocentric position (AU)	+0.00829927	+0.00603623	+0.00233548		C/1999 H3	2000 06 19.87478	10 41 28.05	+28 47 19.8	15.6 T	118
C/1999 G4	1999 04 03.60423	00 54 08.1	+04 43 45	249	C/1999 H3	2000 07 08.46630	10 42 35.91	+25 38 30.6		349
Geocentric position (AU)	+0.00829848	+0.00603840	+0.00233593		C/1999 H3	2000 07 08.46836	10 42 35.83	+25 38 30.1		349
C/1999 G4	1999 04 03.62090	00 53 46.1	+04 45 54	249	C/1999 H3	2000 07 08.47271	10 42 36.02	+25 38 24.7	16.1 T	349
Geocentric position (AU)	+0.00829769	+0.00604058	+0.00233638		C/1999 H5 (SOHO)					
C/1999 G5 (SOHO)					C/1999 H5	1999 04 24.45454	02 12 27.2	+11 42 37	249	
C/1999 G5	1999 04 11.24590	01 24 26.0	+07 15 40	249	Geocentric position (AU)	+0.00727103	+0.00800096	+0.00266827		
Geocentric position (AU)	+0.00794259	+0.00694074	+0.00250781		C/1999 H5	1999 04 24.47923	02 12 08.1	+11 45 41	249	
C/1999 G5	1999 04 11.25456	01 24 16.6	+07 16 31	249	Geocentric position (AU)	+0.00726990	+0.00800222	+0.00266839		
Geocentric position (AU)	+0.00794218	+0.00694166	+0.00250798		C/1999 H5	1999 04 24.49614	02 11 54.2	+11 47 48	249	
C/1999 G5	1999 04 11.27090	01 23 59.3	+07 18 31	249	Geocentric position (AU)	+0.00726913	+0.00800308	+0.00266847		
Geocentric position (AU)	+0.00794140	+0.00694341	+0.00250829		C/1999 H5	1999 04 24.50423	02 11 47.0	+11 48 59	249	
C/1999 G5	1999 04 11.28756	01 23 42.2	+07 20 39	249	Geocentric position (AU)	+0.00726876	+0.00800349	+0.00266850		
Geocentric position (AU)	+0.00794061	+0.00694519	+0.00250860		C/1999 H5	1999 04 24.52090	02 11 33.1	+11 51 16	249	
C/1999 G5	1999 04 11.31346	01 23 13.6	+07 23 53	249	Geocentric position (AU)	+0.00726800	+0.00800434	+0.00266858		
Geocentric position (AU)	+0.00793938	+0.00694795	+0.00250909							

C/1999 H5	1999 04 24.53756	02 11 18.5	+11 53 39	249	C/1999 J2	2000 05 28.68948	15 46 29.91	+37 08 09.2	16.1 T	349	
Geocentric position (AU)	+0.00726725	+0.00800519	+0.00266866		C/1999 J2	2000 05 28.69291	15 46 29.79	+37 08 08.5		349	
C/1999 H5	1999 04 24.56337	02 10 56.0	+11 57 13	249	C/1999 J2	2000 05 29.66875	15 45 42.67	+37 03 30.9	15.6 T	360	
Geocentric position (AU)	+0.00726607	+0.00800650	+0.00266878		C/1999 J2	2000 05 29.67188	15 45 42.52	+37 03 30.1		360	
C/1999 H5	1999 04 24.57923	02 10 42.0	+11 59 30	249	C/1999 J2	2000 05 29.68726	15 45 41.88	+37 03 24.5	15.8 T	349	
Geocentric position (AU)	+0.00726535	+0.00800731	+0.00266885		C/1999 J2	2000 05 29.68950	15 45 41.67	+37 03 23.5		349	
C/1999 H5	1999 04 24.58756	02 10 34.6	+12 00 39	249	C/1999 J2	2000 05 29.69910	15 45 41.32	+37 03 21.6		349	
Geocentric position (AU)	+0.00726498	+0.00800773	+0.00266889		C/1999 J2	2000 06 01.55950	15 43 24.98	+36 48 59.9	15.9 T	352	
C/1999 H5	1999 04 24.60424	02 10 19.3	+12 03 21	249	C/1999 J2	2000 06 01.56367	15 43 24.76	+36 48 58.4		352	
Geocentric position (AU)	+0.00726422	+0.00800857	+0.00266897		C/1999 J2	2000 06 01.56784	15 43 24.55	+36 48 57.1		352	
C/1999 H5	1999 04 24.62091	02 10 03.6	+12 05 46	249	C/1999 J2	2000 06 01.57109	15 43 24.30	+36 48 56.3		900	
Geocentric position (AU)	+0.00726346	+0.00800942	+0.00266905		C/1999 J2	2000 06 01.58890	15 43 23.47	+36 48 50.2	15.7 T	900	
C/1999 H6 (SOHO)					C/1999 J2	2000 06 01.67780	15 43 19.41	+36 48 22.4	15.8 T	349	
C/1999 H6	1999 04 28.72923	02 27 33.5	+12 58 55	249	C/1999 J2	2000 06 01.68034	15 43 19.27	+36 48 21.3		349	
Geocentric position (AU)	+0.00709817	+0.00819222	+0.00268324		C/1999 J2	2000 06 04.69838	15 40 58.58	+36 31 54.4	15.6 T	348	
C/1999 H6	1999 04 28.74590	02 27 22.4	+13 01 08	249	C/1999 J2	2000 06 04.69953	15 40 58.45	+36 31 54.8	15.4 T	300	
Geocentric position (AU)	+0.00709759	+0.00819288	+0.00268328		C/1999 J2	2000 06 04.70552	15 40 58.15	+36 31 52.6		300	
C/1999 H6	1999 04 28.75423	02 27 16.5	+13 02 13	249	C/1999 J2	2000 06 04.71002	15 40 57.87	+36 31 50.6		348	
Geocentric position (AU)	+0.00709730	+0.00819321	+0.00268331		C/1999 J2	2000 06 04.71065	15 40 57.93	+36 31 50.6		300	
C/1999 H6	1999 04 28.77090	02 27 04.0	+13 04 41	249	C/1999 J2	2000 06 06.50856	15 39 35.93	+36 21 27.9	15.3 T	900	
Geocentric position (AU)	+0.00709671	+0.00819387	+0.00268335		C/1999 J2	2000 06 06.50903	15 39 35.85	+36 21 26.7	15.6 T	367	
C/1999 H6	1999 04 28.78757	02 26 49.5	+13 07 07	249	C/1999 J2	2000 06 06.51218	15 39 35.74	+36 21 26.0		367	
Geocentric position (AU)	+0.00709613	+0.00819453	+0.00268340		C/1999 J2	2000 06 06.51532	15 39 35.56	+36 21 24.8		367	
C/1999 H6	1999 04 28.81340	02 26 29.6	+13 10 45	249	C/1999 J2	2000 06 06.52246	15 39 35.26	+36 21 22.9		900	
Geocentric position (AU)	+0.00709522	+0.00819555	+0.00268347		C/1999 J2	2000 06 06.54063	15 39 34.42	+36 21 16.0	15.6 T	360	
C/1999 H7 (SOHO)					C/1999 J2	2000 06 06.54306	15 39 34.31	+36 21 15.2		360	
C/1999 H7	1999 04 20.41288	01 57 17.3	+10 21 26	249	C/1999 J2	2000 06 06.70972	15 39 26.77	+36 20 15.3	15.7 T	349	
Geocentric position (AU)	+0.00747170	+0.00776080	+0.00264101		C/1999 J2	2000 06 06.71186	15 39 26.70	+36 20 15.6		349	
C/1999 H7	1999 04 20.43758	01 56 55.4	+10 24 43	249	C/1999 J2	2000 06 07.50764	15 38 50.88	+36 15 29.7	15.2 T	367	
Geocentric position (AU)	+0.00747040	+0.00776249	+0.00264123		C/1999 J2	2000 06 07.51076	15 38 50.72	+36 15 28.2		367	
C/1999 H7	1999 04 20.45423	01 56 40.3	+10 26 59	249	C/1999 J2	2000 06 07.51389	15 38 50.58	+36 15 27.7		367	
Geocentric position (AU)	+0.00746953	+0.00776363	+0.00264138		C/1999 J2	2000 06 14.66329	15 33 42.11	+35 29 08.5		349	
C/1999 H7	1999 04 20.46256	01 56 31.9	+10 28 41	249	C/1999 J2	2000 06 15.54734	15 33 05.73	+35 23 00.5		355	
Geocentric position (AU)	+0.00746909	+0.00776420	+0.00264146		C/1999 J2	2000 06 15.55490	15 33 05.42	+35 22 57.8	15.9 T	355	
C/1999 H7	1999 04 20.47923	01 56 17.2	+10 30 50	249	C/1999 J2	2000 06 15.55896	15 33 05.23	+35 22 55.6		355	
Geocentric position (AU)	+0.00746821	+0.00776534	+0.00264161		C/1999 J2	2000 06 15.65049	15 33 01.46	+35 22 16.8	16.1 T	349	
C/1999 H7	1999 04 20.49590	01 56 05.3	+10 32 40	249	C/1999 J2	2000 06 15.65187	15 33 01.39	+35 22 16.6		349	
Geocentric position (AU)	+0.00746733	+0.00776648	+0.00264176		C/1999 J2	2000 06 15.65407	15 33 01.34	+35 22 15.5		349	
C/1999 H7	1999 04 20.50423	01 55 52.5	+10 33 44	249	C/1999 J2	2000 06 19.53698	15 30 27.23	+34 54 09.2		300	
Geocentric position (AU)	+0.00746689	+0.00776704	+0.00264183		C/1999 J2	2000 06 19.54363	15 30 26.97	+34 54 06.3		300	
C/1999 J2 (Skiff)					C/1999 J2	2000 06 19.58037	15 30 25.53	+34 53 49.6	16.0 T	402	
C/1999 J2	1999 09 23.49550	15 37 41.58	+44 48 22.3	347	C/1999 J2	2000 06 19.58163	15 30 25.48	+34 53 49.2		402	
C/1999 J2	1999 09 23.50485	15 37 41.97	+44 48 16.1	347	C/1999 J2	2000 06 19.58289	15 30 25.40	+34 53 48.6		402	
C/1999 J2	2000 05 14.69368	15 58 03.40	+37 59 20.2	15.7 T	349	C/1999 J2	2000 06 19.97287	15 30 10.46	+34 50 54.4	15.7 T	118
C/1999 J2	2000 05 14.69516	15 58 03.35	+37 59 19.1	349	C/1999 J2	2000 06 19.97513	15 30 10.39	+34 50 53.2		118	
C/1999 J2	2000 05 14.69999	15 58 03.14	+37 59 19.1	349	C/1999 J2	2000 06 22.29562	15 28 42.97	+34 33 16.7	17.9 T	704	
C/1999 J2	2000 05 24.67911	15 49 45.90	+37 25 44.7	15.8 T	349	C/1999 J2	2000 06 22.30774	15 28 42.55	+34 33 08.9	18.5 T	704
C/1999 J2	2000 05 24.68477	15 49 45.50	+37 25 44.2	349	C/1999 J2	2000 06 22.31987	15 28 41.95	+34 33 02.1	18.3 T	704	
C/1999 J2	2000 05 24.69249	15 49 45.16	+37 25 41.6	349	C/1999 J2	2000 06 22.33200	15 28 41.56	+34 32 54.7	17.9 T	704	
C/1999 J2	2000 05 25.67020	15 48 57.01	+37 21 36.6	903	C/1999 J2	2000 06 24.17904	15 27 34.66	+34 18 30.9	18.2 T	704	
C/1999 J2	2000 05 25.67974	15 48 56.66	+37 21 34.8	15.9 T	903	C/1999 J2	2000 06 24.19179	15 27 34.23	+34 18 23.3	18.1 T	704
					C/1999 J2	2000 06 24.20445	15 27 33.81	+34 18 16.6	18.2 T	704	
					C/1999 J2	2000 06 24.21705	15 27 33.36	+34 18 10.2	18.2 T	704	

C/1999 J2	2000 06 24.22965	15 27 32.81	+34 18 03.9	17.6 T	704
C/1999 J2	2000 06 27.90256	15 25 25.94	+33 48 23.7	16.5 N	170
C/1999 J2	2000 06 28.67417	15 25 00.36	+33 41 58.9	16.1 T	402
C/1999 J2	2000 06 28.67669	15 25 00.26	+33 41 58.0		402
C/1999 J2	2000 06 28.67921	15 25 00.18	+33 41 57.1		402
C/1999 J2	2000 06 29.91139	15 24 20.38	+33 31 37.7	16.8 N	170
C/1999 J2	2000 06 30.54896	15 23 59.98	+33 26 15.1	15.7 T	360
C/1999 J2	2000 06 30.55139	15 23 59.91	+33 26 13.8		360
C/1999 J2	2000 07 01.55066	15 23 28.69	+33 17 43.7		349
C/1999 J2	2000 07 01.55292	15 23 28.71	+33 17 41.3	16.0 T	349
C/1999 J2	2000 07 01.55535	15 23 28.62	+33 17 41.4		349
C/1999 J2	2000 07 04.19142	15 22 09.46	+32 54 51.4	17.7 T	762
C/1999 J2	2000 07 04.20425	15 22 09.15	+32 54 44.6	17.9 T	762
C/1999 J2	2000 07 04.21327	15 22 08.91	+32 54 39.9	17.3 T	762
C/1999 J2	2000 07 05.50607	15 21 31.85	+32 43 17.6	15.4 T	900
C/1999 J2	2000 07 05.52166	15 21 31.42	+32 43 09.2		900
C/1999 J2	2000 07 08.49382	15 20 10.81	+32 16 33.9	15.3 T	900
C/1999 J2	2000 07 08.50777	15 20 10.41	+32 16 26.1		900
C/1999 J2	2000 07 08.53925	15 20 09.60	+32 16 09.1		349
C/1999 J2	2000 07 08.54162	15 20 09.57	+32 16 07.8		349
C/1999 J2	2000 07 08.54419	15 20 09.42	+32 16 06.9	16.0 T	349
C/1999 J2	2000 07 10.20751	15 19 27.14	+32 00 59.8	17.5 T	704
C/1999 J2	2000 07 10.21982	15 19 26.80	+32 00 53.1	17.9 T	704
C/1999 J2	2000 07 10.23209	15 19 26.51	+32 00 46.5	18.7 T	704
C/1999 J2	2000 07 10.24432	15 19 26.09	+32 00 38.9	17.5 T	704
C/1999 J2	2000 07 11.16086	15 19 03.73	+31 52 15.8	17.4 T	704
C/1999 J2	2000 07 11.17341	15 19 03.47	+31 52 08.7	17.3 T	704
C/1999 J2	2000 07 11.18595	15 19 03.06	+31 52 00.5	17.0 T	704
C/1999 J2	2000 07 19.60424	15 16 04.15	+30 32 54.8	16.5 T	402
C/1999 J2	2000 07 19.60677	15 16 04.08	+30 32 52.9		402
C/1999 J2	2000 07 19.60929	15 16 04.06	+30 32 51.2		402
C/1999 J2	2000 07 21.52986	15 15 30.16	+30 14 25.6	16.0 T	360
C/1999 J2	2000 07 21.53229	15 15 30.10	+30 14 24.2		360
C/1999 J2	2000 07 21.55317	15 15 29.82	+30 14 12.2		900
C/1999 J2	2000 07 21.56658	15 15 29.45	+30 14 04.5	15.6 T	900

C/1999 J12 (SOHO)

C/1999 J12	1999 05 03.03478	02 43 09.6	+14 09 58		249
Geocentric position (AU)	+0.00696583	+0.00835073	+0.00269652		
C/1999 J12	1999 05 03.06029	02 42 54.0	+14 13 21		249
Geocentric position (AU)	+0.00696514	+0.00835162	+0.00269662		
C/1999 J12	1999 05 03.07645	02 42 44.2	+14 15 31		249
Geocentric position (AU)	+0.00696470	+0.00835218	+0.00269668		
C/1999 J12	1999 05 03.08756	02 42 38.0	+14 17 12		249
Geocentric position (AU)	+0.00696440	+0.00835257	+0.00269672		
C/1999 J12	1999 05 03.10145	02 42 29.3	+14 19 05		249
Geocentric position (AU)	+0.00696403	+0.00835306	+0.00269678		
C/1999 J12	1999 05 03.11812	02 42 19.1	+14 21 34		249
Geocentric position (AU)	+0.00696358	+0.00835364	+0.00269684		
C/1999 J12	1999 05 03.12923	02 42 12.2	+14 22 58		249
Geocentric position (AU)	+0.00696328	+0.00835403	+0.00269688		
C/1999 J12	1999 05 03.14312	02 42 04.7	+14 25 24		249
Geocentric position (AU)	+0.00696291	+0.00835451	+0.00269694		

C/1999 J12	1999 05 03.15978	02 41 52.9	+14 27 48		249
Geocentric position (AU)	+0.00696246	+0.00835509	+0.00269700		

C/1999 K5 (LINEAR)

C/1999 K5	2000 07 10.54383	05 23 20.45	-75 11 44.6	13.7 N	467
C/1999 K5	2000 07 10.54737	05 23 21.77	-75 11 44.0	13.6 N	467
C/1999 K5	2000 07 10.55130	05 23 23.24	-75 11 42.9	13.6 N	467
C/1999 K5	2000 07 24.29822	06 37 19.90	-73 48 32.6	13.4 T	467
C/1999 K5	2000 07 24.30179	06 37 20.86	-73 48 31.1	13.3 T	467
C/1999 K5	2000 07 24.30657	06 37 22.26	-73 48 28.5	13.4 T	467

C/1999 K8 (LINEAR)

C/1999 K8	1999 10 23.57491	21 19 29.60	+25 13 01.8		347
C/1999 K8	1999 10 23.58289	21 19 29.71	+25 12 55.6	15.7 T	347
C/1999 K8	1999 10 23.59044	21 19 29.88	+25 12 49.1	14.8 T	347
C/1999 K8	2000 06 04.74007	01 09 14.83	+13 58 59.9	14.7 T	349
C/1999 K8	2000 06 04.75089	01 09 15.35	+13 58 58.8		402
C/1999 K8	2000 06 04.75182	01 09 15.30	+13 58 55.6	15.0 T	402
C/1999 K8	2000 06 04.75278	01 09 15.44	+13 58 56.2		402
C/1999 K8	2000 06 06.73231	01 11 05.97	+13 57 27.8	15.0 T	349
C/1999 K8	2000 06 07.73146	01 12 01.18	+13 56 39.0		349
C/1999 K8	2000 06 07.73262	01 12 01.32	+13 56 37.7	14.3 T	349
C/1999 K8	2000 06 19.73385	01 22 30.43	+13 40 18.8	16.2 T	402
C/1999 K8	2000 06 19.73764	01 22 30.51	+13 40 20.9		402
C/1999 K8	2000 06 19.74017	01 22 30.82	+13 40 18.6		402
C/1999 K8	2000 07 08.76888	01 36 41.65	+12 48 21.3	14.9 T	900
C/1999 K8	2000 07 08.78283	01 36 42.28	+12 48 18.2		900
C/1999 K8	2000 07 19.71292	01 43 12.75	+12 01 11.8	15.4 T	402
C/1999 K8	2000 07 19.71545	01 43 12.83	+12 01 10.8		402
C/1999 K8	2000 07 19.71799	01 43 12.92	+12 01 09.8		402

C/1999 L6 (SOHO)

C/1999 L6	1999 06 01.29867	04 34 36.8	+20 17 32		249
Geocentric position (AU)	+0.00596253	+0.00902419	+0.00304693		
C/1999 L6	1999 06 01.30562	04 34 39.3	+20 17 44		249
Geocentric position (AU)	+0.00596222	+0.00902431	+0.00304708		
C/1999 L6	1999 06 01.31256	04 34 38.2	+20 19 19		249
Geocentric position (AU)	+0.00596192	+0.00902444	+0.00304724		
C/1999 L6	1999 06 01.31953	04 34 37.2	+20 20 43		249
Geocentric position (AU)	+0.00596160	+0.00902456	+0.00304739		
C/1999 L6	1999 06 01.32663	04 34 36.8	+20 21 45		249
Geocentric position (AU)	+0.00596129	+0.00902469	+0.00304755		
C/1999 L6	1999 06 01.35562	04 34 34.4	+20 27 12		249
Geocentric position (AU)	+0.00595999	+0.00902521	+0.00304819		
C/1999 L6	1999 06 01.36813	04 34 33.8	+20 29 30		249
Geocentric position (AU)	+0.00595943	+0.00902544	+0.00304847		
C/1999 L6	1999 06 01.38305	04 34 33.1	+20 32 38		249
Geocentric position (AU)	+0.00595877	+0.00902571	+0.00304880		
C/1999 L6	1999 06 01.38895	04 34 31.1	+20 33 26		249
Geocentric position (AU)	+0.00595850	+0.00902581	+0.00304893		
C/1999 L6	1999 06 01.40284	04 34 30.4	+20 36 29		249
Geocentric position (AU)	+0.00595788	+0.00902607	+0.00304924		
C/1999 L6	1999 06 01.41000	04 34 29.8	+20 37 56		249
Geocentric position (AU)	+0.00595756	+0.00902619	+0.00304940		

C/1999 L6 1999 06 01.42367 04 34 30.5 +20 40 47 249
 Geocentric position (AU) +0.00595695 +0.00902644 +0.00304970
 C/1999 L6 1999 06 01.43062 04 34 29.4 +20 41 44 249
 Geocentric position (AU) +0.00595663 +0.00902657 +0.00304986
 C/1999 L6 1999 06 01.44453 04 34 27.9 +20 44 48 249
 Geocentric position (AU) +0.00595601 +0.00902682 +0.00305017
 C/1999 L6 1999 06 01.45164 04 34 28.5 +20 46 34 249
 Geocentric position (AU) +0.00595569 +0.00902695 +0.00305033

C/1999 L7 (SOHO)

C/1999 L7 1999 06 03.12923 04 40 30.6 +20 25 14 249
 Geocentric position (AU) +0.00587654 +0.00905921 +0.00308956
 C/1999 L7 1999 06 03.14312 04 40 30.8 +20 27 02 249
 Geocentric position (AU) +0.00587585 +0.00905949 +0.00308990
 C/1999 L7 1999 06 03.15979 04 40 30.7 +20 29 37 249
 Geocentric position (AU) +0.00587503 +0.00905983 +0.00309030
 C/1999 L7 1999 06 03.18479 04 40 31.0 +20 33 53 249
 Geocentric position (AU) +0.00587378 +0.00906034 +0.00309092
 C/1999 L7 1999 06 03.20145 04 40 31.3 +20 36 42 249
 Geocentric position (AU) +0.00587295 +0.00906068 +0.00309132
 C/1999 L7 1999 06 03.21258 04 40 31.3 +20 38 35 249
 Geocentric position (AU) +0.00587240 +0.00906090 +0.00309160
 C/1999 L7 1999 06 03.22646 04 40 31.8 +20 41 05 249
 Geocentric position (AU) +0.00587170 +0.00906119 +0.00309194
 C/1999 L7 1999 06 03.24314 04 40 32.1 +20 44 06 249
 Geocentric position (AU) +0.00587087 +0.00906153 +0.00309235
 C/1999 L7 1999 06 03.25423 04 40 32.2 +20 46 08 249
 Geocentric position (AU) +0.00587031 +0.00906175 +0.00309262
 C/1999 L7 1999 06 03.26812 04 40 33.2 +20 48 32 249
 Geocentric position (AU) +0.00586962 +0.00906204 +0.00309296
 C/1999 L7 1999 06 03.28479 04 40 33.7 +20 51 39 249
 Geocentric position (AU) +0.00586878 +0.00906238 +0.00309337
 C/1999 L7 1999 06 03.31033 04 40 34.7 +20 56 25 249
 Geocentric position (AU) +0.00586750 +0.00906290 +0.00309400
 C/1999 L7 1999 06 03.32645 04 40 35.6 +20 59 31 249
 Geocentric position (AU) +0.00586669 +0.00906323 +0.00309440
 C/1999 L7 1999 06 03.33756 04 40 36.2 +21 01 36 249
 Geocentric position (AU) +0.00586613 +0.00906346 +0.00309467
 C/1999 L7 1999 06 03.35145 04 40 37.3 +21 04 24 249
 Geocentric position (AU) +0.00586543 +0.00906374 +0.00309502
 C/1999 L7 1999 06 03.36812 04 40 39.0 +21 07 34 249
 Geocentric position (AU) +0.00586459 +0.00906408 +0.00309543
 C/1999 L7 1999 06 03.37923 04 40 39.6 +21 10 04 249
 Geocentric position (AU) +0.00586403 +0.00906431 +0.00309570
 C/1999 L7 1999 06 03.39312 04 40 41.3 +21 12 47 249
 Geocentric position (AU) +0.00586333 +0.00906460 +0.00309605
 C/1999 L7 1999 06 03.40979 04 40 41.8 +21 16 30 249
 Geocentric position (AU) +0.00586249 +0.00906494 +0.00309646

C/1999 L8 (SOHO)

C/1999 L8 1999 06 06.31032 04 54 14.9 +20 52 43 249
 Geocentric position (AU) +0.00570040 +0.00912857 +0.00317316
 C/1999 L8 1999 06 06.32645 04 54 15.7 +20 55 38 249
 Geocentric position (AU) +0.00569940 +0.00912894 +0.00317361

C/1999 L8 1999 06 06.33756 04 54 16.0 +20 57 41 249
 Geocentric position (AU) +0.00569871 +0.00912920 +0.00317393
 C/1999 L8 1999 06 06.35145 04 54 16.5 +21 00 26 249
 Geocentric position (AU) +0.00569785 +0.00912951 +0.00317431
 C/1999 L8 1999 06 06.36812 04 54 16.2 +21 03 46 249
 Geocentric position (AU) +0.00569682 +0.00912990 +0.00317478
 C/1999 L8 1999 06 06.37923 04 54 16.4 +21 05 49 249
 Geocentric position (AU) +0.00569613 +0.00913015 +0.00317509
 C/1999 L8 1999 06 06.39312 04 54 17.2 +21 08 35 249
 Geocentric position (AU) +0.00569527 +0.00913047 +0.00317548
 C/1999 L8 1999 06 06.40979 04 54 16.3 +21 11 23 249
 Geocentric position (AU) +0.00569423 +0.00913086 +0.00317595
 C/1999 L8 1999 06 06.43480 04 54 19.0 +21 17 08 249
 Geocentric position (AU) +0.00569268 +0.00913143 +0.00317665
 C/1999 L8 1999 06 06.45147 04 54 20.0 +21 20 44 249
 Geocentric position (AU) +0.00569164 +0.00913182 +0.00317712
 C/1999 L8 1999 06 06.46256 04 54 20.9 +21 23 14 249
 Geocentric position (AU) +0.00569095 +0.00913207 +0.00317744
 C/1999 L8 1999 06 06.47645 04 54 21.9 +21 26 11 249
 Geocentric position (AU) +0.00569008 +0.00913239 +0.00317783
 C/1999 L8 1999 06 06.49312 04 54 24.8 +21 30 22 249
 Geocentric position (AU) +0.00568904 +0.00913277 +0.00317830
 C/1999 L8 1999 06 06.50424 04 54 24.7 +21 32 31 249
 Geocentric position (AU) +0.00568834 +0.00913303 +0.00317861

C/1999 N2 (Lynn)

C/1999 N2 1999 07 31.45186 11 56 34.48 +13 21 43.5 347
 C/1999 N2 1999 07 31.45508 11 56 35.22 +13 21 55.1 347
 C/1999 N2 1999 07 31.45905 11 56 36.14 +13 22 09.4 347
 C/1999 N2 1999 08 03.45398 12 06 57.55 +16 04 35.5 347
 C/1999 N2 1999 08 03.46124 12 06 58.90 +16 04 57.2 347
 C/1999 N2 1999 08 19.45360 12 40 40.31 +25 19 21.3 347
 C/1999 N2 1999 08 19.45898 12 40 40.75 +25 19 29.2 347

C/1999 N4 (LINEAR)

C/1999 N4 2000 05 29.70479 17 11 23.53 +05 08 03.9 16.9 T 402
 C/1999 N4 2000 05 29.70940 17 11 23.19 +05 08 04.3 402
 C/1999 N4 2000 05 29.71400 17 11 22.76 +05 08 05.3 402
 C/1999 N4 2000 05 29.72222 17 11 22.07 +05 08 06.3 16.4 T 360
 C/1999 N4 2000 05 29.72674 17 11 21.72 +05 08 07.3 360
 C/1999 N4 2000 06 01.57813 17 07 30.11 +05 15 41.1 15.9 T 352
 C/1999 N4 2000 06 01.58229 17 07 29.84 +05 15 42.3 352
 C/1999 N4 2000 06 01.58646 17 07 29.51 +05 15 43.3 352
 C/1999 N4 2000 06 06.53888 17 00 44.64 +05 26 44.0 16.5 T 367
 C/1999 N4 2000 06 06.54201 17 00 44.31 +05 26 45.0 367
 C/1999 N4 2000 06 06.54514 17 00 44.12 +05 26 45.1 367
 C/1999 N4 2000 06 06.59112 17 00 40.31 +05 26 50.6 16.2 T 900
 C/1999 N4 2000 06 06.60499 17 00 39.15 +05 26 52.3 900
 C/1999 N4 2000 06 07.52811 16 59 23.65 +05 28 36.0 16.1 T 367
 C/1999 N4 2000 06 07.53125 16 59 23.42 +05 28 36.2 367
 C/1999 N4 2000 06 07.53715 16 59 22.93 +05 28 37.2 367
 C/1999 N4 2000 06 07.60434 16 59 17.40 +05 28 44.5 16.4 T 360
 C/1999 N4 2000 06 07.60851 16 59 17.05 +05 28 44.9 360
 C/1999 N4 2000 06 07.63999 16 59 14.46 +05 28 48.1 16.9 T 402

C/1999 N4	2000 06 07.64229	16 59 14.25	+05 28 48.8		402
C/1999 N4	2000 06 07.64459	16 59 14.07	+05 28 49.2		402
C/1999 N4	2000 06 09.46548	16 56 45.24	+05 31 58.0	17.5 T	608
C/1999 N4	2000 06 09.47644	16 56 44.36	+05 31 58.8	17.4 T	608
C/1999 N4	2000 06 09.48696	16 56 43.48	+05 31 59.7	17.7 T	608
C/1999 N4	2000 06 19.64617	16 43 06.20	+05 42 23.6	16.0 T	402
C/1999 N4	2000 06 19.65078	16 43 05.82	+05 42 24.5		402
C/1999 N4	2000 06 19.65539	16 43 05.52	+05 42 23.5		402
C/1999 N4	2000 06 21.55572	16 40 36.55	+05 43 02.0	18.1 T	608
C/1999 N4	2000 06 21.56676	16 40 35.75	+05 43 02.0	18.1 T	608
C/1999 N4	2000 06 21.57751	16 40 34.86	+05 43 01.3	18.3 T	608
C/1999 N4	2000 06 30.56771	16 29 18.35	+05 40 35.3	16.5 T	360
C/1999 N4	2000 06 30.57153	16 29 18.05	+05 40 35.2		360
C/1999 N4	2000 07 01.57956	16 28 05.47	+05 39 46.9	16.5 T	349
C/1999 N4	2000 07 01.58163	16 28 05.35	+05 39 44.6		349
C/1999 N4	2000 07 01.58850	16 28 04.76	+05 39 47.1		349
C/1999 N4	2000 07 05.62656	16 23 21.91	+05 35 28.6	16.8 T	402
C/1999 N4	2000 07 05.62887	16 23 21.71	+05 35 28.8		402
C/1999 N4	2000 07 05.63117	16 23 21.63	+05 35 28.7		402
C/1999 N4	2000 07 06.25448	16 22 39.30	+05 34 41.4	16.9 T	704
C/1999 N4	2000 07 06.26757	16 22 38.25	+05 34 40.9	16.5 T	704
C/1999 N4	2000 07 06.28113	16 22 37.40	+05 34 38.3	16.8 T	704
C/1999 N4	2000 07 09.29591	16 19 16.37	+05 30 14.5	18.4 T	608
C/1999 N4	2000 07 09.30650	16 19 15.68	+05 30 13.7	18.5 T	608
C/1999 N4	2000 07 09.31697	16 19 15.01	+05 30 12.6	17.9 T	608
C/1999 N4	2000 07 21.53750	16 07 05.19	+05 04 39.8	16.8 T	360
C/1999 N4	2000 07 21.54132	16 07 04.97	+05 04 39.2		360

C/1999 S3 (LINEAR)

C/1999 S3	1999 10 23.59549	22 27 49.43	+58 48 32.5		347
C/1999 S3	1999 10 23.60135	22 27 47.26	+58 48 32.1	12.9 T	347
C/1999 S3	1999 10 23.60484	22 27 46.10	+58 48 32.2	12.8 T	347
C/1999 S3	1999 11 05.50993	21 24 10.17	+57 24 22.0	12.7 T	347
C/1999 S3	1999 11 05.51523	21 24 08.96	+57 24 18.7	12.7 T	347
C/1999 S3	1999 11 05.51881	21 24 08.15	+57 24 16.3		347
C/1999 S3	1999 11 13.46503	20 59 16.06	+55 58 01.5	12.8 T	347
C/1999 S3	1999 11 13.46872	20 59 15.48	+55 57 58.8	12.9 T	347
C/1999 S3	1999 11 13.47188	20 59 14.98	+55 57 56.9	12.8 T	347
C/1999 S3	1999 11 22.45006	20 41 19.44	+54 28 45.8		347
C/1999 S3	1999 11 22.45367	20 41 19.12	+54 28 44.1		347
C/1999 S3	1999 11 22.45700	20 41 18.73	+54 28 42.2		347
C/1999 S3	1999 11 28.47265	20 33 46.04	+53 42 03.3	13.1 T	347
C/1999 S3	1999 11 28.47789	20 33 45.73	+53 42 00.7	13.0 T	347
C/1999 S3	1999 11 28.48076	20 33 45.50	+53 41 59.6		347
C/1999 S3	1999 12 04.44547	20 28 56.22	+53 08 46.7	13.6 T	347
C/1999 S3	1999 12 04.44887	20 28 56.04	+53 08 46.3	13.4 T	347
C/1999 S3	1999 12 04.45225	20 28 55.84	+53 08 45.4	13.5 T	347
C/1999 S3	1999 12 11.40493	20 25 54.16	+52 47 41.8		347
C/1999 S3	1999 12 11.40855	20 25 54.09	+52 47 40.4		347
C/1999 S3	1999 12 11.41223	20 25 53.99	+52 47 40.9		347

C/1999 S4 (LINEAR)

C/1999 S4	2000 01 04.58624	02 08 51.97	+31 45 43.9	13.8 T	347
C/1999 S4	2000 01 04.58884	02 08 51.73	+31 45 41.6		347

C/1999 S4	2000 01 04.59397	02 08 51.17	+31 45 40.2		347
C/1999 S4	2000 02 01.47223	01 39 15.69	+27 50 39.9	14.2 T	347
C/1999 S4	2000 02 01.47419	01 39 15.70	+27 50 38.8	13.8 T	347
C/1999 S4	2000 02 01.47691	01 39 15.46	+27 50 36.9	14.2 T	347
C/1999 S4	2000 02 07.45935	01 36 07.16	+27 15 15.7	14.7 T	347
C/1999 S4	2000 02 07.46381	01 36 07.04	+27 15 14.2	14.5 T	347
C/1999 S4	2000 02 07.47056	01 36 06.85	+27 15 12.2	14.5 T	347
C/1999 S4	2000 02 23.43735	01 31 52.91	+26 10 20.0	14.6 T	347
C/1999 S4	2000 02 23.44155	01 31 52.97	+26 10 19.9	14.4 T	347
C/1999 S4	2000 05 24.75258	02 02 00.15	+31 00 43.8	11.6 T	349
C/1999 S4	2000 05 24.75359	02 02 00.14	+31 00 45.5		349
C/1999 S4	2000 05 24.76179	02 02 00.44	+31 00 50.3		349
C/1999 S4	2000 05 25.77278	02 02 32.45	+31 10 50.4	11.5 T	351
C/1999 S4	2000 05 25.77692	02 02 32.57	+31 10 50.9		351
C/1999 S4	2000 05 25.78029	02 02 32.70	+31 10 54.4		351
C/1999 S4	2000 05 26.75562	02 03 04.04	+31 20 48.1		349
C/1999 S4	2000 05 26.76943	02 03 04.38	+31 20 55.3		349
C/1999 S4	2000 05 29.73937	02 04 40.90	+31 52 41.6		349
C/1999 S4	2000 05 29.74495	02 04 41.11	+31 52 45.5		349
C/1999 S4	2000 05 29.75260	02 04 41.35	+31 52 50.0	11.0 T	349
C/1999 S4	2000 05 29.75815	02 04 41.54	+31 52 53.8	10.6 T	402
C/1999 S4	2000 05 29.75998	02 04 41.60	+31 52 55.1		402
C/1999 S4	2000 05 29.76182	02 04 41.67	+31 52 56.2		402
C/1999 S4	2000 05 29.76428	02 04 41.65	+31 52 59.0	10.5 T	351
C/1999 S4	2000 05 29.76790	02 04 41.79	+31 53 01.5		351
C/1999 S4	2000 05 29.77590	02 04 42.10	+31 53 06.7		351
C/1999 S4	2000 06 01.74794	02 06 21.81	+32 27 38.1		349
C/1999 S4	2000 06 01.76137	02 06 22.23	+32 27 47.8	10.5 T	349
C/1999 S4	2000 06 01.76682	02 06 22.43	+32 27 51.7		349
C/1999 S4	2000 06 04.75150	02 08 06.59	+33 05 44.4	10.5 T	349
C/1999 S4	2000 06 04.75572	02 08 06.71	+33 05 47.5	10.5 T	402
C/1999 S4	2000 06 04.75603	02 08 06.74	+33 05 48.0		349
C/1999 S4	2000 06 04.75755	02 08 06.76	+33 05 49.0		402
C/1999 S4	2000 06 04.75764	02 08 06.81	+33 05 49.4		349
C/1999 S4	2000 06 04.75938	02 08 06.84	+33 05 50.5		402
C/1999 S4	2000 06 04.76306	02 08 06.90	+33 05 53.7	10.4 T	300
C/1999 S4	2000 06 04.76645	02 08 07.10	+33 05 56.4		300
C/1999 S4	2000 06 04.76668	02 08 07.12	+33 05 56.1	10.1 T	351
C/1999 S4	2000 06 04.76747	02 08 07.07	+33 05 56.7		300
C/1999 S4	2000 06 04.77074	02 08 07.28	+33 05 59.4		351
C/1999 S4	2000 06 04.77856	02 08 07.53	+33 06 06.1		351
C/1999 S4	2000 06 05.79102	02 08 43.97	+33 19 46.7		300
C/1999 S4	2000 06 05.79235	02 08 44.04	+33 19 47.7		300
C/1999 S4	2000 06 05.79355	02 08 44.08	+33 19 48.4		300
C/1999 S4	2000 06 05.79478	02 08 44.13	+33 19 49.9		300
C/1999 S4	2000 06 05.79586	02 08 44.16	+33 19 50.8		300
C/1999 S4	2000 06 06.74919	02 09 19.22	+33 33 07.5		349
C/1999 S4	2000 06 06.75473	02 09 19.44	+33 33 12.9	10.4 T	349
C/1999 S4	2000 06 06.75995	02 09 19.62	+33 33 17.5		349
C/1999 S4	2000 06 06.76473	02 09 19.68	+33 33 20.8		352
C/1999 S4	2000 06 06.76874	02 09 19.86	+33 33 24.4	10.2 T	348
C/1999 S4	2000 06 06.76890	02 09 19.76	+33 33 24.6		352
C/1999 S4	2000 06 06.76942	02 09 19.87	+33 33 25.5	9.8 T	351

C/1999 S4	2000 06 06.77300	02 09 20.08	+33 33 28.4	351		C/1999 S4	2000 06 22.05023	02 21 40.13	+38 27 15.8	10.6 T	170
C/1999 S4	2000 06 06.77307	02 09 19.92	+33 33 28.3	352		C/1999 S4	2000 06 22.05677	02 21 40.63	+38 27 25.8	10.6 T	170
C/1999 S4	2000 06 06.77719	02 09 20.20	+33 33 32.0	351		C/1999 S4	2000 06 22.07172	02 21 41.56	+38 27 50.4	11.3 N	170
C/1999 S4	2000 06 06.77804	02 09 20.24	+33 33 32.5	348		C/1999 S4	2000 06 22.09765	02 21 43.51	+38 28 32.5	11.6 N	170
C/1999 S4	2000 06 07.73833	02 09 56.24	+33 47 21.7	349		C/1999 S4	2000 06 22.12432	02 21 45.31	+38 29 15.4	11.4 N	170
C/1999 S4	2000 06 07.73929	02 09 56.27	+33 47 23.0	349		C/1999 S4	2000 06 23.00928	02 22 48.44	+38 53 18.7		118
C/1999 S4	2000 06 07.74189	02 09 56.39	+33 47 25.2	349	10.9 T	C/1999 S4	2000 06 23.01698	02 22 48.97	+38 53 31.4		118
C/1999 S4	2000 06 07.75241	02 09 56.67	+33 47 34.2	355		C/1999 S4	2000 06 25.05671	02 25 31.27	+39 53 38.6		945
C/1999 S4	2000 06 07.75448	02 09 56.76	+33 47 35.7	355	10.2 T	C/1999 S4	2000 06 25.06333	02 25 31.90	+39 53 51.4		945
C/1999 S4	2000 06 07.75749	02 09 56.85	+33 47 38.6	355		C/1999 S4	2000 06 25.06672	02 25 32.20	+39 53 58.2		945
C/1999 S4	2000 06 07.77708	02 09 57.73	+33 47 56.0	360	10.8 T	C/1999 S4	2000 06 26.05218	02 27 00.44	+40 25 33.8		143
C/1999 S4	2000 06 07.77934	02 09 57.82	+33 47 58.0	360		C/1999 S4	2000 06 26.05547	02 27 00.68	+40 25 40.5		143
C/1999 S4	2000 06 13.77155	02 14 03.97	+35 25 47.1	300		C/1999 S4	2000 06 26.05876	02 27 01.01	+40 25 47.1		143
C/1999 S4	2000 06 13.77288	02 14 04.09	+35 25 48.6	300		C/1999 S4	2000 06 26.06947	02 27 01.99	+40 26 08.6		143
C/1999 S4	2000 06 13.77358	02 14 04.05	+35 25 49.9	300		C/1999 S4	2000 06 26.07277	02 27 02.29	+40 26 15.2		143
C/1999 S4	2000 06 13.77432	02 14 04.10	+35 25 49.8	300		C/1999 S4	2000 06 27.03988	02 28 36.48	+40 59 07.6		046
C/1999 S4	2000 06 14.72096	02 14 47.67	+35 43 25.6	349		C/1999 S4	2000 06 27.04046	02 28 36.55	+40 59 08.7		046
C/1999 S4	2000 06 14.72672	02 14 47.97	+35 43 32.5	349		C/1999 S4	2000 06 27.04100	02 28 36.60	+40 59 09.9		046
C/1999 S4	2000 06 14.72760	02 14 47.98	+35 43 32.9	349	10.0 T	C/1999 S4	2000 06 27.04154	02 28 36.66	+40 59 11.1		046
C/1999 S4	2000 06 14.73259	02 14 48.09	+35 43 38.2	355		C/1999 S4	2000 06 28.03013	02 30 21.60	+41 34 51.7	11.0 N	170
C/1999 S4	2000 06 14.73618	02 14 48.28	+35 43 42.5	355	9.8 T	C/1999 S4	2000 06 28.04317	02 30 23.14	+41 35 21.1	11.3 N	170
C/1999 S4	2000 06 14.74241	02 14 48.52	+35 43 49.8	355		C/1999 S4	2000 06 28.06963	02 30 26.03	+41 36 21.4	11.0 N	170
C/1999 S4	2000 06 15.73668	02 15 36.27	+36 03 03.8	349		C/1999 S4	2000 06 29.04868	02 32 20.79	+42 14 01.7		118
C/1999 S4	2000 06 15.73687	02 15 36.25	+36 03 03.5	348	9.6 T	C/1999 S4	2000 06 29.05059	02 32 21.03	+42 14 06.1		118
C/1999 S4	2000 06 15.73963	02 15 36.39	+36 03 07.9	349		C/1999 S4	2000 06 29.05580	02 32 21.59	+42 14 17.6	9.7 T	012
C/1999 S4	2000 06 15.74125	02 15 36.55	+36 03 09.3	349	9.6 T	C/1999 S4	2000 06 29.73580	02 33 48.21	+42 41 58.0	7.5 T	372
C/1999 S4	2000 06 15.74426	02 15 36.70	+36 03 12.8	355	9.6 T	C/1999 S4	2000 06 29.78299	02 33 54.41	+42 43 56.9	7.7 T	372
C/1999 S4	2000 06 15.74881	02 15 36.90	+36 03 18.3	355		C/1999 S4	2000 07 01.67983	02 38 32.62	+44 08 15.2		349
C/1999 S4	2000 06 15.74984	02 15 36.93	+36 03 19.8	355		C/1999 S4	2000 07 01.73118	02 38 40.99	+44 10 43.8	9.2 T	349
C/1999 S4	2000 06 15.75005	02 15 36.76	+36 03 19.2	903		C/1999 S4	2000 07 01.73560	02 38 41.78	+44 10 56.7		349
C/1999 S4	2000 06 15.75444	02 15 37.05	+36 03 25.0	903	10.6 T	C/1999 S4	2000 07 02.00808	02 39 26.91	+44 23 57.5	9.7 T	180
C/1999 S4	2000 06 15.75991	02 15 37.39	+36 03 31.3	348		C/1999 S4	2000 07 02.01122	02 39 27.43	+44 24 06.9	9.6 T	180
C/1999 S4	2000 06 19.74755	02 19 12.40	+37 29 41.2	402	9.5 T	C/1999 S4	2000 07 02.01696	02 39 28.43	+44 24 23.8	9.7 T	180
C/1999 S4	2000 06 19.75008	02 19 12.56	+37 29 44.7	402		C/1999 S4	2000 07 02.02077	02 39 29.06	+44 24 35.0	9.7 T	180
C/1999 S4	2000 06 19.75260	02 19 12.71	+37 29 48.4	402		C/1999 S4	2000 07 02.02378	02 39 29.59	+44 24 43.7	9.7 T	180
C/1999 S4	2000 06 19.76676	02 19 13.54	+37 30 08.3	300		C/1999 S4	2000 07 02.03950	02 39 32.25	+44 25 29.7	11.7 T	170
C/1999 S4	2000 06 19.76833	02 19 13.68	+37 30 10.7	300		C/1999 S4	2000 07 02.05078	02 39 34.14	+44 26 03.7	11.5 T	170
C/1999 S4	2000 06 19.77373	02 19 14.00	+37 30 18.4	300		C/1999 S4	2000 07 02.06209	02 39 36.10	+44 26 36.5	11.6 T	170
C/1999 S4	2000 06 19.77528	02 19 14.05	+37 30 20.2	300		C/1999 S4	2000 07 03.72811	02 44 49.91	+45 52 55.6		402
C/1999 S4	2000 06 20.04223	02 19 30.08	+37 36 40.8	170	9.8 N	C/1999 S4	2000 07 03.72990	02 44 50.29	+45 53 01.6		402
C/1999 S4	2000 06 20.06701	02 19 31.67	+37 37 14.2	170	9.9 N	C/1999 S4	2000 07 03.73118	02 44 50.54	+45 53 05.7		402
C/1999 S4	2000 06 20.09515	02 19 33.34	+37 37 54.1	170	10.3 N	C/1999 S4	2000 07 03.73659	02 44 51.62	+45 53 24.6	9.1 T	349
C/1999 S4	2000 06 20.74430	02 20 13.76	+37 53 49.6	349		C/1999 S4	2000 07 03.73800	02 44 51.91	+45 53 29.0		349
C/1999 S4	2000 06 20.74519	02 20 13.84	+37 53 51.0	349		C/1999 S4	2000 07 03.73954	02 44 52.25	+45 53 34.0		349
C/1999 S4	2000 06 20.74984	02 20 14.10	+37 53 58.2	349		C/1999 S4	2000 07 04.75612	02 48 39.26	+46 51 44.6		300
C/1999 S4	2000 06 20.75155	02 20 14.18	+37 54 00.3	349	9.7 T	C/1999 S4	2000 07 04.75723	02 48 39.51	+46 51 48.5		300
C/1999 S4	2000 06 21.06916	02 20 34.43	+38 01 55.0	143		C/1999 S4	2000 07 04.75781	02 48 39.66	+46 51 50.4		300
C/1999 S4	2000 06 21.07163	02 20 34.58	+38 01 59.1	143		C/1999 S4	2000 07 05.03008	02 49 45.76	+47 08 07.3	11.1 N	170
C/1999 S4	2000 06 21.07498	02 20 34.80	+38 02 04.1	143		C/1999 S4	2000 07 05.65560	02 52 27.97	+47 47 03.0	8.9 T	348
C/1999 S4	2000 06 21.08074	02 20 35.17	+38 02 12.9	143		C/1999 S4	2000 07 05.67397	02 52 32.93	+47 48 14.0		348
C/1999 S4	2000 06 22.02454	02 21 38.28	+38 26 35.0	118		C/1999 S4	2000 07 05.73211	02 52 48.81	+47 51 59.3		402
C/1999 S4	2000 06 22.02734	02 21 38.55	+38 26 39.4	118		C/1999 S4	2000 07 05.73338	02 52 49.15	+47 52 04.2		402
C/1999 S4	2000 06 22.02855	02 21 38.59	+38 26 41.3	118	9 T	C/1999 S4	2000 07 05.73463	02 52 49.51	+47 52 09.2		402

C/1999 S4	2000 07 05.76711	02 52 58.48	+47 54 15.2		300	C/1999 S4	2000 07 18.50468	06 59 09.60	+65 06 33.6		351
C/1999 S4	2000 07 05.76803	02 52 58.72	+47 54 18.7		300	C/1999 S4	2000 07 18.51819	06 59 50.88	+65 06 14.9		351
C/1999 S4	2000 07 05.76946	02 52 59.06	+47 54 24.2		300	C/1999 S4	2000 07 18.93965	07 21 26.73	+64 49 53.9		046
C/1999 S4	2000 07 05.88925	02 53 31.89	+48 02 00.8	8.9 T	540	C/1999 S4	2000 07 18.94053	07 21 29.43	+64 49 51.2		046
C/1999 S4	2000 07 05.89022	02 53 32.20	+48 02 04.9		540	C/1999 S4	2000 07 18.94112	07 21 31.29	+64 49 49.2		046
C/1999 S4	2000 07 05.89124	02 53 32.45	+48 02 09.2		540	C/1999 S4	2000 07 18.94235	07 21 35.10	+64 49 44.9		046
C/1999 S4	2000 07 05.89235	02 53 32.78	+48 02 13.6		540	C/1999 S4	2000 07 18.94419	07 21 40.80	+64 49 39.5		046
C/1999 S4	2000 07 06.01576	02 54 07.88	+48 10 19.0		557	C/1999 S4	2000 07 18.94488	07 21 42.97	+64 49 37.3		046
C/1999 S4	2000 07 06.01858	02 54 08.69	+48 10 30.2		557	C/1999 S4	2000 07 18.94587	07 21 45.94	+64 49 34.3		046
C/1999 S4	2000 07 06.02139	02 54 09.50	+48 10 41.3		557	C/1999 S4	2000 07 19.48273	07 49 26.74	+64 09 37.2	7.5 T	351
C/1999 S4	2000 07 06.02421	02 54 10.30	+48 10 52.6		557	C/1999 S4	2000 07 19.50040	07 50 21.31	+64 07 53.9		351
C/1999 S4	2000 07 06.02824	02 54 11.52	+48 11 08.7		046	C/1999 S4	2000 07 19.74031	08 02 40.40	+63 42 31.4		402
C/1999 S4	2000 07 06.03067	02 54 12.23	+48 11 18.4		046	C/1999 S4	2000 07 19.74088	08 02 42.18	+63 42 26.8		402
C/1999 S4	2000 07 06.03325	02 54 12.98	+48 11 28.6		046	C/1999 S4	2000 07 19.74146	08 02 43.95	+63 42 23.1		402
C/1999 S4	2000 07 06.03394	02 54 13.17	+48 11 31.2		046	C/1999 S4	2000 07 20.11499	08 21 22.43	+62 54 01.4		762
C/1999 S4	2000 07 06.72252	02 57 40.48	+48 57 58.4		903	C/1999 S4	2000 07 20.11846	08 21 32.67	+62 53 30.7		762
C/1999 S4	2000 07 06.72391	02 57 40.90	+48 58 04.6		903	C/1999 S4	2000 07 20.12193	08 21 43.05	+62 53 00.6		762
C/1999 S4	2000 07 06.72523	02 57 41.27	+48 58 10.1		903	C/1999 S4	2000 07 20.12540	08 21 53.36	+62 52 30.6		762
C/1999 S4	2000 07 07.01921	02 59 16.47	+49 18 42.8	10.7 N	170	C/1999 S4	2000 07 20.12888	08 22 03.59	+62 51 59.6		762
C/1999 S4	2000 07 07.02887	02 59 19.57	+49 19 24.3	10.6 N	170	C/1999 S4	2000 07 20.13235	08 22 13.93	+62 51 29.4		762
C/1999 S4	2000 07 07.05653	02 59 28.96	+49 21 23.8	10.5 N	170	C/1999 S4	2000 07 20.13582	08 22 24.08	+62 50 58.9		762
C/1999 S4	2000 07 07.06628	02 59 31.63	+49 21 57.0	10.4 N	170	C/1999 S4	2000 07 20.13929	08 22 34.39	+62 50 28.2		762
C/1999 S4	2000 07 08.72331	03 10 06.70	+51 28 00.8	8.7 T	351	C/1999 S4	2000 07 20.14277	08 22 44.70	+62 49 58.0		762
C/1999 S4	2000 07 08.72823	03 10 08.76	+51 28 25.2		351	C/1999 S4	2000 07 20.14624	08 22 54.91	+62 49 27.5		762
C/1999 S4	2000 07 08.73610	03 10 12.23	+51 29 03.9		351	C/1999 S4	2000 07 20.14971	08 23 05.25	+62 48 56.9		762
C/1999 S4	2000 07 09.00236	03 12 11.69	+51 50 47.9	11.1 N	170	C/1999 S4	2000 07 20.15318	08 23 15.44	+62 48 25.8		762
C/1999 S4	2000 07 09.68066	03 17 43.46	+52 48 27.4		349	C/1999 S4	2000 07 20.15666	08 23 25.74	+62 47 55.2		762
C/1999 S4	2000 07 09.68133	03 17 43.77	+52 48 31.4		349	C/1999 S4	2000 07 20.16360	08 23 46.26	+62 46 53.0		762
C/1999 S4	2000 07 09.72231	03 18 05.21	+52 52 08.5		349	C/1999 S4	2000 07 20.16707	08 23 56.50	+62 46 22.6		762
C/1999 S4	2000 07 09.72440	03 18 06.30	+52 52 19.6	8.4 T	349	C/1999 S4	2000 07 20.17054	08 24 06.81	+62 45 51.5		762
C/1999 S4	2000 07 09.75211	03 18 20.70	+52 54 45.6	9.1 T	352	C/1999 S4	2000 07 20.17402	08 24 17.06	+62 45 20.2		762
C/1999 S4	2000 07 09.75627	03 18 22.95	+52 55 07.6		352	C/1999 S4	2000 07 20.17749	08 24 27.28	+62 44 49.4		762
C/1999 S4	2000 07 09.76044	03 18 24.82	+52 55 29.9		352	C/1999 S4	2000 07 20.22419	08 26 43.72	+62 37 51.4		642
C/1999 S4	2000 07 10.70265	03 27 28.20	+54 20 55.3		349	C/1999 S4	2000 07 20.22566	08 26 48.02	+62 37 38.4		642
C/1999 S4	2000 07 10.70341	03 27 28.64	+54 20 59.8		349	C/1999 S4	2000 07 20.22919	08 26 58.32	+62 37 05.7		642
C/1999 S4	2000 07 10.75074	03 27 58.60	+54 25 28.9		349	C/1999 S4	2000 07 20.47717	08 38 52.25	+61 56 59.3	7.6 T	349
C/1999 S4	2000 07 10.75174	03 27 59.21	+54 25 35.0	8.3 T	349	C/1999 S4	2000 07 20.47837	08 38 55.58	+61 56 47.1		349
C/1999 S4	2000 07 11.99420	03 42 55.78	+56 27 03.9	10.5 N	170	C/1999 S4	2000 07 20.47934	08 38 58.33	+61 56 36.8		349
C/1999 S4	2000 07 12.00701	03 43 06.30	+56 28 23.2	10.8 N	170	C/1999 S4	2000 07 20.49487	08 39 42.54	+61 53 56.1		349
C/1999 S4	2000 07 12.02742	03 43 23.16	+56 30 28.1	10.8 N	170	C/1999 S4	2000 07 21.46695	09 22 18.00	+58 34 14.4		900
C/1999 S4	2000 07 12.04428	03 43 37.29	+56 32 11.8	10.7 N	170	C/1999 S4	2000 07 21.46761	09 22 19.59	+58 34 04.4	6.2 T	372
C/1999 S4	2000 07 14.00516	04 17 23.69	+59 58 54.1	9.4 N	170	C/1999 S4	2000 07 21.47155	09 22 29.16	+58 33 08.8		300
C/1999 S4	2000 07 15.33707	04 50 41.23	+62 17 42.2		642	C/1999 S4	2000 07 21.47257	09 22 31.62	+58 32 54.3		300
C/1999 S4	2000 07 15.34071	04 50 47.68	+62 18 03.1		642	C/1999 S4	2000 07 21.47280	09 22 32.23	+58 32 50.4	7.2 T	900
C/1999 S4	2000 07 15.34212	04 50 50.02	+62 18 13.0		642	C/1999 S4	2000 07 21.47720	09 22 42.72	+58 31 48.1		360
C/1999 S4	2000 07 16.30623	05 22 12.56	+63 45 42.2		642	C/1999 S4	2000 07 21.47789	09 22 44.39	+58 31 38.1		360
C/1999 S4	2000 07 16.30756	05 22 15.42	+63 45 48.5		642	C/1999 S4	2000 07 21.47855	09 22 46.14	+58 31 26.9	7.5 T	347
C/1999 S4	2000 07 16.31030	05 22 21.39	+63 46 01.9		642	C/1999 S4	2000 07 21.47859	09 22 46.05	+58 31 28.4		360
C/1999 S4	2000 07 16.54934	05 31 13.10	+64 04 27.6		349	C/1999 S4	2000 07 21.48116	09 22 52.44	+58 30 50.3		347
C/1999 S4	2000 07 16.55068	05 31 16.12	+64 04 34.2		349	C/1999 S4	2000 07 21.48277	09 22 56.32	+58 30 26.6		347
C/1999 S4	2000 07 16.75061	05 39 03.48	+64 18 52.2		349	C/1999 S4	2000 07 21.48475	09 23 01.10	+58 29 58.5		347
C/1999 S4	2000 07 16.75098	05 39 04.33	+64 18 53.6	8.0 T	349	C/1999 S4	2000 07 21.48837	09 23 09.60	+58 29 08.2		372
C/1999 S4	2000 07 18.50047	06 58 57.28	+65 06 40.9	7.8 T	351	C/1999 S4	2000 07 21.84546	09 36 58.38	+57 00 51.0		026

C/1999 S4	2000 07 21.84672	09 37 01.20	+57 00 31.4	026
C/1999 S4	2000 07 21.84720	09 37 02.32	+57 00 24.2	026
C/1999 S4	2000 07 21.85483	09 37 19.46	+56 58 25.2	046
C/1999 S4	2000 07 21.85625	09 37 22.69	+56 58 02.6	046
C/1999 S4	2000 07 21.85670	09 37 23.68	+56 57 55.8	046
C/1999 S4	2000 07 21.85760	09 37 25.72	+56 57 41.8	046
C/1999 S4	2000 07 21.86127	09 37 33.97	+56 56 44.8	046
C/1999 S4	2000 07 21.86332	09 37 38.39	+56 56 14.2	046
C/1999 S4	2000 07 21.86607	09 37 44.47	+56 55 32.1	026
C/1999 S4	2000 07 21.86644	09 37 45.31	+56 55 26.2	026
C/1999 S4	2000 07 21.86672	09 37 45.95	+56 55 21.8	026
C/1999 S4	2000 07 21.87063	09 37 54.62	+56 54 20.9	026
C/1999 S4	2000 07 21.91329	09 39 29.44	+56 43 16.0	026
C/1999 S4	2000 07 21.91424	09 39 31.51	+56 43 00.9	026
C/1999 S4	2000 07 21.91493	09 39 32.99	+56 42 50.2	026
C/1999 S4	2000 07 22.47062	09 58 46.20	+54 11 38.4	349
C/1999 S4	2000 07 22.47098	09 58 46.89	+54 11 32.0	349
C/1999 S4	2000 07 22.49036	09 59 24.64	+54 06 00.9	349
C/1999 S4	2000 07 22.49092	09 59 25.73	+54 05 50.9	349
C/1999 S4	2000 07 24.22884	10 45 44.37	+45 14 03.5	642
C/1999 S4	2000 07 24.23057	10 45 46.62	+45 13 30.3	642

C/1999 T1 (McNaught-Hartley)

C/1999 T1	2000 07 08.69976	05 04 10.89	-34 36 26.4	13.8 N	467
C/1999 T1	2000 07 08.70127	05 04 11.17	-34 36 26.9	13.9 N	467
C/1999 T1	2000 07 08.70682	05 04 12.02	-34 36 30.2	14.0 N	467
C/1999 T1	2000 07 08.70998	05 04 12.50	-34 36 31.2	13.9 N	467

C/1999 T2 (LINEAR)

C/1999 T2	2000 05 18.71389	22 41 24.77	+45 18 30.0	15.6 T	349
C/1999 T2	2000 05 18.71795	22 41 24.51	+45 18 33.2		349
C/1999 T2	2000 05 18.72353	22 41 24.46	+45 18 41.2		349
C/1999 T2	2000 05 21.71890	22 40 00.58	+46 16 16.8	15.5 T	349
C/1999 T2	2000 05 21.72407	22 40 00.30	+46 16 23.3		349
C/1999 T2	2000 05 24.68762	22 38 19.72	+47 14 27.7	15.2 T	903
C/1999 T2	2000 05 24.70053	22 38 19.22	+47 14 45.2		903
C/1999 T2	2000 05 24.71460	22 38 18.66	+47 15 02.1	15.2 T	349
C/1999 T2	2000 05 24.71579	22 38 18.58	+47 15 03.7		349
C/1999 T2	2000 05 24.71814	22 38 18.53	+47 15 06.7		349
C/1999 T2	2000 05 25.69054	22 37 41.38	+47 34 24.7	15.5 T	355
C/1999 T2	2000 05 25.69466	22 37 41.17	+47 34 30.0		355
C/1999 T2	2000 05 25.69878	22 37 41.01	+47 34 34.7		355
C/1999 T2	2000 05 29.72145	22 34 43.77	+48 55 34.9		349
C/1999 T2	2000 05 29.72418	22 34 43.59	+48 55 37.6	15.2 T	349
C/1999 T2	2000 05 29.72527	22 34 43.62	+48 55 38.8		349
C/1999 T2	2000 06 01.69562	22 32 06.01	+49 56 29.9		349
C/1999 T2	2000 06 01.70875	22 32 05.23	+49 56 46.1	15.1 T	349
C/1999 T2	2000 06 01.71054	22 32 05.08	+49 56 47.2		349
C/1999 T2	2000 06 05.66006	22 27 56.14	+51 18 42.6		300
C/1999 T2	2000 06 06.72082	22 26 40.75	+51 40 52.1		349
C/1999 T2	2000 06 06.72200	22 26 40.60	+51 40 54.3	15.1 T	349
C/1999 T2	2000 06 06.72307	22 26 40.55	+51 40 55.1		349
C/1999 T2	2000 06 06.74739	22 26 38.71	+51 41 26.3	15.0 T	900
C/1999 T2	2000 06 06.75660	22 26 38.01	+51 41 37.5		900

C/1999 T2	2000 06 07.64231	22 25 32.36	+52 00 08.0	15.2 T	355
C/1999 T2	2000 06 07.64641	22 25 32.07	+52 00 13.8		355
C/1999 T2	2000 06 07.64980	22 25 31.78	+52 00 18.8		355
C/1999 T2	2000 06 07.71265	22 25 27.06	+52 01 37.4		349
C/1999 T2	2000 06 07.71378	22 25 26.82	+52 01 39.2	15.3 T	349
C/1999 T2	2000 06 07.74931	22 25 24.13	+52 02 23.9	15.1 T	360
C/1999 T2	2000 06 07.75174	22 25 23.92	+52 02 26.9		360
C/1999 T2	2000 06 13.73178	22 16 42.05	+54 07 51.0		300
C/1999 T2	2000 06 13.73522	22 16 41.78	+54 07 55.6		300
C/1999 T2	2000 06 14.70957	22 15 03.36	+54 28 18.9	15.3 T	349
C/1999 T2	2000 06 14.71084	22 15 03.13	+54 28 20.4		349
C/1999 T2	2000 06 14.71331	22 15 02.96	+54 28 24.2		349
C/1999 T2	2000 06 15.61638	22 13 28.17	+54 47 14.6	15.0 T	348
C/1999 T2	2000 06 15.62868	22 13 26.85	+54 47 29.9		348
C/1999 T2	2000 06 20.03149	22 04 50.30	+56 18 27.4	15.2 T	118
C/1999 T2	2000 06 20.03299	22 04 50.10	+56 18 29.1		118
C/1999 T2	2000 06 20.03579	22 04 49.73	+56 18 32.4		118
C/1999 T2	2000 06 25.28706	21 52 25.96	+58 03 30.9		642
C/1999 T2	2000 06 25.29066	21 52 25.37	+58 03 33.9		642
C/1999 T2	2000 06 25.29417	21 52 24.82	+58 03 39.0		642
C/1999 T2	2000 06 29.05822	21 41 55.74	+59 14 57.4	15.1 T	613
C/1999 T2	2000 06 29.06597	21 41 54.32	+59 15 06.1	15.1 T	613
C/1999 T2	2000 06 29.06986	21 41 53.70	+59 15 10.1	15.0 T	613
C/1999 T2	2000 07 01.28227	21 35 03.75	+59 54 56.0		642
C/1999 T2	2000 07 01.28772	21 35 02.60	+59 55 02.0		642
C/1999 T2	2000 07 01.29183	21 35 01.88	+59 55 07.1		642
C/1999 T2	2000 07 01.62437	21 33 57.73	+60 00 57.0		349
C/1999 T2	2000 07 01.62563	21 33 57.35	+60 00 58.4		349
C/1999 T2	2000 07 01.62719	21 33 57.14	+60 01 00.3	14.7 T	349
C/1999 T2	2000 07 01.64895	21 33 52.84	+60 01 22.6		300
C/1999 T2	2000 07 01.65373	21 33 51.77	+60 01 27.4		300
C/1999 T2	2000 07 03.27889	21 28 27.10	+60 29 11.3		642
C/1999 T2	2000 07 03.28521	21 28 25.94	+60 29 16.1		642
C/1999 T2	2000 07 03.64203	21 27 12.28	+60 35 14.3	14.5 T	900
C/1999 T2	2000 07 03.64250	21 27 12.30	+60 35 15.1	15.2 T	348
C/1999 T2	2000 07 03.64620	21 27 11.48	+60 35 18.2		348
C/1999 T2	2000 07 03.65124	21 27 10.30	+60 35 24.2		900
C/1999 T2	2000 07 05.62707	21 20 08.27	+61 07 08.4	14.8 T	900
C/1999 T2	2000 07 05.64234	21 20 04.87	+61 07 23.0		900
C/1999 T2	2000 07 06.54403	21 16 43.91	+61 21 10.9	15.3 T	355
C/1999 T2	2000 07 06.54773	21 16 43.05	+61 21 14.2		355
C/1999 T2	2000 07 06.55027	21 16 42.46	+61 21 16.8		355
C/1999 T2	2000 07 06.73103	21 16 01.23	+61 24 00.1		903
C/1999 T2	2000 07 06.73358	21 16 00.70	+61 24 02.9	14.7 T	903
C/1999 T2	2000 07 06.73839	21 15 59.54	+61 24 06.5		903
C/1999 T2	2000 07 08.52611	21 09 03.45	+61 49 55.6		349
C/1999 T2	2000 07 08.52738	21 09 03.23	+61 49 56.5		349
C/1999 T2	2000 07 08.53111	21 09 02.30	+61 49 59.9	14.6 T	349
C/1999 T2	2000 07 08.58549	21 08 49.14	+61 50 45.9	15.6 T	351
C/1999 T2	2000 07 08.58965	21 08 48.21	+61 50 49.9		351
C/1999 T2	2000 07 08.59398	21 08 47.20	+61 50 52.9		351
C/1999 T2	2000 07 08.62149	21 08 40.42	+61 51 15.8	14.9 T	900
C/1999 T2	2000 07 08.63066	21 08 38.17	+61 51 23.6		900

C/1999 T2	2000 07 09.27330	21 06 03.49	+62 00 08.1		642
C/1999 T2	2000 07 09.27455	21 06 03.29	+62 00 09.7		642
C/1999 T2	2000 07 09.27579	21 06 02.93	+62 00 10.5		642
C/1999 T2	2000 07 09.27703	21 06 02.71	+62 00 11.6		642
C/1999 T2	2000 07 12.24394	20 53 34.05	+62 37 07.4		642
C/1999 T2	2000 07 12.24642	20 53 33.45	+62 37 09.3		642
C/1999 T2	2000 07 12.25006	20 53 32.34	+62 37 11.4		642
C/1999 T2	2000 07 12.29364	20 53 20.92	+62 37 42.7	16.5 T	704
C/1999 T2	2000 07 12.30622	20 53 17.71	+62 37 51.5	16.1 T	704
C/1999 T2	2000 07 12.31874	20 53 14.58	+62 37 59.0	16.6 T	704
C/1999 T2	2000 07 12.33182	20 53 10.00	+62 38 10.0	16.3 T	704
C/1999 T2	2000 07 12.34448	20 53 07.90	+62 38 19.1	16.5 T	704
C/1999 T2	2000 07 16.26149	20 35 20.47	+63 16 48.1		642
C/1999 T2	2000 07 16.26273	20 35 20.04	+63 16 48.9		642
C/1999 T2	2000 07 16.26397	20 35 19.80	+63 16 49.2		642
C/1999 T2	2000 07 16.26522	20 35 19.56	+63 16 50.4		642
C/1999 T2	2000 07 19.65086	20 18 57.94	+63 39 47.5	14.5 T	402
C/1999 T2	2000 07 19.65338	20 18 57.19	+63 39 48.1		402
C/1999 T2	2000 07 19.65591	20 18 56.38	+63 39 48.8		402
C/1999 T2	2000 07 21.31044	20 10 41.82	+63 47 13.9	14.9 T	704
C/1999 T2	2000 07 21.32394	20 10 37.63	+63 47 17.3	15.2 T	704
C/1999 T2	2000 07 21.33797	20 10 33.34	+63 47 20.3	15.1 T	704
C/1999 T2	2000 07 21.35130	20 10 29.15	+63 47 23.1	15.5 T	704
C/1999 T2	2000 07 21.56597	20 09 24.40	+63 48 08.4	14.3 T	360
C/1999 T2	2000 07 21.56840	20 09 23.67	+63 48 08.9		360
C/1999 T2	2000 07 22.64923	20 03 55.37	+63 51 19.8	14.2 T	900
C/1999 T2	2000 07 22.65658	20 03 52.97	+63 51 21.0		900

C/1999 U1 (Ferris)

C/1999 U1	1999 12 06.22135	03 48 49.04	+11 06 52.2	17.6 T	704
C/1999 U1	1999 12 06.23578	03 48 48.17	+11 06 55.6	17.5 T	704
C/1999 U1	1999 12 06.25013	03 48 47.25	+11 06 57.6	17.7 T	704
C/1999 U1	1999 12 06.26452	03 48 46.40	+11 07 02.0	17.7 T	704
C/1999 U1	1999 12 06.27895	03 48 45.45	+11 07 04.6	17.4 T	704
C/1999 U1	1999 12 13.27855	03 41 47.89	+11 33 43.9	16.7 T	699
C/1999 U1	1999 12 13.30656	03 41 46.24	+11 33 49.9		699
C/1999 U1	1999 12 13.33456	03 41 44.56	+11 33 56.0		699

C/1999 U4 (Catalina-Skiff)

C/1999 U4	2000 07 05.74132	03 13 19.26	+36 06 04.6	16.7 T	402
C/1999 U4	2000 07 05.74385	03 13 19.30	+36 06 06.6		402
C/1999 U4	2000 07 05.74638	03 13 19.45	+36 06 06.7		402
C/1999 U4	2000 07 19.72396	03 21 15.36	+37 52 54.2	17.5 T	402
C/1999 U4	2000 07 19.72648	03 21 15.35	+37 52 55.7		402
C/1999 U4	2000 07 19.73028	03 21 15.46	+37 52 57.8		402

C/1999 X2 (SOHO)

C/1999 X2	1999 12 03.89590	16 42 12.2	-23 40 38		249
Geocentric position (AU)	-0.00629919	-0.00790767	-0.00417014		
C/1999 X2	1999 12 03.91257	16 42 21.2	-23 37 01		249
Geocentric position (AU)	-0.00629799	-0.00790835	-0.00417010		
C/1999 X2	1999 12 03.92090	16 42 25.1	-23 35 38		249
Geocentric position (AU)	-0.00629738	-0.00790870	-0.00417008		

C/1999 X2	1999 12 03.93756	16 42 33.9	-23 31 47		249
Geocentric position (AU)	-0.00629618	-0.00790938	-0.00417003		
C/1999 X2	1999 12 03.97923	16 42 55.0	-23 22 35		249
Geocentric position (AU)	-0.00629315	-0.00791108	-0.00416993		

C/1999 Y1 (LINEAR)

C/1999 Y1	2000 02 01.53281	02 22 26.45	+63 10 07.5	16.2 T	347
C/1999 Y1	2000 02 01.54075	02 22 26.08	+63 10 01.9	16.5 T	347
C/1999 Y1	2000 02 01.54279	02 22 26.02	+63 10 00.3	16.3 T	347
C/1999 Y1	2000 05 29.76625	03 11 12.75	+48 57 38.7	15.2 T	402
C/1999 Y1	2000 05 29.76899	03 11 12.89	+48 57 37.0		402
C/1999 Y1	2000 05 29.77175	03 11 13.05	+48 57 36.5		402
C/1999 Y1	2000 06 04.76375	03 14 46.98	+48 52 58.4	15.7 T	402
C/1999 Y1	2000 06 04.76558	03 14 47.06	+48 52 58.3		402
C/1999 Y1	2000 06 04.76741	03 14 47.11	+48 52 58.0		402
C/1999 Y1	2000 06 14.75181	03 20 15.33	+48 50 04.2	15.7 T	349
C/1999 Y1	2000 06 14.75308	03 20 15.35	+48 50 02.9		349
C/1999 Y1	2000 07 01.70758	03 27 39.34	+48 57 12.4	15.4 T	349
C/1999 Y1	2000 07 01.71243	03 27 39.42	+48 57 12.7		349
C/1999 Y1	2000 07 01.71605	03 27 39.60	+48 57 13.0		349
C/1999 Y1	2000 07 21.06806	03 31 39.52	+49 20 02.5	14.8 T	118
C/1999 Y1	2000 07 21.07142	03 31 39.52	+49 20 02.7		118
C/1999 Y1	2000 07 21.08358	03 31 39.55	+49 20 03.1		118

P/2000 B3 (LINEAR)

P/2000 B3	2000 05 29.48611	09 50 13.63	+12 24 46.3	17.6 T	360
P/2000 B3	2000 05 29.48993	09 50 14.12	+12 24 42.5		360
P/2000 B3	2000 05 29.49444	09 50 14.60	+12 24 38.4		360

P/2000 C1 (Hergenrother)

P/2000 C1	2000 06 06.50469	12 15 02.95	+06 50 46.1	17.4 T	360
P/2000 C1	2000 06 06.50885	12 15 03.24	+06 50 44.1		360
P/2000 C1	2000 06 06.51302	12 15 03.40	+06 50 42.0		360

C/2000 CT₅₄ (LINEAR)

C/2000 CT ₅₄	2000 05 29.54479	12 59 51.10	-27 15 56.6	16.5 T	360
C/2000 CT ₅₄	2000 05 29.54965	12 59 50.97	-27 15 56.7		360

P/2000 G1 (LINEAR)

P/2000 G1	2000 05 14.71642	17 40 17.39	+04 49 57.6	17.3 T	349
P/2000 G1	2000 05 14.72067	17 40 16.91	+04 49 58.7		349
P/2000 G1	2000 05 29.71914	17 19 55.59	+04 39 43.7	17.3 T	402
P/2000 G1	2000 05 29.72145	17 19 55.42	+04 39 41.8		402
P/2000 G1	2000 05 29.72606	17 19 55.03	+04 39 41.0		402
P/2000 G1	2000 05 29.73368	17 19 54.44	+04 39 39.8	16.8 T	360
P/2000 G1	2000 05 29.73750	17 19 54.12	+04 39 38.9		360
P/2000 G1	2000 06 07.61563	17 09 30.27	+03 41 45.4	16.6 T	360
P/2000 G1	2000 06 07.61979	17 09 30.01	+03 41 43.5		360
P/2000 G1	2000 06 07.66149	17 09 27.07	+03 41 22.8	17.9 T	402
P/2000 G1	2000 06 07.66388	17 09 26.88	+03 41 22.0		402
P/2000 G1	2000 06 07.66617	17 09 26.82	+03 41 20.5		402

C/2000 H1 (LINEAR)

C/2000 H1	2000 06 04.67110	16 37 41.91	+52 21 44.0	18.2 T	402
C/2000 H1	2000 06 04.67802	16 37 40.41	+52 21 43.0		402
C/2000 H1	2000 06 04.68032	16 37 40.20	+52 21 42.2		402

C/2000 H1	2000 06 28.64076	15 32 00.93	+48 50 10.0	19.2 T	402	C/2000 K1	2000 06 28.95547	16 08 46.83	+12 45 58.9	15.8 T	613
C/2000 H1	2000 06 28.64308	15 32 00.90	+48 50 08.2		402	C/2000 K1	2000 06 28.97094	16 08 46.11	+12 46 00.1	15.9 T	613
C/2000 H1	2000 06 28.64537	15 32 00.06	+48 50 06.5		402	C/2000 K1	2000 06 28.98030	16 08 45.71	+12 46 04.2	15.8 T	613
C/2000 K1 (LINEAR)						C/2000 K1	2000 06 30.55590	16 07 39.45	+12 51 19.3	16.0 T	360
C/2000 K1	2000 05 27.28557	16 35 10.22	+09 50 37.2	14.6 T	699	C/2000 K1	2000 06 30.55868	16 07 39.31	+12 51 19.8		360
C/2000 K1	2000 05 27.30132	16 35 09.36	+09 50 44.7		699	C/2000 K1	2000 07 01.56896	16 06 57.46	+12 54 31.2		349
C/2000 K1	2000 05 27.31701	16 35 08.45	+09 50 53.4		699	C/2000 K1	2000 07 01.57294	16 06 57.28	+12 54 32.1		349
C/2000 K1	2000 05 27.33275	16 35 07.62	+09 51 03.1		699	C/2000 K1	2000 07 01.57411	16 06 57.29	+12 54 32.4	16.3 T	349
C/2000 K1	2000 05 28.65072	16 34 00.06	+10 00 32.7		349	C/2000 K1	2000 07 05.22496	16 04 31.49	+13 05 03.4	15.3 T	699
C/2000 K1	2000 05 28.65429	16 33 59.80	+10 00 35.9	16.6 T	349	C/2000 K1	2000 07 05.24183	16 04 30.78	+13 05 07.4		699
C/2000 K1	2000 05 29.64408	16 33 09.18	+10 07 34.2		903	C/2000 K1	2000 07 05.25876	16 04 30.03	+13 05 11.9		699
C/2000 K1	2000 05 29.64693	16 33 09.14	+10 07 35.2		903	C/2000 K1	2000 07 05.27565	16 04 29.38	+13 05 14.3		699
C/2000 K1	2000 05 29.65156	16 33 08.86	+10 07 38.0	15.6 T	903	C/2000 K1	2000 07 05.61561	16 04 16.01	+13 06 13.0	15.8 T	402
C/2000 K1	2000 05 29.66339	16 33 08.19	+10 07 43.0	15.9 T	402	C/2000 K1	2000 07 05.61815	16 04 15.89	+13 06 13.5		402
C/2000 K1	2000 05 29.66467	16 33 08.14	+10 07 44.5		402	C/2000 K1	2000 07 05.62067	16 04 15.80	+13 06 14.4		402
C/2000 K1	2000 05 29.66719	16 33 07.93	+10 07 45.6		402	C/2000 K1	2000 07 06.92918	16 03 25.71	+13 09 37.8		046
C/2000 K1	2000 05 29.67847	16 33 07.38	+10 07 49.9	16.0 T	360	C/2000 K1	2000 07 06.93128	16 03 25.65	+13 09 38.3		046
C/2000 K1	2000 05 29.68090	16 33 07.28	+10 07 50.8		360	C/2000 K1	2000 07 06.93248	16 03 25.60	+13 09 39.0		046
C/2000 K1	2000 06 04.62745	16 28 03.13	+10 47 32.5		903	C/2000 K1	2000 07 06.93462	16 03 25.55	+13 09 38.2		046
C/2000 K1	2000 06 04.63215	16 28 02.84	+10 47 34.5		903	C/2000 K1	2000 07 19.61888	15 56 17.08	+13 33 48.6	15.9 T	402
C/2000 K1	2000 06 04.63670	16 28 02.69	+10 47 36.4	15.6 T	903	C/2000 K1	2000 07 19.62140	15 56 17.03	+13 33 47.1		402
C/2000 K1	2000 06 04.66535	16 28 01.17	+10 47 47.9	17.3 T	300	C/2000 K1	2000 07 19.62394	15 56 16.91	+13 33 48.5		402
C/2000 K1	2000 06 04.66762	16 28 01.11	+10 47 49.7		300	C/2000 K1	2000 07 20.22520	15 55 59.41	+13 34 33.9	15.9 T	699
C/2000 K1	2000 06 04.66987	16 28 01.06	+10 47 50.7		300	C/2000 K1	2000 07 20.23619	15 55 59.09	+13 34 35.8		699
C/2000 K1	2000 06 04.70591	16 27 59.17	+10 48 04.0	15.3 T	402	C/2000 K1	2000 07 20.24726	15 55 58.75	+13 34 36.6		699
C/2000 K1	2000 06 04.70718	16 27 59.12	+10 48 04.6		402	C/2000 K1	2000 07 20.25814	15 55 58.45	+13 34 37.9		699
C/2000 K1	2000 06 04.70971	16 27 58.96	+10 48 05.2		402	C/2000 K2 (LINEAR)					
C/2000 K1	2000 06 05.57656	16 27 14.95	+10 53 31.4	16.3 N	365	C/2000 K2	2000 06 06.54895	17 21 13.08	+11 57 15.0	16.3 T	367
C/2000 K1	2000 06 05.59427	16 27 14.01	+10 53 38.4		365	C/2000 K2	2000 06 06.55207	17 21 12.99	+11 57 15.6		367
C/2000 K1	2000 06 06.51875	16 26 27.19	+10 59 20.0	15.6 T	367	C/2000 K2	2000 06 06.55521	17 21 12.93	+11 57 17.7		367
C/2000 K1	2000 06 06.52187	16 26 27.03	+10 59 20.7		367	C/2000 K2	2000 06 06.64722	17 21 10.64	+11 58 01.3	16.5 T	360
C/2000 K1	2000 06 06.52500	16 26 26.90	+10 59 21.7		367	C/2000 K2	2000 06 06.65642	17 21 10.40	+11 58 05.6		360
C/2000 K1	2000 06 06.55844	16 26 25.22	+10 59 33.7		900	C/2000 K2	2000 06 06.65869	17 21 10.26	+11 58 05.5		900
C/2000 K1	2000 06 06.57234	16 26 24.40	+10 59 39.7		900	C/2000 K2	2000 06 06.67185	17 21 10.03	+11 58 13.5	16.1 T	900
C/2000 K1	2000 06 06.63854	16 26 21.09	+11 00 04.0	16.1 T	360	C/2000 K2	2000 06 07.67001	17 20 46.10	+12 05 55.2	16.2 T	402
C/2000 K1	2000 06 06.64132	16 26 20.95	+11 00 05.4		360	C/2000 K2	2000 06 07.67462	17 20 45.97	+12 05 57.4		402
C/2000 K1	2000 06 07.51771	16 25 36.72	+11 05 23.0	15.7 T	367	C/2000 K2	2000 06 07.67922	17 20 45.88	+12 05 59.6		402
C/2000 K1	2000 06 07.52083	16 25 36.59	+11 05 23.5		367	C/2000 K2	2000 06 19.61744	17 15 51.32	+13 17 57.9	16.3 T	402
C/2000 K1	2000 06 07.52396	16 25 36.45	+11 05 25.0		367	C/2000 K2	2000 06 19.61975	17 15 51.26	+13 17 57.3		402
C/2000 K1	2000 06 19.05284	16 16 11.59	+12 06 25.9	15.5 T	613	C/2000 K2	2000 06 19.62205	17 15 51.19	+13 17 58.1		402
C/2000 K1	2000 06 19.62898	16 15 44.63	+12 09 03.3	15.2 T	402	C/2000 K2	2000 06 25.32897	17 13 37.56	+13 38 05.5		642
C/2000 K1	2000 06 19.63128	16 15 44.55	+12 09 04.4		402	C/2000 K2	2000 06 25.34697	17 13 37.26	+13 38 07.2		642
C/2000 K1	2000 06 19.63591	16 15 44.38	+12 09 04.2		402	C/2000 K2	2000 06 28.66010	17 12 26.27	+13 45 24.5	16.3 T	402
C/2000 K1	2000 06 19.90600	16 15 31.75	+12 10 16.4	15.5 T	613	C/2000 K2	2000 06 28.66242	17 12 26.22	+13 45 24.8		402
C/2000 K1	2000 06 19.93730	16 15 30.26	+12 10 27.4	16.7 N	170	C/2000 K2	2000 06 28.66472	17 12 26.17	+13 45 24.9		402
C/2000 K1	2000 06 19.96389	16 15 29.20	+12 10 30.9	15.4 T	613	C/2000 K2	2000 06 30.63628	17 11 47.16	+13 48 11.2	16.4 T	360
C/2000 K1	2000 06 25.35109	16 11 23.36	+12 32 56.5	17.6 T	608	C/2000 K2	2000 06 30.64080	17 11 47.08	+13 48 11.5		360
C/2000 K1	2000 06 25.36208	16 11 22.88	+12 32 59.2	17.4 T	608	C/2000 K2	2000 07 01.59244	17 11 29.33	+13 49 06.7		349
C/2000 K1	2000 06 25.37315	16 11 22.39	+12 33 01.5	17.0 T	608	C/2000 K2	2000 07 01.59593	17 11 29.15	+13 49 07.3	16.4 T	349
C/2000 K1	2000 06 26.92753	16 10 14.17	+12 38 50.5	15.6 T	613	C/2000 K2	2000 07 01.60378	17 11 29.01	+13 49 06.4		349
C/2000 K1	2000 06 26.97495	16 10 12.04	+12 38 59.1	15.6 T	613	C/2000 K2	2000 07 03.65450	17 10 52.79	+13 50 08.7	16.4 T	402
C/2000 K1	2000 06 26.98632	16 10 11.46	+12 39 03.1	15.8 T	613	C/2000 K2	2000 07 03.65681	17 10 52.75	+13 50 08.7		402

C/2000 K2	2000 07 03.65911	17 10 52.62	+13 50 09.2		402	C/2000 L5	2000 06 15.65979	05 32 28.3	+21 55 46		249
C/2000 K2	2000 07 05.51997	17 10 23.13	+13 50 02.2		300	Geocentric position (AU)	+0.00527362	+0.00865161	+0.00345920		
C/2000 K2	2000 07 05.52209	17 10 23.13	+13 50 01.6		300	C/2000 L5	2000 06 15.67090	05 32 32.2	+21 58 01		249
C/2000 K2	2000 07 08.53030	17 09 41.54	+13 47 42.8	15.4 T	900	Geocentric position (AU)	+0.00527218	+0.00865182	+0.00345961		
C/2000 K2	2000 07 08.54423	17 09 41.36	+13 47 42.1		900	C/2000 L5	2000 06 15.68478	05 32 38.4	+22 00 31		249
C/2000 K2	2000 07 09.32140	17 09 32.32	+13 46 37.7		642	Geocentric position (AU)	+0.00527038	+0.00865209	+0.00346013		
C/2000 K2	2000 07 09.32388	17 09 32.03	+13 46 37.0		642	C/2000 L5	2000 06 15.70147	05 32 44.9	+22 03 39		249
C/2000 K2	2000 07 19.66818	17 08 32.34	+13 17 52.7	16.4 T	402	Geocentric position (AU)	+0.00526822	+0.00865240	+0.00346074		
C/2000 K2	2000 07 19.67071	17 08 32.40	+13 17 52.6		402	C/2000 L5	2000 06 15.72645	05 32 54.2	+22 08 31		249
C/2000 K2	2000 07 19.67324	17 08 32.38	+13 17 51.5		402	Geocentric position (AU)	+0.00526499	+0.00865287	+0.00346167		
C/2000 K2	2000 07 21.54688	17 08 35.60	+13 09 48.6	16.2 T	360	C/2000 L5	2000 06 15.74312	05 33 01.4	+22 11 49		249
C/2000 K2	2000 07 21.54931	17 08 35.59	+13 09 47.9		360	Geocentric position (AU)	+0.00526283	+0.00865319	+0.00346229		
C/2000 L4 (SOHO)											
C/2000 L4	2000 06 14.57645	05 28 58.2	+21 32 22		249	C/2000 L5	2000 06 15.75423	05 33 06.1	+22 14 05		249
Geocentric position (AU)	+0.00541143	+0.00863121	+0.00341920			Geocentric position (AU)	+0.00526139	+0.00865340	+0.00346270		
C/2000 L4	2000 06 14.58914	05 29 02.5	+21 35 23		249	C/2000 L5	2000 06 15.76812	05 33 12.1	+22 16 48		249
Geocentric position (AU)	+0.00540985	+0.00863144	+0.00341966			Geocentric position (AU)	+0.00525958	+0.00865366	+0.00346321		
C/2000 L4	2000 06 14.60145	05 29 06.6	+21 38 20		249	C/2000 L5	2000 06 15.78479	05 33 20.0	+22 20 22		249
Geocentric position (AU)	+0.00540831	+0.00863167	+0.00342012			Geocentric position (AU)	+0.00525742	+0.00865398	+0.00346383		
C/2000 L4	2000 06 14.61836	05 29 12.0	+21 40 51		249	C/2000 L5	2000 06 15.81033	05 33 32.9	+22 25 52		249
Geocentric position (AU)	+0.00540619	+0.00863199	+0.00342074			Geocentric position (AU)	+0.00525410	+0.00865446	+0.00346478		
C/2000 L4	2000 06 14.62924	05 29 13.3	+21 42 41		249	C/2000 L5	2000 06 15.82645	05 33 41.2	+22 29 24		249
Geocentric position (AU)	+0.00540483	+0.00863219	+0.00342114			Geocentric position (AU)	+0.00525200	+0.00865477	+0.00346538		
C/2000 L4	2000 06 14.64312	05 29 14.9	+21 45 41		249	C/2000 L5	2000 06 15.83756	05 33 47.1	+22 31 53		249
Geocentric position (AU)	+0.00540309	+0.00863245	+0.00342165			Geocentric position (AU)	+0.00525056	+0.00865498	+0.00346579		
C/2000 L4	2000 06 14.65979	05 29 22.3	+21 49 11		249	C/2000 L5	2000 06 15.85146	05 33 55.2	+22 35 04		249
Geocentric position (AU)	+0.00540100	+0.00863277	+0.00342226			Geocentric position (AU)	+0.00524875	+0.00865524	+0.00346630		
C/2000 L4	2000 06 14.67092	05 29 27.5	+21 51 25		249	C/2000 M1 (SOHO)					
Geocentric position (AU)	+0.00539960	+0.00863297	+0.00342267			C/2000 M1	2000 06 17.75702	05 42 03.2	+21 34 28		249
C/2000 L4	2000 06 14.70145	05 29 37.1	+21 58 15		249	Geocentric position (AU)	+0.00499274	+0.00869162	+0.00353741		
Geocentric position (AU)	+0.00539577	+0.00863355	+0.00342379			C/2000 M1	2000 06 17.76395	05 42 05.4	+21 35 44		249
C/2000 L4	2000 06 14.71410	05 29 41.8	+22 00 43		249	Geocentric position (AU)	+0.00499177	+0.00869175	+0.00353767		
Geocentric position (AU)	+0.00539418	+0.00863378	+0.00342425			C/2000 M1	2000 06 17.77090	05 42 06.7	+21 36 51		249
C/2000 L4	2000 06 14.72645	05 29 46.3	+22 03 42		249	Geocentric position (AU)	+0.00499081	+0.00869189	+0.00353793		
Geocentric position (AU)	+0.00539263	+0.00863402	+0.00342471			C/2000 M1	2000 06 17.77787	05 42 08.0	+21 37 57		249
C/2000 L4	2000 06 14.74312	05 29 52.7	+22 06 52		249	Geocentric position (AU)	+0.00498984	+0.00869202	+0.00353819		
Geocentric position (AU)	+0.00539054	+0.00863433	+0.00342532			C/2000 M1	2000 06 17.78496	05 42 10.5	+21 39 17		249
C/2000 L4	2000 06 14.75423	05 29 56.3	+22 09 39		249	Geocentric position (AU)	+0.00498886	+0.00869215	+0.00353846		
Geocentric position (AU)	+0.00538914	+0.00863454	+0.00342573			C/2000 M1	2000 06 17.79173	05 42 12.5	+21 40 20		249
C/2000 L5 (SOHO)											
C/2000 L5	2000 06 15.57645	05 32 00.7	+21 41 01		249	Geocentric position (AU)	+0.00498792	+0.00869228	+0.00353871		
Geocentric position (AU)	+0.00528438	+0.00865004	+0.00345612			C/2000 M1	2000 06 17.79881	05 42 14.6	+21 41 32		249
C/2000 L5	2000 06 15.58912	05 32 05.2	+21 43 05		249	Geocentric position (AU)	+0.00498693	+0.00869242	+0.00353898		
Geocentric position (AU)	+0.00528275	+0.00865028	+0.00345658			C/2000 M1	2000 06 17.80562	05 42 16.6	+21 42 47		249
C/2000 L5	2000 06 15.60145	05 32 09.5	+21 45 13		249	Geocentric position (AU)	+0.00498599	+0.00869255	+0.00353923		
Geocentric position (AU)	+0.00528116	+0.00865051	+0.00345704			C/2000 M1	2000 06 17.81256	05 42 18.8	+21 43 57		249
C/2000 L5	2000 06 15.61812	05 32 13.7	+21 48 11		249	Geocentric position (AU)	+0.00498502	+0.00869268	+0.00353949		
Geocentric position (AU)	+0.00527901	+0.00865082	+0.00345766			C/2000 M1	2000 06 17.81952	05 42 20.7	+21 45 10		249
C/2000 L5	2000 06 15.62924	05 32 18.3	+21 50 05		249	Geocentric position (AU)	+0.00498405	+0.00869282	+0.00353975		
Geocentric position (AU)	+0.00527757	+0.00865103	+0.00345807			C/2000 M1	2000 06 17.82663	05 42 22.8	+21 46 26		249
C/2000 L5	2000 06 15.64312	05 32 23.0	+21 52 43		249	Geocentric position (AU)	+0.00498307	+0.00869295	+0.00354002		
Geocentric position (AU)	+0.00527577	+0.00865130	+0.00345858			C/2000 M1	2000 06 17.83340	05 42 25.0	+21 47 39		249
						Geocentric position (AU)	+0.00498212	+0.00869308	+0.00354028		

C/2000 M1	2000 06	17.84034	05 42 27.5	+21 48 57	249
Geocentric position (AU)		+0.00498116	+0.00869321	+0.00354054	
C/2000 M1	2000 06	17.84730	05 42 29.9	+21 50 12	249
Geocentric position (AU)		+0.00498019	+0.00869335	+0.00354080	
C/2000 M1	2000 06	17.85423	05 42 31.8	+21 51 26	249
Geocentric position (AU)		+0.00497922	+0.00869348	+0.00354106	
C/2000 M1	2000 06	17.86120	05 42 34.1	+21 52 44	249
Geocentric position (AU)		+0.00497825	+0.00869361	+0.00354132	
C/2000 M1	2000 06	17.86831	05 42 36.7	+21 54 03	249
Geocentric position (AU)		+0.00497726	+0.00869375	+0.00354159	
C/2000 M1	2000 06	17.88205	05 42 41.3	+21 56 37	249
Geocentric position (AU)		+0.00497535	+0.00869401	+0.00354210	
C/2000 M1	2000 06	17.88897	05 42 44.1	+21 57 52	249
Geocentric position (AU)		+0.00497438	+0.00869415	+0.00354236	
C/2000 M1	2000 06	17.89590	05 42 46.0	+21 59 14	249
Geocentric position (AU)		+0.00497342	+0.00869428	+0.00354262	
C/2000 M1	2000 06	17.90286	05 42 48.8	+22 00 32	249
Geocentric position (AU)		+0.00497245	+0.00869441	+0.00354288	
C/2000 M1	2000 06	17.90997	05 42 51.2	+22 01 56	249
Geocentric position (AU)		+0.00497145	+0.00869455	+0.00354315	
C/2000 M1	2000 06	17.91673	05 42 53.3	+22 03 14	249
Geocentric position (AU)		+0.00497051	+0.00869468	+0.00354340	
C/2000 M1	2000 06	17.92367	05 42 56.2	+22 04 39	249
Geocentric position (AU)		+0.00496954	+0.00869481	+0.00354366	
C/2000 M1	2000 06	17.93062	05 42 58.8	+22 06 01	249
Geocentric position (AU)		+0.00496857	+0.00869494	+0.00354393	
C/2000 M1	2000 06	17.93758	05 43 01.7	+22 07 23	249
Geocentric position (AU)		+0.00496760	+0.00869508	+0.00354419	
C/2000 M1	2000 06	17.94451	05 43 04.2	+22 08 46	249
Geocentric position (AU)		+0.00496663	+0.00869521	+0.00354445	
C/2000 M1	2000 06	17.96534	05 43 12.2	+22 13 05	249
Geocentric position (AU)		+0.00496372	+0.00869561	+0.00354523	
C/2000 M1	2000 06	17.97230	05 43 15.3	+22 14 27	249
Geocentric position (AU)		+0.00496275	+0.00869574	+0.00354549	
C/2000 M1	2000 06	17.97923	05 43 18.1	+22 15 55	249
Geocentric position (AU)		+0.00496178	+0.00869587	+0.00354575	
C/2000 M1	2000 06	17.98619	05 43 21.0	+22 17 26	249
Geocentric position (AU)		+0.00496081	+0.00869601	+0.00354601	
C/2000 M1	2000 06	17.99328	05 43 24.4	+22 18 52	249
Geocentric position (AU)		+0.00495981	+0.00869614	+0.00354628	
C/2000 M1	2000 06	18.00701	05 43 30.2	+22 21 54	249
Geocentric position (AU)		+0.00495789	+0.00869640	+0.00354679	
C/2000 M1	2000 06	18.01396	05 43 33.8	+22 23 15	249
Geocentric position (AU)		+0.00495692	+0.00869654	+0.00354706	
C/2000 M1	2000 06	18.02090	05 43 36.7	+22 24 54	249
Geocentric position (AU)		+0.00495595	+0.00869667	+0.00354732	
C/2000 M1	2000 06	18.02784	05 43 39.9	+22 26 27	249
Geocentric position (AU)		+0.00495497	+0.00869680	+0.00354758	
C/2000 M1	2000 06	18.03495	05 43 43.7	+22 28 06	249
Geocentric position (AU)		+0.00495398	+0.00869694	+0.00354784	
C/2000 M1	2000 06	18.04173	05 43 46.8	+22 29 34	249
Geocentric position (AU)		+0.00495303	+0.00869707	+0.00354810	

C/2000 M2 (SOHO)					
C/2000 M2	2000 06	18.20840	05 44 06.6	+21 47 12	249
Geocentric position (AU)		+0.00492965	+0.00870024	+0.00355430	
C/2000 M2	2000 06	18.21535	05 44 12.0	+21 48 12	249
Geocentric position (AU)		+0.00492867	+0.00870037	+0.00355457	
C/2000 M2	2000 06	18.22228	05 44 12.9	+21 49 31	249
Geocentric position (AU)		+0.00492769	+0.00870050	+0.00355483	
C/2000 M2	2000 06	18.22923	05 44 14.7	+21 50 27	249
Geocentric position (AU)		+0.00492671	+0.00870064	+0.00355509	
C/2000 M2	2000 06	18.23619	05 44 17.4	+21 51 55	249
Geocentric position (AU)		+0.00492572	+0.00870077	+0.00355535	
C/2000 M2	2000 06	18.24329	05 44 19.8	+21 53 00	249
Geocentric position (AU)		+0.00492472	+0.00870091	+0.00355562	
C/2000 M2	2000 06	18.25006	05 44 21.3	+21 54 22	249
Geocentric position (AU)		+0.00492377	+0.00870104	+0.00355587	
C/2000 M2	2000 06	18.25701	05 44 23.6	+21 55 50	249
Geocentric position (AU)		+0.00492278	+0.00870117	+0.00355613	
C/2000 M2	2000 06	18.26396	05 44 25.6	+21 56 57	249
Geocentric position (AU)		+0.00492180	+0.00870130	+0.00355639	
C/2000 M2	2000 06	18.27090	05 44 28.2	+21 58 04	249
Geocentric position (AU)		+0.00492082	+0.00870143	+0.00355665	
C/2000 M2	2000 06	18.27784	05 44 31.0	+21 59 28	249
Geocentric position (AU)		+0.00491984	+0.00870157	+0.00355692	
C/2000 M2	2000 06	18.28495	05 44 33.1	+22 00 39	249
Geocentric position (AU)		+0.00491884	+0.00870170	+0.00355718	
C/2000 M2	2000 06	18.29175	05 44 35.9	+22 02 06	249
Geocentric position (AU)		+0.00491788	+0.00870183	+0.00355744	
C/2000 M2	2000 06	18.29869	05 44 37.7	+22 03 27	249
Geocentric position (AU)		+0.00491689	+0.00870196	+0.00355770	
C/2000 M2	2000 06	18.30562	05 44 40.0	+22 04 41	249
Geocentric position (AU)		+0.00491591	+0.00870210	+0.00355796	
C/2000 M2	2000 06	18.31256	05 44 43.1	+22 06 10	249
Geocentric position (AU)		+0.00491493	+0.00870223	+0.00355822	
C/2000 M2	2000 06	18.31951	05 44 45.4	+22 07 14	249
Geocentric position (AU)		+0.00491395	+0.00870236	+0.00355848	
C/2000 M2	2000 06	18.32666	05 44 47.1	+22 08 49	249
Geocentric position (AU)		+0.00491293	+0.00870250	+0.00355875	
C/2000 M2	2000 06	18.33341	05 44 50.7	+22 10 04	249
Geocentric position (AU)		+0.00491198	+0.00870263	+0.00355901	
C/2000 M2	2000 06	18.34035	05 44 54.5	+22 11 33	249
Geocentric position (AU)		+0.00491100	+0.00870276	+0.00355927	
C/2000 M2	2000 06	18.34729	05 44 55.5	+22 12 58	249
Geocentric position (AU)		+0.00491001	+0.00870289	+0.00355953	
C/2000 M2	2000 06	18.36829	05 45 02.6	+22 17 23	249
Geocentric position (AU)		+0.00490704	+0.00870329	+0.00356032	
C/2000 M2	2000 06	18.37506	05 45 06.6	+22 18 28	249
Geocentric position (AU)		+0.00490608	+0.00870342	+0.00356057	
C/2000 M3 (SOHO)					
C/2000 M3	2000 06	19.34729	05 49 02.0	+21 41 29	249
Geocentric position (AU)		+0.00476573	+0.00872188	+0.00359719	
C/2000 M3	2000 06	19.35424	05 49 04.5	+21 43 12	249
Geocentric position (AU)		+0.00476471	+0.00872202	+0.00359745	

C/2000 M3	2000 06	19.36117	05 49	05.7	+21 44	38	249
Geocentric position (AU)		+0.00476369	+0.00872215	+0.00359772			
C/2000 M3	2000 06	19.36828	05 49	08.7	+21 45	54	249
Geocentric position (AU)		+0.00476265	+0.00872228	+0.00359798			
C/2000 M3	2000 06	19.37508	05 49	11.8	+21 47	48	249
Geocentric position (AU)		+0.00476165	+0.00872241	+0.00359824			
C/2000 M3	2000 06	19.38202	05 49	13.4	+21 48	26	249
Geocentric position (AU)		+0.00476063	+0.00872254	+0.00359850			
C/2000 M3	2000 06	19.38895	05 49	13.8	+21 50	05	249
Geocentric position (AU)		+0.00475961	+0.00872267	+0.00359876			
C/2000 M3	2000 06	19.39590	05 49	18.1	+21 51	05	249
Geocentric position (AU)		+0.00475858	+0.00872280	+0.00359902			
C/2000 M3	2000 06	19.40284	05 49	20.8	+21 52	25	249
Geocentric position (AU)		+0.00475756	+0.00872293	+0.00359929			
C/2000 M3	2000 06	19.41000	05 49	22.4	+21 53	51	249
Geocentric position (AU)		+0.00475651	+0.00872307	+0.00359956			
C/2000 M3	2000 06	19.41673	05 49	24.9	+21 55	05	249
Geocentric position (AU)		+0.00475552	+0.00872319	+0.00359981			
C/2000 M3	2000 06	19.42411	05 49	27.3	+21 56	41	249
Geocentric position (AU)		+0.00475443	+0.00872333	+0.00360009			
C/2000 M3	2000 06	19.43063	05 49	30.7	+21 57	48	249
Geocentric position (AU)		+0.00475347	+0.00872345	+0.00360033			

C/2000 M4 (SOHO)

C/2000 M4	2000 06	22.12090	05 59	52.2	+21 38	23	249
Geocentric position (AU)		+0.00433660	+0.00877174	+0.00370144			
C/2000 M4	2000 06	22.12923	05 59	55.7	+21 39	46	249
Geocentric position (AU)		+0.00433525	+0.00877188	+0.00370176			
C/2000 M4	2000 06	22.14590	06 00	00.3	+21 42	45	249
Geocentric position (AU)		+0.00433253	+0.00877215	+0.00370238			
C/2000 M4	2000 06	22.17090	06 00	09.1	+21 47	00	249
Geocentric position (AU)		+0.00432845	+0.00877257	+0.00370331			
C/2000 M4	2000 06	22.18756	06 00	16.1	+21 50	32	249
Geocentric position (AU)		+0.00432573	+0.00877285	+0.00370393			
C/2000 M4	2000 06	22.20423	06 00	23.5	+21 53	00	249
Geocentric position (AU)		+0.00432301	+0.00877312	+0.00370455			
C/2000 M4	2000 06	22.21256	06 00	27.0	+21 55	07	249
Geocentric position (AU)		+0.00432165	+0.00877326	+0.00370486			
C/2000 M4	2000 06	22.22923	06 00	33.4	+21 58	05	249
Geocentric position (AU)		+0.00431893	+0.00877354	+0.00370548			
C/2000 M4	2000 06	22.24591	06 00	41.2	+22 01	38	249
Geocentric position (AU)		+0.00431620	+0.00877381	+0.00370610			
C/2000 M4	2000 06	22.25423	06 00	45.5	+22 03	04	249
Geocentric position (AU)		+0.00431484	+0.00877395	+0.00370641			
C/2000 M4	2000 06	22.27090	06 00	52.4	+22 06	30	249
Geocentric position (AU)		+0.00431211	+0.00877423	+0.00370703			
C/2000 M4	2000 06	22.28756	06 01	00.8	+22 10	12	249
Geocentric position (AU)		+0.00430938	+0.00877450	+0.00370766			
C/2000 M4	2000 06	22.31385	06 01	13.8	+22 15	41	249
Geocentric position (AU)		+0.00430507	+0.00877493	+0.00370863			
C/2000 M4	2000 06	22.32930	06 01	22.2	+22 19	07	249
Geocentric position (AU)		+0.00430254	+0.00877519	+0.00370921			

C/2000 M4	2000 06	22.33758	06 01	26.5	+22 20	58	249
Geocentric position (AU)		+0.00430118	+0.00877532	+0.00370952			

C/2000 M5 (SOHO)

C/2000 M5	2000 06	24.13244	06 07	02.2	+21 59	31	249
Geocentric position (AU)		+0.00399655	+0.00880220	+0.00377550			
C/2000 M5	2000 06	24.18189	06 07	28.6	+22 08	51	249
Geocentric position (AU)		+0.00398787	+0.00880285	+0.00377729			
C/2000 M5	2000 06	24.20541	06 07	42.3	+22 13	27	249
Geocentric position (AU)		+0.00398374	+0.00880316	+0.00377814			
C/2000 M5	2000 06	24.24280	06 08	05.3	+22 21	09	249
Geocentric position (AU)		+0.00397716	+0.00880365	+0.00377949			
C/2000 M5	2000 06	24.25821	06 08	15.9	+22 24	23	249
Geocentric position (AU)		+0.00397445	+0.00880385	+0.00378005			
C/2000 M5	2000 06	24.26535	06 08	20.3	+22 25	55	249
Geocentric position (AU)		+0.00397319	+0.00880395	+0.00378030			

C/2000 M6 (SOHO)

C/2000 M6	2000 06	25.47925	06 12	56.6	+21 46	22	249
Geocentric position (AU)		+0.00375463	+0.00881800	+0.00382349			
C/2000 M6	2000 06	25.49590	06 13	05.4	+21 49	00	249
Geocentric position (AU)		+0.00375157	+0.00881817	+0.00382408			
C/2000 M6	2000 06	25.50423	06 13	09.3	+21 51	05	249
Geocentric position (AU)		+0.00375004	+0.00881825	+0.00382437			
C/2000 M6	2000 06	25.52090	06 13	16.9	+21 54	08	249
Geocentric position (AU)		+0.00374697	+0.00881842	+0.00382495			
C/2000 M6	2000 06	25.53757	06 13	24.5	+21 56	37	249
Geocentric position (AU)		+0.00374390	+0.00881858	+0.00382553			
C/2000 M6	2000 06	25.56382	06 13	40.4	+22 01	58	249
Geocentric position (AU)		+0.00373906	+0.00881884	+0.00382645			
C/2000 M6	2000 06	25.57926	06 13	48.4	+22 04	38	249
Geocentric position (AU)		+0.00373621	+0.00881899	+0.00382699			
C/2000 M6	2000 06	25.58758	06 13	53.5	+22 06	27	249
Geocentric position (AU)		+0.00373467	+0.00881907	+0.00382728			
C/2000 M6	2000 06	25.60425	06 14	02.5	+22 09	51	249
Geocentric position (AU)		+0.00373160	+0.00881923	+0.00382786			
C/2000 M6	2000 06	25.62090	06 14	12.3	+22 13	17	249
Geocentric position (AU)		+0.00372852	+0.00881939	+0.00382844			
C/2000 M6	2000 06	25.62923	06 14	18.4	+22 14	57	249
Geocentric position (AU)		+0.00372698	+0.00881947	+0.00382873			
C/2000 M6	2000 06	25.64590	06 14	27.8	+22 18	26	249
Geocentric position (AU)		+0.00372390	+0.00881963	+0.00382931			
C/2000 M6	2000 06	25.66289	06 14	38.9	+22 22	04	249
Geocentric position (AU)		+0.00372076	+0.00881979	+0.00382990			
C/2000 M6	2000 06	25.67091	06 14	43.6	+22 23	53	249
Geocentric position (AU)		+0.00371927	+0.00881987	+0.00383018			

C/2000 M7 (SOHO)

C/2000 M7	2000 06	26.47090	06 14	52.9	+20 25	41	249
Geocentric position (AU)		+0.00356917	+0.00882648	+0.00385764			
C/2000 M7	2000 06	26.48756	06 14	57.9	+20 27	59	249
Geocentric position (AU)		+0.00356600	+0.00882659	+0.00385820			
C/2000 M7	2000 06	26.51256	06 15	08.6	+20 30	52	249
Geocentric position (AU)		+0.00356124	+0.00882676	+0.00385905			

C/2000 M7	2000 06 26.52923	06 15 12.1	+20 32 06	249
Geocentric position (AU)	+0.00355807	+0.00882688	+0.00385961	
C/2000 M7	2000 06 26.57103	06 15 26.9	+20 38 14	249
Geocentric position (AU)	+0.00355010	+0.00882716	+0.00386102	
C/2000 M7	2000 06 26.59590	06 15 37.2	+20 42 01	249
Geocentric position (AU)	+0.00354535	+0.00882732	+0.00386186	
C/2000 M7	2000 06 26.61256	06 15 45.4	+20 44 46	249
Geocentric position (AU)	+0.00354217	+0.00882743	+0.00386242	
C/2000 M7	2000 06 26.63756	06 15 53.4	+20 47 48	249
Geocentric position (AU)	+0.00353739	+0.00882760	+0.00386326	
C/2000 M7	2000 06 26.65423	06 15 59.6	+20 50 06	249
Geocentric position (AU)	+0.00353420	+0.00882770	+0.00386382	
C/2000 M7	2000 06 26.67923	06 16 09.2	+20 53 30	249
Geocentric position (AU)	+0.00352942	+0.00882786	+0.00386466	
C/2000 M7	2000 06 26.69590	06 16 16.5	+20 56 01	249
Geocentric position (AU)	+0.00352623	+0.00882796	+0.00386522	
C/2000 M7	2000 06 26.72090	06 16 25.4	+20 59 27	249
Geocentric position (AU)	+0.00352144	+0.00882812	+0.00386606	
C/2000 M7	2000 06 26.73756	06 16 30.8	+21 01 58	249
Geocentric position (AU)	+0.00351824	+0.00882822	+0.00386661	
C/2000 M7	2000 06 26.76256	06 16 41.8	+21 05 53	249
Geocentric position (AU)	+0.00351344	+0.00882837	+0.00386745	
C/2000 M7	2000 06 26.77923	06 16 50.5	+21 08 30	249
Geocentric position (AU)	+0.00351024	+0.00882847	+0.00386801	
C/2000 M7	2000 06 26.82100	06 17 06.8	+21 14 33	249
Geocentric position (AU)	+0.00350221	+0.00882872	+0.00386940	
C/2000 M7	2000 06 26.84591	06 17 18.2	+21 18 44	249
Geocentric position (AU)	+0.00349742	+0.00882886	+0.00387023	
C/2000 M7	2000 06 26.86256	06 17 26.5	+21 21 28	249
Geocentric position (AU)	+0.00349421	+0.00882896	+0.00387079	
C/2000 M7	2000 06 26.88782	06 17 38.5	+21 25 33	249
Geocentric position (AU)	+0.00348935	+0.00882910	+0.00387163	
C/2000 M7	2000 06 26.90423	06 17 47.0	+21 28 02	249
Geocentric position (AU)	+0.00348618	+0.00882919	+0.00387217	
C/2000 M7	2000 06 26.92923	06 17 58.3	+21 32 28	249
Geocentric position (AU)	+0.00348136	+0.00882933	+0.00387301	
C/2000 M7	2000 06 26.97098	06 18 18.5	+21 39 30	249
Geocentric position (AU)	+0.00347330	+0.00882955	+0.00387439	
C/2000 M7	2000 06 26.98756	06 18 29.0	+21 42 28	249
Geocentric position (AU)	+0.00347009	+0.00882964	+0.00387494	
C/2000 M7	2000 06 27.06383	06 19 10.9	+21 56 34	249
Geocentric position (AU)	+0.00345532	+0.00883003	+0.00387746	
C/2000 M7	2000 06 27.07100	06 19 15.0	+21 57 49	249
Geocentric position (AU)	+0.00345394	+0.00883006	+0.00387770	
C/2000 M7	2000 06 27.07926	06 19 20.2	+21 59 33	249
Geocentric position (AU)	+0.00345233	+0.00883010	+0.00387797	
C/2000 M7	2000 06 27.08756	06 19 25.2	+22 01 13	249
Geocentric position (AU)	+0.00345072	+0.00883014	+0.00387825	
C/2000 M7	2000 06 27.09590	06 19 30.7	+22 02 40	249
Geocentric position (AU)	+0.00344911	+0.00883018	+0.00387852	
C/2000 M7	2000 06 27.10423	06 19 35.8	+22 04 35	249
Geocentric position (AU)	+0.00344748	+0.00883022	+0.00387880	

C/2000 M7	2000 06 27.12090	06 19 46.9	+22 07 57	249
Geocentric position (AU)	+0.00344425	+0.00883030	+0.00387935	
C/2000 M7	2000 06 27.12923	06 19 52.3	+22 09 38	249
Geocentric position (AU)	+0.00344263	+0.00883034	+0.00387962	
C/2000 M7	2000 06 27.13756	06 19 59.5	+22 11 32	249
Geocentric position (AU)	+0.00344102	+0.00883038	+0.00387989	
C/2000 M7	2000 06 27.14590	06 20 03.9	+22 13 07	249
Geocentric position (AU)	+0.00343939	+0.00883042	+0.00388017	
C/2000 M7	2000 06 27.15423	06 20 11.2	+22 15 29	249
Geocentric position (AU)	+0.00343778	+0.00883046	+0.00388044	
C/2000 M7	2000 06 27.16256	06 20 15.5	+22 16 46	249
Geocentric position (AU)	+0.00343615	+0.00883050	+0.00388072	
C/2000 M7	2000 06 27.17091	06 20 21.8	+22 18 31	249
Geocentric position (AU)	+0.00343453	+0.00883054	+0.00388099	
C/2000 M7	2000 06 27.17923	06 20 28.3	+22 19 56	249
Geocentric position (AU)	+0.00343292	+0.00883057	+0.00388126	
C/2000 M7	2000 06 27.18757	06 20 34.3	+22 22 13	249
Geocentric position (AU)	+0.00343129	+0.00883061	+0.00388154	
C/2000 M7	2000 06 27.20423	06 20 47.4	+22 26 01	249
Geocentric position (AU)	+0.00342804	+0.00883069	+0.00388209	
C/2000 M7	2000 06 27.21256	06 20 54.3	+22 27 55	249
Geocentric position (AU)	+0.00342642	+0.00883072	+0.00388236	

C/2000 M8 (SOHO)

C/2000 M8	2000 06 27.77924	06 20 46.9	+21 17 41	249
Geocentric position (AU)	+0.00331509	+0.00883261	+0.00390070	
C/2000 M8	2000 06 27.82103	06 21 07.5	+21 24 05	249
Geocentric position (AU)	+0.00330681	+0.00883270	+0.00390203	
C/2000 M8	2000 06 27.84590	06 21 21.7	+21 28 26	249
Geocentric position (AU)	+0.00330187	+0.00883275	+0.00390282	
C/2000 M8	2000 06 27.86256	06 21 28.1	+21 30 32	249
Geocentric position (AU)	+0.00329856	+0.00883279	+0.00390335	
C/2000 M8	2000 06 27.88756	06 21 41.9	+21 34 49	249
Geocentric position (AU)	+0.00329359	+0.00883283	+0.00390414	
C/2000 M8	2000 06 27.90423	06 21 50.5	+21 37 41	249
Geocentric position (AU)	+0.00329028	+0.00883286	+0.00390467	
C/2000 M8	2000 06 27.97099	06 22 28.2	+21 48 38	249
Geocentric position (AU)	+0.00327698	+0.00883297	+0.00390679	
C/2000 M8	2000 06 27.98788	06 22 38.7	+21 52 09	249
Geocentric position (AU)	+0.00327362	+0.00883299	+0.00390732	
C/2000 M8	2000 06 28.00455	06 22 47.6	+21 55 10	249
Geocentric position (AU)	+0.00327028	+0.00883302	+0.00390785	
C/2000 M8	2000 06 28.01256	06 22 54.3	+21 56 55	249
Geocentric position (AU)	+0.00326869	+0.00883303	+0.00390810	
C/2000 M8	2000 06 28.02090	06 22 57.3	+21 58 15	249
Geocentric position (AU)	+0.00326702	+0.00883304	+0.00390836	
C/2000 M8	2000 06 28.02923	06 23 05.3	+22 00 29	249
Geocentric position (AU)	+0.00326536	+0.00883305	+0.00390862	
C/2000 M8	2000 06 28.03790	06 23 07.8	+22 01 28	249
Geocentric position (AU)	+0.00326363	+0.00883306	+0.00390890	
C/2000 M8	2000 06 28.06385	06 23 25.1	+22 06 31	249
Geocentric position (AU)	+0.00325844	+0.00883309	+0.00390971	

C/2000 M8 2000 06 28.07934 06 23 35.4 +22 09 34 249
 Geocentric position (AU) +0.00325535 +0.00883311 +0.00391020
 C/2000 M8 2000 06 28.08756 06 23 41.3 +22 11 18 249
 Geocentric position (AU) +0.00325370 +0.00883311 +0.00391046
 C/2000 M8 2000 06 28.10423 06 23 53.1 +22 14 30 249
 Geocentric position (AU) +0.00325037 +0.00883313 +0.00391098
 C/2000 M8 2000 06 28.12090 06 24 05.4 +22 18 02 249
 Geocentric position (AU) +0.00324703 +0.00883315 +0.00391150
 C/2000 M8 2000 06 28.12923 06 24 11.6 +22 19 45 249
 Geocentric position (AU) +0.00324536 +0.00883315 +0.00391177
 C/2000 M8 2000 06 28.14590 06 24 24.7 +22 23 24 249
 Geocentric position (AU) +0.00324202 +0.00883317 +0.00391229
 C/2000 M8 2000 06 28.16257 06 24 39.0 +22 27 05 249
 Geocentric position (AU) +0.00323868 +0.00883318 +0.00391281

C/2000 M9 (SOHO)

C/2000 M9 2000 06 30.97098 06 31 38.1 +20 15 34 249
 Geocentric position (AU) +0.00265415 +0.00881712 +0.00399288
 C/2000 M9 2000 06 30.98758 06 31 43.3 +20 17 35 249
 Geocentric position (AU) +0.00265058 +0.00881691 +0.00399330
 C/2000 M9 2000 07 01.01256 06 31 51.2 +20 20 48 249
 Geocentric position (AU) +0.00264514 +0.00881661 +0.00399399
 C/2000 M9 2000 07 01.02923 06 31 59.6 +20 22 42 249
 Geocentric position (AU) +0.00264155 +0.00881640 +0.00399441
 C/2000 M9 2000 07 01.07090 06 32 14.8 +20 27 22 249
 Geocentric position (AU) +0.00263257 +0.00881586 +0.00399547
 C/2000 M9 2000 07 01.09590 06 32 30.9 +20 31 11 249
 Geocentric position (AU) +0.00262717 +0.00881553 +0.00399610
 C/2000 M9 2000 07 01.11257 06 32 38.0 +20 33 50 249
 Geocentric position (AU) +0.00262358 +0.00881531 +0.00399652
 C/2000 M9 2000 07 01.13920 06 32 50.3 +20 36 45 249
 Geocentric position (AU) +0.00261783 +0.00881495 +0.00399718
 C/2000 M9 2000 07 01.17928 06 33 07.1 +20 42 05 249
 Geocentric position (AU) +0.00260917 +0.00881441 +0.00399819
 C/2000 M9 2000 07 01.22104 06 33 25.9 +20 47 48 249
 Geocentric position (AU) +0.00260014 +0.00881383 +0.00399923
 C/2000 M9 2000 07 01.23756 06 33 35.4 +20 50 09 249
 Geocentric position (AU) +0.00259656 +0.00881360 +0.00399964
 C/2000 M9 2000 07 01.26257 06 33 49.4 +20 53 20 249
 Geocentric position (AU) +0.00259115 +0.00881325 +0.00400026
 C/2000 M9 2000 07 01.27924 06 33 56.7 +20 55 36 249
 Geocentric position (AU) +0.00258754 +0.00881301 +0.00400067
 C/2000 M9 2000 07 01.32094 06 34 17.7 +21 02 06 249
 Geocentric position (AU) +0.00257851 +0.00881242 +0.00400170
 C/2000 M9 2000 07 01.40425 06 35 00.7 +21 14 17 249
 Geocentric position (AU) +0.00256043 +0.00881120 +0.00400374
 C/2000 M9 2000 07 01.44595 06 35 25.9 +21 20 39 249
 Geocentric position (AU) +0.00255138 +0.00881058 +0.00400476
 C/2000 M9 2000 07 01.47090 06 35 40.5 +21 24 15 249
 Geocentric position (AU) +0.00254596 +0.00881020 +0.00400537
 C/2000 M9 2000 07 01.48756 06 35 48.8 +21 27 15 249
 Geocentric position (AU) +0.00254233 +0.00880995 +0.00400577

C/2000 M9 2000 07 01.51257 06 36 05.0 +21 31 25 249
 Geocentric position (AU) +0.00253689 +0.00880956 +0.00400638
 C/2000 M9 2000 07 01.52925 06 36 14.5 +21 34 11 249
 Geocentric position (AU) +0.00253326 +0.00880930 +0.00400678
 C/2000 M9 2000 07 01.57091 06 36 44.6 +21 40 58 249
 Geocentric position (AU) +0.00252419 +0.00880865 +0.00400778
 C/2000 M9 2000 07 01.59591 06 37 01.4 +21 45 28 249
 Geocentric position (AU) +0.00251875 +0.00880826 +0.00400838
 C/2000 M9 2000 07 01.61259 06 37 10.7 +21 48 50 249
 Geocentric position (AU) +0.00251511 +0.00880800 +0.00400878
 C/2000 M9 2000 07 01.63758 06 37 30.7 +21 53 16 249
 Geocentric position (AU) +0.00250966 +0.00880760 +0.00400938
 C/2000 M9 2000 07 01.65286 06 37 41.8 +21 56 14 249
 Geocentric position (AU) +0.00250632 +0.00880735 +0.00400974
 C/2000 M9 2000 07 01.66674 06 37 52.0 +21 58 59 249
 Geocentric position (AU) +0.00250329 +0.00880712 +0.00401007
 C/2000 M9 2000 07 01.67020 06 37 53.6 +21 59 40 249
 Geocentric position (AU) +0.00250255 +0.00880707 +0.00401015
 C/2000 M9 2000 07 01.68479 06 38 06.3 +22 02 32 249
 Geocentric position (AU) +0.00249935 +0.00880683 +0.00401050
 C/2000 M9 2000 07 01.69454 06 38 14.7 +22 04 33 249
 Geocentric position (AU) +0.00249723 +0.00880667 +0.00401073
 C/2000 M9 2000 07 01.71050 06 38 28.4 +22 07 48 249
 Geocentric position (AU) +0.00249374 +0.00880641 +0.00401111
 C/2000 M9 2000 07 01.72646 06 38 42.2 +22 11 07 249
 Geocentric position (AU) +0.00249025 +0.00880615 +0.00401149
 C/2000 M9 2000 07 01.73758 06 38 52.2 +22 13 25 249
 Geocentric position (AU) +0.00248782 +0.00880596 +0.00401175
 C/2000 M9 2000 07 01.75284 06 39 06.7 +22 16 46 249
 Geocentric position (AU) +0.00248449 +0.00880571 +0.00401211
 C/2000 M9 2000 07 01.76812 06 39 21.9 +22 20 20 249
 Geocentric position (AU) +0.00248115 +0.00880545 +0.00401247
 C/2000 M9 2000 07 01.78132 06 39 35.0 +22 23 09 249
 Geocentric position (AU) +0.00247826 +0.00880523 +0.00401278

C/2000 N1 (SOHO)

C/2000 N1 2000 07 01.92925 06 34 48.5 +19 23 51 249
 Geocentric position (AU) +0.00244588 +0.00880269 +0.00401623
 C/2000 N1 2000 07 01.97099 06 35 04.8 +19 27 53 249
 Geocentric position (AU) +0.00243672 +0.00880195 +0.00401720
 C/2000 N1 2000 07 01.98757 06 35 10.8 +19 30 07 249
 Geocentric position (AU) +0.00243308 +0.00880165 +0.00401758
 C/2000 N1 2000 07 02.01258 06 35 22.0 +19 32 55 249
 Geocentric position (AU) +0.00242759 +0.00880120 +0.00401815
 C/2000 N1 2000 07 02.02923 06 35 25.2 +19 34 12 249
 Geocentric position (AU) +0.00242393 +0.00880090 +0.00401853
 C/2000 N1 2000 07 02.07090 06 35 43.6 +19 39 20 249
 Geocentric position (AU) +0.00241478 +0.00880014 +0.00401949
 C/2000 N1 2000 07 02.09590 06 35 51.2 +19 41 49 249
 Geocentric position (AU) +0.00240928 +0.00879968 +0.00402005
 C/2000 N1 2000 07 02.11256 06 35 59.7 +19 44 12 249
 Geocentric position (AU) +0.00240562 +0.00879937 +0.00402043

C/2000 N2	2000 07 08.32090	07 01 18.6	+21 04 42		249	9P	2000 07 09.24506	00 38 08.64	-10 09 53.1	20.4 N	859
Geocentric position (AU)	+0.00098448	+0.00858778	+0.00411192			9P	2000 07 09.24784	00 38 08.64	-10 09 53.2	17.8 N	859
C/2000 N2	2000 07 08.36256	07 01 58.1	+21 10 33		249	9P	2000 07 09.25384	00 38 08.83	-10 09 54.7	18.1 N	859
Geocentric position (AU)	+0.00097465	+0.00858577	+0.00411221			9P	2000 07 09.26816	00 38 09.30	-10 09 55.5	18.0 N	859
C/2000 N2	2000 07 08.40423	07 02 32.7	+21 17 27		249	9P	2000 07 09.27286	00 38 09.48	-10 09 55.6	17.8 N	859
Geocentric position (AU)	+0.00096482	+0.00858374	+0.00411249			9P	2000 07 09.34355	00 38 11.75	-10 10 01.3	18.0 N	859
C/2000 N2	2000 07 08.44595	07 03 09.6	+21 24 32		249	9P	2000 07 11.39677	00 39 18.86	-10 13 13.7	17.5 T	704
Geocentric position (AU)	+0.00095498	+0.00858171	+0.00411276			9P	2000 07 11.40902	00 39 19.29	-10 13 15.1	17.0 T	704
C/2000 N2	2000 07 08.47090	07 03 32.0	+21 28 16		249	9P	2000 07 11.43360	00 39 20.07	-10 13 17.5	17.2 T	704
Geocentric position (AU)	+0.00094909	+0.00858049	+0.00411293			9P	2000 07 11.44587	00 39 20.48	-10 13 19.4	17.6 T	704
C/2000 N2	2000 07 08.48756	07 03 52.5	+21 32 02		249						
Geocentric position (AU)	+0.00094516	+0.00857967	+0.00411304								
C/2000 O1 (Koehn)											
C/2000 O1	1998 12 14.24572	04 33 16.35	+33 13 26.6	18.8 N	1 704	10P	1999 07 31.56417	17 04 42.03	-17 51 58.9		347
C/2000 O1	1998 12 14.26764	04 33 14.78	+33 13 28.1	19.2 N	1 704	10P	1999 07 31.56799	17 04 42.08	-17 52 02.5		347
C/2000 O1	1998 12 14.28975	04 33 12.89	+33 13 29.3	19.4 N	1 704	10P	1999 07 31.57177	17 04 42.32	-17 52 07.7		347
C/2000 O1	1998 12 14.31177	04 33 11.27	+33 13 26.6	19.2 N	1 704	10P	1999 09 23.47954	18 52 30.44	-31 06 16.5		347
C/2000 O1	1998 12 17.18172	04 29 39.92	+33 13 30.8	18.2 N	1 704	10P	1999 09 23.48271	18 52 30.95	-31 06 17.0		347
C/2000 O1	1998 12 17.20502	04 29 38.19	+33 13 30.7	18.6 N	1 704	10P	1999 09 23.48588	18 52 31.51	-31 06 18.3		347
C/2000 O1	1998 12 17.22827	04 29 36.44	+33 13 31.1	18.8 N	1 704	10P	1999 11 28.44064	22 13 22.00	-23 49 42.9		347
C/2000 O1	1998 12 17.25138	04 29 34.62	+33 13 32.0	19.6 N	1 704	10P	1999 11 28.44535	22 13 22.78	-23 49 38.1	13.4 T	347
C/2000 O1	1998 12 17.27465	04 29 32.98	+33 13 30.3	18.8 N	1 704	10P	1999 11 28.44790	22 13 23.18	-23 49 35.8	13.4 T	347
C/2000 O1	1999 10 31.27743	02 27 21.52	+43 00 10.5	19.0 N	1 704						
C/2000 O1	1999 10 31.29360	02 27 20.01	+43 00 07.0	19.2 N	1 704	14P	2000 06 09.01869	22 24 04.16	+19 48 11.7	18.7 T	561
C/2000 O1	1999 10 31.31006	02 27 18.30	+43 00 04.0	18.8 N	1 704	14P	2000 06 09.02332	22 24 04.40	+19 48 14.0	18.9 T	561
C/2000 O1	1999 11 01.24233	02 25 47.28	+42 57 24.1	18.3 N	1 704	14P	2000 06 09.02732	22 24 04.58	+19 48 16.8	18.6 T	561
C/2000 O1	1999 11 01.25880	02 25 45.68	+42 57 21.2	18.4 N	1 704						
C/2000 O1	1999 11 01.29173	02 25 42.42	+42 57 14.8	18.4 N	1 704						
C/2000 O1	1999 11 01.30817	02 25 40.80	+42 57 11.1	18.2 N	1 704						
C/2000 O1	1999 12 13.13058	01 26 43.44	+38 49 49.7	18.9 N	1 704	21P	1998 09 08.48583	16 39 32.89	+17 21 46.6	12.4 T	347
C/2000 O1	1999 12 13.14513	01 26 42.49	+38 49 42.4	19.3 N	1 704	21P	1998 09 08.48961	16 39 33.22	+17 21 42.4	12.7 T	347
C/2000 O1	1999 12 13.15969	01 26 41.62	+38 49 36.9	19.4 N	1 704	21P	1998 09 08.49290	16 39 33.51	+17 21 38.4	12.4 T	347
C/2000 O1	1999 12 13.18872	01 26 39.79	+38 49 22.2	18.8 N	1 704	21P	1998 10 11.43133	17 47 53.20	+05 44 19.6		347
C/2000 O1	2000 07 20.36467	01 03 24.38	+39 53 01.6	17.6 T	699	21P	1998 10 11.44899	17 47 56.15	+05 43 52.8		347
C/2000 O1	2000 07 20.37584	01 03 24.06	+39 53 03.4		699	21P	1998 10 11.45189	17 47 56.65	+05 43 48.8	10.6 T	347
C/2000 O1	2000 07 20.38693	01 03 23.33	+39 53 04.7		699	21P	1998 10 25.41461	18 32 57.41	-00 29 42.1		347
C/2000 O1	2000 07 20.39803	01 03 23.02	+39 53 07.6		699	21P	1998 10 25.41704	18 32 57.92	-00 29 46.2		347
C/2000 O1	2000 07 22.07410	01 02 18.03	+39 59 08.6		611	21P	1998 10 25.41921	18 32 58.39	-00 29 49.9		347
C/2000 O1	2000 07 22.08600	01 02 17.42	+39 59 09.5		611	21P	1998 11 05.42348	19 16 13.17	-05 56 42.8		347
C/2000 O1	2000 07 22.97988	01 01 41.57	+40 02 18.3	17.9 T	046	21P	1998 11 05.42575	19 16 13.74	-05 56 47.2		347
C/2000 O1	2000 07 22.99126	01 01 41.11	+40 02 20.1		046	21P	1998 11 05.42818	19 16 14.35	-05 56 51.7		347
C/2000 O1	2000 07 23.37434	01 01 25.93	+40 03 38.3		739	21P	1998 11 08.41863	19 29 12.86	-07 28 52.1		347
C/2000 O1	2000 07 23.39039	01 01 24.65	+40 03 41.9	18.7 N	739	21P	1998 11 08.42363	19 29 14.16	-07 29 01.4		347
C/2000 O1	2000 07 23.91348	01 01 03.22	+40 05 29.3		557	21P	1998 11 08.42691	19 29 15.01	-07 29 07.6		347
C/2000 O1	2000 07 23.91581	01 01 03.18	+40 05 30.0		557	21P	1998 11 14.39604	19 56 41.99	-10 33 17.1		347
9P/Tempel 1											
9P	2000 07 04.37020	00 35 02.45	-10 05 27.0	14.6 T	735	21P	1998 11 14.39925	19 56 42.91	-10 33 22.4		347
9P	2000 07 04.39787	00 35 03.57	-10 05 27.8	14.8 T	735	21P	1998 11 14.40293	19 56 43.92	-10 33 29.4		347
9P	2000 07 04.42847	00 35 04.77	-10 05 29.6	14.6 T	735	21P	1998 11 15.39429	20 01 29.14	-11 03 49.9		347
9P	2000 07 08.33468	00 37 36.48	-10 08 43.5	18.3 N	859	21P	1998 11 15.39866	20 01 30.38	-11 03 57.9		347
9P	2000 07 08.34060	00 37 36.65	-10 08 44.5	18.3 N	859	21P	1998 11 15.40088	20 01 31.01	-11 04 02.0		347
9P	2000 07 08.35080	00 37 37.04	-10 08 45.2	18.2 N	859	21P	1998 11 23.39515	20 41 41.20	-15 00 16.8		347
						21P	1998 11 23.39852	20 41 42.18	-15 00 23.0		347
						21P	1998 11 23.40146	20 41 43.15	-15 00 27.6		347
						21P	1999 01 16.43442	01 19 24.67	-22 17 27.5		347

21P	1999 01 16.43764	01 19 25.45	-22 17 26.0		347	55P	1998 02 09.44021	01 16 41.23	+19 31 17.3	10.6 T	347	
21P	1999 01 16.44154	01 19 26.43	-22 17 22.3		347	55P	1998 02 09.44329	01 16 41.21	+19 31 07.8	10.7 T	347	
	29P/Schwassmann-Wachmann 1						55P	1998 02 18.45399	01 14 40.16	+13 25 40.8	11.0 T	347
29P	2000 05 29.65556	17 02 02.01	-32 14 04.9	15.7 T	360	55P	1998 02 18.45713	01 14 40.09	+13 25 34.8	10.9 T	347	
29P	2000 05 29.65972	17 02 01.88	-32 14 04.7	16.7 N	360	55P	1998 02 18.45999	01 14 40.09	+13 25 30.1	11.3 T	347	
29P	2000 06 06.66493	16 57 48.29	-32 06 21.2	16.0 T	360		71P/Clark					
29P	2000 06 06.67014	16 57 48.12	-32 06 20.8	16.8 N	360	71P	2000 05 29.50052	10 41 18.56	+17 45 34.4	17.7 T	360	
29P	2000 07 08.50613	16 42 50.57	-31 14 25.3		349	71P	2000 05 29.50434	10 41 18.72	+17 45 32.0		360	
29P	2000 07 08.50969	16 42 50.49	-31 14 23.9		349		103P/Hartley 2					
29P	2000 07 08.51302	16 42 50.56	-31 14 24.4	16.4 T	349	103P	1997 11 01.44854	19 38 39.90	-07 55 56.9		347	
29P	2000 07 21.50938	16 39 03.50	-30 48 45.6	15.1 T	360	103P	1997 11 01.46631	19 38 42.40	-07 56 02.3	12.8 T	347	
29P	2000 07 21.51458	16 39 03.44	-30 48 45.0	16.7 N	360	103P	1997 11 09.41152	19 59 24.83	-08 35 54.2	13.2 T	347	
29P	2000 07 21.52014	16 39 03.34	-30 48 44.2		360	103P	1997 11 09.41390	19 59 25.31	-08 35 55.9		347	
	44P/Reinmuth 2						103P	1997 11 09.41605	19 59 25.60	-08 35 56.5		347
44P	2000 05 29.64028	16 40 19.39	-29 58 54.7	17.1 T	360	103P	1997 11 23.44299	20 43 03.12	-09 20 56.5		347	
44P	2000 05 29.64479	16 40 19.15	-29 58 54.5		360	103P	1997 11 23.44584	20 43 03.71	-09 20 57.8		347	
44P	2000 06 07.29379	16 31 52.84	-29 31 24.7	18.1 T	704	103P	1997 11 23.44890	20 43 04.36	-09 20 57.6		347	
44P	2000 06 07.32131	16 31 51.20	-29 31 18.4	18.3 T	704	103P	1997 12 13.40758	22 01 09.59	-09 13 08.9	11.6 T	347	
44P	2000 06 07.33452	16 31 50.45	-29 31 15.5	18.1 T	704	103P	1997 12 13.41078	22 01 10.43	-09 13 08.4	11.5 T	347	
44P	2000 07 08.48435	16 07 46.98	-27 08 45.2	16.5 T	349	103P	1997 12 13.41480	22 01 11.45	-09 13 07.7	11.7 T	347	
44P	2000 07 08.48690	16 07 46.73	-27 08 45.5		349	103P	1997 12 21.39682	22 37 28.87	-08 40 24.6	10.7 T	347	
44P	2000 07 21.49896	16 04 45.94	-26 11 57.7	16.5 T	360	103P	1997 12 21.39998	22 37 29.74	-08 40 23.7	10.8 T	347	
44P	2000 07 21.50313	16 04 45.94	-26 11 57.1		360	103P	1997 12 21.40243	22 37 30.44	-08 40 22.9	10.7 T	347	
	47P/Ashbrook-Jackson						103P	1998 01 10.39755	00 17 51.01	-05 51 35.6	10.8 T	347
47P	2000 06 04.74766	20 50 14.30	-34 58 18.1	15.6 T	300	103P	1998 01 10.40184	00 17 52.28	-05 51 32.6	10.8 T	347	
47P	2000 06 04.75455	20 50 14.41	-34 58 19.6		300	103P	1998 01 10.40882	00 17 54.45	-05 51 27.7		347	
47P	2000 07 03.72802	20 45 27.62	-36 50 51.2	14.9 T	349	103P	1998 01 19.45627	01 05 10.89	-03 58 23.5	11.1 T	347	
47P	2000 07 03.72917	20 45 27.52	-36 50 50.9		349	103P	1998 01 19.45943	01 05 11.90	-03 58 20.7	11.0 T	347	
47P	2000 07 03.73003	20 45 27.13	-36 50 52.8		349	103P	1998 01 19.46620	01 05 13.99	-03 58 15.2	11.0 T	347	
47P	2000 07 05.67824	20 44 17.33	-36 57 52.3	15.5 T	402	103P	1998 01 25.47612	01 36 15.14	-02 35 00.8	11.6 T	347	
47P	2000 07 05.67951	20 44 17.30	-36 57 52.5		402	103P	1998 01 25.47824	01 36 15.80	-02 34 58.4	11.6 T	347	
47P	2000 07 05.68078	20 44 17.32	-36 57 53.1		402	103P	1998 01 25.48094	01 36 16.64	-02 34 56.0	11.5 T	347	
47P	2000 07 08.70821	20 42 17.33	-37 08 03.3	14.0 T	900	103P	1998 01 25.48316	01 36 17.34	-02 34 54.6	11.7 T	347	
47P	2000 07 08.72104	20 42 16.74	-37 08 05.7		900	103P	1998 01 31.44764	02 06 19.50	-01 09 12.9		347	
47P	2000 07 10.48314	20 41 01.39	-37 13 28.0	14.5 N	467	103P	1998 01 31.45081	02 06 20.46	-01 09 10.0		347	
47P	2000 07 10.48978	20 41 01.10	-37 13 29.5	14.5 N	467	103P	1998 01 31.45358	02 06 21.22	-01 09 07.0		347	
47P	2000 07 10.49719	20 41 00.76	-37 13 30.8	14.4 N	467	103P	1998 02 09.45036	02 49 35.09	+00 59 28.5	11.6 T	347	
	55P/Tempel-Tuttle						103P	1998 02 09.45505	02 49 36.35	+00 59 33.1	11.5 T	347
55P	1998 01 19.57742	02 37 09.51	+73 09 07.8		347	103P	1998 02 09.46047	02 49 37.87	+00 59 37.3	11.8 T	347	
55P	1998 01 19.57943	02 37 05.24	+73 08 30.2		347	103P	1998 02 18.48550	03 29 55.68	+03 00 15.6	11.6 T	347	
55P	1998 01 19.58486	02 36 54.41	+73 06 46.3		347	103P	1998 02 18.48803	03 29 56.41	+03 00 16.6	11.6 T	347	
55P	1998 01 25.54624	01 32 49.28	+46 17 53.8	10.4 T	347	103P	1998 03 10.48010	04 47 52.35	+06 33 26.7		347	
55P	1998 01 25.54830	01 32 48.86	+46 17 28.9	10.5 T	347	103P	1998 03 10.48465	04 47 53.37	+06 33 27.8		347	
55P	1998 01 25.55061	01 32 48.41	+46 17 00.4	10.3 T	347	103P	1998 03 10.48943	04 47 54.44	+06 33 30.4		347	
55P	1998 01 25.55270	01 32 47.97	+46 16 34.6	10.4 T	347		104P/Kowal 2					
55P	1998 01 25.55461	01 32 47.64	+46 16 10.4	10.2 T	347	104P	1997 11 18.49340	22 19 55.43	+08 25 04.9		347	
55P	1998 01 31.47416	01 21 51.95	+31 06 53.7		347	104P	1997 11 18.50284	22 19 56.05	+08 25 01.8	14.4 T	347	
55P	1998 01 31.47685	01 21 51.78	+31 06 34.9		347	104P	1997 11 30.48818	22 36 04.39	+07 17 07.7	13.4 T	347	
55P	1998 01 31.48485	01 21 51.29	+31 05 40.5	10.7 T	347	104P	1997 11 30.49370	22 36 04.93	+07 17 07.3	13.4 T	347	
55P	1998 01 31.48780	01 21 51.14	+31 05 21.4	10.8 T	347	104P	1997 12 21.41542	23 14 49.58	+06 38 13.8	13.7 T	347	
55P	1998 02 09.43747	01 16 41.31	+19 31 25.7	10.7 T	347	104P	1997 12 21.41956	23 14 50.06	+06 38 14.0	13.2 T	347	

104P	1997 12 21.43458	23 14 51.99	+06 38 15.2	13.5 T	347
104P	1998 01 25.45287	00 43 12.86	+08 37 24.7	13.5 T	347
104P	1998 01 25.45681	00 43 13.55	+08 37 25.5	13.6 T	347
114P/Wiseman-Skiff					
114P	2000 01 04.60205	02 59 27.57	+24 38 43.7	13.2 T	347
114P	2000 01 04.60971	02 59 28.37	+24 38 34.3		347
114P	2000 02 01.54850	03 55 11.48	+17 19 52.5	14.0 T	347
114P	2000 02 01.55020	03 55 11.69	+17 19 49.8	14.5 T	347
141P/Machholz 2					
141P-A	1999 12 11.37383	20 34 46.68	-11 36 11.9	12.5 T	347
141P-A	1999 12 11.37879	20 34 48.02	-11 36 08.8	12.5 T	347
141P-A	1999 12 11.38323	20 34 49.34	-11 36 14.0	12.7 T	347
141P-A	1999 12 11.38709	20 34 50.48	-11 36 14.8	12.6 T	347
141P-A	1999 12 19.36252	21 15 51.54	-12 12 03.0		347
141P-A	1999 12 19.36983	21 15 54.03	-12 12 03.2		347
141P-A	1999 12 23.35690	21 39 58.71	-12 40 49.7	11.4 T	347
141P-A	1999 12 23.36095	21 40 00.26	-12 40 51.4		347
141P-A	1999 12 23.36458	21 40 01.72	-12 40 53.1		347
141P-A	1999 12 23.36730	21 40 02.67	-12 40 55.2		347
141P-A	1999 12 26.36368	22 00 16.67	-13 06 34.3		347
141P-A	1999 12 26.36690	22 00 18.04	-13 06 35.8		347
141P-A	1999 12 26.37245	22 00 20.37	-13 06 40.1	12.0 T	347
141P-A	1999 12 26.37800	22 00 22.81	-13 06 41.9		347
141P-A	2000 01 04.37060	23 15 31.99	-14 26 12.1		347
141P-A	2000 01 04.37582	23 15 34.94	-14 26 13.7	12.1 T	347
141P-A	2000 01 04.37860	23 15 36.46	-14 26 14.2		347
141P-A	2000 01 04.38141	23 15 38.28	-14 26 17.0		347
141P-A	2000 01 10.39601	00 19 12.10	-14 46 01.2		347
141P-A	2000 01 10.39832	00 19 13.53	-14 46 03.1		347
141P-A	2000 01 10.40013	00 19 14.75	-14 46 02.5		347
143P/Kowal-Mrkos					
143P	2000 06 06.49358	11 38 13.51	-01 59 43.3	19.0 N	360
143P	2000 06 06.49774	11 38 13.72	-01 59 44.5		360

Note 1: prediscovery observation.

OBSERVATIONS OF NATURAL SATELLITES

Observations are published here for the following observatory codes:

106	Črni vrh. 0. 36-m $f/6.7$ Schmidt-Cassegrain + CCD. Observer H. Mikuž.
119	Abastumani. 0.7-m meniscus telescope. Observers R. I. Kiladze and R. Y. Inasaridze.
120	Višnjan. 0.41-m $f/4.3$ reflector + CCD. Observers K. Korlević and M. Jurić.
133	Les Tardieux. 0.20-m $f/3.5$ reflector + CCD. Observer M. Boeuf.
413	Siding Spring. 1.2-m Schmidt and 4-m reflector + CCD. Observers M. J. Irwin, A. Żytkow, R. M. Smith, J. B. Jones and D. Windridge. Measured by A. Żytkow and B. Gladman.
568	Mauna Kea. 2.2-m University of Hawaii reflector + CCD and 3.6-m Canada-France-Hawaii Telescope + CCD. Observers D. P. Cruikshank, D. J. Tholen, C. Herrick, R. J. Whiteley, S. Lilly, M.-C. Hainaut, O. Le Fevre, M. Dussert, J. J. Kavelaars, B. Gladman, J.-M. Petit and H. Scholl.

673	Table Mountain Observatory. 0.61-m $f/16$ reflector + CCD. Observer W. M. Owen Jr.
675	Palomar. 5-m Hale reflector + CCD. Observers P. D. Nicholson, J. A. Burns and J. J. Kavelaars. Measured by B. Gladman.
689	U.S. Naval Observatory, Flagstaff Station. Flagstaff Astrometric Scanning Transit Telescope + CCD. Observers R. C. Stone and F. H. Harris.
691	Spacewatch. 0.91-m Spacewatch telescope. Observers J. A. Larsen, J. V. Scotti, T. Gehrels, R. S. McMillan, J. L. Montani and A. E. Gleason.
695	Kitt Peak. 3.8-m Mayall telescope + CCD. Observers D. Davis, B. Gladman, C. Neese, M. Holman and J. J. Kavelaars.
696	Mount Hopkins. 1.2-m reflector + CCD. Observers C. W. Hergenrother and M. Holman.
699	Lowell Observatory-LONEOS. 0.59-m LONEOS Schmidt + CCD. Observers B. A. Skiff, B. W. Koehn, W. D. Ferris and M. E. Van Ness. Measured by B. W. Koehn.
703	Catalina Sky Survey. 0.41-m $f/3$ Schmidt + CCD. Observers C. W. Hergenrother, T. B. Spahr and S. M. Larson.
704	Lincoln Laboratory Experimental Test System, New Mexico. 1.0-m $f/2.15$ reflector + CCD. Observers M. Blythe, F. Shelly, M. Bezpalko, M. Elowitz, R. Huber and L. Manguso. Measured by J. Stuart, R. Sayer, J. B. Evans and H. Vigggh.
709	W & B Observatory, Cloudcroft. 0.60-m $f/7$ Ritchey-Chrétien + CCD. Observer W. B. Offutt.
757	High Point. 0.25-m Schmidt-Cassegrain + CCD. Observer D. K. Chesney.
807	Cerro Tololo. 4-m reflector + CCD. Observers P. Hall and D. Graham. Measured by J. J. Kavelaars.
809	European Southern Observatory. 1-m Schmidt. Observer C.-I. Lagerkvist.
829	Complejo Astronómico El Leoncito. 2.15-m $f/2.8$ reflector + CCD. Observers S. A. Cellone and A. Silva. Measured by S. A. Cellone and R. B. Orellana.
910	Caussols-ODAS. 0.90-m Schmidt + CCD. Observers A. Maury, D. Albanese, G. Hahn and M. Hoffmann. Measured by A. Maury and G. Hahn.
950	La Palma. 2.5-m Isaac Newton telescope + CCD and 2.5-m Nordic Optical Telescope + CCD. Observers A. Fitzsimmons, M. E. Fletcher, M. J. Irwin, P. Sorenson, M. Asif, M. J. Holman, T. Grav, N. Haug and K. B. Klepper. Measured by A. Fitzsimmons and B. Gladman.

Object	Date	UT	α_{2000}	δ_{2000}	Mag.	N Obs.
S/1999 J 1	1999 10 06.36219		02 05 27.71	+12 28 47.8	19.9 V	691
S/1999 J 1	1999 10 06.38353		02 05 27.22	+12 28 44.8	20.2 V	691
S/1999 J 1	1999 10 06.40498		02 05 26.69	+12 28 41.9	20.5 V	691
S/1999 J 1	1999 10 12.36523		02 02 57.27	+12 14 55.4	20.2 V	H 691
S/1999 J 1	1999 10 12.40965		02 02 56.06	+12 14 49.6	20.7 V	H 691
S/1999 J 1	1999 10 19.33318		01 59 49.99	+11 57 15.0	20.5 V	691
S/1999 J 1	1999 10 19.35644		01 59 49.33	+11 57 11.3	20.7 V	691
S/1999 J 1	1999 10 19.37792		01 59 48.71	+11 57 07.9	20.6 V	691
S/1999 J 1	1999 10 30.33261		01 54 44.66	+11 27 38.6	21.2 V	691
S/1999 J 1	1999 10 30.35371		01 54 44.08	+11 27 34.9	21.0 V	691
S/1999 J 1	1999 10 30.37484		01 54 43.55	+11 27 31.5	20.7 V	691
S/1999 J 1	1999 11 04.36652		01 52 28.07	+11 14 03.0	20.8 V	691
S/1999 J 1	1999 11 04.38952		01 52 27.39	+11 13 59.1	21.1 V	691
S/1999 J 1	1999 11 04.41569		01 52 26.69	+11 13 54.9	20.7 V	691
Jupiter VI	1992 02 25.43303		10 51 48.58	+08 28 45.6	15.7 V	691
Jupiter VI	1992 02 25.43303		10 51 48.50	+08 28 45.6	15.7 V	691

Jupiter VI	1992 02 25.47082	10 51 47.29	+08 28 52.2	691	Jupiter VI	1998 12 10.063875	23 19 27.330	-05 51 23.03	689
Jupiter VI	1992 02 25.47082	10 51 47.21	+08 28 52.2	691	Jupiter VI	1998 12 11.060920	23 19 48.496	-05 49 29.48	689
Jupiter VI	1992 02 25.49143	10 51 46.57	+08 28 55.7	691	Jupiter VI	1998 12 12.058911	23 20 10.400	-05 47 31.07	689
Jupiter VI	1992 02 25.49143	10 51 46.49	+08 28 55.7	691	Jupiter VI	1998 12 13.056347	23 20 33.047	-05 45 27.16	689
Jupiter VI	1994 06 03.87693	14 14 47.76	-12 08 13.3	16.0 119	Jupiter VI	1998 12 14.053508	23 20 56.439	-05 43 18.76	689
Jupiter VI	1997 12 11.068785	21 24 35.707	-15 49 34.84	673	Jupiter VI	1998 12 15.051245	23 21 20.521	-05 41 05.36	689
Jupiter VI	1998 07 28.459236	23 57 39.832	-01 34 41.97	689	Jupiter VI	1998 12 16.048990	23 21 45.289	-05 38 46.81	689
Jupiter VI	1998 07 31.450549	23 57 14.152	-01 35 55.87	689	Jupiter VI	1998 12 17.046270	23 22 10.834	-05 36 23.92	689
Jupiter VI	1998 08 02.444631	23 56 52.754	-01 37 13.85	689	Jupiter VI	1998 12 18.044693	23 22 37.069	-05 33 55.16	689
Jupiter VI	1998 08 05.436419	23 56 14.364	-01 39 54.42	689	Jupiter VI	1999 08 16.499788	02 09 59.870	+11 33 16.55	689
Jupiter VI	1998 08 06.432677	23 55 59.937	-01 40 59.42	689	Jupiter VI	1999 08 18.493637	02 10 06.830	+11 32 00.89	689
Jupiter VI	1998 08 07.430006	23 55 44.653	-01 42 10.23	689	Jupiter VI	1999 08 21.486084	02 10 11.998	+11 29 39.74	689
Jupiter VI	1998 08 16.403734	23 52 51.900	-01 56 59.75	689	Jupiter VI	1999 08 25.475226	02 10 08.997	+11 25 40.78	689
Jupiter VI	1998 08 17.400738	23 52 28.955	-01 59 05.80	689	Jupiter VI	1999 09 04.446603	02 09 13.018	+11 11 50.81	689
Jupiter VI	1998 08 20.392234	23 51 15.967	-02 05 54.37	689	Jupiter VI	1999 09 05.443862	02 09 03.672	+11 10 10.95	689
Jupiter VI	1998 08 30.361137	23 46 32.970	-02 33 37.73	689	Jupiter VI	1999 09 06.440825	02 08 53.725	+11 08 28.72	689
Jupiter VI	1998 09 19.298610	23 35 15.903	-03 44 39.79	689	Jupiter VI	1999 09 07.438356	02 08 43.099	+11 06 42.99	689
Jupiter VI	1998 09 20.295263	23 34 40.845	-03 48 27.87	689	Jupiter VI	1999 09 13.420992	02 07 26.233	+10 55 18.81	689
Jupiter VI	1998 09 25.279819	23 31 47.373	-04 07 25.77	689	Jupiter VI	1999 09 18.406130	02 06 06.218	+10 44 49.94	689
Jupiter VI	1998 10 10.233315	23 23 52.893	-05 00 48.52	689	Jupiter VI	1999 09 21.397794	02 05 11.943	+10 38 13.91	689
Jupiter VI	1998 10 11.230451	23 23 24.992	-05 04 01.93	689	Jupiter VI	1999 09 25.386442	02 03 53.067	+10 29 09.25	689
Jupiter VI	1998 10 12.226933	23 22 57.711	-05 07 11.67	689	Jupiter VI	1999 09 26.383376	02 03 32.290	+10 26 51.10	689
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Jupiter VI	1998 10 16.215579	23 21 14.727	-05 19 15.60	689	Jupiter VI	1999 10 01.368557	02 01 42.735	+10 15 13.51	689
Jupiter VI	1998 10 17.212759	23 20 50.627	-05 22 06.82	689	Jupiter VI	1999 10 06.352591	01 59 45.277	+10 03 36.19	689
Jupiter VI	1998 10 19.205821	23 20 04.570	-05 27 37.41	689	Jupiter VI	1999 10 08.346568	01 58 56.566	+09 59 01.84	689
Jupiter VI	1998 10 24.191461	23 18 22.288	-05 40 06.33	689	Jupiter VI	1999 10 10.97579	01 57 51.23	+09 53 05.1	14.1 106
Jupiter VI	1998 10 25.188142	23 18 04.161	-05 42 22.14	689	Jupiter VI	1999 10 10.99198	01 57 50.78	+09 53 03.0	14.2 106
Jupiter VI	1998 10 28.179757	23 17 14.579	-05 48 41.02	689	Jupiter VI	1999 10 11.00830	01 57 50.37	+09 53 01.0	14.1 106
Jupiter VI	1998 10 29.176382	23 16 59.719	-05 50 37.09	689	Jupiter VI	1999 10 11.337613	01 57 42.123	+09 52 16.37	689
Jupiter VI	1998 10 30.173773	23 16 45.663	-05 52 28.41	689	Jupiter VI	1999 10 11.86900	01 57 28.83	+09 51 06.0	13.0 106
Jupiter VI	1998 11 02.165436	23 16 08.576	-05 57 31.20	689	Jupiter VI	1999 10 11.89380	01 57 28.18	+09 51 02.6	12.8 106
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Jupiter VI	1998 11 05.156337	23 15 39.147	-06 01 47.06	689	Jupiter VI	1999 10 13.331956	01 56 51.794	+09 47 52.30	689
Jupiter VI	1998 11 06.153514	23 15 31.065	-06 03 01.79	689	Jupiter VI	1999 10 14.328551	01 56 26.502	+09 45 42.51	689
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Jupiter VI	1998 11 13.134500	23 14 58.769	-06 09 13.25	689	Jupiter VI	1999 10 16.322887	01 55 35.683	+09 41 28.01	689
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Jupiter VI	1998 11 21.112836	23 15 14.376	-06 10 48.74	689	Jupiter VI	1999 10 19.23870	01 54 21.22	+09 35 29.4	16.2 704
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Jupiter VI	1998 11 24.103935	23 15 34.571	-06 09 52.96	689	Jupiter VI	1999 11 03.268475	01 48 07.802	+09 10 12.00	689
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Jupiter VI	1998 11 26.099904	23 15 52.275	-06 08 48.76	689	Jupiter VI	1999 11 06.259197	01 46 58.447	+09 06 26.30	689
Jupiter VI	1998 12 02.083606	23 17 05.352	-06 03 26.82	689	Jupiter VI	1999 11 13.239101	01 44 27.163	+08 59 26.85	689
Jupiter VI	1998 12 03.081050	23 17 20.388	-06 02 14.54	689	Jupiter VI	1999 11 14.236233	01 44 06.925	+08 58 39.51	689
Jupiter VI	1998 12 04.079449	23 17 36.195	-06 00 56.55	689	Jupiter VI	1999 11 15.233082	01 43 47.097	+08 57 54.96	689
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Jupiter VI	1999 12 05.174602	01 38 44.847	+08 53 17.42	689	Jupiter VII	1998 11 14.136831	23 22 03.775	-06 12 51.13	689
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Jupiter VI	1999 12 10.160266	01 38 02.197	+08 55 02.08	689	Jupiter VII	1998 11 18.126008	23 22 22.728	-06 09 30.99	689
Jupiter VI	1999 12 12.155038	01 37 49.355	+08 56 02.83	689	Jupiter VII	1998 11 25.107744	23 23 20.886	-06 00 30.21	689
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Jupiter VI	1999 12 14.149648	01 37 38.938	+08 57 15.00	689	Jupiter VII	1998 12 12.064061	23 27 49.114	-05 22 50.23	689
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Jupiter VI	2000 01 11.074486	01 39 47.467	+09 32 31.87	689	Jupiter VII	1999 10 02.38844	02 08 33.77	+11 06 56.1	16.3 R 703
Jupiter VII	1992 02 23.38498	10 52 17.72	+09 04 23.7	18.9 V 691	Jupiter VII	1999 10 02.40079	02 08 33.47	+11 06 54.8	16.2 R 703
Jupiter VII	1992 02 23.40675	10 52 17.18	+09 04 27.2	19.0 V 691	Jupiter VII	1999 10 02.41310	02 08 33.15	+11 06 54.0	16.3 R 703
Jupiter VII	1992 02 23.43097	10 52 16.63	+09 04 31.6	19.4 V 691	Jupiter VII	1999 10 03.366816	02 08 10.252	+11 05 21.66	689
Jupiter VII	1992 03 05.36266	10 47 43.44	+09 33 47.5	17.8 V 691	Jupiter VII	1999 10 04.364111	02 07 45.691	+11 03 43.56	689
Jupiter VII	1992 03 05.38614	10 47 42.81	+09 33 51.1	17.9 V 691	Jupiter VII	1999 10 05.361091	02 07 20.566	+11 02 03.19	689
Jupiter VII	1992 03 05.40872	10 47 42.22	+09 33 54.6	17.8 V 691	Jupiter VII	1999 10 06.358064	02 06 54.926	+11 00 20.03	689
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Jupiter VII	1998 08 27.366851	23 42 38.769	-03 21 58.91	689	Jupiter VII	1999 10 10.26427	02 05 09.61	+10 53 16.6	15.9 704
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Jupiter VII	1998 10 19.209054	23 24 05.840	-06 01 28.13	689	Jupiter VII	1999 10 18.321336	02 01 11.451	+10 37 20.90	689
Jupiter VII	1998 10 29.180706	23 22 30.231	-06 12 38.01	689	Jupiter VII	1999 10 19.318248	02 00 40.465	+10 35 16.48	689

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Jupiter VII	1999 10 20.30946	02 00 09.41	+10 33 11.8	16.4	704	Jupiter VIII	1998 08 30.364991	23 52 28.533	-03 24 30.80	689	
Jupiter VII	1999 10 22.308968	01 59 06.045	+10 28 56.94		689	Jupiter VIII	1998 09 13.322625	23 46 09.225	-04 15 33.49	689	
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Jupiter VII	1999 11 03.271525	01 52 36.649	+10 02 54.94		689	Jupiter VIII	1998 09 23.291956	23 41 17.581	-04 51 51.55	689	
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Jupiter VII	1999 11 05.24908	01 51 32.28	+09 58 36.9	16.7	704	Jupiter VIII	1998 09 25.285645	23 40 19.498	-04 58 49.78	689	
Jupiter VII	1999 11 05.26536	01 51 31.73	+09 58 35.2	17.0	704	Jupiter VIII	1998 09 26.282522	23 39 50.615	-05 02 15.56	689	
Jupiter VII	1999 11 05.265743	01 51 31.740	+09 58 34.84		689	Jupiter VIII	1998 09 27.279759	23 39 21.897	-05 05 39.24	689	
Jupiter VII	1999 11 05.28158	01 51 31.20	+09 58 33.1	16.9	704	Jupiter VIII	1998 09 29.273881	23 38 25.044	-05 12 19.83	689	
Jupiter VII	1999 11 05.29782	01 51 30.66	+09 58 31.2	17.0	704	Jupiter VIII	1998 09 30.237581	23 37 57.887	-05 15 29.73	673	
Jupiter VII	1999 11 05.31401	01 51 30.11	+09 58 29.2	17.4	704	Jupiter VIII	1998 09 30.243333	23 37 57.722	-05 15 30.86	673	
Jupiter VII	1999 11 10.250003	01 48 52.134	+09 47 55.81		689	Jupiter VIII	1998 09 30.249213	23 37 57.554	-05 15 32.00	673	
Jupiter VII	1999 11 11.246608	01 48 20.856	+09 45 50.48		689	Jupiter VIII	1998 09 30.254977	23 37 57.380	-05 15 33.18	673	
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Jupiter VII	1999 11 12.24848	01 47 49.63	+09 43 45.5	17.3	704	Jupiter VIII	1998 10 10.240221	23 33 31.759	-05 45 26.91	689	
Jupiter VII	1999 11 12.26293	01 47 49.24	+09 43 44.5	16.8	704	Jupiter VIII	1998 10 12.234139	23 32 43.173	-05 50 42.19	689	
Jupiter VII	1999 11 12.27737	01 47 48.78	+09 43 43.2	16.6	704	Jupiter VIII	1998 10 14.228139	23 31 56.382	-05 55 41.09	689	
Jupiter VII	1999 11 13.240740	01 47 19.126	+09 41 44.72		689	Jupiter VIII	1998 10 16.222520	23 31 11.517	-06 00 23.10	689	
Jupiter VII	1999 11 16.231264	01 45 48.974	+09 35 45.02		689	Jupiter VIII	1998 10 17.218939	23 30 49.849	-06 02 38.22	689	
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Jupiter VII	2000 01 12.068777	01 35 34.585	+08 56 02.82		689	Jupiter VIII	1999 09 18.401110	01 57 50.538	+10 58 56.42	689	
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Jupiter VIII	1992 02 24.40632	10 54 08.90	+09 20 46.1	17.5 V	691	Jupiter VIII	1999 10 01.361736	01 52 56.908	+10 37 30.28	689	
Jupiter VIII	1992 02 24.42712	10 54 08.21	+09 20 50.7	17.5 V	691	Jupiter VIII	1999 10 02.32617	01 52 31.79	+10 35 38.2	17.0 R	703
Jupiter VIII	1992 02 24.44801	10 54 07.50	+09 20 54.7	17.5 V	691	Jupiter VIII	1999 10 02.33857	01 52 31.45	+10 35 36.5	16.9 R	703
Jupiter VIII	1992 03 06.29402	10 48 03.75	+09 56 30.4	18.1 V	691	Jupiter VIII	1999 10 02.35087	01 52 31.13	+10 35 35.0	16.9 R	703
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Jupiter VIII	1998 07 31.452846	00 00 33.074	-02 01 13.55		689	Jupiter VIII	1999 10 04.33018	01 51 38.33	+10 31 37.0	16.9	704
Jupiter VIII	1998 08 02.447351	00 00 19.726	-02 04 58.11		689	Jupiter VIII	1999 10 04.34359	01 51 37.95	+10 31 34.6	17.7	704
Jupiter VIII	1998 08 05.438865	23 59 54.142	-02 11 08.24		689	Jupiter VIII	1999 10 04.353245	01 51 37.744	+10 31 33.94		689
Jupiter VIII	1998 08 16.406645	23 57 25.786	-02 39 08.23		689	Jupiter VIII	1999 10 04.35697	01 51 37.52	+10 31 33.7	17.0	704
Jupiter VIII	1998 08 17.404009	23 57 08.287	-02 42 03.71		689	Jupiter VIII	1999 10 05.349588	01 51 10.632	+10 29 30.41		689
Jupiter VIII	1998 08 19.398183	23 56 31.404	-02 48 04.51		689	Jupiter VIII	1999 10 06.346847	01 50 43.111	+10 27 25.19		689
Jupiter VIII	1998 08 20.395289	23 56 12.040	-02 51 09.37		689	Jupiter VIII	1999 10 06.94958	01 50 26.34	+10 26 08.8	17.6	120
Jupiter VIII	1998 08 23.40748	23 55 09.92	-03 00 48.8	17.5	704	Jupiter VIII	1999 10 06.96918	01 50 25.78	+10 26 06.4		120
Jupiter VIII	1998 08 23.41999	23 55 09.58	-03 00 49.5	17.5	704	Jupiter VIII	1999 10 07.36232	01 50 14.71	+10 25 16.7	16.6	704
Jupiter VIII	1998 08 23.43303	23 55 09.35	-03 00 54.6	17.5	704	Jupiter VIII	1999 10 07.37301	01 50 14.40	+10 25 15.8	16.9	704
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Jupiter VIII	1998 08 23.45802	23 55 08.57	-03 00 59.9	17.5	704	Jupiter VIII	1999 10 07.39442	01 50 13.78	+10 25 13.1	16.8	704
Jupiter VIII	1998 08 26.31588	23 54 05.56	-03 10 29.6	16.5 R	699	Jupiter VIII	1999 10 07.40516	01 50 13.43	+10 25 11.2	16.6	704
Jupiter VIII	1998 08 26.34069	23 54 04.81	-03 10 34.9		699	Jupiter VIII	1999 10 07.86875	01 50 00.59	+10 24 11.4	17.4	120
Jupiter VIII	1998 08 26.36552	23 54 04.22	-03 10 39.6		699	Jupiter VIII	1999 10 07.88816	01 50 00.04	+10 24 08.8		120

Jupiter VIII	1999 10 08.340741	01 49 47.161	+10 23 10.63		689	Jupiter VIII	1999 11 11.236909	01 33 33.072	+09 08 08.42		689
Jupiter VIII	1999 10 08.89569	01 49 31.39	+10 21 58.1	17.6	120	Jupiter VIII	1999 11 12.233774	01 33 08.652	+09 06 16.57		689
Jupiter VIII	1999 10 08.91796	01 49 30.77	+10 21 55.3		120	Jupiter VIII	1999 11 13.230951	01 32 44.724	+09 04 28.89		689
Jupiter VIII	1999 10 09.28822	01 49 20.18	+10 21 07.8	16.5 R	703	Jupiter VIII	1999 11 15.224347	01 31 58.528	+09 01 02.00		689
Jupiter VIII	1999 10 09.30021	01 49 19.82	+10 21 05.9	16.6 R	703	Jupiter VIII	1999 11 16.221604	01 31 36.208	+08 59 23.29		689
Jupiter VIII	1999 10 09.31218	01 49 19.46	+10 21 04.5	16.9 R	703	Jupiter VIII	1999 11 17.218866	01 31 14.467	+08 57 46.90		689
Jupiter VIII	1999 10 09.32410	01 49 19.11	+10 21 03.1	16.6 R	703	Jupiter VIII	1999 11 30.180656	01 27 29.947	+08 42 16.08		689
Jupiter VIII	1999 10 10.26201	01 48 52.23	+10 18 59.1	17.2	704	Jupiter VIII	1999 12 02.13716	01 27 06.29	+08 40 52.4	16.6 R	699
Jupiter VIII	1999 10 10.27774	01 48 51.70	+10 18 56.5	17.7	704	Jupiter VIII	1999 12 02.16772	01 27 05.93	+08 40 51.2		699
Jupiter VIII	1999 10 10.29349	01 48 51.25	+10 18 55.0	18.1	704	Jupiter VIII	1999 12 02.174918	01 27 05.868	+08 40 51.16		689
Jupiter VIII	1999 10 10.30924	01 48 50.78	+10 18 52.3	17.9	704	Jupiter VIII	1999 12 02.19828	01 27 05.57	+08 40 50.1		699
Jupiter VIII	1999 10 10.32500	01 48 50.24	+10 18 50.1	17.9	704	Jupiter VIII	1999 12 03.172303	01 26 54.940	+08 40 14.45		689
Jupiter VIII	1999 10 11.331557	01 48 21.169	+10 16 36.64		689	Jupiter VIII	1999 12 04.169456	01 26 44.806	+08 39 42.58		689
Jupiter VIII	1999 10 12.328491	01 47 52.029	+10 14 22.67		689	Jupiter VIII	1999 12 05.166617	01 26 35.386	+08 39 14.37		689
Jupiter VIII	1999 10 13.325422	01 47 22.687	+10 12 06.92		689	Jupiter VIII	1999 12 31.095744	01 27 12.296	+08 53 00.17		689
Jupiter VIII	1999 10 14.322659	01 46 53.206	+10 09 51.39		689	Jupiter VIII	2000 01 04.07030	01 28 05.56	+08 59 27.3	17.4	704
Jupiter VIII	1999 10 15.319157	01 46 23.594	+10 07 33.93		689	Jupiter VIII	2000 01 04.08529	01 28 05.82	+08 59 28.3	18.7	704
Jupiter VIII	1999 10 15.41214	01 46 20.78	+10 07 21.5	16.6	704	Jupiter VIII	2000 01 04.10040	01 28 06.05	+08 59 30.5	18.9	704
Jupiter VIII	1999 10 15.42761	01 46 20.26	+10 07 19.3	17.2	704	Jupiter VIII	2000 01 04.13039	01 28 06.53	+08 59 34.1	17.7	704
Jupiter VIII	1999 10 15.44293	01 46 19.81	+10 07 17.2	17.3	704	Jupiter VIII	2000 01 07.077868	01 28 54.163	+09 05 04.85		689
Jupiter VIII	1999 10 15.45829	01 46 19.34	+10 07 16.1	17.8	704	Jupiter VIII	2000 01 07.08012	01 28 54.13	+09 05 04.7	17.6	704
Jupiter VIII	1999 10 15.47362	01 46 18.79	+10 07 12.9	17.8	704	Jupiter VIII	2000 01 07.09493	01 28 54.35	+09 05 06.4	17.9	704
Jupiter VIII	1999 10 16.316206	01 45 53.835	+10 05 16.64		689	Jupiter VIII	2000 01 07.10972	01 28 54.62	+09 05 08.3	17.8	704
Jupiter VIII	1999 10 18.310361	01 44 54.062	+10 00 40.39		689	Jupiter VIII	2000 01 07.12449	01 28 54.87	+09 05 09.5	18.2	704
Jupiter VIII	1999 10 19.306978	01 44 24.087	+09 58 20.52		689	Jupiter VIII	2000 01 07.13929	01 28 55.14	+09 05 11.6	17.7	704
Jupiter VIII	1999 10 20.24521	01 43 55.91	+09 56 09.7	17.1	704	Jupiter VIII	2000 01 08.075097	01 29 11.786	+09 07 04.50		689
Jupiter VIII	1999 10 20.26100	01 43 55.40	+09 56 06.8	17.7	704	Jupiter IX	1992 02 24.39764	10 41 37.24	+09 39 10.0	18.8 V	691
Jupiter VIII	1999 10 20.27670	01 43 54.88	+09 56 06.1	17.4	704	Jupiter IX	1992 02 24.41844	10 41 36.62	+09 39 12.9	18.6 V	691
Jupiter VIII	1999 10 20.29239	01 43 54.41	+09 56 03.4	17.6	704	Jupiter IX	1992 02 24.43934	10 41 35.93	+09 39 17.5	18.6 V	691
Jupiter VIII	1999 10 20.30807	01 43 53.86	+09 56 00.7	17.6	704	Jupiter IX	1992 03 06.28576	10 36 08.43	+10 08 21.0		691
Jupiter VIII	1999 10 22.297688	01 42 54.071	+09 51 21.89		689	Jupiter IX	1992 03 06.30615	10 36 07.76	+10 08 23.9		691
Jupiter VIII	1999 10 29.276425	01 39 26.646	+09 35 18.12		689	Jupiter IX	1992 03 06.34488	10 36 06.66	+10 08 29.7	18.9 V	691
Jupiter VIII	1999 10 31.269931	01 38 28.864	+09 30 49.94		689	Jupiter IX	1997 07 01.03590	21 26 45.96	-14 57 55.7	18.9 V	910
Jupiter VIII	1999 11 02.18815	01 37 34.18	+09 26 35.8	16.6 R	703	Jupiter IX	1997 07 01.05917	21 26 45.63	-14 57 57.8	19.0 V	910
Jupiter VIII	1999 11 02.20435	01 37 33.71	+09 26 33.8	16.7 R	703	Jupiter IX	1997 07 01.08250	21 26 45.23	-14 58 00.0	18.9 V	910
Jupiter VIII	1999 11 02.22058	01 37 33.23	+09 26 31.5	16.8 R	703	Jupiter IX	1999 10 02.36573	02 09 15.22	+12 19 06.5	18.2 R	703
Jupiter VIII	1999 11 02.23687	01 37 32.76	+09 26 29.3	16.7 R	703	Jupiter IX	1999 10 02.37812	02 09 14.88	+12 19 04.7	18.0 R	703
Jupiter VIII	1999 11 03.260760	01 37 03.967	+09 24 15.97		689	Jupiter IX	1999 10 02.39046	02 09 14.63	+12 19 02.8	17.8 R	703
Jupiter VIII	1999 11 04.257954	01 36 36.289	+09 22 07.55		689	Jupiter IX	1999 10 02.40278	02 09 14.33	+12 19 01.2	17.9 R	703
Jupiter VIII	1999 11 05.24682	01 36 09.17	+09 20 02.4	17.4	704	Jupiter IX	1999 10 06.36373	02 07 41.20	+12 09 53.9	17.3 V	691
Jupiter VIII	1999 11 05.254847	01 36 08.920	+09 20 01.47		689	Jupiter IX	1999 10 06.38507	02 07 40.65	+12 09 50.7	17.3 V	691
Jupiter VIII	1999 11 05.26310	01 36 08.68	+09 20 00.1	17.4	704	Jupiter IX	1999 10 06.40652	02 07 40.11	+12 09 47.6	17.2 V	691
Jupiter VIII	1999 11 05.27933	01 36 08.24	+09 19 57.6	17.4	704	Jupiter IX	1999 10 10.26409	02 06 02.79	+12 00 17.7	18.0	704
Jupiter VIII	1999 11 05.29553	01 36 07.77	+09 19 55.9	17.9	704	Jupiter IX	1999 10 10.27984	02 06 02.34	+12 00 14.8	17.8	704
Jupiter VIII	1999 11 05.31176	01 36 07.26	+09 19 53.2	17.9	704	Jupiter IX	1999 10 10.29559	02 06 01.92	+12 00 12.9	17.8	704
Jupiter VIII	1999 11 06.251561	01 35 41.929	+09 17 57.30		689	Jupiter IX	1999 10 10.31133	02 06 01.49	+12 00 10.2	18.0	704
Jupiter VIII	1999 11 09.14663	01 34 25.90	+09 12 07.7	16.6	704	Jupiter IX	1999 10 10.32709	02 06 01.04	+12 00 08.0	18.1	704
Jupiter VIII	1999 11 09.16100	01 34 25.50	+09 12 05.5	17.9	704	Jupiter IX	1999 10 11.40088	02 05 32.92	+11 57 23.4	17.2 V	691
Jupiter VIII	1999 11 09.17539	01 34 25.09	+09 12 03.7	17.9	704	Jupiter IX	1999 10 11.42267	02 05 32.33	+11 57 20.0	17.1 V	691
Jupiter VIII	1999 11 09.18977	01 34 24.70	+09 12 03.4	18.3	704	Jupiter IX	1999 10 11.44627	02 05 31.69	+11 57 16.3	17.1 V	691
Jupiter VIII	1999 11 09.20415	01 34 24.23	+09 12 00.1	17.6	704	Jupiter IX	1999 10 15.33117	02 03 46.93	+11 47 03.8	17.8	704
Jupiter VIII	1999 11 10.12860	01 34 00.70	+09 10 13.1	16.6 R	757	Jupiter IX	1999 10 15.34892	02 03 46.50	+11 47 00.1	18.4	704
Jupiter VIII	1999 11 10.14458	01 34 00.29	+09 10 11.6	16.4 R	757	Jupiter IX	1999 10 15.36557	02 03 45.98	+11 46 58.0	17.8	704

Jupiter IX	1999 10 15.38157	02 03 45.52	+11 46 55.4	17.8	704	Jupiter XI	1998 08 26.33945	23 52 19.53	-02 29 09.9	699
Jupiter IX	1999 10 15.39764	02 03 45.04	+11 46 52.2	17.7	704	Jupiter XI	1998 08 26.36428	23 52 18.92	-02 29 12.6	699
Jupiter IX	1999 10 19.33462	02 01 55.23	+11 36 09.2	17.7 V	691	Jupiter XI	1998 09 29.89047	23 35 53.35	-04 02 12.0	17.2 120
Jupiter IX	1999 10 19.35789	02 01 54.54	+11 36 05.3	17.9 V	691	Jupiter XI	1998 09 29.91072	23 35 52.77	-04 02 15.7	17.9 120
Jupiter IX	1999 10 19.37937	02 01 53.90	+11 36 01.8	17.9 V	691	Jupiter XI	1998 09 29.92798	23 35 52.24	-04 02 18.1	17.4 120
Jupiter IX	1999 10 20.24678	02 01 29.48	+11 33 38.1	17.7	704	Jupiter XI	1998 10 08.84624	23 31 44.90	-04 24 40.5	17.2 120
Jupiter IX	1999 10 20.26256	02 01 29.00	+11 33 35.3	17.9	704	Jupiter XI	1998 10 08.85772	23 31 44.36	-04 24 41.8	120
Jupiter IX	1999 10 20.27827	02 01 28.53	+11 33 33.2	17.8	704	Jupiter XI	1998 10 08.87279	23 31 44.18	-04 24 44.4	17.8 120
Jupiter IX	1999 10 20.29395	02 01 28.10	+11 33 30.1	17.4	704	Jupiter XI	1998 10 10.84612	23 30 53.47	-04 29 15.4	18.1 120
Jupiter IX	1999 10 20.30964	02 01 27.66	+11 33 27.3	17.9	704	Jupiter XI	1998 10 10.86388	23 30 53.01	-04 29 16.9	18.0 120
Jupiter IX	1999 10 29.26190	01 57 11.76	+11 08 23.6	17.6 R	699	Jupiter XI	1998 10 11.77517	23 30 29.88	-04 31 19.3	18.3 120
Jupiter IX	1999 10 29.29247	01 57 10.86	+11 08 19.3		699	Jupiter XI	1998 10 11.78694	23 30 29.65	-04 31 20.9	18.7 120
Jupiter IX	1999 10 29.32303	01 57 09.95	+11 08 13.4		699	Jupiter XI	1998 10 11.79836	23 30 29.37	-04 31 22.0	18.4 120
Jupiter IX	1999 10 30.33396	01 56 41.17	+11 05 23.9	17.9 V	691	Jupiter XI	1999 10 02.32617	01 55 55.45	+09 47 05.0	17.3 R 703
Jupiter IX	1999 10 30.35506	01 56 40.56	+11 05 20.3	17.9 V	691	Jupiter XI	1999 10 02.33857	01 55 55.16	+09 47 03.0	17.3 R 703
Jupiter IX	1999 10 30.37618	01 56 39.94	+11 05 16.7	17.8 V	691	Jupiter XI	1999 10 02.35087	01 55 54.84	+09 47 00.8	17.2 R 703
Jupiter IX	1999 11 05.24908	01 53 56.15	+10 49 07.7	17.8	704	Jupiter XI	1999 10 02.36317	01 55 54.53	+09 46 59.1	17.2 R 703
Jupiter IX	1999 11 05.26536	01 53 55.75	+10 49 04.9	18.5	704	Jupiter XI	1999 10 04.31673	01 55 05.95	+09 41 48.5	18.1 704
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Jupiter IX	1999 11 09.20979	01 52 10.42	+10 38 39.4	17.2	704	Jupiter XI	1999 10 04.34351	01 55 05.22	+09 41 43.4	18.3 704
Jupiter IX	1999 11 09.22430	01 52 09.99	+10 38 36.9	17.6	704	Jupiter XI	1999 10 04.35689	01 55 04.84	+09 41 41.0	18.4 704
Jupiter IX	1999 11 09.24045	01 52 09.60	+10 38 34.4	17.9	704	Jupiter XI	1999 10 07.00697	01 53 56.31	+09 34 29.4	18.2 120
Jupiter IX	1999 11 09.25548	01 52 09.19	+10 38 32.0	17.3	704	Jupiter XI	1999 10 07.03106	01 53 55.67	+09 34 25.3	120
Jupiter IX	1999 11 12.21857	01 50 53.64	+10 31 01.6	17.5	704	Jupiter XI	1999 10 07.91182	01 53 32.37	+09 31 58.8	120
Jupiter IX	1999 11 12.23463	01 50 53.21	+10 30 58.7	18.4	704	Jupiter XI	1999 10 07.93481	01 53 31.72	+09 31 55.4	18.3 120
Jupiter IX	1999 11 12.24959	01 50 52.83	+10 30 56.6	17.9	704	Jupiter XI	1999 10 08.94970	01 53 04.52	+09 29 05.7	17.8 120
Jupiter IX	1999 11 12.26404	01 50 52.52	+10 30 54.1	18.4	704	Jupiter XI	1999 10 08.99838	01 53 03.19	+09 28 57.5	120
Jupiter IX	1999 11 12.27848	01 50 52.07	+10 30 51.8	18.6	704	Jupiter XI	1999 10 09.28822	01 52 55.42	+09 28 09.8	17.2 R 703
Jupiter IX	1999 11 16.14778	01 49 19.17	+10 21 34.1	18.0	704	Jupiter XI	1999 10 09.28882	01 52 55.40	+09 28 09.2	17.2 704
Jupiter IX	1999 11 16.16242	01 49 18.79	+10 21 31.9	18.4	704	Jupiter XI	1999 10 09.30021	01 52 55.07	+09 28 07.6	17.2 R 703
Jupiter IX	1999 11 16.17741	01 49 18.41	+10 21 29.8	18.2	704	Jupiter XI	1999 10 09.30211	01 52 55.03	+09 28 06.8	17.5 704
Jupiter IX	1999 11 16.19195	01 49 18.10	+10 21 27.8	18.2	704	Jupiter XI	1999 10 09.31218	01 52 54.73	+09 28 04.9	17.6 R 703
Jupiter IX	1999 11 16.20647	01 49 17.76	+10 21 25.9	18.0	704	Jupiter XI	1999 10 09.31515	01 52 54.64	+09 28 04.3	17.8 704
Jupiter IX	1999 12 02.14097	01 44 21.33	+09 51 24.1	18.0 R	699	Jupiter XI	1999 10 09.32410	01 52 54.43	+09 28 03.5	17.2 R 703
Jupiter IX	1999 12 02.17155	01 44 20.83	+09 51 20.4		699	Jupiter XI	1999 10 09.32847	01 52 54.28	+09 28 02.4	17.8 704
Jupiter IX	1999 12 02.20209	01 44 20.38	+09 51 19.5		699	Jupiter XI	1999 10 09.34194	01 52 53.87	+09 28 00.1	17.8 704
Jupiter X	1992 03 06.29006	10 42 21.40	+09 40 17.9		691	Jupiter XI	1999 10 15.26159	01 50 09.53	+09 11 07.9	17.1 704
Jupiter X	1992 03 06.31045	10 42 20.88	+09 40 22.6		691	Jupiter XI	1999 10 15.27876	01 50 09.02	+09 11 04.9	17.3 704
Jupiter X	1992 03 06.34918	10 42 19.41	+09 40 32.5	19.2 V	691	Jupiter XI	1999 10 15.29501	01 50 08.55	+09 11 02.3	17.3 704
Jupiter XI	1992 02 29.33290	10 52 27.28	+08 06 34.4	18.8 V	691	Jupiter XI	1999 10 15.31201	01 50 08.05	+09 10 59.2	18.2 704
Jupiter XI	1992 02 29.36789	10 52 26.15	+08 06 41.8	18.5 V	691	Jupiter XI	1999 10 15.32792	01 50 07.59	+09 10 56.8	17.9 704
Jupiter XI	1992 02 29.38873	10 52 25.46	+08 06 45.6	18.6 V	691	Jupiter XI	1999 10 19.19722	01 48 17.06	+08 59 46.9	17.2 704
Jupiter XI	1993 04 14.23773	12 39 59.85	-02 03 48.1	18.1 V	691	Jupiter XI	1999 10 19.21098	01 48 16.67	+08 59 44.0	17.6 704
Jupiter XI	1993 04 14.26966	12 39 59.00	-02 03 43.3	18.0 V	691	Jupiter XI	1999 10 19.22472	01 48 16.26	+08 59 41.7	17.2 704
Jupiter XI	1993 04 14.30188	12 39 58.17	-02 03 38.7	17.9 V	691	Jupiter XI	1999 10 19.23853	01 48 15.85	+08 59 39.4	17.0 704
Jupiter XI	1998 08 23.40654	23 53 26.84	-02 22 40.3	17.8	704	Jupiter XI	1999 10 19.25232	01 48 15.44	+08 59 36.5	17.4 704
Jupiter XI	1998 08 23.41892	23 53 26.54	-02 22 43.5	17.8	704	Jupiter XI	1999 11 05.24756	01 40 17.76	+08 12 49.6	17.3 704
Jupiter XI	1998 08 23.43200	23 53 26.09	-02 22 44.8	18.6	704	Jupiter XI	1999 11 05.26385	01 40 17.31	+08 12 47.1	17.1 704
Jupiter XI	1998 08 23.45708	23 53 25.19	-02 22 49.1	18.6	704	Jupiter XI	1999 11 05.28008	01 40 16.87	+08 12 44.4	17.6 704
Jupiter XI	1998 08 26.27917	23 52 21.11	-02 29 05.7	18.5	809	Jupiter XI	1999 11 05.29628	01 40 16.44	+08 12 41.8	17.4 704
Jupiter XI	1998 08 26.29236	23 52 20.82	-02 29 07.1		809	Jupiter XI	1999 11 05.31251	01 40 15.95	+08 12 39.5	17.6 704
Jupiter XI	1998 08 26.30417	23 52 20.49	-02 29 09.3		809	Jupiter XI	1999 11 12.21672	01 37 23.68	+07 56 26.8	16.4 704
Jupiter XI	1998 08 26.31462	23 52 20.13	-02 29 07.3	17.8 R	699	Jupiter XI	1999 11 12.23262	01 37 23.29	+07 56 24.6	17.2 704

Jupiter XI	1999 11 12.24774	01 37 22.94	+07 56 22.7	16.9	704	Saturn IX	1995 08 27.28646	23 37 53.10	-04 52 10.7	16.2 V	809
Jupiter XI	1999 11 12.26219	01 37 22.57	+07 56 21.1	16.7	704	Saturn IX	1995 08 28.22812	23 37 39.74	-04 53 45.3	16.8 V	809
Jupiter XI	1999 11 12.27663	01 37 22.23	+07 56 19.3	16.1	704	Saturn IX	1995 08 29.23646	23 37 25.30	-04 55 28.2	17.4 V	809
Jupiter XI	1999 11 14.21406	01 36 37.88	+07 52 14.2	16.6 R	699	Saturn IX	1995 08 30.22986	23 37 10.92	-04 57 09.1	16.9 V	809
Jupiter XI	1999 11 14.23953	01 36 37.23	+07 52 11.6		699	Saturn IX	1995 08 30.30000	23 37 09.99	-04 57 19.3	16.7 V	809
Jupiter XI	1999 11 14.26499	01 36 36.65	+07 52 06.9		699	Saturn IX	1995 08 31.22708	23 36 56.48	-04 58 54.5	16.7 V	809
Jupiter XI	1999 11 17.13091	01 35 34.80	+07 46 29.4	17.6	704	Saturn IX	1995 09 18.23611	23 32 16.75	-05 30 30.2	16.6 V	809
Jupiter XI	1999 11 17.14656	01 35 34.41	+07 46 27.0	17.6	704	Saturn IX	1995 09 19.14167	23 32 02.42	-05 32 05.2	16.1 V	809
Jupiter XI	1999 11 17.16231	01 35 34.07	+07 46 25.6	18.0	704	Saturn IX	1995 09 19.20694	23 32 01.50	-05 32 09.2	16.4 V	809
Jupiter XI	1999 11 17.17798	01 35 33.75	+07 46 24.1	17.7	704	Saturn IX	1995 09 20.18264	23 31 45.98	-05 33 51.1	17.0 V	809
Jupiter XI	1999 11 17.19370	01 35 33.34	+07 46 21.1	17.7	704	Saturn IX	1995 09 22.24861	23 31 13.26	-05 37 26.3	16.8 V	809
Jupiter XI	1999 12 02.14606	01 31 33.62	+07 26 08.9	16.6 R	699	Saturn IX	1995 09 23.16528	23 30 58.84	-05 38 59.9	16.6 V	809
Jupiter XI	1999 12 02.17666	01 31 33.20	+07 26 06.3		699	Saturn IX	1995 09 23.20556	23 30 58.37	-05 39 04.8	16.4 V	809
Jupiter XI	1999 12 02.20719	01 31 32.88	+07 26 01.9		699	Saturn IX	1995 09 24.15451	23 30 43.28	-05 40 40.9	16.9 V	809
Jupiter XII	1992 02 09.50518	11 00 07.97	+08 16 24.1	20.1 V	691	Saturn IX	1996 09 14.22986	00 20 39.70	-00 37 11.7		809
Jupiter XII	1992 02 09.52240	11 00 07.50	+08 16 26.2		691	Saturn IX	1996 10 08.21319	00 13 54.18	-01 20 55.9		809
Jupiter XII	1992 02 09.53942	11 00 07.06	+08 16 29.2		691	Saturn IX	1996 10 19.21910	00 11 03.46	-01 38 10.1		809
Jupiter XII	1992 03 05.36232	10 47 13.88	+09 25 23.2	20.4 V	691	Saturn IX	1997 10 06.10347	01 08 51.97	+04 18 14.6		809
Jupiter XII	1992 03 05.38579	10 47 13.09	+09 25 27.2	20.5 V	691	Saturn IX	1997 10 06.14514	01 08 51.03	+04 18 08.0		809
Jupiter XII	1992 03 05.40838	10 47 12.34	+09 25 30.7	20.3 V	691	Saturn IX	1997 10 07.11458	01 08 33.14	+04 16 15.6		809
Jupiter XII	1999 10 02.37610	02 13 31.83	+10 30 21.8	19.0 R	703	Saturn IX	1997 10 07.15625	01 08 32.21	+04 16 09.2		809
Jupiter XII	1999 10 02.38844	02 13 31.49	+10 30 18.8	18.6 R	703	Saturn IX	1998 08 20.488161	02 10 55.688	+10 29 01.70		689
Jupiter XII	1999 10 02.40079	02 13 31.13	+10 30 17.8	18.6 R	703	Saturn IX	1998 08 28.466128	02 10 39.147	+10 25 33.32		689
Jupiter XII	1999 10 02.41310	02 13 30.86	+10 30 15.6	18.4 R	703	Saturn IX	1998 08 29.463353	02 10 35.276	+10 24 57.29		689
Jupiter XII	1999 10 07.37512	02 11 12.78	+10 18 10.5	18.5	704	Saturn IX	1998 08 30.460573	02 10 30.969	+10 24 19.93		689
Jupiter XII	1999 10 07.38584	02 11 12.39	+10 18 08.3	18.3	704	Saturn IX	1998 09 13.421437	02 08 50.518	+10 12 18.85		689
Jupiter XII	1999 10 07.39653	02 11 12.13	+10 18 06.9	18.0	704	Saturn IX	1998 09 14.418593	02 08 40.622	+10 11 14.14		689
Jupiter XII	1999 10 07.40728	02 11 11.89	+10 18 04.7	18.4	704	Saturn IX	1998 09 15.415862	02 08 30.333	+10 10 07.93		689
Jupiter XII	1999 10 10.26444	02 09 47.45	+10 10 50.7	18.9	704	Saturn IX	1998 09 18.407053	02 07 57.489	+10 06 38.15		689
Jupiter XII	1999 10 10.28018	02 09 46.92	+10 10 48.1	18.4	704	Saturn IX	1998 09 20.401198	02 07 33.944	+10 04 11.18		689
Jupiter XII	1999 10 10.29593	02 09 46.48	+10 10 45.9	17.9	704	Saturn IX	1998 09 25.386807	02 06 29.849	+09 57 38.28		689
Jupiter XII	1999 10 10.31167	02 09 45.97	+10 10 42.9	18.5	704	Saturn IX	1998 09 28.378256	02 05 47.970	+09 53 27.51		689
Jupiter XII	1999 10 10.32743	02 09 45.51	+10 10 40.5	18.6	704	Saturn IX	1998 10 01.369678	02 05 03.860	+09 49 08.10		689
Jupiter XII	1999 11 03.23656	01 56 54.61	+09 08 03.4	18.4 R	703	Saturn IX	1998 10 05.358103	02 04 01.921	+09 43 06.57		689
Jupiter XII	1999 11 03.25291	01 56 54.06	+09 08 01.2	18.7 R	703	Saturn IX	1998 10 10.343690	02 02 40.072	+09 35 17.80		689
Jupiter XII	1999 11 03.26923	01 56 53.54	+09 07 58.1	18.6 R	703	Saturn IX	1998 10 11.340338	02 02 23.199	+09 33 42.53		689
Jupiter XII	1999 11 03.28249	01 56 53.19	+09 07 56.3	18.7 R	699	Saturn IX	1998 10 12.337656	02 02 06.198	+09 32 06.32		689
Jupiter XII	1999 11 03.28557	01 56 53.04	+09 07 55.8	18.2 R	703	Saturn IX	1998 10 13.334728	02 01 49.041	+09 30 29.24		689
Jupiter XII	1999 11 03.30031	01 56 52.54	+09 07 51.6		699	Saturn IX	1998 10 16.326178	02 00 56.862	+09 25 37.45		689
Jupiter XII	1999 11 03.31813	01 56 52.01	+09 07 50.5		699	Saturn IX	1998 10 23.305382	01 58 52.197	+09 14 09.48		689
Jupiter XII	1999 11 12.21894	01 52 16.17	+08 47 10.7	18.4	704	Saturn IX	1998 10 24.302323	01 58 34.196	+09 12 31.33		689
Jupiter XII	1999 11 12.23500	01 52 15.66	+08 47 08.9	19.0	704	Saturn IX	1998 11 08.75802	01 53 59.78	+08 48 10.4	16.1	133
Jupiter XII	1999 11 12.24996	01 52 15.18	+08 47 07.4	18.5	704	Saturn IX	1998 11 08.76515	01 53 59.61	+08 48 09.3	16.0	133
Jupiter XII	1999 11 12.26441	01 52 14.79	+08 47 04.9	18.6	704	Saturn IX	1998 11 08.77047	01 53 59.51	+08 48 09.1	16.0	133
Jupiter XII	1999 11 12.27885	01 52 14.30	+08 47 03.2	18.5	704	Saturn IX	1998 11 09.76920	01 53 42.60	+08 46 40.5	15.9	133
Jupiter XIII	1992 03 06.28962	10 41 42.70	+09 54 20.3		691	Saturn IX	1998 11 09.77810	01 53 42.40	+08 46 39.9	16.3	133
Jupiter XIII	1992 03 06.34874	10 41 40.70	+09 54 29.8	21.1 V	691	Saturn IX	1998 11 09.78931	01 53 42.16	+08 46 39.9	16.0	133
Saturn IX	1995 08 19.20035	23 39 40.80	-04 39 12.6	17.1 V	809	Saturn IX	1998 11 11.08115	01 53 20.48	+08 44 47.6	17.6	704
Saturn IX	1995 08 22.33264	23 39 00.62	-04 44 05.4	17.0 V	809	Saturn IX	1998 11 11.10305	01 53 20.11	+08 44 44.4	17.7	704
Saturn IX	1995 08 24.33646	23 38 33.92	-04 47 17.4	16.4 V	809	Saturn IX	1998 11 11.12510	01 53 19.70	+08 44 43.3	18.0	704
Saturn IX	1995 08 25.30035	23 38 20.81	-04 48 52.7		809	Saturn IX	1998 11 11.14689	01 53 19.39	+08 44 40.6	18.0	704
Saturn IX	1995 08 26.29062	23 38 07.09	-04 50 31.2	16.7 V	809	Saturn IX	1998 11 11.16860	01 53 18.91	+08 44 38.9	18.2	704
Saturn IX	1995 08 27.18785	23 37 54.55	-04 52 00.4	16.4 V	809	Saturn IX	1998 11 14.27078	01 52 27.84	+08 40 19.4	15.9 R	699

Saturn IX	1998 11 14.29065	01 52 27.53	+08 40 17.9		699	Saturn IX	2000 01 12.110748	02 35 43.571	+12 46 08.48		689
Saturn IX	1998 11 14.31052	01 52 27.17	+08 40 16.2		699	Saturn IX	2000 01 13.108029	02 35 44.644	+12 46 33.81		689
Saturn IX	1998 11 15.76243	01 52 03.96	+08 38 17.6	15.8	133	Saturn IX	2000 03 03.14229	02 45 11.77	+13 45 46.4	16.8 R	703
Saturn IX	1998 11 15.77365	01 52 03.76	+08 38 17.0	15.9	133	Saturn IX	2000 03 03.15008	02 45 11.91	+13 45 46.9	16.7 R	703
Saturn IX	1998 11 15.78943	01 52 03.54	+08 38 15.6	16.1	133	Saturn IX	2000 03 03.15785	02 45 12.10	+13 45 47.9	16.9 R	703
Saturn IX	1998 11 16.235056	01 51 56.431	+08 37 39.93		689	Saturn IX	2000 03 03.16560	02 45 12.30	+13 45 48.2	16.7 R	703
Saturn IX	1998 11 17.231962	01 51 40.788	+08 36 21.80		689	S/1999 U 1	2000 06 28.15684	21 34 12.06	-15 16 16.6	23.2 R	950
Saturn IX	1998 11 19.75522	01 51 02.20	+08 33 10.2	15.7	133	S/1999 U 1	2000 06 28.18513	21 34 11.88	-15 16 17.6	23.5 R	950
Saturn IX	1998 11 19.80231	01 51 01.44	+08 33 06.6	15.7	133	S/1999 U 1	2000 06 28.21395	21 34 11.71	-15 16 18.5	23.4 R	950
Saturn IX	1998 11 19.82737	01 51 01.07	+08 33 04.2	15.8	133	S/1999 U 1	2000 06 29.16155	21 34 06.12	-15 16 48.8		950
Saturn IX	1998 11 21.220646	01 50 40.398	+08 31 22.88		689	S/1999 U 1	2000 06 29.21126	21 34 05.80	-15 16 50.2	23.3 R	950
Saturn IX	1998 11 22.217931	01 50 25.899	+08 30 11.88		689	S/1999 U 3	2000 05 27.44653	21 32 43.50	-15 09 11.0		695
Saturn IX	1998 11 23.215036	01 50 11.656	+08 29 02.57		689	S/1999 U 3	2000 05 28.44771	21 32 42.91	-15 09 15.9	23.0 R	695
Saturn IX	1998 11 27.203002	01 49 17.412	+08 24 43.41		689	S/1999 U 3	2000 05 29.44628	21 32 42.11	-15 09 20.9		695
Saturn IX	1998 12 12.160147	01 46 38.229	+08 13 08.20		689	S/1999 U 3	2000 06 28.14743	21 30 56.41	-15 18 28.0	23.2 R	950
Saturn IX	1998 12 13.157326	01 46 30.396	+08 12 39.35		689	S/1999 U 3	2000 06 28.17575	21 30 56.23	-15 18 28.4	23.3 R	950
Saturn IX	1998 12 14.154691	01 46 22.905	+08 12 12.44		689	S/1999 U 3	2000 06 28.20430	21 30 56.07	-15 18 29.3	23.3 R	950
Saturn IX	1998 12 15.151939	01 46 15.778	+08 11 47.19		689	Uranus XVI	1997 09 06.26137	20 31 52.58	-19 33 25.7		675
Saturn IX	1998 12 24.126767	01 45 29.343	+08 09 48.27		689	Uranus XVI	1997 09 07.16504	20 31 46.13	-19 33 51.1		675
Saturn IX	1998 12 26.121297	01 45 23.359	+08 09 46.88		689	Uranus XVI	1997 09 07.23566	20 31 45.61	-19 33 53.0		675
Saturn IX	1999 01 04.096766	01 45 16.655	+08 11 39.12		689	Uranus XVI	1997 10 27.10369	20 29 34.26	-19 42 45.7		675
Saturn IX	1999 01 07.088815	01 45 21.682	+08 12 58.67		689	Uranus XVI	1997 10 27.15831	20 29 34.35	-19 42 44.5		675
Saturn IX	1999 01 08.084906	01 45 24.180	+08 13 29.09		689	Uranus XVI	1997 10 29.23429	20 29 39.68	-19 42 26.7	21.5 R	568
Saturn IX	1999 01 10.080420	01 45 30.396	+08 14 38.27		689	Uranus XVI	1997 10 29.31771	20 29 39.90	-19 42 26.0	22.1 R	568
Saturn IX	1999 01 13.072370	01 45 42.700	+08 16 38.56		689	Uranus XVI	1997 10 30.82861	20 29 44.41	-19 42 11.0	21.8 R	950
Saturn IX	1999 01 14.069940	01 45 47.620	+08 17 22.76		689	Uranus XVI	1997 10 30.88160	20 29 44.57	-19 42 10.2	21.9 R	950
Saturn IX	1999 09 04.481966	02 59 57.077	+14 24 14.20		689	Uranus XVI	1997 10 30.89323	20 29 44.60	-19 42 10.2	22.3 R	950
Saturn IX	1999 09 05.479406	02 59 55.325	+14 23 54.67		689	Uranus XVI	1997 11 26.21218	20 32 16.06	-19 33 16.3		b 568
Saturn IX	1999 09 07.473766	02 59 50.656	+14 23 10.08		689	Uranus XVI	1997 11 27.19764	20 32 24.28	-19 32 47.0		568
Saturn IX	1999 09 08.470813	02 59 47.759	+14 22 45.82		689	Uranus XVI	1997 11 27.20229	20 32 24.32	-19 32 46.9		568
Saturn IX	1999 09 13.457241	02 59 27.269	+14 20 20.17		689	Uranus XVI	1997 11 27.21159	20 32 24.39	-19 32 46.5		568
Saturn IX	1999 09 21.435265	02 58 34.756	+14 15 11.54		689	Uranus XVI	1997 11 28.20084	20 32 32.79	-19 32 16.7		568
Saturn IX	1999 10 02.403847	02 56 45.869	+14 05 50.38		689	Uranus XVI	1998 03 27.76119	20 57 07.96	-17 56 17.4		413
Saturn IX	1999 10 03.400639	02 56 34.073	+14 04 52.90		689	Uranus XVI	1998 03 27.80218	20 57 08.36	-17 56 15.9		413
Saturn IX	1999 10 04.397454	02 56 21.932	+14 03 53.31		689	Uranus XVI	1998 03 31.37595	20 57 41.04	-17 53 57.1		807
Saturn IX	1999 10 05.394895	02 56 09.509	+14 02 53.61		689	Uranus XVI	1998 03 31.38133	20 57 41.06	-17 53 57.1		807
Saturn IX	1999 10 07.389264	02 55 43.832	+14 00 50.03		689	Uranus XVI	1998 03 31.39900	20 57 41.23	-17 53 56.2		807
Saturn IX	1999 10 10.26919	02 55 04.80	+13 57 45.9	17.3	704	Uranus XVI	1998 03 31.40850	20 57 41.30	-17 53 56.0		807
Saturn IX	1999 10 10.28496	02 55 04.56	+13 57 44.3	17.9	704	Uranus XVI	1998 03 31.41314	20 57 41.33	-17 53 55.9		807
Saturn IX	1999 10 10.30070	02 55 04.33	+13 57 43.3	17.4	704	Uranus XVI	1998 05 24.16603	21 01 17.44	-17 37 41.1		950
Saturn IX	1999 10 10.31646	02 55 04.10	+13 57 42.1	18.1	704	Uranus XVI	1998 05 24.20165	21 01 17.39	-17 37 41.2		950
Saturn IX	1999 10 10.33220	02 55 03.86	+13 57 41.0	17.6	704	Uranus XVI	1998 06 02.14288	21 00 59.56	-17 38 40.9		950
Saturn IX	1999 10 12.374894	02 54 34.864	+13 55 25.99		689	Uranus XVI	1998 06 02.18522	21 00 59.46	-17 38 41.2		950
Saturn IX	1999 10 13.371604	02 54 20.318	+13 54 19.00		689	Uranus XVI	1998 08 22.44760	20 50 43.41	-18 17 54.0		568
Saturn IX	1999 10 14.368894	02 54 05.559	+13 53 11.12		689	Uranus XVI	1998 08 22.50598	20 50 42.88	-18 17 55.8		568
Saturn IX	1999 10 15.365990	02 53 50.566	+13 52 02.47		689	Uranus XVI	1998 08 27.39613	20 50 01.27	-18 20 31.1		568
Saturn IX	1999 10 16.363226	02 53 35.441	+13 50 52.61		689	Uranus XVI	1998 08 27.44978	20 50 00.81	-18 20 32.7		568
Saturn IX	1999 10 29.325067	02 50 03.107	+13 35 08.94		689	Uranus XVI	1998 11 08.09365	20 46 49.23	-18 31 18.2	21.0 R	F 709
Saturn IX	1999 11 05.305519	02 48 01.632	+13 26 28.51		689	Uranus XVI	1998 11 08.12102	20 46 49.33	-18 31 18.4	21.5 R	F 709
Saturn IX	1999 12 30.146340	02 36 08.093	+12 43 47.21		689	Uranus XVI	1998 11 08.13529	20 46 49.25	-18 31 17.9		675
Saturn IX	2000 01 04.132670	02 35 50.298	+12 44 00.56		689	Uranus XVI	1998 11 08.17951	20 46 49.58	-18 31 15.9		675
Saturn IX	2000 01 07.124412	02 35 44.633	+12 44 33.34		689	Uranus XVI	1998 11 16.07870	20 47 30.18	-18 28 35.4	21.4 R	F 709
Saturn IX	2000 01 11.112972	02 35 42.927	+12 45 45.81		689	Uranus XVI	1999 06 08.42716	21 17 27.97	-16 33 36.7	22.0 R	675

Uranus XVI	1999 06 08.43285	21 17 27.95	-16 33 36.8		675	Uranus XVII	1997 11 05.11632	20 29 40.76	-19 33 40.9	20.1 V	F 709
Uranus XVI	1999 06 08.43830	21 17 27.92	-16 33 37.1		675	Uranus XVII	1997 11 08.14362	20 29 56.25	-19 32 41.7		696
Uranus XVI	1999 07 18.53292	21 13 02.26	-16 55 54.5	22.0 R	568	Uranus XVII	1997 11 09.11789	20 30 01.66	-19 32 21.3	19.1 V	M 709
Uranus XVI	1999 07 18.56035	21 13 02.00	-16 55 55.7		568	Uranus XVII	1997 11 09.13453	20 30 01.65	-19 32 21.9	19.7 V	M 709
Uranus XVI	1999 07 18.58696	21 13 01.76	-16 55 56.8		568	Uranus XVII	1997 11 09.16743	20 30 01.85	-19 32 20.7	19.3 V	M 709
Uranus XVI	2000 05 27.43812	21 34 05.61	-15 06 05.7	22.0 R	695	Uranus XVII	1997 11 10.06999	20 30 07.05	-19 32 01.2	20.4 R	696
Uranus XVI	2000 05 27.45758	21 34 05.60	-15 06 05.9		695	Uranus XVII	1997 11 25.06988	20 31 55.63	-19 25 17.1	21.0 V	709
Uranus XVI	2000 05 27.46932	21 34 05.59	-15 06 05.8		695	Uranus XVII	1997 11 25.10218	20 31 55.87	-19 25 16.8	20.6 V	F 709
Uranus XVI	2000 05 28.43752	21 34 05.31	-15 06 09.8		695	Uranus XVII	1997 11 25.11833	20 31 55.93	-19 25 16.0	20.5 V	I 709
Uranus XVI	2000 05 28.45048	21 34 05.30	-15 06 09.9		695	Uranus XVII	1997 11 30.06494	20 32 40.82	-19 22 30.6		696
Uranus XVI	2000 05 28.46341	21 34 05.29	-15 06 10.2		695	Uranus XVII	1997 11 30.07752	20 32 40.96	-19 22 30.1		696
Uranus XVII	1997 09 06.18086	20 31 00.27	-19 30 50.9	20.5 R	675	Uranus XVII	1997 11 30.08256	20 32 40.98	-19 22 30.7	20.7 V	F 709
Uranus XVII	1997 09 06.27089	20 30 59.64	-19 30 52.8	20.4 R	675	Uranus XVII	1997 11 30.09871	20 32 41.21	-19 22 29.8	20.4 V	709
Uranus XVII	1997 09 07.17359	20 30 53.55	-19 31 12.5	20.4 R	675	Uranus XVII	1997 11 30.11487	20 32 41.33	-19 22 28.1	20.2 V	F 709
Uranus XVII	1997 09 07.24426	20 30 53.07	-19 31 14.0	20.4 R	675	Uranus XVII	1998 03 27.76622	20 57 59.68	-17 46 16.6		413
Uranus XVII	1997 10 09.08924	20 28 47.57	-19 37 33.3	19.8 V	709	Uranus XVII	1998 03 27.80661	20 58 00.08	-17 46 15.2		413
Uranus XVII	1997 10 09.10044	20 28 47.60	-19 37 33.2	20.1 V	709	Uranus XVII	1998 03 31.37695	20 58 33.94	-17 44 04.4		807
Uranus XVII	1997 10 09.11181	20 28 47.60	-19 37 33.0	20.2 V	709	Uranus XVII	1998 03 31.38133	20 58 33.97	-17 44 04.3		807
Uranus XVII	1997 10 09.12309	20 28 47.55	-19 37 34.0	20.0 V	709	Uranus XVII	1998 03 31.39900	20 58 34.13	-17 44 03.6		807
Uranus XVII	1997 10 09.13543	20 28 47.45	-19 37 32.5	20.1 V	709	Uranus XVII	1998 03 31.40850	20 58 34.23	-17 44 03.3		807
Uranus XVII	1997 10 09.16920	20 28 47.61	-19 37 32.9	20.1 V	X 709	Uranus XVII	1998 03 31.41314	20 58 34.27	-17 44 03.1	20.8 R	807
Uranus XVII	1997 10 09.19204	20 28 47.42	-19 37 33.9	19.9 V	709	Uranus XVII	1998 05 03.45487	21 02 00.70	-17 31 17.9		696
Uranus XVII	1997 10 09.21462	20 28 47.44	-19 37 33.5	20.0 V	709	Uranus XVII	1998 05 03.46650	21 02 00.73	-17 31 17.8		696
Uranus XVII	1997 10 18.08862	20 28 48.25	-19 37 14.5	20.0 V	709	Uranus XVII	1998 05 03.47571	21 02 00.77	-17 31 17.6	21.0 R	696
Uranus XVII	1997 10 18.13272	20 28 48.30	-19 37 14.8	20.2 V	709	Uranus XVII	1998 05 26.39440	21 02 19.38	-17 31 13.0	20.5 V	F 709
Uranus XVII	1997 10 19.17331	20 28 49.43	-19 37 08.4	19.9 V	709	Uranus XVII	1998 05 26.41057	21 02 19.40	-17 31 13.2	20.9 V	F 709
Uranus XVII	1997 10 20.09824	20 28 50.67	-19 37 02.8	19.7 V	709	Uranus XVII	1998 05 26.42676	21 02 19.33	-17 31 14.1	20.2 V	709
Uranus XVII	1997 10 20.14059	20 28 50.72	-19 37 02.2	19.9 V	709	Uranus XVII	1998 05 27.39756	21 02 17.81	-17 31 23.7	20.5 V	709
Uranus XVII	1997 10 22.12396	20 28 54.01	-19 36 47.3	20.1 V	709	Uranus XVII	1998 05 27.41396	21 02 17.80	-17 31 23.9	20.0 V	709
Uranus XVII	1997 10 22.14061	20 28 54.04	-19 36 47.4	19.9 V	709	Uranus XVII	1998 05 27.43053	21 02 17.77	-17 31 23.9	19.8 V	F 709
Uranus XVII	1997 10 22.17373	20 28 54.09	-19 36 46.9	19.8 V	709	Uranus XVII	1998 05 28.38197	21 02 16.12	-17 31 34.4	19.7 V	I 709
Uranus XVII	1997 10 27.08109	20 29 05.83	-19 35 57.7	19.4 V	I 709	Uranus XVII	1998 05 28.39817	21 02 16.07	-17 31 34.6	19.7 V	I 709
Uranus XVII	1997 10 27.09768	20 29 05.96	-19 35 57.3	20.0 R	675	Uranus XVII	1998 05 28.41439	21 02 16.05	-17 31 35.1	19.8 V	709
Uranus XVII	1997 10 27.12417	20 29 05.97	-19 35 57.2	19.6 V	709	Uranus XVII	1998 05 28.43058	21 02 16.02	-17 31 35.2	19.7 V	709
Uranus XVII	1997 10 27.13578	20 29 06.06	-19 35 56.8	20.0 R	675	Uranus XVII	1998 06 03.40257	21 02 01.53	-17 32 54.6	19.5 V	709
Uranus XVII	1997 10 27.15744	20 29 06.10	-19 35 56.6	19.6 V	709	Uranus XVII	1998 06 03.41900	21 02 01.49	-17 32 54.9	19.6 V	709
Uranus XVII	1997 10 27.17395	20 29 06.10	-19 35 56.7	19.6 V	F 709	Uranus XVII	1998 06 03.43547	21 02 01.43	-17 32 55.2	19.7 V	709
Uranus XVII	1997 10 28.14060	20 29 09.08	-19 35 44.2		675	Uranus XVII	1998 08 22.48009	20 51 44.15	-18 18 14.2		568
Uranus XVII	1997 10 29.08986	20 29 12.17	-19 35 32.3	19.6 V	709	Uranus XVII	1998 08 22.53206	20 51 43.67	-18 18 16.0		568
Uranus XVII	1997 10 29.12236	20 29 12.27	-19 35 32.1	19.7 V	709	Uranus XVII	1998 08 27.42312	20 51 01.24	-18 21 09.5		568
Uranus XVII	1997 10 29.15595	20 29 12.36	-19 35 31.3	19.8 V	709	Uranus XVII	1998 08 27.47576	20 51 00.78	-18 21 11.3		568
Uranus XVII	1997 10 29.17273	20 29 12.41	-19 35 30.9	19.4 V	F 709	Uranus XVII	1998 09 14.04458	20 48 49.44	-18 29 56.9	20.6 R	829
Uranus XVII	1997 10 29.22087	20 29 12.61	-19 35 30.4	20.6 R	568	Uranus XVII	1998 09 14.10787	20 48 49.03	-18 29 58.6	21.4 R	829
Uranus XVII	1997 10 30.82861	20 29 18.30	-19 35 08.3	20.6 R	950	Uranus XVII	1998 09 15.05649	20 48 43.14	-18 30 21.9	20.9 R	829
Uranus XVII	1997 10 30.88160	20 29 18.48	-19 35 07.3	20.6 R	950	Uranus XVII	1998 09 15.10387	20 48 42.77	-18 30 23.3	20.6 R	829
Uranus XVII	1997 10 30.89323	20 29 18.52	-19 35 06.8	20.7 R	950	Uranus XVII	1998 11 07.08598	20 47 34.39	-18 34 27.1	20.0 R	F 709
Uranus XVII	1997 10 31.11867	20 29 19.33	-19 35 03.8	20.5 V	F 709	Uranus XVII	1998 11 07.09240	20 47 34.33	-18 34 26.4		F 709
Uranus XVII	1997 10 31.13515	20 29 19.48	-19 35 03.3	20.3 V	F 709	Uranus XVII	1998 11 07.10718	20 47 34.40	-18 34 27.2		F 709
Uranus XVII	1997 10 31.15304	20 29 19.46	-19 35 03.0	20.3 V	F 709	Uranus XVII	1998 11 07.12584	20 47 34.50	-18 34 26.7		F 709
Uranus XVII	1997 10 31.16953	20 29 19.49	-19 35 02.1	20.2 V	F 709	Uranus XVII	1998 11 08.13529	20 47 38.68	-18 34 10.0		675
Uranus XVII	1997 10 31.18605	20 29 19.61	-19 35 02.7	19.2 V	F 709	Uranus XVII	1998 11 08.17951	20 47 38.82	-18 34 08.9		675
Uranus XVII	1997 11 05.08284	20 29 40.60	-19 33 41.2	19.9 V	709	Uranus XVII	1998 11 14.11619	20 48 07.63	-18 32 10.7	20.0 R	I 709
Uranus XVII	1997 11 05.09985	20 29 40.69	-19 33 40.8	19.8 V	709	Uranus XVII	1998 11 14.13476	20 48 07.84	-18 32 10.7	20.0 R	709

Uranus XVII	1998 11 14.15483	20 48 07.85	-18 32 11.1	19.5 R	F	709	Pluto	1995 04 13.420943	16 03 53.065	-06 35 23.82	689
Uranus XVII	1999 06 09.42931	21 18 49.75	-16 27 45.9			675	Pluto	1995 04 14.418161	16 03 48.525	-06 34 56.61	689
Uranus XVII	1999 06 09.43781	21 18 49.71	-16 27 46.1			675	Pluto	1995 04 16.412593	16 03 39.180	-06 34 02.95	689
Uranus XVII	1999 06 09.44747	21 18 49.69	-16 27 46.2			675	Pluto	1995 04 22.395866	16 03 09.109	-06 31 25.68	689
Uranus XVII	1999 06 09.46758	21 18 49.61	-16 27 46.6	20.4 R		675	Pluto	1995 05 09.348322	16 01 31.227	-06 24 49.15	689
Uranus XVII	1999 07 18.51250	21 14 39.28	-16 48 31.8	20.4 R		568	Pluto	1995 05 11.342719	16 01 18.837	-06 24 09.01	689
Uranus XVII	1999 07 18.53981	21 14 39.04	-16 48 32.9			568	Pluto	1995 05 14.334311	16 01 00.050	-06 23 11.95	689
Uranus XVII	1999 07 18.56707	21 14 38.79	-16 48 34.0			568	Pluto	1995 05 15.331508	16 00 53.729	-06 22 53.35	689
Uranus XVII	1999 07 19.50227	21 14 30.58	-16 49 12.9			568	Pluto	1995 05 19.320294	16 00 28.328	-06 21 45.23	689
Uranus XVII	1999 07 19.53627	21 14 30.27	-16 49 14.3			568	Pluto	1995 05 21.314685	16 00 15.532	-06 21 13.96	689
Uranus XVII	1999 07 19.57032	21 14 29.97	-16 49 15.7			568	Pluto	1995 05 22.311881	16 00 09.130	-06 20 58.81	689
Uranus XVII	1999 10 14.10431	21 03 41.14	-17 36 38.2			695	Pluto	1995 07 07.183285	15 55 49.389	-06 19 41.10	689
Uranus XVII	1999 10 14.13724	21 03 41.07	-17 36 38.6			695	Pluto	1995 07 08.180507	15 55 45.323	-06 19 53.74	689
Uranus XVII	1999 10 14.17006	21 03 41.00	-17 36 38.7			695	Pluto	1995 07 10.174955	15 55 37.435	-06 20 20.85	689
Uranus XVII	2000 05 27.43812	21 34 23.95	-15 16 47.4	20.4 R		695	Pluto	1995 07 11.172181	15 55 33.653	-06 20 35.48	689
Uranus XVII	2000 05 27.45758	21 34 23.94	-15 16 47.5	20.3 R		695	Pluto	1995 07 12.169407	15 55 29.956	-06 20 50.80	689
Uranus XVII	2000 05 27.46932	21 34 23.93	-15 16 47.6	20.3 R		695	Pluto	1996 03 11.516466	16 14 39.586	-07 46 19.12	689
Uranus XVII	2000 05 28.43752	21 34 23.20	-15 16 52.8	20.4 R		695	Pluto	1996 03 16.502767	16 14 35.318	-07 44 20.17	689
Uranus XVII	2000 05 28.45048	21 34 23.19	-15 16 52.8	20.4 R		695	Pluto	1996 03 22.486263	16 14 25.982	-07 41 51.44	689
Uranus XVII	2000 05 28.46341	21 34 23.18	-15 16 52.9	20.4 R		695	Pluto	1996 03 27.472497	16 14 14.685	-07 39 43.58	689
Neptune II	1990 09 09.41665	18 52 02.64	-22 02 37.3			413	Pluto	1996 03 28.469737	16 14 12.093	-07 39 17.33	689
Neptune II	1990 09 10.39937	18 52 00.88	-22 02 41.4			413	Pluto	1996 03 30.464213	16 14 06.515	-07 38 25.76	689
Neptune II	1990 09 11.39803	18 51 59.18	-22 02 45.3			413	Pluto	1996 03 31.461448	16 14 03.538	-07 38 00.02	689
							Pluto	1996 04 01.458682	16 14 00.455	-07 37 34.26	689
							Pluto	1996 04 02.455916	16 13 57.288	-07 37 08.14	689
							Pluto	1996 04 03.453148	16 13 53.976	-07 36 41.91	689
							Pluto	1996 04 05.447608	16 13 47.067	-07 35 50.02	689
							Pluto	1996 04 06.444836	16 13 43.432	-07 35 23.77	689
							Pluto	1996 04 09.436498	16 13 31.933	-07 34 06.12	689
							Pluto	1996 04 23.397542	16 12 27.014	-07 28 16.38	689
							Pluto	1996 04 24.394751	16 12 21.760	-07 27 51.95	689
							Pluto	1996 04 25.391959	16 12 16.423	-07 27 28.58	689
							Pluto	1996 04 26.389166	16 12 10.991	-07 27 05.53	689
							Pluto	1996 04 27.386373	16 12 05.563	-07 26 42.27	689
							Pluto	1996 04 28.383579	16 12 00.014	-07 26 19.55	689
							Pluto	1996 05 01.375193	16 11 43.065	-07 25 12.52	689
							Pluto	1996 05 02.372396	16 11 37.310	-07 24 50.59	689
							Pluto	1996 05 03.369598	16 11 31.475	-07 24 29.18	689
							Pluto	1996 05 04.366801	16 11 25.603	-07 24 08.27	689
							Pluto	1996 05 08.355603	16 11 01.614	-07 22 47.28	689
							Pluto	1996 05 09.352802	16 10 55.522	-07 22 27.61	689
							Pluto	1996 05 27.302341	16 09 01.433	-07 17 46.62	689
							Pluto	1996 05 28.299537	16 08 55.022	-07 17 35.51	689
							Pluto	1996 05 29.296733	16 08 48.610	-07 17 25.08	689
							Pluto	1996 06 03.282714	16 08 16.821	-07 16 38.25	689
							Pluto	1996 06 06.274304	16 07 57.970	-07 16 17.00	689
							Pluto	1996 06 07.271502	16 07 51.737	-07 16 11.15	689
							Pluto	1996 06 08.268701	16 07 45.560	-07 16 05.21	689
							Pluto	1996 06 09.265899	16 07 39.385	-07 16 00.25	689
							Pluto	1996 06 12.257498	16 07 21.138	-07 15 48.98	689
							Pluto	1996 06 13.254698	16 07 15.124	-07 15 45.96	689
							Pluto	1996 06 15.249101	16 07 03.251	-07 15 42.13	689
							Pluto	1996 06 19.262226	16 06 39.91	-07 15 41.2	13.5 V 691

OBSERVATIONS OF PLUTO

Observations are published here for the following observatory codes:

046	Kleř.	0.57-m $f/5.2$ reflector + CCD. Observers J. Ticha and M. Tichy.				
117	Sendling.	0.20-m $f/10$ reflector + CCD. Observer H. Beuchat.				
118	Modra.	0.6-m $f/5.5$ reflector + CCD. Observers A. Galad, P. Zigo and P. Koleny.				
494	Stakenbridge.	0.26-m $f/7.3$ reflector + CCD. Observer B. G. W. Manning.				
689	U.S. Naval Observatory, Flagstaff.	Flagstaff Astrometric Scanning Transit Telescope + CCD. Observers R. C. Stone and F. H. Harris.				
690	Lowell Observatory.	0.225-m Brashear astrograph. Observer T. Gill. Measured by B. A. Skiff.				
691	Spacewatch.	0.91-m Spacewatch telescope. Observers T. Gehrels, R. S. McMillan and J. V. Scotti.				
699	Lowell Observatory-LONEOS.	0.59-m LONEOS Schmidt + CCD. Observer B. W. Koehn. Measured by B. W. Koehn and E. Bowell.				
910	Caussols-ODAS.	0.9-m Schmidt + CCD. Observers A. Maury, D. Albanese, G. Hahn and M. Hoffmann. Measured by A. Maury and G. Hahn.				
	Date	UT	α_{2000}	δ_{2000}	Mag.	N Obs.
Pluto	1915 03 19.26389	06 05 35.24	+18 04 18.9			690
Pluto	1915 04 07.16736	06 05 59.75	+18 07 32.8			690
Pluto	1995 03 13.506594	16 05 21.180	-06 49 27.37			689
Pluto	1995 03 14.503852	16 05 20.157	-06 49 02.10			689
Pluto	1995 03 18.492869	16 05 14.711	-06 47 17.69			689
Pluto	1995 03 23.479108	16 05 05.072	-06 45 03.48			689
Pluto	1995 04 07.437617	16 04 18.397	-06 38 08.52			689
Pluto	1995 04 12.423726	16 03 57.534	-06 35 51.10			689

Pluto	1996 06 19.26807	16 06 39.88	-07 15 41.1	691	Pluto	1997 06 12.264757	16 16 50.060	-08 12 50.53	689
Pluto	1996 06 19.28098	16 06 39.80	-07 15 41.2	691	Pluto	1997 06 14.259156	16 16 37.897	-08 12 44.80	689
Pluto	1996 06 25.221150	16 06 07.287	-07 15 58.57	689	Pluto	1997 06 15.256356	16 16 31.858	-08 12 42.99	689
Pluto	1996 06 28.212780	16 05 51.791	-07 16 14.51	689	Pluto	1997 06 16.253572	16 16 25.849	-08 12 41.53	689
Pluto	1996 06 29.209992	16 05 46.780	-07 16 21.32	689	Pluto	1997 06 17.250773	16 16 19.910	-08 12 40.85	689
Pluto	1996 07 10.179383	16 04 57.146	-07 18 13.23	689	Pluto	1997 06 18.247975	16 16 14.016	-08 12 40.01	689
Pluto	1996 07 14.168286	16 04 41.889	-07 19 12.01	689	Pluto	1997 06 19.245177	16 16 08.168	-08 12 40.70	689
Pluto	1997 03 18.504426	16 23 50.972	-08 38 58.19	689	Pluto	1997 06 20.242380	16 16 02.378	-08 12 41.42	689
Pluto	1997 03 19.501682	16 23 49.825	-08 38 35.35	689	Pluto	1997 06 21.239582	16 15 56.621	-08 12 42.73	689
Pluto	1997 03 20.498936	16 23 48.487	-08 38 13.09	689	Pluto	1997 06 22.236787	16 15 50.948	-08 12 44.26	689
Pluto	1997 03 21.496190	16 23 47.023	-08 37 49.66	689	Pluto	1997 06 25.228403	16 15 34.279	-08 12 53.65	689
Pluto	1997 03 22.493441	16 23 45.449	-08 37 26.52	689	Pluto	1997 06 26.225610	16 15 28.827	-08 12 57.70	689
Pluto	1997 03 24.487941	16 23 41.913	-08 36 39.51	689	Pluto	1997 06 30.214428	16 15 07.781	-08 13 19.12	689
Pluto	1997 03 25.485187	16 23 39.935	-08 36 15.63	689	Pluto	1997 07 02.208840	16 14 57.710	-08 13 33.18	689
Pluto	1997 03 26.482434	16 23 37.895	-08 35 52.43	689	Pluto	1997 07 03.206052	16 14 52.779	-08 13 41.49	689
Pluto	1997 03 29.474164	16 23 30.922	-08 34 40.85	689	Pluto	1997 07 04.203266	16 14 47.956	-08 13 50.26	689
Pluto	1997 03 30.471404	16 23 28.372	-08 34 16.65	689	Pluto	1997 07 05.200480	16 14 43.178	-08 13 59.12	689
Pluto	1997 03 31.468644	16 23 25.686	-08 33 52.70	689	Pluto	1997 07 06.197697	16 14 38.516	-08 14 08.79	689
Pluto	1997 04 01.465868	16 23 22.893	-08 33 28.40	689	Pluto	1997 07 07.194913	16 14 33.935	-08 14 18.75	689
Pluto	1997 04 07.449266	16 23 03.692	-08 31 03.11	689	Pluto	1997 07 07.90311	16 14 30.69	-08 14 27.0	14.5 V 910
Pluto	1997 04 10.440948	16 22 52.609	-08 29 50.69	689	Pluto	1997 07 07.92284	16 14 30.60	-08 14 27.1	14.6 V 910
Pluto	1997 04 11.438174	16 22 48.703	-08 29 26.62	689	Pluto	1997 07 07.94292	16 14 30.51	-08 14 27.4	14.6 V 910
Pluto	1997 04 12.435397	16 22 44.702	-08 29 02.65	689	Pluto	1997 07 12.181025	16 14 12.379	-08 15 18.59	689
Pluto	1997 04 13.432619	16 22 40.591	-08 28 38.82	689	Pluto	1997 07 13.178249	16 14 08.364	-08 15 31.91	689
Pluto	1997 04 16.424293	16 22 27.716	-08 27 27.88	689	Pluto	1997 07 14.175473	16 14 04.430	-08 15 46.01	689
Pluto	1997 04 17.421510	16 22 23.207	-08 27 04.46	689	Pluto	1997 07 15.172698	16 14 00.606	-08 16 01.01	689
Pluto	1997 04 18.418728	16 22 18.638	-08 26 40.92	689	Pluto	1997 07 18.164381	16 13 49.717	-08 16 47.70	689
Pluto	1997 04 19.415943	16 22 13.982	-08 26 17.76	689	Pluto	1997 07 19.161611	16 13 46.317	-08 17 05.38	689
Pluto	1997 04 20.413159	16 22 09.219	-08 25 54.85	689	Pluto	1998 03 10.533321	16 33 09.639	-09 35 47.56	689
Pluto	1997 04 22.407586	16 21 59.456	-08 25 09.29	689	Pluto	1998 03 11.530595	16 33 09.845	-09 35 28.35	689
Pluto	1997 04 24.402008	16 21 49.375	-08 24 23.95	689	Pluto	1998 03 12.527527	16 33 09.896	-09 35 08.71	689
Pluto	1997 04 28.390846	16 21 28.325	-08 22 56.95	689	Pluto	1998 03 16.516932	16 33 08.812	-09 33 48.59	689
Pluto	1997 05 01.382450	16 21 11.778	-08 21 53.52	689	Pluto	1998 03 19.508641	16 33 06.587	-09 32 46.46	689
Pluto	1997 05 02.379654	16 21 06.144	-08 21 33.22	689	Pluto	1998 03 21.503231	16 33 04.450	-09 32 04.32	689
Pluto	1997 05 03.376858	16 21 00.435	-08 21 12.83	689	Pluto	1998 03 22.500486	16 33 03.187	-09 31 42.82	689
Pluto	1997 05 06.368466	16 20 42.994	-08 20 13.62	689	Pluto	1998 03 23.497515	16 33 01.802	-09 31 21.39	689
Pluto	1997 05 07.365668	16 20 37.074	-08 19 54.48	689	Pluto	1998 03 24.494993	16 33 00.272	-09 30 59.80	689
Pluto	1997 05 08.362868	16 20 31.101	-08 19 35.35	689	Pluto	1998 03 25.492244	16 32 58.620	-09 30 37.96	689
Pluto	1997 05 10.357270	16 20 19.032	-08 18 58.89	689	Pluto	1998 04 03.467436	16 32 38.128	-09 27 18.61	689
Pluto	1997 05 15.343262	16 19 48.131	-08 17 33.50	689	Pluto	1998 04 04.464447	16 32 35.261	-09 26 56.35	689
Pluto	1997 05 16.340473	16 19 41.861	-08 17 17.19	689	Pluto	1998 04 05.462021	16 32 32.268	-09 26 33.94	689
Pluto	1997 05 23.320850	16 18 57.334	-08 15 36.27	689	Pluto	1998 04 09.450837	16 32 19.184	-09 25 04.59	689
Pluto	1997 05 24.318029	16 18 50.912	-08 15 23.49	689	Pluto	1998 04 10.448065	16 32 15.639	-09 24 42.22	689
Pluto	1997 05 28.306810	16 18 25.162	-08 14 37.13	689	Pluto	1998 04 11.444841	16 32 11.983	-09 24 19.87	689
Pluto	1997 05 29.304005	16 18 18.730	-08 14 26.34	689	Pluto	1998 04 18.425402	16 31 43.553	-09 21 46.19	689
Pluto	1997 05 30.301200	16 18 12.289	-08 14 16.34	689	Pluto	1998 04 19.422508	16 31 39.102	-09 21 24.57	689
Pluto	1997 05 31.298396	16 18 05.861	-08 14 06.88	689	Pluto	1998 04 20.419838	16 31 34.540	-09 21 02.85	689
Pluto	1997 06 01.295591	16 17 59.440	-08 13 57.64	689	Pluto	1998 04 21.418071	16 31 29.931	-09 20 41.81	689
Pluto	1997 06 02.292787	16 17 53.035	-08 13 49.16	689	Pluto	1998 04 22.414270	16 31 25.209	-09 20 20.48	689
Pluto	1997 06 03.289983	16 17 46.628	-08 13 40.90	689	Pluto	1998 04 23.412161	16 31 20.410	-09 19 59.47	689
Pluto	1997 06 04.287178	16 17 40.250	-08 13 33.36	689	Pluto	1998 04 24.408697	16 31 15.502	-09 19 38.64	689
Pluto	1997 06 05.284375	16 17 33.895	-08 13 26.36	689	Pluto	1998 04 25.406361	16 31 10.510	-09 19 17.78	689
Pluto	1997 06 09.273163	16 17 08.664	-08 13 02.65	689	Pluto	1998 04 30.392296	16 30 44.462	-09 17 37.41	689

Pluto	1998 05 02.386936	16 30 33.527	-09 16 58.56	689	Pluto	1999 01 24.17174	16 39 38.46	-10 35 46.7	13.7 R	046
Pluto	1998 05 03.383606	16 30 27.966	-09 16 39.60	689	Pluto	1999 01 24.17294	16 39 38.47	-10 35 46.6		046
Pluto	1998 05 04.381454	16 30 22.347	-09 16 20.73	689	Pluto	1999 01 24.17398	16 39 38.47	-10 35 46.8		046
Pluto	1998 05 05.378765	16 30 16.656	-09 16 02.40	689	Pluto	1999 01 24.17501	16 39 38.48	-10 35 46.6		046
Pluto	1998 05 08.369516	16 29 59.243	-09 15 08.61	689	Pluto	1999 01 24.17618	16 39 38.49	-10 35 46.7	13.8 R	046
Pluto	1998 05 09.367253	16 29 53.346	-09 14 51.04	689	Pluto	1999 02 16.15877	16 41 34.08	-10 33 36.4	14.8 R	118
Pluto	1998 05 10.364561	16 29 47.387	-09 14 33.90	689	Pluto	1999 03 13.532109	16 42 22.647	-10 27 24.18		689
Pluto	1998 05 17.345383	16 29 04.488	-09 12 43.36	689	Pluto	1999 03 14.529380	16 42 22.770	-10 27 06.03		689
Pluto	1998 05 18.341617	16 28 58.215	-09 12 28.93	689	Pluto	1999 03 16.523918	16 42 22.587	-10 26 29.17		689
Pluto	1998 05 20.336010	16 28 45.590	-09 12 00.99	689	Pluto	1999 03 19.515712	16 42 21.313	-10 25 32.51		689
Pluto	1998 05 22.330831	16 28 32.864	-09 11 34.85	689	Pluto	1999 03 22.507493	16 42 18.846	-10 24 34.52		689
Pluto	1998 05 23.327598	16 28 26.465	-09 11 22.27	689	Pluto	1999 03 23.504751	16 42 17.749	-10 24 14.81		689
Pluto	1998 05 25.322096	16 28 13.620	-09 10 58.24	689	Pluto	1999 03 24.502069	16 42 16.537	-10 23 55.25		689
Pluto	1998 05 27.316809	16 28 00.735	-09 10 35.95	689	Pluto	1999 04 09.458333	16 41 40.075	-10 18 29.66		689
Pluto	1998 05 31.305589	16 27 34.895	-09 09 56.37	689	Pluto	1999 04 16.438071	16 41 14.814	-10 16 07.08		689
Pluto	1998 06 02.299979	16 27 21.986	-09 09 39.22	689	Pluto	1999 04 17.435294	16 41 10.773	-10 15 46.87		689
Pluto	1998 06 03.297175	16 27 15.555	-09 09 31.57	689	Pluto	1999 04 18.432516	16 41 06.639	-10 15 26.86		689
Pluto	1998 06 04.294477	16 27 09.111	-09 09 24.01	689	Pluto	1999 04 20.426957	16 40 58.080	-10 14 47.08		689
Pluto	1998 06 07.285957	16 26 49.909	-09 09 04.46	689	Pluto	1999 04 28.404679	16 40 20.200	-10 12 13.63		689
Pluto	1998 06 11.275279	16 26 24.608	-09 08 45.17	689	Pluto	1999 05 06.382557	16 39 37.306	-10 09 51.89		689
Pluto	1998 06 12.272477	16 26 18.353	-09 08 41.58	689	Pluto	1999 05 07.379546	16 39 31.637	-10 09 35.38		689
Pluto	1998 06 15.263322	16 25 59.781	-09 08 33.45	689	Pluto	1999 05 08.376965	16 39 25.916	-10 09 18.87		689
Pluto	1998 06 16.260735	16 25 53.645	-09 08 31.86	689	Pluto	1999 05 09.374168	16 39 20.128	-10 09 02.61		689
Pluto	1998 06 18.254598	16 25 41.527	-09 08 30.16	689	Pluto	1999 05 10.371156	16 39 14.285	-10 08 46.85		689
Pluto	1998 06 19.252334	16 25 35.532	-09 08 29.95	689	Pluto	1999 05 11.368572	16 39 08.385	-10 08 31.28		689
Pluto	1998 06 20.248825	16 25 29.600	-09 08 30.18	689	Pluto	1999 05 12.366203	16 39 02.432	-10 08 15.75		689
Pluto	1998 06 22.243061	16 25 17.852	-09 08 32.74	689	Pluto	1999 05 13.363296	16 38 56.430	-10 08 00.75		689
Pluto	1998 06 23.240640	16 25 12.068	-09 08 34.60	689	Pluto	1999 05 14.360281	16 38 50.383	-10 07 45.95		689
Pluto	1998 06 26.231922	16 24 55.034	-09 08 43.55	689	Pluto	1999 05 18.348755	16 38 25.781	-10 06 50.12		689
Pluto	1998 06 27.229589	16 24 49.494	-09 08 47.56	689	Pluto	1999 05 19.346059	16 38 19.536	-10 06 36.92		689
Pluto	1998 06 28.226826	16 24 44.000	-09 08 52.15	689	Pluto	1999 05 20.343365	16 38 13.259	-10 06 24.01		689
Pluto	1998 06 29.224065	16 24 38.581	-09 08 57.17	689	Pluto	1999 05 21.340561	16 38 06.956	-10 06 11.68		689
Pluto	1998 06 30.221303	16 24 33.231	-09 09 02.76	689	Pluto	1999 05 22.337865	16 38 00.621	-10 05 59.54		689
Pluto	1998 07 01.17856	16 24 28.19	-09 09 09.2	14.0 R	699	1999 06 01.310035	16 36 56.355	-10 04 18.87		689
Pluto	1998 07 01.218800	16 24 27.957	-09 09 08.81	689	Pluto	1999 06 03.304532	16 36 43.413	-10 04 03.66		689
Pluto	1998 07 01.23353	16 24 27.88	-09 09 09.2	699	Pluto	1999 06 04.301834	16 36 36.940	-10 03 56.51		689
Pluto	1998 07 01.26083	16 24 27.76	-09 09 09.3	699	Pluto	1999 06 07.293205	16 36 17.609	-10 03 37.73		689
Pluto	1998 07 02.215524	16 24 22.755	-09 09 15.50	689	Pluto	1999 06 08.290400	16 36 11.177	-10 03 32.58		689
Pluto	1998 07 03.213022	16 24 17.616	-09 09 22.65	689	Pluto	1999 06 09.287704	16 36 04.761	-10 03 27.64		689
Pluto	1998 07 04.209833	16 24 12.579	-09 09 30.37	689	Pluto	1999 06 10.285007	16 35 58.369	-10 03 23.19		689
Pluto	1998 07 08.199228	16 23 53.168	-09 10 06.16	689	Pluto	1999 06 11.281558	16 35 52.014	-10 03 19.19		689
Pluto	1998 07 11.190958	16 23 39.520	-09 10 38.83	689	Pluto	1999 06 12.278789	16 35 45.652	-10 03 15.63		689
Pluto	1998 07 12.18781	16 23 35.15	-09 10 50.8	15.3 V	689	1999 06 13.276059	16 35 39.330	-10 03 12.66		689
Pluto	1998 07 12.187824	16 23 35.153	-09 10 50.88	689	Pluto	1999 06 14.93826	16 35 28.84	-10 03 08.3		494
Pluto	1998 07 13.18515	16 23 30.87	-09 11 03.2	15.5 V	689	1999 06 14.94029	16 35 28.82	-10 03 08.3		494
Pluto	1998 07 13.185150	16 23 30.868	-09 11 03.11	689	Pluto	1999 06 17.265172	16 35 14.340	-10 03 04.97		689
Pluto	1998 07 14.182692	16 23 26.684	-09 11 16.18	689	Pluto	1999 06 18.262370	16 35 08.182	-10 03 04.13		689
Pluto	1998 07 15.179939	16 23 22.580	-09 11 29.31	689	Pluto	1999 06 18.94576	16 35 04.03	-10 03 03.5		494
Pluto	1998 07 16.176925	16 23 18.588	-09 11 43.44	689	Pluto	1999 06 18.94785	16 35 03.94	-10 03 04.2		494
Pluto	1998 07 17.174256	16 23 14.683	-09 11 57.91	689	Pluto	1999 06 18.94969	16 35 03.95	-10 03 03.4		494
Pluto	1998 07 31.135955	16 22 31.277	-09 16 12.61	689	Pluto	1999 06 18.96107	16 35 03.91	-10 03 04.2		494
Pluto	1998 08 05.82950	16 22 20.05	-09 18 23.7	14.8 R	118	1999 06 19.259677	16 35 02.047	-10 03 03.97		689
Pluto	1998 08 06.82697	16 22 18.49	-09 18 48.1	118	Pluto	1999 06 20.256339	16 34 55.993	-10 03 04.11		689

Pluto	1999 06 21.253980	16 34 49.959	-10 03 04.68		689
Pluto	1999 06 22.251491	16 34 43.973	-10 03 05.87		689
Pluto	1999 06 23.248692	16 34 38.040	-10 03 07.47		689
Pluto	1999 07 01.225750	16 33 52.612	-10 03 38.02		689
Pluto	1999 07 02.222988	16 33 47.219	-10 03 43.78		689
Pluto	1999 07 05.214706	16 33 31.482	-10 04 04.74		689
Pluto	1999 07 09.93595	16 33 07.95	-10 04 47.5		494
Pluto	1999 07 09.94097	16 33 07.90	-10 04 47.3		494
Pluto	1999 07 18.178865	16 32 31.634	-10 06 26.55		689
Pluto	1999 07 21.170606	16 32 20.070	-10 07 10.96		689
Pluto	1999 08 01.139464	16 31 45.823	-10 10 29.27		689
Pluto	2000 04 26.95610	16 49 45.68	-11 04 48.7	15.5 R	117
Pluto	2000 04 26.96867	16 49 45.62	-11 04 48.1	15.4 R	117
Pluto	2000 05 13.93616	16 48 12.70	-11 00 28.3	15.3 R	117
Pluto	2000 05 13.95130	16 48 12.59	-11 00 28.3	15.5 R	117
Pluto	2000 05 14.90412	16 48 06.84	-11 00 15.7	15.3 R	117
Pluto	2000 05 14.90797	16 48 06.82	-11 00 15.7	15.2 R	117
Pluto	2000 05 14.91087	16 48 06.77	-11 00 15.5	15.1 R	117
Pluto	2000 05 15.91352	16 48 00.69	-11 00 03.4	14.4 R	117
Pluto	2000 05 15.91902	16 48 00.66	-11 00 03.3	14.1 R	117
Pluto	2000 05 15.92571	16 48 00.59	-11 00 03.2	14.6 R	117
Pluto	2000 05 24.98899	16 47 03.89	-10 58 20.4	15.1 R	117
Pluto	2000 05 24.99309	16 47 03.88	-10 58 19.9	15.2 R	117
Pluto	2000 05 24.99882	16 47 03.88	-10 58 19.9	15.1 R	117
Pluto	2000 06 17.90336	16 44 29.99	-10 56 15.9	14.7 R	117
Pluto	2000 06 17.90622	16 44 29.95	-10 56 16.2	15.0 R	117
Pluto	2000 06 18.86394	16 44 23.96	-10 56 15.8	14.9 R	117
Pluto	2000 06 18.89410	16 44 23.95	-10 56 16.2	15.0 R	117
Pluto	2000 06 18.89800	16 44 23.95	-10 56 15.8	15.2 R	117
Pluto	2000 06 19.88822	16 44 17.71	-10 56 16.5	15.1 R	117
Pluto	2000 06 19.89192	16 44 17.69	-10 56 16.7	15.4 R	117
Pluto	2000 06 20.88816	16 44 11.57	-10 56 17.6	15.1 R	117
Pluto	2000 06 20.89181	16 44 11.56	-10 56 17.6	15.0 R	117
Pluto	2000 06 27.84524	16 43 30.17	-10 56 36.2	14.5 R	117
Pluto	2000 06 27.84912	16 43 30.16	-10 56 36.1	14.9 R	117
Pluto	2000 06 27.85392	16 43 30.16	-10 56 36.4	14.9 R	117
Pluto	2000 07 01.84503	16 43 07.59	-10 56 57.2	15.1 R	117
Pluto	2000 07 01.84889	16 43 07.57	-10 56 57.2	15.4 R	117
Pluto	2000 07 01.85328	16 43 07.55	-10 56 57.2	15.3 R	117

OBSERVATIONS OF MINOR PLANETS

The summary lists, for each observatory code, the designation of each object observed (an asterisk signifying a new discovery), with three numbers indicating the number of observations, the number of different nights on which the object was observed and the arc (in days) covered by the observations; at the end of each observatory listing there is a count of the total number of observations, of the number of objects and of the number of discoveries followed by an asterisk, together with the total range of dates covered by the observations.

010 Caussols

E. W. Elst, Koninklijke Sterrenwacht van België, Ringlaan 3, B-1180 Brussels, Belgium [Eric.Elst@oma.be] (1)

M. Scardia, Osservatorio Astronomico di Brera, Succursale di S. Rocco, via E. Bianchi 46, I-22055 Merate, Italy [scardia@merate.mi.astro.it] (3)

Observers C. Pollas, D. Albanese, M. Scardia

Measurers E. W. Elst, M. Scardia

0.9-m Schmidt telescope

{1} 1993 BX₇, 3, 1, 0; 1993 RY₂, 3, 1, 0; 1995 SL₂₀, 3, 1, 0; 1998 BD₄, 3, 1, 0; 1998 WU, 3, 1, 0; 1999 AU, 2, 1, 0; 1999 BX₅, 3, 1, 0; 1999 JE₂₁, 6, 1, 0; 1999 JD₃₉, 3, 1, 0; 1999 JN₄₄, 3, 1, 0; 1999 NV₈, 3, 1, 0; 1999 RN₈₆, 2, 1, 0; 1999 RX₉₈, 3, 1, 0; 1999 VU₂₈, 3, 1, 0; 1999 VV₂₁₃, 3, 1, 0; 1999 XG₁₁, 3, 1, 0; 1999 XC₁₂, 3, 1, 0; 1999 XO₅₄, 3, 1, 0; 1999 XV₇₁, 3, 1, 0; 1999 XF₁₀₁, 3, 1, 0; 2000 AR₈₉, 3, 1, 0; 2000 AN₁₃₂, 2, 1, 0; 2000 AH₁₆₉, 3, 1, 0; 2000 CE₉₃, 3, 1, 0; 2000 EJ₅₈, 3, 1, 0; 2000 FB₃₈, 3, 1, 0; [78, 26, 0*, 1992/08/08-1996/08/18]

{3} 2052 T-2, 2, 1, 0; [2, 1, 0*, 1994/01/17]

012 Uccle

E. W. Elst, Koninklijke Sterrenwacht van België, Ringlaan 3, B-1180 Brussels, Belgium [Eric.Elst@oma.be] (1)

T. Pauwels, Koninklijke Sterrenwacht van België, Ringlaan 3, B-1180 Brussels, Belgium [Thierry.Pauwels@oma.be] (2)

Observers E. W. Elst, T. Pauwels, H. Boffin, D. Taeymans

Measurers E. W. Elst, T. Pauwels

0.85-m $f/2.5$ Schmidt + CCD

GSC-1.2

{1} 1997 TD₁₉, 2, 1, 0; 1999 AG₃₈, 3, 1, 0; 1999 VT₁₆₅, 2, 1, 0; 1999 VU₁₆₅, 2, 1, 0; 1999 VM₁₆₆, 2, 1, 0; 1999 XP₄₅, 2, 1, 0; 1999 XY₁₂₃, 2, 1, 0; [15, 7, 0*, 1999/01/11-2000/02/27]

{2} 1994 CJ₁₁, 5, 1, 0; 1998 FB₁₄₁, 5, 1, 0; 1999 CN₇, 5, 1, 0; 1999 TN₁₉, 4, 1, 0; 1999 TM₈₁, 4, 1, 0; 1999 TY₁₂₉, 3, 1, 0; 1999 TX₁₄₅, 5, 1, 0; 1999 TF₂₂₂, 10, 1, 0; 1999 TT₃₀₆, 5, 1, 0; 1999 UX₂₇, 5, 1, 0; 1999 XZ₂₅₉, 5, 1, 0; 2000 AN₂₂, 5, 1, 0; 2000 AB₂₃, 5, 1, 0; 2000 AK₁₅₇, 9, 2, 9; 2000 DN₁₁₆ *, 5, 1, 0; 2000 EX₁₃₄, 5, 1, 0; 2000 EG₁₈₆ *, 5, 1, 0; 2000 EH₁₈₆ *, 5, 1, 0; 2000 GM₅₉, 3, 1, 0; 2000 GN₁₈₃, 5, 1, 0; 2000 KS₅₈, 5, 1, 0; 2000 MR₆, 5, 1, 0; [113, 22, 3*, 1999/01/18-2000/06/29]

033 Tautenburg

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

Observer F. Börngen

Measurers F. Börngen, A. Gnädig

1.3-m Schmidt telescope

PPM

1991 TW₂, 2, 1, 0; 1992 UN₇, 2, 1, 0; 1993 UU₄, 2, 1, 0; 1997 WT₄₁, 2, 1, 0; 1998 CM₂, 1, 1, 0; 1999 AL₅, 2, 1, 0; 1999 CM₂₃, 2, 1, 0; 1999 NH₅₄, 2, 1, 0; 1999 RP₁₃₆, 1, 1, 0; 1999 VH₇₁, 2, 1, 0; 1999 VP₁₈₈, 2, 1, 0; 1999 XR₂₅, 3, 2, 2; 1999 XU₉₇, 2, 1, 0; 2000 AK₃₁, 2, 1, 0; 2000 AM₁₆₅, 2, 1, 0; 2000 LM₂₀, 2, 1, 0; [31, 16, 0*, 1991/10/31-1995/10/25]

046 Kleť

J. Tichá, Hvězdárna Kleť, Zátkovo nábřeží 4, CZ-37001 České Budějovice, Czech Republic [klet@klet.cz]

Observers J. Tichá, M. Tichý, Z. Moravec, P. Jelínek

Measurers M. Tichý, Z. Moravec

0.57-m $f/5.2$ reflector + CCD

USNO-A2.0

GA CR 205/98/0266

1979 UR, 3, 1, 0; 1984 SB₂, 3, 1, 0; 1996 DS₂, 4, 1, 0; 1996 PH, 9, 2, 2; 1997 UE₁₅, 6, 2, 2; 1998 BB₁₀, 14, 2, 1; 1998 CH, 6, 2, 1; 1999 BG₁, 3, 1, 0; 1999 BT₈, 6, 2, 1; 1999 FJ₆₀ *, 3, 1, 0; 1999 KW₄, 4, 1, 0; 1999 YG₃, 16, 2, 2; 2000 BG₁₉, 3, 1, 0; 2000 CF₁₁₅, 4, 1, 0; 2000 EA₈₆, 4, 1, 0; 2000 FT₄₁, 5, 1, 0; 2000 GX₁₀₈, 5, 1, 0; 2000 GK₁₃₇, 4, 1, 0; 2000 GN₁₇₁, 2, 2, 1; 2000 HM₂₅, 5, 1, 0; 2000 JA₃, 14, 3, 14; 2000 KB, 3, 1, 0; 2000 KO₄₄, 5, 1, 0; 2000 LL, 9, 2, 15; 2000 LM, 8, 2, 9; 2000 LJ₁₀, 9, 2, 2; 2000 LX₂₇, 6, 1, 0; 2000 MT₁, 5, 1, 0; 2000 MU₁, 11, 2, 1; 2000 MV₁, 10, 2, 1; 2000 NM, 10, 2, 10; 2000 OG, 5, 1, 0; 2000 OH, 6, 2, 1; [210, 33, 1*, 1995/05/03-2000/07/23]

049 Kvistaberg

C.-I. Lagerkvist, Uppsala Astronomical Observatory, Box 515, S-751 20 Uppsala, Sweden [classe@astro.uu.se]

G. Hahn, DLR - Institute Space Sensor Technology and of Planetary Exploration, Rutherfordstrasse 2, D-12489 Berlin, Germany [Gerhard.Hahn@DLR.de]

Observers T. Oja, A. Karlsson, C.-I. Lagerkvist, J. Warell, B. Davidsson

Measurers J. Warell, C.-I. Lagerkvist, A. Erikson, G. Hahn, S. Mottola

1.0m Schmidt + CCD

USNO-SA2.0

1998 SX₈₆, 4, 1, 0; 1999 RZ₂₁₀, 6, 2, 24; 1999 RP₂₁₁, 3, 1, 0; 1999 RY₂₁₁, 3, 1, 0; 1999 RQ₂₂₁, 3, 1, 0; 1999 UJ₄₅, 3, 1, 0; 1999 UM₄₈, 3, 1, 0; 1999 VG₄₀, 6, 2, 56; 1999 VW₁₀₇, 3, 1, 0; 1999 VG₁₄₇, 3, 1, 0; 1999 VX₁₈₃, 3, 1, 0; 1999 VC₁₈₉, 3, 1, 0; 1999 VT₂₂₀, 3, 1, 0; 1999 XM₃₅, 6, 2, 10; 1999 XE₂₃₈, 3, 1, 0; 1999 XQ₂₄₁, 6, 2, 6; 1999 YE₁₃, 6, 2, 5; 2000 AQ₅, 3, 1, 0; 2000 AE₂₅₂, 3, 1, 0; 2000 AV₂₅₄, 3, 1, 0; 2000 CO₄, 3, 1, 0; 2000 CB₅, 3, 1, 0; 2000 CR₅, 3, 1, 0; 2000 CS₅, 3, 1, 0; 2000 CC₁₁₈, 3, 1, 0; 2000 CD₁₁₈, 3, 1, 0; 2000 CF₁₁₈, 3, 1, 0; 2000 CH₁₁₈, 3, 1, 0; 2000 CL₁₁₈, 3, 1, 0; 2000 DA₁₁₆, 3, 1, 0; 2000 EE₈₂, 3, 1, 0; 2000 ES₁₅₂, 3, 1, 0; 2000 FF₅₇, 3, 1, 0; 2000 FG₅₇, 3, 1, 0; 2000 FH₅₇, 3, 1, 0; 2000 FJ₅₇, 3, 1, 0; 2000 FQ₅₈, 3, 1, 0; 2000 FV₅₈, 3, 1, 0; 2000 FZ₇₁ *, 3, 1, 0; 2000 GK₁₅₈, 3, 1, 0; 2000 GY₁₇₁, 3, 1, 0; [139, 41, 1*, 1999/11/03-2000/04/08]

071 Bulgarian National Observatory

V. Ivanova, Institute of Astronomy, 72 Tsarigradsko Schosse Blvd., Sofia, Bulgaria [ivanova@astro.bas.bg]

Observers V. Ivanova, B. Bilkina

0.50-m *f*/1.4 Schmidt + CCD

USNO-A2.0

1999 TC₅, 5, 2, 3; 2000 BG₁₉, 10, 3, 3; 2000 DN₈, 4, 1, 0; 2000 DK₇₉, 5, 2, 1; 2000 ED₁₀₄, 4, 2, 1; 2000 GG₂, 7, 3, 3; 2000 GU₁₂₇, 3, 1, 0; [38, 7, 0*, 2000/05/04-2000/05/08]

095 Crimean Astrophysical Observatory

N. S. Chernykh, Crimean Astrophysical Observatory, Nauchnyj, Crimea UA-98409, Ukraine [nik@crao.crimea.ua]

V. A. Shor, Institute of Applied Astronomy, Naberezhnaya Kutuzova 10, St. Petersburg 191187, Russia [shor@quasar.ipa.nw.ru]

Observers N. S. Chernykh, L. I. Chernykh

0.4-m *f*/4 double astrograph

PPM

1996 VV₁₉, 1, 1, 0; 1999 DQ₆, 1, 1, 0; 2000 CK₁₀₃, 1, 1, 0; [3, 3, 0*, 1992/09/28-1996/11/15]

097 Wise Observatory, Mitzpeh Ramon

E. Ofek, Wise Observatory, Tel-Aviv University, Tel-Aviv, IL-69978 Israel

[Eran@wise.tau.ac.il]

Observer E. Ofek

Measurer I. Manulis

1.0-m *f*/7 reflector + CCD

USNO-A2.0

1999 JZ₈₉, 3, 1, 0; 1999 TC₂₅₆, 3, 1, 0; 1999 XF₂₅₉ *, 2, 1, 0; 2000 GX₁₅₃, 3, 1, 0; [11, 4, 1*, 1998/01/02-1999/12/08]

098 Asiago Observatory, Cima Ekar

U. Munari, Osservatorio Astronomico di Padova, Sede di Asiago, I-36012 Asiago (VI), Italy [munari@astras.pd.astro.it]

Observers U. Munari, F. Castellani, M. Tombelli, P. Antolini

Measurers F. Castellani, M. Tombelli, G. Forti

0.67-m *f*/3.2 Schmidt

1998 VU₄₅, 2, 1, 0; 1998 VU₅₄, 2, 1, 0; 1999 RN₁₀, 2, 1, 0; 1999 UE, 2, 1, 0; 2000 GD₁₄₃, 4, 2, 1; 2000 JC₅₄, 2, 1, 0; [14, 6, 0*, 1994/12/03-1998/10/26]

104 San Marcello Pistoiese

L. Tesi, Osservatorio di Pian dei Termini, Viale Panoramico 45, I-51028 San Marcello Pistoiese (PT), Italy [iau@arcetri.astro.it]

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

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

0.40-m *f*/5 reflector + CCD

GSC

1994 QC, 3, 1, 0; 1997 SE₁, 2, 1, 0; 1998 VP₅₅, 4, 1, 0; 1999 AV₂₂, 2, 1, 0; 1999 CO₉₈, 3, 1, 0; 1999 JA₈₆, 2, 1, 0; 2000 BY₄₈, 4, 1, 0; 2000 CX₁₂₀ *, 4, 1, 0; 2000 CB₁₂₂, 4, 1, 0; 2000 HL₃₉, 4, 1, 0; 2000 NR₃, 4, 1, 0; [36, 11, 1*, 1997/09/17-2000/07/10]

106 Črni vrh

H. Mikuž, Kersnikova 11, SI-61000 Ljubljana, Slovenia [herman.mikuz@uni-lj.si]

Observers H. Mikuž, J. Skvarč, S. Matičič

0.36-m *f*/6.7 Schmidt-Cassegrain + CCD, 0.19-m *f*/4 Schmidt-Cassegrain + CCD

USNO-A2.0

1990 OV, 5, 2, 1; 1991 RW₂₃, 3, 1, 0; 1994 CW, 3, 1, 0; 1994 EK₁, 3, 1, 0; 1994 SN₉, 3, 1, 0; 1995 DY, 2, 1, 0; 1995 WJ₁, 3, 1, 0; 1996 AX, 3, 1, 0; 1996 YE₂, 3, 1, 0; 1997 AW₁, 3, 1, 0; 1997 UX₂, 3, 1, 0; 1997 VN₃, 3, 1, 0; 1997 WN₂₁, 3, 1, 0; 1998 FN₅₃, 3, 1, 0; 1998 FR₆₂, 3, 1, 0; 1998 FZ₆₄, 3, 1, 0; 1998 FR₆₅, 3, 1, 0; 1998 FL₇₈, 3, 1, 0; 1998 FO₁₀₃, 3, 1, 0; 1998 FP₁₁₃, 3, 1, 0; 1998 FQ₁₂₂, 3, 1, 0; 1998 HO₂₇, 3, 1, 0; 1998 HR₃₈, 3, 1, 0; 1998 HC₁₁₈, 3, 1, 0; 1998 HT₁₄₉, 3, 1, 0; 1998 KM₄₇, 3, 1, 0; 1998 PP₁, 3, 1, 0; 1998 QJ₂₈, 3, 1, 0; 1998 RA₂, 3, 1, 0; 1998 RB₇₄, 3, 1, 0; 1998 SM₄₁, 3, 1, 0; 1998 SF₄₉, 3, 1, 0; 1998 SO₅₉, 3, 1, 0; 1998 SL₆₅, 3, 1, 0; 1998 SU₇₄, 3, 1, 0; 1998 SM₉₁, 2, 1, 0; 1998 SQ₁₀₈, 3, 1, 0; 1998 SH₁₁₆, 3, 1, 0; 1998 SN₁₃₁, 3, 1, 0; 1998 SV₁₃₂, 3, 1, 0; 1998 SY₁₃₉, 3, 1, 0; 1998 SL₁₄₂, 2, 1, 0; 1998 SR₁₄₄, 3, 1, 0; 1998 SK₁₄₆, 3, 1, 0; 1998 SS₁₄₆, 2, 1, 0; 1998 TF, 3, 1, 0; 1998 TK, 3, 1, 0; 1998 TT₆, 3, 1, 0; 1998 TN₃₁, 2, 1, 0; 1998 UO₈, 2, 1, 0; 1998 UN₁₆, 3, 1, 0; 1998 UQ₁₈, 2, 1, 0; 1998 UY₁₉, 3, 1, 0; 1998 VS₆, 3, 1, 0; 1998 VN₂₄, 3, 1, 0; 1998 VF₃₀, 3, 1, 0; 1998 WJ₅, 2, 1, 0; 1998 WA₈, 3, 1, 0; 1998 WA₂₀, 3, 1, 0; 1998 XS₄, 3, 1, 0; 1998 XH₅, 3, 1, 0; 1998 XM₅, 3, 1, 0; 1998 XH₁₂, 3, 1, 0; 1998 XQ₁₂, 3, 1, 0; 1998 XV₁₆, 3, 1, 0; 1998 XB₇₈, 3, 1, 0; 1998 XF₉₆, 3, 1, 0; 1998 YQ₉, 3, 1, 0; 1999 AG₇, 2, 1, 0; 1999 AW₁₆, 2, 1, 0; 1999 AX₂₁, 3, 1, 0; 1999 AM₂₄, 3, 1, 0; 1999 AS₂₅, 3, 1, 0; 1999 BG₁₀, 6, 2, 4; 1999 CU₅₆, 3, 1, 0; 1999 CP₇₂, 3, 1, 0; 1999 CA₇₆, 3, 1, 0; 1999 CP₇₉, 3, 1, 0; 1999 DC₆, 3, 1, 0; 1999 EL, 3, 1, 0; 1999 FU₃₀, 3, 1, 0; 1999 GQ₄, 9, 3, 4; 1999 GC₁₇, 6, 2, 2; 1999 KA₈, 2, 1, 0; 2000 EZ₂₇, 2, 1, 0; 2000 GQ₁₂₆, 3, 1, 0; 2000 GR₁₂₆, 5, 2, 1; 2000 GT₁₂₆, 2, 1, 0; 2000 GU₁₂₆, 6, 2, 1; 2000 GX₁₂₆, 4, 2, 4; 2000 JA₃, 3, 1, 0; 2000 JP₅₈, 6, 2, 4; 2000 JU₅₈, 6, 2, 2; 2000 JX₆₁, 2, 1, 0; 2000 JF₇₆, 3, 1, 0; 2000 KA₂, 2, 1, 0; 2000 KU₅₄, 3, 1, 0; 2000 LD₁, 5, 2, 1; 2000 LF₁, 3, 1, 0; 2000 LJ₁, 3, 1, 0; 2000 LL₂, 3, 1, 0; 2000 LV₂, 3, 1, 0; 2000 LA₅, 6, 2, 2; 2000 LS₆, 3, 1, 0; 2000 LU₇, 6, 2, 2; 2000 LA₁₅, 3, 1, 0; 2000 MY₅, 3, 1, 0; 2000 NM, 6, 2, 4; 2000 NR₂ *, 5, 2, 1; 2000 NS₂ *, 6, 2, 1; 2000 NL₃ *, 6, 2, 1; 2000 NM₃ *, 5, 2, 1; 2000 NX₃, 3, 1, 0; 2000 OG, 3, 1, 0; (79), 3, 1, 0; (80), 3, 1, 0; (95), 3, 1, 0; (113), 3, 1, 0; (140), 3, 1, 0; (313), 3, 1, 0; (320), 3, 1, 0; (397), 6, 2, 1; (417), 3, 1, 0; (480), 3, 1, 0; (807), 3, 1, 0; (900), 3, 1, 0; (1152), 2, 1, 0; (1285), 3, 1, 0; (1409), 3, 1, 0; (1754), 3, 1, 0; (1840), 1, 1, 0; (2052), 3, 1, 0; (2115), 2, 1, 0; (2437), 3, 1, 0; (2473), 2, 1, 0; (2527), 2, 1, 0; (3808), 3, 1, 0; (5240), 3, 1, 0; (5243), 6, 2, 2; (7012), 3, 1, 0; (7145), 3, 1, 0; (7617), 2, 1, 0; (8105), 2, 1, 0; (8284), 3, 1, 0; (8472), 5, 2, 1; (10075), 3, 1, 0; (10734), 3, 1, 0; (10808), 3, 1, 0; (10951), 2, 1, 0; (15357), 3, 1, 0; (15498), 3, 1, 0; (15610), 6, 2, 2; [490, 152, 4*, 1999/08/10-2000/07/22]

108 Montelupo

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Observers M. Tombelli, A. Boattini, L. Tesi, D. Guidetti, E. Masotti

Measurers M. Tombelli, A. Boattini, L. Tesi, S. Bartolini, G. Forti

0.30-m *f*/5.7 Schmidt-Cassegrain + CCD

GSC-1.1

2000 AH₆₉, 5, 1, 0; 2000 OH, 4, 1, 0; [9, 2, 0*, 1999/11/27-2000/07/21]

113 Volkssternwarte Drebach, Schönbrunn

G. Lehmann, Persterstrasse 6h, D-09430 Drebach, Germany

[g.lehmann@abo.freiepresse.de]

Observers G. Lehmann, J. Kandler

0.50-m $f/4.0$ reflector + CCD

USNO-A2.0

1998 WH₂₈, 3, 1, 0; [3, 1, 0*, 1999/02/10]

117 Sendling

H. Beuchat, European Patent Office, Erhardstrasse 27, D-80331 Munich, Germany
[100341.75@compuserve.com]

0.20-m $f/10$ reflector + CCD

GSC

(8), 6, 2, 9; (9), 6, 2, 9; (39), 14, 5, 12; (48), 6, 2, 9; (61), 12, 3, 17; (97), 11, 4, 12; (156), 4, 1, 0; (176), 4, 2, 1; (273), 4, 1, 0; (372), 9, 3, 17; (393), 10, 3, 8; (712), 4, 1, 0; (739), 17, 6, 17; (914), 9, 3, 17; (1277), 4, 1, 0; [120, 15, 0*, 2000/06/19-2000/07/07]

118 Modra

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

0.6-m $f/5.5$ reflector + CCD

USNO-A2.0, USNO-A1.0

1991 PM₅, 6, 3, 17; 1996 HO, 2, 1, 0; 1997 WU₂₂, 2, 1, 0; 1999 DC₆, 2, 1, 0; 1999 JD₆, 4, 2, 21; 1999 KW₄, 4, 2, 2; 2000 AJ₁₄₁, 4, 1, 0; 2000 AY₂₄₆, 3, 1, 0; 2000 GO₈₂, 2, 1, 0; 2000 GK₁₃₇, 2, 1, 0; 2000 GR₁₄₆, 2, 1, 0; 2000 HA, 3, 1, 0; 2000 JA₃, 4, 2, 1; 2000 JQ₆₆, 4, 2, 14; 2000 KB, 5, 2, 1; 2000 KN, 11, 5, 16; 2000 KL₃₃, 4, 2, 6; 2000 KO₄₄, 11, 5, 30; 2000 LL, 5, 2, 2; 2000 LM, 18, 7, 30; 2000 LC₃, 6, 3, 8; 2000 LF₆, 3, 1, 0; 2000 LC₁₆, 4, 2, 1; 2000 LY₂₇, 3, 1, 0; 2000 MU₁, 11, 4, 15; 2000 MV₁, 5, 2, 11; 2000 NM, 10, 4, 8; 2000 NX₃, 4, 2, 2; 2000 NH₁₀, 6, 2, 1; 2000 NJ₁₀, 6, 2, 1; 2000 NL₁₀, 3, 1, 0; 2000 OG, 4, 1, 0; 2000 OH, 3, 1, 0; (2049), 4, 2, 14; (2100), 8, 3, 15; (3752), 3, 1, 0; (4034), 4, 2, 1; (8230), 5, 2, 7; (11500), 2, 1, 0; (14402), 2, 1, 0; [194, 40, 0*, 1996/04/21-2000/07/22]

120 Višnjan

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Observers K. Korlević, M. Jurić

0.41-m $f/4.3$ reflector + CCD

USNO-SA1.0

1995 UV₈, 2, 1, 0; 1996 GS₉, 3, 1, 0; 1997 PD₅, 2, 1, 0; 1998 BZ₈, 3, 1, 0; 1998 FC₅₈, 2, 1, 0; 1998 FV₇₈, 3, 1, 0; 1998 FE₁₁₄, 3, 1, 0; 1998 HL₃₄, 2, 1, 0; 1998 HT₅₁, 3, 1, 0; 1998 OH₁₀, 2, 1, 0; 1998 QL₁, 2, 1, 0; 1998 QE₁₇, 2, 1, 0; 1998 QM₂₈, 2, 1, 0; 1998 QT₃₁, 4, 2, 10; 1998 QE₄₃, 2, 1, 0; 1998 RM₃, 2, 1, 0; 1998 RN₅₈, 2, 1, 0; 1998 SL₆₅, 2, 1, 0; 1998 SN₇₅, 2, 1, 0; 1998 SX₁₁₅, 1, 1, 0; 1998 VB₁₆, 2, 1, 0; 1998 VL₃₁, 3, 1, 0; 1998 VC₅₀, 2, 1, 0; 1998 VJ₅₀, 2, 1, 0; 1998 VA₅₅ *, 2, 1, 0; 1998 VB₅₅ *, 2, 1, 0; 1998 VC₅₅ *, 2, 1, 0; 1998 VD₅₅ *, 2, 1, 0; 1998 VE₅₅ *, 2, 1, 0; 1998 VF₅₅ *, 2, 1, 0; 1998 WU₈, 2, 1, 0; 1998 XL₇₈, 3, 1, 0; 1998 YE₃₂, 3, 1, 0; 1999 AL₁, 2, 1, 0; 1999 AE₁₃, 3, 1, 0; 1999 AN₃₇, 2, 1, 0; 1999 VS₁₉₀, 2, 1, 0; 1999 XE₁₆₇, 3, 1, 0; 2000 BD₃₃, 2, 1, 0; 2000 CG₂₉, 2, 1, 0; 2000 CE₁₁₈, 2, 1, 0; 2000 CG₁₁₈, 2, 1, 0; 2000 CJ₁₁₈, 2, 1, 0; 2000 DV₂₂, 2, 1, 0; 2000 FR₅₇, 3, 1, 0; (15155), 2, 1, 0; [104, 46, 6*, 1996/01/02-2000/04/26]

121 Kharkov University, Chuguevskaya Station

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0.70-m $f/4$ reflector + CCD

USNO-A

(250), 3, 1, 0; (2048), 7, 3, 2; [10, 2, 0*, 2000/06/05-2000/06/07]

127 Bornheim

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

0.30-m $f/3.2$ FFC + CCD

USNO-A2.0

1991 PM₅, 2, 1, 0; 1993 QZ, 4, 2, 6; 1996 RP, 4, 2, 1; 1998 WU₄, 4, 2, 1; 1999 JD₆, 5, 2, 6; 1999 XY₁₂₃, 3, 1, 0; 2000 GE₁, 4, 2, 1; 2000 GK₁₃₇, 4, 2, 6; 2000 JC₇₀, 4, 2, 1; 2000 LJ₆, 2, 1, 0; 2000 LU₂₅, 4, 2, 1; [40, 11, 0*, 1999/11/16-2000/07/03]

130 Lumezzane

S. Foglia, F. Bisleri 11, I-20418 Milan, Italy [s.foglia@libero.it]

Observers G. Pizzetti, C. Cremaschini, J. Abdhalla

Measurer G. Pizzetti

0.40-m $f/4$ reflector + CCD

USNO-A1.0

2000 NM, 3, 1, 0; [3, 1, 0*, 2000/07/08]

143 Gnosca

S. Sposetti, CH-6525 Gnosca, Switzerland [spo@bluewin.ch]

0.40-m $f/4$ reflector + CCD

GSC

1999 UH₄₉, 3, 1, 0; (8671), 6, 2, 14; [9, 2, 0*, 1999/10/31-1999/12/21]

151 Eschenberg Observatory, Winterthur

M. Griesser, Breitenstrasse 2, CH-8542 Wiesendangen, Switzerland

[griesser@spectraweb.ch]

0.25-m $f/8.0$ reflector + CCD

GSC

1989 AV₆, 4, 1, 0; 1991 PM₅, 4, 1, 0; 1992 MD, 4, 1, 0; 1992 SG₂, 8, 2, 10; 1993 OY₆, 5, 1, 0; 1998 QK₉₃, 4, 1, 0; 1999 JD₆, 5, 1, 0; 2000 GA₁₂₇, 5, 1, 0; 2000 GK₁₃₇, 48, 8, 16; 2000 HP₄₁, 4, 1, 0; 2000 JA₃, 24, 4, 22; 2000 JQ₆₆, 5, 1, 0; 2000 KL₃₃, 16, 4, 20; 2000 LM, 5, 1, 0; 2000 LC₁₂, 4, 1, 0; 2000 LM₁₉, 4, 1, 0; 2000 MH₁, 4, 1, 0; 2000 NM, 50, 6, 18; 2000 OG, 5, 1, 0; 2000 OH, 6, 1, 0; (4281), 5, 1, 0; [219, 21, 0*, 2000/04/08-2000/07/22]

157 Frasso Sabino

A. Pelloni, via Oratorio Damasiano 15, I-00148 Rome, Italy [mc3657@mcmlink.it]

Observers A. Pelloni, R. Haver, F. Anzellini

Measurers A. Pelloni, R. Haver

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

USNO-A2.0, USNO-A1.0

2000 NM, 11, 2, 12; 2000 OG, 3, 1, 0; 2000 OH, 2, 1, 0; [16, 3, 0*, 2000/07/05-2000/07/23]

159 Monte Agliale

M. M. M. Santangelo, Monte Agliale Astronomical Observatory, Borgo a Mozzano, Lucca, Italy [ilra@comune.lucca.it]

0.51-m $f/4.5$ Newtonian reflector + CCD

USNO-A2.0

1997 BV₅, 5, 1, 0; 1998 WK₁, 6, 1, 0; 1999 BJ₁₂, 1, 1, 0; 1999 EK₃, 9, 2, 13; [21, 4, 0*, 1999/08/14-2000/07/05]

162 Potenza

A. M. Giambersio, 22 R. Scotellaro Street, I-85100 Potenza, Italy

[agiamber@tin.it]

0.20-m $f/6.3$ reflector + CCD

GSC

(512), 3, 2, 2; (1034), 4, 2, 1; [7, 2, 0*, 2000/06/24-2000/07/02]

163 Roeser Observatory, Luxembourg

M. Dawson, 66 Rue Boch, L-1244 Luxembourg, Luxembourg [dawson@pt.lu]

0.46-m $f/4.5$ reflector + CCD

GSC-ACT

2000 NM, 6, 1, 0; 2000 NL₁₀, 2, 1, 0; [8, 2, 0*, 2000/07/03-2000/07/10]

170 Observatorio de Begues

J. Manteca, c/Santpere, no. Casa 22, E-08859 Begues, Barcelona, Spain

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Observer J. Manteca

Measurer S. Alonso

0.26-m $f/6.9$ Schmidt-Cassegrain + CCD

GSC-1.1

(594), 3, 1, 0; [3, 1, 0*, 2000/06/19–2000/06/20]

171 Flarestar Observatory, San Gwann

S. M. Brincat, Fl. 5 Ent. B, Silver Jubilee Apt., Ta' Zwej, San Gwann SGN 09,

Malta [sbrincat@orbit.net.mt]

0.25-m $f/2.6$ Schmidt-Cassegrain + CCD

GSC, GSC-ACT

2000 NM, 4, 1, 0; [4, 1, 0*, 2000/07/03]

247 Roving Observer

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Observers K. Yeung, T. Alderweireldt

0.47-m $f/3.0$ reflector + CCD, 0.2-m $f/6.3$ Schmidt-Cassegrain + CCD

1998 XH₉₆, 8, 1, 0; 2000 KU₆₃, 4, 1, 0; 2000 KV₆₃, 4, 1, 0; 2000 LD₃₅, 4, 1, 0; (2060), 18, 1, 0; (3341), 6, 1, 0; [44, 6, 0*, 2000/06/01–2000/06/03]

260 Siding Spring-DSS

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Measurers A. Gnädig (1), A. Knöfel (1), M. Hoffmann (1), A. Boattini (2),

G. Forti (2), M. Tombelli (2), L. Tesi (2), G. D'Abramo (2), V. S. Casulli (3),

S. Valentini (3), A. Lowe (4), R. Di Luca (5)

1.2-m U.K. Schmidt

{1} 1987 DD₄, 2, 1, 0; 1999 TD₈, 2, 1, 0; 1999 VM₇₂, 4, 2, 89; 1999 VH₈₇, 2, 1, 0; 1999 VX₉₀, 4, 2, 3309; 1999 XN₆, 4, 2, 4334; 1999 XS₇, 6, 3, 1002; 1999 XK₁₄, 1, 1, 0; 1999 XS₃₃, 4, 2, 1477; 1999 XG₁₁₁, 4, 2, 4; 1999 XG₁₆₅, 4, 2, 332; 1999 XP₁₆₅, 4, 2, 332; 1999 XL₁₇₂, 4, 2, 1481; 1999 XR₁₇₈, 4, 2, 29; 1999 XP₁₈₀, 2, 1, 0; 1999 XA₂₂₁, 8, 4, 5708; 1999 XG₂₂₁, 2, 1, 0; 1999 YM₃, 2, 1, 0; 1999 YK₁₆, 4, 2, 2255; 2000 AB₅₂, 2, 1, 0; 2000 AM₆₄, 4, 2, 76; 2000 AY₉₆, 4, 2, 1804; 2000 AN₉₇, 4, 2, 86; 2000 AZ₉₉, 2, 1, 0; 2000 AW₁₂₄, 2, 1, 0; 2000 AJ₁₂₅, 2, 1, 0; 2000 AW₁₂₆, 2, 1, 0; 2000 AV₁₃₇, 4, 2, 1396; 2000 AU₁₄₄, 2, 1, 0; 2000 AG₁₆₈, 4, 2, 533; 2000 AK₂₄₃, 2, 1, 0; 2000 AR₂₄₃, 2, 1, 0; 2000 AT₂₄₃, 4, 2, 26; 2000 CV₄, 2, 1531; 2000 CP₅₈, 2, 1, 0; 2000 CJ₉₄, 5, 3, 2752; 2000 CZ₉₄, 4, 2, 2971; 2000 DE₃, 3, 2, 3600; 2000 ED₂₀, 2, 1, 0; 2000 EC₂₉, 4, 2, 4064; 2000 EW₄₇, 2, 1, 0; 2000 EJ₅₈, 2, 1, 0; 2000 EK₉₅, 2, 1, 0; 2000 EJ₁₀₈, 3, 2, 920; 2000 EQ₁₃₈, 4, 2, 110; 2000 EL₁₅₈, 6, 3, 2020; 2000 FR₃₆, 2, 1, 0; 2000 FK₄₉, 2, 1, 0; 2000 FF₅₀, 4, 2, 1856; [158, 49, 0*, 1975/04/20–1996/10/14]

{2} 1996 AC₄, 2, 1, 0; 1996 BB₁₃, 2, 1, 0; 1997 NM₁₀, 2, 1, 0; 1997 XK₁₀, 2, 1, 0; 1998 XA₃, 2, 1, 0; 1999 CG₁₆, 2, 1, 0; 1999 VW₂₀, 2, 1, 0; 2000 AW₄, 2, 1, 0; [16, 8, 0*, 1976/06/24–1990/05/01]

{3} (14498), 2, 1, 0; [2, 1, 0*, 1983/07/13]

{4} 1978 PV₂, 2, 1, 0; 1980 TZ₅, 2, 1, 0; 1981 UW₂₃, 2, 1, 0; 1984 RA, 6, 3, 1102; 1987 KL, 2, 1, 0; 1987 QD, 2, 1, 0; 1987 SM₃, 4, 2, 1; 1989 AA, 2, 1, 0; 1989 WY₁, 6, 3, 1869; 1990 SD₂, 2, 1, 0; 1990 WF, 2, 1, 0; 1990 XN, 4, 2, 480; 1991 VJ₄, 2, 1, 0; 1992 CQ, 2, 1, 0; 1992 SL₁, 2,

1, 0; 1993 LF, 2, 1, 0; 1993 OA₃, 2, 1, 0; 1993 RS, 2, 1, 0; 1993 TC, 2, 1, 0; 1993 XK₃, 2, 1, 0; 1994 GB₁, 2, 1, 0; 1994 NQ, 2, 1, 0; 1994 TV₁₅, 2, 1, 0; 1994 WH₁, 4, 2, 5765; 1995 BL, 2, 1, 0; 1995 CB₁, 12, 6, 122; 1995 CC₂, 6, 3, 42; 1995 CA₈, 2, 1, 0; 1997 AL₁, 2, 1, 0; 1997 CF₂₉, 2, 1, 0; 1997 WV₂, 8, 4, 454; 1997 WT₃₇, 4, 2, 5552; 1997 XH₁, 2, 1, 0; 1997 YM₄, 4, 2, 6230; 1997 YA₈, 2, 1, 0; 1997 YY₈, 4, 2, 50; 1997 YU₁₃, 2, 1, 0; 1998 BZ, 2, 1, 0; 1998 BY₂₄, 4, 2, 892; 1998 BJ₃₃, 2, 1, 0; 1998 DU₇, 2, 1, 0; 1998 DN₂₀, 2, 1, 0; 1998 DX₃₅, 4, 2, 6152; 1998 EW₁₁, 4, 2, 53; 1998 FA₉, 2, 1, 0; 1998 FR₁₃, 2, 1, 0; 1998 FR₁₁₇, 2, 1, 0; 1998 QM₉₈, 2, 1, 0; 1998 UB₁₇, 2, 1, 0; 1998 WC₁, 2, 1, 0; 1998 XM₅₂, 2, 1, 0; 1999 AJ₂₁, 2, 1, 0; 1999 CT₁₄, 4, 2, 487; 1999 CH₂₀, 2, 1, 0; 1999 CL₆₅, 2, 1, 0; 1999 CY₉₆, 4, 2, 81; 1999 DV₃, 2, 1, 0; 1999 FJ₅, 4, 2, 3726; 1999 JR₃, 4, 2, 565; 1999 JB₈₀, 2, 1, 0; 1999 KF₄, 2, 1, 0; 1999 KL₆, 2, 1, 0; 1999 NZ₅, 2, 1, 0; 1999 NR₃₆, 8, 4, 79; 1999 RU₂₀₈, 4, 2, 30; 1999 TH₁₂, 2, 1, 0; 1999 TH₂₁, 2, 1, 0; 1999 VL₂₂, 4, 2, 2217; 1999 VU₂₃, 4, 2, 57; 1999 XQ₈₆, 2, 1, 0; 1999 XL₁₇₅, 2, 1, 0; 1999 XL₁₉₅, 2, 1, 0; 1999 XN₂₁₂, 2, 1, 0; 1999 YS₁₄, 2, 1, 0; 2000 AL₄₂, 2, 1, 0; 2000 AS₅₀, 2, 1, 0; 2000 CN₂₁, 2, 1, 0; 2000 CC₃₄, 2, 1, 0; 2000 CL₉₄, 2, 1, 0; 2000 CX₁₁₆, 2, 1, 0; 2000 EF₁₀₁, 2, 1, 0; 2000 GF₇₉, 2, 1, 0; 2000 GB₈₃, 2, 1, 0; 2000 LV₂₁, 2, 1, 0; 2000 LY₂₇, 2, 1, 0; (3122), 2, 1, 0; (3361), 2, 1, 0; (3752), 2, 1, 0; (3753), 2, 1, 0; (13405), 4, 2, 23; (15246), 2, 1, 0; (15297), 2, 1, 0; (15318), 6, 3, 1483; (15416), 1, 1, 0; [259, 94, 0*, 1974/06/17–1993/11/07]

{5} 1995 UN₅, 2, 1, 0; 1996 HH₁, 1, 1, 0; [3, 2, 0*, 1983/05/07–1988/08/04]

261 Palomar-DSS

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S. Valentini (3), A. Lowe (4), E. Colombini (5)

1.2-m U.K. Schmidt

{1} 1990 VB₉, 2, 1, 0; 1996 TQ₅, 5, 3, 1857; 1999 TD₈, 4, 2, 949; 1999 VL₄₀, 4, 2, 20; 1999 VM₇₂, 2, 1, 0; 1999 VH₈₇, 2, 1, 0; 1999 XS₇, 2, 1, 0; 1999 XK₁₄, 2, 1, 0; 1999 XS₃₃, 2, 1, 0; 1999 XS₉₄, 8, 4, 2629; 1999 XW₁₄₃, 2, 1, 0; 1999 XG₁₆₅, 4, 2, 1917; 1999 XP₁₆₅, 4, 2, 895; 1999 XL₁₇₂, 2, 1, 0; 1999 XR₁₇₈, 2, 1, 0; 1999 XA₂₂₁, 2, 1, 0; 1999 XG₂₂₁, 2, 1, 0; 2000 AA₃₃, 6, 3, 14543; 2000 AB₅₂, 4, 2, 2; 2000 AM₆₄, 6, 3, 1777; 2000 AY₉₆, 2, 1, 0; 2000 AN₉₇, 4, 2, 1484; 2000 AO₉₉, 4, 2, 480; 2000 AZ₉₉, 4, 2, 1534; 2000 AW₁₂₄, 4, 2, 551; 2000 AJ₁₂₅, 5, 3, 15968; 2000 AW₁₂₆, 2, 1, 0; 2000 AH₁₂₈, 3, 2, 552; 2000 AU₁₂₈, 7, 4, 15921; 2000 AU₁₄₃, 4, 2, 13405; 2000 AU₁₄₄, 2, 1, 0; 2000 AU₁₉₅, 4, 2, 45; 2000 AK₂₄₃, 7, 4, 2620; 2000 AR₂₄₃, 6, 3, 2004; 2000 AT₂₄₃, 2, 1, 0; 2000 CV, 6, 3, 13228; 2000 CP₅₈, 2, 2, 8; 2000 CJ₉₄, 2, 1, 0; 2000 DE₃, 4, 2, 1506; 2000 ED₂₀, 2, 1, 0; 2000 EB₂₁, 2, 1, 0; 2000 EC₂₉, 2, 1, 0; 2000 EK₉₅, 3, 2, 1585; 2000 EJ₁₀₈, 5, 3, 1916; 2000 EQ₁₃₈, 4, 2, 2894; 2000 FC₃₇, 2, 1, 0; 2000 FK₃₉, 2, 1, 0; 2000 GL₅, 2, 1, 0; 2000 GN₁₄₀, 2, 1, 0; 2000 LC₁₆, 6, 3, 13131; [173, 50, 0*, 1950/04/17–1998/01/23]

{2} 1996 AC₄, 4, 2, 1475; 1997 XK₁₀, 3, 2, 19; 1998 WT, 4, 1, 0; 2000 ED₁₀₄, 3, 1, 0; [14, 4, 0*, 1955/04/16–1993/12/10]

{3} (15353), 1, 1, 0; [1, 1, 0*, 1996/04/09]

{4} 1987 KL, 2, 1, 0; 1987 QD, 4, 2, 31; 1989 WY₁, 2, 1, 0; 1990 DW, 2, 1, 0; 1990 UA₁, 2, 1, 0; 1990 XN, 2, 1, 0; 1991 CL, 2, 1, 0; 1991 RE₁₀, 2, 1, 0; 1992 SL₁, 2, 1, 0; 1992 UL₈, 4, 2, 48; 1993 LF, 2, 1, 0; 1993 OO₃, 2, 1, 0; 1993 RS, 2, 1, 0; 1994 TV₁₅, 2, 1, 0; 1995 BL, 2, 1, 0; 1997 UY₂, 2, 1, 0; 1997 WT₃₇, 2, 1, 0; 1997 WT₄₁, 4, 2, 442; 1997 YT₁, 2, 1, 0; 1997 YA₈, 2, 1, 0; 1997 YU₁₃, 2, 1, 0; 1998 BG₁₁, 2, 1, 0; 1998 DU, 2, 1, 0; 1998 FR₁₁, 2, 1, 0; 1998 FO₆₂, 2, 1, 0; 1998 FR₁₁₇, 2, 1, 0; 1998 QW₃₄, 2, 1, 0; 1998 UP₆, 4, 2, 2; 1998 VX₂₉, 2, 1, 0; 1998 WM₁, 2, 1, 0; 1999 CH₆₃, 4, 2, 935; 1999 CL₆₅, 2, 1, 0; 1999 GC₈, 2, 1, 0; 1999 RX₄₂, 2, 1, 0; 1999 SO₁₁, 2, 1, 0; 1999 VU₂₃, 2, 1, 0; 1999 XQ₈₆, 2, 1, 0; 2000 AB₉₈, 2, 1, 0; 2000 AB₂₄₃, 2, 1, 0; 2000 HD₂₂, 2, 1, 0; 2000 HG₃₀, 4, 2, 1501; 2000 LT₁₉, 2, 1, 0; 2000 NL₁₀, 4, 2, 14589; 4205 T-1, 2, 1, 0; (8567), 2, 1, 0; (15280), 2, 1, 0; [108, 47, 0*, 1949/11/19–1992/08/27]

{5} 1996 HH₁, 1, 1, 0; [1, 1, 0*, 1955/11/11]

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Observers A. Asami, D. J. Asher, S. Hashimoto, S. Isobe, S. Nakano, Y. Oshima,

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0.50-m $f/2.0$ reflector + CCD

GSC, USNO-A2.0

1987 KL₂, 2, 1, 0; 1990 RH₃, 2, 1, 0; 1992 WU₁, 3, 1, 0; 1993 OA₃, 2, 1, 0; 1996 GO₁₈, 2, 1, 0; 1997 XX₃, 2, 1, 0; 1998 YG₁, 3, 2, 1; 1999 AM₂₄, 3, 1, 0; 1999 GF₃₁, 3, 1, 0; 1999 JD₆, 2, 1, 0; 1999 JZ₄₃, 3, 1, 0; 1999 JD₄₈, 4, 2, 1; 1999 KA₈, 2, 1, 0; 2000 GJ₁₂₇, 5, 1, 0; 2000 GK₁₃₇, 8, 3, 15; 2000 KL₃₃, 3, 1, 0; 2000 LS₆, 2, 1, 0; 2000 LS₁₀, 2, 1, 0; 2000 LC₁₆, 2, 1, 0; 2000 LR₁₇, 2, 1, 0; 2000 LT₃₀, 2, 1, 0; 2000 MF₁, 10, 4, 19; 2000 MT₅, 2, 1, 0; 2000 NM, 10, 3, 2; 2000 NU₃ *, 4, 2, 1; 2000 NV₃ *, 6, 3, 2; 2000 NZ₅ *, 6, 3, 8; 2000 NA₆ *, 6, 3, 8; 2000 NB₆ *, 6, 3, 8; 2000 NC₂₀ *, 8, 3, 13; (395), 2, 1, 0; (397), 5, 1, 0; (417), 2, 1, 0; (476), 2, 1, 0; (654), 2, 1, 0; (682), 2, 1, 0; (1265), 2, 1, 0; (1605), 2, 1, 0; (1736), 2, 1, 0; (2382), 3, 1, 0; (2397), 2, 1, 0; (2911), 2, 1, 0; (4399), 6, 2, 1; (4479), 2, 1, 0; (5243), 3, 1, 0; (5380), 2, 1, 0; (5478), 2, 1, 0; (5810), 2, 1, 0; (7300), 4, 2, 1; (7549), 2, 1, 0; (10358), 2, 1, 0; (10688), 2, 1, 0; (10715), 2, 1, 0; (10967), 2, 1, 0; (11021), 2, 1, 0; [178, 55, 6*, 2000/06/19–2000/07/21]

327 Peking Observatory, Xinglong Station

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Zhongguancun, Peking 100101, Peoples Republic of China

[zj@bac.pku.edu.cn]

Observers J. Zhu, X. Zhou, X. M. Teng, C. H. Liu, X. Y. Li

Measurers X. Y. Li, X. M. Teng, C. H. Liu, J. Zhu

0.60-m Schmidt + CCD

1979 MD₇, 3, 1, 0; 1981 EK₃₀, 3, 1, 0; 1981 QB₃, 3, 1, 0; 1986 QU₁, 3, 1, 0; 1988 CN₅, 3, 1, 0; 1990 SH₇, 3, 1, 0; 1990 SF₁₃, 3, 1, 0; 1990 VL₄, 5, 1, 0; 1991 DP₂, 2, 1, 0; 1991 PP₂, 7, 2, 35; 1992 PH₄, 3, 1, 0; 1993 DV₂, 4, 1, 0; 1993 FN₃₄, 3, 1, 0; 1994 JY₃, 3, 1, 0; 1994 PR₂₂, 3, 1, 0; 1995 OR₁, 3, 1, 0; 1995 SQ₅₃, 3, 1, 0; 1995 VM₁, 4, 1, 0; 1996 JV₂, 4, 1, 0; 1996 TZ₁₁, 6, 2, 45; 1996 WK₃, 3, 1, 0; 1997 CN₄, 3, 1, 0; 1997 CN₁₂, 3, 1, 0; 1997 CE₂₈, 3, 1, 0; 1997 CO₂₈, 3, 1, 0; 1997 EB₆, 4, 1, 0; 1997 EK₃₆, 3, 1, 0; 1997 EX₄₂, 3, 1, 0; 1997 PK₃, 3, 1, 0; 1997 TL₂₁, 3, 1, 0; 1997 VC₈, 3, 1, 0; 1997 WN₃₃, 3, 1, 0; 1997 WO₃₄, 3, 1, 0; 1997 WH₅₄, 4, 1, 0; 1997 XF₇, 3, 1, 0; 1998 BU₁₅, 3, 1, 0; 1998 CB₅, 3, 1, 0; 1998 FL₅₀, 3, 1, 0; 1998 KD₆₃, 4, 1, 0; 1998 QV₈, 4, 1, 0; 1998 SK₁₁₄, 3, 1, 0; 1998 SC₁₁₅, 3, 1, 0; 1998 UQ₂₃, 3, 1, 0; 1998 UR₄₄, 3, 1, 0; 1998 VV₃₅, 3, 1, 0; 1998 VA₄₉ *, 3, 1, 0; 1998 VL₄₉, 3, 1, 0; 1998 WB₂₅, 3, 1, 0; 1998 WC₄₀, 3, 1, 0; 1998 WO₄₁, 3, 1, 0; 1998 XJ₆₄, 3, 1, 0; 1998 XT₇₅, 3, 1, 0; 1998 XS₉₈ *, 3, 1, 0; 1998 YL₃₁, 3, 1, 0; 1998 YR₃₁, 3, 1, 0; 1998 YB₃₂, 3, 1, 0; 1999 AG₃₈ *, 3, 1, 0; 1999 AS₃₈, 3, 1, 0; 1999 CM₂₂, 3, 1, 0; 1999 CB₅₄, 4, 1, 0; 1999 CU₈₂, 3, 1, 0; 1999 FM₁₉, 4, 1, 0; 1999 FS₂₇, 4, 1, 0; 1999 GB₅₇, 3, 1, 0; 1999 JC₂₂, 3, 1, 0; 1999 LL₉, 5, 1, 0; 1999 NF₄, 3, 1, 0; 1999 ND₁₀, 3, 1, 0; 1999 NQ₂₃, 3, 1, 0; 1999 NN₅₅, 6, 2, 12; 1999 RK₇, 3, 1, 0; 1999 RM₂₂, 3, 1, 0; 1999 RL₂₆, 3, 1, 0; 1999 RR₃₅, 3, 1, 0; 1999 RN₃₉, 4, 1, 0; 1999 RK₆₃, 3, 1, 0; 1999 RA₉₄, 3, 1, 0; 1999 RS₁₀₄, 4, 1, 0; 1999 RA₁₁₀, 3, 1, 0; 1999 RL₁₅₀, 3, 1, 0; 1999 RD₁₆₉, 3, 1, 0; 1999 RT₁₇₆, 3, 1, 0; 1999 RD₁₉₅, 6, 2, 13; 1999 RQ₁₉₈, 3, 1, 0; 1999 RR₂₀₀, 3, 1, 0; 1999 RU₂₃₀, 3, 1, 0; 1999 SH₆, 3, 1, 0; 1999 SG₇, 3, 1, 0; 1999 TG₂₇, 3, 1, 0; 1999 TH₃₀, 3, 1, 0; 1999 TT₇₃, 3, 1, 0; 1999 TV₁₃₇, 3, 1, 0; 1999 TB₂₁₆, 3, 1, 0; 1999 TH₂₆₀, 3, 1, 0; 1999 UK₂₄, 9, 2, 14; 1999 UF₄₁, 6, 2, 19; 1999 VU₂₃, 7, 2, 13; 1999 VJ₃₇, 3, 1, 0; 1999 VY₄₈, 3, 1, 0; 1999 VU₅₀, 3, 1, 0; 1999 VT₅₂, 3, 1, 0; 1999 VX₅₄, 3, 1, 0; 1999 VY₇₁, 3, 1, 0; 1999 VB₇₂, 4, 1, 0; 1999 VN₁₀₆, 6, 2, 52; 1999 VP₁₄₃, 3, 1, 0; 1999 VV₁₉₂, 4, 1, 0; 1999 VP₂₀₇, 3, 1, 0; 1999 WR₃, 3, 1, 0; 1999 XC, 6, 2, 21; 1999 XW₃, 3, 1, 0; 1999 XQ₂₃, 3, 1, 0; 1999 XG₃₃, 3, 1, 0; 1999 XC₃₄, 3, 1, 0; 1999 XR₄₂, 3, 1, 0; 1999 XK₄₇, 3, 1, 0; 1999 XV₇₀, 3, 1, 0; 1999 XF₇₄, 7, 2, 13; 1999 XT₈₂, 3, 1, 0; 1999 XN₈₃, 2, 1, 0; 1999 XK₈₆, 3, 1, 0; 1999 XV₉₁, 3, 1, 0; 1999 XK₉₂, 3, 1, 0; 1999 XA₉₃, 3, 1, 0; 1999 XE₉₃, 3, 1, 0; 1999 XC₉₆, 6, 2, 21; 1999 XQ₉₇, 3, 1, 0; 1999 XV₉₇, 3, 1, 0; 1999 XV₉₈, 3, 1, 0; 1999 XA₁₀₆, 3, 1, 0; 1999 XR₁₁₈, 3, 1, 0; 1999 XV₁₂₃, 3, 1, 0; 1999 XR₁₂₄, 3, 1, 0; 1999 XQ₁₂₇, 3, 1, 0; 1999 XW₁₂₇, 3, 1, 0; 1999 XL₁₄₃, 3, 1, 0; 1999 XB₁₅₁, 3, 1, 0; 1999 XW₁₆₃, 6, 1, 0; 1999 XK₁₆₅, 3, 1, 0; 1999 XH₁₇₁, 3, 1, 0; 1999 XU₁₇₆, 3, 1, 0; 1999 XT₁₈₃, 3, 1, 0; 1999 XM₁₉₁, 3, 1, 0; 1999 XW₂₀₂, 3, 1, 0; 1999 XH₂₀₄, 3, 1, 0; 1999 XK₂₀₆, 3, 1, 0; 1999 XB₂₂₈, 3, 1, 0; 1999 YY, 3, 1, 0; 2000 AG, 3, 1, 0; 2000 AA₅, 3, 1, 0; 2000 AT₅₀, 3, 1, 0; 2000 AZ₈₄, 3, 1, 0; 2000 AB₈₅, 6, 1, 0; 2000 AA₉₀, 3, 1, 0; 2000 AL₉₀, 3, 1, 0; 2000 AE₉₅, 3, 1, 0; 2000 AC₉₈, 9, 2, 21; 2000 AF₁₀₄, 3, 1, 0; 2000 AM₁₀₅, 3, 1, 0; 2000 AM₁₁₀, 3, 1, 0; 2000 AX₁₁₁, 3, 1, 0; 2000 AS₁₂₀, 3, 1, 0; 2000 AH₁₂₁, 3, 1, 0; 2000 AQ₁₃₆, 3, 1, 0; 2000 AA₁₄₂, 3, 1, 0; 2000 AE₁₄₇, 3, 1, 0; 2000 AV₁₅₈, 3, 1, 0; 2000 AN₁₆₇, 3, 1, 0; 2000 AK₁₈₅, 3, 1, 0; 2000 AL₁₉₈, 3, 1, 0; 2000 AJ₂₀₀, 3, 1, 0; 2000 AJ₂₃₁, 3, 1, 0; 2000 AQ₂₃₈, 6, 2, 28;

2000 BV₁₆, 3, 1, 0; 2000 CO₃₁, 4, 1, 0; 2000 CC₃₄, 3, 1, 0; 2000 CA₅₀, 3, 1, 0; 2000 CM₅₁, 3, 1, 0; 2000 CN₅₃, 3, 1, 0; 2000 CC₅₉, 3, 1, 0; 2000 CW₆₆, 3, 1, 0; 2000 CC₈₂, 3, 1, 0; 2000 CM₈₇, 4, 1, 0; 2000 CH₁₀₀, 3, 1, 0; 2000 CS₁₀₃, 3, 1, 0; 2000 DL₇, 3, 1, 0; 2000 DN₁₆, 4, 1, 0; 2000 DJ₁₇, 3, 1, 0; 2000 DU₆₉, 3, 1, 0; 2000 DT₁₁₀, 3, 1, 0; 2000 EX₃, 3, 1, 0; 2000 ED₅₀, 3, 1, 0; 2000 EY₆₇, 3, 1, 0; 2000 EC₈₃, 3, 1, 0; 2000 EJ₁₆₉, 3, 1, 0; 2000 EB₁₈₆, 3, 1, 0; 2000 FQ₉, 3, 1, 0; 2000 FJ₂₀, 3, 1, 0; 2000 FJ₃₆, 3, 1, 0; 2000 FJ₃₅, 3, 1, 0; 2000 FN₄₄, 3, 1, 0; 2000 GP₆₀, 3, 1, 0; 2000 GD₇₁, 3, 1, 0; 2000 GZ₉₀, 3, 1, 0; 2000 GU₉₄, 3, 1, 0; 2000 GZ₁₀₄, 7, 2, 19; 2000 GM₁₁₀, 3, 1, 0; 2000 GU₁₃₆, 4, 1, 0; 2000 HM₇, 3, 1, 0; 2000 HR₄₀, 3, 1, 0; 2000 HX₅₂, 3, 1, 0; 2000 HU₆₁, 3, 1, 0; 2000 JP₁₇, 3, 1, 0; 2000 JQ₂₈, 3, 1, 0; 2000 JG₃₆, 3, 1, 0; 2000 JS₄₇, 3, 1, 0; 2000 JC₅₇, 3, 1, 0; 2000 KX₁₇, 3, 1, 0; 2000 KO₄₈, 6, 2, 16; 2000 LC₈, 3, 1, 0; 2000 LZ₂₀, 3, 1, 0; 2000 LD₃₅, 4, 1, 0; 2000 MB₁, 3, 1, 0; 2601 P-L, 3, 1, 0; 6230 P-L, 3, 1, 0; 6246 P-L, 4, 1, 0; 2183 T-1, 3, 1, 0; 4131 T-1, 3, 1, 0; 1354 T-2, 3, 1, 0; 2465 T-3, 3, 1, 0; 3465 T-3, 3, 1, 0; 4380 T-3, 3, 1, 0; (15529), 3, 1, 0; [784, 234, 3*, 1995/07/16–1999/10/29]

344 Bohyunsan Optical Astronomy Observatory

M.-Y. Chun, Korea Astronomy Observatory, San 36-1, Wha-am Dong, Yu-sung

Gu, Daejeon 305-348, Korea [mychun@boao.re.kr]

Observers B.-G. Park, B.-C. Lee, H.-S. Woo, S.-L. Kim, Y.-H. Park, Y.-B. Jeon,

S.-H. Lee

Measurer M.-Y. Chun

1.8-m $f/8$ reflector + CCD

GSC, USNO-A2.0

2000 FY₃₅, 4, 1, 0; 2000 GV₆₄, 3, 1, 0; 2000 HL₆₉, 11, 3, 5; 2000 KJ₄, 3, 1, 0; 2000 MU₁, 3, 1, 0; 2000 MV₁, 3, 1, 0; [27, 6, 0*, 2000/06/28–2000/07/03]

347 Utsunomiya-Imaizumi

M. Suzuki, 301 Mezon-do-Daihachi, 1571 Imaizumi-cho, Utsunomiya, Tochigi-ken

321-0962, Japan [msuzuki@mb.infoweb.ne.jp]

0.20-m $f/9.0$ Schmidt-Cassegrain + CCD

GSC-ACT

2000 NM, 7, 2, 13; [7, 1, 0*, 2000/07/08–2000/07/21]

349 Ageo

K. Kadota, 77-1-3-12-204, Koshikiya, Ageo, Saitama-ken, 362-0064 Japan [kenic-

k@astroarts.co.jp]

0.18-m $f/5.5$ reflector + CCD

GSC-ACT

1999 JD₆, 3, 1, 0; 2000 NM, 9, 2, 5; (2060), 3, 1, 0; [15, 3, 0*, 2000/07/01–2000/07/08]

351 Sakamoto

Y. Kitamura, 1-52, Sakamoto 7 Chome, Ohtsu, Shiga-Ken 520-0113, Japan

[kitaobs@gold.ocn.ne.jp]

0.15-m $f/7.0$ lens + CCD

GSC

2000 NM, 2, 1, 0; [2, 1, 0*, 2000/07/08]

355 Hadano

A. Asami, 28-1 Nishitawara, Hadano, Kanagawa-Ken, 257 Japan

[asami@st.rim.or.jp]

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

GSC

2000 GK₁₃₇, 6, 2, 2; 2000 LC₁₆, 3, 1, 0; 2000 NM, 7, 2, 2; 2000 NX₃, 4, 1, 0; [20, 4, 0*, 2000/07/06–2000/07/08]

358 Nanyou

T. Okuni, 158-28, Mitsuma-dori, Nanyou, Yamagata-Ken, 999-22 Japan

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

GSC

2000 NO₁₁, 5, 2, 2; [5, 1, 0*, 2000/07/06–2000/07/08]

360 Kuma Kogen Astronomical Observatory

A. Nakamura, Shimo-Hatanokawa, Kuma, Kamiukena-Gun, Ehime-Ken, 791-1212
Japan [a-nakamu@mx2.nisiq.net]

0.60-m $f/5.8$ Ritchey-Chrétien + CCD

GSC-ACT, USNO-A2.0

1991 PM₅, 3, 1, 0; 1995 OX₆, 2, 5; 1998 BB₁₀, 3, 1, 0; 1999 BG₇, 6, 2, 8; 1999 JD₆, 3, 1, 0; 1999 KW₄, 3, 1, 0; 2000 EZ₁₄₈, 3, 1, 0; 2000 JA₃, 6, 2, 22; 2000 JD₁₈, 2, 1, 0; 2000 JQ₆₆, 3, 1, 0; 2000 JT₆₆, 3, 1, 0; 2000 KC₃, 3, 1, 0; 2000 KL₃₃, 6, 2, 22; 2000 KO₄₄, 3, 1, 0; 2000 LL₃, 3, 1, 0; 2000 LM₆, 6, 2, 13; 2000 LF₆, 3, 1, 0; 2000 LY₂₇, 3, 1, 0; 2000 NM₆, 6, 2, 13; (1531), 3, 1, 0; [77, 20, 0*, 2000/06/25-2000/07/22]

372 Geisei

T. Seki, Kamimachi 2-9-35, Kochi-Shi, Kochi-Ken 780, Japan

0.60-m $f/3.5$ reflector

GSC

1996 YQ₁, 2, 1, 0; [2, 1, 0*, 1993/02/22]

376 Uenohara

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

0.30-m reflector + CCD

GSC

1994 PA₁₇, 2, 1, 0; 1998 WR₃₄, 2, 1, 0; [4, 2, 0*, 1998/11/19-1998/11/25]

381 Kiso

S. Isobe, National Astronomical Observatory, Mitaka, Tokyo 181, Japan

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Observers S. Isobe, Y. Asakura, M. Saito, K. Sasahara, H. Maehara, K. Nakajima,
N. Ohshiba

Measurer D. J. Asher

1.05-m Kiso Schmidt + CCD

GSC

2000 AV₂₄₂, 11, 3, 2; [11, 1, 0*, 1999/12/29-1999/12/31]

391 Sendai Astronomical Observatory, Ayashi Station

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

0.30-m $f/3.8$ reflector

GSC

(15519), 2, 1, 0; [2, 1, 0*, 1993/11/15]

398 Nagatoro

I. Daimajin, 1-1-1 Aoyama, Minatoku, Tokyo 107, Japan

[daimajin@oaa.iiijnet.or.jp]

0.25-m $f/4.0$ reflector + CCD

GSC

1993 FJ₂₉, 2, 1, 0; [2, 1, 0*, 1994/08/13]

402 Dynic Astronomical Observatory

A. Sugie, Dynic Astronomical Observatory, Taga 283-1, Taga, Inukami-Gun, Shiga-Ken, 522-0341 Japan [hhf00201@niftyserve.or.jp]

Observers A. Sugie, Y. Ikari

0.60-m $f/5.0$ reflector + CCD

GSC

1991 PM₅, 3, 1, 0; 1996 KG₃, 3, 1, 0; 1999 JD₆, 3, 1, 0; 1999 VZ₁₈₄, 3, 1, 0; 2000 AX₁₁₅, 2, 1, 0; 2000 DY₁₅, 4, 1, 0; 2000 GH₇₄, 3, 1, 0; 2000 GK₁₃₇, 3, 1, 0; 2000 JD₃₇, 2, 1, 0; 2000 JQ₆₆, 3, 1, 0; 2000 KL₃₃, 3, 1, 0; 2000 LM₆, 6, 2, 16; 2000 LC₁₆, 3, 1, 0; 2000 MU₁, 6, 2, 2; 2000 NM₁₀, 3, 1, 0; (433), 3, 1, 0; (4179), 2, 1, 0; (6266), 3, 1, 0; (12929), 3, 1, 0; (14402), 3, 1, 0; [71, 20, 0*, 1997/07/19-2000/07/19]

413 Siding Spring

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C.-I. Lagerkvist, Uppsala Observatory, Box 515, S-75120 Uppsala, Sweden
[classe@astro.uu.se] (8)

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

Measurers R. H. McNaught, O. Hernius

1.2-m U.K. Schmidt, 1.0-m $f/8$ reflector + CCD

USNO-A2.0, PPM, GSC-ACT, UCAC-1

{1} 1997 TT₂₅, 13, 2, 2; 1997 WU₂₂, 6, 2, 1; 1998 KC₅₀, 1, 1, 0; 1998 NF₂, 2, 1, 0; 1999 KV₄, 10, 3, 26; 1999 XC₁₃₆, 2, 1, 0; 1999 XG₁₃₆, 2, 1, 0; 1999 YD₃, 3, 1, 0; 2000 AX₉₃, 3, 1, 0; 2000 AU₂₄₂, 3, 1, 0; 2000 BG₁₉, 3, 1, 0; 2000 BL₁₉, 2, 1, 0; 2000 CM₃₃, 1, 1, 0; 2000 CO₁₀₁, 3, 1, 0; 2000 DN₁, 3, 1, 0; 2000 DV₉₉, 2, 1, 0; 2000 DP₁₀₇, 6, 2, 38; 2000 EH₂₆, 6, 2, 14; 2000 EJ₃₇, 3, 1, 0; 2000 EA₁₀₇, 3, 1, 0; 2000 EB₁₀₇, 6, 2, 15; 2000 EZ₁₄₈, 3, 1, 0; 2000 FL₁₀, 3, 1, 0; 2000 FN₁₀, 9, 3, 16; 2000 FK₄₆, 3, 1, 0; 2000 GV₁₂₇, 6, 2, 15; 2000 GX₁₂₇, 2, 1, 0; 2000 GS₁₄₆, 3, 2, 15; 2000 GV₁₄₇, 5, 2, 14; 2000 HW₂₃, 3, 1, 0; 2000 HZ₂₃, 2, 1, 0; 2000 HD₇₄, 2, 1, 0; 2000 JF₁, 5, 3, 16; 2000 JA₃, 3, 1, 0; 2000 JQ₃, 3, 1, 0; 2000 JE₅, 3, 1, 0; 2000 JH₅, 3, 1, 0; 2000 JJ₅, 4, 1, 0; 2000 JB₆, 9, 3, 38; 2000 JY₈, 2, 1, 0; 2000 JN₁₀, 6, 2, 2; 2000 JU₁₇, 2, 1, 0; 2000 JS₆₆, 6, 2, 17; 2000 JT₆₆, 3, 1, 0; 2000 JO₇₈, 9, 3, 17; 2000 KA₃, 3, 1, 0; 2000 KC₈, 8, 3, 37; 2000 KL₃₃, 6, 2, 2; 2000 KE₄₁, 13, 4, 33; 2000 KW₄₃, 3, 1, 0; 2000 KN₄₄, 8, 2, 33; 2000 KO₄₄, 3, 1, 0; 2000 LM₆, 6, 2, 37; 2000 LD₃, 2, 1, 0; 2000 LF₆, 8, 4, 16; 2000 LK₁₀, 7, 2, 33; 2000 LY₁₄, 5, 2, 32; 2000 LB₁₆, 6, 2, 1; 2000 LC₁₆, 6, 2, 2; 2000 LY₁₆, 3, 1, 0; 2000 LY₂₇, 3, 1, 0; 2000 MU₁, 13, 5, 16; 2000 NM₄, 2, 2; 2000 NX₃, 9, 3, 14; 2000 ND₁₀ *, 9, 4, 16; 2000 NE₁₀ *, 9, 4, 16; 2000 NF₁₁, 2, 1, 0; 2000 NG₁₁, 8, 3, 12; 2000 NQ₁₁, 11, 4, 14; (12711), 7, 2, 1; [344, 70, 2*, 1989/12/20-2000/07/24]

{8} 1996 EK₁₅, 1, 1, 0; [1, 1, 0*, 1993/04/16]

423 North Ryde

S. G. McAndrew, 2/32 Twin Rd, North Ryde, NSW 2113, Australia

[sgmccandrew@ozemail.com.au]

0.20-m $f/4$ hyperbolic astrograph + CCD

GSC

1988 RN₄, 3, 1, 0; 1992 OV₁, 2, 1, 0; 1993 TC₄, 4, 2, 1; 1994 EV₇, 2, 1, 0; 1995 WU₆, 2, 1, 0; 1996 EL₇, 2, 1; 1997 UC₇, 3, 1, 0; 1999 AR₄, 1, 0; 1999 CM₈, 10, 3, 37; 1999 CT₁₀₁, 5, 2, 3; 1999 CV₁₂₃, 1, 1, 0; 1999 DV₃, 3, 1, 0; 1999 FG₉, 6, 2, 9; 1999 FS₉, 2, 1, 0; 1999 GM₁₉, 2, 1, 0; [56, 15, 0*, 2000/06/05-2000/07/21]

424 Macquarie, near Canberra

J. B. Child, 7 DeGillern Place, Macquarie, ACT 2614, Australia

[jbbchild@pcug.org.au]

Observer J. B. Child

Measurers J. B. Child, J. E. Rogers

0.32-m $f/4.8$ reflector + CCD

2000 AY₄₀, 2, 1, 0; [2, 1, 0*, 1996/02/18]

426 Woomera

F. B. Zoltowski, Tebbutt Observatory, 70 Abajo Dr., Edgewood, NM 87015, U.S.A.

[fbzolt@compuserve.com]

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

USNO-SA2.0

1999 RB₂₅₀, 3, 1, 0; [3, 1, 0*, 1999/09/16]

428 Reedy Creek

J. Broughton, 18 Branch Crescent, Reedy Creek, QLD 4228, Australia

[reedycrk@one.net.au]

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

GSC-ACT, USNO-SA1

1996 PF₃, 2, 1, 0; 1996 RC₅, 2, 1, 0; 1997 PD₆, 1, 1, 0; 1997 WV₂₁, 3, 2, 1; 1998 AL₁₀, 2, 1, 0; 1999 CU₉, 4, 2, 19; 1999 DE₂, 1, 1, 0; 1999 EG, 1, 1, 0; 1999 EJ₅, 4, 2, 4; 1999 FO₂₁, 4, 2, 1; 1999 FV₃₂, 2, 1, 0; 1999 GA₅, 4, 2, 3; 1999 GX₅, 2, 1, 0; 1999 GH₁₈, 4, 2, 3; 1999 HG₁, 4, 2, 2; 1999 HD₃, 4, 2, 4; 1999 JK, 3, 2, 3; 1999 JN₇₅, 2, 1, 0; 2000 EC₄, 1, 1, 0; 2000 EC₁₅, 1, 1, 0; 2000 GV₁, 2, 1, 0; 2000 JL₄₀, 1, 1, 0; 2000 KD₄, 1, 1, 0; 2000 KF₄, 3, 2, 13; 2000 KV₅₀, 2, 1, 0; 2000 LP, 2, 1, 0; 2000 LR, 2, 1, 0; 2000 LT, 2, 1, 0; 2000 LU, 4, 2, 11; 2000 LV, 2, 1, 0; 2000 LN₁, 2, 1, 0; 2000 LZ₁, 2, 1, 0; 2000 LA₂, 4, 3, 12; 2000 LB₂, 2, 1, 0; 2000 LD₂, 2, 1, 0; 2000 LU₅, 6, 4, 40; 2000 LW₅, 2, 1, 0; 2000 LX₅, 2, 1, 0; 2000 LY₅, 3, 2, 11; 2000 LB₈, 4, 2, 1; 2000 LD₃₀, 3, 2, 1; 2000 MB *, 10, 5, 18; 2000 MD *, 7, 3, 4; 2000 ME *, 5, 3, 4; 2000 MG *, 7, 4, 12; 2000 MH *, 6, 3, 8; 2000 MU *, 7, 4, 13; 2000 MV *, 6, 3, 3; 2000 MW *, 7, 4, 11; 2000 MX *, 10, 6, 27; 2000 MY *, 8, 5, 11; 2000 MZ *, 5, 3, 3; 2000 MA₁ *, 6, 4, 10; 2000 MB₁ *, 7, 4, 12; 2000 MC₁ *, 4, 2, 4; 2000 MD₁ *, 4, 2, 2; 2000 MQ₁ *, 7, 5, 13; 2000 MR₁ *, 8, 4, 10; 2000 MW₁ *, 4, 2, 1; 2000 MX₁ *, 4, 3, 8; 2000 MY₁ *, 5, 3, 8; 2000 MC₂ *, 2, 2, 1; 2000 MD₂ *, 8, 5, 17; 2000 ME₂ *, 6, 3, 7; 2000 MF₂ *, 5, 3, 7; 2000 MG₂ *, 8, 4, 10; 2000 MH₂ *, 5, 3, 7; 2000 MX₂, 3, 2, 1; 2000 MY₂ *, 7, 4, 12; 2000 MZ₂ *, 3, 2, 1; 2000 MA₃ *, 5, 3, 7; 2000 NW₁ *, 8, 4, 11; 2000 NX₁ *, 6, 3, 11; 2000 NY₁ *, 5, 3, 11; 2000 NZ₁ *, 4, 3, 11; 2000 NA₂ *, 6, 4, 11; 2000 NB₂ *, 5, 3, 11; 2000 NC₂ *, 6, 3, 11; 2000 NW₂ *, 7, 4, 10; 2000 NX₃, 2, 1, 0; 2000 NH₁₀, 2, 1, 0; 2000 NJ₁₀, 2, 1, 0; 2000 NP₁₁, 4, 2, 1; 2000 NQ₁₁, 6, 3, 7; 2000 NR₁₁ *, 4, 2, 7; 2000 OD *, 5, 2, 1; 2000 OE *, 3, 2, 1; 2000 OF *, 4, 2, 1; (717), 2, 1, 0; (1085), 2, 1, 0; (2407), 1, 1, 0; (3655), 1, 1, 0; (5322), 2, 1, 0; (5338), 2, 1, 0; (10586), 2, 1, 0; [374, 95, 41*, 1999/10/21–2000/07/23]

461 JATE Asteroid Survey, Piskésetető Stn. (Konkoly)

L. Kiss, Pf. 596, H-6701 Szeged, Hungary [l.kiss@physx.u-szeged.hu]

Observers K. Sárneczky, K. Sziládi, L. Kiss, S. Csizmadia

Measurers K. Sárneczky, K. Sziládi, L. Kiss

0.60-m Schmidt + CCD

USNO-A2.0

1999 VY₁₆₇, 3, 1, 0; 2000 AB₁₆₀, 3, 1, 0; 2000 AP₂₄₆ *, 3, 1, 0; 2000 AT₂₄₆ *, 3, 1, 0; 2000 BM₁₅, 2, 1, 0; 2000 BP₃₁ *, 6, 2, 4; [20, 6, 3*, 1999/12/31–2000/02/02]

467 Auckland Observatory

I. P. Griffin, Auckland Observatory, P.O. Box 24-180, Royal Oak, Auckland, New Zealand [iang@stardome.org.nz]

Observers I. P. Griffin, N. Brady

0.50-m $f/6.4$ Cassegrain reflector + CCD

USNO-A2.0

2000 NX₃, 10, 1, 0; [10, 1, 0*, 2000/07/08]

474 Mount John

I. P. Griffin, Auckland Observatory, P.O. Box 24-180, Royal Oak, Auckland, New Zealand [iang@stardome.org.nz]

Observers I. P. Griffin, N. Brady

1.0-m $f/6.7$ McClellan reflector + CCD

USNO-A2.0

2000 LC₁₆, 5, 1, 0; [5, 1, 0*, 2000/06/26]

517 Geneva

R. Behrend, Geneva Observatory, CH-1290 Sauverny, Switzerland

[Raoul.Behrend@Obs.UniGe.ch]

Observers R. Behrend, Y. Revaz

Measurer R. Behrend

0.20-m $f/10.0$ reflector + CCD

Tycho-2

(727), 4, 1, 0; (1263), 8, 1, 0; [12, 2, 0*, 2000/06/26–2000/07/21]

540 Linz

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

[erich.meyer@oenet.at]

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

Measurer E. Meyer

0.60-m $f/3.3$ reflector + CCD

USNO-A2.0, USNO-SA2.0

1994 AW₁, 4, 1, 0; 1997 UC₁, 3, 1, 0; 1998 BQ, 5, 1, 0; 1999 VQ₁₆₉, 3, 1, 0; 2000 CX₁₁₆, 4, 1, 0; 2000 ES₅₆, 4, 1, 0; 2000 JZ₈, 4, 1, 0; 2000 JT₆₆, 3, 1, 0; 2000 LL, 7, 2, 9; 2000 MU₁, 3, 1, 0; 2000 NL₁₀, 3, 1, 0; [43, 11, 0*, 1996/02/24–2000/07/22]

541 Stefanik Observatory, Prague-Petrin

J. Manek, Stefanik Observatory, Petrin 205, Praha 1, CZ-11846, Czech Republic

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0.41-m $f/6.0$ Schmidt-Cassegrain + CCD

GSC-ACT

2000 NM, 6, 2, 2; [6, 1, 0*, 2000/07/04–2000/07/06]

552 San Vittore

E. Colombini, Via S. Vittore 44, I-40136 Bologna, Italy

[ermes.colombini@iol.it]

Observers G. Sassi, E. Colombini, R. Di Luca

0.45-m $f/3.3$ reflector + CCD

GSC

1997 TN₂₈, 2, 1, 0; 1998 WB₄₂ *, 2, 1, 0; 1999 BP₉, 2, 1, 0; 1999 BW₃₄ *, 4, 2, 1; (15388), 2, 1, 0; [12, 5, 2*, 1997/11/03–2000/06/21]

557 Ondřejov

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Observers P. Pravec, L. Šarounová, P. Kušnirák, P. Vaca, M. Wolf

0.65-m $f/3.6$ reflector + CCD

USNO-SA2.0

1991 PM₅, 3, 1, 0; 1993 FM₆₂, 3, 1, 0; 1995 DS₈, 3, 2, 3; 1996 QD, 6, 2, 2; 1997 AD₁₈, 7, 4, 13; 1997 PD₃, 5, 2, 6; 1997 RA₉, 7, 3, 26; 1997 RV₁₀, 2, 1, 0; 1997 SX₁, 4, 1, 0; 1997 TG₁₀, 10, 4, 23; 1997 TN₁₉, 2, 1, 0; 1997 UF, 4, 2, 5; 1997 UH, 5, 1, 0; 1997 UT, 7, 3, 13; 1997 UV₇, 2, 2, 6; 1997 UX₇, 4, 2, 1; 1997 VM₆, 7, 3, 25; 1998 AW₈, 4, 2, 6; 1998 DF₂₀, 6, 3, 5; 1998 VM₅₅, 4, 1, 0; 1998 XZ₁₆, 2, 1, 0; 1998 YC₃₂, 3, 1, 0; 1999 AT₃₈ *, 5, 2, 5; 1999 CJ₁₄, 1, 1, 0; 1999 GD₅₀, 2, 1, 0; 1999 JS₈₁, 4, 1, 0; 1999 KW₄, 19, 5, 9; 1999 RO₁₅₂, 3, 1, 0; 1999 SH₁₄, 1, 1, 0; 1999 SC₂₂ *, 3, 1, 0; 1999 SG₂₂ *, 3, 1, 0; 1999 SK₂₂, 1, 1, 0; 1999 SA₂₄ *, 4, 1, 0; 1999 TJ₈₈, 2, 1, 0; 1999 TC₂₂₆, 3, 1, 0; 1999 TV₂₃₄, 2, 1, 0; 1999 TO₂₄₉, 2, 1, 0; 1999 TF₂₉₆ *, 2, 1, 0; 1999 TZ₃₁₀ *, 2, 1, 0; 1999 TC₃₁₆, 3, 1, 0; 1999 UF₅₃, 2, 1, 0; 1999 UM₅₈ *, 3, 1, 0; 1999 VN₆₀, 2, 1, 0; 1999 XW₃₀, 2, 1, 0; 1999 XH₂₁₃, 3, 1, 0; 1999 XS₂₄₀, 2, 1, 0; 1999 XW₂₄₀, 4, 1, 0; 2000 AU₃₁, 2, 1, 0; 2000 EP₁₈₆ *, 3, 1, 0; 2000 FK₅₁, 4, 2, 17; 2000 GK₁₃₇, 11, 3, 24; 2000 HJ₁₃, 2, 1, 0; 2000 HB₂₁, 5, 1, 0; 2000 HO₄₄, 3, 1, 0; 2000 HD₉₈ *, 2, 1, 0; 2000 JD₅₆, 3, 1, 0; 2000 JQ₆₆, 9, 2, 22; 2000 KG₁, 3, 1, 0; 2000 KM₄₁, 9, 3, 26; 2000 KW₄₃, 3, 1, 0; 2000 KY₄₃, 2, 1, 0; 2000 KJ₅₉, 2, 1, 0; 2000 KF₈₃, 2, 1, 0; 2000 LM, 2, 1, 0; 2000 LZ, 4, 2, 7; 2000 LP₈, 3, 1, 0; 2000 LB₁₅, 7, 3, 16; 2000 LJ₃₆, 3, 1, 0; 2000 LT₃₆ *, 3, 2, 2; 2000 MC₃ *, 6, 3, 5; 2000 NM, 17, 2, 3; 2000 NT₂ *, 8, 3, 7; 2000 NU₂ *, 11, 4, 18; 2000 NV₂ *, 6, 2, 1; 2000 NF₁₀ *, 6, 2, 5; 2000 NH₁₀, 3, 1, 0; 2000 NJ₁₀, 3, 1, 0; 2000 NK₁₀, 3, 1, 0; 2000 NL₁₀, 4, 1, 0; 2000 NE₁₁ *, 7, 3, 11; 2000 NF₁₁, 6, 2, 1; 2000 NG₁₁, 2, 1, 0; 2000 OG, 3, 1, 0; (1539), 3, 1, 0; (2175), 2, 1, 0; (4314), 2, 1, 0; [359, 86, 16*, 1995/11/21–2000/07/23]

561 Piskésetető Stn. (Konkoly)

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0.60-m Schmidt telescope + CCD

USNO-A2.0

1981 EE₁₇, 7, 2, 2; 1997 WK₂, 3, 1, 0; 1998 QE₅₆, 3, 1, 0; 1998 WV₃₃, 12, 1, 0; 1998 XJ₉₉ *, 3, 1, 0; 1999 AE₇, 9, 3, 2; 1999 FY₂₁, 3, 1, 0; 1999 TU₁₆₈, 3, 1, 0; 2000 CQ₅₈, 5, 2, 4; 2000 DR₅₈, 3, 1, 0; 2000 EX₈₇, 12, 1, 0; 2000 FM₃₇, 3, 1, 0; 2000 GV₁₀₇, 3, 1, 0; 2000 GE₁₃₇, 9, 3, 2; 2000 HA₃₆, 3, 1, 0; 2000 LD₃, 6, 1, 0; 2000 LF₃, 11, 2, 1; 2000 LF₆, 15, 3, 2; [113, 18, 1*, 1998/11/25–2000/06/12]

566 Haleakala-NEAT/GEODSS

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Observers E. F. Helin, S. H. Pravdo, K. J. Lawrence, D. L. Rabinowitz, S. Groom,

C. Clark, R. Bamberg, S. Levin, J. Lorre, S. Shaklan, R. Byrd, A. Esquibel,

C. Cotton, D. Bascon

1-m $f/2.2$ Ritchey-Chrétien + CCD

1978 VT₁, 3, 1, 0; 1981 ES₃, 3, 1, 0; 1981 ED₂₆, 3, 1, 0; 1981 EM₃₉, 3, 1, 0; 1988 CR₂, 3, 1, 0; 1990 KJ, 3, 1, 0; 1990 SD₂, 3, 1, 0; 1990 UD₂, 3, 1, 0; 1991 AL, 3, 1, 0; 1991 GK₁, 3, 1, 0; 1991 PW₁₈, 3, 1, 0; 1992 CZ₂, 3, 1, 0; 1992 LL, 3, 1, 0; 1992 SR₂₄, 3, 1, 0; 1994 AE, 3, 1, 0; 1994 PV₈, 6, 2, 31; 1994 PA₁₇, 3, 1, 0; 1994 PV₂₉, 3, 1, 0; 1994 VS, 6, 2, 505; 1994 WX₁, 3, 1, 0; 1995 BA₁, 3, 1, 0; 1995 DU, 3, 1, 0; 1995 KE₂, 3, 1, 0; 1995 QC₄, 3, 1, 0; 1995 SX₂, 3, 1, 0; 1995 SD₄₄, 3, 1, 0; 1995 TO₁, 3, 1, 0; 1996 GU₁, 3, 1, 0; 1996 GR₁₇, 3, 1, 0; 1996 GO₁₈, 3, 1, 0; 1996 HM₁₃, 3, 1, 0; 1996 HY₂₃, 3, 1, 0; 1996 NM₃, 6, 2, 23; 1996 PQ₂, 3, 1, 0; 1996 PY₈, 3, 1, 0; 1996 RS₁₁, 3, 1, 0; 1996 RT₂₅, 3, 1, 0; 1996 SF₇, 3, 1, 0; 1996 TZ₁₃, 3, 1, 0; 1996 TD₃₉, 3, 1, 0; 1996 TF₃₉, 3, 1, 0; 1996 TR₄₁, 3, 1, 0; 1996 TB₅₁, 3, 1, 0; 1996 TA₅₅, 3, 1, 0; 1996 TE₆₈, 3, 1, 0; 1996 XE₃₃, 3, 1, 0; 1997 EH₁₃, 3, 1, 0; 1997 EM₂₁, 3, 1, 0; 1997 EL₅₀, 3, 1, 0; 1997 HB₁₄, 3, 1, 0; 1997 NU₄, 3, 1, 0; 1997 NH₁₀, 3, 1, 0; 1997 SU₃₄, 3, 1, 0; 1997 TE₁₂, 3, 1, 0; 1997 TB₂₈, 3, 1, 0; 1997 WW₂₂, 3, 1, 0; 1997 WT₄₁, 3, 1, 0; 1997 WA₄₂, 3, 1, 0; 1997 WC₄₂, 3, 1, 0; 1997 WH₅₄, 3, 1, 0; 1997 WQ₅₈, 3, 1, 0; 1997 XV, 3, 1, 0; 1997 XB₈, 3, 1, 0; 1997 YP₃, 3, 1, 0; 1997 YU₁₉, 3, 1, 0; 1998 AU₈, 3, 1, 0; 1998 BD₄, 3, 1, 0; 1998 BP₅, 3, 1, 0; 1998 BF₂₂, 3, 1, 0; 1998 CL₄, 3, 1, 0; 1998 CB₅, 3, 1, 0; 1998 CG₅, 3, 1, 0; 1998 FR₁₆, 3, 1, 0; 1998 FH₁₈, 3, 1, 0; 1998 FW₂₂, 6, 1, 0; 1998 FK₂₆, 3, 1, 0; 1998 FJ₂₈, 6, 2, 524; 1998 FV₂₈, 3, 1, 0; 1998 FW₃₆, 3, 1, 0; 1998 FO₅₀, 3, 1, 0; 1998 FX₆₅, 3, 1, 0; 1998 FV₈₄, 3, 1, 0; 1998 FW₉₄, 3, 1, 0; 1998 FW₁₂₅, 3, 1, 0; 1998 FS₁₂₆, 6, 2, 65; 1998 HD₂₃, 3, 1, 0; 1998 HY₆₁, 3, 1, 0; 1998 HF₇₉, 3, 1, 0; 1998 HU₉₀, 3, 1, 0; 1998 HR₁₀₃, 3, 1, 0; 1998 HC₁₀₆, 3, 1, 0; 1998 HQ₁₂₁, 3, 1, 0; 1998 HE₁₂₅, 3, 1, 0; 1998 HM₁₂₈, 3, 1, 0; 1998 HY₁₃₆, 3, 1, 0; 1998 JC₃, 3, 1, 0; 1998 KQ₁₉, 3, 1, 0; 1998 KZ₅₆, 3, 1, 0; 1998 QB₆, 3, 1, 0; 1998 QA₁₀, 3, 1, 0; 1998 QU₃₁, 3, 1, 0; 1998 QV₃₁, 3, 1, 0; 1998 QC₃₇, 3, 1, 0; 1998 QH₄₅, 3, 1, 0; 1998 QR₇₆, 3, 1, 0; 1998 QD₉₄, 3, 1, 0; 1998 RD₅₉, 6, 2, 31; 1998 SX₁₀, 3, 1, 0; 1998 SE₁₂, 3, 1, 0; 1998 SN₃₇, 3, 1, 0; 1998 SN₁₃₂, 3, 1, 0; 1998 SS₁₄₄, 3, 1, 0; 1998 SR₁₆₃, 3, 1, 0; 1998 US₂₀, 3, 1, 0; 1998 UY₃₂, 3, 1, 0; 1998 UM₄₁, 3, 1, 0; 1998 UL₄₃, 3, 1, 0; 1998 VZ₃₅, 3, 1, 0; 1998 VE₄₆, 3, 1, 0; 1998 VG₄₉, 3, 1, 0; 1998 VV₄₉, 3, 1, 0; 1998 VZ₄₉, 3, 1, 0; 1998 VD₅₀, 3, 1, 0; 1998 VE₅₀, 3, 1, 0; 1998 VF₅₀, 3, 1, 0; 1998 VH₅₀, 3, 1, 0; 1998 VK₅₀, 3, 1, 0; 1998 VL₅₀, 3, 1, 0; 1998 VN₅₀, 3, 1, 0; 1998 VA₅₁, 3, 1, 0; 1998 VB₅₁, 3, 1, 0; 1998 VC₅₁, 3, 1, 0; 1998 VD₅₁, 3, 1, 0; 1998 VE₅₁, 3, 1, 0; 1998 VH₅₂, 3, 1, 0; 1998 VJ₅₂, 3, 1, 0; 1998 VM₅₂, 3, 1, 0; 1998 VO₅₂, 3, 1, 0; 1998 VS₅₂, 3, 1, 0; 1998 VV₅₂, 3, 1, 0; 1998 VC₅₃, 3, 1, 0; 1998 VF₅₃, 3, 1, 0; 1998 VB₅₄, 3, 1, 0; 1998 VM₅₄, 3, 1, 0; 1998 VA₅₅, 3, 1, 0; 1998 VE₅₅, 3, 1, 0; 1998 VQ₅₅ *, 3, 1, 0; 1998 WK₁₁, 3, 1, 0; 1998 WU₁₁, 3, 1, 0; 1998 WY₁₁, 3, 1, 0; 1998 WE₂₁, 3, 1, 0; 1998 WS₂₁, 3, 1, 0; 1998 WY₂₃, 3, 1, 0; 1998 WN₄₂ *, 3, 1, 0; 1998 WO₄₂ *, 3, 1, 0; 1998 WP₄₂ *, 3, 1, 0; 1998 WQ₄₂ *, 3, 1, 0; 1998 WR₄₂ *, 3, 1, 0; 1998 WS₄₂ *, 3, 1, 0; 1998 WT₄₂ *, 3, 1, 0; 1998 WU₄₂ *, 3, 1, 0; 1998 XN₁₂, 3, 1, 0; 1998 XB₉₉, 3, 1, 0; 1998 YV₃, 3, 1, 0; 1999 AV₃₇, 3, 1, 0; 1999 CY₁₂, 3, 1, 0; 1999 CH₅₃, 3, 1, 0; 1999 CB₅₄, 6, 2, 561; 1999 CK₆₅, 6, 2, 32; 1999 CP₇₉, 3, 1, 0; 1999 CB₁₀₅, 3, 1, 0; 1999 CO₁₀₆, 3, 1, 0; 1999 CH₁₁₈, 3, 1, 0; 1999 CD₁₂₈, 3, 1, 0; 1999 CG₁₅₈, 3, 1, 0; 1999 CH₁₅₈, 3, 1, 0; 1999 DU₈, 3, 1, 0; 1999 DV₈, 3, 1, 0; 1999 DW₈, 3, 1, 0; 1999 DC₉ *, 3, 1, 0; 1999 DD₉ *, 3, 1, 0; 1999 EK₁₁, 3, 1, 0; 1999 ES₁₁, 3, 1, 0; 1999 EP₁₃, 3, 1, 0; 1999 FQ₂₂, 3, 1, 0; 1999 FD₂₃, 3, 1, 0; 1999 FS₂₇, 3, 1, 0; 1999 FJ₃₀, 3, 1, 0; 1999 FG₃₆, 3, 1, 0; 1999 FF₃₈, 3, 1, 0; 1999 FF₄₁, 3, 1, 0; 1999 FV₄₄, 3, 1, 0; 1999 FS₄₅, 3, 1, 0; 1999 FU₅₅, 3, 1, 0; 1999 FK₅₇, 3, 1, 0; 1999 GK₂₀, 6, 2, 27; 1999 GJ₂₃, 3, 1, 0; 1999 HU₁, 3, 1, 0; 1999 JL₃, 3, 1, 0; 1999 JE₈, 3, 1, 0; 1999 JO₁₂, 3, 1, 0; 1999 JG₁₈, 3, 1, 0; 1999 JT₃₇, 9, 3, 463; 1999 JQ₃₉, 6, 2, 32; 1999 JS₅₂, 3, 1, 0; 1999 JS₅₄, 3, 1, 0; 1999 JT₅₇, 6, 2, 31; 1999 JJ₇₇, 3, 1, 0; 1999 JD₇₉, 3, 1, 0; 1999 JZ₈₃, 6, 2, 29; 1999 JM₈₄, 3, 1, 0; 1999 JP₈₅, 6, 2, 32; 1999 JZ₈₉, 3, 1, 0; 1999 JE₉₀, 3, 1, 0; 1999 JR₉₁, 6, 2, 32; 1999 JB₉₈, 6, 2, 26; 1999 JO₁₀₀, 3, 1, 0; 1999 JP₁₀₄, 3, 1, 0; 1999 KA₈, 3, 1, 0; 1999 KV₉, 3, 1, 0; 1999 LC₄, 3, 1, 0; 1999 LD₅, 6, 2, 31; 1999 LH₁₀, 9, 3, 98; 1999 MJ, 3, 1, 0; 1999 NR₉, 6, 2, 24; 1999 NW₁₀, 6, 2, 28; 1999 NG₁₈, 3, 1, 0; 1999 NH₁₈, 9, 3, 61; 1999 NO₃₉, 3, 1, 0; 1999 NP₃₉, 3, 1, 0; 1999 NE₄₉, 3, 1, 0; 1999 NY₄₉, 3, 1, 0; 1999 NP₅₃, 3, 1, 0; 1999 NN₅₅, 3, 1, 0; 1999 OQ₂, 3, 1, 0; 1999 OA₅, 6, 2, 32; 1999 RB₁₃, 3, 1, 0; 1999 RX₃₈, 6, 2, 28; 1999 RK₅₃, 3, 1, 0; 1999 RM₈₇, 3, 1, 0; 1999 RT₁₀₂, 6, 2, 27; 1999 RO₁₀₅, 3, 1, 0; 1999 RH₁₁₂, 3, 1, 0; 1999 RZ₁₁₅, 6, 2, 28; 1999 RE₁₁₇, 3, 1, 0; 1999 RO₁₁₈, 6, 2, 32; 1999 RE₁₂₀, 6, 2, 530; 1999 RX₁₂₈, 3, 1, 0; 1999 RN₁₃₀, 6, 2, 28; 1999 RR₁₄₁, 3, 1, 0; 1999 RA₁₄₉, 3, 1, 0; 1999 RY₁₅₉, 3, 1, 0; 1999 RY₁₆₆, 9, 3, 529; 1999 RT₁₇₆, 3, 1, 0; 1999 RX₁₈₄, 3, 1, 0; 1999 RH₁₉₁, 3, 1, 0; 1999 RB₁₉₂, 3, 1, 0; 1999 RR₁₉₄, 3, 1, 0; 1999 RE₂₁₁, 3, 1, 0; 1999 RK₂₁₁, 3, 1, 0; 1999 RH₂₂₇, 3, 1, 0; 1999 RE₂₃₁, 3, 1, 0; 1999 RY₂₃₁, 3, 1, 0; 1999 SR₁₈, 3, 1, 0; 1999 TD₈, 3, 1, 0; 1999 TR₉₁, 3, 1, 0; 1999 TL₉₆, 3, 1, 0; 1999 TX₁₀₃, 3, 1, 0; 1999 TK₁₁₉, 3, 1, 0; 1999 TB₁₂₀, 3, 1, 0; 1999 TO₁₄₂, 3, 1, 0; 1999 TG₁₆₃, 3, 1, 0; 1999 TO₁₉₈, 3, 1, 0; 1999 TL₂₂₀, 3, 1, 0; 1999 TQ₂₄₈, 3, 1, 0; 1999 TA₂₄₉, 3, 1, 0; 1999 TM₂₇₀, 3, 1, 0; 1999 TY₂₇₀, 3, 1, 0; 1999 UF, 9, 2, 30; 1999 UV₁, 3, 1, 0; 1999 UR₃₈, 3, 1, 0; 1999 UE₃₉, 3, 1, 0; 1999 UF₄₁, 3, 1, 0; 1999 UD₄₂, 3, 1, 0; 1999 VY₈, 3, 1, 0; 1999 VL₂₂, 3, 1, 0; 1999 VQ₂₂, 3, 1, 0; 1999 VN₂₇, 3,

1, 0; 1999 VM₃₇, 3, 1, 0; 1999 VU₄₄, 3, 1, 0; 1999 VF₅₀, 3, 1, 0; 1999 VM₅₈, 3, 1, 0; 1999 VU₉₂, 3, 1, 0; 1999 VY₁₂₄, 3, 1, 0; 1999 VS₁₂₇, 3, 1, 0; 1999 VM₁₆₆, 3, 1, 0; 1999 VX₁₈₉, 3, 1, 0; 1999 VV₁₉₂, 3, 1, 0; 1999 VY₁₉₂, 3, 1, 0; 1999 VC₂₀₃, 3, 1, 0; 1999 VK₂₁₃, 3, 1, 0; 1999 WY₃, 3, 1, 0; 1999 WA₆, 3, 1, 0; 1999 WV₆, 3, 1, 0; 1999 XB₁, 3, 1, 0; 1999 XF₂, 3, 1, 0; 1999 XX₅, 3, 1, 0; 1999 XM₈, 3, 1, 0; 1999 XN₈, 3, 1, 0; 1999 XG₁₁, 3, 1, 0; 1999 XK₁₂, 3, 1, 0; 1999 XV₁₆, 3, 1, 0; 1999 XV₂₃, 3, 1, 0; 1999 XF₃₂, 3, 1, 0; 1999 XH₃₂, 3, 1, 0; 1999 XS₃₃, 3, 1, 0; 1999 XZ₃₄, 3, 1, 0; 1999 XS₃₆, 3, 1, 0; 1999 XZ₃₉, 3, 1, 0; 1999 XA₅₄, 3, 1, 0; 1999 XS₆₀, 3, 1, 0; 1999 XN₆₈, 3, 1, 0; 1999 XV₇₀, 6, 2, 25; 1999 XK₈₆, 3, 1, 0; 1999 XK₉₁, 3, 1, 0; 1999 XQ₉₁, 3, 1, 0; 1999 XW₉₃, 3, 1, 0; 1999 XG₉₇, 3, 1, 0; 1999 XX₉₇, 3, 1, 0; 1999 XM₉₈, 3, 1, 0; 1999 XR₉₉, 3, 1, 0; 1999 XA₁₀₅, 3, 1, 0; 1999 XA₁₀₇, 3, 1, 0; 1999 XC₁₁₆, 6, 1, 0; 1999 XR₁₁₈, 3, 1, 0; 1999 XX₁₂₀, 3, 1, 0; 1999 XV₁₃₁, 3, 1, 0; 1999 XU₁₃₄, 3, 1, 0; 1999 XC₁₃₅, 3, 1, 0; 1999 XG₁₃₆, 3, 1, 0; 1999 XL₁₅₅, 3, 1, 0; 1999 XZ₁₅₉, 3, 1, 0; 1999 XV₁₆₃, 3, 1, 0; 1999 XA₁₆₈, 3, 1, 0; 1999 XB₁₆₉, 3, 1, 0; 1999 XY₁₇₄, 3, 1, 0; 1999 XD₁₇₆, 3, 1, 0; 1999 XU₁₈₀, 3, 1, 0; 1999 XV₁₈₁, 3, 1, 0; 1999 XU₁₈₈, 3, 1, 0; 1999 XG₂₁₂, 3, 1, 0; 1999 XW₂₁₃, 3, 1, 0; 1999 XL₂₁₅, 3, 1, 0; 1999 XU₂₁₅, 3, 1, 0; 1999 XX₂₂₃, 3, 1, 0; 1999 XZ₂₂₉, 3, 1, 0; 1999 YR₁₇, 3, 1, 0; 2000 AS₁, 3, 0; 2000 AQ₂, 3, 1, 0; 2000 AW₂, 3, 1, 0; 2000 AC₁₂, 3, 1, 0; 2000 AS₃₀, 3, 1, 0; 2000 AK₄₁, 3, 1, 0; 2000 AZ₅₀, 6, 2, 470; 2000 AB₅₈, 3, 1, 0; 2000 AJ₆₄, 6, 2, 471; 2000 AB₆₈, 6, 2, 443; 2000 AG₉₂, 3, 1, 0; 2000 AQ₉₅, 3, 1, 0; 2000 AB₉₈, 3, 1, 0; 2000 AC₁₀₁, 3, 1, 0; 2000 AA₁₁₂, 3, 1, 0; 2000 AU₁₁₇, 3, 1, 0; 2000 AY₁₁₇, 3, 1, 0; 2000 AZ₁₂₀, 3, 1, 0; 2000 AW₁₂₄, 3, 1, 0; 2000 AJ₁₂₅, 3, 1, 0; 2000 AM₁₂₆, 3, 1, 0; 2000 AK₁₂₈, 3, 1, 0; 2000 AR₁₃₇, 3, 1, 0; 2000 AT₁₃₇, 3, 1, 0; 2000 AA₁₄₁, 3, 1, 0; 2000 AL₁₄₁, 3, 1, 0; 2000 AZ₁₄₅, 3, 1, 0; 2000 AW₁₅₈, 3, 1, 0; 2000 AE₁₆₂, 3, 1, 0; 2000 AG₁₆₂, 3, 1, 0; 2000 AN₁₆₅, 3, 1, 0; 2000 AA₁₇₅, 3, 1, 0; 2000 AL₁₉₇, 3, 1, 0; 2000 AM₂₀₃, 3, 1, 0; 2000 AD₂₃₈, 3, 1, 0; 2000 AG₂₃₈, 3, 1, 0; 2000 AV₂₃₈, 3, 1, 0; 2000 AK₂₄₃, 3, 1, 0; 2000 AM₂₄₃, 3, 1, 0; 2000 AO₂₄₃, 3, 1, 0; 2000 AD₂₄₄, 3, 1, 0; 2000 BT₃, 3, 1, 0; 2000 BZ₁₆, 3, 1, 0; 2000 BJ₁₉, 5, 2, 1; 2000 CV₃, 3, 1, 0; 2000 CU₁, 3, 1, 0; 2000 CC₂, 3, 1, 0; 2000 CP₂, 3, 1, 0; 2000 CB₄, 3, 1, 0; 2000 CS₈, 3, 1, 0; 2000 CC₂₉, 3, 1, 0; 2000 CQ₃₆, 3, 1, 0; 2000 CM₄₉, 3, 1, 0; 2000 CQ₅₀, 3, 1, 0; 2000 CE₅₁, 3, 1, 0; 2000 CY₅₂, 3, 1, 0; 2000 CT₅₃, 3, 1, 0; 2000 CP₅₈, 3, 1, 0; 2000 CE₆₃, 3, 1, 0; 2000 CB₆₇, 3, 1, 0; 2000 CP₇₁, 3, 1, 0; 2000 CD₇₅, 3, 1, 0; 2000 CC₇₆, 9, 3, 506; 2000 CS₇₆, 6, 2, 56; 2000 CD₇₇, 9, 3, 57; 2000 CV₇₉, 6, 2, 60; 2000 CW₈₀, 3, 1, 0; 2000 CM₈₂, 6, 2, 35; 2000 CP₉₂, 3, 1, 0; 2000 CC₉₃, 3, 1, 0; 2000 CR₉₄, 3, 1, 0; 2000 CG₉₇, 3, 1, 0; 2000 CT₁₀₂, 3, 1, 0; 2000 CX₁₁₆, 6, 2, 60; 2000 CB₁₂₂, 3, 1, 0; 2000 DK₃, 3, 1, 0; 2000 DR₈, 3, 1, 0; 2000 DH₁₅, 3, 1, 0; 2000 DT₁₅, 3, 1, 0; 2000 DU₅₈, 3, 1, 0; 2000 DU₆₉, 3, 1, 0; 2000 DY₇₁, 3, 1, 0; 2000 DC₇₃, 3, 1, 0; 2000 DN₉₂, 3, 1, 0; 2000 DG₁₁₀, 3, 1, 0; 2000 EX₃₈, 3, 1, 0; 2000 EV₄₄, 3, 1, 0; 2000 ET₄₆, 3, 1, 0; 2000 ES₅₀, 3, 1, 0; 2000 EG₅₅, 3, 1, 0; 2000 EE₅₆, 3, 1, 0; 2000 EK₇₆, 3, 1, 0; 2000 EL₇₇, 3, 1, 0; 2000 EQ₇₈, 3, 1, 0; 2000 EA₉₁, 3, 1, 0; 2000 EA₉₂, 3, 1, 0; 2000 EH₉₃, 3, 1, 0; 2000 EH₉₅, 6, 2, 477; 2000 EK₉₅, 3, 1, 0; 2000 EK₁₀₃, 3, 1, 0; 2000 EV₁₀₅, 3, 1, 0; 2000 EL₁₀₇, 3, 1, 0; 2000 EU₁₁₆, 3, 1, 0; 2000 ES₁₂₂, 3, 1, 0; 2000 EM₁₂₆, 3, 1, 0; 2000 EU₁₃₀, 3, 1, 0; 2000 EZ₁₃₃, 3, 1, 0; 2000 EW₁₃₈, 3, 1, 0; 2000 EK₁₄₅, 3, 1, 0; 2000 ER₁₄₇, 3, 1, 0; 2000 EB₁₅₀, 3, 1, 0; 2000 EE₁₅₁, 3, 1, 0; 2000 EN₁₅₄, 3, 1, 0; 2000 FE₁, 3, 1, 0; 2000 FS₁₀, 3, 1, 0; 2000 FQ₁₁, 3, 1, 0; 2000 FY₁₁, 3, 1, 0; 2000 FD₁₂, 3, 1, 0; 2000 FF₁₂, 3, 1, 0; 2000 FZ₁₅, 3, 1, 0; 2000 FB₃₂, 3, 1, 0; 2000 FH₃₃, 3, 1, 0; 2000 FR₃₆, 3, 1, 0; 2000 FF₄₁, 6, 2, 531; 2000 FD₄₃, 3, 1, 0; 2000 FZ₄₇, 3, 1, 0; 2000 FK₄₉, 3, 1, 0; 2000 FS₄₉, 3, 1, 0; 2000 FU₄₉, 3, 1, 0; 2000 FP₅₆, 6, 2, 9; 2000 GM₂, 3, 1, 0; 2000 GC₄, 3, 1, 0; 2000 GH₅, 3, 1, 0; 2000 GE₈, 3, 1, 0; 2000 GB₃₆, 3, 1, 0; 2000 GP₃₈, 3, 1, 0; 2000 GS₄₂, 9, 3, 535; 2000 GZ₄₅, 3, 1, 0; 2000 GW₄₉, 3, 1, 0; 2000 GG₅₃, 3, 1, 0; 2000 GC₆₂, 6, 2, 468; 2000 GH₆₇, 3, 1, 0; 2000 GA₉₂, 3, 1, 0; 2000 GJ₉₃, 3, 1, 0; 2000 GL₉₃, 3, 1, 0; 2000 GM₉₃, 3, 1, 0; 2000 GN₉₃, 3, 1, 0; 2000 GT₉₆, 2, 476; 2000 GY₉₅, 3, 1, 0; 2000 GU₉₆, 3, 1, 0; 2000 GD₁₀₅, 3, 1, 0; 2000 GL₁₀₆, 3, 1, 0; 2000 GT₁₀₆, 6, 2, 583; 2000 GX₁₀₇

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Observers C. A. Trujillo, D. C. Jewitt, J. X. Luu, Y. R. Fernandez, S. S. Sheppard,
D. J. Tholen, C. Veillet, P. B. Stetson, G. Fahlman, A. Doressoundiram,
J. C. Cuillandre, J. McDonald, M. Connors, P. Wiegert
Measurers C. A. Trujillo, D. J. Tholen, C. Veillet, D. D. Balam, S. S. Sheppard
2.24-m reflector + CCD, 3.6-m Canada-France-Hawaii Telescope
USNO-A2.0, USNO-SA1.0

{1} 1998 SN₁₆₅, 6, 4, 260; 1999 CC₁₁₉, 5, 4, 55; 1999 CC₁₅₈ *, 15, 8, 446; 1999 CD₁₅₈ *, 14, 8, 420;
1999 DE₉, 11, 5, 402; 1999 RE₂₁₅, 3, 3, 2; 1999 RY₂₁₅, 3, 3, 2; 1999 RZ₂₁₅, 3, 3, 2; 1999 RZ₂₅₃ *,
13, 7, 64; 2000 EE₁₇₃, 7, 3, 78; 2000 GP₁₈₃ *, 8, 4, 60; [88, 11, 4*, 1998/10/23-2000/06/01]

{2} 1999 YY, 2, 1, 0; 2000 CR₂, 7, 1, 0; [9, 2, 0*, 1995/10/19-1997/11/07]

{3} 1998 FG₂, 6, 2, 28; 1998 WY₃₈, 2, 1, 0; 1999 RZ₂₅₃, 4, 2, 1; 1999 YU₂₂ *, 2, 1, 0; 2000 CL₄₆,
8, 1, 0; 2000 GL₇₄, 2, 1, 0; [24, 6, 1*, 1997/11/07-2000/07/23]

{5} 1996 GQ₂₁, 3, 3, 2; 1999 OY₃, 2, 1, 0; 2000 EB₁₇₃, 2, 2, 1; 2000 GM₁₃₇, 3, 1, 0; 2000 GV₁₄₆,
2, 1, 0; 2000 GE₁₄₇, 2, 1, 0; [14, 6, 0*, 2000/05/30-2000/07/02]

{9} 1999 RN₁₄₇, 3, 1, 0; 2000 LX₂₉ *, 3, 2, 1; [6, 2, 1*, 1999/10/11-2000/06/04]

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Observers F. Manca, A. Testa, G. Ventre, V. Giuliani
0.5-m reflector + CCD

1999 JD₆, 2, 1, 0; 1999 KW₄, 2, 1, 0; 2000 GO₈₂, 3, 1, 0; 2000 GK₁₃₇, 2, 1, 0; 2000 JA₃, 2, 1, 0;
2000 JB₆, 2, 1, 0; 2000 JQ₆₆, 2, 1, 0; 2000 KL₃₃, 2, 1, 0; 2000 KO₄₄, 2, 1, 0; 2000 LM, 2, 1, 0;
2000 LC₁₆, 2, 1, 0; 2000 MU₁, 4, 2, 9; [27, 12, 0*, 2000/06/20-2000/07/05]

589 Santa Lucia Stroncone

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Observers A. Vagnozzi, G. Bernabei, V. Risoldi, V. Scirri
0.50-m $f/2.8$ Ritchey-Chrétien + CCD
GSC

1999 FD₄, 3, 1, 0; [3, 1, 0*, 1997/12/28]

595 Farra d'Isonzo

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[ccaf@tmedia.it]

Observers G. Lombardi, A. Toso, A. Olivieri, E. Pettarin, M. Spolaor
Measurer G. Lombardi
0.4-m $f/4.5$ reflector + CCD
GSC, USNO-SA1.0

1998 FZ₁₀₁, 2, 1, 0; 2000 LX₂₀, 6, 2, 1; 2000 NM, 3, 1, 0; [11, 3, 0*, 1999/11/08-2000/07/04]

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Observers A. Boattini, A. Di Clemente

Measurers A. Boattini, G. Forti

0.60-m $f/3$ Schmidt + CCD

GSC

1998 KN₄, 2, 1, 0; 1999 JU₉₂, 2, 1, 0; 1999 RA₁₃₇, 2, 1, 0; 1999 RH₁₄₉, 2, 1, 0; 1999 TL₂₂₀, 1,
1, 0; 1999 UB₆, 2, 1, 0; 2000 AW₁₀₁, 3, 1, 0; 2000 AF₂₀₄, 2, 1, 0; 2000 EL₁₀₇, 2, 1, 0; 9518 P-L,
2, 1, 0; [20, 10, 0*, 1996/05/23-1997/07/10]

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Observers E. F. Helin, S. Pravdo, K. Lawrence, P. Kervin, D. Talent, R. Maeda,
P. Tanner

1.2-m reflector + CCD

1975 SO₁, 3, 1, 0; 1976 SB, 3, 1, 0; 1979 QY₂, 2, 1, 0; 1979 XL, 3, 1, 0; 1981 EK₂, 3, 1, 0;
1981 EV₁₇, 3, 1, 0; 1981 ES₃₈, 3, 1, 0; 1981 EK₄₀, 3, 1, 0; 1987 RN₃, 3, 1, 0; 1987 SE₇, 3, 1,
0; 1987 SS₂₈, 3, 1, 0; 1987 WP, 6, 2, 10; 1988 CE₂, 3, 1, 0; 1988 CZ₄, 3, 1, 0; 1988 DD₂, 3, 1,
0; 1988 RE₁₀, 3, 1, 0; 1989 CH, 3, 1, 0; 1989 EN₅, 3, 1, 0; 1989 UN₁, 3, 1, 0; 1989 WN₂, 3, 1,
0; 1990 QU₄, 3, 1, 0; 1990 QJ₆, 3, 1, 0; 1990 QD₈, 3, 1, 0; 1990 RQ₉, 3, 1, 0; 1990 SF, 3, 1,
0; 1990 SG, 3, 1, 0; 1990 SO₂, 3, 1, 0; 1991 ER, 3, 1, 0; 1991 UA₃, 3, 1, 0; 1991 VT₁, 3, 1, 0;
1991 VV₆, 3, 1, 0; 1992 BD₂, 6, 2, 11; 1992 CA₃, 3, 1, 0; 1992 DD₇, 3, 1, 0; 1992 EO₄, 3, 1, 0;
1992 EE₁₉, 3, 1, 0; 1992 MD, 3, 1, 0; 1992 RG₃, 6, 2, 6; 1992 RY₄, 3, 1, 0; 1992 SW₁₆, 3, 1, 0;
1992 SR₂₄, 3, 1, 0; 1993 FD₁₉, 3, 1, 0; 1993 FP₂₃, 2, 1, 0; 1993 FB₂₆, 6, 2, 5; 1993 FL₂₉, 3, 1,
0; 1993 GN₁, 3, 1, 0; 1993 NX, 6, 2, 10; 1993 OA₃, 3, 1, 0; 1993 ON₈, 3, 1, 0; 1993 TY₃₈, 3, 1,
0; 1993 UD₃, 3, 1, 0; 1993 XN, 3, 1, 0; 1994 CB₁, 3, 1, 0; 1994 CJ₁₁, 3, 1, 0; 1994 GF₁₀, 3, 1,
0; 1994 UO₁, 3, 1, 0; 1994 WM₁, 3, 1, 0; 1996 CP₇, 3, 1, 0; 1996 GC₈, 3, 1, 0; 1996 HO, 3, 1,
0; 1996 JC₆, 3, 1, 0; 1996 LV₁, 3, 1, 0; 1996 NU₄, 3, 1, 0; 1996 PH, 3, 1, 0; 1996 RF₄, 3, 1, 0;
1996 RM₅, 6, 2, 6; 1996 UK, 3, 1, 0; 1996 VY₂₆, 3, 1, 0; 1997 MV, 6, 2, 16; 1997 RR₁, 3, 1, 0;
1997 TM₁₇, 3, 1, 0; 1997 UH, 3, 1, 0; 1997 UE₉, 6, 2, 6; 1997 VY₃, 3, 1, 0; 1997 VE₅, 3, 1, 0;
1997 VP₆, 3, 1, 0; 1997 WC₃, 3, 1, 0; 1997 WY₄₉, 9, 2, 6; 1997 XC, 3, 1, 0; 1997 YB₇, 3, 1, 0;
1998 BT₁₄, 3, 1, 0; 1998 BQ₁₅, 3, 1, 0; 1998 BA₂₀, 3, 1, 0; 1998 BB₂₇, 3, 1, 0; 1998 BQ₄₁, 3, 1,
0; 1998 BB₄₇, 3, 1, 0; 1998 CH, 3, 1, 0; 1998 DS₈, 3, 1, 0; 1998 DT₂₁, 9, 3, 14; 1998 QL₁₀₃, 3, 1,
0; 1998 RZ₄, 3, 1, 0; 1998 SB₃₅, 3, 1, 0; 1998 SK₆₂, 2, 1, 0; 1998 TX₃₄, 3, 1, 0; 1998 UA₂₇, 3, 1, 0;
1998 VL₃₁, 3, 1, 0; 1998 VV₃₂, 3, 1, 0; 1998 VV₃₇, 4, 2, 1; 1998 WJ₃, 6, 2, 16; 1998 WM₃, 3,
1, 0; 1998 WM₇, 3, 1, 0; 1998 WD₂₃, 3, 1, 0; 1998 WB₂₄, 6, 2, 2; 1998 WF₃₁, 3, 1, 0; 1998 XL₃,
3, 1, 0; 1998 XY₄₅, 3, 1, 0; 1998 XP₄₇, 3, 1, 0; 1998 XM₉₄, 3, 1, 0; 1998 XF₉₆, 3, 1, 0; 1998 YC,
3, 1, 0; 1998 YR₁, 6, 2, 16; 1998 YT₁, 3, 1, 0; 1998 YJ₂, 3, 1, 0; 1999 AX, 3, 1, 0; 1999 AM₃, 3,
1, 0; 1999 AP₃, 3, 1, 0; 1999 AP₄, 3, 1, 0; 1999 AB₈, 3, 1, 0; 1999 AW₁₆, 3, 1, 0; 1999 AP₂₁, 3, 1,
0; 1999 AX₂₁, 3, 1, 0; 1999 AS₂₃, 3, 1, 0; 1999 BU₇, 3, 1, 0; 1999 BJ₁₀, 3, 1, 0; 1999 CN₇, 3, 1, 0;
1999 CC₉, 3, 1, 0; 1999 CZ₂₇, 3, 1, 0; 1999 CA₃₁, 3, 1, 0; 1999 CK₃₂, 3, 1, 0; 1999 CR₃₅, 3, 1, 0;
1999 CH₃₇, 3, 1, 0; 1999 CS₃₈, 3, 1, 0; 1999 CX₃₈, 3, 1, 0; 1999 CG₄₆, 3, 1, 0; 1999 CB₄₇, 3, 1, 0;
1999 CR₅₁, 3, 1, 0; 1999 CP₆₀, 3, 1, 0; 1999 CR₆₃, 3, 1, 0; 1999 CR₇₀, 6, 2, 15; 1999 CP₇₂, 3, 1,
0; 1999 CF₇₃, 3, 1, 0; 1999 CZ₇₄, 3, 1, 0; 1999 CX₈₁, 3, 1, 0; 1999 CD₈₆, 3, 1, 0; 1999 CS₉₉, 3, 1,
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2000 LA34, 3, 1, 0; 2000 LB34 *, 3, 1, 0; 2000 LC34 *, 3, 1, 0; 2000 LD34 *, 3, 1, 0; 2000 LE34 *, 3, 1, 0; 2000 LF34 *, 3, 1, 0; 2000 LG34 *, 3, 1, 0; 2000 LH34 *, 3, 1, 0; 2000 LJ34 *, 3, 1, 0; 2000 LK34 *, 3, 1, 0; 2000 LM34 *, 3, 1, 0; 2000 LN34 *, 3, 1, 0; 2000 LO34 *, 3, 1, 0; 2000 LP34 *, 3, 1, 0; 2000 LR34 *, 3, 1, 0; 2000 LU34 *, 3, 1, 0; 2000 LV34 *, 3, 1, 0; 2000 LW34 *, 3, 1, 0; 2000 LX34 *, 3, 1, 0; 2000 LY34 *, 3, 1, 0; 2000 LZ34 *, 3, 1, 0; 2000 LA35, 3, 1, 0; 2000 LB35 *, 3, 1, 0; 2000 LC35 *, 3, 1, 0; 2000 LD35 *, 3, 1, 0; 2000 LE35 *, 3, 1, 0; 2000 LF35 *, 3, 1, 0; 2000 LG35 *, 3, 1, 0; 2000 LH35 *, 3, 1, 0; 2000 LJ35 *, 3, 1, 0; 2000 LK35 *, 3, 1, 0; 2000 LM35 *, 3, 1, 0; 2000 LN35 *, 3, 1, 0; 2000 LO35 *, 3, 1, 0; 2000 LP35 *, 3, 1, 0; 2000 LR35 *, 3, 1, 0; 2000 LU35 *, 3, 1, 0; 2000 LV35 *, 3, 1, 0; 2000 LW35 *, 3, 1, 0; 2000 LX35 *, 3, 1, 0; 2000 LY35 *, 3, 1, 0; 2000 LZ35 *, 3, 1, 0; 2000 LA36, 3, 1, 0; 2

635 Perpignan

J.-M. Llapasset, 66 Cours De Lassus, F-66000 Perpignan, France [Jean-Marie.Llapasset@wanadoo.fr]

0.28-m $f/6.3$ reflector + CCD

GSC, USNO-SA1.0

2000 NM, 26, 2, 3; [26, 1, 0*, 2000/07/05–2000/07/08]

642 Oak Bay, Victoria

C. E. Spratt, 1431 St. Patrick Street, Victoria, BC V8S 4Y5, Canada [cspratt@islandnet.com]

0.20-m $f/3.7$ Schmidt-Cassegrain + focal reducer + CCD

GSC, USNO-SA2.0

1991 PM₅, 9, 3, 2; 2000 EE₁₀₁, 3, 1, 0; 2000 GK₁₃₇, 22, 6, 20; 2000 LM, 2, 1, 0; 2000 NM, 22, 4, 13; [58, 5, 0*, 2000/06/25–2000/07/16]

643 OCA-Anza Observatory

M. White, 28089 Calle Valdes, Mission Viejo, CA 92692, U.S.A.

[minorwhite@email.msn.com]

Observers M. White, M. Collins

0.57-m f Cassegrain reflector + CCD

USNO

2000 LF₁₅, 2, 1, 0; [2, 1, 0*, 2000/07/01]

649 Powell Observatory, Louisburg

L. Robinson, 14680 W 144 St., Olathe, KS 66062, U.S.A.

[lrobinsn@ix.netcom.com]

Observers J. Alburty, M. Kirk, R. Fredrick, R. Alonzi, D. Kindberg

Measurers D. Trentman, R. Alonzi, D. Kindberg

0.30-m Schmidt-Cassegrain + CCD

GSC-1.1

1991 PK₁₂, 2, 1, 0; 1997 WX₄₅, 3, 1, 0; 1998 FX₆₈, 3, 1, 0; 1999 JC₂₄, 2, 1, 0; 2000 BP₃₃, 3, 1, 0; 2000 JQ₆₆, 3, 1, 0; 2000 KL₃₃, 2, 1, 0; (3787), 3, 1, 0; [21, 8, 0*, 1999/07/14–2000/07/23]

651 Grasslands Observatory, Tucson

J. E. McGaha, 5100 Sabino Foothills, Tucson, AZ 85750, U.S.A.

[jmcgaha@azstarnet.com]

0.62-m $f/5.1$ Newtonian + CCD

GSC-1.1

1999 YE₂₃ *, 3, 1, 0; 2000 BF₅₀ *, 3, 1, 0; [6, 2, 2*, 1999/12/31–2000/01/16]

652 Sandringham, Calgary

K. Yeung, 139 Sandringham Place NW, Calgary, Alberta T3K 3V8, Canada

[Calgarian@canada.com]

0.47-m $f/3.0$ reflector + CCD

1997 CZ₂, 1, 1, 0; [1, 1, 0*, 1999/12/06]

658 National Research Council of Canada

D. D. Balam, Dept. of Physics, University of Victoria, P.O. Box 3055, Victoria, BC V8W 3P6, Canada [balam@beluga.phys.uvic.ca]

1.82-m Plaskett telescope + CCD

USNO-A2.0

1994 QC, 6, 2, 2; 1998 BB₁₀, 5, 2, 1; 1998 SP₁₃₅, 2, 1, 0; 1998 YA₁₈, 3, 1, 0; 1999 JD₆, 6, 2, 1; 1999 YG₃, 3, 1, 0; 2000 ED₁₀₄, 3, 1, 0; 2000 GG₂, 3, 1, 0; 2000 GV₁₂₇, 3, 1, 0; 2000 GK₁₃₇, 3, 1, 0; 2000 JT₆₆, 3, 1, 0; 2000 KL₃₃, 3, 1, 0; 2000 KO₄₄, 3, 1, 0; 2000 LF₃, 3, 1, 0; 2000 MU₁, 3, 1, 0; 2000 NM, 3, 1, 0; 2000 NH₁₀, 6, 2, 1; 2000 NJ₁₀, 6, 2, 1; 2000 NK₁₀, 3, 1, 0; 2000 NL₁₀, 9, 3, 5; 2000 NF₁₁, 2, 1, 0; 2000 NG₁₁, 5, 2, 2; 2000 NS₁₁ *, 5, 2, 2; 2000 OG, 3, 1, 0; [94, 24, 1*, 1997/04/10–2000/07/22]

670 Camarillo

J. E. Rogers, 441 Rowland Avenue, Camarillo, CA 93010, U.S.A.

[johnerogers@csi.com]

0.30-m $f/6.7$ Helin Telescope + CCD

USNO-A2.0

1991 PM₅, 3, 1, 0; 1998 BB₁₀, 3, 1, 0; 1999 JD₆, 3, 1, 0; 1999 KW₄, 2, 1, 0; 2000 JA₃, 3, 1, 0; 2000 JQ₆₆, 2, 1, 0; 2000 KL₃₃, 5, 2, 7; 2000 LM, 3, 1, 0; 2000 LC₁₆, 7, 2, 6; 2000 NM, 11, 3, 6; 2000 NX₃, 6, 2, 15; 2000 OG, 6, 2, 1; 2000 OH, 5, 2, 1; (3102), 2, 1, 0; (3752), 3, 1, 0; (4055), 2, 1, 0; (7092), 2, 1, 0; (7482), 2, 1, 0; (12538), 3, 1, 0; [73, 19, 0*, 2000/06/26–2000/07/24]

673 Table Mountain Observatory

W. M. Owen, Jr., Jet Propulsion Laboratory 301-150, 4800 Oak Grove Drive, Pasadena, CA 91109-8099, U.S.A. [wmo@wansor.jpl.nasa.gov] (1)

M. Hicks, Jet Propulsion Laboratory, MS 183-501, 4800 Oak Grove Drive, Pasadena, CA 91109, U.S.A. [hicksm@scn1.jpl.nasa.gov] (4)

Observers C. G. Ramirez, J. R. Foster, L. Kuang, M. Anderson, M. Balancio, M. Hicks, S. Gillam, R. Martinez, W. M. Owen Jr., D. Arvidson, W. Jordon,

M. Majic, J. Ramirez, B. Bozek, B. Buratti, M. Garske

Measurers M. Hicks, W. M. Owen Jr., K. Lawrence, Z. Thicksten

0.61-m $f/16$ reflector + CCD

ACT

{1} (8), 1, 1, 0; (9), 8, 2, 2; (80), 4, 2, 2; (192), 2, 1, 0; (372), 3, 1, 0; (397), 2, 1, 0; (441), 5, 2, 2; (455), 5, 2, 2; (914), 3, 1, 0; (1259), 3, 1, 0; (1300), 3, 1, 0; [39, 11, 0*, 2000/07/14–2000/07/16]

{4} 2000 MT₁, 3, 1, 0; 2000 NM, 2, 1, 0; 2000 NQ₁₁, 6, 2, 1; 2000 OH, 3, 1, 0; (10), 2, 1, 0; (142), 2, 1, 0; (309), 2, 1, 0; (441), 2, 1, 0; (455), 2, 1, 0; (712), 1, 1, 0; (1300), 3, 1, 0; [28, 11, 0*, 2000/06/19–2000/07/22]

675 Palomar

E. F. Helin, MS 183-501, Jet Propulsion Laboratory, Pasadena, CA 91109, U.S.A. [efh@alps.jpl.nasa.gov] (2)

C. S. Shoemaker, P.O. Box 984, Flagstaff, AZ 86002, U.S.A. [cshoemaker@flagmail.wr.usgs.gov] (3)

E. Bowell, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001, U.S.A. [elgb@lowell.edu] (6)

9 = 6 + 3

Observers E. F. Helin (2, S), K. Lawrence (2, S), C. S. Shoemaker (3, S), E. M. Shoemaker (3, S)

Measurers K. Lawrence (2), B. A. Skiff (6)

1.2-m Oschin Schmidt (L), 0.46-m Schmidt (S)

{2} 1998 WY₂₃, 2, 1, 0; 1999 JM₈₄, 2, 1, 0; 1999 VP₁₀, 2, 1, 0; 1999 XF₁, 2, 1, 0; 1999 XZ₂₄, 2, 1, 0; 2000 AK₁₀₅, 2, 1, 0; 2000 HH, 2, 1, 0; [14, 7, 0*, 1986/06/04–1995/05/02]

{6} 1998 KN₄, 2, 1, 0; 1998 SB₂₂, 2, 1, 0; 1999 XS₂₀₆, 2, 1, 0; 2000 EV₁₄₁, 2, 1, 0; 2000 FH₃₁, 1, 1, 0; [9, 5, 0*, 1950/04/22–1984/01/26]

{9} 1993 FJ₃₃, 2, 1, 0; 1994 WL, 2, 1, 0; 1995 UC₁₇, 2, 1, 0; 1995 UK₂₈, 1, 1, 0; 1996 AE₁, 2, 1, 0; 1996 GV₁₇, 2, 1, 0; 1996 HC₂₄, 2, 1, 0; 1996 OL, 1, 1, 0; 1997 AJ₂, 2, 1, 0; 1997 QP, 2, 1, 0; 1999 GL₁₇, 1, 1, 0; 1999 NP₃₉, 2, 1, 0; 1999 RV₈₆, 1, 1, 0; 1999 RZ₁₁₅, 2, 1, 0; 1999 TA₂₄₃, 2, 1, 0; 1999 VY₈, 1, 1, 0; 1999 XN₁₅₈, 2, 1, 0; 1999 XG₁₇₀, 1, 1, 0; 2000 AZ₉₉, 1, 1, 0; 2000 AM₁₂₈, 2, 1, 0; 2000 AF₁₈₆, 1, 1, 0; 2000 AR₁₈₉, 2, 1, 0; 2000 AM₂₀₀, 1, 1, 0; 2000 CV₇₉, 2, 1, 0; 2000 CK₁₀₃, 2, 1, 0; 2000 EB₁₃₅, 1, 1, 0; 2000 FK₃₉, 2, 1, 0; 2000 GW₇₅, 1, 1, 0; 2000 HX₅₇, 2, 1, 0; [47, 29, 0*, 1986/03/04–1995/03/27]

682 Kanab

E. Sheridan, 7205 Sunflower Lane, Kanab, UT 84741, U.S.A.

[mened@expressweb.com]

0.25-m $f/4$ Schmidt-Cassegrain + CCD

USNO-SA2.0

1999 JQ₂₁, 4, 1, 0; 2000 JN₈₄ *, 1, 1, 0; 2000 NM, 3, 1, 0; 2000 OG, 1, 1, 0; (8336), 3, 1, 0; [12, 5, 1*, 2000/05/01-2000/07/22]

683 Goodricke-Pigott Observatory, Tucson

R. A. Tucker, 5500 West Nebraska Street, Tucson, AZ 85746, U.S.A.

[tucker@noao.edu]

0.35-m *f*/11 Schmidt-Cassegrain + CCD

GSC

1998 VG₅₅ *, 3, 1, 0; 1999 EU₅, 4, 2, 1; 1999 EX₅, 7, 2, 1; 1999 GV₉, 4, 2, 2; 2000 EQ₁₂₇, 3, 1, 0; 2000 NT₁, 2, 1, 0; 2000 NW₆, 2, 1, 0; 2000 NY₆, 4, 2, 1; 2000 NC₈, 5, 2, 1; 2000 NR₈, 3, 1, 0; 2000 NW₈ *, 6, 2, 1; 2000 NM₁₀ *, 5, 2, 1; (2954), 5, 2, 1; (4264), 5, 2, 1; (4310), 3, 1, 0; (8019), 4, 2, 1; (10075), 4, 2, 1; [69, 17, 3*, 1998/11/08-2000/07/06]

684 Prescott

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

[comba@northlink.com]

0.46-m *f*/4.5 reflector + CCD

GSC

1987 RN₃, 5, 2, 1; 1990 GF, 4, 2, 1; 1991 PN₈, 2, 1, 0; 1992 EO₄, 2, 1, 0; 1996 FF₂, 3, 1, 0; 1996 RE₁, 4, 2, 1; 1997 UE, 5, 2, 2; 1997 UJ₁, 4, 2, 1; 1997 UY₂, 4, 2, 1; 1997 UG₅, 4, 2, 1; 1997 VA₄, 5, 2, 1; 1997 WB₁, 8, 3, 2; 1998 XJ₂₄, 2, 1, 0; 1998 YU₅, 4, 2, 2; 1999 BP₃₄, 2, 1, 0; 1999 EX₁₄ *, 2, 1, 0; 2000 AG₁₇, 3, 1, 0; 2000 EY₁₁₂, 4, 2, 1; 2000 HR₁₄, 2, 1, 0; 2000 JZ₃₇, 2, 1, 0; 2000 KQ₅₆, 4, 2, 2; 2000 LV₈, 4, 2, 2; 2000 LZ₈, 4, 2, 2; 2000 NF₁ *, 4, 2, 2; 2000 NB *, 4, 2, 1; 2000 NC *, 4, 2, 1; 2000 ND *, 4, 2, 1; 2000 NE *, 5, 2, 1; 2000 NF *, 7, 3, 6; 2000 NG *, 5, 2, 1; 2000 NJ *, 6, 2, 1; 2000 NK *, 4, 2, 1; 2000 NL *, 5, 2, 1; 2000 NO *, 4, 2, 1; 2000 NP *, 4, 2, 1; 2000 NQ *, 4, 2, 1; 2000 NR *, 8, 4, 18; 2000 NS *, 6, 3, 3; 2000 NT *, 7, 3, 3; 2000 NU *, 8, 4, 18; 2000 NW *, 4, 2, 1; 2000 NX *, 4, 2, 1; 2000 NY *, 9, 4, 18; 2000 NZ *, 5, 2, 1; 2000 NJ₂ *, 4, 2, 1; 2000 NK₂ *, 4, 2, 1; 2000 NL₂ *, 4, 2, 1; 2000 NM₂ *, 4, 2, 1; 2000 NC₃ *, 4, 2, 1; 2000 ND₃ *, 4, 2, 1; 2000 NE₃ *, 4, 2, 1; 2000 NF₃ *, 4, 2, 1; 2000 NG₃ *, 4, 2, 1; 2000 NH₃ *, 4, 2, 1; 2000 NW₃ *, 18, 5, 15; 2000 NV₅ *, 5, 2, 2; 2000 NW₅ *, 4, 2, 2; 2000 NX₅ *, 5, 2, 2; 2000 OA *, 5, 2, 1; 2000 OB *, 5, 2, 1; 2000 OC *, 4, 2, 1; (2564), 3, 1, 0; (7032), 2, 1, 0; (8200), 4, 2, 1; (9921), 3, 1, 0; (15279), 3, 1, 0; [295, 66, 39*, 1998/12/28-2000/07/22]

688 Lowell Observatory, Anderson Mesa Station

M. W. Buie, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001,

U.S.A. [buie@lowell.edu] (1)

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

U.S.A. [elgb@lowell.edu] (4)

L. H. Wasserman, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff,

AZ 86001, U.S.A. [lhw@lowell.edu] (5)

Observers M. W. Buie (1), B. A. Skiff (4), L. H. Wasserman (5)

0.79-m reflector + CCD, 1.07-m reflector + CCD

USNO-A2.0

{1} 1991 VN₃, 4, 1, 0; 1994 PL₁, 4, 1, 0; 1996 UN₁, 3, 1, 0; 1997 AD₁₄, 3, 1, 0; 1998 SU₃, 2, 1, 0; 1998 SB₃₅, 2, 1, 0; 1998 UL₁₈, 2, 1, 0; 1998 UE₁₉, 2, 1, 0; 1999 AV₃₇, 2, 1, 0; 1999 NS₅₅, 3, 1, 0; 1999 RC₄₈, 3, 1, 0; 1999 SF₆, 3, 1, 0; 1999 VH₁₂, 3, 1, 0; 2000 AQ₁₀₀, 3, 1, 0; 2000 LX₂₇, 2, 1, 0; [41, 15, 0*, 1997/05/08-2000/04/05]

{4} 1991 FH, 3, 1, 0; 2000 CB₁₂₂, 2, 1, 0; 2000 GV₁₀₇, 2, 1, 0; [7, 3, 0*, 1997/06/12-1997/10/26]

{5} 1990 DZ₁, 3, 1, 0; 1993 FH₁₄, 2, 1, 0; 1993 RJ₁, 2, 1, 0; 1996 HP₂₅, 3, 1, 0; 1996 XS₁, 3, 1, 0; 1996 XU₁₄, 2, 1, 0; 1997 EH₈, 3, 1, 0; 1997 GB₃₆, 2, 1, 0; 1997 PV₄, 2, 1, 0; 1997 RP₁₀, 3, 1, 0; 1997 UX₂, 3, 1, 0; 1998 QN₆, 2, 1, 0; 1998 QH₄₂, 2, 1, 0; 1998 QE₅₆, 2, 1, 0; 1998 QM₉₈, 2, 1, 0; 1998 RG₇₉, 2, 1, 0; 1998 SW₄, 2, 1, 0; 1998 SB₄₆, 2, 1, 0; 1998 SX₇₂, 2, 1, 0; 1998 SF₇₄, 2, 1, 0; 1998 SH₇₄, 2, 1, 0; 1998 SC₁₃₄, 2, 1, 0; 1998 SA₁₃₆, 2, 1, 0; 1998 TR₃, 2, 1, 0; 1998 XO₄, 2, 1, 0; 1998 XQ₇₇, 2, 1, 0; 1999 FU₂₈, 3, 1, 0; 1999 RH₁₁₂, 2, 1, 0; 1999 VA₂₃, 3, 1, 0; 2000 BO₁₄, 3, 1, 0; 2000 BR₃₄, 3, 1, 0; 2000 CE₇₀, 2, 1, 0; 2000 CN₈₅, 2, 1, 0; 2000 CW₁₁₆, 2, 1, 0; 2000 ES₁₁₉, 3, 1, 0; 2000 EU₁₈₂ *, 2, 1, 0; 2000 FV₅₇, 2, 1, 0; 2000 FX₇₀, 2, 1, 0; 2000 GS₇₉, 3, 1, 0; 2000 GS₁₈₂ *, 2, 1, 0; 2000 HN₉₀, 3, 1, 0; 2000 HO₉₀, 3, 1, 0; 2000 HP₉₀, 3, 1, 0; 2000 HQ₉₀, 3, 1, 0; 2000 HR₉₀, 3, 1, 0; 2000 HS₉₀, 3, 1, 0; 2000 HT₉₀, 3, 1, 0; 2000 JL₈₄ *, 3, 1, 0; 2000 JM₈₄ *, 3, 1, 0; 2000 JO₈₄ *, 3, 1, 0; 2000 LB₃, 3, 1, 0; 2000 LV₉, 2, 1, 0; 2000 LU₂₅, 3, 1, 0; 2000 LV₂₅, 2, 1, 0; 2000 NE₂₄ *, 3, 1, 0; 2000 NJ₂₈, 3, 1, 0; 3111 T-2, 2, 1, 0; 3124 T-3, 3, 1, 0; (4933), 3, 1, 0; (6440), 3, 1, 0; (7255), 3, 1, 0; [152, 61, 6*, 2000/01/04-2000/07/06]

691 Kitt Peak, Steward Observatory

R. S. McMillan, Space Sciences Building, University of Arizona, Tucson, AZ 85721, U.S.A. [bob@lpl.arizona.edu]

Observers M. T. Read, R. S. McMillan, N. Danzl, T. Gehrels, A. Gleason,

J. V. Scotti, J. A. Larsen, A. E. Gleason, J. L. Montani, T. Gehrels,

A. S. Descour

0.91-m Spacewatch telescope + CCD

USNO-A1.0, USNO-SA1.0

1973 SB₁, 3, 1, 0; 1974 FF, 3, 1, 0; 1976 UP₁₈, 3, 1, 0; 1978 VM₄, 11, 4, 2460; 1979 MD₇, 3, 1, 0; 1979 MG₇, 3, 1, 0; 1979 MM₇, 9, 3, 1651; 1979 OU₁₁, 3, 1, 0; 1979 QY₂, 3, 1, 0; 1981 EY₃, 3, 1, 0; 1981 EC₄, 3, 1, 0; 1981 EZ₄, 2, 1, 0; 1981 EQ₈, 3, 1, 0; 1981 EW₁₀, 3, 1, 0; 1981 EX₁₀, 3, 1, 0; 1981 EO₁₃, 3, 1, 0; 1981 EZ₂₀, 6, 2, 1384; 1981 EE₂₁, 3, 1, 0; 1981 EM₂₅, 3, 1, 0; 1981 ED₂₆, 3, 1, 0; 1981 EA₃₁, 3, 1, 0; 1981 EZ₃₂, 3, 1, 0; 1981 EN₄₁, 3, 1, 0; 1981 QB₃, 3, 1, 0; 1981 UN₂₂, 3, 1, 0; 1982 XW₁, 6, 2, 2343; 1985 RK₃, 3, 1, 0; 1985 SH₁, 3, 1, 0; 1986 QU₁, 3, 1, 0; 1986 QO₂, 3, 1, 0; 1987 DO, 3, 1, 0; 1988 BT₃, 2, 1, 0; 1988 CD₂, 3, 1, 0; 1988 CZ₄, 3, 1, 0; 1988 EX₁, 3, 1, 0; 1989 TH₇, 3, 1, 0; 1989 UP₅, 3, 1, 0; 1989 VF, 12, 4, 943; 1989 VQ₁, 3, 1, 0; 1989 WZ₁, 6, 2, 4; 1990 EK, 3, 1, 0; 1990 QF₄, 6, 2, 9; 1990 SO₂, 3, 1, 0; 1990 ST₂, 3, 1, 0; 1990 SF₁₃, 3, 1, 0; 1990 VB₆, 3, 1, 0; 1990 WV₁, 3, 1, 0; 1990 WE₃, 3, 1, 0; 1991 DP, 6, 2, 451; 1991 KE, 6, 2, 5; 1991 LO₁, 3, 1, 0; 1991 LB₄, 3, 1, 0; 1991 PW₁₈, 3, 1, 0; 1991 PV₃₁, 3, 1, 0; 1991 SS₁, 3, 1, 0; 1991 TN₂, 3, 1, 0; 1991 TW₂, 3, 1, 0; 1991 UH₁, 3, 1, 0; 1991 VV₁₂, 3, 1, 0; 1991 YB₁, 3, 1, 0; 1992 AS₃, 3, 1, 0; 1992 BZ₃, 3, 1, 0; 1992 DZ₃, 3, 1, 0; 1992 DE₁₁, 3, 1, 0; 1992 EC₇, 3, 1, 0; 1992 EB₂₇, 6, 2, 7; 1992 FJ₄ *, 3, 1, 0; 1992 GM₄, 3, 1, 0; 1992 HQ₃, 3, 1, 0; 1992 HN₅, 3, 1, 0; 1992 PY₃, 3, 1, 0; 1992 PH₄, 3, 1, 0; 1992 SH₆, 6, 2, 27; 1992 SM₁₆, 3, 1, 0; 1992 SF₁₇, 3, 1, 0; 1992 SR₂₄, 3, 1, 0; 1992 YZ₄, 3, 1, 0; 1993 FN₇, 3, 1, 0; 1993 FV₁₂, 3, 1, 0; 1993 FK₁₈, 3, 1, 0; 1993 FO₂₂, 3, 1, 0; 1993 FF₃₁, 3, 1, 0; 1993 FW₈₁, 3, 1, 0; 1993 GM₁, 6, 2, 10; 1993 HQ₂, 6, 2, 28; 1993 OD₈, 3, 1, 0; 1993 PV₈, 3, 1, 0; 1993 RA₂, 3, 1, 0; 1993 SA₆, 3, 1, 0; 1993 TD₅, 2, 1, 0; 1993 TB₁₄, 2, 1, 0; 1993 TS₁₅, 3, 1, 0; 1993 TZ₁₆, 3, 1, 0; 1993 TY₃₈, 9, 3, 23; 1993 UJ₅, 3, 1, 0; 1993 UD₈, 3, 1, 0; 1993 XN, 3, 1, 0; 1994 AE, 3, 1, 0; 1994 AK₁, 6, 2, 3; 1994 AP₅, 9, 3, 3; 1994 CN₁₀, 3, 1, 0; 1994 CF₁₆, 3, 1, 0; 1994 ER₅, 3, 1, 0; 1994 ED₆, 6, 2, 2661; 1994 JY, 3, 1, 0; 1994 JV₄, 3, 1, 0; 1994 PD₂, 3, 1, 0; 1994 PA₄, 6, 2, 30; 1994 PQ₈, 3, 1, 0; 1994 PU₁₀, 3, 1, 0; 1994 PL₁₂, 12, 4, 2957; 1994 PX₁₂, 12, 4, 1456; 1994 PA₁₃, 3, 1, 0; 1994 PO₁₃, 3, 1, 0; 1994 PX₁₃, 3, 1, 0; 1994 PZ₁₅, 6, 2, 1483; 1994 PU₁₆, 3, 1, 0; 1994 PA₁₇, 6, 2, 1151; 1994 PH₁₉, 3, 1, 0; 1994 PN₁₉, 3, 1, 0; 1994 PN₂₀, 9, 3, 2065; 1994 PR₂₂, 6, 2, 9; 1994 PA₂₃, 3, 1, 0; 1994 PX₂₄, 3, 1, 0; 1994 PF₂₇, 6, 2, 481; 1994 PB₃₄, 3, 1, 0; 1994 PP₃₆, 3, 1, 0; 1994 PU₃₇, 3, 1, 0; 1994 PN₃₉, 3, 1, 0; 1994 PV₃₉, 3, 1, 0; 1994 RA, 2, 1, 0; 1994 RG, 3, 1, 0; 1994 RA₁, 3, 1, 0; 1994 RD₃, 3, 1, 0; 1994 RA₂₉, 2, 1, 0; 1994 SL₂, 3, 1, 0; 1994 SO₉, 8, 3, 1484; 1994 SF₁₀, 3, 1, 0; 1994 SL₁₃ *, 3, 1, 0; 1994 TM₁₅, 3, 1, 0; 1994 UL₆, 6, 2, 1392; 1994 UQ₇, 3, 1, 0; 1994 UE₈, 3, 1, 0; 1994 UP₈, 3, 1, 0; 1994 UW₉, 6, 2, 1; 1994 VS, 3, 1, 0; 1994 WU₂, 3, 1, 0; 1994 XS₂, 3, 1, 0; 1994 YG₁, 6, 2, 4; 1995 BW₁, 6, 2, 10; 1995 BG₃, 3, 1, 0; 1995 BC₄, 6, 2, 4; 1995 BJ₅, 3, 1, 0; 1995 BA₈, 3, 1, 0; 1995 BF₁₁, 3, 1, 0; 1995 BC₁₇ *, 3, 1, 0; 1995 CN₆, 3, 1, 0; 1995 DY, 3, 1, 0; 1995 DM₆, 3, 1, 0; 1995 DS₈, 3, 1, 0; 1995 DE₁₁, 3, 1, 0; 1995 DG₁₃, 12, 4, 400; 1995 DR₁₃, 3, 1, 0; 1995 EM₂, 6, 2, 2988; 1995 ES₆, 3, 1, 0; 1995 EF₇, 3, 1, 0; 1995 FF₆, 3, 1, 0; 1995 GJ₁, 3, 1, 0; 1995 GK₂, 3, 1, 0; 1995 GD₄, 3, 1, 0; 1995 GU₆, 3, 1, 0; 1995 JH₁, 12, 4, 1821; 1995 KK, 3, 1, 0; 1995 MC₁, 5, 2, 26; 1995 OR₁, 6, 2, 1382; 1995 OY₃, 3, 1, 0; 1995 OA₆, 3, 1, 0; 1995 OM₆, 3, 1, 0; 1995 ON₆, 9, 3, 1553; 1995 QF₄, 3, 1, 0; 1995 QL₅, 3, 1, 0; 1995 RL, 3, 1, 0; 1995 SE, 3, 1, 0; 1995 SE₁, 3, 1, 0; 1995 SO₁₆, 3, 1, 0; 1995 SR₁₉, 3, 1, 0; 1995 SL₂₀, 3, 1, 0; 1995 SK₂₃, 3, 1, 0; 1995 ST₂₄, 6, 2, 499; 1995 SW₃₄, 3, 1, 0; 1995 SD₄₄, 3, 1, 0; 1995 SQ₄₄, 3, 1, 0; 1995 TA₁, 3, 1, 0; 1995 TS₃, 3, 1, 0; 1995 TN₇, 3, 1, 0; 1995 UX₃, 3, 1, 0; 1995 UF₈, 3, 1, 0; 1995 UW₁₂, 5, 2, 7; 1995 UC₁₄, 6, 2, 2540; 1995 UK₁₈, 2, 1, 0; 1995 UK₄₀, 3, 1, 0; 1995 VC, 3, 1, 0; 1995 VM₁, 3, 1, 0; 1995 VW₄, 3, 1, 0; 1995 VJ₁₁, 3, 1, 0; 1995 VH₁₈, 3, 1, 0; 1995 WZ₁, 3, 1, 0; 1995 WA₂, 3, 1, 0; 1995 WZ₃, 3, 1, 0; 1995 WT₆, 3, 1, 0; 1995 WV₆, 3, 1, 0; 1995 WP₁₆, 3, 1, 0; 1995 WN₂₀, 3, 1, 0; 1995 WE₃₀, 3, 1, 0; 1995 YJ, 2, 1, 0; 1995 YQ₁, 3, 1, 0; 1995 YM₄, 6, 2, 476; 1995 YO₅, 9, 3, 27; 1995 YB₆, 3, 1, 0; 1995 YR₆, 3, 1, 0; 1995 YM₉, 3, 1, 0; 1995 YM₁₀, 6, 2, 1740; 1995 YH₁₁, 3, 1, 0; 1995 YH₁₂, 3, 1, 0; 1995 YV₁₃, 3, 1, 0; 1996 AZ, 3, 1, 0; 1996 AS₁, 3, 1, 0; 1996 AB₃, 3, 1, 0; 1996 AH₄, 3, 1, 0; 1996 AQ₇, 3, 1, 0; 1996 AT₈, 3, 1, 0; 1996 AD₁₀, 3, 1, 0; 1996 AA₁₁, 3, 1, 0; 1996 AF₁₈, 3, 1, 0; 1996 BX₄, 9, 3, 46; 1996 BP₁₁, 3, 1, 0; 1996 DQ₁, 3, 1, 0; 1996 DS₂, 6, 2, 21; 1996 EC₁, 3, 1, 0; 1996 EK₇, 6, 2, 1449; 1996 EY₇, 3, 1, 0; 1996 FZ, 3, 1, 0; 1996 FQ₂, 3, 1, 0; 1996 GC₂, 3, 1, 0; 1996 GN₇, 3, 1, 0; 1996 GO₁₃, 3, 1, 0; 1996 GO₁₇, 3, 1, 0; 1996 GO₁₈, 3, 1, 0; 1996 HO₁, 3, 1, 0; 1996 HB₁₂, 2, 1, 0; 1996 HO₁₂, 2, 1, 0; 1996 HG₁₅, 3, 1, 0; 1996 HT₁₅, 3, 1, 0; 1996 HF₁₆, 9, 3, 9; 1996 HH₂₀, 3, 1, 0; 1996 HZ₂₃, 2, 1, 0; 1996 HE₂₅, 3, 1, 0; 1996 JC, 3, 1, 0; 1996 JT, 3, 1, 0; 1996 JG₄, 3, 1, 0; 1996 JX₇, 3, 1, 0; 1996 KN₅, 3, 1, 0; 1996 KE₉, 3, 1, 0; 1996 ND₅, 3, 1, 0; 1996 NK₅, 9, 3, 2189; 1996 PS₃, 3, 1, 0; 1996 PY₈, 3, 1, 0; 1996 PO₉, 3, 1, 0; 1996 RO₅, 3, 1, 0; 1996 RB₁₂, 3, 1, 0; 1996 RH₂₆, 6, 2, 88; 1996 RY₂₇, 3, 1, 0; 1996 SJ₃, 3, 1, 0; 1996 TX₉, 6, 2, 5; 1996 TD₁₁, 3, 1, 0; 1996 TE₃₀, 3, 1, 0; 1996 TK₆₂, 3, 1, 0; 1996 UK, 3, 1, 0; 1996 VF₁, 6, 2, 523; 1996 VM₁₄, 5, 2, 1; 1996 VV₁₉, 9, 3, 621; 1996 VY₂₆, 3, 1, 0; 1996 VE₄₁ *, 6, 2, 6; 1996 WK₃, 6, 2, 1477; 1996 XK, 3, 1, 0; 1996 XJ₁₂, 3, 1, 0; 1996 XC₁₅, 3, 1, 0; 1996 XG₁₅, 6, 2,

536; 1996 XN₁₅, 3, 1, 0; 1996 XH₃₀, 3, 1, 0; 1996 YA₃, 3, 1, 0; 1997 AZ₄, 2, 1, 0; 1997 AN₅, 3, 1, 0; 1997 AM₇, 3, 1, 0; 1997 AZ₇, 3, 1, 0; 1997 AG₁₂, 6, 2, 60; 1997 AM₁₃, 3, 1, 0; 1997 AT₁₄, 3, 1, 0; 1997 AT₁₅, 3, 1, 0; 1997 AC₁₈, 3, 1, 0; 1997 AW₂₀, 9, 3, 559; 1997 BO₂, 3, 1, 0; 1997 BD₅, 5, 2, 530; 1997 BX₆, 6, 2, 81; 1997 CZ, 3, 1, 0; 1997 CO₁, 3, 1, 0; 1997 CG₄, 3, 1, 0; 1997 CN₄, 3, 1, 0; 1997 CO₄, 3, 1, 0; 1997 CJ₅, 3, 1, 0; 1997 CU₅, 3, 1, 0; 1997 CE₆, 3, 1, 0; 1997 CE₁₈, 3, 1, 0; 1997 CC₂₂, 3, 1, 0; 1997 CM₂₂, 3, 1, 0; 1997 CQ₂₅, 3, 1, 0; 1997 CT₂₅, 3, 1, 0; 1997 CL₂₆, 3, 1, 0; 1997 CS₂₉, 6, 2, 8; 1997 DW, 3, 1, 0; 1997 EE, 3, 1, 0; 1997 EF, 3, 1, 0; 1997 EH, 3, 1, 0; 1997 EG₅, 9, 3, 484; 1997 EN₅, 3, 1, 0; 1997 EC₆, 3, 1, 0; 1997 EH₁₂, 6, 2, 12; 1997 EH₁₃, 5, 2, 4; 1997 EL₁₆, 6, 2, 446; 1997 EG₁₈, 3, 1, 0; 1997 EP₂₅, 3, 1, 0; 1997 ER₂₅, 6, 2, 8; 1997 ER₂₆, 3, 1, 0; 1997 EE₂₉, 6, 2, 2542; 1997 EH₂₉, 3, 1, 0; 1997 EJ₃₃, 3, 1, 0; 1997 EB₃₇, 3, 1, 0; 1997 ET₄₁, 3, 1, 0; 1997 EV₄₉, 3, 1, 0; 1997 EZ₄₉, 3, 1, 0; 1997 EA₅₀, 6, 2, 36; 1997 EL₅₀, 3, 1, 0; 1997 EB₅₇, 3, 1, 0; 1997 FE₁, 3, 1, 0; 1997 FM₂, 3, 1, 0; 1997 FS₂, 3, 1, 0; 1997 FM₃, 3, 1, 0; 1997 FD₄, 3, 1, 0; 1997 FM₄, 5, 2, 1422; 1997 GY, 3, 1, 0; 1997 GD₇, 3, 1, 0; 1997 GG₇, 3, 1, 0; 1997 GG₈, 3, 1, 0; 1997 GE₉, 3, 1, 0; 1997 GB₁₂, 9, 3, 1537; 1997 GK₁₂, 3, 1, 0; 1997 GY₁₂, 3, 1, 0; 1997 GR₁₃, 3, 1, 0; 1997 GB₁₄, 3, 1, 0; 1997 GQ₁₄, 3, 1, 0; 1997 GY₁₄, 3, 1, 0; 1997 GG₁₅, 3, 1, 0; 1997 GT₁₅, 9, 3, 2820; 1997 GJ₁₆, 3, 1, 0; 1997 GS₁₆, 3, 1, 0; 1997 GB₁₈, 6, 2, 2010; 1997 GO₁₉, 3, 1, 0; 1997 GV₂₀, 3, 1, 0; 1997 GS₂₂, 3, 1, 0; 1997 GP₂₇, 9, 3, 3048; 1997 GO₂₈, 3, 1, 0; 1997 GH₃₁, 3, 1, 0; 1997 GE₃₂, 3, 1, 0; 1997 GX₃₂, 3, 1, 0; 1997 GC₃₃, 3, 1, 0; 1997 GK₃₃, 3, 1, 0; 1997 GM₃₃, 3, 1, 0; 1997 GW₃₄, 3, 1, 0; 1997 GR₃₅, 3, 1, 0; 1997 GO₄₀, 3, 1, 0; 1997 GF₄₀, 6, 2, 503; 1997 HH, 3, 1, 0; 1997 HQ, 3, 1, 0; 1997 HR₁₀, 12, 4, 2775; 1997 HX₁₁, 3, 1, 0; 1997 HD₁₃, 3, 1, 0; 1997 JA₁₃, 9, 3, 54; 1997 JJ₁₃, 3, 1, 0; 1997 JN₁₃, 3, 1, 0; 1997 JY₁₃, 3, 1, 0; 1997 JJ₁₅, 3, 1, 0; 1997 JU₁₅, 3, 1, 0; 1997 JQ₁₆, 2, 1, 0; 1997 JX₁₇, 3, 1, 0; 1997 JY₁₇, 3, 1, 0; 1997 JZ₁₈, 3, 1, 0; 1997 LO, 3, 1, 0; 1997 LA₂, 5, 1, 0; 1997 LL₃, 3, 1, 0; 1997 LX₅, 6, 2, 11; 1997 LY₉, 3, 1, 0; 1997 LB₁₆, 3, 1, 0; 1997 LK₁₆, 3, 1, 0; 1997 MV, 3, 1, 0; 1997 MG₁, 2, 1, 0; 1997 MQ₁, 3, 1, 0; 1997 MK₃, 6, 2, 2053; 1997 MT₃, 3, 1, 0; 1997 MS₈, 6, 2, 12; 1997 NE, 6, 2, 6; 1997 NM₁, 6, 2, 1521; 1997 NN₃, 6, 2, 12; 1997 NQ₃, 6, 2, 593; 1997 NL₄, 3, 1, 0; 1997 OA₁, 3, 1, 0; 1997 OE₂, 3, 1, 0; 1997 PC₁, 3, 1, 0; 1997 PO₂, 3, 1, 0; 1997 PF₃, 6, 2, 14; 1997 PY₃, 3, 1, 0; 1997 QH, 6, 2, 33; 1997 QL, 3, 1, 0; 1997 QC₃, 3, 1, 0; 1997 RO, 3, 1, 0; 1997 RM₁, 3, 1, 0; 1997 RP₁, 3, 1, 0; 1997 RS₂, 3, 1, 0; 1997 RR₅, 12, 4, 40; 1997 RY₈, 3, 1, 0; 1997 RP₁₀, 3, 1, 0; 1997 RV₁₀, 3, 1, 0; 1997 RS₁₂, 3, 1, 0; 1997 SY₁, 3, 1, 0; 1997 SN₂, 3, 1, 0; 1997 SH₃, 3, 1, 0; 1997 SG₄, 6, 2, 33; 1997 SE₅, 3, 1, 0; 1997 SK₁₀, 3, 1, 0; 1997 SS₁₀, 9, 3, 16; 1997 SL₁₆, 3, 1, 0; 1997 SN₂₅, 6, 2, 2243; 1997 SH₃₀, 3, 1, 0; 1997 SP₃₀, 6, 2, 21; 1997 TZ₁₀, 3, 1, 0; 1997 TY₁₁, 3, 1, 0; 1997 TL₂₁, 2, 1, 0; 1997 TN₂₂, 3, 1, 0; 1997 TP₂₇, 6, 2, 873; 1997 TZ₂₇, 3, 1, 0; 1997 TB₂₈, 3, 1, 0; 1997 TD₂₈, 3, 1, 0; 1997 TN₂₈, 3, 1, 0; 1997 US₂, 3, 1, 0; 1997 US₃, 6, 2, 11; 1997 UX₈, 3, 1, 0; 1997 UE₁₂, 6, 2, 478; 1997 UU₁₂, 3, 1, 0; 1997 UT₁₇, 3, 1, 0; 1997 UF₂₁, 9, 3, 454; 1997 UN₂₄, 6, 2, 10; 1997 VR, 6, 2, 6; 1997 VA₁, 6, 2, 1508; 1997 VG₂, 3, 1, 0; 1997 VX₄, 6, 2, 437; 1997 VD₅, 6, 2, 10; 1997 VQ₆, 3, 1, 0; 1997 VS₆, 3, 1, 0; 1997 WE₃, 3, 1, 0; 1997 WJ₅, 3, 1, 0; 1997 WE₆, 3, 1, 0; 1997 WA₁₁, 3, 1, 0; 1997 WB₁₁, 3, 1, 0; 1997 WQ₁₁, 3, 1, 0; 1997 WR₁₁, 6, 2, 10; 1997 WM₁₅, 3, 1, 0; 1997 WE₃₆, 6, 2, 2201; 1997 WT₄₁, 6, 2, 422; 1997 WA₄₂, 3, 1, 0; 1997 WK₄₅, 3, 1, 0; 1997 XW, 3, 1, 0; 1997 XC₁, 3, 1, 0; 1997 XX₁, 2, 1, 0; 1997 YP₃, 3, 1, 0; 1997 YU₇, 3, 1, 0; 1997 YZ₇, 6, 2, 6; 1997 YL₁₅, 3, 1, 0; 1998 BK₂, 12, 4, 5; 1998 BZ₉, 9, 2, 1921; 1998 BX₁₀, 6, 2, 4; 1998 BP₂₀, 3, 1, 0; 1998 BF₂₂, 9, 3, 1457; 1998 BS₂₃, 3, 1, 0; 1998 BD₂₇, 3, 1, 0; 1998 BE₃₃, 3, 1, 0; 1998 BO₄₀, 3, 1, 0; 1998 BU₄₈, 3, 1, 0; 1998 CL₁, 3, 1, 0; 1998 CX₂, 3, 1, 0; 1998 DS₉, 3, 1, 0; 1998 DU₁₁, 6, 2, 17; 1998 DQ₂₇, 3, 1, 0; 1998 DN₃₇, 6, 2, 2241; 1998 EN, 3, 1, 0; 1998 EL₃, 3, 1, 0; 1998 EW₁₂, 3, 1, 0; 1998 ER₁₄, 3, 1, 0; 1998 FJ₅, 3, 1, 0; 1998 FA₁₁, 6, 2, 1033; 1998 FB₁₂, 3, 1, 0; 1998 FG₁₄, 3, 1, 0; 1998 FH₁₆, 6, 2, 501; 1998 FR₁₆, 3, 1, 0; 1998 FD₁₇, 6, 2, 1477; 1998 FM₂₇, 3, 1, 0; 1998 FM₂₉, 3, 1, 0; 1998 FD₃₀, 6, 2, 7; 1998 FR₃₀, 6, 2, 2513; 1998 FT₃₄, 3, 1, 0; 1998 FY₄₁, 3, 1, 0; 1998 FM₄₅, 3, 1, 0; 1998 FM₄₆, 3, 1, 0; 1998 FM₄₉, 3, 1, 0; 1998 FK₅₅, 3, 1, 0; 1998 FN₅₅, 3, 1, 0; 1998 FM₅₇, 3, 1, 0; 1998 FL₆₀, 3, 1, 0; 1998 FF₆₃, 3, 1, 0; 1998 FZ₆₃, 6, 2, 16; 1998 FV₆₅, 3, 1, 0; 1998 FM₆₆, 6, 2, 3071; 1998 FM₇₀, 2, 1, 0; 1998 FK₇₈, 3, 1, 0; 1998 FM₇₈, 3, 1, 0; 1998 FT₇₉, 6, 2, 1923; 1998 FJ₁₁₅, 6, 2, 14; 1998 FU₁₂₂, 3, 1, 0; 1998 GQ₁₀, 3, 1, 0; 1998 HD₂₃, 3, 1, 0; 1998 HE₅₂, 3, 1, 0; 1998 HK₅₄, 3, 1, 0; 1998 HK₅₇, 3, 1, 0; 1998 HE₆₀, 3, 1, 0; 1998 HY₆₁, 3, 1, 0; 1998 HS₇₈, 3, 1, 0; 1998 HU₈₆, 2, 1, 0; 1998 HG₉₀, 3, 1, 0; 1998 HC₁₂₄, 3, 1, 0; 1998 HM₁₃₄, 3, 1, 0; 1998 HF₁₄₃, 3, 1, 0; 1998 HZ₁₅₁, 3, 1, 0; 1998 KC₂₀, 3, 1, 0; 1998 KG₂₆, 3, 1, 0; 1998 KY₃₇, 6, 2, 1425; 1998 KV₅₆, 3, 1, 0; 1998 KZ₅₆, 3, 1, 0; 1998 MH₃₄, 6, 2, 443; 1998 OO₅, 3, 1, 0; 1998 OZ₉, 3, 1, 0; 1998 PE, 3, 1, 0; 1998 QZ₁, 3, 1, 0; 1998 QB₇, 3, 1, 0; 1998 QL₁₀, 3, 1, 0; 1998 QZ₁₀, 3, 1, 0; 1998 QK₁₈, 3, 1, 0; 1998 QV₃₁, 2, 1, 0; 1998 QC₃₇, 6, 2, 1014; 1998 QF₃₉, 3, 1, 0; 1998 QU₆₂, 3, 1, 0; 1998 QP₆₇, 3, 1, 0; 1998 QT₇₀, 3, 1, 0; 1998 QN₈₀, 3, 1, 0; 1998 QE₁₀₆, 3, 1, 0; 1998 RB₅, 3, 1, 0; 1998 RL₈, 3, 1, 0; 1998 RY₁₅, 3, 1, 0; 1998 RO₁₈, 6, 2, 900; 1998 RR₁₉, 6, 2, 456; 1998 RB₂₇, 3, 1, 0; 1998 RU₃₂, 3, 1, 0; 1998 RR₄₆, 6, 2, 9; 1998 RA₄₈, 3, 1, 0; 1998 RA₄₉, 3, 1, 0; 1998 RC₄₉, 3, 1, 0; 1998 RX₅₈, 3, 1, 0; 1998 RY₅₈, 3, 1, 0; 1998 RD₅₉, 6, 2, 939; 1998 RF₆₅, 6, 2, 554; 1998 RH₆₅, 6, 2, 1; 1998 RN₇₂, 3, 1, 0; 1998 SJ₁₀, 6, 2, 6; 1998 SW₁₉, 6, 2, 1978; 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3, 1, 0; 1999 YQ₂₅ *, 6, 2, 9; 1999 YR₂₅ *, 3, 1, 0; 1999 YS₂₅ *, 3, 1, 0; 1999 YT₂₅ *, 6, 2, 10; 1999 YU₂₅ *, 6, 2, 10; 1999 YV₂₅ *, 6, 2, 10; 1999 YW₂₅ *, 6, 2, 10; 1999 YX₂₅ *, 6, 2, 11; 1999 YZ₂₅ *, 9, 2, 11; 1999 YA₂₆ *, 6, 2, 12; 1999 YB₂₆ *, 6, 2, 8; 1999 YC₂₆ *, 6, 2, 8; 1999 YD₂₆ *, 6, 2, 8; 1999 YE₂₆ *, 6, 2, 8; 1999 YF₂₆ *, 6, 2, 9; 1999 YG₂₆ *, 6, 2, 9; 1999 YH₂₆ *, 6, 2, 10; 1999 YI₂₆ *, 6, 2, 10; 1999 YJ₂₆ *, 6, 2, 10; 1999 YK₂₆ *, 6, 2, 10; 1999 YL₂₆ *, 6, 2, 10; 1999 YM₂₆ *, 6, 2, 10; 1999 YN₂₆ *, 6, 2, 11; 1999 YO₂₆ *, 6, 2, 11; 1999 YP₂₆ *, 6, 2, 11; 1999 YQ₂₆ *, 6, 2, 11; 1999 YR₂₆ *, 6, 2, 11; 1999 YS₂₆ *, 6, 2, 11; 1999 YT₂₆ *, 6, 2, 11; 1999 YU₂₆ *, 6, 2, 11; 1999 YV₂₆ *, 6, 2, 11; 1999 YW₂₆ *, 6, 2, 11; 1999 YX₂₆ *, 6, 2, 11; 1999 YZ₂₆ *, 6, 2, 11; 1999 YA₂₇ *, 6, 2, 11; 1999 YB₂₇ *, 6, 2, 11; 1999 YC₂₇ *, 6, 2, 12; 1999 YD₂₇ *, 6, 2, 12; 1999 YE₂₇ *, 6, 2, 12; 1999 YF₂₇ *, 6, 2, 12; 1999 YG₂₇ *, 6, 2, 12; 1999 YH₂₇ *, 6, 2, 12; 1999 YI₂₇ *, 6, 2, 12; 1999 YJ₂₇ *, 6, 2, 12; 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1.54-m reflector + CCD

1991 GA₂, 2, 1, 0; 1992 SR₂₄, 2, 1, 0; 1999 VG₁₁₄, 2, 1, 0; 2000 FB₃₂, 4, 1, 0; [10, 4, 0*, 1994/11/30-1996/09/05]

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C. W. Hergenrother (5), M. D. Davis (8), B. Gladman (8), M. Holman (8), B. Gladman (8), J. Kavelaars (8), J. W. Parker (9)

Measurers M. W. Buie (1), T. J. Balonek (2), D. Wittman (3), C. W. Hergenrother (5), B. Gladman (8), J. W. Parker (9)

3.8-m reflector + CCD, 3.6-m WIYN reflector + CCD, 2.3-m Steward reflector + CCD

GSC, USNO-A2.0

{1} 1998 UE₁₉, 2, 1, 0; 1998 WZ₁₄, 2, 1, 0; 1999 UT₅₉, 2, 1, 0; 1999 VR₇₇, 2, 1, 0; 1999 XV₂₃₈ *, 2, 1, 0; 2000 AO₉₃, 4, 1, 0; 2000 AO₁₃₉, 4, 1, 0; 2000 BR₉, 2, 1, 0; 2000 BC₁₀, 2, 1, 0; 2000 BL₃₂, 2, 1, 0; 2000 BC₃₃, 2, 1, 0; 2000 BW₃₄, 2, 1, 0; 2000 BX₃₄, 2, 1, 0; 2000 BQ₄₇, 2, 1, 0; 2000 BR₄₇, 2, 1, 0; 2000 BS₄₇, 2, 1, 0; 2000 BU₄₇, 2, 1, 0; 2000 BV₄₇, 2, 1, 0; 2000 BW₄₇, 2, 1, 0; 2000 BX₄₇, 2, 1, 0; 2000 BY₄₇, 2, 1, 0; 2000 BZ₄₇, 2, 1, 0; 2000 BA₄₈, 2, 1, 0; 2000 BB₄₈, 2, 1, 0; 2000 BC₄₈, 2, 1, 0; 2000 BD₄₈, 2, 1, 0; 2000 BE₄₈, 2, 1, 0; 2000 BF₄₈, 2, 1, 0; 2000 BG₄₈, 2, 1, 0; 2000 BH₄₈, 2, 1, 0; 2000 BJ₄₈, 2, 1, 0; 2000 BK₄₈, 2, 1, 0; 2000 BN₄₈, 2, 1, 0; 2000 BO₄₈, 2, 1, 0; 2000 BP₄₈, 2, 1, 0; 2000 BQ₄₈, 2, 1, 0; 2000 BR₄₈, 2, 1, 0; 2000 BS₄₈, 2, 1, 0; 2000 BV₄₈, 2, 1, 0; 2000 BW₄₈, 2, 1, 0; 2000 BX₄₈, 2, 1, 0; 2000 CJ₂₂, 2, 1, 0; 2000 CO₁₁₃, 2, 1, 0; 2000 CH₁₁₅, 2, 1, 0; 2000 CJ₁₁₅, 2, 1, 0; 2000 CK₁₁₅, 2, 1, 0; 2000 CL₁₁₅, 2, 1, 0; 2000 CM₁₁₅, 2, 1, 0; 2000 CN₁₁₅, 2, 1, 0; 2000 CO₁₁₅, 2, 1, 0; 2000 CP₁₁₅, 2, 1, 0; 2000 CQ₁₁₅, 2, 1, 0; 2000 CR₁₁₅, 2, 1, 0; 2000 CU₁₁₅, 2, 1, 0; 2000 CC₁₁₆, 2, 1, 0; 2000 CD₁₁₆, 2, 1, 0; 2000 CE₁₁₆, 2, 1, 0; 2000 CF₁₁₆, 2, 1, 0; 2000 CG₁₁₆, 2, 1, 0; 2000 CH₁₁₆, 2, 1, 0; 2000 CN₁₁₈, 2, 1, 0; 2000 CO₁₁₈ *, 2, 1, 0; 2000 CP₁₁₈ *, 2, 1, 0; 2000 CQ₁₁₈ *, 2, 1, 0; 2000 CR₁₁₈ *, 2, 1, 0; 2000 CS₁₁₈ *, 2, 1, 0; 2000 CT₁₁₈ *, 2, 1, 0; 2000 CU₁₁₈ *, 2, 1, 0; 2000 CV₁₁₈ *, 2, 1, 0; 2000 CW₁₁₈ *, 2, 1, 0; 2000 CX₁₁₈ *, 2, 1, 0; 2000 CY₁₁₈ *, 2, 1, 0; 2000 CZ₁₁₈ *, 2, 1, 0; 2000 CA₁₁₉ *, 2, 1, 0; 2000 CB₁₁₉ *, 2, 1, 0; 2000 CC₁₁₉ *, 2, 1, 0; 2000 CF₁₁₉ *, 2, 1, 0; 2000 CG₁₁₉ *, 2, 1, 0; 2000 CH₁₁₉ *, 2, 1, 0; 2000 CJ₁₁₉ *, 2, 1, 0; 2000 CK₁₁₉ *, 2, 1, 0; 2000 CT₁₂₀ *, 2, 1, 0; 2000 CU₁₂₀ *, 2, 1, 0; 2000 CV₁₂₀ *, 2, 1, 0; 2000 CW₁₂₀ *, 2, 1, 0; 2000 CM₁₂₆ *, 2, 1, 0; 2000 CL₁₃₉, 2, 1, 0; 2000 CM₁₃₉, 2, 1, 0; 2000 DO₁₆, 2, 1, 0; 2000 DV₁₁₄ *, 2, 1, 0; 2000 EA₂, 2, 1, 0; 2000 EF₇₂, 2, 1, 0; 2000 EF₁₄₂, 2, 1, 0; 2000 GJ₉, 2, 1, 0; 2000 GQ₁₇₁, 2, 1, 0; 2000 GY₁₈₂, 2, 1, 0; 2000 GZ₁₈₂, 2, 1, 0; 2000 GB₁₈₃, 2, 1, 0; 2000 GC₁₈₃, 2, 1, 0; 2000 GD₁₈₃, 2, 1, 0; 2000 GF₁₈₃, 2, 1, 0; 2000 GG₁₈₃, 2, 1, 0; 2000 GH₁₈₃, 2, 1, 0; 2000 GJ₁₈₃, 2, 1, 0; 2000 GK₁₈₃, 2, 1, 0; 2000 GL₁₈₃, 2, 1, 0; 2000 GM₁₈₃, 2, 1, 0; 5114 T-2, 4, 1, 0; [222, 108, 27*, 1999/11/11-2000/04/10]

{2} 1999 NR₇, 3, 1, 0; 1999 XW₃₆, 3, 1, 0; 1999 XT₄₉, 4, 1, 0; [10, 3, 0*, 1993/02/05-1995/04/10]

{3} 1999 XH₂₅₈ *, 8, 2, 1; [8, 1, 1*, 1999/12/12-1999/12/13]

{5} 2000 DN₁₄, 3, 1, 0; [3, 1, 0*, 1996/12/14]

{8} 1997 SN₁₁, 3, 1, 0; [3, 1, 0*, 2000/05/26]

{9} 1998 SN₁₆₅, 6, 2, 2; 1999 DE₉ *, 3, 1, 0; 2000 EE₁₇₃ *, 3, 1, 0; [12, 3, 2*, 1998/09/26-2000/03/03]

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Observers C. W. Hergenrother, P. J. Groot

1.2-m *f*/8 reflector + CCD

USNO-A1.0

{1} 1996 TO₉, 3, 1, 0; 1999 XH₅₆, 3, 1, 0; 2000 JO₄₁, 2, 1, 0; [8, 3, 0*, 1997/05/15–1998/03/08]

{5} 1998 SK₆₂, 2, 1, 0; [2, 1, 0*, 1996/02/16]

699 Lowell Observatory–LONEOS

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Observers B. A. Skiff, W. D. Ferris, M. E. Van Ness, B. W. Koehn

Measurer B. W. Koehn

0.59-m LONEOS Schmidt + CCD

USNO-A2.0

1974 FF, 3, 1, 0; 1975 ST₁, 4, 1, 0; 1976 SB, 4, 1, 0; 1976 UP₁₈, 3, 1, 0; 1978 RU₈, 4, 1, 0; 1979 MG₅, 4, 1, 0; 1979 UR, 8, 2, 1; 1979 XL, 4, 1, 0; 1980 FM₄, 3, 1, 0; 1981 DM, 4, 1, 0; 1981 DA₁, 4, 1, 0; 1981 DA₂, 8, 2, 1; 1981 ES₃, 8, 2, 26; 1981 ER₂₆, 12, 3, 5; 1981 EL₂₉, 8, 2, 1; 1981 EA₃₁, 3, 1, 0; 1981 UU₂₂, 9, 3, 30; 1982 VN₂, 9, 3, 56; 1984 SN₆, 8, 2, 1; 1984 SW₆, 4, 1, 0; 1985 RP₄, 4, 1, 0; 1985 RJ₅, 4, 1, 0; 1986 QG₁, 8, 2, 1; 1987 KG₅, 4, 1, 0; 1987 QH, 3, 1, 0; 1987 SU₁, 4, 1, 0; 1987 SX₁₀, 4, 1, 0; 1988 AD₅, 3, 1, 0; 1988 BJ, 8, 1, 0; 1988 BT₃, 8, 2, 1; 1988 CD₂, 4, 1, 0; 1988 CE₂, 8, 2, 1; 1988 CZ₄, 4, 1, 0; 1988 CR₇, 4, 1, 0; 1988 VL₃, 3, 1, 0; 1989 AN₃, 3, 1, 0; 1989 AR₅, 8, 2, 1; 1989 GZ₁, 3, 1, 0; 1989 RN₂, 4, 1, 0; 1989 SP₁, 4, 1, 0; 1989 TN, 8, 2, 1; 1989 VJ, 4, 1, 0; 1989 WY₁, 3, 1, 0; 1989 WN₂, 3, 1, 0; 1990 FJ₂, 8, 2, 5; 1990 QV₂, 4, 1, 0; 1990 QG₃, 8, 1, 0; 1990 QF₄, 8, 2, 1; 1990 QD₈, 4, 1, 0; 1990 SB₂, 8, 2, 1; 1990 SP₈, 4, 1, 0; 1990 SP₉, 3, 1, 0; 1990 SU₉, 8, 2, 1; 1990 TQ₁, 8, 2, 1; 1990 TG₅, 3, 1, 0; 1990 UB, 8, 2, 1; 1990 UC₅, 8, 2, 1; 1990 VU₄, 8, 2, 1; 1990 VZ₅, 8, 2, 1; 1991 GZ₆, 3, 1, 0; 1991 PW₁₈, 9, 3, 47; 1991 PK₃₁, 4, 1, 0; 1991 RV₇, 4, 1, 0; 1991 RP₁₂, 3, 1, 0; 1991 RV₂₃, 3, 1, 0; 1991 RW₂₃, 4, 1, 0; 1991 RG₂₅, 12, 3, 5; 1991 SJ, 3, 1, 0; 1991 UD₂, 3, 1, 0; 1992 BD₂, 8, 2, 1; 1992 CZ₂, 4, 1, 0; 1992 DC₁, 8, 2, 1; 1992 DD₇, 4, 1, 0; 1992 DY₈, 4, 1, 0; 1992 DD₉, 3, 1, 0; 1992 DD₁₀, 8, 2, 1; 1992 DA₁₂, 4, 1, 0; 1992 EP, 4, 1, 0; 1992 ET₉, 4, 1, 0; 1992 EQ₂₆, 4, 1, 0; 1992 FK₁, 4, 1, 0; 1992 GM₄, 4, 1, 0; 1992 RE₃, 3, 1, 0; 1992 SE, 8, 2, 5; 1992 ST, 4, 1, 0; 1992 SM₂, 3, 1, 0; 1992 SL₂₃, 4, 1, 0; 1992 SR₂₄, 4, 1, 0; 1992 TM₁, 4, 1, 0; 1992 UO₆, 4, 1, 0; 1992 WU₁, 4, 1, 0; 1993 BV₅, 6, 2, 30; 1993 BD₁₃, 4, 1, 0; 1993 DN, 4, 1, 0; 1993 FB₉, 8, 2, 1; 1993 FQ₁₀, 4, 1, 0; 1993 FQ₁₆, 4, 1, 0; 1993 FR₁₈, 4, 1, 0; 1993 FW₃₄, 4, 1, 0; 1993 FK₃₈, 4, 1, 0; 1993 FW₄₀, 4, 1, 0; 1993 FE₇₈, 3, 1, 0; 1993 GM₁, 4, 1, 0; 1993 JK, 4, 1, 0; 1993 KO, 4, 1, 0; 1993 LK₁, 3, 1, 0; 1993 OY₃, 4, 1, 0; 1993 OZ₃, 4, 1, 0; 1993 OH₉, 8, 2, 1; 1993 QP₂, 4, 1, 0; 1993 RX₅, 3, 1, 0; 1993 TM₁, 8, 2, 1; 1993 TG₃₁, 4, 1, 0; 1993 TP₃₇, 4, 1, 0; 1993 TJ₃₈, 4, 1, 0; 1993 TY₃₈, 8, 2, 1; 1993 TB₃₉, 3, 1, 0; 1993 UD₈, 4, 1, 0; 1993 VS₁, 4, 1, 0; 1993 VZ₄, 4, 1, 0; 1993 XN, 4, 1, 0; 1993 XP, 4, 1, 0; 1994 AF, 4, 1, 0; 1994 AK₁, 4, 1, 0; 1994 BA₁, 4, 1, 0; 1994 BR₃, 4, 1, 0; 1994 CK₁₄, 4, 1, 0; 1994 ED₆, 4, 1, 0; 1994 GD₁, 4, 1, 0; 1994 ND₁, 4, 1, 0; 1994 PV₂₉, 4, 1, 0; 1994 PM₃₁, 3, 1, 0; 1994 PM₃₆, 4, 1, 0; 1994 TS, 3, 1, 0; 1994 TU₁₄, 4, 1, 0; 1994 VS, 4, 1, 0; 1994 VX, 4, 1, 0; 1994 YG₁, 4, 1, 0; 1994 YK₁, 3, 1, 0; 1994 YC₂, 3, 1, 0; 1995 BS, 8, 2, 1; 1995 BC₄, 8, 2, 1; 1995 DC, 4, 1, 0; 1995 DU, 3, 1, 0; 1995 DX₅, 7, 2, 139; 1995 EO₈, 8, 2, 1; 1995 SO₁, 4, 1, 0; 1995 SO₃, 8, 2, 1; 1995 SZ₄₃, 4, 1, 0; 1995 UX₆, 4, 1, 0; 1995 UJ₈, 4, 1, 0; 1995 WD, 3, 1, 0; 1995 WG₂, 3, 1, 0; 1995 YS, 4, 1, 0; 1995 YO₁, 4, 1, 0; 1995 YJ₄, 4, 1, 0; 1995 YO₅, 3, 1, 0; 1996 AH₄, 3, 1, 0; 1996 AA₁₄, 4, 1, 0; 1996 AE₁₄, 4, 1, 0; 1996 CD₂, 3, 1, 0; 1996 DR, 4, 1, 0; 1996 EK₁₅, 3, 1, 0; 1996 GF₁, 4, 1, 0; 1996 GU₁, 3, 1, 0; 1996 GH₂₀, 8, 2, 32; 1996 HK₁, 4, 1, 0; 1996 HO₁, 4, 1, 0; 1996 HJ₈, 3, 1, 0; 1996 HM₁₃, 3, 1, 0; 1996 HZ₂₂, 4, 1, 0; 1996 HQ₂₃, 4, 1, 0; 1996 HL₂₅, 8, 2, 1; 1996 HP₂₅, 6, 2, 57; 1996 HU₂₅, 4, 1, 0; 1996 JN, 4, 1, 0; 1996 JT, 4, 1, 0; 1996 LV₁, 4, 1, 0; 1996 LM₂, 3, 1, 0; 1996 MB, 4, 1, 0; 1996 NB, 4, 1, 0; 1996 NY₃, 4, 1, 0; 1996 PC₃, 4, 1, 0; 1996 PD₃, 4, 1, 0; 1996 PM₃, 4, 1, 0; 1996 PS₃, 9, 3, 48; 1996 PM₉, 4, 1, 0; 1996 QE, 4, 1, 0; 1996 QL, 4, 1, 0; 1996 RW, 4, 1, 0; 1996 RT₃, 4, 1, 0; 1996 RJ₄, 8, 2, 1; 1996 RD₅, 4, 1, 0; 1996 RO₅, 4, 1, 0; 1996 RQ₁₁, 8, 2, 1; 1996 RK₂₅, 4, 1, 0; 1996 SB₂, 4, 1, 0; 1996 TH₇, 4, 1, 0; 1996 TE₈, 4, 1, 0; 1996 TG₁₂, 4, 1, 0; 1996 TS₃₂, 4, 1, 0; 1996 VD₈, 8, 2, 33; 1996 VO₃₈, 8, 2, 1; 1996 XC₃, 4, 1, 0; 1996 XW₈, 3, 1, 0; 1996 XU₁₈, 8, 2, 1; 1997 AL₁, 4, 1, 0; 1997 AT₁, 4, 1, 0; 1997 AZ₁, 4, 1, 0; 1997 BV₄, 4, 1, 0; 1997 BJ₅, 4, 1, 0; 1997 CN₄, 3, 1, 0; 1997 CA₁₇, 4, 1, 0; 1997 CE₂₆, 4, 1, 0; 1997 CH₂₈, 8, 2, 1; 1997 FM₁, 8, 2, 14; 1997 GU₁, 3, 1, 0; 1997 GK₃₆, 6, 2, 22; 1997 GE₄₂, 3, 1, 0; 1997 HA₉, 6, 2, 20; 1997 MV, 8, 2, 1; 1997 MK₃, 4, 1, 0; 1997 MP₃, 8, 2, 1; 1997 MK₄, 4, 1, 0; 1997 NP₂, 4, 1, 0; 1997 NO₄, 3, 1, 0; 1997 NY₅, 8, 2, 8; 1997 PD₅, 4, 1, 0; 1997 QN, 4, 1, 0; 1997 SL₃, 4, 1, 0; 1997 SG₄, 3, 1, 0; 1997 SD₁₁, 8, 2, 1; 1997 TE₁₂, 3, 1, 0; 1997 TM₁₇, 4, 1, 0; 1997 TU₁₇, 4, 1, 0; 1997 TA₂₈, 3, 1, 0; 1997 UF, 4, 1, 0; 1997 UH, 8, 2, 1; 1997 UT, 4, 1, 0; 1997 UQ₃, 4, 1, 0; 1997 UL₇, 4, 1, 0; 1997 UU₁₀, 4, 1, 0; 1997 UT₂₁, 4, 1, 0; 1997 UB₂₅, 8, 2, 1; 1997 VR, 4, 1, 0; 1997 VA₁, 4, 1, 0; 1997 VA₅, 4, 1, 0; 1997 VF₆, 4, 1, 0; 1997 VM₆, 4, 1, 0; 1997 VQ₆, 4, 1, 0; 1997 VS₆, 4, 1, 0; 1997 VC₈, 4, 1, 0; 1997 WJ, 4, 1, 0; 1997 WQ, 4, 1, 0; 1997 WV₂, 8, 2, 1; 1997 WS₂₀, 4, 1, 0; 1997 WT₃₉, 3, 1, 0; 1997 WR₄₃, 3, 1, 0; 1997 WV₄₄, 4, 1, 0; 1997 WE₄₇, 8, 2, 1; 1997 XO, 8, 2, 29; 1997 XW, 8,

2, 24; 1997 XC₁, 3, 1, 0; 1997 XY₆, 3, 1, 0; 1997 XK₁₃, 4, 1, 0; 1997 YB, 4, 1, 0; 1997 YD, 8, 2, 1; 1997 YQ, 4, 1, 0; 1997 YT, 4, 1, 0; 1997 YG₅, 8, 2, 1; 1997 YP₅, 4, 1, 0; 1997 YX₆, 8, 2, 1; 1997 YB₇, 4, 1, 0; 1997 YZ₈, 4, 1, 0; 1997 YB₁₂, 4, 1, 0; 1997 YU₁₃, 4, 1, 0; 1997 YB₁₄, 4, 1, 0; 1997 YH₁₄, 8, 2, 1; 1997 YP₁₆, 4, 1, 0; 1998 AZ, 8, 2, 1; 1998 AK₃, 8, 2, 1; 1998 AH₅, 4, 1, 0; 1998 AP₇, 4, 1, 0; 1998 AL₁₀, 4, 1, 0; 1998 BE, 8, 2, 5; 1998 BT, 4, 1, 0; 1998 BA₁, 4, 1, 0; 1998 BJ₁, 8, 2, 1; 1998 BW₆, 8, 2, 1; 1998 BD₈, 8, 2, 1; 1998 BW₈, 4, 1, 0; 1998 BH₁₂, 4, 1, 0; 1998 BS₁₃, 4, 1, 0; 1998 BE₁₅, 8, 2, 1; 1998 BZ₂₄, 3, 1, 0; 1998 BV₂₉, 3, 1, 0; 1998 BQ₄₁, 4, 1, 0; 1998 CC₁, 4, 1, 0; 1998 CS₂, 4, 1, 0; 1998 CY₃, 8, 2, 1; 1998 CJ₄, 8, 2, 1; 1998 DU₂, 4, 1, 0; 1998 DQ₉, 4, 1, 0; 1998 DD₁₅, 4, 1, 0; 1998 DN₂₀, 8, 2, 1; 1998 DP₂₃, 8, 2, 1; 1998 DY₂₃, 8, 2, 1; 1998 DE₃₄, 8, 2, 1; 1998 DW₃₄, 4, 1, 0; 1998 EL₆, 4, 1, 0; 1998 EW₁₁, 8, 2, 1; 1998 FG₁₆, 4, 1, 0; 1998 FH₁₈, 3, 1, 0; 1998 FC₂₉, 4, 1, 0; 1998 FW₃₉, 3, 1, 0; 1998 FK₅₅, 8, 2, 31; 1998 FB₆₃, 4, 1, 0; 1998 FK₆₆, 4, 1, 0; 1998 FX₆₈, 4, 1, 0; 1998 FP₇₃, 4, 1, 0; 1998 FF₇₄, 4, 1, 0; 1998 FM₈₅, 11, 2, 1; 1998 FV₈₈, 4, 1, 0; 1998 FL₁₀₃, 8, 2, 1; 1998 FT₁₀₃, 3, 1, 0; 1998 FW₁₀₈, 4, 1, 0; 1998 FY₁₁₉, 8, 2, 1; 1998 FC₁₂₉, 3, 1, 0; 1998 HK₅₄, 3, 1, 0; 1998 HK₅₇, 3, 1, 0; 1998 HE₆₀, 3, 1, 0; 1998 HO₆₂, 3, 1, 0; 1998 HW₇₂, 3, 1, 0; 1998 HS₇₈, 3, 1, 0; 1998 HQ₈₀, 3, 1, 0; 1998 HD₈₂, 3, 1, 0; 1998 HU₉₀, 3, 1, 0; 1998 HD₁₁₀, 3, 1, 0; 1998 HU₁₂₀, 3, 1, 0; 1998 HQ₁₂₁, 3, 1, 0; 1998 HM₁₂₃, 3, 1, 0; 1998 HM₁₂₄, 3, 1, 0; 1998 HN₁₂₄, 3, 1, 0; 1998 HE₁₂₅, 3, 1, 0; 1998 HA₁₃₃, 4, 1, 0; 1998 JC₃, 3, 1, 0; 1998 KT₁₂, 3, 1, 0; 1998 KW₁₈, 3, 1, 0; 1998 KQ₁₉, 3, 1, 0; 1998 KC₂₀, 3, 1, 0; 1998 KK₂₁, 3, 1, 0; 1998 KK₂₂, 6, 2, 23; 1998 KT₂₂, 3, 1, 0; 1998 KK₂₃, 6, 2, 43; 1998 KR₂₇, 6, 2, 17; 1998 KT₃₁, 3, 1, 0; 1998 KK₃₂, 3, 1, 0; 1998 KS₃₇, 3, 1, 0; 1998 KM₄₂, 3, 1, 0; 1998 KU₄₈, 6, 2, 58; 1998 KA₅₀, 3, 1, 0; 1998 KC₅₀, 6, 2, 20; 1998 KE₅₀, 6, 2, 33; 1998 KZ₅₆, 3, 1, 0; 1998 KM₅₉, 6, 2, 21; 1998 MO₈, 3, 1, 0; 1998 MA₁₁, 4, 1, 0; 1998 OZ₇, 3, 1, 0; 1998 QB₇, 3, 1, 0; 1998 Q₈, 6, 2, 62; 1998 QA₁₀, 6, 2, 12; 1998 QL₁₀, 3, 1, 0; 1998 QZ₁₀, 9, 3, 82; 1998 QM₁₂, 3, 1, 0; 1998 QX₁₄, 3, 1, 0; 1998 QW₁₆, 3, 1, 0; 1998 QK₁₈, 3, 1, 0; 1998 QU₂₄, 6, 2, 42; 1998 QV₃₁, 6, 2, 55; 1998 QC₃₇, 6, 2, 19; 1998 QJ₃₈, 3, 1, 0; 1998 QO₄₁, 6, 2, 19; 1998 QH₄₅, 6, 2, 10; 1998 QZ₄₇, 3, 1, 0; 1998 QZ₄₇, 6, 2, 26; 1998 QV₄₉, 6, 2, 55; 1998 QK₅₀, 3, 1, 0; 1998 QY₅₃, 3, 1, 0; 1998 QU₅₄, 3, 1, 0; 1998 QG₆₂, 3, 1, 0; 1998 QY₆₃, 3, 1, 0; 1998 QZ₆₃, 3, 1, 0; 1998 QC₆₄, 3, 1, 0; 1998 QF₆₄, 3, 1, 0; 1998 QP₆₄, 6, 2, 31; 1998 QJ₆₆, 3, 1, 0; 1998 QT₆₆, 6, 2, 23; 1998 QO₆₇, 3, 1, 0; 1998 QF₆₇, 3, 1, 0; 1998 QY₆₇, 3, 1, 0; 1998 QQ₆₈, 3, 1, 0; 1998 QW₆₈, 3, 1, 0; 1998 QY₆₈, 3, 1, 0; 1998 QH₆₉, 12, 4, 149; 1998 QH₇₀, 3, 1, 0; 1998 QO₇₁, 3, 1, 0; 1998 QK₇₃, 6, 2, 19; 1998 QG₇₅, 9, 3, 42; 1998 QJ₇₆, 3, 1, 0; 1998 QR₇₆, 9, 3, 59; 1998 QU₇₆, 7, 2, 531; 1998 QA₇₇, 6, 2, 27; 1998 QB₇₈, 7, 2, 523; 1998 QX₇₈, 6, 2, 28; 1998 QN₈₀, 3, 1, 0; 1998 QU₈₂, 6, 2, 44; 1998 QZ₈₂, 3, 1, 0; 1998 QW₈₆, 3, 1, 0; 1998 QG₈₇, 3, 1, 0; 1998 QK₈₇, 3, 1, 0; 1998 QN₈₇, 3, 1, 0; 1998 QW₈₇, 3, 1, 0; 1998 QF₈₈, 3, 1, 0; 1998 QC₈₉, 3, 1, 0; 1998 QE₈₉, 3, 1, 0; 1998 QF₈₉, 3, 1, 0; 1998 QG₈₉, 9, 2, 20; 1998 QW₈₉, 6, 2, 56; 1998 QL₉₀, 9, 3, 54; 1998 QM₉₀, 3, 1, 0; 1998 QD₉₄, 9, 3, 59; 1998 QB₉₅, 3, 1, 0; 1998 QL₁₀₀, 3, 1, 0; 1998 QE₁₀₁, 3, 1, 0; 1998 RQ₆, 3, 1, 0; 1998 RG₁₆, 3, 1, 0; 1998 RC₁₇, 3, 1, 0; 1998 RW₁₇, 6, 2, 20; 1998 RO₁₈, 3, 1, 0; 1998 RN₁₉, 3, 1, 0; 1998 RR₁₉, 3, 1, 0; 1998 RY₁₉, 3, 1, 0; 1998 RM₂₀, 3, 1, 0; 1998 RC₂₃, 3, 1, 0; 1998 RS₂₅, 6, 2, 19; 1998 RG₂₆, 6, 2, 25; 1998 RB₂₇, 3, 1, 0; 1998 RH₂₇, 3, 1, 0; 1998 RL₂₇, 6, 2, 16; 1998 RV₂₇, 3, 1, 0; 1998 RU₂₈, 3, 1, 0; 1998 RJ₃₁, 3, 1, 0; 1998 RS₃₁, 3, 1, 0; 1998 RN₃₃, 3, 1, 0; 1998 RA₃₄, 3, 1, 0; 1998 RJ₃₄, 6, 2, 15; 1998 RL₃₄, 6, 2, 19; 1998 RB₃₇, 3, 1, 0; 1998 RM₃₈, 3, 1, 0; 1998 RS₃₉, 9, 3, 43; 1998 RH₄₁, 6, 2, 30; 1998 RA₄₉, 3, 1, 0; 1998 RD₅₉, 3, 1, 0; 1998 RD₆₀, 6, 2, 19; 1998 RW₆₃, 3, 1, 0; 1998 RN₇₂, 3, 1, 0; 1998 SA₁₀, 3, 1, 0; 1998 SC₁₀, 3, 1, 0; 1998 SK₁₀, 3, 1, 0; 1998 SX₁₀, 3, 1, 0; 1998 SE₁₂, 3, 1, 0; 1998 SQ₁₃, 3, 1, 0; 1998 SB₂₂, 3, 1, 0; 1998 SN₃₇, 4, 1, 0; 1998 SU₄₃, 3, 1, 0; 1998 SV₄₉, 3, 1, 0; 1998 SE₆₁, 9, 3, 79; 1998 SH₆₁, 3, 1, 0; 1998 SA₆₂, 6, 2, 49; 1998 SK₆₂, 6, 2, 89; 1998 SO₆₇, 6, 2, 23; 1998 SU₆₈, 3, 1, 0; 1998 SA₆₉, 3, 1, 0; 1998 SW₆₉, 3, 1, 0; 1998 SN₇₂, 3, 1, 0; 1998 SQ₇₄, 3, 1, 0; 1998 SD₇₅, 10, 3, 540; 1998 SR₇₆, 3, 1, 0; 1998 SB₇₇, 3, 1, 0; 1998 ST₇₇, 3, 1, 0; 1998 SD₇₉, 3, 1, 0; 1998 SA₈₂, 3, 1, 0; 1998 SL₈₂, 6, 2, 20; 1998 SQ₈₂, 3, 1, 0; 1998 ST₈₂, 6, 2, 26; 1998 SV₈₂, 9, 3, 83; 1998 SR₈₃, 3, 1, 0; 1998 SZ₈₄, 3, 1, 0; 1998 SX₈₆, 7, 2, 530; 1998 SP₈₇, 3, 1, 0; 1998 SV₉₃, 3, 1, 0; 1998 SH₉₅, 3, 1, 0; 1998 SG₉₈, 6, 2, 32; 1998 SG₁₀₀, 6, 2, 16; 1998 SH₁₀₀, 6, 2, 24; 1998 SK₁₀₂, 3, 1, 0; 1998 SC₁₀₄, 3, 1, 0; 1998 SQ₁₀₄, 6, 2, 30; 1998 SQ₁₀₇, 3, 1, 0; 1998 SU₁₀₇, 3, 1, 0; 1998 SW₁₀₇, 6, 2, 26; 1998 SS₁₀₈, 6, 2, 24; 1998 SV₁₀₈, 3, 1, 0; 1998 SF₁₀₉, 6, 2, 24; 1998 ST₁₁₁, 6, 2, 24; 1998 SE₁₁₂, 3, 1, 0; 1998 SU₁₂₃, 6, 2, 23; 19

1998 VV₂₃, 6, 2, 37; 1998 VY₂₃, 9, 3, 59; 1998 VD₂₄, 3, 1, 0; 1998 VJ₂₄, 3, 1, 0; 1998 VM₂₄, 9, 3, 60; 1998 VP₂₅, 3, 1, 0; 1998 VD₂₆, 6, 2, 36; 1998 VM₂₈, 6, 2, 17; 1998 VK₂₉, 3, 1, 0; 1998 VX₂₉, 4, 1, 0; 1998 VP₃₀, 6, 2, 21; 1998 VL₃₁, 4, 1, 0; 1998 VR₃₂, 4, 1, 0; 1998 VX₃₃, 3, 1, 0; 1998 VQ₃₆, 3, 1, 0; 1998 VB₃₇, 6, 2, 24; 1998 VV₃₇, 3, 1, 0; 1998 VL₃₉, 6, 2, 30; 1998 VQ₄₄, 3, 1, 0; 1998 VG₄₅, 3, 1, 0; 1998 VS₄₅, 6, 2, 37; 1998 VT₄₅, 3, 1, 0; 1998 VU₄₅, 3, 1, 0; 1998 VC₄₆, 9, 3, 84; 1998 VG₄₆, 3, 1, 0; 1998 VU₄₆, 3, 1, 0; 1998 VW₄₆, 3, 1, 0; 1998 VE₄₇, 3, 1, 0; 1998 VG₄₇, 3, 1, 0; 1998 VH₄₇, 3, 1, 0; 1998 VJ₄₇, 6, 2, 9; 1998 VK₄₇, 3, 1, 0; 1998 VC₄₉, 3, 1, 0; 1998 VD₄₉, 3, 1, 0; 1998 VE₄₉, 3, 1, 0; 1998 VF₄₉, 3, 1, 0; 1998 VH₄₉, 3, 1, 0; 1998 VJ₄₉, 3, 1, 0; 1998 VM₄₉, 3, 1, 0; 1998 VN₄₉, 3, 1, 0; 1998 VO₄₉, 3, 1, 0; 1998 VP₄₉, 3, 1, 0; 1998 VT₄₉, 3, 1, 0; 1998 VU₄₉, 3, 1, 0; 1998 VW₄₉, 3, 1, 0; 1998 VZ₄₉, 6, 2, 23; 1998 VK₅₀, 3, 1, 0; 1998 VM₅₀, 3, 1, 0; 1998 VO₅₀, 3, 1, 0; 1998 VP₅₀, 3, 1, 0; 1998 VQ₅₀, 3, 1, 0; 1998 VS₅₀, 3, 1, 0; 1998 VT₅₀, 3, 1, 0; 1998 VU₅₀, 3, 1, 0; 1998 VV₅₀, 3, 1, 0; 1998 VY₅₀, 3, 1, 0; 1998 VZ₅₀, 3, 1, 0; 1998 VE₅₁, 9, 3, 60; 1998 VG₅₁, 3, 1, 0; 1998 VH₅₁, 3, 1, 0; 1998 VJ₅₁, 3, 1, 0; 1998 VK₅₁, 3, 1, 0; 1998 VL₅₁, 3, 1, 0; 1998 VM₅₁, 3, 1, 0; 1998 VN₅₁, 3, 1, 0; 1998 VO₅₁, 3, 1, 0; 1998 VP₅₁, 3, 1, 0; 1998 VQ₅₁, 3, 1, 0; 1998 VR₅₁, 3, 1, 0; 1998 VS₅₁, 3, 1, 0; 1998 VT₅₁, 3, 1, 0; 1998 VU₅₁, 3, 1, 0; 1998 VV₅₁, 6, 2, 30; 1998 VW₅₁, 3, 1, 0; 1998 VX₅₁, 3, 1, 0; 1998 VY₅₁, 9, 3, 46; 1998 VZ₅₁, 3, 1, 0; 1998 VA₅₂, 3, 1, 0; 1998 VB₅₂, 3, 1, 0; 1998 VC₅₂, 3, 1, 0; 1998 VD₅₂, 3, 1, 0; 1998 VE₅₂, 3, 1, 0; 1998 VG₅₂, 3, 1, 0; 1998 VH₅₂, 3, 1, 0; 1998 VJ₅₂, 3, 1, 0; 1998 VK₅₂, 3, 1, 0; 1998 VL₅₂, 3, 1, 0; 1998 VM₅₂, 3, 1, 0; 1998 VN₅₂, 3, 1, 0; 1998 VO₅₂, 3, 1, 0; 1998 VP₅₂, 3, 1, 0; 1998 VQ₅₂, 3, 1, 0; 1998 VR₅₂, 6, 2, 60; 1998 VS₅₂, 3, 1, 0; 1998 VT₅₂, 3, 1, 0; 1998 VU₅₂, 3, 1, 0; 1998 VV₅₂, 9, 3, 52; 1998 VX₅₂, 3, 1, 0; 1998 VB₅₃, 3, 1, 0; 1998 VN₅₃, 3, 1, 0; 1998 VQ₅₃, 3, 1, 0; 1998 VR₅₃, 6, 2, 45; 1998 VT₅₃, 3, 1, 0; 1998 VU₅₃, 6, 2, 56; 1998 VG₅₄, 3, 1, 0; 1998 VJ₅₄, 3, 1, 0; 1998 VN₅₄, 3, 1, 0; 1998 VO₅₄, 3, 1, 0; 1998 VT₅₄, 3, 1, 0; 1998 VX₅₄, 3, 1, 0; 1998 VB₅₅, 3, 1, 0; 1998 VC₅₅, 6, 2, 31; 1998 VD₅₅, 6, 2, 86; 1998 VQ₅₅, 3, 1, 0; 1998 WL₂, 4, 1, 0; 1998 WX₂, 3, 1, 0; 1998 WJ₃, 8, 2, 1; 1998 WU₄, 4, 1, 0; 1998 WB₆, 4, 1, 0; 1998 WK₇, 3, 1, 0; 1998 WB₉, 3, 1, 0; 1998 WU₉, 3, 1, 0; 1998 WB₁₁, 3, 1, 0; 1998 WK₁₁, 13, 4, 564; 1998 WM₁₁, 3, 1, 0; 1998 WU₁₁, 3, 1, 0; 1998 WX₁₁, 3, 1, 0; 1998 WY₁₁, 3, 1, 0; 1998 WL₁₃, 3, 1, 0; 1998 WO₁₃, 3, 1, 0; 1998 WZ₁₃, 4, 1, 0; 1998 WN₁₅, 3, 1, 0; 1998 WP₁₇, 7, 2, 517; 1998 WR₁₇, 3, 1, 0; 1998 WP₁₉, 3, 1, 0; 1998 WB₂₁, 6, 2, 16; 1998 WY₂₁, 9, 3, 35; 1998 WE₂₂, 9, 3, 53; 1998 WP₂₂, 4, 1, 0; 1998 WB₂₄, 4, 1, 0; 1998 WA₃₄, 3, 1, 0; 1998 WR₃₄, 3, 1, 0; 1998 WM₃₅, 3, 1, 0; 1998 WM₃₅, 3, 1, 0; 1998 WR₃₆, 3, 1, 0; 1998 WD₃₇, 3, 1, 0; 1998 WB₄₀, 3, 1, 0; 1998 WT₄₀, 3, 1, 0; 1998 WU₄₀, 3, 1, 0; 1998 WW₄₀, 3, 1, 0; 1998 WX₄₀, 3, 1, 0; 1998 WY₄₀, 3, 1, 0; 1998 WA₄₁, 6, 2, 13; 1998 WB₄₁, 3, 1, 0; 1998 WC₄₁, 6, 2, 13; 1998 WG₄₁, 3, 1, 0; 1998 WK₄₁, 3, 1, 0; 1998 WM₄₁, 3, 1, 0; 1998 WN₄₁, 3, 1, 0; 1998 WO₄₁, 6, 2, 13; 1998 WP₄₁, 3, 1, 0; 1998 WQ₄₁, 3, 1, 0; 1998 WR₄₁, 3, 1, 0; 1998 WS₄₁, 3, 1, 0; 1998 WT₄₁, 3, 1, 0; 1998 WU₄₁, 3, 1, 0; 1998 WW₄₁, 3, 1, 0; 1998 WX₄₁, 3, 1, 0; 1998 WY₄₁, 3, 1, 0; 1998 WZ₄₁, 3, 1, 0; 1998 WA₄₂, 3, 1, 0; 1998 WM₄₂, 3, 1, 0; 1998 WN₄₂, 3, 1, 0; 1998 WO₄₂, 6, 2, 61; 1998 WP₄₂, 3, 1, 0; 1998 WQ₄₂, 6, 2, 38; 1998 WR₄₂, 3, 1, 0; 1998 WS₄₂, 3, 1, 0; 1998 XF₁₃, 6, 2, 37; 1998 XC₁₄, 8, 2, 1; 1998 XA₁₇, 3, 1, 0; 1998 XQ₂₃, 3, 1, 0; 1998 XM₂₇, 3, 1, 0; 1998 XQ₂₈, 3, 1, 0; 1998 XA₄₀, 4, 1, 0; 1998 XF₅₁, 4, 1, 0; 1998 XL₅₁, 3, 1, 0; 1998 XH₆₂, 9, 3, 46; 1998 XC₆₃, 3, 1, 0; 1998 XT₆₅, 3, 1, 0; 1998 XJ₆₇, 3, 1, 0; 1998 XA₇₅, 3, 1, 0; 1998 XF₇₈, 3, 1, 0; 1998 XL₇₈, 3, 1, 0; 1998 XU₉₃, 8, 2, 12; 1998 XH₉₆, 8, 2, 1; 1998 XZ₉₇, 6, 2, 10; 1998 XU₉₈, 3, 1, 0; 1998 XW₉₈, 3, 1, 0; 1998 XX₉₈, 3, 1, 0; 1998 XB₉₉, 9, 3, 61; 1998 XC₉₉, 3, 1, 0; 1998 XD₉₉, 3, 1, 0; 1998 XE₉₉, 3, 1, 0; 1998 XG₉₉, 3, 1, 0; 1998 XH₉₉, 3, 1, 0; 1998 YA₂, 4, 1, 0; 1998 YJ₂, 4, 1, 0; 1998 YK₈, 4, 1, 0; 1998 YW₁₀, 8, 2, 24; 1998 YC₁₂, 8, 2, 1; 1998 YA₁₈, 3, 1, 0; 1998 YR₂₇, 4, 1, 0; 1998 YZ₂₇, 3, 1, 0; 1998 YZ₂₉, 4, 1, 0; 1998 YD₃₂, 3, 1, 0; 1998 YE₃₂, 3, 1, 0; 1998 AZ₃, 1, 0; 1999 AO₄, 4, 1, 0; 1999 AB₅, 4, 1, 0; 1999 AG₆, 3, 1, 0; 1999 AH₆, 3, 1, 0; 1999 AH₇, 4, 1, 0; 1999 AP₈, 3, 1, 0; 1999 AW₁₆, 4, 1, 0; 1999 AH₁₈, 3, 1, 0; 1999 AV₂₀, 3, 1, 0; 1999 AR₂₁, 4, 1, 0; 1999 AG₂₃, 8, 2, 31; 1999 AH₂₃, 3, 1, 0; 1999 AK₂₃, 3, 1, 0; 1999 AV₃₇, 3, 1, 0; 1999 AC₃₈, 3, 1, 0; 1999 AH₃₈, 6, 2, 93; 1999 AJ₃₈, 3, 1, 0; 1999 AK₃₈, 9, 3, 88; 1999 AL₃₈, 3, 1, 0; 1999 AM₃₈, 3, 1, 0; 1999 AN₃₈, 3, 1, 0; 1999 BP₁, 4, 1, 0; 1999 BX₂, 4, 1, 0; 1999 BF₃, 4, 1, 0; 1999 BX₅, 4, 1, 0; 1999 BG₆, 4, 1, 0; 1999 BF₇, 8, 2, 1; 1999 BM₁₀, 4, 1, 0; 1999 BC₁₁, 4, 1, 0; 1999 BJ₁₇, 6, 2, 5; 1999 BP₁₈, 6, 2, 5; 1999 BA₁₉, 3, 1, 0; 1999 BQ₂₀, 3, 1, 0; 1999 BS₂₀, 3, 1, 0; 1999 BJ₂₁, 3, 1, 0; 1999 BQ₂₃, 3, 1, 0; 1999 BB₂₅, 6, 2, 23; 1999 BJ₂₅, 3, 1, 0; 1999 BY₂₇, 9, 3, 43; 1999 BQ₃₄, 3, 1, 0; 1999 BR₃₄, 3, 1, 0; 1999 BS₃₄, 3, 1, 0; 1999 BT₃₄, 3, 1, 0; 1999 BU₃₄, 6, 2, 21; 1999 BV₃₄, 3, 1, 0; 1999 CV₈, 8, 2, 1; 1999 CL₃, 4, 1, 0; 1999 CA₆, 8, 2, 33; 1999 CF₆, 3, 1, 0; 1999 CE₇, 3, 1, 0; 1999 CR₈, 4, 1, 0; 1999 CO₁₅, 3, 1, 0; 1999 CD₁₇, 3, 1, 0; 1999 CM₁₇, 6, 2, 36; 1999 CA₁₈, 3, 1, 0; 1999 CF₁₉, 3, 1, 0; 1999 CG₁₉, 4, 1, 0; 1999 CE₂₀, 3, 1, 0; 1999 CC₂₀, 3, 1, 0; 1999 CH₂₀, 4, 1, 0; 1999 CK₂₀, 3, 1, 0; 1999 CL₂₀, 3, 1, 0; 1999 CB₂₂, 4, 1, 0; 1999 CW₂₂, 3, 1, 0; 1999 CQ₂₄, 3, 1, 0; 1999 CW₂₄, 3, 1, 0; 1999 CB₃₂, 6, 2, 87; 1999 CT₃₅, 3, 1, 0; 1999 CJ₃₆, 3, 1, 0; 1999 CG₃₇, 6, 2, 27; 1999 CW₃₇, 3, 1, 0; 1999 CS₃₈, 4, 1, 0; 1999 CX₃₈, 4, 1, 0; 1999 CA₄₂, 3, 1, 0; 1999 CM₄₃, 3, 1, 0; 1999 CO₄₃, 4, 1, 0; 1999 CR₄₄, 3, 1, 0; 1999 CJ₄₅, 3, 1, 0; 1999 CV₄₅, 3, 1, 0; 1999 CB₄₆, 3, 1, 0; 1999 CG₄₉, 8, 2, 1; 1999 CF₅₁, 7, 2, 1; 1999 CO₅₂, 3, 1, 0; 1999 CH₅₃, 8, 2, 1; 1999 CX₅₃, 3, 1, 0; 1999 CJ₅₄, 2, 1, 0; 1999 CK₅₆, 3, 1, 0; 1999 CR₅₉, 4, 1, 0; 1999 CS₆₀, 3, 1, 0; 1999 CK₆₂, 3, 1, 0; 1999 CL₆₂, 3, 1, 0; 1999 CM₆₂, 3, 1, 0; 1999 CO₆₂, 3, 1, 0; 1999 CA₆₃, 3, 1, 0; 1999 CH₆₃, 3, 1, 0; 1999 CU₆₃, 3, 1, 0; 1999 CK₆₅, 6, 2, 20; 1999 CL₆₅, 3, 1, 0; 1999 CJ₆₈, 3, 1, 0; 1999 CV₆₉, 3, 1, 0; 1999 CV₆₉, 3, 1, 0; 1999 CW₆₉, 4, 1, 0; 1999 CM₇₀, 3, 1, 0; 1999 CR₇₀, 4, 1, 0; 1999 CT₇₀, 4, 1, 0; 1999 CQ₇₂, 4, 1, 0; 1999 CN₇₃, 4, 1, 0; 1999 CY₇₃, 3, 1, 0; 1999 CQ₇₄, 3, 1, 0; 1999 CZ₇₄, 4, 1, 0; 1999 CC₇₅, 3, 1, 0; 1999 CY₇₅, 4, 1, 0; 1999 CW₇₆, 12, 3, 27; 1999 CC₇₈, 8, 2, 1; 1999 CY₇₈, 3, 1, 0; 1999 CX₈₀, 8, 2, 22;

1999 CL₈₁, 4, 1, 0; 1999 CX₈₁, 4, 1, 0; 1999 CU₈₂, 3, 1, 0; 1999 CZ₈₂, 3, 1, 0; 1999 CJ₈₃, 3, 1, 0; 1999 CP₈₃, 6, 2, 21; 1999 CT₈₃, 3, 1, 0; 1999 CS₈₄, 3, 1, 0; 1999 CJ₈₆, 8, 2, 1; 1999 CG₈₇, 3, 1, 0; 1999 CQ₈₇, 3, 1, 0; 1999 CR₈₇, 3, 1, 0; 1999 CX₈₇, 3, 1, 0; 1999 CO₈₈, 3, 1, 0; 1999 CP₈₈, 3, 1, 0; 1999 CS₈₉, 6, 2, 33; 1999 CM₉₂, 3, 1, 0; 1999 CQ₉₆, 3, 1, 0; 1999 CU₉₆, 3, 1, 0; 1999 CE₉₇, 4, 1, 0; 1999 CP₉₉, 4, 1, 0; 1999 CX₁₀₂, 3, 1, 0; 1999 CG₁₀₃, 4, 1, 0; 1999 CK₁₀₃, 3, 1, 0; 1999 CS₁₀₃, 6, 2, 22; 1999 CG₁₀₄, 3, 1, 0; 1999 CZ₁₀₄, 3, 1, 0; 1999 CB₁₀₅, 3, 1, 0; 1999 CM₁₀₆, 6, 2, 22; 1999 CO₁₀₆, 3, 1, 0; 1999 CP₁₀₆, 3, 1, 0; 1999 CD₁₁₂, 3, 1, 0; 1999 CP₁₁₇, 3, 1, 0; 1999 CT₁₁₇, 3, 1, 0; 1999 CZ₁₁₇, 8, 2, 37; 1999 CD₁₁₈, 3, 1, 0; 1999 CX₁₁₉, 3, 1, 0; 1999 CO₁₂₀, 3, 1, 0; 1999 CB₁₂₄, 3, 1, 0; 1999 CU₁₂₈, 3, 1, 0; 1999 CS₁₃₃, 3, 1, 0; 1999 CQ₁₃₇, 4, 1, 0; 1999 CX₁₃₇, 3, 1, 0; 1999 CH₁₅₆, 3, 1, 0; 1999 CZ₁₅₇, 3, 1, 0; 1999 CE₁₅₈, 3, 1, 0; 1999 CF₁₅₈, 3, 1, 0; 1999 DF₁, 3, 1, 0; 1999 DF₅, 3, 1, 0; 1999 DC₆, 4, 1, 0; 1999 DN₆, 4, 1, 0; 1999 DQ₆, 4, 1, 0; 1999 DS₆, 4, 1, 0; 1999 DZ₆, 4, 1, 0; 1999 DF₇, 6, 2, 22; 1999 DY₈, 3, 1, 0; 1999 DZ₈, 3, 1, 0; 1999 DA₉, 3, 1, 0; 1999 DB₉, 3, 1, 0; 1999 DC₉, 3, 1, 0; 1999 DD₉, 3, 1, 0; 1999 EJ₂, 8, 2, 30; 1999 EK₁₁, 6, 2, 11; 1999 EA₁₂, 3, 1, 0; 1999 ED₁₂, 10, 3, 498; 1999 EP₁₂, 3, 1, 0; 1999 EP₁₃, 3, 1, 0; 1999 EQ₁₄, 3, 1, 0; 1999 EV₁₄, 3, 1, 0; 1999 EW₁₄, 3, 1, 0; 1999 FN₈, 2, 30; 1999 FZ₃, 1, 0; 1999 FW₁, 4, 1, 0; 1999 FM₆, 3, 1, 0; 1999 FH₇, 3, 1, 0; 1999 FN₇, 3, 1, 0; 1999 FC₉, 6, 2, 48; 1999 FE₉, 3, 1, 0; 1999 FF₉, 4, 1, 0; 1999 FG₉, 4, 1, 0; 1999 FH₉, 3, 1, 0; 1999 FI₁₀, 8, 2, 1; 1999 FU₁₃, 3, 1, 0; 1999 FP₁₇, 8, 2, 1; 1999 FE₁₈, 3, 1, 0; 1999 FG₁₉, 4, 1, 0; 1999 FJ₁₉, 8, 2, 31; 1999 FM₁₉, 8, 2, 33; 1999 FY₂₀, 8, 2, 1; 1999 FE₂₁, 3, 1, 0; 1999 FY₂₁, 3, 1, 0; 1999 FQ₂₂, 3, 1, 0; 1999 FD₂₃, 3, 1, 0; 1999 FH₂₃, 6, 2, 36; 1999 FT₂₄, 3, 1, 0; 1999 FQ₂₅, 7, 2, 451; 1999 FL₂₆, 3, 1, 0; 1999 FN₂₆, 3, 1, 0; 1999 FF₂₇, 8, 2, 26; 1999 FA₂₈, 3, 1, 0; 1999 FC₂₈, 3, 1, 0; 1999 FD₂₈, 3, 1, 0; 1999 FG₂₈, 3, 1, 0; 1999 FM₂₈, 6, 2, 32; 1999 FM₂₉, 4, 1, 0; 1999 FB₃₀, 4, 1, 0; 1999 FB₃₀, 8, 2, 1; 1999 FG₃₁, 4, 1, 0; 1999 FQ₃₂, 4, 1, 0; 1999 FW₃₂, 8, 2, 1; 1999 FX₃₂, 4, 1, 0; 1999 FE₃₃, 3, 1, 0; 1999 FM₃₃, 7, 2, 418; 1999 FN₃₃, 3, 1, 0; 1999 FT₃₃, 3, 1, 0; 1999 FS₃₄, 4, 1, 0; 1999 FS₃₅, 3, 1, 0; 1999 FG₃₆, 3, 1, 0; 1999 FO₃₇, 3, 1, 0; 1999 FS₃₇, 3, 1, 0; 1999 FV₃₈, 3, 1, 0; 1999 FX₃₈, 3, 1, 0; 1999 FG₃₉, 3, 1, 0; 1999 FZ₄₀, 3, 1, 0; 1999 FM₄₁, 3, 1, 0; 1999 FY₄₁, 3, 1, 0; 1999 FD₄₂, 6, 2, 54; 1999 FM₄₄, 6, 2, 37; 1999 FV₄₄, 3, 1, 0; 1999 FK₄₅, 3, 1, 0; 1999 FO₄₅, 3, 1, 0; 1999 FS₄₅, 3, 1, 0; 1999 FZ₄₅, 3, 1, 0; 1999 FJ₄₆, 6, 2, 46; 1999 FX₄₈, 3, 1, 0; 1999 FG₄₉, 3, 1, 0; 1999 FK₅₀, 6, 2, 52; 1999 FM₅₀, 3, 1, 0; 1999 FW₅₀, 3, 1, 0; 1999 FS₅₁, 3, 1, 0; 1999 FY₅₁, 6, 2, 15; 1999 FY₅₂, 3, 1, 0; 1999 FA₅₄, 3, 1, 0; 1999 FV₅₄, 6, 2, 18; 1999 FU₅₅, 6, 2, 104; 1999 FX₅₆, 3, 1, 0; 1999 FH₅₇, 3, 1, 0; 1999 FE₅₈, 3, 1, 0; 1999 FD₅₉, 6, 2, 19; 1999 FF₅₉, 3, 1, 0; 1999 FY₅₉, 3, 1, 0; 1999 FZ₅₉, 3, 1, 0; 1999 FA₆₀, 3, 1, 0; 1999 FF₆₀, 3, 1, 0; 1999 GP₃, 8, 2, 5; 1999 GT₄, 8, 2, 1; 1999 GF₆, 8, 2, 33; 1999 GG₆, 4, 1, 0; 1999 GX₆, 3, 1, 0; 1999 GA₈, 3, 1, 0; 1999 GO₈, 8, 2, 1; 1999 GQ₈, 4, 1, 0; 1999 GY₈, 12, 3, 27; 1999 GF₁₄, 4, 1, 0; 1999 GW₁₆, 3, 1, 0; 1999 GK₁₇, 8, 2, 1; 1999 GG₁₈, 4, 1, 0; 1999 GK₂₀, 12, 3, 27; 1999 GG₂₂, 9, 3, 46; 1999 GR₂₂, 9, 3, 46; 1999 GY₂₂, 3, 1, 0; 1999 GQ₂₃, 4, 1, 0; 1999 GL₂₃, 3, 1, 0; 1999 GP₂₃, 3, 1, 0; 1999 GR₂₃, 6, 2, 16; 1999 GA₂₄, 6, 2, 15; 1999 GX₂₄, 4, 1, 0; 1999 GC₂₅, 3, 1, 0; 1999 GN₂₇, 3, 1, 0; 1999 GF₂₈, 3, 1, 0; 1999 GO₂₉, 4, 1, 0; 1999 GF₃₁, 4, 1, 0; 1999 GB₃₄, 6, 2, 18; 1999 GC₃₄, 7, 2, 1; 1999 GH₃₄, 3, 1, 0; 1999 GX₃₄, 7, 2, 470; 1999 GX₃₆, 3, 1, 0; 1999 GX₃₇, 6, 2, 46; 1999 GL₃₈, 6, 2, 15; 1999 GN₃₈, 3, 1, 0; 1999 GD₃₉, 3, 1, 0; 1999 GE₃₉, 6, 2,

0; 1999 LU₆, 4, 1, 0; 1999 LP₇, 3, 1, 0; 1999 LL₉, 3, 1, 0; 1999 LP₂₄, 4, 1, 0; 1999 LY₃₀, 3, 1, 0; 1999 LM₃₃, 6, 2, 36; 1999 NU₁₈, 3, 1, 0; 1999 NH₂₃, 3, 1, 0; 1999 NQ₂₃, 3, 1, 0; 1999 NE₂₄, 3, 1, 0; 1999 NS₂₅, 3, 1, 0; 1999 NB₂₇, 3, 1, 0; 1999 NQ₃₄, 3, 1, 0; 1999 ND₃₆, 3, 1, 0; 1999 NG₃₆, 3, 1, 0; 1999 NY₃₆, 3, 1, 0; 1999 NL₄₁, 3, 1, 0; 1999 NZ₄₁, 3, 1, 0; 1999 NE₄₉, 3, 1, 0; 1999 NS₅₅, 3, 1, 0; 1999 NZ₆₃, 3, 1, 0; 1999 NO₆₄, 3, 1, 0; 1999 OC₂, 3, 1, 0; 1999 OA₅, 3, 1, 0; 1999 OC₅, 6, 2, 27; 1999 PL₆, 3, 1, 0; 1999 RN₁₀, 3, 1, 0; 1999 RU₂₄, 3, 1, 0; 1999 RB₂₅, 3, 1, 0; 1999 RP₂₅, 3, 1, 0; 1999 RO₂₆, 3, 1, 0; 1999 RB₂₇, 3, 1, 0; 1999 RS₃₂, 3, 1, 0; 1999 RN₃₉, 3, 1, 0; 1999 RU₄₀, 6, 2, 10; 1999 RD₄₆, 3, 1, 0; 1999 RB₄₇, 3, 1, 0; 1999 RQ₄₇, 3, 1, 0; 1999 RF₄₈, 3, 1, 0; 1999 RS₄₈, 3, 1, 0; 1999 RQ₄₉, 3, 1, 0; 1999 RV₅₂, 3, 1, 0; 1999 RK₆₃, 6, 2, 39; 1999 RQ₈₆, 3, 1, 0; 1999 RR₈₉, 3, 1, 0; 1999 RD₉₂, 3, 1, 0; 1999 RA₁₀₀, 3, 1, 0; 1999 RS₁₀₉, 3, 1, 0; 1999 RU₁₀₉, 3, 1, 0; 1999 RX₁₀₉, 3, 1, 0; 1999 RA₁₁₀, 3, 1, 0; 1999 RQ₁₁₀, 3, 1, 0; 1999 RO₁₁₁, 6, 2, 46; 1999 RH₁₁₂, 6, 2, 46; 1999 RK₁₁₂, 3, 1, 0; 1999 RW₁₁₂, 3, 1, 0; 1999 RB₁₂₂, 3, 1, 0; 1999 RB₁₂₇, 3, 1, 0; 1999 RV₁₂₇, 3, 1, 0; 1999 RB₁₂₉, 3, 1, 0; 1999 RC₁₃₂, 3, 1, 0; 1999 RX₁₃₇, 3, 1, 0; 1999 RX₁₃₈, 3, 1, 0; 1999 RF₁₄₃, 3, 1, 0; 1999 RT₁₄₇, 3, 1, 0; 1999 RH₁₅₁, 3, 1, 0; 1999 RW₁₅₂, 3, 1, 0; 1999 RD₁₆₆, 3, 1, 0; 1999 RT₁₆₆, 3, 1, 0; 1999 RD₁₇₀, 3, 1, 0; 1999 RX₁₇₃, 3, 1, 0; 1999 RV₁₈₀, 3, 1, 0; 1999 RA₁₈₁, 3, 1, 0; 1999 RR₁₉₃, 3, 1, 0; 1999 RD₁₉₇, 3, 1, 0; 1999 RL₁₉₉, 3, 1, 0; 1999 RL₂₀₂, 3, 1, 0; 1999 RG₂₀₄, 3, 1, 0; 1999 RR₂₀₄, 3, 1, 0; 1999 RQ₂₀₅, 3, 1, 0; 1999 RX₂₀₅, 6, 2, 449; 1999 RY₂₀₅, 3, 1, 0; 1999 RQ₂₀₇, 3, 1, 0; 1999 RV₂₀₇, 3, 1, 0; 1999 RB₂₀₈, 3, 1, 0; 1999 RF₂₀₈, 3, 1, 0; 1999 RK₂₀₈, 3, 1, 0; 1999 RP₂₀₈, 3, 1, 0; 1999 RU₂₀₈, 3, 1, 0; 1999 RF₂₀₉, 3, 1, 0; 1999 RU₂₀₉, 6, 2, 11; 1999 RY₂₀₉, 3, 1, 0; 1999 RZ₂₀₉, 3, 1, 0; 1999 RA₂₁₀, 3, 1, 0; 1999 RJ₂₁₂, 3, 1, 0; 1999 RL₂₁₂, 3, 1, 0; 1999 RR₂₁₇, 3, 1, 0; 1999 RV₂₁₇, 6, 2, 72; 1999 RZ₂₁₇, 3, 1, 0; 1999 RB₂₁₉, 3, 1, 0; 1999 RQ₂₁₉, 3, 1, 0; 1999 RB₂₂₀, 6, 2, 29; 1999 RC₂₂₀, 3, 1, 0; 1999 RK₂₂₁, 3, 1, 0; 1999 RN₂₂₁, 6, 2, 54; 1999 RT₂₂₁, 6, 2, 9; 1999 RF₂₂₂, 3, 1, 0; 1999 RQ₂₂₂, 3, 1, 0; 1999 RG₂₂₅, 6, 2, 61; 1999 RV₂₂₅, 3, 1, 0; 1999 RH₂₂₇, 6, 2, 29; 1999 RX₂₂₉, 3, 1, 0; 1999 RB₂₃₀, 3, 1, 0; 1999 RO₂₃₀, 3, 1, 0; 1999 RY₂₃₁, 3, 1, 0; 1999 RZ₂₃₅, 3, 1, 0; 1999 RH₂₃₆, 6, 2, 30; 1999 RO₂₃₆, 9, 3, 62; 1999 RP₂₃₉, 3, 1, 0; 1999 RL₂₄₂ *, 3, 1, 0; 1999 RM₂₄₂ *, 3, 1, 0; 1999 RO₂₄₂ *, 3, 1, 0; 1999 RP₂₄₂ *, 3, 1, 0; 1999 RQ₂₄₂ *, 3, 1, 0; 1999 RR₂₄₂ *, 6, 2, 55; 1999 RS₂₄₂ *, 3, 1, 0; 1999 RT₂₄₂ *, 3, 1, 0; 1999 RU₂₄₂ *, 3, 1, 0; 1999 RV₂₄₂ *, 3, 1, 0; 1999 RW₂₄₂ *, 3, 1, 0; 1999 RX₂₄₂ *, 3, 1, 0; 1999 RY₂₄₂ *, 3, 1, 0; 1999 RZ₂₄₂ *, 3, 1, 0; 1999 RM₂₄₅ *, 3, 1, 0; 1999 RN₂₄₅ *, 3, 1, 0; 1999 RO₂₄₅ *, 3, 1, 0; 1999 RP₂₄₅ *, 3, 1, 0; 1999 RQ₂₄₅ *, 3, 1, 0; 1999 RR₂₄₅ *, 3, 1, 0; 1999 RS₂₄₅ *, 3, 1, 0; 1999 RT₂₄₅ *, 3, 1, 0; 1999 RU₂₄₅ *, 3, 1, 0; 1999 RV₂₄₅ *, 3, 1, 0; 1999 RW₂₄₅ *, 3, 1, 0; 1999 RX₂₄₅ *, 3, 1, 0; 1999 RY₂₄₅ *, 3, 1, 0; 1999 RZ₂₄₅ *, 3, 1, 0; 1999 RA₂₄₆ *, 3, 1, 0; 1999 RB₂₄₆ *, 3, 1, 0; 1999 RC₂₄₆ *, 3, 1, 0; 1999 RD₂₄₆ *, 3, 1, 0; 1999 RE₂₄₆ *, 3, 1, 0; 1999 RF₂₄₆ *, 3, 1, 0; 1999 RG₂₄₆ *, 3, 1, 0; 1999 RJ₂₄₆ *, 3, 1, 0; 1999 RK₂₄₆ *, 3, 1, 0; 1999 RL₂₄₆ *, 3, 1, 0; 1999 RM₂₄₆ *, 3, 1, 0; 1999 RN₂₄₆ *, 3, 1, 0; 1999 RO₂₄₆ *, 6, 2, 26; 1999 RP₂₄₆ *, 3, 1, 0; 1999 RQ₂₄₆ *, 3, 1, 0; 1999 RR₂₄₆ *, 3, 1, 0; 1999 RS₂₄₆ *, 3, 1, 0; 1999 RT₂₄₇ *, 3, 1, 0; 1999 RQ₂₄₇ *, 6, 2, 29; 1999 RR₂₄₇ *, 3, 1, 0; 1999 RS₂₄₇ *, 3, 1, 0; 1999 SM₄, 3, 1, 0; 1999 SC₇, 3, 1, 0; 1999 SY₇, 3, 1, 0; 1999 SA₈, 3, 1, 0; 1999 SS₁₀, 3, 1, 0; 1999 SC₁₁, 6, 2, 12; 1999 SY₁₂, 3, 1, 0; 1999 SH₁₄, 3, 1, 0; 1999 SM₁₅, 3, 1, 0; 1999 SN₁₅, 3, 1, 0; 1999 SO₁₅, 3, 1, 0; 1999 SU₁₅, 3, 1, 0; 1999 SK₁₆, 3, 1, 0; 1999 SG₁₆, 3, 1, 0; 1999 SH₁₆, 3, 1, 0; 1999 SG₁₇, 3, 1, 0; 1999 SH₁₇, 3, 1, 0; 1999 SK₁₇, 3, 1, 0; 1999 SR₁₇, 3, 1, 0; 1999 SU₁₇, 3, 1, 0; 1999 SN₁₈, 6, 2, 10; 1999 SR₁₈, 12, 4, 64; 1999 SS₁₈, 3, 1, 0; 1999 SU₁₈, 3, 1, 0; 1999 SO₁₉, 3, 1, 0; 1999 ST₁₉, 3, 1, 0; 1999 SF₂₀, 3, 1, 0; 1999 SD₂₂ *, 3, 1, 0; 1999 SE₂₂ *, 3, 1, 0; 1999 SK₂₃, 3, 1, 0; 1999 SH₂₆, 3, 1, 0; 1999 SJ₂₆, 3, 1, 0; 1999 SK₂₆, 3, 1, 0; 1999 SM₂₆, 3, 1, 0; 1999 SN₂₆, 3, 1, 0; 1999 SO₂₆, 3, 1, 0; 1999 SP₂₆, 3, 1, 0; 1999 SR₂₆, 3, 1, 0; 1999 ST₂₆, 6, 2, 18; 1999 SV₂₆, 3, 1, 0; 1999 SW₂₆, 3, 1, 0; 1999 SX₂₆, 3, 1, 0; 1999 TJ₉, 3, 1, 0; 1999 TK₁₈, 6, 1, 0; 1999 TS₂₅, 3, 1, 0; 1999 TD₂₇, 3, 1, 0; 1999 TD₃₀, 3, 1, 0; 1999 TE₃₀, 3, 1, 0; 1999 TK₃₀, 3, 1, 0; 1999 TM₃₀, 3, 1, 0; 1999 TN₃₀, 3, 1, 0; 1999 TU₃₂, 3, 1, 0; 1999 TW₃₄, 3, 1, 0; 1999 TL₃₅, 3, 1, 0; 1999 TJ₃₆, 3, 1, 0; 1999 TP₃₆, 3, 1, 0; 1999 TR₃₆, 3, 1, 0; 1999 TB₃₇, 6, 2, 48; 1999 TM₃₇, 3, 1, 0; 1999 TN₃₇, 6, 2, 45; 1999 TV₃₇, 3, 1, 0; 1999 TW₃₈, 3, 1, 0; 1999 TL₃₉, 6, 2, 25; 1999 TP₃₉, 3, 1, 0; 1999 TZ₄₀, 3, 1, 0; 1999 TQ₈₉, 3, 1, 0; 1999 TO₉₀, 3, 1, 0; 1999 TP₉₀, 3, 1, 0; 1999 TR₉₀, 3, 1, 0; 1999 TQ₉₀, 3, 1, 0; 1999 TY₉₀, 3, 1, 0; 1999 TZ₉₀, 3, 1, 0; 1999 TE₉₈, 9, 2, 17; 1999 TG₉₈, 3, 1, 0; 1999 TM₉₈, 6, 2, 48; 1999 TP₉₈, 3, 1, 0; 1999 TG₉₉, 9, 3, 79; 1999 TO₉₉, 6, 1, 0; 1999 TD₁₀₁, 6, 2, 530; 1999 TM₁₀₁, 3, 1, 0; 1999 TA₁₀₂, 9, 3, 56; 1999 TC₁₀₂, 3, 1, 0; 1999 TE₁₀₂, 9, 3, 18; 1999 TH₁₀₂, 3, 1, 0; 1999 TK₁₀₂, 3, 1, 0; 1999 TO₁₀₂, 6, 2, 88; 1999 TC₁₀₃, 3, 1, 0; 1999 TE₁₀₃, 3, 1, 0; 1999 TT₁₀₅, 3, 1, 0; 1999 TX₁₀₅, 6, 2, 23; 1999 TJ₁₀₆, 3, 1, 0; 1999 TN₁₀₆, 3, 1, 0; 1999 TH₁₁₁, 3, 1, 0; 1999 TM₁₁₁, 3, 1, 0; 1999 TA₁₁₂, 12, 3, 37; 1999 TC₁₁₂, 3, 1, 0; 1999 TP₁₁₂, 3, 1, 0; 1999 TV₁₁₂, 3, 1, 0; 1999 TC₁₁₃, 3, 1, 0; 1999 TD₁₁₃, 3, 1, 0; 1999 TF₁₁₃, 3, 1, 0; 1999 TG₁₁₃, 3, 1, 0; 1999 TH₁₁₃, 3, 1, 0; 1999 TK₁₁₃, 3, 1, 0; 1999 TW₁₁₄, 3, 1, 0; 1999 TX₁₁₄, 3, 1, 0; 1999 TO₁₁₅, 3, 1, 0; 1999 TP₁₁₅, 3, 1, 0; 1999 TQ₁₁₅, 3, 1, 0; 1999 TU₁₁₅, 3, 1, 0; 1999 TV₁₁₅, 3, 1, 0; 1999 TZ₁₁₅, 3, 1, 0; 1999 TA₁₁₆, 3, 1, 0; 1999 TC₁₁₆, 3, 1, 0; 1999 TO₁₁₆, 3, 1, 0; 1999 TV₁₁₆, 3, 1, 0; 1999 TG₁₁₇, 3, 1, 0; 1999 TM₁₁₇, 3, 1, 0; 1999 TY₁₁₇, 3, 1, 0; 1999 TD₁₁₈, 3, 1, 0; 1999 TF₁₁₈, 3, 1, 0; 1999 TM₁₁₈, 3, 1, 0; 1999 TB₁₁₉, 3, 1, 0; 1999 TB₁₂₀, 3, 1, 0; 1999 TP₁₂₄, 3, 1, 0; 1999 TR₁₂₄, 3, 1, 0; 1999 TC₁₂₅, 3, 1, 0; 1999 TO₁₂₈, 3, 1, 0; 1999 TC₁₄₂, 3, 1, 0; 1999 TE₁₄₂, 3, 1, 0; 1999 TR₁₄₃, 3, 1, 0; 1999 TS₁₄₃, 3, 1, 0; 1999 TY₁₄₃, 3, 1, 0; 1999 TK₁₆₄, 3, 1, 0; 1999 TJ₁₆₅, 3, 1, 0; 1999 TQ₁₆₅, 3, 1, 0; 1999 TG₁₆₆, 3, 1, 0; 1999 TE₁₇₂, 3, 1, 0; 1999 TK₁₇₂, 3, 1, 0; 1999 TB₁₇₃, 3, 1, 0; 1999 TS₁₇₇, 3, 1, 0; 1999 TN₁₇₈, 3, 1, 0; 1999 TT₁₈₀, 3, 1, 0;

1999 TD₁₈₁, 3, 1, 0; 1999 TR₁₈₆, 3, 1, 0; 1999 TC₁₈₇, 3, 1, 0; 1999 TB₁₈₉, 3, 1, 0; 1999 TD₁₉₀, 6, 2, 26; 1999 TF₁₉₀, 3, 1, 0; 1999 TJ₁₉₁, 3, 1, 0; 1999 TL₁₉₂, 3, 1, 0; 1999 TB₁₉₃, 3, 1, 0; 1999 TB₁₉₄, 3, 1, 0; 1999 TZ₁₉₆, 3, 1, 0; 1999 TH₁₉₈, 6, 1, 0; 1999 TH₂₀₀, 3, 1, 0; 1999 TT₂₀₀, 3, 1, 0; 6, 2, 18; 1999 TW₂₀₀, 3, 1, 0; 1999 TJ₂₀₆, 3, 1, 0; 1999 TZ₂₀₉, 3, 1, 0; 1999 TB₂₁₁, 3, 1, 0; 1999 TG₂₁₁, 3, 1, 0; 1999 TB₂₁₇, 6, 2, 10; 1999 TR₂₂₁, 3, 1, 0; 1999 TS₂₂₁, 3, 1, 0; 1999 TJ₂₂₂, 3, 1, 0; 1999 TL₂₂₃, 3, 1, 0; 1999 TO₂₂₃, 6, 2, 92; 1999 TP₂₂₃, 3, 1, 0; 1999 TC₂₂₄, 3, 1, 0; 1999 TE₂₂₇, 3, 1, 0; 1999 TG₂₂₇, 3, 1, 0; 1999 TK₂₃₀, 3, 1, 0; 1999 TT₂₃₀, 3, 1, 0; 1999 TY₂₃₂, 3, 1, 0; 1999 TE₂₃₄, 3, 1, 0; 1999 TO₂₃₆, 3, 1, 0; 1999 TS₂₃₆, 6, 2, 32; 1999 TT₂₃₆, 3, 1, 0; 1999 TX₂₃₆, 6, 2, 25; 1999 TC₂₃₇, 9, 3, 27; 1999 TE₂₃₇, 3, 1, 0; 1999 TJ₂₄₂, 3, 1, 0; 1999 TE₂₄₅, 6, 2, 22; 1999 TN₂₄₅, 3, 1, 0; 1999 TB₂₄₆, 3, 1, 0; 1999 TG₂₄₆, 3, 1, 0; 1999 TM₂₄₇, 3, 1, 0; 1999 TO₂₄₇, 3, 1, 0; 1999 TW₂₄₇, 6, 2, 23; 1999 TY₂₄₇, 3, 1, 0; 1999 TD₂₄₈, 6, 2, 33; 1999 TE₂₄₈, 3, 1, 0; 1999 TO₂₄₈, 3, 1, 0; 1999 TQ₂₄₈, 6, 2, 337; 1999 TT₂₄₈, 12, 4, 505; 1999 TU₂₄₈, 3, 1, 0; 1999 TZ₂₄₈, 3, 1, 0; 1999 TA₂₄₉, 3, 1, 0; 1999 TM₂₅₀, 3, 1, 0; 1999 TH₂₅₁, 3, 1, 0; 1999 TN₂₅₄, 3, 1, 0; 1999 TQ₂₅₄, 3, 1, 0; 1999 TR₂₅₈, 3, 1, 0; 1999 TV₂₆₄, 3, 1, 0; 1999 TL₂₆₇, 3, 1, 0; 1999 TQ₂₆₇, 6, 2, 11; 1999 TU₂₆₇, 3, 1, 0; 1999 TY₂₆₇, 3, 1, 0; 1999 TB₂₆₈, 3, 1, 0; 1999 TC₂₆₉, 3, 1, 0; 1999 TL₂₆₉, 3, 1, 0; 1999 TU₂₆₉, 3, 1, 0; 1999 TL₂₇₀, 6, 2, 25; 1999 TW₂₇₀, 3, 1, 0; 1999 TD₂₇₁, 3, 1, 0; 1999 TH₂₇₁, 3, 1, 0; 1999 TY₂₇₂, 3, 1, 0; 1999 TA₂₇₃, 3, 1, 0; 1999 TS₂₇₃, 6, 2, 12; 1999 TV₂₇₃, 6, 2, 37; 1999 TN₂₇₉, 3, 1, 0; 1999 TV₂₇₉, 3, 1, 0; 1999 TM₂₈₀, 3, 1, 0; 1999 TM₂₈₁, 3, 1, 0; 1999 TP₂₈₁, 3, 1, 0; 1999 TK₂₈₄, 3, 1, 0; 1999 TR₂₈₄, 3, 1, 0; 1999 TM₂₈₉, 3, 1, 0; 1999 TX₂₈₉, 3, 1, 0; 1999 TS₂₉₀, 3, 1, 0; 1999 TU₂₉₀, 3, 1, 0; 1999 TK₂₉₁, 3, 1, 0; 1999 TM₂₉₁, 3, 1, 0; 1999 TR₂₉₁, 3, 1, 0; 1999 TW₂₉₁, 3, 1, 0; 1999 TD₂₉₃, 3, 1, 0; 1999 TE₂₉₆, 3, 1, 0; 1999 TZ₃₀₀ *, 3, 1, 0; 1999 TP₃₀₅, 3, 1, 0; 1999 TJ₃₁₀ *, 6, 2, 14; 1999 TK₃₁₀ *, 3, 1, 0; 1999 TH₃₁₂ *, 6, 2, 23; 1999 TO₃₁₂ *, 6, 2, 24; 1999 TP₃₁₂ *, 3, 1, 0; 1999 TQ₃₁₂ *, 3, 1, 0; 1999 TR₃₁₂ *, 3, 1, 0; 1999 TX₃₁₂, 3, 1, 0; 1999 TV₃₁₄, 6, 2, 13; 1999 TD₃₂₁, 3, 1, 0; 1999 TX₃₂₁, 3, 1, 0; 1999 TY₃₂₁, 3, 1, 0; 1999 UV₁, 6, 2, 62; 1999 UV₄, 3, 1, 0; 1999 UE₆, 3, 1, 0; 1999 UF₆, 3, 1, 0; 1999 UB₇, 3, 1, 0; 1999 UT₁₀, 10, 3, 193; 1999 UZ₁₀, 6, 2, 52; 1999 UQ₁₂, 3, 1, 0; 1999 UW₁₂, 3, 1, 0; 1999 UZ₁₂, 3, 1, 0; 1999 UG₁₃, 3, 1, 0; 1999 UG₁₃, 3, 1, 0; 1999 UO₁₃, 3, 1, 0; 1999 UQ₁₃, 3, 1, 0; 1999 UV₁₃, 3, 1, 0; 1999 UY₁₆, 3, 1, 0; 1999 UN₂₃, 3, 1, 0; 1999 UO₂₃, 3, 1, 0; 1999 UL₂₅, 3, 1, 0; 1999 UE₄₁, 3, 1, 0; 1999 UG₄₁, 3, 1, 0; 1999 UU₄₁, 3, 1, 0; 1999 UA₄₃, 6, 2, 21; 1999 UH₄₃, 3, 1, 0; 1999 UR₄₃, 6, 2, 58; 1999 UL₄₄, 3, 1, 0; 1999 UX₄₄, 3, 1, 0; 1999 UX₄₆, 3, 1, 0; 1999 UA₄₇, 3, 1, 0; 1999 UR₄₇, 3, 1, 0; 1999 UT₄₇, 3, 1, 0; 1999 UN₄₈, 3, 1, 0; 1999 UQ₄₈, 6, 2, 27; 1999 UT₄₈, 3, 1, 0; 1999 UQ₄₉, 3, 1, 0; 1999 UE₅₀, 6, 2, 558; 1999 UU₅₀, 3, 1, 0; 1999 UL₅₁, 3, 1, 0; 1999 UQ₅₁, 3, 1, 0; 1999 UF₅₂, 6, 2, 56; 1999 UW₅₂, 3, 1, 0; 1999 UB₅₃, 6, 2, 19; 1999 UG₅₃ *, 6, 2, 29; 1999 UQ₅₇ *, 3, 1, 0; 1999 UR₅₇ *, 3, 1, 0; 1999 US₅₇ *, 3, 1, 0; 1999 UY₅₈ *, 3, 1, 0; 1999 UA₅₉ *, 3, 1, 0; 1999 VP₂, 3, 1, 0; 1999 VH₈, 3, 1, 0; 1999 VJ₈, 3, 1, 0; 1999 VS₉, 3, 1, 0; 1999 VP₁₀, 3, 1, 0; 1999 VB₁₂, 3, 1, 0; 1999 VO₁₈, 3, 1, 0; 1999 VR₂₀, 3, 1, 0; 1999 VS₂₇, 3, 1, 0; 1999 VJ₃₅, 3, 1, 0; 1999 VP₃₇, 3, 1, 0; 1999 VU₄₄, 3, 1, 0; 1999 VK₄₇, 3, 1, 0; 1999 VA₅₀, 3, 1, 0; 1999 VU₅₀, 3, 1, 0; 1999 VY₅₀, 3, 1, 0; 1999 VM₅₈, 3, 1, 0; 1999 VP₆₁, 6, 2, 18; 1999 VM₇₂, 6, 2, 58; 1999 VC₇₈, 3, 1, 0; 1999 VE₈₁, 9, 3, 529; 1999 VB₈₇, 3, 1, 0; 1999 VV₉₁, 3, 1, 0; 1999 VE₉₂, 3, 1, 0; 1999 VE₁₀₂, 3, 1, 0; 1999 VH₁₄₇, 3, 1, 0; 1999 VX₁₅₃, 6, 2, 27; 1999 VY₁₅₅, 3, 1, 0; 1999 VG₁₅₇, 3, 1, 0; 1999 VY₁₆₈, 3, 1, 0; 1999 VV₁₇₃, 3, 1, 0; 1999 VY₁₇₃, 3, 1, 0; 1999 VG₁₇₄, 3, 1, 0; 1999 VK₁₇₆, 3, 1, 0; 1999 VG₁₇₇, 3, 1, 0; 1999 VU₁₇₉, 3, 1, 0; 1999 VW₁₈₀, 3, 1, 0; 1999 VO₁₈₃, 3, 1, 0; 1999 VB₁₈₅, 9, 2, 17; 1999 VC₁₈₅, 3, 1, 0; 1999 VF₁₈₅, 3, 1, 0; 1999 VM₁₈₆, 3, 1, 0;

1999 XK₉₁, 3, 1, 0; 1999 XO₉₁, 6, 2, 56; 1999 XV₉₁, 3, 1, 0; 1999 XT₉₃, 3, 1, 0; 1999 XK₉₅, 3, 1, 0; 1999 XR₉₅, 6, 2, 33; 1999 XE₉₆, 3, 1, 0; 1999 XL₉₇, 3, 1, 0; 1999 XQ₉₇, 3, 1, 0; 1999 XC₉₈, 3, 1, 0; 1999 XM₉₈, 3, 1, 0; 1999 XH₉₉, 3, 1, 0; 1999 XM₉₉, 9, 3, 84; 1999 XL₁₀₁, 3, 1, 0; 1999 XO₁₀₁, 3, 1, 0; 1999 XU₁₀₁, 3, 1, 0; 1999 XX₁₀₁, 9, 3, 58; 1999 XC₁₀₂, 3, 1, 0; 1999 XN₁₀₂, 6, 2, 27; 1999 XA₁₀₅, 3, 1, 0; 1999 XT₁₀₅, 3, 1, 0; 1999 XM₁₀₆, 3, 1, 0; 1999 XV₁₀₆, 3, 1, 0; 1999 XH₁₀₉, 3, 1, 0; 1999 XN₁₁₀, 6, 2, 25; 1999 XM₁₁₁, 10, 3, 200; 1999 XS₁₁₂, 6, 2, 52; 1999 XY₁₁₂, 6, 2, 8; 1999 XD₁₁₃, 3, 1, 0; 1999 XP₁₁₃, 6, 2, 30; 1999 XD₁₁₄, 3, 1, 0; 1999 XH₁₁₄, 3, 1, 0; 1999 XL₁₁₄, 3, 1, 0; 1999 XV₁₁₄, 6, 2, 49; 1999 XE₁₁₅, 3, 1, 0; 1999 XH₁₁₆, 3, 1, 0; 1999 XO₁₁₇, 6, 2, 28; 1999 XW₁₁₇, 3, 1, 0; 1999 XX₁₁₇, 3, 1, 0; 1999 XB₁₁₈, 3, 1, 0; 1999 XQ₁₁₉, 6, 2, 55; 1999 XW₁₂₁, 3, 1, 0; 1999 XL₁₂₄, 3, 1, 0; 1999 XP₁₂₅, 6, 2, 13; 1999 XW₁₂₇, 3, 1, 0; 1999 XH₁₃₆, 4, 1, 0; 1999 XR₁₃₆, 3, 1, 0; 1999 XS₁₃₆, 3, 1, 0; 1999 XK₁₄₄, 6, 2, 69; 1999 XD₁₅₆, 6, 2, 14; 1999 XJ₁₅₆, 3, 1, 0; 1999 XD₁₅₈, 6, 2, 14; 1999 XC₁₆₀, 6, 2, 28; 1999 XJ₁₆₁, 3, 1, 0; 1999 XY₁₆₃, 3, 1, 0; 1999 XK₁₆₄, 3, 1, 0; 1999 XN₁₆₄, 3, 1, 0; 1999 XO₁₆₄, 3, 1, 0; 1999 XF₁₆₅, 4, 1, 0; 1999 XX₁₆₅, 8, 2, 51; 1999 XZ₁₆₅, 6, 2, 27; 1999 XR₁₆₈, 3, 1, 0; 1999 XR₁₆₉, 3, 1, 0; 1999 XR₁₇₀, 3, 1, 0; 1999 XF₁₇₂, 3, 1, 0; 1999 XL₁₇₂, 9, 3, 52; 1999 XZ₁₇₂, 6, 2, 17; 1999 XE₁₇₃, 3, 1, 0; 1999 XH₁₇₃, 6, 2, 28; 1999 XY₁₇₄, 3, 1, 0; 1999 XD₁₇₆, 3, 1, 0; 1999 XS₁₇₆, 3, 1, 0; 1999 XU₁₇₆, 3, 1, 0; 1999 XG₁₇₇, 3, 1, 0; 1999 XH₁₇₇, 3, 1, 0; 1999 XK₁₇₇, 3, 1, 0; 1999 XM₁₇₈, 3, 1, 0; 1999 XB₁₇₉, 3, 1, 0; 1999 XG₁₇₉, 3, 1, 0; 1999 XH₁₇₉, 3, 1, 0; 1999 XV₁₇₉, 3, 1, 0; 1999 XX₁₇₉, 3, 1, 0; 1999 XY₁₇₉, 3, 1, 0; 1999 XA₁₈₀, 3, 1, 0; 1999 XP₁₈₀, 6, 2, 28; 1999 XS₁₈₀, 3, 1, 0; 1999 XC₁₈₁, 3, 1, 0; 1999 XN₁₈₁, 3, 1, 0; 1999 XT₁₈₃, 6, 2, 51; 1999 XA₁₈₅, 3, 1, 0; 1999 XF₁₈₉, 3, 1, 0; 1999 XM₁₉₁, 3, 1, 0; 1999 XM₁₉₃, 3, 1, 0; 1999 XY₁₉₄, 12, 4, 140; 1999 XB₁₉₈, 3, 1, 0; 1999 XH₂₀₄, 3, 1, 0; 1999 XL₂₀₄, 3, 1, 0; 1999 XP₂₀₄, 3, 1, 0; 1999 XQ₂₀₄, 6, 2, 28; 1999 XV₂₀₄, 3, 1, 0; 1999 XW₂₀₄, 3, 1, 0; 1999 XC₂₀₅, 3, 1, 0; 1999 XG₂₀₆, 6, 2, 27; 1999 XV₂₀₆, 3, 1, 0; 1999 XT₂₁₁, 3, 1, 0; 1999 XZ₂₁₂, 3, 1, 0; 1999 XS₂₂₀, 3, 1, 0; 1999 XA₂₂₁, 3, 1, 0; 1999 XG₂₂₁, 3, 1, 0; 1999 XL₂₂₇, 3, 1, 0; 1999 XA₂₃₁, 15, 5, 130; 1999 XG₂₃₁, 6, 2, 43; 1999 XH₂₃₁, 4, 1, 0; 1999 XZ₂₃₁, 4, 1, 0; 1999 XF₂₃₃, 3, 1, 0; 1999 XH₂₃₃, 3, 1, 0; 1999 XM₂₃₃, 3, 1, 0; 1999 XS₂₃₃, 6, 2, 23; 1999 XV₂₃₃, 3, 1, 0; 1999 XW₂₃₃, 3, 1, 0; 1999 XK₂₃₄, 3, 1, 0; 1999 XP₂₃₄, 3, 1, 0; 1999 XQ₂₃₄, 3, 1, 0; 1999 XR₂₃₄, 3, 1, 0; 1999 XT₂₃₄, 3, 1, 0; 1999 XX₂₃₄, 6, 2, 26; 1999 XY₂₃₄, 3, 1, 0; 1999 XC₂₃₅, 6, 2, 17; 1999 XC₂₃₅, 9, 3, 48; 1999 XQ₂₃₆, 3, 1, 0; 1999 XE₂₃₈, 3, 1, 0; 1999 XK₂₃₈, 3, 1, 0; 1999 XL₂₃₈, 3, 1, 0; 1999 XM₂₃₈, 3, 1, 0; 1999 XR₂₃₈, 3, 1, 0; 1999 XZ₂₃₈, 3, 1, 0; 1999 XE₂₃₉ *, 3, 1, 0; 1999 XR₂₄₀, 3, 1, 0; 1999 XM₂₄₁ *, 3, 1, 0; 1999 XN₂₄₁ *, 9, 3, 27; 1999 XO₂₄₁ *, 3, 1, 0; 1999 XP₂₄₁ *, 3, 1, 0; 1999 XQ₂₄₁ *, 3, 1, 0; 1999 XR₂₄₁ *, 3, 1, 0; 1999 XS₂₄₁ *, 3, 1, 0; 1999 XT₂₄₁ *, 3, 1, 0; 1999 XU₂₄₁ *, 6, 2, 10; 1999 XV₂₄₁ *, 3, 1, 0; 1999 XY₂₄₁, 6, 2, 26; 1999 XA₂₄₂, 3, 1, 0; 1999 XB₂₄₂, 3, 1, 0; 1999 XE₂₄₂, 3, 1, 0; 1999 XF₂₄₂ *, 3, 1, 0; 1999 XG₂₄₂ *, 6, 2, 10; 1999 XH₂₄₂ *, 6, 2, 18; 1999 XJ₂₄₂, 3, 1, 0; 1999 XK₂₄₂, 6, 2, 15; 1999 XL₂₄₂, 6, 2, 15; 1999 XM₂₄₂, 3, 1, 0; 1999 XP₂₄₂, 9, 3, 60; 1999 XQ₂₄₂, 3, 1, 0; 1999 XR₂₄₂, 3, 1, 0; 1999 XS₂₄₂, 6, 2, 26; 1999 XT₂₄₂, 6, 2, 13; 1999 XU₂₄₂, 9, 3, 39; 1999 XV₂₄₂, 3, 1, 0; 1999 XW₂₄₂, 3, 1, 0; 1999 XY₂₄₂, 12, 4, 446; 1999 XD₂₄₃, 9, 3, 70; 1999 XE₂₄₃ *, 6, 2, 38; 1999 XF₂₄₃ *, 3, 1, 0; 1999 XG₂₄₃ *, 6, 2, 39; 1999 XH₂₄₃ *, 3, 1, 0; 1999 XJ₂₄₃ *, 3, 1, 0; 1999 XK₂₄₃ *, 3, 1, 0; 1999 XL₂₄₃ *, 3, 1, 0; 1999 XM₂₄₃ *, 3, 1, 0; 1999 XN₂₄₃ *, 3, 1, 0; 1999 XO₂₄₃ *, 3, 1, 0; 1999 XY₂₄₃ *, 3, 1, 0; 1999 XZ₂₄₃ *, 3, 1, 0; 1999 XA₂₄₄ *, 3, 1, 0; 1999 XB₂₄₄ *, 3, 1, 0; 1999 XD₂₄₄, 3, 1, 0; 1999 XX₂₅₇, 10, 2, 139; 1999 XM₂₅₈ *, 3, 1, 0; 1999 XN₂₅₈ *, 3, 1, 0; 1999 XO₂₅₈ *, 3, 1, 0; 1999 XP₂₅₈ *, 3, 1, 0; 1999 XJ₂₅₉ *, 3, 1, 0; 1999 XK₂₅₉ *, 3, 1, 0; 1999 XL₂₅₉ *, 3, 1, 0; 1999 YG₃, 4, 1, 0; 1999 YF₄, 3, 1, 0; 1999 YE₇, 3, 1, 0; 1999 YA₉, 3, 1, 0; 1999 YE₉, 3, 1, 0; 1999 YS₉, 3, 1, 0; 1999 YT₉, 9, 2, 85; 1999 YK₁₆, 3, 1, 0; 1999 YR₁₇, 3, 1, 0; 1999 YZ₂₁, 3, 1, 0; 1999 YM₂₂, 3, 1, 0; 1999 YN₂₂ *, 3, 1, 0; 1999 YO₂₂ *, 3, 1, 0; 1999 YP₂₂ *, 3, 1, 0; 1999 YQ₂₂ *, 3, 1, 0; 1999 YR₂₂ *, 3, 1, 0; 1999 YS₂₂ *, 3, 1, 0; 1999 YW₂₂ *, 3, 1, 0; 1999 YX₂₂ *, 3, 1, 0; 1999 YA₂₃ *, 6, 2, 27; 1999 YB₂₃ *, 3, 1, 0; 1999 YC₂₃ *, 6, 2, 14; 1999 YF₂₃ *, 3, 1, 0; 1999 YG₂₃ *, 3, 1, 0; 1999 YZ₂₅ *, 3, 1, 0; 1999 YH₂₆, 3, 1, 0; 1999 YO₂₆, 3, 1, 0; 1999 YP₂₆, 3, 1, 0; 1999 YS₂₆ *, 6, 2, 11; 2000 AN, 6, 2, 27; 2000 AF₁, 3, 1, 0; 2000 AS₁, 3, 1, 0; 2000 AQ₅, 6, 2, 24; 2000 AC₁₂, 3, 1, 0; 2000 AQ₁₄, 3, 1, 0; 2000 AD₂₃, 3, 1, 0; 2000 AF₃₀, 6, 2, 30; 2000 AL₃₄, 3, 1, 0; 2000 AT₃₄, 6, 2, 55; 2000 AW₃₄, 12, 4, 452; 2000 AT₄₀, 6, 2, 16; 2000 AZ₄₀, 3, 1, 0; 2000 AU₄₈, 3, 1, 0; 2000 AO₅₀, 6, 2, 28; 2000 AT₅₀, 3, 1, 0; 2000 AD₅₁, 3, 1, 0; 2000 AH₅₁, 3, 1, 0; 2000 AJ₅₁, 3, 1, 0; 2000 AR₅₁, 3, 1, 0; 2000 AF₅₂, 3, 1, 0; 2000 AT₅₂, 3, 1, 0; 2000 AJ₅₄, 6, 2, 99; 2000 AM₅₅, 3, 1, 0; 2000 AK₅₆, 3, 1, 0; 2000 AP₅₉, 9, 3, 67; 2000 AC₆₁, 3, 1, 0; 2000 AD₆₂, 3, 1, 0; 2000 AK₆₂, 3, 1, 0; 2000 AG₆₃, 4, 1, 0; 2000 AH₆₃, 4, 1, 0; 2000 AO₆₃, 4, 1, 0; 2000 AG₆₄, 3, 1, 0; 2000 AJ₆₄, 3, 1, 0; 2000 AV₆₄, 3, 1, 0; 2000 AA₆₅, 3, 1, 0; 2000 AT₆₅, 3, 1, 0; 2000 AM₆₆, 4, 1, 0; 2000 AS₆₆, 4, 1, 0; 2000 AA₆₇, 4, 1, 0; 2000 AA₆₈, 3, 1, 0; 2000 AG₆₈, 6, 2, 31; 2000 AH₆₈, 9, 3, 54; 2000 AK₆₈, 3, 1, 0; 2000 AQ₆₈, 3, 1, 0; 2000 AR₆₈, 3, 1, 0; 2000 AS₆₈, 6, 2, 10; 2000 AW₆₈, 3, 1, 0; 2000 AD₇₅, 6, 2, 24; 2000 AC₇₈, 3, 1, 0; 2000 AY₇₈, 3, 1, 0; 2000 AX₇₉, 3, 1, 0; 2000 AP₈₄, 3, 1, 0; 2000 AV₈₇, 3, 1, 0; 2000 AH₈₈, 6, 2, 18; 2000 AP₈₈, 3, 1, 0; 2000 AX₈₈, 3, 1, 0; 2000 AR₈₉, 9, 2, 22; 2000 AA₉₀, 6, 2, 25; 2000 AM₉₂, 3, 1, 0; 2000 AX₉₅, 3, 1, 0; 2000 AF₉₆, 6, 2, 27; 2000 AQ₉₆, 3, 1, 0; 2000 AY₉₆, 3, 1, 0; 2000 AD₉₇, 3, 1, 0; 2000 AG₉₇, 3, 1, 0; 2000 AO₉₇, 3, 1, 0; 2000 AQ₉₇, 3, 1, 0; 2000 AS₉₇, 3, 1, 0; 2000 AY₉₇, 3, 1, 0; 2000 AC₉₈, 3, 1, 0; 2000 AG₉₈, 3, 1, 0; 2000 AN₉₈, 6, 2, 27; 2000 AU₉₈, 3, 1, 0; 2000 AW₉₈, 6, 2, 26; 2000 AC₉₉, 3, 1, 0; 2000 AR₉₉, 3, 1, 0; 2000 AW₉₉, 3, 1, 0; 2000 AR₁₀₀, 3, 1, 0; 2000 AY₁₀₀, 3, 1, 0; 2000 AA₁₀₁, 3, 1, 0;

2000 AJ₁₀₁, 6, 2, 23; 2000 AV₁₀₁, 3, 1, 0; 2000 AW₁₀₁, 6, 2, 25; 2000 AG₁₀₂, 3, 1, 0; 2000 AJ₁₀₂, 3, 1, 0; 2000 AK₁₀₂, 3, 1, 0; 2000 AM₁₀₂, 3, 1, 0; 2000 AU₁₀₂, 3, 1, 0; 2000 AV₁₀₂, 12, 4, 48; 2000 AY₁₀₂, 3, 1, 0; 2000 AE₁₀₃, 3, 1, 0; 2000 AG₁₀₃, 3, 1, 0; 2000 AJ₁₀₃, 9, 3, 43; 2000 AO₁₀₃, 3, 1, 0; 2000 AT₁₀₃, 6, 2, 10; 2000 AU₁₀₃, 3, 1, 0; 2000 AW₁₀₃, 3, 1, 0; 2000 AK₁₀₅, 9, 3, 57; 2000 AZ₁₀₆, 6, 2, 27; 2000 AC₁₁₇, 6, 2, 22; 2000 AR₁₂₀, 3, 1, 0; 2000 AN₁₂₂, 6, 2, 37; 2000 AO₁₂₃, 6, 2, 10; 2000 AD₁₂₅, 6, 2, 21; 2000 AO₁₂₅, 3, 1, 0; 2000 AY₁₂₅, 3, 1, 0; 2000 AT₁₂₆, 3, 1, 0; 2000 AQ₁₃₆, 6, 2, 21; 2000 AT₁₃₆, 6, 2, 38; 2000 AU₁₃₆, 3, 1, 0; 2000 AV₁₃₆, 6, 2, 27; 2000 AX₁₃₆, 3, 1, 0; 2000 AH₁₃₇, 6, 2, 34; 2000 AR₁₃₇, 3, 1, 0; 2000 AA₁₃₈, 3, 1, 0; 2000 AW₁₃₈, 3, 1, 0; 2000 AY₁₃₈, 3, 1, 0; 2000 AJ₁₃₉, 3, 1, 0; 2000 AK₁₃₉, 3, 1, 0; 2000 AO₁₃₉, 9, 3, 42; 2000 AW₁₃₉, 6, 2, 27; 2000 AB₁₄₁, 3, 1, 0; 2000 AL₁₄₁, 6, 2, 28; 2000 AJ₁₄₂, 9, 3, 88; 2000 AE₁₄₃, 3, 1, 0; 2000 AN₁₄₄, 3, 1, 0; 2000 AO₁₄₄, 6, 2, 49; 2000 AU₁₄₄, 3, 1, 0; 2000 AO₁₄₅, 4, 1, 0; 2000 AY₁₄₅, 3, 1, 0; 2000 AH₁₄₈, 6, 2, 68; 2000 AV₁₅₄, 3, 1, 0; 2000 AW₁₅₈, 3, 1, 0; 2000 AU₁₆₀, 6, 2, 27; 2000 AC₁₆₂, 3, 1, 0; 2000 AG₁₆₂, 3, 1, 0; 2000 AR₁₆₂, 6, 2, 67; 2000 AT₁₆₂, 3, 1, 0; 2000 AW₁₆₂, 3, 1, 0; 2000 AK₁₆₄, 3, 1, 0; 2000 AM₁₆₅, 6, 2, 131; 2000 AN₁₆₅, 9, 3, 67; 2000 AY₁₆₇, 3, 1, 0; 2000 AC₁₆₈, 4, 1, 0; 2000 AX₁₆₈, 3, 1, 0; 2000 AY₁₆₈, 3, 1, 0; 2000 AD₁₆₉, 3, 1, 0; 2000 AH₁₆₉, 3, 1, 0; 2000 AK₁₆₉, 3, 1, 0; 2000 AB₁₇₅, 3, 1, 0; 2000 AH₁₇₅, 6, 2, 21; 2000 AC₁₇₆, 9, 3, 54; 2000 AA₁₇₇, 3, 1, 0; 2000 AU₁₇₇, 6, 2, 24; 2000 AO₁₈₁, 3, 1, 0; 2000 AG₁₈₃, 6, 2, 22; 2000 AK₁₈₆, 3, 1, 0; 2000 AW₁₈₆, 3, 1, 0; 2000 AD₁₈₇, 3, 1, 0; 2000 AD₁₈₇, 6, 2, 29; 2000 AT₁₈₇, 6, 2, 480; 2000 AD₁₈₈, 6, 2, 33; 2000 AK₁₉₁, 6, 2, 96; 2000 AL₁₉₃, 3, 1, 0; 2000 AG₁₉₄, 3, 1, 0; 2000 AJ₁₉₄, 6, 2, 27; 2000 AM₁₉₅, 3, 1, 0; 2000 AM₁₉₆, 3, 1, 0; 2000 AM₁₉₇, 3, 1, 0; 2000 AS₁₉₇, 3, 1, 0; 2000 AY₁₉₇, 6, 2, 13; 2000 AZ₁₉₇, 3, 1, 0; 2000 AG₁₉₈, 3, 1, 0; 2000 AF₁₉₉, 3, 1, 0; 2000 AR₁₉₉, 3, 1, 0; 2000 AA₂₀₀, 3, 1, 0; 2000 AJ₂₀₂, 3, 1, 0; 2000 AR₂₀₂, 6, 2, 39; 2000 AY₂₀₂, 8, 2, 30; 2000 AC₂₀₃, 12, 2, 30; 2000 AD₂₀₃, 3, 1, 0; 2000 AO₂₀₃, 3, 1, 0; 2000 AC₂₀₅, 3, 1, 0; 2000 AG₂₁₂, 6, 2, 32; 2000 AJ₂₁₂, 3, 1, 0; 2000 AZ₂₂₈, 6, 2, 40; 2000 AG₂₂₉, 6, 2, 15; 2000 AJ₂₂₉, 6, 2, 26; 2000 AJ₂₃₁, 6, 2, 21; 2000 AZ₂₃₂, 3, 1, 0; 2000 AK₂₃₃, 3, 1, 0; 2000 AR₂₃₃, 3, 1, 0; 2000 AS₂₃₃, 3, 1, 0; 2000 AY₂₃₃, 3, 1, 0; 2000 AF₂₃₇, 3, 1, 0; 2000 AL₂₃₇, 3, 1, 0; 2000 AX₂₃₇, 3, 1, 0; 2000 AY₂₃₇, 3, 1, 0; 2000 AZ₂₃₉, 3, 1, 0; 2000 AD₂₄₀, 3, 1, 0; 2000 AQ₂₄₀, 3, 1, 0; 2000 AZ₂₄₀, 3, 1, 0; 2000 AB₂₄₁, 3, 1, 0; 2000 AE₂₄₁, 3, 1, 0; 2000 AV₂₄₁, 4, 1, 0; 2000 AH₂₄₂, 7, 2, 502; 2000 AJ₂₄₂, 4, 1, 0; 2000 AB₂₄₃, 3, 1, 0; 2000 AD₂₄₃, 6, 2, 61; 2000 AK₂₄₃, 3, 1, 0; 2000 AM₂₄₃, 6, 2, 49; 2000 AN₂₄₃, 3, 1, 0; 2000 AR₂₄₃, 3, 1, 0; 2000 AW₂₄₄, 4, 1, 0; 2000 AC₂₄₅, 3, 1, 0; 2000 AF₂₄₅, 3, 1, 0; 2000 AQ₂₄₅, 3, 1, 0; 2000 AJ₂₄₆, 3, 1, 0; 2000 AS₂₄₆, 3, 1, 0; 2000 AU₂₄₆, 3, 1, 0; 2000 AV₂₄₆, 3, 1, 0; 2000 AW₂₄₆, 3, 1, 0; 2000 AX₂₄₆, 3, 1, 0; 2000 AC₂₄₇, 3, 1, 0; 2000 AD₂₄₇, 3, 1, 0; 2000 AE₂₄₇, 3, 1, 0; 2000 AF₂₄₇, 3, 1, 0; 2000 AG₂₄₇, 3, 1, 0; 2000 AH₂₄₇, 3, 1, 0; 2000 AP₂₄₇, 3, 1, 0; 2000 AQ₂₄₇, 3, 1, 0; 2000 AR₂₄₇, 3, 1, 0; 2000 AS₂₄₇, 3, 1, 0; 2000 AT₂₄₇, 3, 1, 0; 2000 AU₂₄₇, 3, 1, 0; 2000 AV₂₄₇, 3, 1, 0; 2000 AW₂₄₇, 3, 1, 0; 2000 AX₂₄₇, 3, 1, 0; 2000 AB₂₄₈, 3, 1, 0; 2000 AC₂₄₈, 3, 1, 0; 2000 AD₂₄₈, 3, 1, 0; 2000 AE₂₄₈, 3, 1, 0; 2000 AF₂₄₈, 3, 1, 0; 2000 AN₂₄₈ *, 3, 1, 0; 2000 AO₂₄₈ *, 3, 1, 0; 2000 AP₂₄₈ *, 3, 1, 0; 2000 AJ₂₅₁, 3, 1, 0; 2000 AN₂₅₁, 3, 1, 0; 2000 AP₂₅₁, 3, 1, 0; 2000 AV₂₅₁, 3, 1, 0; 2000 AW₂₅₁, 3, 1, 0; 2000 BC, 3, 1, 0; 2000 BK₃, 3, 1, 0; 2000 BN₃, 3, 1, 0; 2000 BT₃, 3, 1, 0; 2000 BY₄, 3, 1, 0; 2000 BB₅, 3, 1, 0; 2000 BA₆, 3, 1, 0; 2000 BC₆, 6, 2, 39; 2000 BL₆, 3, 1, 0; 2000 BA₇, 6, 2, 49; 2000 BB₇, 3, 1, 0; 2000 BX₇, 3, 1, 0; 2000 BA₈, 3, 1, 0; 2000 BN₁₄, 3, 1, 0; 2000 BQ₁₄, 3, 1, 0; 2000 BS₁₄, 6, 2, 10; 2000 BE₁₅, 3, 1, 0; 2000 BO₁₅, 6, 2, 58; 2000 BX₁₆, 3, 1, 0; 2000 BY₁₆, 3, 1, 0; 2000 BZ₁₆, 3, 1, 0; 2000 BM₂₃, 3, 1, 0; 2000 BE₂₅, 3, 1, 0; 2000 BP₂₈, 3, 1, 0; 2000 BV₃₁, 4, 1, 0; 2000 BE₃₂, 3, 1, 0; 2000 BU₃₂, 3, 1, 0; 2000 BR₃₄, 4, 1, 0; 2000 BS₃₄, 3, 1, 0; 2000 BU₃₄, 3, 1, 0; 2000 BY₃₄, 4, 1, 0; 2000 CH, 3, 1, 0; 2000 CU, 3, 1, 0; 2000 CE, 6, 1, 0; 2

2000 DX₁₄, 3, 1, 0; 2000 DH₁₅, 6, 2, 32; 2000 DD₁₆, 3, 1, 0; 2000 DJ₁₆, 6, 2, 55; 2000 DA₂₅, 3, 1, 0; 2000 DP₃₀, 4, 1, 0; 2000 DP₃₂, 6, 2, 56; 2000 DD₃₃, 4, 1, 0; 2000 DU₃₄, 3, 1, 0; 2000 DH₄₁, 4, 1, 0; 2000 DC₄₅, 4, 1, 0; 2000 DJ₄₆, 4, 1, 0; 2000 DQ₅₆, 4, 1, 0; 2000 DZ₅₇, 4, 1, 0; 2000 DD₅₈, 4, 1, 0; 2000 DS₅₈, 4, 1, 0; 2000 DM₆₁, 8, 2, 8; 2000 DK₆₃, 3, 1, 0; 2000 DC₇₅, 4, 1, 0; 2000 DU₈₁, 4, 1, 0; 2000 DG₈₂, 3, 1, 0; 2000 DU₉₈, 4, 1, 0; 2000 DV₉₉, 3, 1, 0; 2000 DJ₁₀₀, 4, 1, 0; 2000 DG₁₀₁, 4, 1, 0; 2000 DG₁₀₂, 4, 1, 0; 2000 DF₁₀₃, 3, 1, 0; 2000 DX₁₀₃, 4, 1, 0; 2000 DW₁₀₈, 4, 1, 0; 2000 DS₁₁₂, 4, 1, 0; 2000 DZ₁₁₇, 4, 1, 0; 2000 EB₁₂, 2, 15; 2000 EC₁₅, 3, 1, 0; 2000 ER₁₇, 3, 1, 0; 2000 EZ₁₈, 4, 1, 0; 2000 EP₁₉, 6, 2, 21; 2000 EM₂₀, 3, 1, 0; 2000 EP₂₀, 4, 1, 0; 2000 EQ₂₀, 9, 3, 57; 2000 ES₂₀, 4, 1, 0; 2000 EP₃₀, 4, 1, 0; 2000 EX₃₂, 6, 2, 46; 2000 EE₃₆, 3, 1, 0; 2000 EF₃₆, 3, 1, 0; 2000 EP₃₈, 4, 1, 0; 2000 EL₃₉, 6, 2, 60; 2000 EH₄₄, 8, 2, 12; 2000 EK₄₅, 9, 3, 36; 2000 EU₄₅, 3, 1, 0; 2000 EA₄₆, 8, 2, 11; 2000 EZ₄₈, 4, 1, 0; 2000 ER₅₄, 8, 2, 23; 2000 EG₅₅, 3, 1, 0; 2000 EE₅₆, 8, 2, 8; 2000 ES₅₆, 4, 1, 0; 2000 EG₅₈, 4, 1, 0; 2000 EQ₅₈, 8, 2, 6; 2000 EG₆₃, 4, 1, 0; 2000 ER₆₃, 3, 1, 0; 2000 EX₆₃, 8, 2, 12; 2000 EY₆₃, 4, 1, 0; 2000 ES₆₅, 4, 1, 0; 2000 EZ₆₇, 4, 1, 0; 2000 EH₆₈, 8, 2, 12; 2000 EH₇₅, 4, 1, 0; 2000 EX₇₅, 4, 1, 0; 2000 EK₇₆, 6, 2, 34; 2000 EH₇₇, 4, 1, 0; 2000 EL₇₇, 6, 2, 53; 2000 EE₇₉, 4, 1, 0; 2000 EJ₈₁, 4, 1, 0; 2000 EC₈₃, 3, 1, 0; 2000 EJ₈₄, 4, 1, 0; 2000 ER₈₆, 4, 1, 0; 2000 EE₈₇, 8, 2, 24; 2000 EG₈₇, 6, 2, 13; 2000 EV₈₇, 8, 2, 25; 2000 EZ₉₀, 4, 1, 0; 2000 EM₉₂, 9, 3, 54; 2000 EY₉₂, 3, 1, 0; 2000 EY₉₂, 4, 1, 0; 2000 EV₉₄, 4, 1, 0; 2000 EE₉₅, 6, 2, 108; 2000 EH₉₅, 6, 2, 20; 2000 EK₉₅, 7, 2, 485; 2000 EU₉₆, 3, 1, 0; 2000 EH₉₇, 8, 2, 21; 2000 EP₉₇, 4, 1, 0; 2000 EQ₉₇, 4, 1, 0; 2000 EJ₁₀₁, 4, 1, 0; 2000 EK₁₀₄, 4, 1, 0; 2000 ES₁₀₄, 3, 1, 0; 2000 ES₁₀₅, 3, 1, 0; 2000 EG₁₀₆, 4, 1, 0; 2000 EH₁₀₇, 4, 1, 0; 2000 EL₁₀₇, 3, 1, 0; 2000 ET₁₀₇, 3, 1, 0; 2000 EX₁₀₉, 8, 2, 24; 2000 EE₁₁₀, 3, 1, 0; 2000 EG₁₁₀, 4, 1, 0; 2000 EG₁₁₂, 4, 1, 0; 2000 EQ₁₁₃, 8, 2, 24; 2000 EN₁₁₄, 3, 1, 0; 2000 EK₁₁₆, 4, 1, 0; 2000 EO₁₁₆, 4, 1, 0; 2000 EC₁₁₇, 3, 1, 0; 2000 EA₁₁₉, 4, 1, 0; 2000 EF₁₁₉, 4, 1, 0; 2000 EO₁₁₉, 4, 1, 0; 2000 EV₁₁₉, 12, 4, 53; 2000 EA₁₂₀, 4, 1, 0; 2000 EN₁₂₀, 4, 1, 0; 2000 EK₁₂₂, 8, 2, 8; 2000 ES₁₂₂, 6, 2, 29; 2000 EO₁₂₅, 4, 1, 0; 2000 EQ₁₂₇, 3, 1, 0; 2000 EH₁₂₈, 16, 3, 31; 2000 EH₁₂₉, 4, 1, 0; 2000 ED₁₃₁, 4, 1, 0; 2000 EQ₁₃₃, 4, 1, 0; 2000 EZ₁₃₄, 4, 1, 0; 2000 EP₁₃₅, 4, 1, 0; 2000 ES₁₃₆, 3, 1, 0; 2000 ET₁₃₇, 8, 2, 1; 2000 EW₁₃₇, 4, 1, 0; 2000 EN₁₃₈, 3, 1, 0; 2000 EW₁₃₈, 3, 1, 0; 2000 EA₁₄₀, 4, 1, 0; 2000 EY₁₄₀, 4, 1, 0; 2000 EU₁₄₁, 3, 1, 0; 2000 EV₁₄₂, 9, 3, 56; 2000 EN₁₄₄, 6, 2, 39; 2000 EU₁₄₄, 4, 1, 0; 2000 EY₁₄₄, 8, 2, 12; 2000 EB₁₄₅, 8, 2, 12; 2000 EJ₁₄₅, 6, 2, 12; 2000 EU₁₄₅, 7, 2, 582; 2000 EL₁₄₆, 6, 2, 110; 2000 ER₁₄₇, 3, 1, 0; 2000 EV₁₄₇, 4, 1, 0; 2000 ET₁₄₈, 4, 1, 0; 2000 EX₁₄₈, 6, 2, 69; 2000 EA₁₅₀, 6, 2, 58; 2000 EQ₁₅₀, 4, 1, 0; 2000 EY₁₅₀, 3, 1, 0; 2000 ED₁₅₁, 4, 1, 0; 2000 EJ₁₅₁, 3, 1, 0; 2000 EL₁₅₃, 4, 1, 0; 2000 EP₁₅₃, 8, 2, 23; 2000 EG₁₅₅, 8, 2, 12; 2000 EM₁₅₈, 6, 2, 23; 2000 EW₁₆₉, 4, 1, 0; 2000 ET₁₇₀, 4, 1, 0; 2000 EA₁₇₁, 8, 2, 33; 2000 EK₁₇₁, 4, 1, 0; 2000 EL₁₇₁, 4, 1, 0; 2000 EX₁₇₁, 4, 1, 0; 2000 EY₁₇₂, 4, 1, 0; 2000 EO₁₇₃, 4, 1, 0; 2000 EV₁₇₄, 4, 1, 0; 2000 EZ₁₇₄, 4, 1, 0; 2000 EA₁₇₅, 4, 1, 0; 2000 EE₁₇₅, 4, 1, 0; 2000 EG₁₇₅, 8, 2, 23; 2000 EN₁₇₅, 4, 1, 0; 2000 EM₁₇₇, 4, 1, 0; 2000 ER₁₇₈, 4, 1, 0; 2000 ES₁₇₈, 4, 1, 0; 2000 EA₁₇₉, 4, 1, 0; 2000 ED₁₇₉, 4, 1, 0; 2000 EG₁₇₉, 4, 1, 0; 2000 EP₁₈₄, 4, 1, 0; 2000 EB₁₈₆, 3, 1, 0; 2000 EC₁₈₆, 4, 1, 0; 2000 EM₁₈₆, 4, 1, 0; 2000 EO₁₈₆, 4, 1, 0; 2000 EP₁₈₆, 4, 1, 0; 2000 EA₁₈₇, 4, 1, 0; 2000 ED₁₈₇, 4, 1, 0; 2000 EO₁₈₇, 4, 1, 0; 2000 EP₁₈₇, 4, 1, 0; 2000 EQ₁₈₇, 4, 1, 0; 2000 ES₁₈₇, 4, 1, 0; 2000 EK₁₈₈, 4, 1, 0; 2000 EL₁₈₈, 4, 1, 0; 2000 EM₁₈₉, 4, 1, 0; 2000 EP₁₈₉, 4, 1, 0; 2000 EA₁₉₀, 4, 1, 0; 2000 EF₁₉₀, 4, 1, 0; 2000 EG₁₉₀, 4, 1, 0; 2000 EH₁₉₀, 4, 1, 0; 2000 EK₁₉₀, 4, 1, 0; 2000 EL₁₉₀, 4, 1, 0; 2000 EF₁₉₁, 4, 1, 0; 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4, 1, 0; 2000 FO₅₇, 4, 1, 0; 2000 FP₅₇, 8, 2, 12; 2000 FQ₅₇, 8, 2, 12; 2000 FR₅₇, 8, 2, 32; 2000 FS₅₇, 8, 2, 12; 2000 FT₅₇, 4, 1, 0; 2000 FU₅₇, 4, 1, 0; 2000 FV₅₇, 4, 1, 0; 2000 FW₅₇, 4, 1, 0; 2000 FX₅₇, 12, 3, 32; 2000 FY₅₇, 4, 1, 0; 2000 FZ₅₇, 4, 1, 0; 2000 FA₅₈, 4, 1, 0; 2000 FB₅₈, 12, 3, 32; 2000 FC₅₈, 12, 3, 32; 2000 FD₅₈, 8, 2, 12; 2000 FE₅₈, 4, 1, 0; 2000 FF₅₈, 4, 1, 0; 2000 FG₅₈, 4, 1, 0; 2000 FH₅₈, 4, 1, 0; 2000 FJ₅₈, 4, 1, 0; 2000 FK₅₈, 8, 2, 32; 2000 FL₅₈, 4, 1, 0; 2000 FM₅₈, 8, 2, 10; 2000 FN₅₈, 4, 1, 0; 2000 FO₅₈, 8, 2, 8; 2000 FP₅₈, 8, 2, 33; 2000 FQ₅₈, 4, 1, 0; 2000 FR₅₈, 4, 1, 0; 2000 FS₅₈, 4, 1, 0; 2000 FT₅₈, 4, 1, 0; 2000 FU₅₈, 8, 2, 32; 2000 FV₅₈, 8, 2, 32; 2000 FW₅₈, 4, 1, 0; 2000 FX₅₈, 4, 1, 0; 2000 FY₅₈, 4, 1, 0; 2000 FZ₅₈, 4, 1, 0; 2000 FA₅₉, 4, 1, 0; 2000 FC₅₉, 4, 1, 0; 2000 FE₅₉, 4, 1, 0; 2000 FF₅₉, 8, 2, 50; 2000 FX₆₁, 8, 2, 12; 2000 FY₆₁, 8, 2, 12; 2000 FZ₆₁, 8, 2, 12; 2000 FA₆₂, 8, 2, 12; 2000 FB₆₂, 8, 2, 12; 2000 FC₆₂, 8, 2, 12; 2000 FD₆₂, 8, 2, 12; 2000 FE₆₂, 8, 2, 12; 2000 FF₆₂, 8, 2, 12; 2000 FG₆₂, 4, 1, 0; 2000 FH₆₂, 8, 2, 12; 2000 FJ₆₂, 8, 2, 12; 2000 FK₆₂, 4, 1, 0; 2000 FL₆₂, 8, 2, 12; 2000 FM₆₂, 4, 1, 0; 2000 FN₆₂, 8, 2, 12; 2000 FO₆₂, 4, 1, 0; 2000 FP₆₂, 8, 2, 12; 2000 FQ₆₂, 8, 2, 12; 2000 FR₆₂, 8, 2, 12; 2000 FS₆₂, 8, 2, 12; 2000 FT₆₂, 8, 2, 12; 2000 FU₆₂, 4, 1, 0; 2000 FV₆₂, 8, 2, 12; 2000 FW₆₂, 8, 2, 12; 2000 FX₆₂, 8, 2, 11; 2000 FY₆₂, 4, 1, 0; 2000 FZ₆₂, 4, 1, 0; 2000 FA₆₃, 4, 1, 0; 2000 FB₆₃, 4, 1, 0; 2000 FC₆₃, 4, 1, 0; 2000 FD₆₃, 4, 1, 0; 2000 FE₆₃, 4, 1, 0; 2000 FF₆₃, 4, 1, 0; 2000 FG₆₃, 4, 1, 0; 2000 FH₆₃, 4, 1, 0; 2000 FJ₆₃, 4, 1, 0; 2000 FK₆₃, 4, 1, 0; 2000 FL₆₃, 4, 1, 0; 2000 FM₆₃, 4, 1, 0; 2000 FN₆₃, 4, 1, 0; 2000 FO₆₃, 4, 1, 0; 2000 FP₆₃, 4, 1, 0; 2000 FQ₆₃, 4, 1, 0; 2000 FR₆₃, 4, 1, 0; 2000 FS₆₃, 4, 1, 0; 2000 FT₆₃, 4, 1, 0; 2000 FU₆₃, 4, 1, 0; 2000 FW₆₃, 4, 1, 0; 2000 FX₆₃, 4, 1, 0; 2000 FY₆₃, 4, 1, 0; 2000 FZ₆₃, 4, 1, 0; 2000 FA₆₄, 4, 1, 0; 2000 FB₆₄, 4, 1, 0; 2000 FC₆₄, 4, 1, 0; 2000 FD₆₄, 4, 1, 0; 2000 FE₆₄, 4, 1, 0; 2000 FG₆₄, 4, 1, 0; 2000 FH₆₄, 4, 1, 0; 2000 FJ₆₄, 4, 1, 0; 2000 FK₆₄, 4, 1, 0; 2000 FL₆₄, 4, 1, 0; 2000 FM₆₄, 4, 1, 0; 2000 FN₆₄, 4, 1, 0; 2000 FO₆₄, 4, 1, 0; 2000 FP₆₄, 8, 2, 10; 2000 FQ₆₄, 8, 2, 10; 2000 FR₆₄, 8, 2, 10; 2000 FS₆₄, 8, 2, 10; 2000 FT₆₄, 4, 1, 0; 2000 FU₆₄, 4, 1, 0; 2000 FV₆₄, 4, 1, 0; 2000 FW₆₄, 4, 1, 0; 2000 FX₆₄, 4, 1, 0; 2000 FY₆₄, 4, 1, 0; 2000 FZ₆₄, 4, 1, 0; 2000 FA₆₅, 4, 1, 0; 2000 FB₆₅, 4, 1, 0; 2000 FC₆₅, 4, 1, 0; 2000 FD₆₅, 4, 1, 0; 2000 FE₆₅, 4, 1, 0; 2000 FG₆₅, 4, 1, 0; 2000 FH₆₅, 8, 2, 10; 2000 FJ₆₅, 8, 2, 10; 2000 FK₆₅, 8, 2, 10; 2000 FL₆₅, 8, 2, 10; 2000 FM₆₅, 8, 2, 10; 2000 FN₆₅, 8, 2, 10; 2000 FO₆₅, 8, 2, 10; 2000 FP₆₅, 8, 2, 10; 2000 FQ₆₅, 8, 2, 10; 2000 FR₆₅, 8, 2, 10; 2000 FS₆₅, 8, 2, 10; 2000 FT₆₅, 4, 1, 0; 2000 FU₆₅, 4, 1, 0; 2000 FV₆₅, 4, 1, 0; 2000 FW₆₅, 4, 1, 0; 2000 FX₆₅, 4, 1, 0; 2000 FY₆₅, 4, 1, 0; 2000 FZ₆₅, 4, 1, 0; 2000 FA₆₆, 4, 1, 0; 2000 FB₆₆, 4, 1, 0; 2000 FC₆₆, 4, 1, 0; 2000 FD₆₆, 4, 1, 0; 2000 FE₆₆, 4, 1, 0; 2000 FG₆₆, 4, 1, 0; 2000 FH₆₆, 4, 1, 0; 2000 FJ₆₆, 4, 1, 0; 2000 FK₆₆, 4, 1, 0; 2000 FL₆₆, 4, 1, 0; 2000 FM₆₆, 4, 1, 0; 2000 FN₆₆, 4, 1, 0; 2000 FO₆₆, 4, 1, 0; 2000 FP₆₆, 8, 2, 10; 2000 FQ₆₆, 8, 2, 10; 2000 FR₆₆, 8, 2, 10; 2000 FS₆₆, 8, 2, 10; 2000 FT₆₆, 4, 1, 0; 2000 FU₆₆, 4, 1, 0; 2000 FV₆₆, 4, 1, 0; 2000 FW₆₆, 4, 1, 0; 2000 FX₆₆, 4, 1, 0; 2000 FY₆₆, 4, 1, 0; 2000 FZ₆₆, 4, 1, 0; 2000 FA₆₇, 4, 1, 0; 2000 FB₆₇, 4, 1, 0; 2000 FC₆₇, 4, 1, 0; 2000 FD₆₇, 4, 1, 0; 2000 FE₆₇, 4, 1, 0; 2000 FG₆₇, 4, 1, 0; 2000 FH₆₇, 8, 2, 33; 2000 FJ₆₇, 4, 1, 0; 2000 FK₆₇, 4, 1, 0; 2000 FL₆₇, 4, 1, 0; 2000 FM₆₇, 4, 1, 0; 2000 FN₆₇, 4, 1, 0; 2000 FO₆₇, 4, 1, 0; 2000 FP₆₇, 8, 2, 33; 2000 FQ₆₇, 8, 2, 36; 2000 FR₆₇, 4, 1, 0; 2000 FS₆₇, 4, 1, 0; 2000 FT₆₇, 4, 1, 0; 2000 FU₆₇, 4, 1, 0; 2000 FV₆₇, 4, 1, 0; 2000 FW₆₇, 4, 1, 0; 2000 FX₆₇, 4, 1, 0; 2000 FY₆₇, 4, 1, 0; 2000 FZ₆₇, 4, 1, 0; 2000 FA₆₈, 4, 1, 0; 2000 FB₆₈, 4, 1, 0; 2000 FC₆₈, 4, 1, 0; 2000 FD₆₈, 4, 1, 0; 2000 FE₆₈, 4, 1, 0; 2000 FG₆₈, 4, 1, 0; 2000 FH₆₈, 4, 1, 0; 2000 FJ₆₈, 4, 1, 0; 2000 FK₆₈, 4

2000 JN83, 12, 3, 37; 2000 JO83, 8, 2, 15; 2000 JP83, 12, 3, 26; 2000 JQ83, 4, 1, 0; 2000 JS83, 8, 2, 41; 2000 JV83 *, 4, 1, 0; 2000 JW83, 8, 2, 31; 2000 JX83, 4, 1, 0; 2000 JY83, 4, 1, 0; 2000 JZ83, 4, 1, 0; 2000 JA84, 8, 2, 25; 2000 JB84, 4, 1, 0; 2000 JC84, 8, 2, 17; 2000 JD84, 4, 1, 0; 2000 JE84, 12, 3, 25; 2000 JF84, 8, 1, 0; 2000 JG84, 4, 1, 0; 2000 JH84, 4, 1, 0; 2000 JJ84, 8, 2, 25; 2000 JQ84, 4, 1, 0; 2000 JR84, 8, 2, 29; 2000 JS84, 4, 1, 0; 2000 JT84, 8, 2, 14; 2000 JU84, 4, 1, 0; 2000 JV84 *, 8, 2, 11; 2000 JX84 *, 8, 2, 12; 2000 JY84, 4, 1, 0; 2000 JC85, 8, 2, 1; 2000 JG85, 4, 1, 0; 2000 JH85, 4, 1, 0; 2000 JJ85 *, 8, 1, 0; 2000 JL85, 4, 1, 0; 2000 JO85, 4, 1, 0; 2000 JW85 *, 8, 2, 9; 2000 JX85 *, 8, 2, 9; 2000 JY85 *, 4, 1, 0; 2000 JZ85 *, 8, 2, 64; 2000 JA86 *, 4, 1, 0; 2000 JB86, 4, 1, 0; 2000 JC86, 4, 1, 0; 2000 JO86 *, 4, 1, 0; 2000 JQ86, 8, 2, 45; 2000 JR86 *, 4, 1, 0; 2000 JS86 *, 4, 1, 0; 2000 JT86 *, 4, 1, 0; 2000 JU86 *, 4, 1, 0; 2000 JV86 *, 4, 1, 0; 2000 JW86 *, 4, 1, 0; 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(10807), 8, 2, 1; (10810), 4, 1, 0; (10812), 4, 1, 0; (10816), 8, 2, 1; (10818), 4, 1, 0; (10852), 8, 2, 1; (10876), 8, 2, 1; (10877), 4, 1, 0; (10891), 8, 2, 1; (10899), 4, 1, 0; (10907), 4, 1, 0; (10910), 4, 1, 0; (10914), 8, 2, 1; (10916), 4, 1, 0; (10930), 4, 1, 0; (10933), 4, 1, 0; (10934), 8, 2, 1; (10941), 4, 1, 0; (10949), 4, 1, 0; (10959), 8, 2, 1; (10967), 4, 1, 0; (10981), 4, 1, 0; (11038), 12, 3, 5; (11039), 8, 2, 1; (11072), 4, 1, 0; (11078), 7, 2, 602; (11089), 4, 1, 0; (11123), 8, 2, 1; (11134), 4, 1, 0; (11151), 4, 1, 0; (11175), 8, 2, 1; (11194), 4, 1, 0; (11195), 4, 1, 0; (11196), 4, 1, 0; (11216), 8, 2, 1; (11218), 4, 1, 0; (11223), 4, 1, 0; (11224), 8, 2, 1; (11226), 4, 1, 0; (11234), 4, 1, 0; (11239), 4, 1, 0; (11249), 3, 1, 0; (11299), 4, 1, 0; (11319), 8, 2, 1; (11333), 3, 1, 0; (11336), 4, 1, 0; (11355), 8, 2, 1; (11620), 8, 2, 1; (11666), 4, 1, 0; (11743), 8, 2, 1; (11755), 4, 1, 0; (11921), 3, 1, 0; (13073), 3, 1, 0; (13531), 4, 1, 0; (13582), 3, 1, 0; (13816), 3, 1, 0; (13842), 3, 1, 0; (14205), 3, 1, 0; (14256), 3, 1, 0; (14261), 3, 1, 0; (14268), 3, 1, 0; (14379), 3, 1, 0; (14494), 8, 2, 1; (14660), 8, 2, 1; (14687), 3, 1, 0; (14691), 3, 1, 0; (14692), 3, 1, 0; (14806), 4, 1, 0; (14807), 8, 2, 1; (14815), 4, 1, 0; (14817), 4, 1, 0; (14876), 4, 1, 0; (14898), 4, 1, 0; (14899), 4, 1, 0; (14902), 4, 1, 0; (14908), 4, 1, 0; (14918), 3, 1, 0; (14927), 4, 1, 0; (14945), 4, 1, 0; (14950), 4, 1, 0; (14959), 4, 1, 0; (14972), 8, 2, 1; (14986), 4, 1, 0; (14999), 4, 1, 0; (15000), 4, 1, 0; (15024), 4, 1, 0; (15034), 4, 1, 0; (15064), 4, 1, 0; (15076), 12, 2, 1; (15078), 8, 2, 1; (15104), 3, 1, 0; (15145), 4, 1, 0; (15155), 3, 1, 0; (15163), 3, 1, 0; (15172), 4, 1, 0; (15179), 3, 1, 0; (15200), 3, 1, 0; (15202), 7, 2, 1; (15224), 4, 1, 0; (15229), 3, 1, 0; (15230), 4, 1, 0; (15247), 3, 1, 0; (15257), 4, 1, 0; (15282), 8, 2, 1; (15286), 8, 2, 16; (15287), 4, 1, 0; (15291), 8, 2, 15; (15311), 3, 1, 0; (15350), 3, 1, 0; (15356), 4, 1, 0; (15359), 4, 1, 0; (15363), 8, 2, 1; 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0; (15518), 3, 1, 0; (15537), 3, 1, 0; (15592), 3, 1, 0; (15598), 3, 1, 0; (15605), 4, 1, 0; (15616), 4, 1, 0; (15617), 3, 1, 0; (15627), 4, 1, 0; (15628), 4, 1, 0; (15632), 4, 1, 0; (15636), 4, 1, 0; (15638), 4, 1, 0; (15661), 4, 1, 0; [26208, 5474, 1033*, 1998/01/08-2000/07/20]

703 Catalina Sky Survey

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85721, U.S.A. [cherger@pir1.lpl.arizona.edu]

Observers C. W. Hergenrother, T. B. Spahr, J. W. Brownlee

0.41-m $f/3$ Schmidt + CCD

USNO-SA2.0, USNO-SA1.0

1985 PF, 2, 1, 0; 1989 TQ₁₅, 4, 1, 0; 1990 EP₃, 4, 1, 0; 1990 KJ, 3, 1, 0; 1991 PK₃₁, 4, 1, 0; 1993 BV₅, 4, 1, 0; 1993 HH₄, 4, 1, 0; 1993 QZ₇, 4, 1, 0; 1994 BO₃, 3, 1, 0; 1994 ED₆, 4, 1, 0; 1995 DX₅, 4, 1, 0; 1995 UC₅, 4, 1, 0; 1995 WD₃₂, 4, 1, 0; 1995 YO₅, 4, 1, 0; 1996 EV, 3, 1, 0; 1996 GH₂₀, 4, 1, 0; 1996 HM₁₃, 3, 1, 0; 1997 AT₁₄, 3, 1, 0; 1997 CN₄, 4, 1, 0; 1997 CF₂₀, 4, 1, 0; 1997 CP₂₉, 4, 1, 0; 1997 EJ₅, 4, 1, 0; 1997 GT₃₄, 4, 1, 0; 1997 GK₃₆, 4, 1, 0; 1997 OE₂, 4, 1, 0; 1997 PO₂, 4, 1, 0; 1997 TD₁₉, 4, 1, 0; 1997 WJ₅, 4, 1, 0; 1997 WT₃₉, 4, 1, 0; 1998 FL₃, 2, 1, 0; 1998 FP₄₈, 4, 1, 0; 1998 FK₁₁₄, 8, 2, 11; 1998 HK, 4, 1, 0; 1998 HT₃, 4, 1, 0; 1998 HH₂₀, 4, 1, 0; 1998 HO₅₁, 4, 1, 0; 1998 HN₁₂₁, 4, 1, 0; 1998 JY, 4, 1, 0; 1998 KA₅₀, 4, 1, 0; 1998 MR₂₂, 4, 1, 0; 1998 OJ₆, 4, 1, 0; 1998 OS₁₄, 4, 1, 0; 1998 QF₃₉, 4, 1, 0; 1998 SP₁₃₅, 4, 1, 0; 1998 TX₃₄, 4, 1, 0; 1998 VE₅₂, 3, 1, 0; 1998 VL₅₂, 3, 1, 0; 1998 WP₁₇, 4, 1, 0; 1999 AO₃₈, 2, 1, 0; 1999 AP₃₈, 2, 1, 0; 1999 BQ₂₀, 4, 1, 0; 1999 CG₃₇, 4, 1, 0; 1999 CY₁₁₉, 4, 1, 0; 1999 EA₁₂, 4, 1, 0; 1999 FV₉, 4, 1, 0; 1999 FD₅₆, 4, 1, 0; 1999 FF₅₉, 4, 1, 0; 1999 GF₂₈, 4, 1, 0; 1999 GF₃₀, 4, 1, 0; 1999 GY₃₁, 4, 1, 0; 1999 GC₃₂, 4, 1, 0; 1999 GX₃₇, 4, 1, 0; 1999 GP₄₀, 4, 1, 0; 1999 GS₄₁, 4, 1, 0; 1999 GX₄₅, 4, 1, 0; 1999 GL₄₈, 4, 1, 0; 1999 GN₅₀, 4, 1, 0; 1999 GV₅₀, 4, 1, 0; 1999 GE₅₇, 4, 1, 0; 1999 GR₅₈, 4, 1, 0; 1999 GS₅₈, 4, 1, 0; 1999 GT₅₈, 4, 1, 0; 1999 GU₅₈, 4, 1, 0; 1999 GV₅₈, 4, 1, 0; 1999 GW₅₈, 4, 1, 0; 1999 GX₅₈, 4, 1, 0; 1999 GZ₅₈, 4, 1, 0; 1999 GZ₅₈, 4, 1, 0; 1999 GA₅₉, 4, 1, 0; 1999 GB₅₉, 4, 1, 0; 1999 GC₅₉, 4, 1, 0; 1999 GD₅₉, 4, 1, 0; 1999 GE₅₉, 4, 1, 0; 1999 GF₅₉, 4, 1, 0; 1999 GG₅₉, 4, 1, 0; 1999 GH₅₉, 4, 1, 0; 1999 GI₅₉, 4, 1, 0; 1999 GK₅₉, 4, 1, 0; 1999 GL₅₉, 4, 1, 0; 1999 GM₅₉, 4, 1, 0; 1999 GN₅₉, 4, 1, 0; 1999 GT₅₉, 4, 1, 0; 1999 GU₅₉, 4, 1, 0; 1999 GV₅₉, 4, 1, 0; 1999 GW₅₉, 4, 1, 0; 1999 GU₆₀, 4, 1, 0; 1999 GV₆₀, 4, 1, 0; 1999 GW₆₀, 4, 1, 0; 1999 GX₆₀, 4, 1, 0; 1999 GY₆₀, 4, 1, 0; 1999 GZ₆₀, 4, 1, 0; 1999 GC₆₁, 4, 1, 0; 1999 JP₄₉, 4, 1, 0; 1999 JT₅₃, 4, 1, 0; 1999 JM₈₈, 4, 1, 0; 1999 JS₈₈, 4, 1, 0; 1999 JP₉₅, 4, 1, 0; 1999 JE₉₈, 4, 1, 0; 1999 JW₉₉, 4, 1, 0; 1999 JP₁₀₉, 4, 1, 0; 1999 NK₂₀, 4, 1, 0; 1999 NE₂₄, 4, 1, 0; 1999 NU₂₄, 4, 1, 0; 1999 NB₂₅, 4, 1, 0; 1999 NB₂₇, 4, 1, 0; 1999 NG₃₆, 8, 2, 9; 1999 NX₄₀, 4, 1, 0; 1999 OC₂, 4, 1, 0; 1999 RY₂₄, 4, 1, 0; 1999 RP₂₅, 4, 1, 0; 1999 RD₂₆, 4, 1, 0; 1999 RB₂₇, 4, 1, 0; 1999 RV₂₉, 4, 1, 0; 1999 RB₃₀, 4, 1, 0; 1999 RN₃₇, 4, 1, 0; 1999 RU₄₀, 4, 1, 0; 1999 RA₄₁, 4, 1, 0; 1999 RA₅₂, 4, 1, 0; 1999 RK₅₃, 4, 1, 0; 1999 RE₅₅, 4, 1, 0; 1999 RQ₆₆, 4, 1, 0; 1999 RS₇₅, 4, 1, 0; 1999 RF₈₆, 4, 1, 0; 1999 RQ₈₆, 4, 1, 0; 1999 RU₈₇, 4, 1, 0; 1999 RB₉₈, 4, 1, 0; 1999 RP₁₀₄, 4, 1, 0; 1999 RU₁₀₄, 4, 1, 0; 1999 RQ₁₀₇, 4, 1, 0; 1999 RW₁₀₉, 8, 2, 42; 1999 RE₁₁₀, 4, 1, 0; 1999 RQ₁₁₀, 8, 2, 56; 1999 RU₁₁₂, 4, 1, 0; 1999 RB₁₁₈, 4, 1, 0; 1999 RK₁₂₉, 4, 1, 0; 1999 RS₁₃₄, 4, 1, 0; 1999 RN₁₄₇, 4, 1, 0; 1999 RS₁₅₀, 4, 1, 0; 1999 RC₁₅₇, 4, 1, 0; 1999 RZ₁₆₁, 4, 1, 0; 1999 RM₁₆₄, 4, 1, 0; 1999 RD₁₆₆, 4, 1, 0; 1999 RB₁₆₇, 4, 1, 0; 1999 RZ₁₈₃, 4, 1, 0; 1999 RB₁₈₄, 4, 1, 0; 1999 RH₁₈₆, 4, 1, 0; 1999 RW₁₉₉, 4, 1, 0; 1999 RF₂₀₀, 4, 1, 0; 1999 RO₂₀₀, 8, 2, 65; 1999 RW₂₀₀, 4, 1, 0; 1999 RX₂₀₀, 4, 1, 0; 1999 RF₂₀₁, 4, 1, 0; 1999 RO₂₀₁, 4, 1, 0; 1999 RX₂₀₁, 4, 1, 0; 1999 RA₂₀₂, 4, 1, 0; 1999 RC₂₀₂, 4, 1, 0; 1999 RH₂₀₂, 4, 1, 0; 1999 RL₂₀₃, 4, 1, 0; 1999 RR₂₀₄, 8, 1, 0; 1999 RC₂₀₅, 4, 1, 0; 1999 RB₂₀₇, 4, 1, 0; 1999 RB₂₀₈, 8, 2, 27; 1999 RF₂₀₈, 8, 2, 53; 1999 RK₂₀₈, 4, 1, 0; 1999 RU₂₀₉, 4, 1, 0; 1999 RL₂₁₀, 4, 1, 0; 1999 RN₂₁₂, 8, 2, 53; 1999 RF₂₁₃, 4, 1, 0; 1999 RO₂₂₀, 4, 1, 0; 1999 RK₂₂₁, 4, 1, 0; 1999 RN₂₂₁, 4, 1, 0; 1999 RT₂₂₁, 4, 1, 0; 1999 RX₂₂₁, 4, 1, 0; 1999 RZ₂₂₃, 4, 1, 0; 1999 RV₂₂₆, 4, 1, 0; 1999 RW₂₂₆, 4, 1, 0; 1999 RY₂₂₆, 4, 1, 0; 1999 RH₂₂₇, 4, 1, 0; 1999 RP₂₃₃, 4, 1, 0; 1999 RN₂₃₈, 4, 1, 0; 1999 RG₂₃₉, 4, 1, 0; 1999 RC₂₄₂, 4, 1, 0; 1999 RK₂₄₂ *, 4, 1, 0; 1999 RA₂₄₃ *, 4, 1, 0; 1999 RB₂₄₃ *, 4, 1, 0; 1999 RC₂₄₃ *, 4, 1, 0; 1999 RD₂₄₃ *, 4, 1, 0; 1999 RE₂₄₃ *, 4, 1, 0; 1999 RF₂₄₃ *, 4, 1, 0; 1999 RO₂₄₆, 8, 1, 0; 1999 RT₂₄₆ *, 4, 1, 0; 1999 RU₂₄₆ *, 4, 1, 0; 1999 RV₂₄₆ *, 4, 1, 0; 1999 RW₂₄₆ *, 4, 1, 0; 1999 RX₂₄₆ *, 4, 1, 0; 1999 RY₂₄₆ *, 4, 1, 0; 1999 RZ₂₄₆, 4, 1, 0; 1999 RH₂₄₇, 8, 1, 0; 1999 RK₂₄₇ *, 4, 1, 0; 1999 RL₂₄₇ *, 4, 1, 0; 1999 RO₂₄₇ *, 4, 1, 0; 1999 RF₂₄₈, 4, 1, 0; 1999 RL₂₄₈ *, 4, 1, 0; 1999 RM₂₄₈ *, 4, 1, 0; 1999 RN₂₄₈ *, 4, 1, 0; 1999 RO₂₄₈ *, 4, 1, 0; 1999 RT₂₄₈, 4, 1, 0; 1999 RU₂₄₈, 4, 1, 0; 1999 RV₂₄₈, 4, 1, 0; 1999 RC₂₄₉, 4, 1, 0; 1999 RE₂₄₉, 4, 1, 0; 1999 RF₂₄₉, 4, 1, 0; 1999 RG₂₄₉, 4, 1, 0; 1999 RH₂₄₉, 4, 1, 0; 1999 RL₂₄₉, 4, 1, 0;

704 Lincoln Laboratory Experimental Test System, New Mexico

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Observers M. Blythe, F. Shelly, M. Bezpalko, M. Elowitz, R. Huber, L. Manguso

Measurers J. Stuart, R. Sayer, J. B. Evans, H. Viggth

1.0-m $f/2.15$ reflector + CCD

USNO-A2.0

1968 OJ, 4, 1, 0; 1974 FF, 4, 1, 0; 1974 ST₁, 4, 1, 0; 1975 SO₁, 9, 2, 16; 1978 SP₅, 9, 1, 0; 1978 SA₈, 4, 1, 0; 1978 TQ₅, 5, 1, 0; 1978 UE₆, 3, 1, 0; 1978 UZ₆, 14, 3, 2; 1978 VT₁, 9, 2, 23; 1978 VA₅, 5, 1, 0; 1979 MT₁, 9, 2, 16; 1979 MJ₄, 3, 1, 0; 1979 MB₅, 5, 1, 0; 1979 MK₅, 7, 2, 3; 1979 MR₅, 5, 1, 0; 1979 ME₇, 3, 1, 0; 1980 TS₃, 14, 4, 1038; 1981 DA₁, 3, 1, 0; 1981 DO₁, 9, 2, 1; 1981 EQ₂, 4, 1, 0; 1981 EJ₃, 8, 2, 16; 1981 ES₃, 8, 2, 16; 1981 EC₄, 4, 1, 0; 1981 EZ₄, 3, 1, 0; 1981 EV₇, 5, 1, 0; 1981 EW₁₀, 8, 2, 558; 1981 EX₁₂, 10, 3, 62; 1981 EP₁₅, 4, 1, 0; 1981 ES₁₇, 5, 1, 0; 1981 EV₂₀, 4, 1, 0; 1981 EB₂₅, 4, 1, 0; 1981 EX₂₅, 3, 1, 0; 1981 ED₂₈, 10, 2, 16; 1981 EO₂₈, 3, 1, 0; 1981 EV₃₀, 8, 2, 16; 1981 EA₃₁, 4, 1, 0; 1981 ED₃₁, 4, 1, 0; 1981 EQ₃₂, 4, 1, 0; 1981 EU₃₃, 5, 1, 0; 1981 EW₃₃, 9, 2, 16; 1981 ET₃₄, 3, 1, 0; 1981 EA₃₉, 8, 2, 16; 1981 EM₃₉, 4, 1, 0; 1981 EO₃₉, 3, 1, 0; 1981 EC₄₀, 5, 1, 0; 1981 EM₄₀, 10, 2, 16; 1981 EV₄₁, 4, 1, 0; 1981 EP₄₂, 5, 1, 0; 1981 QS, 5, 1, 0; 1981 US₁₄, 5, 1, 0; 1981 UN₂₂, 10, 2, 16; 1981 UU₂₂, 23, 5, 444; 1981 UP₂₅, 4, 1, 0; 1982 JD₃, 9, 2, 13; 1982 TF₁, 5, 1, 0; 1982 VN₂, 5, 1, 0; 1983 RA₄, 5, 1, 0; 1984 RA, 9, 2, 16; 1984 SB₂, 7, 2, 15; 1984 SP₄, 5, 1, 0; 1984 SN₆, 9, 2, 16; 1984 WB₄, 5, 1, 0; 1985 FF₂, 4, 1, 0; 1985 PF, 5, 1, 0; 1985 RK₃, 4, 1, 0; 1985 RR₃, 3, 1, 0; 1985 RP₄, 5, 1, 0; 1985 RJ₅, 4, 1, 0; 1986 QK, 8, 2, 11; 1986 QG₁, 8, 2, 16; 1986 QH₁, 9, 2, 2; 1986 QM₁, 4, 1, 0; 1986 QO₁, 10, 2, 13; 1986 TB₇, 5, 1, 0; 1986 VM₆, 11, 3, 28; 1986 WU, 4, 1, 0; 1987 KL, 8, 2, 13; 1987 KG₅, 8, 2, 8; 1987 KH₅, 5, 1, 0; 1987 OS, 4, 1, 0; 1987 QD, 10, 2, 2; 1987 QF₁, 5, 1, 0; 1987 QO₅, 3, 1, 0; 1987 RG₁, 4, 1, 0; 1987 RN₃, 10, 2, 16; 1987 SM₃, 5, 1, 0; 1987 SE₇, 10, 2, 16; 1987 WP, 5, 1, 0; 1988 AD₅, 15, 3, 65; 1988 AH₅, 10, 2, 13; 1988 CA₂, 9, 2, 16; 1988 CD₂, 5, 1, 0; 1988 CE₂, 5, 1, 0; 1988 CG₄, 7, 2, 17; 1988 CO₄, 4, 1, 0; 1988 DD₂, 9, 2, 16; 1988 FB, 5, 1, 0; 1988 RM₅, 4, 1, 0; 1988 RB₆, 5, 1, 0; 1988 RE₁₀, 9, 2, 20; 1988 RT₁₁, 3, 1, 0; 1988 RB₁₂, 10, 2, 16; 1988 RW₁₂, 10, 2, 16; 1988 VO₃, 4, 1, 0; 1988 XH₁, 5, 1, 0; 1988 XU₂, 4, 1, 0; 1989 AN₃, 5, 1, 0; 1989 AR₅, 4, 1, 0; 1989 AU₆, 5, 1, 0; 1989 BR, 5, 1, 0; 1989 CH, 4, 1, 0; 1989 GV₁, 5, 1, 0; 1989 GW₁, 3, 1, 0; 1989 GZ₁, 13, 2, 16; 1989 LH, 5, 1, 0; 1989 RN₂, 4, 1, 0; 1989 SH₃, 4, 1, 0; 1989 SO₃, 4, 1, 0; 1989 SM₄, 3, 1, 0; 1989 SE₅, 4, 1, 0; 1989 SZ₉, 3, 1, 0; 1989 TN, 4, 1, 0; 1989 TL₁₅, 3, 1, 0; 1989 TK₁₆, 3, 1, 0; 1989 US₂, 4, 1, 0; 1989 WY₁, 5, 1, 0; 1989 WE₄, 12, 3, 3; 1990 BL₁, 5, 1, 0; 1990 BB₂, 5, 1, 0; 1990 CF, 10, 2, 16; 1990 EN₁, 5, 1, 0; 1990 EP₃, 5, 1, 0; 1990 OV, 3, 1, 0; 1990 OM₂, 4, 1, 0; 1990 QA₁, 4, 1, 0; 1990 QV₂, 7, 2, 13; 1990 QJ₃, 5, 1, 0; 1990 QS₄, 4, 1, 0; 1990 QU₄, 10, 2, 29; 1990 QM₅, 3, 1, 0; 1990 QJ₆, 5, 1, 0; 1990 QS₆, 3, 1, 0; 1990 QK₈, 10, 2, 16; 1990 QX₈, 8, 2, 2; 1990 QN₉, 10, 2, 16; 1990 RM₃, 7, 2, 1; 1990 RF₅, 6, 2, 9; 1990 RQ₉, 5, 1, 0; 1990 RR₁₇, 5, 1, 0; 1990 SG, 8, 2, 1; 1990 SA₂, 4, 1, 0; 1990 SO₂, 15, 3, 107; 1990 ST₂, 9, 2, 16; 1990 SA₃, 5, 1, 0; 1990 SH₃, 7, 2, 13; 1990 SQ₅, 10, 2, 16; 1990 SZ₅, 5, 1, 0; 1990 SB₆, 4, 1, 0; 1990 ST₆, 4, 1, 0; 1990 SR₈, 3, 1, 0; 1990 SP₉, 5, 1, 0; 1990 SL₁₁, 5, 1, 0; 1990 SX₁₃, 5, 1, 0; 1990 TD, 10, 2, 16; 1990 TQ₁, 8, 2, 16; 1990 TS₁, 4, 1, 0; 1990 TW₃, 5, 1, 0; 1990 TX₄, 4, 1, 0; 1990 TG₅, 9, 2, 16; 1990 TR₅, 5, 1, 0; 1990 TO₉, 11, 3, 16; 1990 TG₁₁, 10, 2, 16; 1990 TB₁₃, 3, 1, 0; 1990 UD₂, 5, 1, 0; 1990 UW₂, 7, 2, 29; 1990 UB₃, 4, 1, 0; 1990 UE₄, 5, 1, 0; 1990 VZ₅, 17, 3, 27; 1990 VB₆, 10, 2, 16; 1990 VN₁₄, 3, 1, 0; 1990 WD, 5, 1, 0; 1990 WR₁, 5, 1, 0; 1990 WV₁, 7, 2, 16; 1990 WF₂, 12, 3, 28; 1990 WE₃, 4, 1, 0; 1990 WO₃, 5, 1, 0; 1990 WJ₄, 4, 1, 0; 1990 XN, 7, 2, 13; 1991 BP, 10, 2, 2; 1991 BB₃, 6, 2, 16; 1991 CU₂, 5, 1, 0; 1991 DP, 14, 3, 445; 1991 DW, 5, 1, 0; 1991 DH₁, 4, 1, 0; 1991 EG₁, 5, 1, 0; 1991 GO₈, 5, 1, 0; 1991 JK₁, 10, 2, 13; 1991 KE, 5, 1, 0; 1991 LY, 3, 1, 0; 1991 NF₃, 4, 1, 0; 1991 ND₇, 10, 2, 16; 1991 NN₉, 5, 1, 0; 1991 PU, 4, 1, 0; 1991 PN₂, 5, 1, 0; 1991 PM₅, 3, 1, 0; 1991 PN₈, 8, 2, 16; 1991 PE₁₀, 5, 1, 0; 1991 PD₁₂, 3, 1, 0; 1991 PY₁₂, 5, 1, 0; 1991 PW₁₈, 5, 1, 0; 1991 PU₁₉, 4, 1, 0; 1991 PK₃₁, 5, 1, 0; 1991 RA₃, 4, 1, 0; 1991 RG₅, 5, 1, 0; 1991 RV₇, 3, 1, 0; 1991 RE₁₀, 3, 1, 0; 1991 RB₁₃, 4, 1, 0; 1991 RY₁₅, 5, 1, 0; 1991 RV₂₃, 5, 1, 0; 1991 RW₂₃, 5, 1, 0; 1991 RC₂₅, 8, 2, 27; 1991 RV₄₀, 5, 1, 0; 1991 SJ, 7, 2, 591; 1991 TP, 5, 1, 0; 1991 TL₆, 6, 2, 13; 1991 TR₆, 4, 1, 0; 1991 VT₁, 9, 2, 16; 1991 VN₄, 10, 2, 13; 1991 VV₆, 5, 1, 0; 1991 YY₄, 4, 1, 0; 1991 YB₁, 5, 1, 0; 1992 BM, 3, 1, 0; 1992 BF₂, 4, 1, 0; 1992 BK₂, 5, 1, 0; 1992 CZ₂, 5, 1, 0; 1992 DZ₃, 4, 1, 0; 1992 DD₉, 3, 1, 0; 1992 DA₁₀, 4, 1, 0; 1992 DE₁₁, 5, 1, 0; 1992 EP, 4, 1, 0; 1992 EO₄, 10, 2, 16; 1992 ET₅, 9, 2, 16; 1992 EE₆, 5, 1, 0; 1992 EK₆, 14, 3, 33; 1992 EU₆, 4, 1, 0; 1992 EC₇, 4, 1, 0; 1992 EL₈, 7, 2, 9; 1992 ET₉, 5, 1, 0; 1992 EC₁₀, 5, 1, 0; 1992 EU₁₀, 8, 2, 11; 1992 EU₁₁, 5, 1, 0; 1992 EJ₁₃, 4, 1, 0; 1992 EY₁₄, 3, 1, 0; 1992 EM₁₇, 10, 2, 16; 1992 EE₁₉, 9, 2, 16; 1992 ET₂₃, 5, 1, 0; 1992 FT₁, 13, 3, 28; 1992 GU₂, 5, 2, 970; 1992 GM₄, 7, 2, 13; 1992 HF₄, 7, 2, 13; 1992 MD, 4, 1, 0; 1992 PC₂, 7, 2, 13; 1992 PZ₄, 5, 1, 0; 1992 QR, 9, 2, 5; 1992 RS₄, 9, 2, 16; 1992 RY₄, 9, 2, 16; 1992 RC₆, 3, 1, 0; 1992 RD₇, 5, 1, 0; 1992 RQ₇, 5, 1, 0; 1992 SF₂, 3, 1, 0; 1992 SG₂, 3, 1, 0; 1992 SM₂, 5, 1, 0; 1992 SF₁₄, 4, 1, 0; 1992 SW₁₆, 9, 2, 16; 1992 SR₂₄, 19, 5, 893; 1992 TM₁, 3, 1, 0; 1992 UJ, 3, 1, 0; 1992 UJ₁, 4, 1, 0; 1992 UH₄, 5, 1, 0; 1992 UO₅, 8, 2, 16; 1992 UU₆, 5, 1, 0; 1992 UL₈, 4, 1, 0; 1992 YU₁, 4, 1, 0; 1992 YC₂, 5, 1, 0; 1993 BV₅, 4, 1, 0; 1993 BD₁₃, 12, 3, 4; 1993 DQ, 10, 1, 0; 1993 DV₂, 13, 3, 63; 1993 FR₁, 10, 2, 16; 1993 FY₃, 5, 1, 0; 1993 FN₇, 10, 2, 16; 1993 FB₉, 4, 1, 0; 1993 FW₁₁, 5,

1, 0; 1993 FN₁₂, 4, 1, 0; 1993 FN₁₄, 4, 1, 0; 1993 FV₁₄, 5, 1, 0; 1993 FQ₁₆, 3, 1, 0; 1993 FD₁₈, 5, 1, 0; 1993 FL₂₉, 7, 2, 16; 1993 FY₃₀, 3, 1, 0; 1993 FP₃₁, 8, 2, 22; 1993 FS₃₄, 5, 1, 0; 1993 FW₃₄, 10, 2, 16; 1993 FK₃₈, 9, 2, 16; 1993 FW₄₀, 5, 1, 0; 1993 FV₄₄, 4, 1, 0; 1993 FA₄₉, 8, 2, 27; 1993 FN₅₀, 3, 1, 0; 1993 FG₅₁, 5, 1, 0; 1993 FX₅₂, 7, 2, 16; 1993 FM₆₂, 4, 1, 0; 1993 FE₇₈, 5, 1, 0; 1993 FF₈₀, 3, 1, 0; 1993 HG₁, 3, 1, 0; 1993 HH₄, 4, 1, 0; 1993 KV₂, 3, 1, 0; 1993 NH, 5, 1, 0; 1993 NX, 4, 1, 0; 1993 OA₃, 4, 1, 0; 1993 OD₃, 4, 1, 0; 1993 OO₃, 4, 1, 0; 1993 OY₆, 10, 2, 16; 1993 OJ₇, 9, 2, 16; 1993 ON₈, 9, 2, 16; 1993 OU₈, 4, 1, 0; 1993 OS₉, 5, 1, 0; 1993 OP₁₂, 7, 2, 13; 1993 OE₁₃, 10, 2, 16; 1993 PZ₂, 3, 1, 0; 1993 PV₈, 5, 1, 0; 1993 QO, 8, 2, 11; 1993 QD₄, 4, 1, 0; 1993 QH₁₀, 4, 1, 0; 1993 RK₄, 5, 1, 0; 1993 RX₅, 4, 1, 0; 1993 RU₇, 3, 1, 0; 1993 RY₇, 3, 1, 0; 1993 SH₁, 5, 1, 0; 1993 SP₃, 4, 1, 0; 1993 SQ₆, 14, 3, 8; 1993 SG₁₃, 4, 1, 0; 1993 SO₁₄, 8, 1, 0; 1993 TM₁, 4, 1, 0; 1993 TO₁₀, 5, 1, 0; 1993 TT₁₂, 7, 2, 11; 1993 TF₁₇, 5, 1, 0; 1993 TG₁₉, 13, 3, 16; 1993 TT₂₆, 9, 2, 933; 1993 TD₂₇, 10, 2, 16; 1993 TK₂₈, 11, 3, 12; 1993 TG₃₁, 6, 2, 27; 1993 TX₃₄, 5, 1, 0; 1993 TZ₃₈, 5, 1, 0; 1993 UD₃, 4, 1, 0; 1993 UQ₅, 7, 2, 5; 1993 VS₁, 3, 1, 0; 1993 VO₄, 4, 1, 0; 1993 VZ₄, 15, 2, 16; 1993 XK, 4, 1, 0; 1993 XN, 4, 1, 0; 1993 XV, 4, 1, 0; 1993 XJ₃, 4, 1, 0; 1993 XK₃, 4, 1, 0; 1994 AK₁, 5, 1, 0; 1994 AS₂, 4, 1, 0; 1994 AT₂, 5, 1, 0; 1994 AY₂, 4, 1, 0; 1994 AL₁₀, 8, 2, 23; 1994 BO₃, 5, 1, 0; 1994 BQ₃, 8, 2, 8; 1994 BR₃, 9, 2, 16; 1994 CW, 5, 1, 0; 1994 CE₁, 4, 1, 0; 1994 CA₅, 4, 1, 0; 1994 CT₁₁, 10, 2, 16; 1994 CK₁₄, 5, 1, 0; 1994 CR₁₄, 8, 2, 30; 1994 CF₁₆, 9, 2, 480; 1994 DG, 5, 1, 0; 1994 EO₁, 5, 1, 0; 1994 EQ₂, 13, 3, 449; 1994 ET₃, 3, 1, 0; 1994 EY₅, 9, 2, 16; 1994 ED₆, 10, 2, 31; 1994 EH₆, 11, 3, 517; 1994 GE, 5, 1, 0; 1994 GN₁, 5, 1, 0; 1994 GF₁₀, 10, 2, 16; 1994 JY, 10, 2, 16; 1994 JK₃, 5, 1, 0; 1994 ND₁, 7, 2, 13; 1994 PE, 10, 2, 31; 1994 PA₄, 11, 3, 26; 1994 PQ₈, 4, 1, 0; 1994 PL₉, 4, 1, 0; 1994 PX₁₃, 6, 2, 498; 1994 PZ₁₅, 4, 1, 0; 1994 PA₁₇, 5, 1, 0; 1994 PZ₁₇, 4, 1, 0; 1994 PY₁₈, 9, 2, 31; 1994 PN₂₀, 4, 1, 0; 1994 PC₂₁, 2, 1, 0; 1994 PO₂₂, 9, 2, 2; 1994 PV₂₉, 4, 1, 0; 1994 PM₃₁, 3, 1, 0; 1994 PT₃₂, 9, 2, 35; 1994 PM₃₆, 7, 2, 8; 1994 PP₃₆, 4, 1, 0; 1994 PS₃₆, 4, 1, 0; 1994 RA₁, 4, 1, 0; 1994 SE₂, 3, 1, 0; 1994 SQ₇, 5, 1, 0; 1994 SN₉, 3, 1, 0; 1994 SF₁₀, 4, 1, 0; 1994 TS, 3, 1, 0; 1994 TX, 6, 2, 8; 1994 TY, 4, 1, 0; 1994 TM₂, 8, 2, 27; 1994 TG₉, 3, 1, 0; 1994 TE₁₅, 12, 2, 1; 1994 UO₁, 10, 2, 16; 1994 UU₁, 5, 1, 0; 1994 UP₈, 4, 1, 0; 1994 UW₉, 3, 1, 0; 1994 UW₉, 9, 2, 16; 1994 WL, 5, 1, 0; 1994 WM₁, 5, 1, 0; 1994 WX₁, 4, 1, 0; 1994 WM₂, 10, 2, 80; 1994 WS₂, 5, 1, 0; 1994 WU₂, 10, 2, 16; 1994 WO₃, 4, 1, 0; 1994 WR₅, 4, 1, 0; 1994 XW, 10, 2, 13; 1994 XF₁, 12, 3, 28; 1994 XD₅, 4, 1, 0; 1994 YO, 10, 2, 16; 1994 YV₃, 8, 2, 16; 1995 AA, 4, 1, 0; 1995 AM, 9, 2, 16; 1995 AE₁, 5, 1, 0; 1995 AO₁, 3, 1, 0; 1995 BS, 8, 2, 16; 1995 BZ, 5, 1, 0; 1995 BA₁, 17, 4, 442; 1995 BG₃, 10, 2, 2; 1995 BP₁₁, 3, 1, 0; 1995 CX, 8, 2, 11; 1995 CB₁, 3, 1, 0; 1995 CL₁, 3, 1, 0; 1995 CT₁, 5, 1, 0; 1995 DY, 5, 1, 0; 1995 DH₄, 4, 1, 0; 1995 DX₅, 10, 2, 27; 1995 DX₈, 4, 1, 0; 1995 EL, 4, 1, 0; 1995 EU, 8, 2, 20; 1995 EM₂, 4, 1, 0; 1995 ER₇, 8, 2, 16; 1995 FQ, 8, 2, 13; 1995 FQ₄, 5, 1, 0; 1995 GF₆, 7, 2, 20; 1995 JH₁, 4, 1, 0; 1995 KH₁, 15, 3, 20; 1995 KN₁, 5, 1, 0; 1995 KF₄, 3, 1, 0; 1995 OU₂, 14, 3, 8; 1995 ON₆, 4, 1, 0; 1995 QW₅, 5, 1, 0; 1995 SP₁, 8, 2, 16; 1995 SO₃, 3, 1, 0; 1995 SW₃, 5, 1, 0; 1995 SJ₄, 3, 1, 0; 1995 SH₅, 4, 1, 0; 1995 SW₂₉, 4, 1, 0; 1995 SD₃₁, 5, 1, 0; 1995 SD₄₄, 6, 2, 445; 1995 SV₅₂, 10, 2, 16; 1995 UE₄, 10, 2, 8; 1995 UC₅, 5, 1, 0; 1995 UO₅, 10, 2, 16; 1995 UA₉, 5, 1, 0; 1995 UD₃₄, 5, 1, 0; 1995 VB, 3, 1, 0; 1995 VN₁, 5, 1, 0; 1995 VJ₁₁, 7, 2, 21; 1995 UT, 4, 1, 0; 1995 WU₈, 3, 1, 0; 1995 WG₉, 10, 2, 13; 1995 WG₂₇, 4, 1, 0; 1995 YX₁, 5, 1, 0; 1995 YT₃, 17, 4, 118; 1995 YJ₄, 9, 2, 16; 1995 YO₅, 5, 1, 0; 1995 YN₁₁, 5, 1, 0; 1996 AT, 4, 1, 0; 1996 AA₁₄, 5, 1, 0; 1996 AE₁₄, 9, 2, 29; 1996 BR₁, 10, 2, 16; 1996 BN₂, 5, 1, 0; 1996 BS₈, 8, 2, 16; 1996 BP₁₁, 5, 1, 0; 1996 CX₂, 7, 2, 9; 1996 CP₇, 4, 1, 0; 1996 DC, 4, 1, 0; 1996 DG, 4, 1, 0; 1996 DR, 4, 1, 0; 1996 DY₁, 4, 1, 0; 1996 DP₂, 5, 1, 0; 1996 EV, 10, 2, 481; 1996 EC₁, 4, 1, 0; 1996 EK₁, 10, 2, 20; 1996 EZ₁, 8, 2, 27; 1996 EH₂, 7, 2, 16; 1996 EK₂, 5, 1, 0; 1996 EK₁₅, 9, 2, 16; 1996 EZ₁₅, 3, 1, 0; 1996 FD, 9, 2, 2; 1996 FF₂, 5, 1, 0; 1996 GR, 5, 1, 0; 1996 GF₁, 9, 2, 16; 1996 GU₁, 9, 2, 79; 1996 GS₂, 3, 1, 0; 1996 GZ₂, 5, 1, 0; 1996 GA₁₉, 5, 1, 0; 1996 GF₁₉, 18, 4, 10; 1996 HP, 5, 1, 0; 1996 HJ₁, 8, 2, 16; 1996 HP₄, 4, 1, 0; 1996 HX₁₂, 10, 2, 77; 1996 HM₁₃, 10, 2, 104; 1996 HJ₁₅, 4, 1, 0; 1996 HZ₁₆, 5, 1, 0; 1996 HR₁₈, 5, 1, 0; 1996 HJ₂₀, 5, 1, 0; 1996 HV₂₀, 4, 1, 0; 1996 HJ₂₃, 4, 1, 0; 1996 HQ

1, 0; 1997 EV₂₅, 5, 1, 0; 1997 EB₃₇, 4, 1, 0; 1997 EP₄₀, 4, 1, 0; 1997 EY₄₆, 2, 1, 0; 1997 EM₄₉, 2, 1, 0; 1997 EM₅₄, 7, 2, 22; 1997 FU₁, 3, 1, 0; 1997 FX₂, 3, 1, 0; 1997 GD₆, 5, 1, 0; 1997 GX₁₆, 8, 2, 21; 1997 GZ₂₄, 5, 1, 0; 1997 GA₃₂, 18, 4, 121; 1997 GT₃₄, 3, 1, 0; 1997 GK₃₆, 24, 5, 1055; 1997 GT₄₀, 12, 2, 469; 1997 GD₄₃, 7, 2, 975; 1997 HA₉, 7, 3, 984; 1997 HA₁₃, 2, 1, 0; 1997 HZ₁₃, 5, 1, 0; 1997 LN₄, 5, 1, 0; 1997 LV₁₀, 4, 1, 0; 1997 MQ₁, 3, 1, 0; 1997 ME₃, 4, 1, 0; 1997 MK₃, 5, 1, 0; 1997 MK₅, 4, 1, 0; 1997 NO₃, 1, 0; 1997 NM₁, 4, 1, 0; 1997 NO₄, 4, 1, 0; 1997 NU₄, 3, 1, 0; 1997 NY₅, 5, 1, 0; 1997 NQ₁₀, 5, 1, 0; 1997 OY₁, 4, 1, 0; 1997 OE₂, 3, 1, 0; 1997 OK₂, 4, 1, 0; 1997 PC₁, 13, 3, 36; 1997 PD₃, 5, 1, 0; 1997 PV₄, 7, 2, 73; 1997 PC₅, 4, 1, 0; 1997 PD₅, 10, 2, 16; 1997 PQ₅, 9, 2, 13; 1997 QN₈, 2, 4, 96; 1997 RC₅, 1, 0; 1997 RP₁, 3, 1, 0; 1997 RR₁, 13, 2, 16; 1997 RV₂, 5, 1, 0; 1997 RK₃, 5, 1, 0; 1997 RS₇, 5, 1, 0; 1997 RY₈, 5, 1, 0; 1997 SM₁, 5, 1, 0; 1997 SX₁, 4, 1, 0; 1997 SY₁, 3, 1, 0; 1997 SG₂, 9, 2, 16; 1997 SV₈, 4, 1, 0; 1997 SX₉, 4, 1, 0; 1997 SD₁₀, 3, 1, 0; 1997 SD₁₁, 4, 1, 0; 1997 SK₁₃, 4, 1, 0; 1997 SQ₁₄, 5, 1, 0; 1997 SZ₁₅, 3, 1, 0; 1997 SE₁₆, 3, 1, 0; 1997 SX₂₁, 9, 2, 16; 1997 SF₂₂, 5, 1, 0; 1997 SN₃₁, 5, 1, 0; 1997 TB₅, 5, 1, 0; 1997 TJ₂, 4, 1, 0; 1997 TZ₃, 4, 1, 0; 1997 TY₁₁, 10, 2, 16; 1997 TD₁₇, 9, 2, 16; 1997 TM₁₇, 8, 2, 5; 1997 TN₁₇, 4, 1, 0; 1997 TD₁₉, 8, 2, 32; 1997 TJ₁₉, 4, 1, 0; 1997 TC₂₃, 5, 1, 0; 1997 TR₂₅, 4, 1, 0; 1997 TM₂₆, 4, 1, 0; 1997 TR₂₆, 6, 1, 2; 1997 TA₂₈, 4, 1, 0; 1997 TB₂₈, 8, 2, 27; 1997 UC₄, 1, 0; 1997 UH₃, 1, 0; 1997 UF₂, 4, 1, 0; 1997 UX₂, 5, 1, 0; 1997 UM₃, 17, 3, 488; 1997 UP₃, 5, 1, 0; 1997 UR₃, 5, 1, 0; 1997 UU₃, 4, 1, 0; 1997 UP₄, 4, 1, 0; 1997 UF₅, 5, 1, 0; 1997 UL₇, 5, 1, 0; 1997 UEG₉, 2, 16; 1997 UK₁₀, 4, 1, 0; 1997 UH₁₁, 3, 1, 0; 1997 UB₁₅, 4, 1, 0; 1997 UA₂₂, 12, 2, 16; 1997 UL₂₄, 14, 3, 36; 1997 UB₂₅, 3, 1, 0; 1997 VP₃, 1, 0; 1997 VR₅, 5, 1, 0; 1997 VA₁, 4, 1, 0; 1997 VA₃, 5, 1, 0; 1997 VB₃, 4, 1, 0; 1997 VJ₃, 4, 1, 0; 1997 VN₃, 5, 1, 0; 1997 VP₃, 9, 2, 1; 1997 VV₅, 5, 1, 0; 1997 VD₆, 7, 2, 13; 1997 VE₆, 4, 1, 0; 1997 VM₆, 3, 1, 0; 1997 VP₆, 3, 1, 0; 1997 VQ₆, 4, 1, 0; 1997 VW₆, 8, 2, 27; 1997 VR₇, 5, 1, 0; 1997 VC₈, 19, 4, 967; 1997 WB₅, 1, 0; 1997 WK₃, 1, 0; 1997 WQ₅, 1, 0; 1997 WA₂, 4, 1, 0; 1997 WD₂, 10, 2, 13; 1997 WP₂, 5, 1, 0; 1997 WC₃, 12, 3, 28; 1997 WL₇, 3, 1, 0; 1997 WF₇, 5, 1, 0; 1997 WQ₇, 5, 1, 0; 1997 WE₈, 3, 1, 0; 1997 WQ₉, 4, 1, 0; 1997 WD₁₀, 4, 1, 0; 1997 WR₁₀, 8, 2, 1; 1997 WA₁₁, 4, 1, 0; 1997 WB₁₁, 24, 5, 8; 1997 WU₁₆, 4, 1, 0; 1997 WK₂₁, 4, 1, 0; 1997 WN₂₁, 5, 1, 0; 1997 WM₂₃, 7, 2, 16; 1997 WC₃₁, 5, 1, 0; 1997 WV₃₃, 5, 1, 0; 1997 WO₃₄, 4, 1, 0; 1997 WT₃₄, 5, 1, 0; 1997 WC₃₅, 5, 1, 0; 1997 WL₃₅, 4, 1, 0; 1997 WN₃₆, 4, 1, 0; 1997 WB₃₇, 5, 1, 0; 1997 WT₃₇, 7, 2, 16; 1997 WR₃₈, 4, 1, 0; 1997 WT₃₉, 9, 2, 4; 1997 WD₄₁, 5, 1, 0; 1997 WT₄₁, 17, 4, 945; 1997 WA₄₂, 5, 1, 0; 1997 WM₄₃, 3, 1, 0; 1997 WS₄₄, 5, 1, 0; 1997 WT₄₄, 3, 1, 0; 1997 WK₄₅, 5, 1, 0; 1997 WK₄₉, 4, 1, 0; 1997 WY₄₉, 5, 1, 0; 1997 WT₅₂, 5, 1, 0; 1997 WV₅₃, 4, 1, 0; 1997 WE₅₅, 3, 1, 0; 1997 WL₅₆, 4, 1, 0; 1997 WN₅₆, 5, 1, 0; 1997 WQ₅₈ *, 7, 2, 10; 1997 XO₁₂, 3, 465; 1997 XH₁, 4, 1, 0; 1997 XG₃, 5, 1, 0; 1997 XX₃, 10, 2, 16; 1997 XL₅, 8, 2, 16; 1997 XC₆, 4, 1, 0; 1997 XV₇, 8, 2, 55; 1997 XK₁₀, 10, 2, 9; 1997 XK₁₃, 3, 1, 0; 1997 YB₉, 2, 8; 1997 YD₃, 1, 0; 1997 YO₁₀, 2, 16; 1997 YQ₁₀, 2, 16; 1997 YT₅, 1, 0; 1997 YV₁₀, 2, 16; 1997 YT₁, 8, 2, 16; 1997 YR₂, 5, 1, 0; 1997 YV₂, 9, 2, 16; 1997 YL₄, 4, 1, 0; 1997 YM₄, 8, 2, 28; 1997 YP₅, 15, 2, 16; 1997 YB₇, 12, 3, 27; 1997 YD₇, 5, 1, 0; 1997 YQ₇, 5, 1, 0; 1997 YP₈, 14, 3, 28; 1997 YY₈, 5, 1, 0; 1997 YG₉, 4, 1, 0; 1997 YN₁₀, 4, 1, 0; 1997 YQ₁₀, 8, 2, 16; 1997 YV₁₁, 5, 1, 0; 1997 YW₁₁, 10, 2, 16; 1997 YB₁₂, 4, 1, 0; 1997 YU₁₃, 9, 2, 16; 1997 YK₁₄, 11, 3, 449; 1997 YL₁₅, 4, 1, 0; 1997 YX₁₅, 12, 3, 28; 1997 YL₁₆, 4, 1, 0; 1997 YP₁₆, 4, 1, 0; 1997 YZ₁₆, 4, 1, 0; 1997 YU₁₉, 5, 1, 0; 1998 AA₅, 5, 1, 0; 1998 AG₃, 1, 0; 1998 AQ₄, 1, 0; 1998 AV₁₀, 2, 16; 1998 AX₄, 1, 0; 1998 AZ₇, 2, 16; 1998 AH₅, 9, 2, 16; 1998 AZ₅, 5, 1, 0; 1998 AP₇, 8, 2, 16; 1998 AA₁₀, 3, 1, 0; 1998 AL₁₀, 10, 2, 16; 1998 BE₄, 1, 0; 1998 BZ₃, 1, 0; 1998 BA₁, 10, 2, 16; 1998 BL₁, 4, 1, 0; 1998 BR₁, 4, 1, 0; 1998 BA₂, 9, 2, 16; 1998 BB₂, 10, 2, 16; 1998 BV₆, 9, 2, 16; 1998 BM₇, 15, 3, 20; 1998 BR₇, 13, 3, 16; 1998 BD₈, 9, 2, 16; 1998 BF₈, 5, 1, 0; 1998 BL₉, 5, 1, 0; 1998 BG₁₁, 9, 2, 16; 1998 BO₁₃, 5, 1, 0; 1998 BS₁₃, 9, 2, 16; 1998 BE₁₅, 3, 1, 0; 1998 BQ₁₅, 7, 2, 16; 1998 BN₁₆, 5, 1, 0; 1998 BA₂₀, 4, 1, 0; 1998 BS₂₃, 3, 1, 0; 1998 BT₂₃, 9, 2, 13; 1998 BV₂₄, 10, 2, 16; 1998 BX₂₅, 9, 2, 16; 1998 BB₂₇, 8, 2, 16; 1998 BD₂₇, 8, 2, 16; 1998 BJ₃₃, 3, 1, 0; 1998 BV₃₃, 10, 2, 16; 1998 BQ₄₀, 8, 2, 16; 1998 BC₄₂, 4, 1, 0; 1998 BG₄₂, 3, 1, 0; 1998 BB₄₇, 3, 1, 0; 1998 CH₉, 9, 2, 16; 1998 CL₅, 1, 0; 1998 CC₁, 8, 2, 16; 1998 CD₂, 5, 1, 0; 1998 CM₂, 10, 2, 16; 1998 CY₃, 4, 1, 0; 1998 CJ₄, 9, 2, 16; 1998 DP₉, 2, 9; 1998 DR₂, 4, 1, 0; 1998 DS₃, 3, 1, 0; 1998 DM₁₀, 10, 2, 28; 1998 DU₉, 9, 2, 16; 1998 DN₈, 21, 5, 440; 1998 DS₈, 5, 1, 0; 1998 DJ₁₀, 4, 1, 0; 1998 DV₁₂, 8, 2, 16; 1998 DL₁₃, 8, 2, 16; 1998 DJ₁₄, 5, 1, 0; 1998 DH₁₅, 5, 1, 0; 1998 DJ₁₅, 8, 2, 475; 1998 DN₂₀, 12, 3, 27; 1998 DT₂₁, 9, 2, 16; 1998 DP₂₃, 4, 1, 0; 1998 DD₃₃, 4, 1, 0; 1998 DX₃₃, 5, 1, 0; 1998 EN₁₃, 13, 3, 572; 1998 EG₉, 5, 1, 0; 1998 EJ₉, 5, 1, 0; 1998 EW₁₁, 7, 2, 16; 1998 EU₁₂, 3, 1, 0; 1998 FS₁, 4, 1, 0; 1998 FL₂, 5, 1, 0; 1998 FA₉, 3, 1, 0; 1998 FL₁₅, 3, 1, 0; 1998 FM₁₅, 8, 2, 3; 1998 FG₁₆, 7, 2, 16; 1998 FW₂₂, 3, 1, 0; 1998 FK₂₆, 5, 1, 0; 1998 FM₂₇, 9, 2, 16; 1998 FB₂₉, 5, 1, 0; 1998 FD₃₀, 5, 1, 0; 1998 FE₃₀, 10, 2, 31; 1998 FF₃₂, 4, 1, 0; 1998 FE₃₄, 9, 2, 21; 1998 FM₃₄, 5, 1, 0; 1998 FF₃₅, 4, 1, 0; 1998 FW₃₆, 5, 1, 0; 1998 FW₃₉, 5, 1, 0; 1998 FW₄₅, 10, 2, 26; 1998 FK₄₈, 5, 1, 0; 1998 FO₅₀, 5, 1, 0; 1998 FX₅₁, 5, 1, 0; 1998 FY₅₂, 9, 2, 22; 1998 FZ₅₂, 5, 1, 0; 1998 FK₅₅, 9, 2, 31; 1998 FQ₆₀, 4, 1, 0; 1998 FB₆₁, 9, 2, 2; 1998 FF₆₅, 17, 4, 569; 1998 FG₆₅, 9, 2, 52; 1998 FK₆₆, 9, 2, 25; 1998 FF₇₀, 5, 1, 0; 1998 FT₇₄, 3, 1, 0; 1998 FK₇₈, 4, 1, 0; 1998 FW₉₄, 5, 1, 0; 1998 FL₁₀₃, 3, 1, 0; 1998 FW₁₀₈, 3, 1, 0; 1998 FV₁₀₉, 5, 1, 0; 1998 FX₁₁₁, 3, 1, 0; 1998 FJ₁₁₂, 7, 2, 13; 1998 FK₁₁₄, 5, 1, 0; 1998 FQ₁₁₄, 4, 1, 0; 1998 FS₁₁₆, 5, 1, 0; 1998 FV₁₁₆, 3, 1, 0; 1998 FU₁₁₆, 9, 2, 52; 1998 FP₁₁₇, 5, 1, 0; 1998 FR₁₁₇, 3, 1, 0; 1998 FY₁₁₉, 3, 1, 0; 1998 FC₁₂₂, 4, 1, 0; 1998 FU₁₂₂, 3, 1, 0; 1998 FF₁₂₅, 5, 1, 0; 1998 FW₁₂₅, 5, 1, 0; 1998 FJ₁₃₅, 4, 1, 0; 1998 FA₁₃₈, 13, 3, 31; 1998 FB₁₄₁, 4, 1, 0; 1998 FA₁₄₅ *, 5, 1, 0; 1998 GH₆, 14, 3, 35; 1998 GA₉, 11, 3, 470; 1998 GQ₁₁,

9, 2, 7; 1998 HK₄, 1, 0; 1998 HJ₂, 4, 1, 0; 1998 HT₃, 8, 2, 575; 1998 HT₅, 11, 3, 596; 1998 HH₇, 9, 2, 37; 1998 HJ₇, 10, 2, 65; 1998 HO₁₇, 12, 2, 19; 1998 HA₂₀, 8, 2, 11; 1998 HH₂₀, 8, 2, 31; 1998 HV₂₀, 13, 3, 30; 1998 HH₂₂, 13, 3, 21; 1998 HD₂₃, 5, 1, 0; 1998 HU₃₄, 5, 1, 0; 1998 HG₄₁, 4, 1, 0; 1998 HB₄₇, 9, 2, 4; 1998 HO₅₁, 16, 4, 614; 1998 HR₅₂, 5, 1, 0; 1998 HK₅₄, 10, 2, 4; 1998 HK₅₇, 14, 3, 7; 1998 HY₅₇, 14, 3, 7; 1998 HZ₅₇, 5, 1, 0; 1998 HE₆₀, 4, 1, 0; 1998 HY₆₁, 5, 1, 0; 1998 HO₆₂, 10, 2, 48; 1998 HQ₆₃, 5, 1, 0; 1998 HB₆₄, 5, 1, 0; 1998 HW₇₂, 4, 1, 0; 1998 HF₇₉, 4, 1, 0; 1998 HQ₈₁, 5, 1, 0; 1998 HD₈₂, 5, 1, 0; 1998 HH₈₂, 5, 1, 0; 1998 HZ₈₉, 5, 1, 0; 1998 HG₉₀, 9, 2, 1; 1998 HU₉₀, 4, 1, 0; 1998 HG₉₂, 4, 1, 0; 1998 HW₉₈, 4, 1, 0; 1998 HN₁₀₀, 9, 2, 21; 1998 HV₁₀₀, 8, 2, 22; 1998 HK₁₀₃, 4, 1, 0; 1998 HR₁₀₃, 10, 2, 53; 1998 HF₁₀₄, 4, 1, 0; 1998 HW₁₀₄, 10, 2, 28; 1998 HE₁₀₅, 10, 2, 28; 1998 HC₁₀₆, 15, 3, 85; 1998 HK₁₀₈, 15, 3, 53; 1998 HY₁₀₉, 15, 3, 65; 1998 HD₁₁₀, 20, 4, 65; 1998 HU₁₁₀, 10, 2, 28; 1998 HU₁₁₄, 10, 2, 65; 1998 HK₁₁₇, 3, 1, 0; 1998 HU₁₂₀, 5, 1, 0; 1998 HW₁₂₀, 4, 1, 0; 1998 HQ₁₂₁, 5, 1, 0; 1998 HR₁₂₂, 4, 1, 0; 1998 HM₁₂₃, 5, 1, 0; 1998 HB₁₂₄, 4, 1, 0; 1998 HM₁₂₄, 5, 1, 0; 1998 HN₁₂₄, 10, 2, 25; 1998 HE₁₂₅, 5, 1, 0; 1998 HM₁₂₈, 4, 1, 0; 1998 HY₁₃₆, 10, 2, 53; 1998 HC₁₄₈, 5, 1, 0; 1998 HZ₁₄₉, 4, 1, 0; 1998 HQ₁₅₀, 14, 3, 9; 1998 HZ₁₅₁ *, 12, 3, 10; 1998 JY₄, 1, 0; 1998 JC₃, 5, 1, 0; 1998 KN₄, 9, 2, 24; 1998 KJ₈, 10, 2, 452; 1998 KT₁₂, 4, 1, 0; 1998 KW₁₅, 5, 1, 0; 1998 KN₁₆, 4, 1, 0; 1998 KX₁₆, 5, 1, 0; 1998 KW₁₈, 5, 1, 0; 1998 KQ₁₉, 10, 2, 9; 1998 KC₂₀, 5, 1, 0; 1998 KK₂₁, 13, 3, 46; 1998 KS₂₁, 13, 3, 31; 1998 KK₂₂, 5, 1, 0; 1998 KU₂₂, 4, 1, 0; 1998 KK₂₃, 5, 1, 0; 1998 KG₂₆, 4, 1, 0; 1998 KR₂₇, 5, 1, 0; 1998 KS₃₇, 4, 1, 0; 1998 KU₄₀, 4, 1, 0; 1998 KM₄₂, 9, 2, 30; 1998 KE₄₄, 4, 1, 0; 1998 KL₄₄, 9, 2, 9; 1998 KW₄₄, 19, 4, 88; 1998 KA₄₇, 4, 1, 0; 1998 KU₄₈, 8, 2, 31; 1998 KA₅₀, 10, 2, 16; 1998 KQ₅₄, 4, 1, 0; 1998 KC₅₅, 4, 1, 0; 1998 KC₅₉, 5, 1, 0; 1998 KM₅₉, 5, 1, 0; 1998 LF₂, 9, 2, 30; 1998 MT₅, 1, 0; 1998 MO₈, 5, 1, 0; 1998 MA₉, 4, 1, 0; 1998 MZ₉, 4, 1, 0; 1998 MP₁₁, 4, 1, 0; 1998 MN₁₄, 6, 2, 12; 1998 MO₂₀, 4, 1, 0; 1998 MP₂₀, 4, 1, 0; 1998 MQ₂₁, 4, 1, 0; 1998 MR₂₁, 4, 1, 0; 1998 MR₂₂, 5, 1, 0; 1998 MT₂₇, 4, 1, 0; 1998 MT₂₉, 4, 1, 0; 1998 MK₄₄, 5, 1, 0; 1998 OG₁, 11, 3, 121; 1998 OJ₆, 5, 1, 0; 1998 OO₇, 4, 1, 0; 1998 OZ₇, 10, 2, 113; 1998 OZ₉, 3, 1, 0; 1998 OU₁₀, 5, 1, 0; 1998 OU₁₂, 5, 1, 0; 1998 OS₁₄, 18, 4, 58; 1998 PE₄, 1, 0; 1998 QA₅, 9, 2, 9; 1998 QB₆, 4, 1, 0; 1998 QB₁₆, 13, 3, 67; 1998 QU₂₄, 9, 1, 0; 1998 QF₃₉, 8, 2, 57; 1998 QQ₄₇, 5, 1, 0; 1998 QP₅₀, 2, 1, 0; 1998 QU₅₄, 9, 2, 71; 1998 QG₅₅, 5, 1, 0; 1998 QJ₆₂, 4, 1, 0; 1998 QN₆₂, 5, 1, 0; 1998 QT₆₆, 5, 1, 0; 1998 QH₆₉, 13, 3, 163; 1998 QH₇₀, 5, 1, 0; 1998 QT₇₀, 9, 2, 469; 1998 QO₇₁, 10, 1, 0; 1998 QK₇₃, 5, 1, 0; 1998 QG₇₅, 5, 1, 0; 1998 QJ₇₆, 15, 3, 162; 1998 QR₇₆, 4, 1, 0; 1998 QU₇₆, 4, 1, 0; 1998 QA₇₇, 5, 1, 0; 1998 QB₇₈, 13, 3, 560; 1998 QG₈₇, 5, 1, 0; 1998 QK₈₇, 4, 1, 0; 1998 QN₈₇, 5, 1, 0; 1998 QW₈₇, 4, 1, 0; 1998 QM₈₈, 5, 1, 0; 1998 QL₉₀, 10, 2, 162; 1998 QE₁₀₆, 12, 3, 38; 1998 RB₅, 9, 2, 6; 1998 RQ₆, 8, 2, 6; 1998 RC₁₇, 4, 1, 0; 1998 RW₁₇, 5, 1, 0; 1998 RL₁₈, 5, 1, 0; 1998 RO₁₈, 5, 1, 0; 1998 RR₁₈, 5, 1, 0; 1998 RN₁₉, 5, 1, 0; 1998 RR₁₉, 10, 2, 6; 1998 RX₁₉, 5, 1, 0; 1998 RX₂₃, 8, 2, 6; 1998 RC₂₅, 4, 1, 0; 1998 RL₂₅, 4, 1, 0; 1998 RS₂₅, 5, 1, 0; 1998 RE₂₆, 5, 1, 0; 1998 RH₂₇, 4, 1, 0; 1998 RL₂₇, 9, 2, 6; 1998 RT₂₇, 5, 1, 0; 1998 RU₂₈, 5, 1, 0; 1998 RH₂₉, 5, 1, 0; 1998 RJ₃₁, 10, 2, 6; 1998 RS₃₁, 4, 1, 0; 1998 RA₃₄, 5, 1, 0; 1998 RJ₃₄, 5, 1, 0; 1998 RL₃₄, 6, 2, 499; 1998 RL₃₆, 5, 1, 0; 1998 RB₃₇, 5, 1, 0; 1998 RL₃₇, 9, 2, 6; 1998 RM₃₈, 5, 1, 0; 1998 RS₃₉, 5, 1, 0; 1998 RH₄₁, 5, 1, 0; 1998 RN₄₁, 5, 1, 0; 1998 RO₄₂, 4, 1, 0; 1998 RA₄₈, 3, 1, 0; 1998 RD₅₀, 9, 2, 161; 1998 RD₆₀, 5, 1, 0; 1998 RW₆₃, 4, 1, 0; 1998 RF₆₅, 5, 1, 0; 1998 RN₇₂, 4, 1, 0; 1998 SC₁₀, 5, 1, 0; 1998 SK₁₀, 5, 1, 0; 1998 SE₁₂, 9, 2, 2; 1998 SQ₁₃, 4, 1, 0; 1998 SB₂₄, 9, 2, 1; 1998 SN₃₇, 4, 1, 0; 1998 SU

1998 VE₄₉ *, 5, 1, 0; 1998 VF₄₉ *, 5, 1, 0; 1998 VG₄₉ *, 5, 1, 0; 1998 VH₄₉ *, 5, 1, 0; 1998 VJ₄₉ *, 4, 1, 0; 1998 VK₄₉ *, 5, 1, 0; 1998 VL₄₉ *, 4, 1, 0; 1998 VM₄₉ *, 4, 1, 0; 1998 VN₄₉ *, 4, 1, 0; 1998 VO₄₉ *, 4, 1, 0; 1998 VP₄₉ *, 10, 2, 1; 1998 VQ₄₉ *, 4, 1, 0; 1998 VR₄₉ *, 4, 1, 0; 1998 VS₄₉ *, 4, 1, 0; 1998 VT₄₉ *, 4, 1, 0; 1998 VU₄₉ *, 5, 1, 0; 1998 VV₄₉ *, 5, 1, 0; 1998 VW₄₉ *, 5, 1, 0; 1998 VX₄₉ *, 4, 1, 0; 1998 VY₄₉ *, 4, 1, 0; 1998 VZ₄₉ *, 4, 1, 0; 1998 VA₅₀ *, 4, 1, 0; 1998 VB₅₀ *, 4, 1, 0; 1998 VC₅₀ *, 5, 1, 0; 1998 VD₅₀ *, 5, 1, 0; 1998 VE₅₀ *, 4, 1, 0; 1998 VF₅₀ *, 5, 1, 0; 1998 VG₅₀ *, 4, 1, 0; 1998 VH₅₀ *, 3, 1, 0; 1998 VJ₅₀ *, 3, 1, 0; 1998 VK₅₀ *, 3, 1, 0; 1998 VL₅₀ *, 3, 1, 0; 1998 VM₅₀ *, 3, 1, 0; 1998 VN₅₀ *, 3, 1, 0; 1998 VO₅₀ *, 3, 1, 0; 1998 VP₅₀ *, 3, 1, 0; 1998 VQ₅₀ *, 3, 1, 0; 1998 VR₅₀ *, 3, 1, 0; 1998 VS₅₀ *, 3, 1, 0; 1998 VT₅₀ *, 3, 1, 0; 1998 VU₅₀ *, 3, 1, 0; 1998 VV₅₀ *, 3, 1, 0; 1998 VW₅₀ *, 4, 1, 0; 1998 VX₅₀ *, 4, 1, 0; 1998 VY₅₀ *, 4, 1, 0; 1998 VZ₅₀ *, 5, 1, 0; 1998 VA₅₁ *, 5, 1, 0; 1998 VB₅₁ *, 5, 1, 0; 1998 VC₅₁ *, 5, 1, 0; 1998 VD₅₁ *, 5, 1, 0; 1998 VE₅₁ *, 5, 1, 0; 1998 VF₅₁ *, 5, 1, 0; 1998 VG₅₁ *, 5, 1, 0; 1998 VH₅₁ *, 5, 1, 0; 1998 VJ₅₁ *, 5, 1, 0; 1998 VK₅₁ *, 5, 1, 0; 1998 VL₅₁ *, 5, 1, 0; 1998 VM₅₁ *, 5, 1, 0; 1998 VN₅₁ *, 5, 1, 0; 1998 VO₅₁ *, 5, 1, 0; 1998 VP₅₁ *, 4, 1, 0; 1998 VQ₅₁ *, 5, 1, 0; 1998 VR₅₁ *, 5, 1, 0; 1998 VS₅₁ *, 5, 1, 0; 1998 VT₅₁ *, 5, 1, 0; 1998 VU₅₁ *, 5, 1, 0; 1998 VV₅₁ *, 5, 1, 0; 1998 VW₅₁ *, 5, 1, 0; 1998 VX₅₁ *, 5, 1, 0; 1998 VY₅₁ *, 5, 1, 0; 1998 VZ₅₁ *, 5, 1, 0; 1998 VA₅₂ *, 5, 1, 0; 1998 VB₅₂ *, 5, 1, 0; 1998 VC₅₂ *, 4, 1, 0; 1998 VD₅₂ *, 5, 1, 0; 1998 VE₅₂ *, 5, 1, 0; 1998 VF₅₂ *, 5, 1, 0; 1998 VG₅₂ *, 5, 1, 0; 1998 VH₅₂ *, 5, 1, 0; 1998 VJ₅₂ *, 5, 1, 0; 1998 VK₅₂ *, 5, 1, 0; 1998 VL₅₂ *, 4, 1, 0; 1998 VM₅₂ *, 4, 1, 0; 1998 VN₅₂ *, 14, 3, 106; 1998 VO₅₂ *, 4, 1, 0; 1998 VP₅₂ *, 4, 1, 0; 1998 VQ₅₂ *, 5, 1, 0; 1998 VR₅₂ *, 9, 2, 32; 1998 VS₅₂ *, 5, 1, 0; 1998 VT₅₂ *, 5, 1, 0; 1998 VU₅₂ *, 4, 1, 0; 1998 VV₅₂ *, 4, 1, 0; 1998 VW₅₂ *, 10, 2, 32; 1998 VX₅₂ *, 5, 1, 0; 1998 VY₅₂ *, 10, 2, 2; 1998 VZ₅₂ *, 9, 2, 2; 1998 VA₅₃ *, 10, 2, 2; 1998 VB₅₃ *, 10, 2, 2; 1998 VC₅₃ *, 15, 3, 79; 1998 VD₅₃ *, 10, 2, 2; 1998 VE₅₃ *, 10, 2, 2; 1998 VF₅₃ *, 4, 1, 0; 1998 VG₅₃ *, 9, 2, 2; 1998 VH₅₃ *, 9, 2, 2; 1998 VJ₅₃ *, 9, 2, 2; 1998 VK₅₃ *, 9, 2, 2; 1998 VL₅₃ *, 8, 2, 2; 1998 VM₅₃ *, 9, 2, 2; 1998 VN₅₃ *, 15, 3, 56; 1998 VO₅₃ *, 10, 2, 2; 1998 VP₅₃ *, 8, 2, 2; 1998 VQ₅₃ *, 4, 1, 0; 1998 VR₅₃ *, 9, 2, 2; 1998 VS₅₃ *, 9, 2, 2; 1998 VT₅₃ *, 8, 2, 2; 1998 VU₅₃ *, 9, 2, 2; 1998 VV₅₃ *, 10, 2, 2; 1998 VW₅₃ *, 9, 2, 2; 1998 VX₅₃ *, 9, 2, 2; 1998 VY₅₃ *, 10, 2, 2; 1998 VZ₅₃ *, 10, 2, 2; 1998 VA₅₄ *, 10, 2, 2; 1998 VB₅₄ *, 5, 1, 0; 1998 VC₅₄ *, 9, 2, 2; 1998 VD₅₄ *, 9, 2, 2; 1998 VE₅₄ *, 9, 2, 2; 1998 VF₅₄ *, 9, 2, 2; 1998 VG₅₄ *, 9, 2, 2; 1998 VH₅₄ *, 9, 2, 2; 1998 VJ₅₄ *, 9, 2, 2; 1998 VK₅₄ *, 9, 2, 2; 1998 VL₅₄ *, 9, 2, 2; 1998 VM₅₄ *, 4, 1, 0; 1998 VN₅₄ *, 9, 2, 2; 1998 VO₅₄ *, 10, 2, 2; 1998 VP₅₄ *, 9, 2, 2; 1998 VQ₅₄ *, 9, 2, 2; 1998 VR₅₄ *, 9, 2, 2; 1998 VS₅₄ *, 9, 2, 2; 1998 VT₅₄ *, 10, 2, 2; 1998 VU₅₄ *, 8, 2, 2; 1998 VV₅₄ *, 8, 2, 2; 1998 VW₅₄ *, 8, 2, 2; 1998 VX₅₄ *, 8, 2, 2; 1998 VY₅₄ *, 9, 2, 2; 1998 VZ₅₄ *, 9, 2, 2; 1998 VA₅₅ *, 5, 1, 0; 1998 VB₅₅ *, 10, 2, 32; 1998 VC₅₅ *, 4, 1, 0; 1998 VD₅₅ *, 5, 1, 0; 1998 VE₅₅ *, 5, 1, 0; 1998 VF₅₅ *, 5, 1, 0; 1998 VG₅₅ *, 5, 1, 0; 1998 VH₅₅ *, 5, 1, 0; 1998 WI₉ *, 2, 24; 1998 WX₅ *, 5, 1, 0; 1998 WM₇ *, 7, 2, 12; 1998 WB₈ *, 5, 1, 0; 1998 WQ₈ *, 9, 2, 6; 1998 WU₈ *, 5, 1, 0; 1998 WB₉ *, 5, 1, 0; 1998 WE₉ *, 5, 1, 0; 1998 WF₉ *, 5, 1, 0; 1998 WG₉ *, 9, 2, 7; 1998 WH₁₀ *, 5, 1, 0; 1998 WO₁₀ *, 5, 1, 0; 1998 WB₁₁ *, 4, 1, 0; 1998 WM₁₁ *, 5, 1, 0; 1998 WU₁₁ *, 5, 1, 0; 1998 WX₁₁ *, 5, 1, 0; 1998 WY₁₁ *, 5, 1, 0; 1998 WL₁₃ *, 18, 4, 105; 1998 WO₁₃ *, 14, 3, 33; 1998 WZ₁₃ *, 3, 1, 0; 1998 WN₁₅ *, 5, 1, 0; 1998 WC₁₇ *, 5, 1, 0; 1998 WD₁₇ *, 14, 3, 506; 1998 WR₁₇ *, 9, 2, 26; 1998 WP₁₉ *, 14, 3, 29; 1998 WR₁₉ *, 10, 2, 16; 1998 WV₁₉ *, 4, 1, 0; 1998 WL₂₀ *, 4, 1, 0; 1998 WT₂₀ *, 5, 1, 0; 1998 WU₂₀ *, 5, 1, 0; 1998 WB₂₁ *, 3, 1, 0; 1998 WE₂₁ *, 3, 1, 0; 1998 WR₂₁ *, 3, 1, 0; 1998 WS₂₁ *, 4, 1, 0; 1998 WE₂₂ *, 7, 2, 72; 1998 WY₂₃ *, 10, 2, 30; 1998 WD₂₄ *, 4, 1, 0; 1998 WB₂₅ *, 5, 1, 0; 1998 WF₃₁ *, 9, 2, 29; 1998 WM₃₁ *, 4, 1, 0; 1998 WH₃₂ *, 4, 1, 0; 1998 WQ₃₂ *, 4, 1, 0; 1998 WV₃₃ *, 5, 1, 0; 1998 WA₃₄ *, 8, 2, 7; 1998 WE₃₄ *, 4, 1, 0; 1998 WN₃₄ *, 4, 1, 0; 1998 WP₃₄ *, 4, 1, 0; 1998 WQ₃₄ *, 4, 1, 0; 1998 WR₃₄ *, 4, 1, 0; 1998 WS₃₇ *, 4, 1, 0; 1998 WX₃₇ *, 4, 1, 0; 1998 WT₄₀ *, 5, 1, 0; 1998 WU₄₀ *, 4, 1, 0; 1998 WV₄₀ *, 5, 1, 0; 1998 WW₄₀ *, 5, 1, 0; 1998 WX₄₀ *, 5, 1, 0; 1998 WY₄₀ *, 5, 1, 0; 1998 WZ₄₀ *, 4, 1, 0; 1998 WA₄₁ *, 7, 2, 7; 1998 WB₄₁ *, 4, 1, 0; 1998 WC₄₁ *, 8, 2, 7; 1998 WD₄₁ *, 8, 2, 6; 1998 WE₄₁ *, 4, 1, 0; 1998 WF₄₁ *, 8, 2, 6; 1998 WG₄₁ *, 4, 1, 0; 1998 WH₄₁ *, 5, 1, 0; 1998 WJ₄₁ *, 9, 2, 6; 1998 WK₄₁ *, 4, 1, 0; 1998 WL₄₁ *, 8, 2, 6; 1998 WM₄₁ *, 4, 1, 0; 1998 WN₄₁ *, 5, 1, 0; 1998 WO₄₁ *, 9, 2, 3; 1998 WP₄₁ *, 5, 1, 0; 1998 WQ₄₁ *, 4, 1, 0; 1998 WR₄₁ *, 5, 1, 0; 1998 WS₄₁ *, 5, 1, 0; 1998 WT₄₁ *, 5, 1, 0; 1998 WU₄₁ *, 4, 1, 0; 1998 WV₄₁ *, 4, 1, 0; 1998 WW₄₁ *, 4, 1, 0; 1998 WX₄₁ *, 5, 1, 0; 1998 WY₄₁ *, 5, 1, 0; 1998 WZ₄₁ *, 5, 1, 0; 1998 WA₄₂ *, 5, 1, 0; 1998 WB₄₂ *, 4, 1, 0; 1998 WC₄₂ *, 4, 1, 0; 1998 XD₂₁ *, 5, 1, 0; 1998 XQ₂₃ *, 4, 1, 0; 1998 XD₂₄ *, 10, 2, 29; 1998 XH₂₇ *, 4, 1, 0; 1998 XQ₂₈ *, 4, 1, 0; 1998 XE₃₃ *, 9, 2, 1; 1998 XK₃₆ *, 4, 1, 0; 1998 XK₃₉ *, 9, 2, 13; 1998 XA₄₀ *, 5, 1, 0; 1998 XQ₄₁ *, 5, 1, 0; 1998 XA₄₂ *, 8, 2, 29; 1998 XZ₄₃ *, 5, 1, 0; 1998 XJ₄₅ *, 5, 1, 0; 1998 XX₄₅ *, 5, 1, 0; 1998 XY₄₅ *, 10, 2, 29; 1998 XY₄₆ *, 4, 1, 0; 1998 XN₄₈ *, 8, 2, 3; 1998 XR₄₈ *, 9, 2, 13; 1998 XG₅₀ *, 8, 2, 16; 1998 XE₅₁ *, 4, 1, 0; 1998 XF₅₁ *, 5, 1, 0; 1998 XH₅₁ *, 4, 1, 0; 1998 XG₅₃ *, 9, 2, 13; 1998 XS₅₅ *, 4, 1, 0; 1998 XC₆₃ *, 4, 1, 0; 1998 XG₆₅ *, 5, 1, 0; 1998 XT₆₅ *, 4, 1, 0; 1998 XR₆₈ *, 22, 5, 192; 1998 XJ₇₂ *, 4, 1, 0; 1998 XA₇₅ *, 4, 1, 0; 1998 XN₇₅ *, 5, 1, 0; 1998 XW₇₅ *, 5, 1, 0; 1998 XF₇₈ *, 4, 1, 0; 1998 XH₇₈ *, 9, 2, 55; 1998 XP₇₈ *, 4, 1, 0; 1998 XO₈₂ *, 4, 1, 0; 1998 XN₈₉ *, 4, 1, 0; 1998 XV₉₃ *, 4, 1, 0; 1998 XL₉₄ *, 3, 1, 0; 1998 XS₉₄ *, 5, 1, 0; 1998 XT₉₄ *, 5, 1, 0; 1998 XF₉₆ *, 5, 1, 0; 1998 XJ₉₈ *, 5, 1, 0; 1998 XM₉₈ *, 4, 1, 0; 1998 XN₉₈ *, 5, 1, 0; 1998 XS₉₈ *, 5, 1, 0; 1998 XU₉₈ *, 5, 1, 0; 1998 XV₉₈ *,

9, 2, 6; 1998 XW₉₈ *, 4, 1, 0; 1998 XX₉₈ *, 5, 1, 0; 1998 XY₉₈ *, 10, 2, 3; 1998 XZ₉₈ *, 8, 2, 3; 1998 XA₉₉ *, 10, 2, 3; 1998 XB₉₉ *, 24, 5, 157; 1998 XC₉₉ *, 4, 1, 0; 1998 XD₉₉ *, 20, 4, 55; 1998 XE₉₉ *, 5, 1, 0; 1998 XF₉₉ *, 8, 2, 1; 1998 XG₉₉ *, 4, 1, 0; 1998 XH₉₉ *, 4, 1, 0; 1998 XJ₉₉ *, 4, 1, 0; 1998 YA₅ *, 1, 0; 1998 YC₄ *, 1, 0; 1998 YH₄ *, 1, 0; 1998 YV₅ *, 1, 0; 1998 YB₁ *, 4, 1, 0; 1998 YG₁ *, 13, 3, 46; 1998 YA₂ *, 10, 2, 16; 1998 YN₂ *, 4, 1, 0; 1998 YT₂ *, 5, 1, 0; 1998 YH₃ *, 10, 2, 13; 1998 YT₃ *, 5, 1, 0; 1998 YD₄ *, 4, 1, 0; 1998 YL₄ *, 10, 2, 16; 1998 YK₅ *, 10, 2, 34; 1998 YU₅ *, 5, 1, 0; 1998 YD₈ *, 4, 1, 0; 1998 YF₈ *, 9, 2, 22; 1998 YH₈ *, 7, 2, 13; 1998 YK₈ *, 4, 1, 0; 1998 YO₈ *, 5, 1, 0; 1998 YQ₉ *, 2, 16; 1998 YU₉ *, 5, 1, 0; 1998 YD₁₁ *, 4, 1, 0; 1998 YC₁₂ *, 10, 2, 16; 1998 YF₁₂ *, 5, 1, 0; 1998 YQ₁₂ *, 4, 1, 0; 1998 YQ₁₅ *, 3, 1, 0; 1998 YA₁₈ *, 5, 1, 0; 1998 YH₂₂ *, 5, 1, 0; 1998 YF₂₃ *, 3, 1, 0; 1998 YN₂₅ *, 9, 2, 33; 1998 YZ₂₉ *, 4, 1, 0; 1998 YH₃₀ *, 4, 1, 0; 1998 YS₃₁ *, 4, 1, 0; 1998 YY₃₁ *, 5, 1, 0; 1998 YZ₃₁ *, 9, 2, 2, 1; 1998 YA₃₂ *, 13, 2, 1; 1998 YB₃₂ *, 4, 1, 0; 1998 YC₃₂ *, 5, 1, 0; 1998 YD₃₂ *, 5, 1, 0; 1998 YE₃₂ *, 5, 1, 0; 1998 YF₃₂ *, 5, 1, 0; 1998 YG₃₂ *, 9, 2, 25; 1998 AU₁₀ *, 2, 16; 1998 AX₅ *, 1, 0; 1998 AZ₁₄ *, 3, 494; 1998 AC₂ *, 5, 1, 0; 1998 AG₂ *, 10, 2, 16; 1998 AM₃ *, 8, 2, 11; 1998 AS₃ *, 8, 2, 16; 1998 AA₄ *, 9, 2, 16; 1998 AO₄ *, 10, 2, 16; 1998 AT₄ *, 4, 1, 0; 1998 AB₅ *, 8, 2, 16; 1998 AR₅ *, 4, 1, 0; 1998 AH₆ *, 10, 2, 2; 1998 AE₇ *, 4, 1, 0; 1998 AG₇ *, 3, 1, 0; 1998 AW₇ *, 5, 1, 0; 1998 AP₈ *, 14, 3, 106; 1998 AH₁₀ *, 4, 1, 0; 1998 AW₁₆ *, 9, 2, 16; 1998 AV₁₇ *, 4, 1, 0; 1998 AQ₁₉ *, 5, 1, 0; 1998 AU₂₀ *, 5, 1, 0; 1998 AV₂₀ *, 5, 1, 0; 1998 AJ₂₁ *, 4, 1, 0; 1998 AQ₂₁ *, 7, 2, 16; 1998 AR₂₁ *, 5, 1, 0; 1998 AX₂₁ *, 10, 2, 16; 1998 AA₂₃ *, 3, 1, 0; 1998 AG₂₃ *, 30, 7, 509; 1998 AH₂₃ *, 41, 9, 563; 1998 AK₂₃ *, 15, 3, 113; 1998 AQ₂₃ *, 4, 1, 0; 1998 AM₂₄ *, 3, 1, 0; 1998 AS₂₅ *, 3, 1, 0; 1998 AE₂₈ *, 8, 2, 20; 1998 AS₃₁ *, 3, 1, 0; 1998 AN₃₄ *, 9, 2, 2; 1998 AN₃₇ *, 4, 1, 0; 1998 AO₃₇ *, 14, 3, 55; 1998 AV₃₇ *, 4, 1, 0; 1998 AH₃₈ *, 15, 3, 55; 1998 AJ₃₈ *, 5, 1, 0; 1998 AK₃₈ *, 10, 2, 28; 1998 AL₃₈ *, 5, 1, 0; 1998 AM₃₈ *, 5, 1, 0; 1998 AN₃₈ *, 15, 3, 61; 1998 AO₃₈ *, 5, 1, 0; 1998 AP₃₈ *, 5, 1, 0; 1998 AQ₃₈ *, 9, 2, 4; 1998 BE₁₂ *, 3, 29; 1998 BN₅ *, 1, 0; 1998 BE₁ *, 4, 1, 0; 1998 BP₁ *, 4, 1, 0; 1998 BC₂ *, 7, 2, 16; 1998 BX₂ *, 5, 1, 0; 1998 BF₃ *, 10, 2, 16; 1998 BZ₃ *, 10, 2, 20; 1998 BA₄ *, 5, 1, 0; 1998 BQ₆ *, 7, 2, 20; 1998 BP₇ *, 8, 2, 16; 1998 BX₈ *, 4, 1, 0; 1998 BJ₉ *, 4, 1, 0; 1998 BP₉ *, 5, 1, 0; 1998 BG₁₀ *, 3, 1, 0; 1998 BC₁₁ *, 6, 2, 16; 1998 BL₁₂ *, 5, 1, 0; 1998 BJ₁₄ *, 3, 1, 0; 1998 BK₁₄ *, 7, 2, 16; 1998 BJ₁₇ *, 9, 2, 110; 1998 BM₁₇ *, 9, 2, 413; 1998 BF₁₈ *, 5, 1, 0; 1998 BS₁₈ *, 5, 1, 0; 1998 BA₁₉ *, 5, 1, 0; 1998 BQ₂₀ *, 5, 1, 0; 1998 BS₂₀ *, 5, 1, 0; 1998 BJ₂₁ *, 5, 1, 0; 1998 BM₂₂ *, 5, 1, 0; 1998 BY₂₂ *, 5, 1, 0; 1998 BS₂₃ *, 5, 1, 0; 1998 BY₂₃ *, 10, 2, 106; 1998 BZ₂₃ *, 9, 2, 13; 1998 BT₂₄ *, 9, 2, 9; 1998 BB₂₅ *, 14, 3, 532; 1998 BH₂₅ *, 5, 1, 0; 1998 BJ₂₅ *, 4, 1, 0; 1998 BY₂₇ *, 9, 1, 0; 1998 BL₂₈ *, 4, 1, 0; 1998 BT₃₁ *, 4, 1, 0; 1998 BK₃₄ *, 4, 1, 0; 1998 BL₃₄ *, 4, 1, 0; 1998 BQ₃₄ *, 5, 1, 0; 1998 BR₃₄ *, 10, 2, 29; 1998 BS₃₄ *, 5, 1, 0; 1998 BT₃₄ *, 4, 1, 0; 1998 BU₃₄ *, 5, 1, 0; 1998 BV₃₄ *, 5, 1, 0; 1998 CO₄ *, 4, 1, 0; 1998 CV₁₁ *, 3, 28; 1998 CX₄ *, 1, 0; 1998 CY₁ *, 15, 4, 981; 1998 CZ₁ *, 5, 1, 0; 1998 CL₂ *, 12, 3, 1040; 1998 CA₃ *, 4, 1, 0; 1998 CQ₄ *, 5, 1, 0; 1998 CY₄ *, 13, 3, 82; 1998 CT₅ *, 3, 1, 0; 1998 CU₅ *, 3, 1, 0; 1998 CA₆ *, 14, 3, 562; 1998 CF₆ *, 5, 1, 0; 1998 CA₇ *, 4, 1, 0; 1998 CB₈ *, 19, 4, 590; 1998 CC₉ *, 4, 1, 0; 1998 CX₉ *, 4, 1, 0; 1998 CM₁₀ *, 3, 1, 0; 1998 CQ₁₀ *, 9, 2, 46; 1998 CZ₁₃ *, 4, 1, 0; 1998 CA₁₄ *, 3, 1, 0; 1998 CG₁₄ *, 7, 2, 16; 1998 CH₁₄ *, 8, 2, 16; 1998 CS₁₄ *, 4, 1, 0; 1998 CT₁₄ *, 7, 2, 31; 1998 CX₁₄ *, 4, 1, 0; 1998 CO₁₅ *, 8, 2, 26; 1998 CM₁₆ *, 5, 1, 0; 1998 CD₁₇ *, 9, 2, 29; 1998 CN₁₇ *, 5, 1, 0; 1998 CY₁₇ *, 9, 2, 29; 1998 CA₁₉ *, 5, 1, 0; 1998 CF₁₉ *, 5, 1, 0; 1998 CG₁₉ *, 9, 2, 16; 1998 CE₂₀ *, 4, 1, 0; 1998 CG₂₀ *, 15, 3, 106; 1998 CH₂₀ *, 4, 1, 0; 1998 CK₂₀ *, 4, 1, 0; 1998 CL₂₀ *, 4, 1, 0; 1998 CV₂₀ *, 11, 3, 28; 1998 CB₂₂ *, 5, 1, 0; 1998 CG₂₂ *, 4, 1, 0; 1998 CW₂₂ *, 9, 2, 55; 1998 CM₂₃ *, 5, 1, 0; 1998 CO₂₄ *, 4, 1, 0; 1998 CQ₂₄ *, 15, 3, 132; 1998 CW₂₄ *, 14, 3, 165; 1998 CS₂₆ *, 5, 1, 0; 1998 CZ₂₇ *, 4, 1, 0; 1998 CD₂₈ *, 4, 1, 0; 1998 CE₂₈ *, 5, 1, 0; 1998 CH₃₁ *, 13, 3, 952; 1998 CB₃₂ *, 10, 2, 26; 1998 CM₃₂ *, 3, 1, 0; 1998 CN₃₂ *, 4, 1, 0; 1998 CO₃₂ *, 4, 1, 0; 1998 CT₃₅ *, 4, 1, 0; 1998 CJ₃₆ *, 18, 4, 590; 1998 CV₃₆ *, 4, 1, 0; 1998 CG₃₇ *, 13, 3, 532; 1998 CL₃₇ *, 5, 1, 0; 1998 CS₃₈

1999 DB₁, 4, 1, 0; 1999 DF₁, 10, 2, 59; 1999 DJ₂, 5, 1, 0; 1999 DA₃, 10, 2, 30; 1999 DB₃, 5, 1, 0; 1999 DH₄, 7, 1, 0; 1999 DF₅, 5, 1, 0; 1999 DG₅, 4, 1, 0; 1999 DC₆, 16, 2, 1; 1999 DQ₆, 7, 2, 13; 1999 DF₇, 5, 1, 0; 1999 DN₇, 10, 2, 16; 1999 DW₈ *, 5, 1, 0; 1999 DX₈ *, 8, 2, 2; 1999 DY₈ *, 5, 1, 0; 1999 DZ₈ *, 5, 1, 0; 1999 DA₉ *, 5, 1, 0; 1999 DB₉ *, 4, 1, 0; 1999 EG₄, 1, 0; 1999 EJ₉, 2, 16; 1999 EK₃, 7, 2, 16; 1999 ER₄, 5, 1, 0; 1999 EV₄, 3, 1, 0; 1999 EZ₄, 5, 1, 0; 1999 EG₅, 5, 1, 0; 1999 EP₅, 7, 2, 9; 1999 ES₅, 4, 1, 0; 1999 EU₅, 5, 1, 0; 1999 EZ₁₁, 4, 1, 0; 1999 EA₁₂, 32, 7, 982; 1999 ED₁₂, 5, 1, 0; 1999 EF₁₂, 5, 1, 0; 1999 EQ₁₄, 5, 1, 0; 1999 EV₁₄ *, 4, 1, 0; 1999 EW₁₄ *, 4, 1, 0; 1999 FZ₉, 2, 8; 1999 FE₁, 4, 1, 0; 1999 FW₁, 8, 2, 16; 1999 FZ₂, 5, 1, 0; 1999 FS₃, 10, 2, 16; 1999 FW₄, 4, 1, 0; 1999 FJ₅, 4, 1, 0; 1999 FM₆, 13, 3, 448; 1999 FH₇, 19, 4, 13; 1999 FN₇, 14, 3, 81; 1999 FA₉, 8, 2, 16; 1999 FC₉, 12, 2, 20; 1999 FF₉, 5, 1, 0; 1999 FV₉, 9, 2, 48; 1999 FD₁₀, 9, 2, 16; 1999 FJ₁₀, 8, 2, 13; 1999 FM₁₀, 16, 3, 4; 1999 FV₁₀, 4, 1, 0; 1999 FU₁₃, 5, 1, 0; 1999 FP₁₇, 4, 1, 0; 1999 FU₁₇, 4, 1, 0; 1999 FZ₁₈, 14, 3, 9; 1999 FG₁₉, 3, 1, 0; 1999 FM₁₉, 8, 2, 16; 1999 FM₂₂, 9, 2, 13; 1999 FJ₂₄, 10, 2, 1; 1999 FL₂₄, 5, 1, 0; 1999 FM₂₄, 5, 1, 0; 1999 FT₂₄, 5, 1, 0; 1999 FU₂₄, 10, 2, 16; 1999 FQ₂₅, 16, 4, 468; 1999 FT₂₅, 10, 2, 3; 1999 FF₂₆, 9, 2, 1; 1999 FL₂₆, 10, 2, 1; 1999 FN₂₆, 15, 4, 468; 1999 FZ₂₆, 5, 1, 0; 1999 FF₂₇, 5, 1, 0; 1999 FJ₂₇, 4, 1, 0; 1999 FS₂₇, 5, 1, 0; 1999 FA₂₈, 10, 2, 1; 1999 FB₂₈, 9, 2, 1; 1999 FC₂₈, 10, 2, 1; 1999 FD₂₈, 14, 3, 25; 1999 FG₂₈, 9, 2, 1; 1999 FM₂₈, 9, 2, 1; 1999 FS₂₈, 3, 1, 0; 1999 FV₂₈, 5, 1, 0; 1999 FM₂₉, 10, 2, 16; 1999 FC₃₀, 4, 1, 0; 1999 FJ₃₀, 5, 1, 0; 1999 FN₃₀, 4, 1, 0; 1999 FP₃₀, 4, 1, 0; 1999 FU₃₀, 6, 2, 16; 1999 FC₃₁, 10, 2, 16; 1999 FG₃₁, 18, 4, 8; 1999 FW₃₁, 22, 4, 8; 1999 FM₃₂, 10, 2, 20; 1999 FS₃₂, 5, 1, 0; 1999 FT₃₂, 9, 2, 16; 1999 FW₃₂, 4, 1, 0; 1999 FX₃₂, 9, 2, 16; 1999 FM₃₃, 14, 3, 466; 1999 FN₃₃, 4, 1, 0; 1999 FP₃₃, 9, 2, 32; 1999 FT₃₃, 5, 1, 0; 1999 FJ₃₄, 9, 2, 16; 1999 FR₃₄, 9, 2, 4; 1999 FM₃₆, 4, 1, 0; 1999 FW₃₆, 9, 2, 1; 1999 FF₃₈, 10, 2, 4; 1999 FM₄₄, 4, 1, 0; 1999 FS₄₅, 14, 2, 16; 1999 FX₄₅, 5, 1, 0; 1999 FZ₄₅, 5, 1, 0; 1999 FK₅₀, 5, 1, 0; 1999 FS₅₁, 1, 4, 883; 1999 FY₅₁, 5, 1, 0; 1999 FY₅₂, 5, 1, 0; 1999 FA₅₄, 5, 1, 0; 1999 FV₅₄, 5, 1, 0; 1999 FU₅₅, 13, 3, 458; 1999 FX₅₆, 11, 3, 30; 1999 FE₅₈, 5, 1, 0; 1999 FD₅₉, 4, 1, 0; 1999 FW₅₉, 18, 4, 56; 1999 FE₆₀ *, 10, 2, 2; 1999 FF₆₀ *, 5, 1, 0; 1999 GU₁₄, 3, 8; 1999 GF₂, 4, 1, 0; 1999 GL₂, 10, 2, 16; 1999 GC₄, 4, 1, 0; 1999 GQ₄, 4, 1, 0; 1999 GX₄, 20, 5, 8; 1999 GD₅, 7, 2, 16; 1999 GP₅, 5, 1, 0; 1999 GQ₅, 5, 1, 0; 1999 GX₅, 5, 1, 0; 1999 GE₆, 4, 1, 0; 1999 GF₆, 14, 3, 464; 1999 GX₆, 9, 2, 13; 1999 GX₇, 7, 2, 11; 1999 GA₈, 5, 1, 0; 1999 GQ₈, 4, 1, 0; 1999 GR₈, 9, 2, 16; 1999 GV₈, 10, 2, 16; 1999 GX₈, 3, 1, 0; 1999 GP₉, 4, 1, 0; 1999 GP₁₁, 3, 1, 0; 1999 GW₁₆, 5, 1, 0; 1999 GX₁₆, 4, 1, 0; 1999 GC₁₇, 4, 1, 0; 1999 GK₁₇, 5, 1, 0; 1999 GD₁₈, 3, 1, 0; 1999 GH₁₈, 5, 1, 0; 1999 GN₁₈, 7, 2, 16; 1999 GW₁₈, 4, 1, 0; 1999 GF₁₉, 8, 2, 12; 1999 GO₁₉, 5, 1, 0; 1999 GV₁₉, 5, 1, 0; 1999 GA₂₀, 4, 1, 0; 1999 GD₂₀, 5, 1, 0; 1999 GK₂₀, 8, 2, 16; 1999 GY₂₂, 9, 2, 24; 1999 GJ₂₃, 10, 2, 23; 1999 LD₂₃, 5, 1, 0; 1999 GP₂₃, 4, 1, 0; 1999 GR₂₃, 5, 1, 0; 1999 GW₂₄, 7, 2, 16; 1999 GX₂₄, 3, 1, 0; 1999 GF₂₈, 5, 1, 0; 1999 GD₂₉, 4, 1, 0; 1999 GF₃₀, 5, 1, 0; 1999 GH₃₁, 4, 1, 0; 1999 GQ₃₁, 4, 1, 0; 1999 GW₃₁, 4, 1, 0; 1999 GC₃₂, 10, 2, 27; 1999 GB₃₄, 4, 1, 0; 1999 GN₃₄, 5, 1, 0; 1999 GX₃₄, 10, 2, 16; 1999 GA₃₅, 4, 1, 0; 1999 GX₃₆, 13, 3, 494; 1999 GX₃₇, 5, 1, 0; 1999 GN₃₈, 5, 1, 0; 1999 GP₄₀, 5, 1, 0; 1999 GQ₄₀, 5, 1, 0; 1999 GY₄₁, 9, 2, 16; 1999 GL₄₈, 5, 1, 0; 1999 GE₄₉, 4, 1, 0; 1999 GF₄₉, 4, 1, 0; 1999 GS₄₉, 5, 1, 0; 1999 GB₅₀, 4, 1, 0; 1999 GD₅₀, 5, 1, 0; 1999 GX₅₀, 4, 1, 0; 1999 GD₅₁, 5, 1, 0; 1999 GP₅₁, 5, 1, 0; 1999 GQ₅₁, 5, 1, 0; 1999 GY₅₂, 9, 2, 33; 1999 GL₅₃, 5, 1, 0; 1999 GP₅₃, 9, 2, 46; 1999 GC₅₄ *, 8, 2, 31; 1999 GD₅₄ *, 14, 3, 55; 1999 GE₅₄, 4, 1, 0; 1999 GG₅₅, 9, 2, 1; 1999 GL₅₅, 9, 2, 1; 1999 GA₅₇, 4, 1, 0; 1999 GC₅₇, 5, 1, 0; 1999 GD₅₇, 5, 1, 0; 1999 GE₅₇, 5, 1, 0; 1999 GF₅₇, 4, 1, 0; 1999 GG₅₇, 5, 1, 0; 1999 GC₅₇, 5, 1, 0; 1999 GJ₅₇, 5, 1, 0; 1999 GN₅₇ *, 5, 1, 0; 1999 GO₅₇ *, 4, 1, 0; 1999 GP₅₇ *, 5, 1, 0; 1999 GQ₅₇ *, 5, 1, 0; 1999 GS₅₇ *, 5, 1, 0; 1999 GT₅₇ *, 4, 1, 0; 1999 GU₅₇ *, 4, 1, 0; 1999 GV₅₇ *, 4, 1, 0; 1999 GW₅₇ *, 4, 1, 0; 1999 GX₅₇ *, 4, 1, 0; 1999 GY₅₇ *, 5, 1, 0; 1999 GZ₅₇ *, 5, 1, 0; 1999 GA₅₈ *, 4, 1, 0; 1999 GB₅₈ *, 5, 1, 0; 1999 GC₅₈ *, 10, 2, 5; 1999 GD₅₈ *, 5, 1, 0; 1999 GE₅₈ *, 5, 1, 0; 1999 GF₅₈ *, 4, 1, 0; 1999 GG₅₈ *, 4, 1, 0; 1999 GH₅₈ *, 9, 2, 5; 1999 GJ₅₈ *, 4, 1, 0; 1999 GK₅₈ *, 4, 1, 0; 1999 GL₅₈ *, 4, 1, 0; 1999 GM₅₈ *, 5, 1, 0; 1999 GN₅₈ *, 5, 1, 0; 1999 GO₅₈ *, 9, 2, 5; 1999 GQ₅₈ *, 8, 2, 5; 1999 GR₅₈ *, 4, 1, 0; 1999 GS₅₈ *, 5, 1, 0; 1999 GT₅₈ *, 5, 1, 0; 1999 GU₅₈ *, 5, 1, 0; 1999 GV₅₈ *, 5, 1, 0; 1999 GW₅₈ *, 5, 1, 0; 1999 GX₅₈ *, 5, 1, 0; 1999 GY₅₈ *, 5, 1, 0; 1999 GZ₅₈ *, 5, 1, 0; 1999 GA₅₉ *, 5, 1, 0; 1999 GB₅₉ *, 5, 1, 0; 1999 GC₅₉ *, 5, 1, 0; 1999 GD₅₉ *, 5, 1, 0; 1999 GE₅₉ *, 5, 1, 0; 1999 GF₅₉ *, 5, 1, 0; 1999 GG₅₉ *, 5, 1, 0; 1999 GH₅₉ *, 4, 1, 0; 1999 GJ₅₉ *, 5, 1, 0; 1999 GK₅₉ *, 5, 1, 0; 1999 GL₅₉ *, 4, 1, 0; 1999 GM₅₉ *, 5, 1, 0; 1999 GN₅₉ *, 5, 1, 0; 1999 GO₅₉ *, 5, 1, 0; 1999 GP₅₉ *, 4, 1, 0; 1999 GQ₅₉ *, 5, 1, 0; 1999 GR₅₉ *, 9, 2, 3; 1999 GS₅₉ *, 10, 2, 4; 1999 GT₅₉ *, 4, 1, 0; 1999 GU₅₉ *, 5, 1, 0; 1999 GV₅₉ *, 5, 1, 0; 1999 GW₅₉ *, 4, 1, 0; 1999 GX₅₉ *, 10, 2, 1; 1999 GY₅₉ *, 8, 2, 1; 1999 GZ₅₉ *, 8, 2, 1; 1999 GA₆₀ *, 10, 2, 1; 1999 GB₆₀ *, 10, 2, 1; 1999 GC₆₀ *, 20, 4, 134; 1999 GD₆₀ *, 10, 2, 1; 1999 GE₆₀ *, 9, 2, 1; 1999 GF₆₀ *, 14, 3, 56; 1999 GG₆₀ *, 9, 2, 1; 1999 GH₆₀ *, 9, 2, 1; 1999 GJ₆₀ *, 19, 4, 56; 1999 GK₆₀ *, 9, 2, 1; 1999 GL₆₀ *, 9, 2, 1; 1999 GM₆₀ *, 9, 2, 1; 1999 GN₆₀ *, 19, 4, 56; 1999 GO₆₀ *, 14, 3, 21; 1999 GP₆₀ *, 9, 2, 1; 1999 GQ₆₀ *, 19, 4, 50; 1999 GR₆₀ *, 9, 2, 1; 1999 GS₆₀ *, 5, 1, 0; 1999 GT₆₀ *, 10, 2, 2; 1999 GU₆₀ *, 5, 1, 0; 1999 GV₆₀ *, 4, 1, 0; 1999 GW₆₀ *, 10, 2, 8; 1999 GX₆₀ *, 4, 1, 0; 1999 GY₆₀ *, 5, 1, 0; 1999 GZ₆₀ *, 5, 1, 0; 1999 GA₆₁ *, 9, 2, 2; 1999 GB₆₁ *, 4, 1, 0; 1999 GC₆₁ *, 4, 1, 0; 1999 GD₆₁ *, 10, 2, 2; 1999 GE₆₁ *, 5, 1, 0; 1999 GF₆₁ *, 5, 1, 0; 1999 GG₆₁ *, 5, 1, 0; 1999 GH₆₁ *, 4, 1, 0; 1999 GJ₆₁ *, 9, 2, 5; 1999 GK₆₁, 10, 2, 25; 1999 HU₃, 3, 1, 0; 1999 HH₁, 5, 1, 0; 1999 HO₁, 9, 2, 8; 1999 HP₁, 10, 2, 3; 1999 HU₁, 7, 2, 30; 1999 HU₂, 11, 3, 28; 1999 HL₃, 5, 1, 0; 1999 HP₅, 3, 1,

0; 1999 HM₈, 3, 1, 0; 1999 HN₈, 3, 1, 0; 1999 HL₁₁, 5, 1, 0; 1999 HL₁₂ *, 9, 2, 3; 1999 HM₁₂ *, 9, 2, 3; 1999 HN₁₂ *, 10, 2, 3; 1999 HO₁₂ *, 10, 2, 3; 1999 JA₅, 5, 1, 0; 1999 JH₁₉, 4, 24; 1999 JJ₁, 4, 1, 0; 1999 JM₁, 5, 1, 0; 1999 JT₁, 8, 2, 11; 1999 JL₃, 22, 5, 8; 1999 JO₃, 9, 2, 8; 1999 JX₃, 9, 2, 16; 1999 JE₅, 5, 1, 0; 1999 JY₈, 3, 1, 0; 1999 JZ₈, 5, 1, 0; 1999 JQ₉, 4, 1, 0; 1999 JN₉, 8, 2, 9; 1999 JG₁₀, 4, 1, 0; 1999 JO₁₂, 4, 1, 0; 1999 JV₁₄, 4, 1, 0; 1999 JI₁₈, 18, 4, 524; 1999 JC₁₉, 10, 2, 16; 1999 JX₁₉, 9, 2, 33; 1999 JE₂₁, 5, 1, 0; 1999 JM₂₁, 10, 2, 16; 1999 JU₂₃, 9, 2, 16; 1999 JX₂₆, 4, 1, 0; 1999 JZ₂₇, 18, 3, 16; 1999 JM₂₈, 10, 2, 16; 1999 JT₃₀, 5, 1, 0; 1999 JS₃₂, 4, 1, 0; 1999 JN₃₅, 6, 2, 16; 1999 JF₃₆, 4, 1, 0; 1999 JX₃₆, 8, 2, 437; 1999 JE₃₇, 3, 1, 0; 1999 JQ₃₉, 5, 1, 0; 1999 JR₃₉, 5, 1, 0; 1999 JT₄₁, 5, 1, 0; 1999 JQ₄₂, 5, 1, 0; 1999 JW₄₃, 3, 1, 0; 1999 JN₄₄, 5, 1, 0; 1999 JD₄₈, 4, 1, 0; 1999 JM₄₈, 9, 2, 28; 1999 JT₄₈, 3, 1, 0; 1999 JA₅₁, 4, 1, 0; 1999 JM₅₂, 3, 1, 0; 1999 JT₅₃, 5, 1, 0; 1999 JP₅₅, 8, 2, 16; 1999 JQ₅₆, 3, 1, 0; 1999 JX₅₆, 4, 1, 0; 1999 JL₅₈, 4, 1, 0; 1999 JP₆₀, 4, 1, 0; 1999 JH₆₃, 5, 1, 0; 1999 JX₆₃, 5, 1, 0; 1999 JY₆₅, 15, 3, 7; 1999 JH₆₆, 5, 1, 0; 1999 JB₆₈, 5, 1, 0; 1999 JF₆₈, 3, 1, 0; 1999 JE₆₉, 3, 1, 0; 1999 JV₇₀, 5, 1, 0; 1999 JN₇₅, 4, 1, 0; 1999 JO₇₅, 4, 1, 0; 1999 JF₇₅, 13, 3, 27; 1999 JS₇₇, 5, 1, 0; 1999 JM₇₈, 9, 2, 11; 1999 JC₇₉, 4, 1, 0; 1999 JD₇₉, 4, 1, 0; 1999 JE₇₉, 6, 2, 20; 1999 JG₇₉, 5, 1, 0; 1999 JK₇₉, 5, 1, 0; 1999 JF₈₀, 12, 3, 28; 1999 JS₈₁, 17, 3, 16; 1999 JX₈₁, 4, 1, 0; 1999 JD₈₂, 9, 2, 12; 1999 JE₈₂, 8, 2, 16; 1999 JU₈₃, 4, 1, 0; 1999 JZ₈₃, 4, 1, 0; 1999 JB₈₅, 5, 1, 0; 1999 JA₈₆, 5, 1, 0; 1999 JH₈₆, 4, 1, 0; 1999 JV₈₆, 9, 2, 16; 1999 JW₈₆, 14, 3, 46; 1999 JM₈₈, 5, 1, 0; 1999 JS₈₈, 5, 1, 0; 1999 JK₈₉, 4, 1, 0; 1999 JZ₈₉, 4, 1, 0; 1999 JE₉₀, 5, 1, 0; 1999 JF₉₁, 4, 1, 0; 1999 JU₉₂, 8, 2, 852; 1999 JK₉₃, 6, 1, 0; 1999 JP₉₅, 5, 1, 0; 1999 JR₉₅, 3, 1, 0; 1999 JZ₉₅, 3, 1, 0; 1999 JA₉₆, 8, 2, 16; 1999 JB₉₈, 3, 1, 0; 1999 JE₉₈, 5, 1, 0; 1999 JL₉₈, 3, 1, 0; 1999 JV₉₈, 9, 2, 2; 1999 JW₉₈, 4, 1, 0; 1999 JV₉₉, 4, 1, 0; 1999 JW₉₉, 5, 1, 0; 1999 JQ₁₀₁, 10, 2, 36; 1999 JZ₁₀₁, 3, 1, 0; 1999 JX₁₀₂, 4, 1, 0; 1999 JO₁₀₃, 4, 1, 0; 1999 JP₁₀₉, 10, 2, 16; 1999 JM₁₁₅, 4, 1, 0; 1999 JQ₁₁₇, 9, 2, 16; 1999 JK₁₂₀, 10, 2, 27; 1999 JS₁₂₁, 6, 2, 13; 1999 JM₁₃₂, 13, 3, 10; 1999 JR₁₃₄, 9, 2, 18; 1999 JA₁₃₆, 3, 1, 0; 1999 JN₁₃₆, 13, 3, 449; 1999 KP₆, 5, 1, 0; 1999 KA₈, 4, 1, 0; 1999 KE₈, 10, 2, 25; 1999 LA₉, 9, 2, 4; 1999 LD₅, 5, 1, 0; 1999 LG₇, 4, 1, 0; 1999 LL₉, 4, 1, 0; 1999 LK₁₀, 3, 1, 0; 1999 LQ₁₃, 5, 1, 0; 1999 LT₁₉, 5, 1, 0; 1999 LD₂₀, 4, 1, 0; 1999 LM₃₃, 22, 5, 552; 1999 LJ₃₅ *, 8, 2, 31; 1999 LK₃₅ *, 10, 2, 31; 1999 MJ₈, 8, 2, 18; 1999 MN₁, 8, 2, 3; 1999 NU₄, 4, 1, 0; 1999 NR₂, 9, 2, 114; 1999 NV₄, 4, 1, 0; 1999 NF₅, 5, 1, 0; 1999 NM₅, 5, 1, 0; 1999 NK₇, 4, 1, 0; 1999 NR₇, 8, 2, 9; 1999 NF₈, 5, 1, 0; 1999 NU₈, 14, 3, 38; 1999 NV₈, 8, 2, 6; 1999 NX₉, 5, 1, 0; 1999 NN₁₀, 4, 1, 0; 1999 NW₁₀, 9, 2, 1; 1999 NF₁₆, 5, 1, 0; 1999 NZ₁₆, 3, 1, 0; 1999 NU₁₈, 5, 1, 0; 1999 NS₂₅, 4, 1, 0; 1999 NQ₂₇, 4, 1, 0; 1999 NA₂₈, 5, 1, 0; 1999 NJ₂₉, 4, 1, 0; 1999 NU₃₃, 4, 1, 0; 1999 NB₃₇, 3, 1, 0; 1999 NS₃₈, 10, 2, 34; 1999 NO₃₉, 4, 1, 0; 1999 NP₃₉, 4, 1, 0; 1999 NZ₃₉, 9, 2, 18; 1999 NW₄₀, 4, 1, 0; 1999 NX₄₀, 9, 2, 535; 1999 NB₄₁, 5, 1, 0; 1999 NC₄₁, 5, 1, 0; 1999 NL₄₁, 5, 1, 0; 1999 NZ₄₁, 10, 2, 19; 1999 NB₄₂, 5, 1, 0; 1999 NS₄₂, 8, 2, 38; 1999 NE₄₉, 8, 2, 115; 1999 NK₄₉, 9, 2, 9; 1999 NS₄₉, 8, 2, 24; 1999 NP₅₃, 10, 2, 19; 1999 NQ₅₅, 8, 2, 17; 1999 NS₅₅, 4, 1, 0; 1999 NS₅₆, 9, 2, 2; 1999 NZ₅₆, 14, 3, 27; 1999 ND₅₉, 5, 1, 0; 1999 NZ₆₃, 5, 1, 0; 1999 NO₆₄, 3, 1, 0; 1999 NS₆₄, 4, 1, 0; 1999 OC₂, 8, 2, 33; 1999 OP₂, 5, 1, 0; 1999 OY₂, 8, 2, 10; 1999 OO₃, 8, 2, 10; 1999 OA₅, 9, 2, 36; 1999 OC₅, 10, 2, 19; 1999 PD₂, 5, 1, 0; 1999 PJ₄, 5, 1, 0; 1999 PL₆, 5, 1, 0; 1999 QA₁₀, 10, 2, 25; 1999 QR₄, 1, 0; 1999 QJ₂, 10, 2, 26; 1999 RG₈, 2, 60; 1999 RR₁, 5, 1, 0; 1999 RK₇, 3, 1, 0; 1999 RP₉, 5, 1, 0; 1999 RH₁₀, 9, 2, 21; 1999 RC₁₂, 15, 2, 5; 1999 RB₁₃, 5, 1, 0; 1999 RX₁₄, 4, 1, 0; 1999 RD₁₅, 31, 1, 0; 1999 RT₁₅, 5, 1, 0; 1999 RU₁₅, 4, 1, 0; 1999 RX₁₅, 4, 1, 0; 1999 RZ₁₅, 9, 2, 22; 1999 RB₁₆, 5, 1, 0; 1999 RF₁₆, 5, 1, 0; 1999 RG₁₆, 7, 1, 0; 1999 RL₁₆

2, 10; 1999 RN₁₁₆, 8, 2, 48; 1999 RG₁₁₇, 3, 1, 0; 1999 RU₁₁₇, 9, 2, 88; 1999 RB₁₁₈, 8, 2, 10; 1999 RH₁₁₈, 8, 2, 46; 1999 RQ₁₁₈, 4, 1, 0; 1999 RR₁₁₈, 6, 2, 69; 1999 RS₁₁₈, 8, 2, 10; 1999 RW₁₁₈, 5, 1, 0; 1999 RX₁₁₉, 10, 2, 31; 1999 RT₁₂₀, 5, 1, 0; 1999 RB₁₂₂, 5, 1, 0; 1999 RC₁₂₅, 5, 1, 0; 1999 RB₁₂₇, 8, 2, 29; 1999 RO₁₂₇, 3, 1, 0; 1999 RV₁₂₇, 5, 1, 0; 1999 RZ₁₂₇, 5, 1, 0; 1999 RF₁₂₈, 9, 2, 79; 1999 RB₁₂₉, 5, 1, 0; 1999 RK₁₂₉, 19, 3, 554; 1999 RO₁₃₀, 10, 2, 9; 1999 RN₁₃₄, 8, 2, 17; 1999 RO₁₃₄, 4, 1, 0; 1999 RH₁₃₆, 9, 2, 484; 1999 RA₁₃₇, 9, 2, 7; 1999 RZ₁₃₇, 5, 1, 0; 1999 RV₁₃₈, 5, 1, 0; 1999 RA₁₃₉, 4, 1, 0; 1999 RF₁₃₉, 4, 1, 0; 1999 RG₁₄₂, 3, 1, 0; 1999 RF₁₄₃, 4, 1, 0; 1999 RY₁₄₃, 4, 1, 0; 1999 RQ₁₄₄, 5, 1, 0; 1999 RS₁₄₅, 5, 1, 0; 1999 RZ₁₄₅, 4, 1, 0; 1999 RM₁₄₆, 9, 2, 24; 1999 RV₁₄₆, 4, 1, 0; 1999 RA₁₄₉, 13, 3, 28; 1999 RH₁₄₉, 9, 2, 468; 1999 RC₁₅₀, 8, 2, 10; 1999 RL₁₅₀, 4, 1, 0; 1999 RV₁₅₀, 8, 2, 6; 1999 RY₁₅₀, 9, 2, 23; 1999 RZ₁₅₀, 5, 1, 0; 1999 RA₁₅₁, 5, 1, 0; 1999 RV₁₅₁, 4, 1, 0; 1999 RO₁₅₂, 5, 1, 0; 1999 RW₁₅₂, 5, 1, 0; 1999 RO₁₅₃, 3, 1, 0; 1999 RJ₁₅₄, 18, 4, 29; 1999 RM₁₅₆, 5, 1, 0; 1999 RJ₁₅₇, 4, 1, 0; 1999 RY₁₅₉, 5, 1, 0; 1999 RK₁₆₀, 5, 1, 0; 1999 RV₁₆₀, 5, 1, 0; 1999 RZ₁₆₁, 4, 1, 0; 1999 RB₁₆₂, 5, 1, 0; 1999 RJ₁₆₃, 5, 1, 0; 1999 RO₁₆₃, 5, 1, 0; 1999 RQ₁₆₄, 4, 1, 0; 1999 RN₁₆₅, 5, 1, 0; 1999 RD₁₆₆, 8, 2, 31; 1999 RT₁₆₆, 4, 1, 0; 1999 RA₁₆₈, 14, 3, 28; 1999 RC₁₆₉, 5, 1, 0; 1999 RD₁₇₀, 5, 1, 0; 1999 RS₁₇₁, 9, 2, 2; 1999 RH₁₇₂, 9, 2, 10; 1999 RK₁₇₃, 4, 1, 0; 1999 RL₁₇₃, 13, 3, 22; 1999 RU₁₇₃, 16, 4, 39; 1999 RX₁₇₃, 13, 3, 92; 1999 RB₁₇₄, 12, 3, 66; 1999 RX₁₇₄, 9, 2, 4; 1999 RL₁₇₅, 3, 1, 0; 1999 RN₁₇₅, 5, 1, 0; 1999 RS₁₇₅, 5, 1, 0; 1999 RG₁₇₈, 5, 1, 0; 1999 RT₁₇₈, 5, 1, 0; 1999 RD₁₇₉, 13, 3, 16; 1999 RQ₁₇₉, 9, 2, 23; 1999 RY₁₇₉, 4, 1, 0; 1999 RM₁₈₀, 14, 3, 527; 1999 RT₁₈₀, 13, 3, 8; 1999 RV₁₈₀, 10, 2, 23; 1999 RA₁₈₁, 10, 2, 39; 1999 RE₁₈₃, 5, 1, 0; 1999 RG₁₈₃, 4, 1, 0; 1999 RZ₁₈₃, 13, 3, 76; 1999 RB₁₈₄, 3, 1, 0; 1999 RJ₁₈₄, 4, 1, 0; 1999 RQ₁₈₄, 8, 2, 17; 1999 RZ₁₈₄, 5, 1, 0; 1999 RO₁₈₅, 5, 1, 0; 1999 RY₁₈₅, 5, 1, 0; 1999 RA₁₈₆, 6, 2, 7; 1999 RD₁₈₆, 5, 1, 0; 1999 RQ₁₈₆, 3, 1, 0; 1999 RV₁₈₆, 5, 1, 0; 1999 RG₁₈₇, 9, 2, 23; 1999 RR₁₉₁, 5, 1, 0; 1999 RV₁₉₂, 5, 1, 0; 1999 RC₁₉₃, 9, 2, 6; 1999 RN₁₉₃, 5, 1, 0; 1999 RH₁₉₄, 15, 3, 31; 1999 RR₁₉₄, 9, 2, 12; 1999 RD₁₉₆, 9, 2, 24; 1999 RD₁₉₇, 5, 1, 0; 1999 RV₁₉₇, 9, 2, 10; 1999 RL₁₉₈, 4, 1, 0; 1999 RQ₁₉₈, 4, 1, 0; 1999 RU₁₉₉, 8, 2, 26; 1999 RJ₂₀₀, 5, 1, 0; 1999 RO₂₀₀, 6, 2, 19; 1999 RR₂₀₀, 4, 1, 0; 1999 RU₂₀₀, 9, 2, 89; 1999 RX₂₀₀, 4, 1, 0; 1999 RF₂₀₁, 9, 2, 20; 1999 RN₂₀₁, 10, 2, 16; 1999 RA₂₀₂, 4, 1, 0; 1999 RC₂₀₂, 6, 2, 85; 1999 RA₂₀₃, 9, 2, 26; 1999 RB₂₀₃, 12, 3, 105; 1999 RL₂₀₃, 5, 1, 0; 1999 RV₂₀₃, 7, 2, 16; 1999 RW₂₀₃, 7, 2, 16; 1999 RR₂₀₄, 9, 2, 33; 1999 RS₂₀₄, 5, 1, 0; 1999 RZ₂₀₄, 3, 1, 0; 1999 RG₂₀₅, 5, 1, 0; 1999 RX₂₀₅, 4, 1, 0; 1999 RQ₂₀₆, 10, 2, 32; 1999 RV₂₀₆, 14, 3, 103; 1999 RB₂₀₈, 3, 1, 0; 1999 RF₂₀₈, 27, 6, 615; 1999 RK₂₀₈, 3, 1, 0; 1999 RU₂₀₉, 6, 2, 35; 1999 RY₂₀₉, 4, 1, 0; 1999 RL₂₁₀, 20, 4, 168; 1999 RQ₂₁₀, 10, 2, 23; 1999 RZ₂₁₀, 9, 2, 63; 1999 RE₂₁₁, 11, 3, 582; 1999 RK₂₁₁, 9, 2, 18; 1999 RP₂₁₁, 5, 1, 0; 1999 RY₂₁₁, 5, 1, 0; 1999 RL₂₁₂, 19, 3, 105; 1999 RW₂₁₂, 5, 1, 0; 1999 RK₂₁₄, 10, 2, 16; 1999 RV₂₁₇, 14, 3, 94; 1999 RZ₂₁₇, 5, 1, 0; 1999 RB₂₁₉, 12, 3, 139; 1999 RQ₂₁₉, 9, 2, 17; 1999 RB₂₂₀, 9, 2, 17; 1999 RC₂₂₀, 25, 4, 138; 1999 RO₂₂₀, 7, 2, 30; 1999 RE₂₂₁, 10, 2, 16; 1999 RK₂₂₁, 14, 3, 32; 1999 RL₂₂₁, 3, 1, 0; 1999 RN₂₂₁, 8, 2, 60; 1999 RQ₂₂₁, 5, 1, 0; 1999 RT₂₂₁, 4, 1, 0; 1999 RX₂₂₁, 5, 1, 0; 1999 RZ₂₂₂, 5, 1, 0; 1999 RQ₂₂₂, 20, 4, 556; 1999 RZ₂₂₃, 9, 2, 5; 1999 RL₂₂₄, 4, 1, 0; 1999 RG₂₂₅, 9, 2, 560; 1999 RS₂₂₅, 5, 1, 0; 1999 RT₂₂₅, 9, 2, 94; 1999 RH₂₂₇, 33, 6, 617; 1999 RQ₂₂₇, 3, 1, 0; 1999 RS₂₂₉, 14, 3, 119; 1999 RX₂₂₉, 4, 1, 0; 1999 RB₂₃₀, 9, 2, 70; 1999 RO₂₃₀, 9, 2, 17; 1999 RN₂₃₀, 9, 2, 31; 1999 RE₂₃₁, 9, 2, 17; 1999 RY₂₃₁, 9, 2, 524; 1999 RO₂₃₄, 8, 2, 47; 1999 RL₂₃₅, 4, 1, 0; 1999 RZ₂₃₅, 11, 3, 138; 1999 RH₂₃₆, 9, 2, 62; 1999 RL₂₃₆, 4, 1, 0; 1999 RO₂₃₆, 19, 4, 63; 1999 RX₂₃₈, 3, 1, 0; 1999 RG₂₃₉, 3, 1, 0; 1999 RV₂₄₀, 9, 2, 101; 1999 RF₂₄₁, 9, 2, 101; 1999 RG₂₄₂, 5, 1, 0; 1999 RH₂₄₂, 4, 1, 0; 1999 RJ₂₄₂, 3, 1, 0; 1999 RK₂₄₂, 3, 1, 0; 1999 RL₂₄₂, 4, 1, 0; 1999 RM₂₄₂, 4, 1, 0; 1999 RO₂₄₂, 4, 1, 0; 1999 RP₂₄₂, 4, 1, 0; 1999 RQ₂₄₂, 7, 1, 0; 1999 RR₂₄₂, 32, 6, 594; 1999 RS₂₄₂, 4, 1, 0; 1999 RT₂₄₂, 7, 1, 0; 1999 RU₂₄₂, 4, 1, 0; 1999 RV₂₄₂, 4, 1, 0; 1999 RW₂₄₂, 4, 1, 0; 1999 RX₂₄₂, 8, 1, 0; 1999 RY₂₄₂, 8, 1, 0; 1999 RZ₂₄₂, 8, 1, 0; 1999 RA₂₄₃, 3, 1, 0; 1999 RB₂₄₃, 4, 1, 0; 1999 RC₂₄₃, 3, 1, 0; 1999 RD₂₄₃, 7, 1, 0; 1999 RE₂₄₃, 4, 1, 0; 1999 RF₂₄₃, 3, 1, 0; 1999 RN₂₄₃, 5, 1, 0; 1999 RQ₂₄₃, 4, 1, 0; 1999 RM₂₄₅, 4, 1, 0; 1999 RN₂₄₅, 5, 1, 0; 1999 RO₂₄₅, 5, 1, 0; 1999 RP₂₄₅, 5, 1, 0; 1999 RQ₂₄₅, 3, 1, 0; 1999 RZ₂₄₅, 5, 1, 0; 1999 RW₂₄₅, 5, 1, 0; 1999 RX₂₄₅, 5, 1, 0; 1999 RY₂₄₅, 5, 1, 0; 1999 RZ₂₄₅, 8, 2, 17; 1999 RA₂₄₆, 5, 1, 0; 1999 RB₂₄₆, 4, 1, 0; 1999 RC₂₄₆, 5, 1, 0; 1999 RG₂₄₆, 5, 1, 0; 1999 RH₂₄₆, 5, 1, 0; 1999 RJ₂₄₆, 4, 1, 0; 1999 RK₂₄₆, 4, 1, 0; 1999 RL₂₄₆, 4, 1, 0; 1999 RM₂₄₆, 4, 1, 0; 1999 RN₂₄₆, 3, 1, 0; 1999 RO₂₄₆, 9, 2, 17; 1999 RP₂₄₆, 4, 1, 0; 1999 RQ₂₄₆, 4, 1, 0; 1999 RR₂₄₆, 5, 1, 0; 1999 RS₂₄₆, 4, 1, 0; 1999 RT₂₄₆, 3, 1, 0; 1999 RU₂₄₆, 5, 1, 0; 1999 RV₂₄₆, 5, 1, 0; 1999 RW₂₄₆, 3, 1, 0; 1999 RX₂₄₆, 4, 1, 0; 1999 RY₂₄₆, 4, 1, 0; 1999 RZ₂₄₆, 5, 1, 0; 1999 RA₂₄₇, 3, 1, 0; 1999 RB₂₄₇, 4, 1, 0; 1999 RC₂₄₇, 4, 1, 0; 1999 RD₂₄₇, 3, 1, 0; 1999 RE₂₄₇, 4, 1, 0; 1999 RF₂₄₇, 3, 1, 0; 1999 RG₂₄₇, 3, 1, 0; 1999 RJ₂₄₇, 4, 1, 0; 1999 RK₂₄₇, 6, 1, 0; 1999 RL₂₄₇, 4, 1, 0; 1999 RO₂₄₇, 4, 1, 0; 1999 RP₂₄₇, 5, 1, 0; 1999 RQ₂₄₇, 10, 2, 32; 1999 RR₂₄₇, 5, 1, 0; 1999 RS₂₄₇, 4, 1, 0; 1999 RV₂₄₇, 3, 1, 0; 1999 RW₂₄₇, 3, 1, 0; 1999 RX₂₄₇, 3, 1, 0; 1999 RY₂₄₇, 3, 1, 0; 1999 RZ₂₄₇, 3, 1, 0; 1999 RA₂₄₈, 4, 1, 0; 1999 RB₂₄₈, 4, 1, 0; 1999 RC₂₄₈, 3, 1, 0; 1999 RD₂₄₈, 3, 1, 0; 1999 RE₂₄₈, 5, 1, 0; 1999 RL₂₄₈, 3, 1, 0; 1999 RM₂₄₈, 3, 1, 0; 1999 RN₂₄₈, 4, 1, 0; 1999 RO₂₄₈, 5, 1, 0; 1999 RT₂₄₈, 4, 1, 0; 1999 RU₂₄₈, 4, 1, 0; 1999 RV₂₄₈, 3, 1, 0; 1999 RW₂₄₈, 4, 1, 0; 1999 RX₂₄₈, 5, 1, 0; 1999 RY₂₄₈, 5, 1, 0; 1999 RZ₂₄₈, 5, 1, 0; 1999 RA₂₄₉, 5, 1, 0; 1999 RB₂₄₉, 5, 1, 0; 1999 RC₂₄₉, 5, 1, 0; 1999 RD₂₄₉, 5, 1, 0; 1999 RE₂₄₉, 5, 1, 0; 1999 RF₂₄₉, 5, 1, 0; 1999 RG₂₄₉, 5, 1, 0; 1999 RH₂₄₉, 5, 1, 0; 1999 RJ₂₄₉, 5, 1, 0; 1999 RK₂₄₉, 5, 1, 0; 1999 RL₂₄₉, 5, 1, 0; 1999 RM₂₄₉, 5, 1, 0; 1999 RN₂₄₉, 5, 1, 0; 1999 RW₂₄₉, 5, 1, 0; 1999 RX₂₄₉, 5, 1, 0; 1999 RY₂₄₉, 5, 1, 0; 1999 RZ₂₄₉, 5, 1, 0; 1999 RA₂₅₀, 3, 1, 0; 1999 RB₂₅₀, 5, 1, 0; 1999 RH₂₅₀, 5, 1, 0; 1999 RJ₂₅₀, 3, 1, 0; 1999 RE₂₅₁, 4, 1, 0; 1999 RF₂₅₁, 5, 1, 0; 1999 RG₂₅₁, 3, 1, 0; 1999 RX₂₅₁, 5, 1, 0; 1999 RY₂₅₁, 4, 1, 0; 1999 RZ₂₅₁, 5, 1, 0; 1999 RA₂₅₂, 4, 1, 0; 1999 RB₂₅₂, 4, 1, 0; 1999 RH₂₅₂, 5, 1, 0; 1999 RK₂₅₂, 3, 1, 0; 1999 RL₂₅₂, 8, 2, 42; 1999 RO₂₅₂, 12, 2, 10; 1999 RP₂₅₂, 19, 3, 32; 1999 RQ₂₅₂, 5, 1, 0; 1999 RV₂₅₂, 4, 1, 0; 1999 RS₂₅₂, 4, 1, 0; 1999 RT₂₅₂, 4, 1, 0; 1999 RV₂₅₂, 4, 1, 0; 1999 RW₂₅₂, 5, 1, 0; 1999 RX₂₅₂, 5, 1, 0; 1999 RY₂₅₂, 5, 1, 0; 1999 RZ₂₅₂, 5, 1, 0; 1999 RA₂₅₃, 5, 1, 0; 1999 RB₂₅₃, 8, 2, 32; 1999 RC₂₅₃, 5, 1, 0; 1999 RD₂₅₃, 3, 1, 0; 1999 RE₂₅₃, 3, 1, 0; 1999 RF₂₅₃, 4, 1, 0; 1999 RP₂₅₃, 4, 1, 0; 1999 RQ₂₅₃, 3, 1, 0; 1999 RR₂₅₃, 3, 1, 0; 1999 RV₂₅₃, 5, 1, 0; 1999 RW₂₅₃, 5, 1, 0; 1999 RX₂₅₃, 4, 1, 0; 1999 SV₁, 14, 3, 32; 1999 SY₁, 15, 3, 114; 1999 SV₃, 4, 1, 0; 1999 SV₄, 4, 1, 0; 1999 ST₅, 4, 1, 0; 1999 SA₆, 10, 2, 80; 1999 SF₆, 9, 2, 10; 1999 SS₆, 4, 1, 0; 1999 SV₆, 5, 1, 0; 1999 SJ₇, 9, 2, 33; 1999 SM₇, 8, 2, 8; 1999 SN₇, 4, 1, 0; 1999 SY₇, 5, 1, 0; 1999 SA₈, 5, 1, 0; 1999 SH₈, 8, 2, 60; 1999 SP₈, 5, 1, 0; 1999 ST₈, 8, 2, 29; 1999 SY₈, 10, 2, 60; 1999 SJ₉, 5, 1, 0; 1999 SM₁₀, 8, 2, 20; 1999 SN₁₀, 8, 2, 19; 1999 SO₁₀, 9, 2, 1; 1999 SA₁₁, 4, 1, 0; 1999 SC₁₁, 5, 1, 0; 1999 SG₁₁, 10, 2, 35; 1999 SL₁₁, 5, 1, 0; 1999 SO₁₁, 13, 3, 24; 1999 SB₁₂, 4, 1, 0; 1999 SK₁₂, 3, 1, 0; 1999 SL₁₂, 4, 1, 0; 1999 SV₁₂, 10, 2, 80; 1999 SY₁₂, 13, 3, 119; 1999 SD₁₃, 9, 2, 484; 1999 SM₁₃, 9, 2, 137; 1999 SU₁₃, 5, 1, 0; 1999 SZ₁₃, 10, 2, 42; 1999 SC₁₄, 12, 3, 38; 1999 SE₁₄, 5, 1, 0; 1999 SH₁₄, 14, 3, 88; 1999 SM₁₄, 8, 2, 56; 1999 SP₁₄, 8, 2, 38; 1999 SA₁₅, 5, 1, 0; 1999 SB₁₅, 10, 2, 22; 1999 SN₁₅, 4, 1, 0; 1999 SO₁₅, 9, 2, 33; 1999 SV₁₅, 4, 1, 0; 1999 SW₁₅, 3, 1, 0; 1999 SD₁₆, 8, 2, 58; 1999 SG₁₆, 8, 2, 41; 1999 SH₁₆, 17, 4, 81; 1999 ST₁₆, 14, 2, 32; 1999 SZ₁₆, 15, 3, 538; 1999 SG₁₇, 5, 1, 0; 1999 SH₁₇, 10, 2, 58; 1999 SH₁₇, 10, 2, 509; 1999 SP₁₇, 5, 1, 0; 1999 SR₁₇, 7, 2, 85; 1999 SU₁₇, 8, 2, 58; 1999 SD₁₈, 13, 2, 58; 1999 SN₁₈, 21, 4, 593; 1999 SO₁₈, 4, 1, 0; 1999 SP₁₈, 3, 1, 0; 1999 SR₁₈, 17, 4, 80; 1999 SS₁₈, 10, 2, 32; 1999 SU₁₈, 10, 2, 32; 1999 SH₁₉, 8, 2, 21; 1999 SL₁₉, 5, 1, 0; 1999 SO₁₉, 13, 3, 81; 1999 SQ₁₉, 4, 1, 0; 1999 ST₁₉, 14, 3, 92; 1999 SU₁₉, 5, 1, 0; 1999 SF₂₀, 20, 4, 118; 1999 SN₂₀, 10, 2, 32; 1999 SQ₂₀, 8, 2, 55; 1999 SA₂₁, 5, 1, 0; 1999 SP₂₁, 4, 1, 0; 1999 SQ₂₁, 4, 1, 0; 1999 ST₂₁, 3, 1, 0; 1999 SU₂₁, 4, 1, 0; 1999 SC₂₂, 3, 1, 0; 1999 SD₂₂, 5, 1, 0; 1999 SE₂₂, 5, 1, 0; 1999 SH₂₂, 13, 3, 38; 1999 SJ₂₂, 5, 1, 0; 1999 SL₂₂, 9, 2, 7; 1999 SM₂₂, 4, 1, 0; 1999 SO₂₂, 4, 1, 0; 1999 SP₂₂, 4, 1, 0; 1999 SQ₂₂, 5, 1, 0; 1999 SS₂₂, 7, 2, 7; 1999 SU₂₂, 5, 1, 0; 1999 SA₂₃, 5, 1, 0; 1999 SB₂₃, 5, 1, 0; 1999 SC₂₃, 10, 2, 8; 1999 SD₂₃, 3, 1, 0; 1999 SE₂₃, 11, 3, 25; 1999 SH₂₃, 5, 1, 0; 1999 SJ₂₃, 8, 2, 8; 1999 SK₂₃, 18, 4, 55; 1999 SN₂₃, 8, 2, 31; 1999 SV₂₃, 10, 2, 8; 1999 SW₂₃, 10, 2, 8; 1999 SX₂₃, 6, 2, 8; 1999 SA₂₄, 3, 1, 0; 1999 SB₂₄, 12, 3, 32; 1999 SC₂₄, 4, 1, 0; 1999 SD₂₄, 4, 1, 0; 1999 SF₂₄, 5, 1, 0; 1999 SG₂₄, 5, 1, 0; 1999 SH₂₄, 5, 1, 0; 1999 SJ₂₄, 3, 1, 0; 1999 SK₂₄, 5, 1, 0; 1999 SL₂₄, 4, 1, 0; 1999 SM₂₄, 5, 1, 0; 1999 SN₂₄, 5, 1, 0; 1999 SO₂₄, 3, 1, 0; 1999 SP₂₄, 4, 1, 0; 1999 SQ₂₄, 5, 1, 0; 1999 SR₂₄, 4, 1, 0; 1999 ST₂₄, 3, 1, 0; 1999 SU₂₄, 5, 1, 0; 1999 SV₂₄, 5, 1, 0; 1999 SX₂₄, 4, 1, 0; 1999 SY₂₄, 4, 1, 0; 1999 SZ₂₄, 5, 1, 0; 1999 SA₂₅, 4, 1, 0; 1999 SB₂₅, 4, 1, 0; 1999 SC₂₅, 4, 1, 0; 1999 SD₂₅, 5, 1, 0; 1999 SE₂₅, 4, 1, 0; 1999 SF₂₅, 12, 3, 35; 1999 SG₂₅, 5, 1, 0; 1999 SH₂₅, 5, 1, 0; 1999 SJ₂₅, 3, 1, 0; 1999 SK₂₅, 3, 1, 0; 1999 SL₂₅, 4, 1, 0; 1999 SO₂₅, 5, 1, 0; 1999 SP₂₅, 8, 2, 5; 1999 SS₂₅, 4, 1, 0; 1999 ST₂₅, 5, 1, 0; 1999 SU₂₅, 5, 1, 0; 1999 SV₂₅, 5, 1, 0; 1999 SW₂₅, 5, 1, 0; 1999 SX₂₅, 19, 4, 89; 1999 SZ₂₅, 5, 1, 0; 1999 SA₂₆, 5, 1, 0; 1999 SB₂₆, 5, 1, 0; 1999 SC₂₆, 3, 1, 0; 1999 SD₂₆, 5, 1, 0; 1999 SE₂₆, 3, 1, 0; 1999 SF₂₆, 3, 1, 0; 1999 SG₂₆, 5, 1, 0; 1999 SH₂₆, 5, 1, 0; 1999 SJ₂₆, 5, 1, 0; 1999 SK₂₆, 5, 1, 0; 1999 SL₂₆, 5, 1, 0; 1999 SM₂₆, 4, 1, 0; 1999 SN₂₆, 5, 1, 0; 1999 SO₂₆, 7, 2, 17; 1999 SP₂₆, 3, 1, 0; 1999 SR₂₆, 4, 1, 0; 1999 SS₂₆, 5, 1, 0; 1999 ST₂₆, 5, 1, 0; 1999 SV₂₆, 5, 1, 0; 1999 SW₂₆, 4, 1, 0; 1999 SX₂₆, 3, 1, 0; 1999 SY₂₆, 5, 1, 0; 1999 SZ₂₆, 9, 2, 9; 1999 TM₂, 6, 2, 41; 1999 TX

1, 0; 1999 TG₉₄, 4, 1, 0; 1999 TR₉₄, 4, 1, 0; 1999 TO₉₅, 9, 2, 54; 1999 TQ₉₅, 5, 1, 0; 1999 TY₉₅, 13, 3, 505; 1999 TH₉₆, 8, 2, 54; 1999 TL₉₆, 5, 1, 0; 1999 TQ₉₆, 5, 1, 0; 1999 TX₉₆, 5, 1, 0; 1999 TE₉₇, 4, 1, 0; 1999 TO₉₇, 9, 2, 54; 1999 TB₉₈, 13, 3, 118; 1999 TE₉₈, 10, 2, 117; 1999 TG₉₈, 13, 3, 117; 1999 TJ₉₈, 8, 2, 116; 1999 TM₉₈, 5, 1, 0; 1999 TN₉₈, 5, 1, 0; 1999 TP₉₈, 4, 1, 0; 1999 TT₉₈, 5, 1, 0; 1999 TX₉₈, 4, 1, 0; 1999 TA₉₉, 4, 1, 0; 1999 TG₉₉, 5, 1, 0; 1999 TK₉₉, 11, 3, 79; 1999 TL₉₉, 17, 4, 117; 1999 TO₉₉, 19, 4, 117; 1999 TL₁₀₀, 3, 1, 0; 1999 TN₁₀₀, 5, 1, 0; 1999 TO₁₀₀, 5, 1, 0; 1999 TS₁₀₀, 4, 1, 0; 1999 TZ₁₀₀, 4, 1, 0; 1999 TD₁₀₁, 20, 4, 510; 1999 TH₁₀₁, 9, 2, 38; 1999 TM₁₀₁, 10, 2, 55; 1999 TU₁₀₁, 9, 2, 54; 1999 TA₁₀₂, 13, 3, 116; 1999 TC₁₀₂, 8, 2, 37; 1999 TE₁₀₂, 13, 3, 79; 1999 TH₁₀₂, 9, 2, 6; 1999 TK₁₀₂, 11, 3, 40; 1999 TO₁₀₂, 20, 5, 145; 1999 TY₁₀₂, 9, 2, 64; 1999 TC₁₀₃, 5, 1, 0; 1999 TE₁₀₃, 14, 3, 62; 1999 TF₁₀₃, 7, 2, 24; 1999 TG₁₀₃, 13, 3, 30; 1999 TK₁₀₃, 9, 2, 15; 1999 TX₁₀₃, 15, 3, 26; 1999 TE₁₀₄, 9, 2, 14; 1999 TL₁₀₄, 4, 1, 0; 1999 TT₁₀₄, 5, 1, 0; 1999 TC₁₀₅, 4, 1, 0; 1999 TE₁₀₅, 9, 2, 15; 1999 TG₁₀₅, 9, 2, 29; 1999 TO₁₀₅, 8, 2, 28; 1999 TT₁₀₅, 5, 1, 0; 1999 TU₁₀₅, 5, 1, 0; 1999 TW₁₀₅, 5, 1, 0; 1999 TX₁₀₅, 24, 5, 137; 1999 TG₁₀₆, 4, 1, 0; 1999 TJ₁₀₆, 4, 1, 0; 1999 TK₁₀₆, 3, 1, 0; 1999 TL₁₀₆, 3, 1, 0; 1999 TN₁₀₆, 9, 2, 86; 1999 TP₁₀₆, 13, 3, 66; 1999 TE₁₀₇, 17, 4, 136; 1999 TM₁₀₇, 4, 1, 0; 1999 TQ₁₀₇, 3, 1, 0; 1999 TH₁₀₈, 5, 1, 0; 1999 TZ₁₀₈, 8, 2, 30; 1999 TC₁₀₉, 3, 1, 0; 1999 TG₁₀₉, 9, 2, 31; 1999 TH₁₀₉, 8, 2, 30; 1999 TM₁₀₉, 4, 1, 0; 1999 TU₁₀₉, 5, 1, 0; 1999 TV₁₀₉, 5, 1, 0; 1999 TG₁₁₀, 4, 1, 0; 1999 TL₁₁₀, 5, 1, 0; 1999 TP₁₁₀, 3, 1, 0; 1999 TR₁₁₀, 5, 1, 0; 1999 TS₁₁₀, 4, 1, 0; 1999 TD₁₁₁, 5, 1, 0; 1999 TE₁₁₁, 5, 1, 0; 1999 TH₁₁₁, 8, 2, 10; 1999 TT₁₁₁, 5, 1, 0; 1999 TA₁₁₂, 15, 4, 137; 1999 TF₁₁₂, 8, 2, 471; 1999 TG₁₁₂, 5, 1, 0; 1999 TM₁₁₂, 5, 1, 0; 1999 TD₁₁₃, 8, 2, 135; 1999 TP₁₁₃, 4, 1, 0; 1999 TE₁₁₅, 5, 1, 0; 1999 TH₁₁₅, 4, 1, 0; 1999 TM₁₁₆, 9, 2, 28; 1999 TO₁₁₆, 10, 2, 170; 1999 TS₁₁₇, 4, 1, 0; 1999 TU₁₁₇, 4, 1, 0; 1999 TG₁₁₈, 11, 3, 593; 1999 TK₁₁₈, 10, 2, 24; 1999 TK₁₁₉, 4, 1, 0; 1999 TV₁₁₉, 5, 1, 0; 1999 TB₁₂₀, 5, 1, 0; 1999 TL₁₂₂, 4, 1, 0; 1999 TL₁₂₃, 8, 2, 30; 1999 TV₁₂₃, 3, 1, 0; 1999 TO₁₂₄, 5, 1, 0; 1999 TU₁₂₅, 4, 1, 0; 1999 TX₁₂₅, 4, 1, 0; 1999 TJ₁₂₆, 3, 1, 0; 1999 TQ₁₂₆, 12, 3, 22; 1999 TV₁₂₆, 3, 1, 0; 1999 TM₁₂₇, 5, 1, 0; 1999 TJ₁₂₈, 4, 1, 0; 1999 TO₁₂₈, 5, 1, 0; 1999 TE₁₂₉, 4, 1, 0; 1999 TJ₁₂₉, 6, 2, 31; 1999 TS₁₂₉, 5, 1, 0; 1999 TY₁₂₉, 5, 1, 0; 1999 TZ₁₂₉, 5, 1, 0; 1999 TV₁₃₀, 3, 1, 0; 1999 TR₁₃₁, 3, 1, 0; 1999 TV₁₃₁, 3, 1, 0; 1999 TB₁₃₂, 3, 1, 0; 1999 TD₁₃₂, 3, 1, 0; 1999 TZ₁₃₃, 4, 1, 0; 1999 TT₁₃₄, 4, 1, 0; 1999 TH₁₃₇, 5, 1, 0; 1999 TY₁₃₉, 5, 1, 0; 1999 TA₁₄₀, 9, 2, 28; 1999 TH₁₄₁, 4, 1, 0; 1999 TK₁₄₁, 12, 3, 30; 1999 TW₁₄₁, 3, 1, 0; 1999 TV₁₄₁, 3, 1, 0; 1999 TN₁₄₂, 9, 2, 60; 1999 TO₁₄₂, 14, 3, 550; 1999 TS₁₄₂, 5, 1, 0; 1999 TC₁₄₃, 5, 1, 0; 1999 TQ₁₄₃, 3, 1, 0; 1999 TR₁₄₃, 12, 3, 32; 1999 TY₁₄₃, 3, 1, 0; 1999 TB₁₄₄, 15, 2, 41; 1999 TE₁₄₄, 10, 2, 7; 1999 TH₁₄₄, 10, 2, 7; 1999 TQ₁₄₄, 4, 1, 0; 1999 TS₁₄₄, 14, 3, 12; 1999 TX₁₄₅, 8, 2, 84; 1999 TE₁₄₇, 5, 1, 0; 1999 TP₁₄₇, 4, 1, 0; 1999 TB₁₄₈, 4, 1, 0; 1999 TV₁₄₈, 4, 1, 0; 1999 TJ₁₄₉, 4, 1, 0; 1999 TV₁₅₀, 4, 1, 0; 1999 TB₁₅₁, 4, 1, 0; 1999 TJ₁₅₁, 5, 1, 0; 1999 TS₁₅₁, 4, 1, 0; 1999 TH₁₅₂, 3, 1, 0; 1999 TJ₁₅₂, 3, 1, 0; 1999 TK₁₅₂, 9, 2, 21; 1999 TC₁₅₄, 3, 1, 0; 1999 TU₁₅₄, 5, 1, 0; 1999 TG₁₅₆, 13, 3, 46; 1999 TP₁₅₆, 5, 1, 0; 1999 TW₁₅₆, 5, 1, 0; 1999 TQ₁₅₇, 3, 1, 0; 1999 TW₁₅₇, 4, 1, 0; 1999 TK₁₅₈, 8, 2, 12; 1999 TL₁₅₈, 3, 1, 0; 1999 TR₁₅₈, 7, 2, 49; 1999 TA₁₅₉, 3, 1, 0; 1999 TR₁₅₉, 4, 1, 0; 1999 TL₁₆₀, 5, 1, 0; 1999 TR₁₆₁, 3, 1, 0; 1999 TU₁₆₂, 5, 1, 0; 1999 TS₁₆₃, 10, 2, 25; 1999 TZ₁₆₃, 3, 1, 0; 1999 TG₁₆₄, 10, 2, 17; 1999 TA₁₆₆, 4, 1, 0; 1999 TR₁₆₆, 5, 1, 0; 1999 TS₁₆₆, 4, 1, 0; 1999 TV₁₆₇, 4, 1, 0; 1999 TU₁₆₈, 4, 1, 0; 1999 TL₁₇₀, 5, 1, 0; 1999 TP₁₇₁, 5, 1, 0; 1999 TV₁₇₁, 8, 2, 17; 1999 TE₁₇₂, 4, 1, 0; 1999 TK₁₇₂, 9, 2, 12; 1999 TQ₁₇₂, 5, 1, 0; 1999 TB₁₇₃, 5, 1, 0; 1999 TL₁₇₃, 4, 1, 0; 1999 TE₁₇₄, 5, 1, 0; 1999 TV₁₇₄, 4, 1, 0; 1999 TN₁₇₅, 5, 1, 0; 1999 TS₁₇₅, 3, 1, 0; 1999 TT₁₇₅, 4, 1, 0; 1999 TS₁₇₇, 5, 1, 0; 1999 TZ₁₇₇, 8, 2, 20; 1999 TB₁₇₈, 5, 1, 0; 1999 TC₁₇₈, 4, 1, 0; 1999 TD₁₇₈, 11, 3, 54; 1999 TN₁₇₈, 5, 1, 0; 1999 TS₁₇₈, 9, 2, 15; 1999 TW₁₇₈, 3, 1, 0; 1999 TX₁₇₈, 3, 1, 0; 1999 TK₁₇₉, 4, 1, 0; 1999 TL₁₇₉, 5, 1, 0; 1999 TP₁₇₉, 8, 1, 0; 1999 TT₁₈₀, 5, 1, 0; 1999 TX₁₈₀, 4, 1, 0; 1999 TD₁₈₁, 5, 1, 0; 1999 TX₁₈₃, 3, 1, 0; 1999 TE₁₈₄, 5, 1, 0; 1999 TU₁₈₄, 5, 1, 0; 1999 TZ₁₈₄, 4, 1, 0; 1999 TK₁₈₅, 4, 1, 0; 1999 TP₁₈₅, 5, 1, 0; 1999 TW₁₈₅, 5, 1, 0; 1999 TY₁₈₅, 7, 2, 46; 1999 TZ₁₈₅, 4, 1, 0; 1999 TA₁₈₆, 7, 2, 56; 1999 TE₁₈₆, 10, 2, 31; 1999 TM₁₈₆, 4, 1, 0; 1999 TR₁₈₆, 14, 3, 91; 1999 TB₁₈₇, 10, 2, 56; 1999 TC₁₈₇, 7, 2, 56; 1999 TF₁₈₇, 4, 1, 0; 1999 TH₁₈₇, 5, 1, 0; 1999 TP₁₈₇, 5, 1, 0; 1999 TR₁₈₇, 5, 1, 0; 1999 TC₁₈₈, 13, 3, 52; 1999 TV₁₈₈, 4, 1, 0; 1999 TX₁₈₈, 5, 1, 0; 1999 TD₁₈₉, 4, 1, 0; 1999 TG₁₈₉, 4, 1, 0; 1999 TP₁₈₉, 5, 1, 0; 1999 TU₁₈₉, 4, 1, 0; 1999 TZ₁₈₉, 9, 2, 64; 1999 TD₁₉₀, 4, 1, 0; 1999 TF₁₉₀, 5, 1, 0; 1999 TQ₁₉₀, 8, 2, 56; 1999 TR₁₉₀, 3, 1, 0; 1999 TZ₁₉₀, 4, 1, 0; 1999 TF₁₉₁, 4, 1, 0; 1999 TG₁₉₁, 5, 1, 0; 1999 TJ₁₉₁, 5, 1, 0; 1999 TK₁₉₁, 8, 2, 29; 1999 TL₁₉₁, 3, 1, 0; 1999 TM₁₉₁, 8, 2, 62; 1999 TR₁₉₁, 3, 1, 0; 1999 TV₁₉₁, 3, 1, 0; 1999 TA₁₉₂, 3, 1, 0; 1999 TB₁₉₂, 4, 1, 0; 1999 TD₁₉₂, 24, 5, 93; 1999 TL₁₉₂, 5, 1, 0; 1999 TO₁₉₂, 3, 1, 0; 1999 TU₁₉₂, 4, 1, 0; 1999 TA₁₉₃, 4, 1, 0; 1999 TB₁₉₃, 5, 1, 0; 1999 TF₁₉₃, 5, 1, 0; 1999 TH₁₉₃, 5, 1, 0; 1999 TN₁₉₃, 3, 1, 0; 1999 TS₁₉₃, 8, 2, 35; 1999 TZ₁₉₃, 4, 1, 0; 1999 TA₁₉₄, 4, 1, 0; 1999 TB₁₉₄, 5, 1, 0; 1999 TE₁₉₄, 4, 1, 0; 1999 TF₁₉₄, 3, 1, 0; 1999 TN₁₉₄, 4, 1, 0; 1999 TT₁₉₄, 4, 1, 0; 1999 TX₁₉₄, 4, 1, 0; 1999 TY₁₉₄, 3, 1, 0; 1999 TC₁₉₅, 3, 1, 0; 1999 TK₁₉₅, 9, 2, 35; 1999 TN₁₉₅, 4, 1, 0; 1999 TP₁₉₅, 5, 1, 0; 1999 TR₁₉₅, 5, 1, 0; 1999 TU₁₉₅, 13, 3, 64; 1999 TZ₁₉₅, 3, 1, 0; 1999 TC₁₉₆, 13, 3, 63; 1999 TD₁₉₆, 14, 3, 63; 1999 TH₁₉₆, 3, 1, 0; 1999 TJ₁₉₆, 5, 1, 0; 1999 TM₁₉₆, 4, 1, 0; 1999 TN₁₉₆, 3, 1, 0; 1999 TP₁₉₆, 14, 3, 62; 1999 TS₁₉₆, 8, 2, 41; 1999 TW₁₉₆, 4, 1, 0; 1999 TZ₁₉₆, 13, 3, 62; 1999 TC₁₉₇, 11, 3, 63; 1999 TG₁₉₇, 9, 2, 22; 1999 TH₁₉₇, 3, 1, 0; 1999 TK₁₉₇, 8, 2, 561; 1999 TL₁₉₇, 4, 1, 0; 1999 TP₁₉₇, 13, 3, 52; 1999 TZ₁₉₇, 5, 1, 0; 1999 TB₁₉₈, 4, 1, 0; 1999 TE₁₉₈, 9, 2, 52; 1999 TH₁₉₈, 10, 2, 40; 1999 TO₁₉₈, 9, 2, 529; 1999 TR₁₉₈, 9, 2, 21; 1999 TS₁₉₈, 8, 2, 21; 1999 TU₁₉₈, 17,

4, 49; 1999 TF₁₉₉, 5, 1, 0; 1999 TG₁₉₉, 10, 2, 35; 1999 TR₁₉₉, 3, 1, 0; 1999 TP₂₀₀, 9, 2, 58; 1999 TT₂₀₀, 5, 1, 0; 1999 TW₂₀₀, 16, 4, 140; 1999 TA₂₀₁, 4, 1, 0; 1999 TA₂₀₄, 5, 1, 0; 1999 TF₂₀₄: 10, 2, 33; 1999 TG₂₀₄, 4, 1, 0; 1999 TL₂₀₄, 5, 1, 0; 1999 TO₂₀₄, 4, 1, 0; 1999 TB₂₀₅, 5, 1, 0; 1999 TJ₂₀₅, 8, 2, 44; 1999 TR₂₀₅, 5, 1, 0; 1999 TS₂₀₅, 4, 1, 0; 1999 TZ₂₀₅, 3, 1, 0; 1999 TJ₂₀₆: 10, 2, 48; 1999 TM₂₀₆: 10, 2, 19; 1999 TH₂₀₇: 9, 2, 35; 1999 TQ₂₀₇: 4, 1, 0; 1999 TB₂₀₈: 5, 1, 0; 1999 TL₂₀₈: 4, 1, 0; 1999 TA₂₀₉: 4, 1, 0; 1999 TV₂₀₉: 3, 1, 0; 1999 TZ₂₀₉: 10, 2, 21; 1999 TK₂₁₀: 8, 2, 20; 1999 TU₂₁₀: 23, 5, 124; 1999 TB₂₁₁: 5, 1, 0; 1999 TF₂₁₁: 5, 1, 0; 1999 TG₂₁₁: 5, 1, 0; 1999 TN₂₁₁: 3, 1, 0; 1999 TT₂₁₁: 15, 4, 93; 1999 TU₂₁₁: 3, 1, 0; 1999 TL₂₁₃: 11, 3, 59; 1999 TO₂₁₃: 3, 1, 0; 1999 TU₂₁₃: 5, 1, 0; 1999 TG₂₁₄: 4, 1, 0; 1999 TJ₂₁₄: 4, 1, 0; 1999 TF₂₁₆: 5, 1, 0; 1999 TL₂₁₆: 4, 1, 0; 1999 TB₂₁₇: 9, 2, 39; 1999 TP₂₁₇: 23, 5, 626; 1999 TD₂₁₈: 8, 2, 4; 1999 TH₂₁₈: 5, 1, 0; 1999 TM₂₁₈: 4, 1, 0; 1999 TG₂₁₉: 5, 1, 0; 1999 TK₂₁₉: 3, 1, 0; 1999 TR₂₁₉: 8, 2, 14; 1999 TN₂₁₉: 9, 2, 47; 1999 TO₂₁₉: 8, 2, 47; 1999 TQ₂₁₉: 8, 2, 11; 1999 TR₂₁₉: 8, 2, 14; 1999 TT₂₁₉: 3, 1, 0; 1999 TV₂₁₉: 5, 1, 0; 1999 TD₂₂₀: 12, 3, 48; 1999 TH₂₂₀: 4, 1, 0; 1999 TL₂₂₀: 8, 2, 508; 1999 TO₂₂₀: 12, 3, 48; 1999 TP₂₂₀: 5, 1, 0; 1999 TR₂₂₀: 8, 2, 21; 1999 TW₂₂₀: 9, 2, 64; 1999 TD₂₂₁: 4, 1, 0; 1999 TE₂₂₁: 3, 1, 0; 1999 TM₂₂₁: 3, 1, 0; 1999 TP₂₂₁: 3, 1, 0; 1999 TR₂₂₁: 5, 1, 0; 1999 TS₂₂₁: 4, 1, 0; 1999 TV₂₂₁: 7, 2, 56; 1999 TH₂₂₂: 4, 1, 0; 1999 TJ₂₂₂: 22, 3, 88; 1999 TY₂₂₂: 13, 3, 79; 1999 TJ₂₂₃: 4, 1, 0; 1999 TL₂₂₃: 10, 2, 446; 1999 TM₂₂₃: 4, 1, 0; 1999 TP₂₂₃: 8, 2, 54; 1999 TQ₂₂₃: 5, 1, 0; 1999 TW₂₂₃: 8, 2, 35; 1999 TC₂₂₄: 5, 1, 0; 1999 TA₂₂₇: 14, 3, 38; 1999 TD₂₂₇: 6, 2, 24; 1999 TE₂₂₇: 7, 2, 27; 1999 TG₂₂₇: 22, 5, 66; 1999 TG₂₂₈: 4, 1, 0; 1999 TH₂₂₈: 5, 1, 0; 1999 TG₂₂₉: 4, 1, 0; 1999 TR₂₂₉: 5, 1, 0; 1999 TE₂₃₀: 9, 2, 54; 1999 TK₂₃₀: 22, 5, 101; 1999 TR₂₃₀: 24, 5, 137; 1999 TS₂₃₀: 5, 1, 0; 1999 TT₂₃₀: 5, 1, 0; 1999 TV₂₃₀: 4, 1, 0; 1999 TU₂₃₀: 5, 1, 0; 1999 TB₂₃₂: 8, 2, 79; 1999 TC₂₃₂: 5, 1, 0; 1999 TB₂₃₃: 5, 1, 0; 1999 TV₂₃₃: 4, 1, 0; 1999 TH₂₃₃: 13, 3, 104; 1999 TJ₂₃₃: 3, 1, 0; 1999 TN₂₃₃: 5, 1, 0; 1999 TT₂₃₃: 7, 2, 42; 1999 TV₂₃₃: 4, 1, 0; 1999 TD₂₃₄: 4, 1, 0; 1999 TE₂₃₄: 10, 2, 10; 1999 TK₂₃₄: 3, 1, 0; 1999 TV₂₃₄: 3, 1, 0; 1999 TL₂₃₅: 3, 1, 0; 1999 TO₂₃₆: 14, 3, 38; 1999 TR₂₃₆: 10, 2, 17; 1999 TS₂₃₆: 18, 4, 78; 1999 TT₂₃₆: 13, 3, 78; 1999 TX₂₃₆: 10, 2, 33; 1999 TC₂₃₇: 15, 3, 47; 1999 TE₂₃₇: 15, 3, 81; 1999 TO₂₃₈: 4, 1, 0; 1999 TA₂₃₉: 4, 1, 0; 1999 TC₂₄₁: 4, 1, 0; 1999 TE₂₄₁: 6, 2, 1; 1999 TB₂₄₂: 9, 2, 11; 1999 TJ₂₄₂: 15, 3, 33; 1999 TK₂₄₂: 14, 3, 61; 1999 TM₂₄₂: 8, 2, 45; 1999 TO₂₄₂: 5, 1, 0; 1999 TP₂₄₂: 14, 3, 56; 1999 TZ₂₄₂: 13, 3, 56; 1999 TA₂₄₃: 10, 2, 39; 1999 TS₂₄₃: 15, 3, 94; 1999 TC₂₄₄: 3, 1, 0; 1999 TW₂₄₄: 3, 1, 0; 1999 TE₂₄₅: 21, 4, 65; 1999 TN₂₄₅: 5, 1, 0; 1999 TX₂₄₅: 3, 1, 0; 1999 TA₂₄₆: 4, 1, 0; 1999 TB₂₄₆: 19, 4, 81; 1999 TC₂₄₆: 23, 5, 78; 1999 TE₂₄₆: 5, 1, 0; 1999 TF₂₄₆: 25, 5, 78; 1999 TG₂₄₆: 9, 2, 49; 1999 TR₂₄₆: 3, 1, 0; 1999 TE₂₄₇: 5, 1, 0; 1999 TJ₂₄₇: 5, 1, 0; 1999 TM₂₄₇: 3, 1, 0; 1999 TN₂₄₇: 14, 3, 46; 1999 TO₂₄₇: 22, 4, 55; 1999 TR₂₄₇: 18, 4, 55; 1999 TW₂₄₇: 18, 4, 79; 1999 TV₂₄₇: 14, 3, 77; 1999 TZ₂₄₇: 12, 3, 445; 1999 TD₂₄₈: 17, 4, 55; 1999 TE₂₄₈: 7, 2, 30; 1999 TF₂₄₈: 8, 2, 16; 1999 TO₂₄₈: 3, 1, 0; 1999 TQ₂₄₈: 28, 6, 442; 1999 TT₂₄₈: 23, 5, 1033; 1999 TU₂₄₈: 16, 4, 55; 1999 TW₂₄₈: 18, 4, 56; 1999 TZ₂₄₈: 12, 3, 62; 1999 TA₂₄₉: 32, 7, 593; 1999 TB₂₄₉: 14, 3, 93; 1999 TK₂₄₉: 5, 1, 0; 1999 TX₂₄₉: 4, 1, 0; 1999 TV₂₅₀: 5, 1, 0; 1999 TY₂₅₀: 13, 3, 121; 1999 TH₂₅₁: 5, 1, 0; 1999 TM₂₅₁: 4, 1, 0; 1999 TV₂₅₁: 4, 1, 0; 1999 TQ₂₅₂: 5, 1, 0; 1999 TJ₂₅₃: 9, 2, 32; 1999 TR₂₅₃: 5, 1, 0; 1999 TY₂₅₃: 3, 1, 0; 1999 TZ₂₅₃: 8, 2, 57; 1999 TN₂₅₄: 7, 2, 26; 1999 TO₂₅₄: 5, 1, 0; 1999 TQ₂₅₄: 11, 3, 79; 1999 TR₂₅₄: 7, 2, 55; 1999 TC₂₅₆: 9, 2, 7; 1999 TD₂₅₆: 3, 1, 0; 1999 TJ₂₅₆: 5, 1, 0; 1999 TM₂₅₈: 3, 1, 0; 1999 TR₂₅₈: 4, 1, 0; 1999 TV₂₅₈: 5, 1, 0; 1999 TW₂₅₈: 4, 1, 0; 1999 TM₂₅₉: 4, 1, 0; 1999 TB₂₆₀: 8, 2, 113; 1999 TC₂₆₀: 5, 1, 0; 1999 TF₂₆₀: 5, 1, 0; 1999 TU₂₆₀: 15, 3, 93; 1999 TV₂₆₀: 5, 1, 0; 1999 TE₂₆₁: 3, 1, 0; 1999 TN₂₆₂: 5, 1, 0; 1999 TQ₂₆₂: 3, 1, 0; 1999 TR₂₆₂: 14, 3, 93; 1999 TS₂₆₂: 15, 3, 52; 1999 TT₂₆₂: 3, 1, 0; 1999 TA₂₆₃: 5, 1, 0; 1999 TJ_{263</}

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1999 WC₂₆, 4, 1, 0; 1999 WD₂₆, 4, 1, 0; 1999 WE₂₆, 4, 1, 0; 1999 WF₂₆, 3, 1, 0; 1999 WG₂₆, 3, 1, 0; 1999 XA₁₅, 3, 30; 1999 XC₁₄, 3, 58; 1999 XB₁, 5, 1, 0; 1999 XF₁, 5, 1, 0; 1999 XB₂, 9, 2, 6; 1999 XF₂, 5, 1, 0; 1999 XV₂, 9, 2, 49; 1999 XN₃, 4, 1, 0; 1999 XT₄, 5, 1, 0; 1999 XD₆, 5, 1, 0; 1999 XZ₆, 4, 1, 0; 1999 XX₇, 10, 1, 0; 1999 XN₈, 5, 1, 0; 1999 XG₁₀, 9, 2, 82; 1999 XP₁₀, 5, 1, 0; 1999 XS₁₀, 8, 2, 10; 1999 XQ₁₁, 4, 1, 0; 1999 XR₁₁, 8, 2, 10; 1999 XC₁₂, 4, 1, 0; 1999 XK₁₂, 12, 3, 559; 1999 XQ₁₂, 5, 1, 0; 1999 XC₁₃, 5, 1, 0; 1999 XQ₁₃, 9, 2, 11; 1999 XD₁₄, 8, 2, 25; 1999 XK₁₄, 8, 2, 28; 1999 XQ₁₄, 25, 6, 168; 1999 XG₁₅, 5, 1, 0; 1999 XM₁₅, 10, 2, 477; 1999 XZ₁₇, 13, 3, 55; 1999 XK₁₈, 5, 1, 0; 1999 XO₁₈, 4, 1, 0; 1999 XB₁₉, 5, 1, 0; 1999 XQ₁₉, 14, 3, 10; 1999 XD₂₀, 10, 2, 17; 1999 XP₂₀, 9, 2, 533; 1999 XY₂₀, 4, 1, 0; 1999 XL₂₁, 8, 2, 33; 1999 XS₂₁, 8, 2, 33; 1999 XT₂₁, 4, 1, 0; 1999 XL₂₂, 4, 1, 0; 1999 XP₂₂, 9, 2, 3; 1999 XQ₂₂, 8, 2, 27; 1999 XQ₂₃, 4, 1, 0; 1999 XV₂₃, 4, 1, 0; 1999 XH₂₅, 5, 1, 0; 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1999 XL₄₅, 4, 1, 0; 1999 XM₄₅, 5, 1, 0; 1999 XK₄₇, 5, 1, 0; 1999 XM₅₂, 5, 1, 0; 1999 XN₅₃, 5, 1, 0; 1999 XX₅₃, 2, 1, 0; 1999 XA₅₄, 5, 1, 0; 1999 XX₅₄, 4, 1, 0; 1999 XB₅₆, 4, 1, 0; 1999 XE₅₇, 2, 1, 0; 1999 XK₅₇, 4, 1, 0; 1999 XS₅₇, 5, 1, 0; 1999 XG₅₈, 4, 1, 0; 1999 XR₅₉, 3, 1, 0; 1999 XO₆₀, 3, 1, 0; 1999 XQ₆₁, 4, 1, 0; 1999 XS₆₄, 10, 2, 6; 1999 XD₆₆, 10, 2, 6; 1999 XS₆₆, 9, 2, 474; 1999 XZ₆₆, 5, 1, 0; 1999 XU₆₈, 5, 1, 0; 1999 XN₆₉, 3, 1, 0; 1999 XO₆₉, 4, 1, 0; 1999 XG₇₀, 13, 3, 33; 1999 XS₇₁, 9, 2, 107; 1999 XZ₇₁, 3, 1, 0; 1999 XY₇₂, 5, 1, 0; 1999 XD₇₃, 4, 1, 0; 1999 XF₇₄, 9, 2, 1; 1999 XP₇₄, 4, 1, 0; 1999 XX₇₄, 10, 2, 58; 1999 XX₇₅, 5, 1, 0; 1999 XG₇₈, 15, 4, 58; 1999 XS₈₁, 5, 1, 0; 1999 XN₈₃, 5, 1, 0; 1999 XP₈₃, 2, 1, 0; 1999 XV₈₃, 5, 1, 0; 1999 XA₈₆, 8, 2, 2; 1999 XK₈₆, 4, 1, 0; 1999 XQ₈₆, 4, 1, 0; 1999 XU₈₉, 5, 1, 0; 1999 XD₉₁, 6, 2, 29; 1999 XK₉₁, 5, 1, 0; 1999 XO₉₁, 5, 1, 0; 1999 XS₉₁, 4, 1, 0; 1999 XV₉₁, 5, 1, 0; 1999 XA₉₂, 5, 1, 0; 1999 XE₉₃, 5, 1, 0; 1999 XW₉₃, 10, 2, 499; 1999 XN₉₅, 8, 2, 10; 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1999 XH₁₁₄, 15, 3, 80; 1999 XL₁₁₄, 16, 4, 107; 1999 XS₁₁₄, 10, 2, 60; 1999 XV₁₁₄, 5, 1, 0; 1999 XX₁₁₄, 4, 1, 0; 1999 XE₁₁₅, 14, 3, 155; 1999 XP₁₁₅, 5, 1, 0; 1999 XX₁₁₅, 10, 2, 29; 1999 XZ₁₁₅, 14, 1, 0; 1999 XC₁₁₆, 9, 2, 24; 1999 XH₁₁₆, 13, 3, 84; 1999 XR₁₁₆, 9, 2, 27; 1999 XT₁₁₆, 11, 3, 86; 1999 XG₁₁₇, 9, 2, 29; 1999 XH₁₁₇, 6, 2, 84; 1999 XQ₁₁₇, 4, 1, 0; 1999 XX₁₁₇, 3, 1, 0; 1999 XZ₁₁₇, 5, 1, 0; 1999 XB₁₁₈, 9, 2, 478; 1999 XF₁₁₈, 4, 1, 0; 1999 XM₁₁₈, 5, 1, 0; 1999 XR₁₁₈, 4, 1, 0; 1999 XC₁₁₉, 5, 1, 0; 1999 XM₁₁₉, 5, 1, 0; 1999 XQ₁₁₉, 5, 1, 0; 1999 XU₁₁₉, 9, 2, 29; 1999 XW₁₂₁, 5, 1, 0; 1999 XY₁₂₁, 4, 1, 0; 1999 XT₁₂₂, 8, 2, 58; 1999 XJ₁₂₃, 3, 1, 0; 1999 XS₁₂₃, 17, 4, 109; 1999 XY₁₂₃, 4, 1, 0; 1999 XL₁₂₄, 5, 1, 0; 1999 XN₁₂₅, 3, 1, 0; 1999 XP₁₂₅, 14, 3, 81; 1999 XJ₁₂₆, 10, 2, 13; 1999 XX₁₂₆, 5, 1, 0; 1999 XE₁₂₇, 3, 1, 0; 1999 XH₁₂₇, 5, 1, 0; 1999 XQ₁₂₇, 5, 1, 0; 1999 XR₁₂₇, 10, 2, 8; 1999 XW₁₂₇, 5, 1, 0; 1999 XV₁₃₁, 4, 2, 497; 1999 XW₁₃₂, 3, 1, 0; 1999 XU₁₃₄, 4, 1, 0; 1999 XZ₁₃₄, 3, 1, 0; 1999 XC₁₃₅, 15, 3, 53; 1999 XH₁₃₆, 13, 3, 87; 1999 XR₁₃₆, 5, 1, 0; 1999 XS₁₃₆, 4, 1, 0; 1999 XM₁₃₇, 23, 4, 65; 1999 XH₁₃₉, 4, 1, 0; 1999 XC₁₄₀, 8, 2, 25; 1999 XA₁₄₁, 5, 1, 0; 1999 XF₁₄₁, 5, 1, 0; 1999 XB₁₄₂, 4, 1, 0; 1999 XX₁₄₂, 5, 1, 0; 1999 XS₁₄₃, 15, 3, 28; 1999 XE₁₄₄, 10, 3, 471; 1999 XK₁₄₄, 14, 3, 163; 1999 XZ₁₄₄, 4, 1, 0; 1999 XA₁₄₅, 4, 1, 0; 1999 XK₁₄₅, 7, 2, 33; 1999 XN₁₄₇, 3, 1, 0; 1999 XC₁₄₈, 3, 1, 0; 1999 XK₁₄₉,

4, 1, 0; 1999 XA₁₅₀, 3, 1, 0; 1999 XH₁₅₁, 9, 2, 562; 1999 XZ₁₅₁, 8, 2, 27; 1999 XJ₁₅₂, 3, 1, 0; 1999 XL₁₅₂, 9, 2, 2; 1999 XJ₁₅₃, 9, 1, 0; 1999 XN₁₅₅, 5, 1, 0; 1999 XS₁₅₅, 4, 1, 0; 1999 XD₁₅₆, 5, 1, 0; 1999 XJ₁₅₆, 8, 2, 377; 1999 XK₁₅₆, 3, 1, 0; 1999 XU₁₅₇, 10, 2, 20; 1999 XV₁₅₇, 14, 3, 85; 1999 XB₁₅₈, 14, 3, 79; 1999 XD₁₅₈, 5, 1, 0; 1999 XN₁₅₈, 4, 1, 0; 1999 XY₁₅₈, 10, 2, 20; 1999 XP₁₅₉, 4, 1, 0; 1999 XD₁₆₀, 5, 1, 0; 1999 XH₁₆₀, 5, 1, 0; 1999 XK₁₆₀, 4, 1, 0; 1999 XF₁₆₁, 5, 1, 0; 1999 XG₁₆₁, 3, 1, 0; 1999 XJ₁₆₁, 5, 1, 0; 1999 XS₁₆₁, 3, 1, 0; 1999 XZ₁₆₁, 5, 1, 0; 1999 XB₁₆₂, 16, 4, 147; 1999 XT₁₆₂, 5, 1, 0; 1999 XV₁₆₃, 5, 1, 0; 1999 XY₁₆₃, 4, 1, 0; 1999 XF₁₆₄, 4, 1, 0; 1999 XK₁₆₄, 4, 1, 0; 1999 XN₁₆₄, 5, 1, 0; 1999 XO₁₆₄, 5, 1, 0; 1999 XP₁₆₄, 13, 3, 39; 1999 XZ₁₆₄, 10, 2, 69; 1999 XF₁₆₅, 8, 2, 28; 1999 XG₁₆₅, 10, 2, 26; 1999 XX₁₆₅, 17, 4, 62; 1999 XA₁₆₆, 14, 3, 53; 1999 XF₁₆₆, 10, 2, 21; 1999 XH₁₆₆, 8, 2, 150; 1999 XS₁₆₆, 5, 1, 0; 1999 XH₁₆₇, 8, 2, 40; 1999 XM₁₆₈, 5, 1, 0; 1999 XP₁₆₈, 8, 2, 26; 1999 XR₁₆₈, 18, 4, 108; 1999 XR₁₆₉, 10, 2, 3; 1999 XG₁₇₀, 4, 1, 0; 1999 XB₁₇₁, 4, 1, 0; 1999 XT₁₇₂, 5, 1, 0; 1999 XX₁₇₂, 4, 1, 0; 1999 XZ₁₇₂, 5, 1, 0; 1999 XE₁₇₃, 13, 3, 99; 1999 XH₁₇₃, 10, 2, 27; 1999 XK₁₇₃, 5, 1, 0; 1999 XB₁₇₄, 10, 2, 27; 1999 XD₁₇₄, 5, 1, 0; 1999 XF₁₇₄, 5, 1, 0; 1999 XB₁₇₅, 9, 2, 27; 1999 XX₁₇₅, 5, 1, 0; 1999 XS₁₇₆, 14, 3, 122; 1999 XT₁₇₆, 9, 2, 27; 1999 XZ₁₇₆, 4, 1, 0; 1999 XB₁₇₇, 10, 2, 27; 1999 XG₁₇₇, 15, 3, 85; 1999 XH₁₇₇, 5, 1, 0; 1999 XK₁₇₇, 10, 2, 25; 1999 XM₁₇₈, 4, 1, 0; 1999 XX₁₇₈, 5, 1, 0; 1999 XY₁₇₉, 5, 1, 0; 1999 XJ₁₇₉, 10, 2, 27; 1999 XG₁₇₉, 10, 2, 27; 1999 XH₁₇₉, 15, 3, 85; 1999 XJ₁₇₉, 7, 2, 32; 1999 XY₁₇₉, 5, 1, 0; 1999 XW₁₇₉, 5, 1, 0; 1999 XZ₁₇₉, 9, 2, 25; 1999 XY₁₇₉, 8, 2, 25; 1999 XA₁₈₀, 9, 2, 27; 1999 XP₁₈₀, 5, 1, 0; 1999 XR₁₈₀, 15, 4, 69; 1999 XS₁₈₀, 5, 1, 0; 1999 XU₁₈₀, 14, 3, 442; 1999 XV₁₈₀, 15, 3, 90; 1999 XC₁₈₁, 15, 3, 109; 1999 XL₁₈₁, 5, 1, 0; 1999 XN₁₈₁, 4, 1, 0; 1999 XO₁₈₁, 10, 2, 62; 1999 XY₁₈₁, 5, 1, 0; 1999 XA₁₈₃, 15, 3, 85; 1999 XH₁₈₃, 3, 1, 0; 1999 XP₁₈₃, 4, 1, 0; 1999 XQ₁₈₃, 9, 2, 17; 1999 XT₁₈₃, 9, 2, 6; 1999 XW₁₈₄, 5, 1, 0; 1999 XA₁₈₅, 9, 2, 80; 1999 XL₁₈₅, 4, 1, 0; 1999 XZ₁₈₅, 5, 1, 0; 1999 XH₁₈₆, 4, 1, 0; 1999 XC₁₈₆, 4, 1, 0; 1999 XD₁₈₆, 7, 2, 19; 1999 XZ₁₈₆, 4, 1, 0; 1999 XF₁₈₇, 6, 2, 2; 1999 XJ₁₈₇, 13, 3, 108; 1999 XQ₁₈₈, 4, 1, 0; 1999 XU₁₈₈, 10, 2, 2; 1999 XA₁₈₉, 5, 1, 0; 1999 XF₁₈₉, 4, 1, 0; 1999 XH₁₈₉, 3, 1, 0; 1999 XR₁₈₉, 8, 2, 32; 1999 XY₁₈₉, 5, 1, 0; 1999 XL₁₉₀, 16, 4, 40; 1999 XM₁₉₁, 5, 1, 0; 1999 XO₁₉₁, 5, 1, 0; 1999 XC₁₉₂, 5, 1, 0; 1999 XW₁₉₂, 9, 2, 27; 1999 XM₁₉₃, 4, 1, 0; 1999 XW₁₉₃, 8, 2, 26; 1999 XH₁₉₄, 8, 2, 27; 1999 XM₁₉₄, 4, 1, 0; 1999 XY₁₉₄, 4, 1, 0; 1999 XF₁₉₅, 8, 2, 27; 1999 XM₁₉₅, 4, 1, 0; 1999 XN₁₉₅, 4, 1, 0; 1999 XU₁₉₅, 14, 3, 85; 1999 XF₁₉₆, 3, 1, 0; 1999 XU₁₉₆, 4, 1, 0; 1999 XZ₁₉₇, 4, 1, 0; 1999 XB₁₉₈, 8, 2, 27; 1999 XC₁₉₈, 9, 2, 13; 1999 XE₂₀₀, 7, 2, 40; 1999 XF₂₀₀, 9, 2, 2; 1999 XB₂₀₁, 7, 2, 27; 1999 XC₂₀₁, 7, 1, 0; 1999 XK₂₀₂, 10, 3, 38; 1999 XM₂₀₂, 10, 1, 0; 1999 XW₂₀₂, 5, 1, 0; 1999 XY₂₀₂, 13, 2, 32; 1999 XN₂₀₃, 5, 1, 0; 1999 XH₂₀₄, 5, 1, 0; 1999 XJ₂₀₄, 4, 1, 0; 1999 XL₂₀₄, 9, 2, 27; 1999 XP₂₀₄, 8, 2, 25; 1999 XQ₂₀₄, 18, 4, 62; 1999 XS₂₀₄, 5, 1, 0; 1999 XU₂₀₄, 5, 1, 0; 1999 XV₂₀₄, 15, 3, 44; 1999 XW₂₀₄, 14, 3, 91; 1999 XC₂₀₅, 12, 3, 40; 1999 XP₂₀₅, 9, 2, 27; 1999 XO₂₀₆, 4, 1, 0; 1999 XS₂₀₆, 9, 2, 163; 1999 XV₂₀₆, 7, 2, 25; 1999 XY₂₀₆, 10, 2, 27; 1999 XW₂₀₇, 5, 1, 0; 1999 XY₂₀₇, 4, 1, 0; 1999 XJ₂₀₈, 10, 2, 18; 1999 XR₂₀₈, 5, 1, 0; 1999 XT₂₀₈, 18, 4, 107; 1999 XT₂₁₁, 10, 2, 27; 1999 XU₂₁₁, 9, 2, 26; 1999 XH₂₁₂, 12, 3, 29; 1999 XW₂₁₂, 5, 1, 0; 1999 XX₂₁₂, 7, 2, 30; 1999 XZ₂₁₂, 18, 4, 83; 1999 XD₂₁₃, 11, 3, 56; 1999 XF₂₁₃, 10, 2, 32; 1999 XG₂₁₃, 8, 2, 8; 1999 XM₂₁₃, 18, 4, 68; 1999 XN₂₁₃, 5, 1, 0; 1999 XQ₂₁₃, 5, 1, 0; 1999 XU₂₁₃, 7, 2, 30; 1999 XV₂₁₃, 5, 1, 0; 1999 XC₂₁₄, 9, 2, 33; 1999 XV₂₁₄, 14, 3, 68; 1999 XE₂₁₅, 4, 1, 0; 1999 XW₂₁₅, 22, 5, 63; 1999 XF₂₁₆, 5, 1, 0; 1999 XL₂₁₆, 5, 1, 0; 1999 XT₂₁₆, 10, 3, 39; 1999 XB₂₁₇, 12, 3, 38; 1999 XP₂₁₈, 12, 3, 55; 1999 XD₂₁₉, 7, 1, 0; 1999 XN₂₂₀, 3, 1, 0; 1999 XS₂₂₀, 9, 2, 17; 1999 XT₂₂₀, 13, 3, 57; 1999 XA

2000 AT₆₉, 13, 3, 538; 2000 AU₆₉, 21, 5, 116; 2000 AZ₆₉, 19, 4, 65; 2000 AA₇₀, 5, 1, 0; 2000 AB₇₀, 12, 3, 40; 2000 AO₇₀, 7, 2, 8; 2000 AT₇₀, 14, 3, 40; 2000 AU₇₀, 8, 2, 8; 2000 AW₇₀, 10, 2, 8; 2000 AD₇₁, 5, 1, 0; 2000 AE₇₁, 4, 1, 0; 2000 AF₇₁, 4, 1, 0; 2000 AY₇₁, 9, 2, 8; 2000 AO₇₂, 11, 3, 58; 2000 AS₇₂, 17, 4, 55; 2000 AZ₇₂, 8, 2, 8; 2000 AB₇₃, 10, 2, 8; 2000 AL₇₃, 23, 5, 115; 2000 AO₇₃, 9, 2, 8; 2000 AE₇₄, 19, 4, 89; 2000 AF₇₄, 30, 7, 135; 2000 AH₇₄, 6, 2, 8; 2000 AL₇₄, 8, 2, 484; 2000 AM₇₄, 20, 4, 65; 2000 AP₇₄, 10, 2, 8; 2000 AQ₇₄, 4, 1, 0; 2000 AS₇₄, 7, 2, 34; 2000 AX₇₄, 21, 5, 147; 2000 AD₇₅, 15, 4, 435; 2000 AK₇₅, 26, 6, 147; 2000 AO₇₅, 25, 5, 115; 2000 AQ₇₅, 30, 6, 146; 2000 AR₇₅, 13, 3, 54; 2000 AU₇₅, 4, 1, 0; 2000 AW₇₅, 7, 2, 9; 2000 AZ₇₅, 16, 3, 32; 2000 AC₇₆, 28, 6, 566; 2000 AD₇₆, 15, 3, 63; 2000 AF₇₆, 10, 2, 8; 2000 AJ₇₆, 8, 2, 8; 2000 AL₇₆, 22, 5, 145; 2000 AN₇₆, 23, 4, 975; 2000 AP₇₆, 22, 4, 78; 2000 AS₇₆, 4, 1, 0; 2000 AW₇₆, 4, 1, 0; 2000 AA₇₇, 13, 2, 48; 2000 AD₇₇, 20, 4, 593; 2000 AG₇₇, 14, 3, 87; 2000 AH₇₇, 9, 1, 0; 2000 AJ₇₇, 4, 1, 0; 2000 AK₇₇, 5, 1, 0; 2000 AG₇₈, 13, 3, 65; 2000 AJ₇₈, 4, 1, 0; 2000 AK₇₈, 4, 1, 0; 2000 AL₇₈, 5, 1, 0; 2000 AW₇₈, 15, 3, 40; 2000 AY₇₈, 5, 1, 0; 2000 AL₇₉, 3, 1, 0; 2000 AO₇₉, 12, 3, 54; 2000 AR₇₉, 24, 5, 946; 2000 AX₇₉, 10, 2, 49; 2000 AY₇₉, 5, 1, 0; 2000 AZ₇₉, 10, 1, 0; 2000 AB₈₀, 18, 4, 58; 2000 AC₈₀, 22, 6, 146; 2000 AG₈₀, 5, 1, 0; 2000 AK₈₀, 9, 1, 0; 2000 AT₈₀, 4, 1, 0; 2000 AG₈₁, 17, 4, 147; 2000 AJ₈₁, 23, 5, 146; 2000 AO₈₁, 17, 3, 486; 2000 AT₈₁, 5, 1, 0; 2000 AA₈₂, 15, 4, 59; 2000 AB₈₂, 4, 1, 0; 2000 AF₈₂, 3, 1, 0; 2000 AC₈₂, 3, 1, 0; 2000 AH₈₂, 5, 1, 0; 2000 AJ₈₂, 4, 1, 0; 2000 AK₈₂, 5, 1, 0; 2000 AP₈₂, 5, 1, 0; 2000 AR₈₂, 5, 1, 0; 2000 AA₈₃, 4, 1, 0; 2000 AB₈₃, 12, 3, 59; 2000 AS₈₃, 4, 1, 0; 2000 AX₈₃, 3, 1, 0; 2000 AY₈₃, 5, 1, 0; 2000 AP₈₄, 9, 2, 23; 2000 AB₈₅, 4, 1, 0; 2000 AR₈₅, 9, 2, 60; 2000 AM₈₆, 9, 2, 8; 2000 AY₈₆, 5, 1, 0; 2000 AM₈₇, 5, 1, 0; 2000 AV₈₇, 4, 1, 0; 2000 AW₈₇, 4, 1, 0; 2000 AA₈₈, 5, 1, 0; 2000 AB₈₈, 4, 1, 0; 2000 AM₈₈, 4, 1, 0; 2000 AP₈₈, 8, 2, 1; 2000 AG₈₉, 3, 1, 0; 2000 AR₈₉, 8, 2, 30; 2000 AV₈₉, 3, 1, 0; 2000 AW₈₉, 4, 1, 0; 2000 AX₈₉, 5, 1, 0; 2000 AA₉₀, 5, 1, 0; 2000 AQ₉₀, 5, 1, 0; 2000 AY₉₀, 5, 1, 0; 2000 AZ₉₀, 3, 1, 0; 2000 AC₉₁, 13, 3, 8; 2000 AJ₉₁, 8, 2, 8; 2000 AK₉₁, 5, 1, 0; 2000 AG₉₂, 4, 1, 0; 2000 AM₉₂, 8, 2, 19; 2000 AS₉₂, 20, 4, 83; 2000 AX₉₂, 3, 1, 0; 2000 AB₉₃, 5, 1, 0; 2000 AE₉₃, 3, 1, 0; 2000 AS₉₃, 3, 1, 0; 2000 AA₉₄, 6, 1, 0; 2000 AM₉₄, 4, 1, 0; 2000 AN₉₄, 5, 1, 0; 2000 AP₉₄, 5, 1, 0; 2000 AS₉₄, 8, 2, 5; 2000 AU₉₄, 5, 1, 0; 2000 AV₉₄, 4, 1, 0; 2000 AD₉₅, 10, 2, 2; 2000 AK₉₅, 13, 3, 413; 2000 AQ₉₅, 4, 1, 0; 2000 AX₉₅, 5, 1, 0; 2000 AY₉₆, 5, 1, 0; 2000 AZ₉₆, 10, 2, 2; 2000 AD₉₇, 8, 2, 2; 2000 AF₉₇, 9, 2, 2; 2000 AG₉₇, 5, 1, 0; 2000 AK₉₇, 9, 2, 36; 2000 AM₉₇, 4, 1, 0; 2000 AO₉₇, 2, 1, 0; 2000 AQ₉₇, 5, 1, 0; 2000 AS₉₇, 8, 2, 162; 2000 AY₉₇, 10, 2, 2; 2000 AB₉₈, 5, 1, 0; 2000 AD₉₈, 8, 2, 7; 2000 AF₉₈, 10, 2, 2; 2000 AG₉₈, 15, 3, 83; 2000 AH₉₈, 8, 2, 6; 2000 AW₉₈, 10, 2, 66; 2000 AC₉₉, 19, 4, 603; 2000 AG₉₉, 4, 1, 0; 2000 AN₉₉, 10, 2, 9; 2000 AO₉₉, 13, 3, 538; 2000 AR₉₉, 10, 2, 9; 2000 AS₉₉, 9, 2, 31; 2000 AW₉₉, 4, 1, 0; 2000 AZ₉₉, 10, 2, 9; 2000 AA₁₀₀, 4, 1, 0; 2000 AF₁₀₀, 8, 2, 9; 2000 AQ₁₀₀, 8, 2, 50; 2000 AR₁₀₀, 13, 3, 47; 2000 AT₁₀₀, 15, 3, 47; 2000 AX₁₀₀, 10, 2, 566; 2000 AY₁₀₀, 19, 4, 36; 2000 AA₁₀₁, 4, 1, 0; 2000 AC₁₀₁, 5, 1, 0; 2000 AJ₁₀₁, 18, 4, 106; 2000 AP₁₀₁, 9, 2, 1; 2000 AQ₁₀₁, 4, 1, 0; 2000 AR₁₀₁, 19, 4, 38; 2000 AT₁₀₁, 10, 2, 30; 2000 AV₁₀₁, 14, 3, 39; 2000 AW₁₀₁, 14, 3, 571; 2000 AY₁₀₁, 19, 4, 65; 2000 AB₁₀₂, 19, 4, 107; 2000 AG₁₀₂, 4, 1, 0; 2000 AJ₁₀₂, 10, 2, 40; 2000 AK₁₀₂, 19, 4, 569; 2000 AM₁₀₂, 9, 2, 9; 2000 AN₁₀₂, 19, 4, 90; 2000 AQ₁₀₂, 12, 3, 26; 2000 AR₁₀₂, 19, 4, 56; 2000 AS₁₀₂, 17, 4, 56; 2000 AT₁₀₂, 14, 3, 39; 2000 AU₁₀₂, 12, 3, 55; 2000 AV₁₀₂, 17, 4, 55; 2000 AW₁₀₂, 14, 3, 91; 2000 AY₁₀₂, 4, 1, 0; 2000 AB₁₀₃, 16, 4, 91; 2000 AE₁₀₃, 8, 2, 40; 2000 AG₁₀₃, 25, 6, 137; 2000 AJ₁₀₃, 19, 4, 106; 2000 AK₁₀₃, 17, 4, 55; 2000 AO₁₀₃, 3, 1, 0; 2000 AR₁₀₃, 13, 2, 31; 2000 AT₁₀₃, 8, 2, 39; 2000 AU₁₀₃, 11, 3, 90; 2000 AW₁₀₃, 10, 3, 39; 2000 AZ₁₀₃, 13, 3, 65; 2000 AB₁₀₄, 18, 3, 40; 2000 AC₁₀₄, 27, 6, 147; 2000 AG₁₀₄, 14, 3, 40; 2000 AJ₁₀₄, 10, 2, 8; 2000 AO₁₀₄, 8, 2, 8; 2000 AR₁₀₄, 12, 3, 39; 2000 AS₁₀₄, 7, 2, 39; 2000 AV₁₀₄, 11, 3, 39; 2000 AW₁₀₄, 14, 3, 65; 2000 AX₁₀₄, 5, 1, 0; 2000 AZ₁₀₄, 5, 1, 0; 2000 AA₁₀₅, 8, 2, 8; 2000 AB₁₀₅, 9, 2, 8; 2000 AD₁₀₅, 13, 3, 65; 2000 AK₁₀₅, 37, 8, 564; 2000 AL₁₀₅, 12, 3, 90; 2000 AM₁₀₅, 4, 1, 0; 2000 AS₁₀₅, 14, 3, 39; 2000 AT₁₀₅, 8, 2, 8; 2000 AU₁₀₅, 10, 3, 58; 2000 AR₁₀₆, 3, 1, 0; 2000 AK₁₀₆, 23, 6, 147; 2000 AZ₁₀₆, 24, 5, 122; 2000 AC₁₀₇, 5, 1, 0; 2000 AL₁₀₇, 8, 2, 8; 2000 AT₁₀₇, 8, 2, 58; 2000 AW₁₀₈, 3, 1, 0; 2000 AO₁₀₉, 3, 1, 0; 2000 AT₁₀₉, 4, 1, 0; 2000 AU₁₀₉, 6, 2, 57; 2000 AC₁₁₀, 4, 1, 0; 2000 AG₁₁₁, 4, 1, 0; 2000 AO₁₁₁, 7, 2, 9; 2000 AA₁₁₁, 12, 3, 59; 2000 AL₁₁₂, 4, 1, 0; 2000 AM₁₁₂, 10, 2, 57; 2000 AA₁₁₃, 3, 1, 0; 2000 AS₁₁₃, 5, 1, 0; 2000 AL₁₁₄, 5, 1, 0; 2000 AN₁₁₄, 4, 1, 0; 2000 AA₁₁₅, 10, 2, 50; 2000 AC₁₁₅, 4, 1, 0; 2000 AF₁₁₅, 5, 1, 0; 2000 AT₁₁₅, 10, 2, 50; 2000 AX₁₁₅, 8, 2, 32; 2000 AY₁₁₅, 4, 1, 0; 2000 AZ₁₁₅, 8, 2, 56; 2000 AB₁₁₆, 4, 1, 0; 2000 AW₁₁₆, 7, 2, 28; 2000 AC₁₁₇, 5, 1, 0; 2000 AN₁₁₇, 4, 1, 0; 2000 AO₁₁₇, 5, 1, 0; 2000 AU₁₁₇, 2, 1, 0; 2000 AY₁₁₇, 4, 1, 0; 2000 AP₁₁₈, 5, 1, 0; 2000 AQ₁₁₈, 5, 1, 0; 2000 AD₁₂₀, 5, 1, 0; 2000 AF₁₂₀, 3, 1, 0; 2000 AJ₁₂₀, 5, 1, 0; 2000 AR₁₂₀, 9, 2, 55; 2000 AZ₁₂₀, 4, 1, 0; 2000 AH₁₂₁, 4, 1, 0; 2000 AV₁₂₁, 4, 1, 0; 2000 AN₁₂₂, 5, 1, 0; 2000 AU₁₂₂, 4, 1, 0; 2000 AW₁₂₂, 4, 1, 0; 2000 AA₁₂₃, 4, 1, 0; 2000 AO₁₂₃, 4, 1, 0; 2000 AV₁₂₄, 4, 1, 0; 2000 AD₁₂₅, 9, 2, 32; 2000 AJ₁₂₅, 9, 2, 83; 2000 AY₁₂₅, 4, 1, 0; 2000 AE₁₂₆, 4, 1, 0; 2000 AW₁₂₆, 14, 3, 30; 2000 AZ₁₂₆, 9, 2, 2; 2000 AF₁₂₈, 9, 2, 410; 2000 AH₁₂₈, 5, 1, 0; 2000 AM₁₂₈, 9, 2, 28; 2000 AU₁₂₈, 5, 1, 0; 2000 AW₁₂₈, 13, 3, 30; 2000 AZ₁₂₈, 4, 1, 0; 2000 AO₁₂₉, 4, 1, 0; 2000 AH₁₃₀, 5, 1, 0; 2000 AU₁₃₀, 24, 5, 116; 2000 AZ₁₃₀, 3, 1, 0; 2000 AM₁₃₁, 8, 2, 46; 2000 AO₁₃₁, 9, 2, 61; 2000 AQ₁₃₁, 5, 1, 0; 2000 AW₁₃₁, 4, 1, 0; 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2000 AP₁₃₆, 3, 1, 0; 2000 AU₁₃₆, 4, 1, 0; 2000 AH₁₃₇, 10, 2, 34; 2000 AR₁₃₇, 5, 1, 0; 2000 AT₁₃₇, 5, 1, 0; 2000 AV₁₃₇, 9, 2, 2; 2000 AA₁₃₈, 5, 1, 0; 2000 AF₁₃₉, 10, 2, 11; 2000 AO₁₃₉, 9, 2, 534; 2000 AR₁₃₉, 18, 4, 91; 2000 AU₁₃₉, 4, 1, 0; 2000 AV₁₃₉, 10, 2, 30; 2000 AQ₁₄₀, 4, 1, 0; 2000 AA₁₄₁, 5, 1, 0; 2000 AB₁₄₁, 10, 2, 2; 2000 AK₁₄₁, 5, 1, 0; 2000 AB₁₄₂, 4, 1, 0; 2000 AC₁₄₃, 18, 4, 55; 2000 AE₁₄₃, 15, 3, 77; 2000 AC₁₄₄, 10, 2, 6; 2000 AN₁₄₄, 10, 2, 132; 2000 AO₁₄₄, 5, 1, 0; 2000 AU₁₄₄, 5, 1, 0; 2000 AZ₁₄₄, 4, 1, 0; 2000 AO₁₄₅, 15, 4, 89; 2000 AY₁₄₅, 9, 2, 79; 2000 AM₁₄₆, 3, 1, 0; 2000 AP₁₄₆, 8, 2, 2; 2000 AZ₁₄₆, 5, 1, 0; 2000 AS₁₄₇, 3, 1, 0; 2000 AT₁₄₇, 12, 3, 49; 2000 AH₁₄₈, 9, 1, 0; 2000 AR₁₄₈, 15, 3, 56; 2000 AX₁₄₈, 5, 1, 0; 2000 AY₁₄₈, 10, 2, 8; 2000 AB₁₄₉, 23, 5, 121; 2000 AJ₁₄₉, 7, 2, 8; 2000 AS₁₄₉, 6, 2, 8; 2000 AY₁₄₉, 13, 3, 60; 2000 AV₁₅₀, 11, 3, 63; 2000 AE₁₅₁, 3, 1, 0; 2000 AJ₁₅₁, 4, 1, 0; 2000 AV₁₅₁, 9, 2, 4; 2000 AB₁₅₂, 9, 2, 23; 2000 AL₁₅₂, 3, 1, 0; 2000 AN₁₅₂, 4, 1, 0; 2000 AV₁₅₂, 4, 1, 0; 2000 AW₁₅₂, 4, 1, 0; 2000 AX₁₅₂, 3, 1, 0; 2000 AY₁₅₂, 3, 1, 0; 2000 AC₁₅₃, 5, 1, 0; 2000 AG₁₅₃, 14, 3, 30; 2000 AY₁₅₃, 5, 1, 0; 2000 AD₁₅₄, 4, 1, 0; 2000 AF₁₅₄, 5, 1, 0; 2000 AV₁₅₄, 4, 1, 0; 2000 AO₁₅₅, 4, 1, 0; 2000 AV₁₅₅, 4, 1, 0; 2000 AW₁₅₅, 4, 1, 0; 2000 AX₁₅₅, 4, 1, 0; 2000 AY₁₅₅, 4, 1, 0; 2000 AZ₁₅₅, 3, 1, 0; 2000 AQ₁₅₆, 9, 2, 63; 2000 AU₁₅₆, 4, 1, 0; 2000 AV₁₅₆, 3, 1, 0; 2000 AW₁₅₆, 4, 1, 0; 2000 AJ₁₅₇, 5, 1, 0; 2000 AK₁₅₇, 3, 1, 0; 2000 AU₁₅₇, 5, 1, 0; 2000 AX₁₅₇, 5, 1, 0; 2000 AC₁₅₈, 13, 3, 53; 2000 AN₁₅₈, 4, 1, 0; 2000 AT₁₅₈, 3, 1, 0; 2000 AW₁₅₈, 4, 1, 0; 2000 AZ₁₅₈, 6, 2, 85; 2000 AA₁₅₉, 7, 2, 49; 2000 AD₁₅₉, 4, 1, 0; 2000 AF₁₅₉, 8, 2, 12; 2000 AK₁₅₉, 5, 1, 0; 2000 AR₁₅₉, 6, 2, 11; 2000 AA₁₆₀, 4, 1, 0; 2000 AB₁₆₀, 4, 1, 0; 2000 AO₁₆₀, 4, 1, 0; 2000 AU₁₆₀, 12, 3, 537; 2000 AG₁₆₁, 5, 1, 0; 2000 AH₁₆₁, 8, 2, 12; 2000 AK₁₆₁, 7, 2, 8; 2000 AY₁₆₁, 4, 1, 0; 2000 AC₁₆₂, 4, 1, 0; 2000 AE₁₆₂, 5, 1, 0; 2000 AG₁₆₂, 4, 1, 0; 2000 AR₁₆₂, 5, 1, 0; 2000 AT₁₆₂, 5, 1, 0; 2000 AB₁₆₃, 18, 4, 66; 2000 AE₁₆₃, 12, 3, 59; 2000 AF₁₆₃, 16, 4, 116; 2000 AJ₁₆₃, 16, 4, 92; 2000 AU₁₆₃, 4, 1, 0; 2000 AW₁₆₃, 4, 1, 0; 2000 AK₁₆₄, 5, 1, 0; 2000 AM₁₆₄, 5, 1, 0; 2000 AU₁₆₄, 4, 1, 0; 2000 AK₁₆₅, 22, 5, 120; 2000 AM₁₆₅, 25, 5, 122; 2000 AN₁₆₅, 10, 2, 107; 2000 AP₁₆₅, 4, 1, 0; 2000 AU₁₆₅, 4, 1, 0; 2000 AV₁₆₅, 29, 6, 166; 2000 AX₁₆₅, 4, 1, 0; 2000 AA₁₆₆, 17, 4, 62; 2000 AG₁₆₆, 13, 3, 63; 2000 AJ₁₆₆, 3, 1, 0; 2000 AK₁₆₆, 4, 1, 0; 2000 AM₁₆₆, 5, 1, 0; 2000 AJ₁₆₆, 3, 1, 0; 2000 AU₁₆₆, 4, 1, 0; 2000 AV₁₆₆, 4, 1, 0; 2000 AX₁₆₆, 4, 1, 0; 2000 AC₁₆₇, 4, 1, 0; 2000 AD₁₆₇, 4, 1, 0; 2000 AE₁₆₇, 4, 1, 0; 2000 AJ₁₆₇, 4, 1, 0; 2000 AK₁₆₇, 4, 1, 0; 2000 AN₁₆₇, 4, 1, 0; 2000 AS₁₆₇, 4, 1, 0; 2000 AT₁₆₇, 4, 1, 0; 2000 AV₁₆₇, 8, 1, 0; 2000 AY₁₆₇, 10, 2, 6; 2000 AA₁₆₈, 4, 1, 0; 2000 AC₁₆₈, 5, 1, 0; 2000 AG₁₆₈, 3, 1, 0; 2000 AH₁₆₈, 3, 1, 0; 2000 AP₁₆₈, 4, 1, 0; 2000 AQ₁₆₈, 9, 2, 8; 2000 AS₁₆₈, 5, 1, 0; 2000 AU₁₆₈, 10, 2, 9; 2000 AX₁₆₈, 9, 2, 9; 2000 AY₁₆₈, 16, 4, 65; 2000 AZ₁₆₈, 22, 5, 115; 2000 AD₁₆₉, 19, 4, 122; 2000 AH₁₆₉, 20, 4, 566; 2000 AK₁₆₉, 14, 3, 121; 2000 AL₁₆₉, 11, 3, 40; 2000 AM₁₆₉, 8, 2, 8; 2000 AN₁₆₉, 13, 3, 39; 2000 AO₁₆₉, 9, 2, 9; 2000 AW₁₆₉, 7, 2, 39; 2000 AY₁₆₉, 5, 1, 0; 2000 AA₁₇₀, 4, 1, 0; 2000 AC₁₇₀, 28, 5, 121; 2000 AG₁₇₀, 19, 4, 121; 2000 AH₁₇₀, 19, 4, 65; 2000 AL₁₇₀, 9, 2, 30; 2000 AM₁₇₀, 18, 4, 54; 2000 AQ₁₇₀, 14, 3, 90; 2000 AR₁₇₀, 12, 3, 40; 2000 AV₁₇₀, 9, 2, 8; 2000 AZ₁₇₀, 9, 2, 9; 2000 AA₁₇₁, 12, 3, 90; 2000 AC₁₇₁, 9, 2, 8; 2000 AN₁₇₁, 10, 2, 8; 2000 AO₁₇₁, 17, 4, 65; 2000 AR₁₇₁, 35, 7, 625; 2000 AV₁₇₁, 24, 5, 147; 2000 AW₁₇₁, 20, 4, 138; 2000 AG₁₇₂, 29, 6, 147; 2000 AK₁₇₂, 11, 3, 90; 2000 AM₁₇₂, 20, 4, 534; 2000 AO₁₇₂, 12, 3, 484; 2000 AQ₁₇₂, 12, 3, 65; 2000 AV₁₇₂, 22, 5, 147; 2000 AY₁₇₂, 23, 5, 147; 2000 AD₁₇₃, 13, 3, 65; 2000 AG₁₇₃, 16, 4, 122; 2000 AV₁₇₃, 9, 2, 8; 2000 AW₁₇₃, 19, 4, 121; 2000 AZ₁₇₃, 14, 3, 65; 2000 AB₁₇₄, 11, 3, 478; 2000 AD₁₇₄, 9, 2, 8; 2000 AG₁₇₄, 8, 2, 9; 2000 AT₁₇₄, 9, 2, 8; 2000 AU₁₇₄, 4, 1, 0; 2000 AW₁₇₄, 23, 5, 122; 2000 AY₁₇₄, 18, 4, 90; 2000 AA₁₇₅, 28, 6, 136; 2000 AB₁₇₅, 28, 6, 148; 2000 AC₁₇₅, 8, 2, 8; 2000 AH₁₇₅, 22, 5, 560; 2000 AN₁₇₅, 10, 2, 9; 2000 AQ₁₇₅, 14, 3, 40; 2000 AS₁₇₅, 22, 5, 65; 2000 AT₁₇₅, 3, 1, 0; 2000 AU₁₇₅, 5, 1, 0; 2000 AX₁₇₅, 9, 2, 8; 2000 AY₁₇₅, 8, 2, 55; 2000 AZ₁₇₅, 28, 6, 1

11, 3, 57; 2000 AZ198, 5, 1, 0; 2000 AE199, 16, 4, 79; 2000 AF199, 16, 4, 94; 2000 AV199, 8, 2, 79; 2000 AX199, 4, 1, 0; 2000 AA200, 25, 6, 558; 2000 AD200, 8, 2, 24; 2000 AJ200, 5, 1, 0; 2000 AK200, 4, 1, 0; 2000 AM200, 5, 1, 0; 2000 AV200, 4, 1, 0; 2000 AB201, 7, 2, 11; 2000 AE201, 3, 1, 0; 2000 AF201, 3, 1, 0; 2000 AG201, 4, 1, 0; 2000 AN201, 15, 3, 81; 2000 AP201, 8, 2, 54; 2000 AJ202, 19, 4, 61; 2000 AR202, 12, 3, 342; 2000 AY202, 24, 5, 145; 2000 AC203, 10, 2, 29; 2000 AF203, 8, 2, 2; 2000 AH203, 10, 2, 29; 2000 AK203, 9, 2, 2; 2000 AM203, 14, 3, 106; 2000 AO203, 5, 1, 0; 2000 AY203, 10, 2, 2; 2000 AF204, 5, 1, 0; 2000 AQ204, 8, 2, 30; 2000 AR204, 9, 2, 6; 2000 AC205, 14, 3, 28; 2000 AN205, 9, 2, 8; 2000 AN206, 5, 1, 0; 2000 AO206, 4, 1, 0; 2000 AP206, 3, 1, 0; 2000 AQ206, 4, 1, 0; 2000 AS206, 4, 1, 0; 2000 AW206, 3, 1, 0; 2000 AE207, 3, 1, 0; 2000 AH207, 8, 2, 3; 2000 AZ207, 3, 1, 0; 2000 AB208, 8, 2, 8; 2000 AF208, 3, 1, 0; 2000 AM208, 4, 1, 0; 2000 AO208, 3, 1, 0; 2000 AR208, 3, 1, 0; 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2000 AZ229, 3, 1, 0; 2000 AD230, 4, 1, 0; 2000 AG230, 13, 3, 63; 2000 AQ230, 18, 4, 86; 2000 AX230, 12, 3, 54; 2000 AZ230, 14, 3, 40; 2000 AA231, 14, 3, 37; 2000 AJ231, 15, 3, 478; 2000 AM231, 12, 2, 30; 2000 AC232, 4, 1, 0; 2000 AT232, 10, 3, 66; 2000 AX232, 8, 2, 12; 2000 AY232, 12, 3, 65; 2000 AZ232, 23, 4, 58; 2000 AB233, 18, 4, 87; 2000 AK233, 5, 1, 0; 2000 AS233, 25, 5, 91; 2000 AY233, 10, 3, 40; 2000 AP234, 3, 1, 0; 2000 AV234, 4, 1, 0; 2000 AW234, 3, 1, 0; 2000 AM235, 8, 2, 8; 2000 AN236, 15, 3, 35; 2000 AQ236, 9, 2, 2; 2000 AF237, 4, 1, 0; 2000 AL237, 5, 1, 0; 2000 AP237, 9, 2, 83; 2000 AX237, 9, 2, 139; 2000 AY237, 8, 2, 35; 2000 AA238, 14, 3, 470; 2000 AB238, 9, 2, 11; 2000 AC238, 5, 1, 0; 2000 AD238, 2, 1, 0; 2000 AE238, 3, 1, 0; 2000 AG238, 4, 1, 0; 2000 AQ238, 4, 1, 0; 2000 AV238, 9, 2, 31; 2000 AX238, 6, 2, 12; 2000 AC239, 3, 1, 0; 2000 AF239, 6, 2, 8; 2000 AJ239, 3, 1, 0; 2000 AP239, 24, 5, 147; 2000 AZ239, 9, 2, 3; 2000 AD240, 4, 1, 0; 2000 AL240, 30, 6, 147; 2000 AQ240, 10, 2, 28; 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2000 EU₁₀, 4, 1, 0; 2000 EO₁₁, 10, 2, 8; 2000 EQ₁₁, 3, 1, 0; 2000 ED₁₂, 9, 2, 8; 2000 EL₁₂, 5, 1, 0; 2000 EM₁₂, 5, 1, 0; 2000 EG₁₃, 9, 2, 29; 2000 EW₁₃, 3, 1, 0; 2000 ES₁₄, 3, 1, 0; 2000 ET₁₄, 4, 1, 0; 2000 EX₁₄, 14, 3, 38; 2000 EC₁₅, 5, 1, 0; 2000 EH₁₆, 10, 2, 8; 2000 ET₁₆, 4, 1, 0; 2000 ER₁₇, 15, 3, 77; 2000 EV₁₇, 5, 1, 0; 2000 EM₁₈, 8, 2, 8; 2000 EZ₁₈, 6, 2, 64; 2000 EC₁₉, 4, 1, 0; 2000 EQ₁₉, 4, 1, 0; 2000 EV₁₉, 5, 1, 0; 2000 ED₂₀, 5, 1, 0; 2000 EE₂₀, 5, 1, 0; 2000 EH₂₀, 9, 2, 29; 2000 EM₂₀, 5, 1, 0; 2000 EQ₂₀, 5, 1, 0; 2000 ET₂₀, 9, 2, 2; 2000 EW₂₁, 4, 1, 0; 2000 EZ₂₅, 9, 2, 31; 2000 EN₂₆, 4, 1, 0; 2000 ES₂₇, 5, 1, 0; 2000 EV₂₇, 4, 1, 0; 2000 EW₂₇, 5, 1, 0; 2000 EZ₂₇, 3, 1, 0; 2000 EF₂₈, 5, 1, 0; 2000 EG₂₈, 4, 1, 0; 2000 EJ₂₈, 3, 1, 0; 2000 EC₂₉, 14, 3, 31; 2000 EO₂₉, 5, 1, 0; 2000 EX₂₉, 5, 1, 0; 2000 EZ₂₉, 14, 2, 7; 2000 EB₃₀, 10, 2, 8; 2000 EP₃₀, 3, 1, 0; 2000 EQ₃₀, 5, 1, 0; 2000 EV₃₀, 8, 2, 3; 2000 EX₃₂, 5, 1, 0; 2000 EN₃₄, 4, 1, 0; 2000 ER₃₄, 4, 1, 0; 2000 EU₃₅, 4, 1, 0; 2000 EE₃₆, 4, 1, 0; 2000 EO₃₆, 4, 1, 0; 2000 EX₃₈, 4, 1, 0; 2000 EF₃₉, 8, 2, 2; 2000 EL₃₉, 8, 2, 1; 2000 EP₃₉, 5, 1, 0; 2000 EQ₄₀, 13, 3, 36; 2000 EN₄₂, 10, 2, 7; 2000 EO₄₄, 4, 1, 0; 2000 EV₄₄, 9, 1, 0; 2000 EC₄₅, 8, 2, 49; 2000 EU₄₅, 5, 1, 0; 2000 EA₄₆, 4, 1, 0; 2000 ET₄₆, 4, 1, 0; 2000 EP₄₇, 4, 1, 0; 2000 EY₄₇, 5, 1, 0; 2000 EZ₄₈, 3, 1, 0; 2000 EC₅₀, 5, 1, 0; 2000 ES₅₀, 13, 3, 386; 2000 EX₅₀, 4, 1, 0; 2000 EV₅₁, 3, 1, 0; 2000 ER₅₄,

9, 2, 6; 2000 ED₅₅, 4, 1, 0; 2000 EF₅₅, 14, 3, 524; 2000 EG₅₅, 5, 1, 0; 2000 EE₅₆, 5, 1, 0; 2000 EG₅₆, 4, 1, 0; 2000 ES₅₆, 13, 3, 57; 2000 EA₅₇, 3, 1, 0; 2000 EV₅₇, 4, 1, 0; 2000 EG₅₈, 5, 1, 0; 2000 EQ₅₈, 4, 1, 0; 2000 EU₅₈, 4, 1, 0; 2000 ES₆₂, 13, 3, 29; 2000 EG₆₃, 5, 1, 0; 2000 ER₆₃, 5, 1, 0; 2000 EY₆₃, 3, 1, 0; 2000 EU₆₄, 4, 1, 0; 2000 ES₆₅, 4, 1, 0; 2000 ER₆₆, 8, 2, 36; 2000 EY₆₇, 4, 1, 0; 2000 EZ₆₇, 5, 1, 0; 2000 EV₆₈, 5, 1, 0; 2000 ET₇₁, 5, 1, 0; 2000 EW₇₁, 5, 1, 0; 2000 EE₇₃, 3, 1, 0; 2000 EP₇₄, 9, 2, 7; 2000 EC₇₅, 5, 1, 0; 2000 EH₇₅, 10, 2, 26; 2000 EM₇₅, 5, 1, 0; 2000 EQ₇₅, 9, 2, 52; 2000 EU₇₅, 10, 2, 8; 2000 EV₇₅, 10, 2, 8; 2000 EX₇₅, 10, 2, 8; 2000 EK₇₆, 9, 2, 59; 2000 ER₇₆, 10, 2, 3; 2000 EY₇₆, 4, 1, 0; 2000 EZ₇₆, 5, 1, 0; 2000 EA₇₇, 5, 1, 0; 2000 EH₇₇, 9, 2, 444; 2000 EL₇₇, 5, 1, 0; 2000 ET₇₇, 4, 1, 0; 2000 EL₇₈, 4, 1, 0; 2000 EQ₇₈, 5, 1, 0; 2000 EX₇₈, 3, 1, 0; 2000 EH₇₉, 17, 4, 13; 2000 ES₇₉, 10, 2, 7; 2000 EC₈₀, 3, 1, 0; 2000 EO₈₀, 3, 1, 0; 2000 EQ₈₀, 4, 1, 0; 2000 ER₈₀, 9, 2, 59; 2000 EJ₈₁, 4, 1, 0; 2000 EE₈₂, 4, 1, 0; 2000 EP₈₂, 9, 2, 2; 2000 ER₈₃, 10, 2, 2; 2000 EJ₈₄, 8, 2, 62; 2000 EN₈₄, 3, 1, 0; 2000 EX₈₄, 13, 3, 395; 2000 EF₈₅, 8, 2, 23; 2000 EL₈₅, 6, 2, 3; 2000 EM₈₅, 5, 1, 0; 2000 ES₈₅, 5, 1, 0; 2000 EW₈₅, 9, 2, 3; 2000 EC₈₆, 4, 1, 0; 2000 ER₈₆, 3, 1, 0; 2000 EZ₈₆, 4, 1, 0; 2000 EE₈₇, 8, 2, 4; 2000 EG₈₇, 10, 2, 30; 2000 ES₈₇, 4, 1, 0; 2000 EV₈₇, 10, 2, 10; 2000 EJ₈₈, 4, 1, 0; 2000 EZ₉₀, 3, 1, 0; 2000 EA₉₁, 15, 3, 33; 2000 EC₉₂, 4, 1, 0; 2000 EM₉₂, 3, 1, 0; 2000 EV₉₂, 5, 1, 0; 2000 EC₉₃, 5, 1, 0; 2000 EG₉₃, 10, 2, 36; 2000 EP₉₃, 4, 1, 0; 2000 ER₉₃, 10, 2, 2; 2000 ES₉₄, 4, 1, 0; 2000 EV₉₄, 4, 1, 0; 2000 EX₉₄, 10, 2, 33; 2000 ED₉₅, 13, 3, 389; 2000 EE₉₅, 5, 1, 0; 2000 EH₉₅, 5, 1, 0; 2000 EK₉₅, 10, 2, 592; 2000 EM₉₆, 10, 2, 61; 2000 EU₉₆, 5, 1, 0; 2000 EC₉₇, 5, 1, 0; 2000 EG₉₇, 10, 2, 8; 2000 EL₉₇, 14, 3, 23; 2000 EP₉₇, 4, 1, 0; 2000 EQ₉₇, 5, 1, 0; 2000 EV₉₇, 5, 1, 0; 2000 EY₉₇, 5, 1, 0; 2000 EG₉₈, 5, 1, 0; 2000 EJ₉₈, 3, 1, 0; 2000 ED₁₀₁, 5, 1, 0; 2000 EF₁₀₁, 5, 1, 0; 2000 EJ₁₀₁, 8, 2, 8; 2000 EK₁₀₂, 5, 1, 0; 2000 EO₁₀₂, 5, 1, 0; 2000 EQ₁₀₂, 3, 1, 0; 2000 EK₁₀₃, 5, 1, 0; 2000 EA₁₀₄, 9, 2, 27; 2000 EB₁₀₄, 5, 1, 0; 2000 EJ₁₀₄, 4, 1, 0; 2000 ES₁₀₄, 5, 1, 0; 2000 EF₁₀₅, 5, 1, 0; 2000 ES₁₀₅, 5, 1, 0; 2000 EV₁₀₅, 4, 1, 0; 2000 EG₁₀₆, 9, 2, 10; 2000 EH₁₀₇, 5, 1, 0; 2000 ES₁₀₇, 5, 1, 0; 2000 ET₁₀₇, 9, 2, 33; 2000 EZ₁₀₇, 3, 1, 0; 2000 EP₁₀₈, 4, 1, 0; 2000 ES₁₀₈, 4, 1, 0; 2000 EZ₁₀₈, 24, 5, 418; 2000 EO₁₀₉, 5, 1, 0; 2000 EX₁₀₉, 9, 2, 60; 2000 EU₁₁₀, 4, 1, 0; 2000 EV₁₁₁, 4, 1, 0; 2000 EB₁₁₂, 4, 1, 0; 2000 EJ₁₁₂, 3, 1, 0; 2000 ES₁₁₂, 9, 2, 2; 2000 EY₁₁₂, 4, 1, 0; 2000 EI₁₁₃, 4, 1, 0; 2000 EG₁₁₃, 8, 2, 10; 2000 EQ₁₁₃, 5, 1, 0; 2000 EV₁₁₃, 4, 1, 0; 2000 EN₁₁₄, 4, 1, 0; 2000 EK₁₁₆, 8, 2, 22; 2000 EO₁₁₆, 24, 5, 114; 2000 EQ₁₁₆, 4, 1, 0; 2000 EU₁₁₆, 17, 4, 445; 2000 EB₁₁₇, 5, 1, 0; 2000 EC₁₁₇, 8, 2, 34; 2000 EG₁₁₇, 10, 2, 2; 2000 ES₁₁₇, 8, 2, 62; 2000 EY₁₁₇, 5, 1, 0; 2000 EB₁₁₈, 13, 3, 90; 2000 EL₁₁₈, 3, 1, 0; 2000 EQ₁₁₈, 12, 3, 508; 2000 EX₁₁₈, 8, 2, 30; 2000 EZ₁₁₈, 9, 2, 30; 2000 EA₁₁₉, 5, 1, 0; 2000 ED₁₁₉, 5, 1, 0; 2000 EF₁₁₉, 7, 2, 30; 2000 EG₁₁₉, 8, 2, 62; 2000 EJ₁₁₉, 7, 2, 28; 2000 EN₁₁₉, 5, 1, 0; 2000 EO₁₁₉, 3, 1, 0; 2000 ER₁₁₉, 9, 2, 30; 2000 ET₁₁₉, 5, 1, 0; 2000 EV₁₁₉, 17, 4, 508; 2000 EW₁₁₉, 6, 2, 89; 2000 EX₁₁₉, 8, 2, 59; 2000 EA₁₂₀, 5, 1, 0; 2000 EC₁₂₀, 3, 1, 0; 2000 EE₁₂₀, 30, 6, 535; 2000 EJ₁₂₀, 13, 3, 60; 2000 EN₁₂₀, 5, 1, 0; 2000 EP₁₂₀, 4, 1, 0; 2000 EY₁₂₀, 9, 2, 7; 2000 EE₁₂₁, 5, 1, 0; 2000 EM₁₂₁, 14, 3, 30; 2000 ET₁₂₁, 3, 1, 0; 2000 ES₁₂₂, 4, 1, 0; 2000 EC₁₂₃, 4, 1, 0; 2000 EK₁₂₃, 6, 2, 18; 2000 ES₁₂₃, 4, 1, 0; 2000 EU₁₂₃, 8, 2, 57; 2000 EO₁₂₅, 4, 1, 0; 2000 EP₁₂₅, 4, 1, 0; 2000 EM₁₂₆, 13, 3, 414; 2000 EA₁₂₇, 4, 1, 0; 2000 EQ₁₂₇, 10, 2, 36; 2000 EH₁₂₈, 7, 2, 8; 2000 EH₁₂₉, 5, 1, 0; 2000 EO₁₃₀, 4, 1, 0; 2000 EU₁₃₀, 10, 2, 30; 2000 EK₁₃₁, 3, 1, 0; 2000 EP₁₃₃, 3, 1, 0; 2000 EQ₁₃₃, 9, 2, 10; 2000 EB₁₃₄, 8, 2, 22; 2000 EO₁₃₄, 9, 2, 10; 2000 EX₁₃₄, 10, 2, 10; 2000 EE₁₃₄, 7, 2, 10; 2000 EP₁₃₅, 8, 2, 10; 2000 EP₁₃₆, 5, 1, 0; 2000 ES₁₃₆, 4, 1, 0; 2000 EK₁₃₇, 5, 1, 0; 2000 EQ₁₃₇, 4, 1, 0; 2000 ET₁₃₇, 9, 2, 29; 2000 EV₁₃₇, 13, 3, 558; 2000 EW₁₃₇, 8, 2, 5; 2000 EN₁₃₈, 5, 1, 0; 2000 EQ₁₃₈, 4, 1, 0

2000 FG₅, 5, 1, 0; 2000 FH₆, 6, 2, 1; 2000 FH₇, 4, 1, 0; 2000 FO₈, 4, 1, 0; 2000 FQ₉, 21, 5, 82; 2000 FG₁₀, 3, 1, 0; 2000 FD₁₁, 25, 6, 868; 2000 FE₁₁, 9, 2, 34; 2000 FJ₁₁, 3, 1, 0; 2000 FK₁₁, 5, 1, 0; 2000 FQ₁₁, 18, 4, 72; 2000 FS₁₁, 24, 5, 120; 2000 FY₁₁, 15, 3, 38; 2000 FD₁₂, 9, 2, 410; 2000 FF₁₂, 15, 3, 29; 2000 FH₁₂, 5, 1, 0; 2000 FJ₁₂, 9, 2, 0; 2000 FN₁₂, 23, 5, 88; 2000 FP₁₂, 15, 3, 64; 2000 FR₁₂, 26, 6, 117; 2000 FB₁₃, 5, 1, 0; 2000 FS₁₃, 5, 1, 0; 2000 FW₁₃, 14, 3, 38; 2000 FB₁₄, 5, 1, 0; 2000 FD₁₅, 5, 1, 0; 2000 FQ₁₅, 9, 2, 6; 2000 FS₁₅, 18, 4, 91; 2000 FU₁₅, 7, 2, 1070; 2000 FY₁₅, 4, 1, 0; 2000 FZ₁₅, 9, 2, 27; 2000 FN₁₆, 14, 3, 57; 2000 FU₁₆, 7, 2, 7; 2000 FL₁₇, 11, 3, 451; 2000 FT₁₇, 5, 1, 0; 2000 FL₁₈, 3, 1, 0; 2000 FQ₁₉, 4, 1, 0; 2000 FR₂₀, 5, 1, 0; 2000 FM₂₄, 9, 2, 30; 2000 FM₂₅, 8, 2, 23; 2000 FJ₂₆, 5, 1, 0; 2000 FM₂₆, 5, 1, 0; 2000 FF₂₉, 8, 2, 411; 2000 FT₃₀, 9, 2, 30; 2000 FE₃₁, 17, 3, 37; 2000 FH₃₁, 10, 2, 416; 2000 FL₃₁, 9, 2, 28; 2000 FZ₃₁, 9, 2, 37; 2000 FA₃₃, 9, 2, 27; 2000 FB₃₃, 14, 3, 36; 2000 FH₃₃, 8, 2, 8; 2000 FC₃₄, 3, 1, 0; 2000 FJ₃₄, 3, 1, 0; 2000 FH₃₅, 4, 1, 0; 2000 FX₃₅, 5, 1, 0; 2000 FC₃₇, 4, 1, 0; 2000 FV₃₇, 9, 2, 579; 2000 FB₃₈, 14, 3, 558; 2000 FU₃₈, 3, 1, 0; 2000 FK₃₉, 10, 2, 414; 2000 FR₃₉, 14, 3, 446; 2000 FC₄₀, 4, 1, 0; 2000 FW₄₀, 4, 1, 0; 2000 FX₄₀, 14, 3, 53; 2000 FZ₄₀, 14, 3, 28; 2000 FF₄₁, 4, 1, 0; 2000 FM₄₁, 4, 1, 0; 2000 FR₄₁, 4, 1, 0; 2000 FS₄₁, 5, 1, 0; 2000 FT₄₁, 10, 2, 590; 2000 FD₄₃, 5, 1, 0; 2000 FB₄₄, 4, 1, 0; 2000 FD₄₄, 4, 1, 0; 2000 FN₄₄, 4, 1, 0; 2000 FU₄₄, 9, 2, 413; 2000 FK₄₆, 5, 1, 0; 2000 FN₄₇, 5, 1, 0; 2000 FR₄₇, 4, 1, 0; 2000 FZ₄₇, 14, 3, 970; 2000 FE₄₉, 4, 1, 0; 2000 FP₄₉, 3, 1, 0; 2000 FS₄₉, 8, 2, 558; 2000 FU₄₉, 15, 3, 12; 2000 FV₄₉, 8, 2, 547; 2000 FA₅₀, 3, 1, 0; 2000 FC₅₀, 8, 2, 18; 2000 FF₅₀, 13, 3, 556; 2000 FK₅₁, 12, 3, 2; 2000 FE₅₄, 3, 1, 0; 2000 FF₅₄, 4, 1, 0; 2000 FG₅₄, 4, 1, 0; 2000 FH₅₄, 5, 1, 0; 2000 FJ₅₄, 4, 1, 0; 2000 FK₅₄, 5, 1, 0; 2000 FL₅₄, 3, 1, 0; 2000 FM₅₄, 4, 1, 0; 2000 FN₅₄, 4, 1, 0; 2000 FO₅₄, 3, 1, 0; 2000 FP₅₄, 3, 1, 0; 2000 FQ₅₄, 5, 1, 0; 2000 FR₅₄, 4, 1, 0; 2000 FS₅₄, 5, 1, 0; 2000 FT₅₄, 5, 1, 0; 2000 FU₅₄, 4, 1, 0; 2000 FV₅₄, 3, 1, 0; 2000 FW₅₄, 5, 1, 0; 2000 FX₅₄, 3, 1, 0; 2000 FY₅₄, 5, 1, 0; 2000 FZ₅₄, 4, 1, 0; 2000 FA₅₅, 5, 1, 0; 2000 FB₅₅, 4, 1, 0; 2000 FC₅₅, 5, 1, 0; 2000 FD₅₅, 8, 2, 36; 2000 FE₅₅, 4, 1, 0; 2000 FF₅₅, 8, 2, 36; 2000 FK₅₅, 4, 1, 0; 2000 FL₅₅, 5, 1, 0; 2000 FM₅₅, 9, 2, 10; 2000 FN₅₅, 5, 1, 0; 2000 FO₅₅, 14, 3, 36; 2000 FP₅₅, 4, 1, 0; 2000 FQ₅₅, 5, 1, 0; 2000 FR₅₅, 5, 1, 0; 2000 FS₅₅, 9, 2, 10; 2000 FT₅₅, 4, 1, 0; 2000 FU₅₅, 4, 1, 0; 2000 FV₅₅, 4, 1, 0; 2000 FW₅₅, 13, 3, 58; 2000 FX₅₅, 5, 1, 0; 2000 FY₅₅, 5, 9, 2, 19; 2000 FZ₅₅, 9, 2, 12; 2000 FA₅₆, 4, 1, 0; 2000 FB₅₆, 13, 3, 19; 2000 FC₅₆, 5, 1, 0; 2000 FD₅₆, 5, 1, 0; 2000 FE₅₆, 5, 1, 0; 2000 FF₅₆, 5, 1, 0; 2000 FG₅₆, 23, 5, 57; 2000 FH₅₆, 4, 1, 0; 2000 FJ₅₆, 8, 2, 4; 2000 FK₅₆, 4, 1, 0; 2000 FL₅₆, 8, 2, 10; 2000 FM₅₆, 5, 1, 0; 2000 FN₅₆, 5, 1, 0; 2000 FO₅₆, 4, 1, 0; 2000 FP₅₆, 18, 4, 35; 2000 FQ₅₆, 5, 1, 0; 2000 FR₅₆, 5, 1, 0; 2000 FS₅₆, 9, 2, 10; 2000 FT₅₆, 8, 2, 10; 2000 FU₅₆, 5, 1, 0; 2000 FV₅₆, 9, 2, 10; 2000 FW₅₆, 5, 1, 0; 2000 FX₅₆, 9, 2, 10; 2000 FY₅₆, 6, 2, 10; 2000 FZ₅₆, 9, 2, 27; 2000 FB₅₇, 7, 2, 56; 2000 FC₅₇, 5, 1, 0; 2000 FD₅₇, 4, 1, 0; 2000 FE₅₇, 5, 1, 0; 2000 FF₅₇, 5, 1, 0; 2000 FG₅₇, 7, 2, 27; 2000 FK₅₇, 4, 1, 0; 2000 FL₅₇, 12, 3, 24; 2000 FM₅₇, 3, 1, 0; 2000 FN₅₇, 4, 1, 0; 2000 FO₅₇, 4, 1, 0; 2000 FP₅₇, 4, 1, 0; 2000 FQ₅₇, 8, 2, 17; 2000 FR₅₇, 13, 3, 27; 2000 FS₅₇, 3, 1, 0; 2000 FT₅₇, 4, 1, 0; 2000 FU₅₇, 3, 1, 0; 2000 FV₅₇, 9, 2, 10; 2000 FW₅₇, 8, 2, 17; 2000 FX₅₇, 13, 3, 27; 2000 FY₅₇, 6, 2, 10; 2000 FZ₅₇, 4, 1, 0; 2000 FA₅₈, 3, 1, 0; 2000 FB₅₈, 8, 2, 17; 2000 FC₅₈, 3, 1, 0; 2000 FD₅₈, 3, 1, 0; 2000 FE₅₈, 4, 1, 0; 2000 FF₅₈, 3, 1, 0; 2000 FG₅₈, 4, 1, 0; 2000 FH₅₈, 4, 1, 0; 2000 FJ₅₈, 4, 1, 0; 2000 FK₅₈, 13, 3, 27; 2000 FL₅₈, 4, 1, 0; 2000 FM₅₈, 4, 1, 0; 2000 FN₅₈, 5, 1, 0; 2000 FO₅₈, 17, 4, 54; 2000 FP₅₈, 17, 4, 34; 2000 FR₅₈, 3, 1, 0; 2000 FS₅₈, 3, 1, 0; 2000 FT₅₈, 4, 1, 0; 2000 FU₅₈, 11, 3, 27; 2000 FV₅₈, 13, 3, 27; 2000 FW₅₈, 14, 3, 24; 2000 FX₅₈, 3, 1, 0; 2000 FY₅₈, 16, 4, 29; 2000 FZ₅₈, 5, 1, 0; 2000 FA₅₉, 7, 2, 11; 2000 FB₅₉, 22, 5, 65; 2000 FC₅₉, 22, 5, 64; 2000 FD₅₉, 6, 2, 11; 2000 FE₅₉, 17, 4, 27; 2000 FF₅₉, 10, 2, 10; 2000 FG₅₉, 10, 2, 10; 2000 FH₅₉, 9, 2, 10; 2000 FJ₅₉, 8, 2, 10; 2000 FK₅₉, 8, 2, 10; 2000 FL₅₉, 10, 2, 10; 2000 FM₅₉, 8, 2, 10; 2000 FN₅₉, 9, 2, 10; 2000 FO₅₉, 8, 2, 10; 2000 FP₅₉, 9, 2, 10; 2000 FQ₅₉, 8, 2, 10; 2000 FR₅₉, 9, 2, 10; 2000 FS₅₉, 6, 2, 10; 2000 FT₅₉, 9, 2, 10; 2000 FU₅₉, 9, 2, 10; 2000 FV₅₉, 10, 2, 10; 2000 FW₅₉, 7, 2, 10; 2000 FX₅₉, 7, 2, 10; 2000 FY₅₉, 7, 2, 10; 2000 FZ₅₉, 8, 2, 10; 2000 FA₆₀, 9, 2, 10; 2000 FB₆₀, 8, 2, 10; 2000 FC₆₀, 6, 2, 10; 2000 FD₆₀, 7, 2, 10; 2000 FE₆₀, 8, 2, 10; 2000 FF₆₀, 8, 2, 10; 2000 FG₆₀, 8, 2, 10; 2000 FH₆₀, 8, 2, 10; 2000 FJ₆₀, 10, 2, 10; 2000 FK₆₀, 9, 2, 10; 2000 FL₆₀, 9, 2, 10; 2000 FM₆₀, 10, 2, 10; 2000 FN₆₀, 10, 2, 10; 2000 FO₆₀, 7, 2, 10; 2000 FP₆₀, 9, 2, 10; 2000 FQ₆₀, 7, 2, 10; 2000 FR₆₀, 8, 2, 10; 2000 FS₆₀, 10, 2, 10; 2000 FT₆₀, 10, 2, 10; 2000 FU₆₀, 9, 2, 10; 2000 FV₆₀, 9, 2, 10; 2000 FW₆₀, 7, 2, 10; 2000 FX₆₀, 10, 2, 10; 2000 FY₆₀, 8, 2, 10; 2000 FZ₆₀, 8, 2, 10; 2000 FA₆₁, 8, 2, 10; 2000 FB₆₁, 8, 2, 10; 2000 FC₆₁, 9, 2, 10; 2000 FD₆₁, 9, 2, 10; 2000 FE₆₁, 10, 2, 10; 2000 FF₆₁, 8, 2, 10; 2000 FG₆₁, 9, 2, 10; 2000 FH₆₁, 9, 2, 10; 2000 FJ₆₁, 9, 2, 10; 2000 FK₆₁, 9, 2, 10; 2000 FL₆₁, 9, 2, 10; 2000 FM₆₁, 8, 2, 10; 2000 FN₆₁, 9, 2, 10; 2000 FO₆₁, 7, 2, 10; 2000 FP₆₁, 6, 2, 10; 2000 FQ₆₁, 6, 2, 10; 2000 FR₆₁, 6, 2, 10; 2000 FS₆₁, 6, 2, 10; 2000 FT₆₁, 8, 2, 9; 2000 FU₆₁, 4, 1, 0; 2000 FV₆₁, 4, 1, 0; 2000 FW₆₁, 4, 1, 0; 2000 FX₆₁, 3, 1, 0; 2000 FY₆₁, 3, 1, 0; 2000 FZ₆₁, 3, 1, 0; 2000 FA₆₂, 3, 1, 0; 2000 FB₆₂, 3, 1, 0; 2000 FC₆₂, 3, 1, 0; 2000 FD₆₂, 3, 1, 0; 2000 FE₆₂, 4, 1, 0; 2000 FF₆₂, 4, 1, 0; 2000 FG₆₂, 4, 1, 0; 2000 FH₆₂, 4, 1, 0; 2000 FJ₆₂, 4, 1, 0; 2000 FK₆₂, 3, 1, 0; 2000 FL₆₂, 3, 1, 0; 2000 FM₆₂, 3, 1, 0; 2000 FN₆₂, 3, 1, 0; 2000 FO₆₂, 3, 1, 0; 2000 FP₆₂, 3, 1, 0; 2000 FQ₆₂, 3, 1, 0; 2000 FR₆₂, 4, 1, 0; 2000 FS₆₂, 4, 1, 0; 2000 FT₆₂, 4, 1, 0; 2000 FU₆₂, 8, 2, 9; 2000 FV₆₂, 4, 1, 0; 2000 FW₆₂, 4, 1, 0; 2000 FX₆₂, 3, 1, 0; 2000 FY₆₂, 4, 1, 0;

2000 FZ₆₃, 9, 2, 9; 2000 FA₆₄, 6, 2, 9; 2000 FB₆₄, 7, 2, 9; 2000 FC₆₄, 3, 1, 0; 2000 FD₆₄, 4, 1, 0; 2000 FE₆₄, 3, 1, 0; 2000 FF₆₄, 4, 1, 0; 2000 FG₆₄, 9, 2, 9; 2000 FH₆₄, 8, 2, 9; 2000 FJ₆₄, 10, 2, 9; 2000 FK₆₄, 4, 1, 0; 2000 FO₆₄, 5, 1, 0; 2000 FP₆₄, 9, 2, 8; 2000 FQ₆₄, 9, 2, 8; 2000 FR₆₄, 9, 2, 8; 2000 FS₆₄, 7, 2, 8; 2000 FT₆₄, 8, 2, 8; 2000 FW₆₄, 10, 2, 8; 2000 FX₆₄, 8, 2, 8; 2000 FA₆₅, 4, 1, 0; 2000 FC₆₅, 4, 1, 0; 2000 FE₆₅, 3, 1, 0; 2000 FH₆₅, 4, 1, 0; 2000 FW₆₅, 3, 1, 0; 2000 FX₆₅, 3, 1, 0; 2000 FY₆₅, 4, 1, 0; 2000 FZ₆₅, 5, 1, 0; 2000 FA₆₆, 5, 1, 0; 2000 FC₆₆, 4, 1, 0; 2000 FD₆₆, 4, 1, 0; 2000 FE₆₆, 4, 1, 0; 2000 FL₆₆, 3, 1, 0; 2000 FP₆₆, 3, 1, 0; 2000 FQ₆₆, 3, 1, 0; 2000 FR₆₆, 14, 3, 33; 2000 FS₆₆, 3, 1, 0; 2000 FT₆₆, 3, 1, 0; 2000 FU₆₆, 3, 1, 0; 2000 FV₆₆, 3, 1, 0; 2000 FW₆₆, 5, 1, 0; 2000 FX₆₆, 4, 1, 0; 2000 FY₆₆, 4, 1, 0; 2000 FZ₆₆, 3, 1, 0; 2000 FA₆₇, 4, 1, 0; 2000 FB₆₇, 3, 1, 0; 2000 FC₆₇, 10, 2, 25; 2000 FD₆₇, 4, 1, 0; 2000 FE₆₇, 3, 1, 0; 2000 FF₆₇, 4, 1, 0; 2000 FG₆₇, 5, 1, 0; 2000 FH₆₇, 3, 1, 0; 2000 FJ₆₇, 5, 1, 0; 2000 FK₆₇, 4, 1, 0; 2000 FL₆₇, 5, 1, 0; 2000 FM₆₇, 4, 1, 0; 2000 FR₆₇, 4, 1, 0; 2000 FS₆₇, 4, 1, 0; 2000 FT₆₇, 4, 1, 0; 2000 FU₆₇, 3, 1, 0; 2000 FV₆₇, 4, 1, 0; 2000 FW₆₇, 4, 1, 0; 2000 FX₆₇, 4, 1, 0; 2000 FY₆₇, 5, 1, 0; 2000 FZ₆₇, 4, 1, 0; 2000 FA₆₈, 5, 1, 0; 2000 FB₆₈, 5, 1, 0; 2000 FC₆₈, 4, 1, 0; 2000 FE₆₈, 5, 1, 0; 2000 FF₆₈, 5, 1, 0; 2000 FG₆₈, 3, 1, 0; 2000 FH₆₈, 5, 1, 0; 2000 FJ₆₈, 8, 2, 10; 2000 FK₆₈, 4, 1, 0; 2000 FL₆₈, 10, 2, 25; 2000 FM₆₈, 4, 1, 0; 2000 FN₆₈, 5, 1, 0; 2000 FO₆₈, 5, 1, 0; 2000 FP₆₈, 9, 2, 26; 2000 FQ₆₈, 5, 1, 0; 2000 FR₆₈, 5, 1, 0; 2000 FS₆₈, 5, 1, 0; 2000 FT₆₈, 5, 1, 0; 2000 FU₆₈, 3, 1, 0; 2000 FV₆₈, 4, 1, 0; 2000 FW₆₈, 5, 1, 0; 2000 FX₆₈, 5, 1, 0; 2000 FY₆₈, 3, 1, 0; 2000 FZ₆₈, 3, 1, 0; 2000 FA₆₉, 3, 1, 0; 2000 FB₆₉, 5, 1, 0; 2000 FC₆₉, 5, 1, 0; 2000 FE₆₉, 3, 1, 0; 2000 FF₆₉, 3, 1, 0; 2000 FG₆₉, 3, 1, 0; 2000 FH₆₉, 5, 1, 0; 2000 FJ₆₉, 5, 1, 0; 2000 FK₆₉, 5, 1, 0; 2000 FL₆₉, 5, 1, 0; 2000 FM₆₉, 5, 1, 0; 2000 FN₆₉, 3, 1, 0; 2000 FR₆₉, 4, 1, 0; 2000 FS₆₉, 5, 1, 0; 2000 FU₆₉, 5, 1, 0; 2000 FV₆₉, 4, 1, 0; 2000 FW₆₉, 4, 1, 0; 2000 FX₆₉, 4, 1, 0; 2000 FY₆₉, 5, 1, 0; 2000 FZ₆₉, 5, 1, 0; 2000 FA₇₀, 5, 1, 0; 2000 FB₇₀, 4, 1, 0; 2000 FC₇₀, 4, 1, 0; 2000 FE₇₀, 3, 1, 0; 2000 FF₇₀, 3, 1, 0; 2000 FG₇₀, 3, 1, 0; 2000 FH₇₀, 3, 1, 0; 2000 FJ₇₀, 3, 1, 0; 2000 FK₇₀, 3, 1, 0; 2000 FL₇₀, 3, 1, 0; 2000 FM₇₀, 4, 1, 0; 2000 FN₇₀, 3, 1, 0; 2000 FO₇₀, 3, 1, 0; 2000 FP₇₀, 4, 1, 0; 2000 FQ₇₀, 3, 1, 0; 2000 FR₇₀, 4, 1, 0; 2000 FS₇₀, 4, 1, 0; 2000 FT₇₀, 3, 1, 0; 2000 FU₇₀, 3, 1, 0; 2000 FV₇₀, 4, 1, 0; 2000 FW₇₀, 5, 1, 0; 2000 FX₇₀, 5, 1, 0; 2000 FY₇₀, 5, 1, 0; 2000 FZ₇₀, 5, 1, 0; 2000 FA₇₁, 5, 1, 0; 2000 FB₇₁, 5, 1, 0; 2000 FC₇₁, 5, 1, 0; 2000 FD₇₁, 4, 1, 0; 2000 FE₇₁, 5, 1, 0; 2000 FF₇₁, 4, 1, 0; 2000 FG₇₁, 3, 1, 0; 2000 FH₇₁, 4, 1, 0; 2000 FJ₇₁, 4, 1, 0; 2000 FK₇₁, 4, 1, 0; 2000 FL₇₁, 3, 1, 0; 2000 FM₇₁, 4, 1, 0; 2000 FN₇₁, 4, 1, 0; 2000 FO₇₁, 4, 1, 0; 2000 FP₇₁, 4, 1, 0; 2000 FQ₇₁, 5, 1, 0; 2000 FR₇₁, 4, 1, 0; 2000 FS₇₁, 4, 1, 0; 2000 FT₇₁, 3, 1, 0; 2000 FU₇₁, 3, 1, 0; 2000 FV₇₁, 4, 1, 0; 2000 FW₇₁, 4, 1, 0; 2000 FX₇₁, 3, 1, 0; 2000 FY₇₁, 4, 1, 0; 2000 FZ₇₁, 18, 4, 86; 2000 FA₇₂, 4, 1, 0; 2000 FB₇₂, 5, 1, 0; 2000 FC₇₂, 4, 1, 0; 2000 FE₇₂, 4, 1, 0; 2000 FF₇₂, 4, 1, 0; 2000 FG₇₂, 5, 1, 0; 2000 FH₇₂, 4, 1, 0; 2000 FJ₇₂, 3, 1, 0; 2000 FK₇₂, 3, 1, 0; 2000 FL₇₂, 3, 1, 0; 2000 FM₇₂, 3, 1, 0; 2000 FN₇₂, 3, 1, 0; 2000 FO₇₂, 3, 1, 0; 2000 FP₇₂, 3, 1, 0; 2000 FQ₇₂, 3, 1, 0; 2000 FR₇₂, 3, 1, 0; 2000 FS₇₂, 3, 1, 0; 2000 FT₇₂, 19, 4, 58; 2000 FU₇₂, 26, 5, 89; 2000 FV₇₂, 4, 1, 0; 2000 FW₇₂, 3, 1, 0; 2000 FX₇₂, 4, 1, 0; 2000 FY₇₂, 22, 5, 113; 2000 FZ₇₂, 10, 2, 441; 2000 GA₁, 12, 3, 38; 2000 GM₂, 4, 1, 0; 2000 GU₂, 5, 1, 0; 2000 GX₃, 4, 1, 0; 2000 GA₄, 4, 1, 0; 2000 GC₄, 5, 1, 0; 2000 GD₄, 8, 1, 0; 2000 GN₄, 3, 1, 0; 2000 GF₅, 5, 1, 0; 2000 GH₅, 14, 3, 25; 2000 GO₅, 7, 2, 5; 2000 GR₅, 3, 1, 0; 2000 GT₅, 9, 2, 36; 2000 GJ₆, 4, 1, 0; 2000 GO₆, 3, 1, 0; 2000 GZ₇, 5, 1, 0; 2000 GE₈, 9, 2, 411; 2000 GL₈, 8, 2, 8; 2000 GC₉, 10, 2, 8; 2000 GJ₉, 8, 2, 8; 2000 GM₉, 8, 2, 8; 2000 GN₉, 5, 1, 0; 2000 GV₉, 5, 1, 0; 2000 GZ₉, 5, 1, 0; 2000 GJ₁₁, 3, 1, 0; 2000 GW₁₁, 5, 1, 0; 2000 GY₁₁, 10, 2, 918; 2000 GY₁₂, 4, 1, 0; 2000 GL₁₃, 4, 1, 0; 2000 GO₁₇, 4, 1, 0; 2000 GZ₁₇, 5, 1, 0; 2000 GU₁₈, 8, 2, 474; 2000 GJ₂₁, 4, 1, 0; 2000 GO₂₁, 4, 1, 0; 2000 GS₂₁, 4, 1, 0; 2000 GT₂₂, 5, 1, 0; 2000 GE₂₃, 3, 1, 0; 2000 GV₂₄,

2000 GG₉₄, 8, 2, 30; 2000 GH₉₄, 9, 2, 30; 2000 GK₉₄, 15, 3, 55; 2000 GO₉₄, 5, 1, 0; 2000 GU₉₄, 4, 1, 0; 2000 GE₉₅, 4, 1, 0; 2000 GF₉₅, 3, 1, 0; 2000 GT₉₅, 10, 2, 29; 2000 GY₉₅, 9, 2, 409; 2000 GF₉₆, 3, 1, 0; 2000 GU₉₆, 4, 1, 0; 2000 GX₉₆, 9, 2, 1; 2000 GB₉₇, 8, 2, 22; 2000 GD₉₇, 10, 2, 22; 2000 GU₉₇, 5, 1, 0; 2000 GY₉₉, 9, 2, 31; 2000 GZ₉₉, 4, 1, 0; 2000 GB₁₀₀, 3, 1, 0; 2000 GP₁₀₀, 3, 1, 0; 2000 GE₁₀₂, 23, 5, 475; 2000 GM₁₀₃, 3, 1, 0; 2000 GR₁₀₃, 3, 1, 0; 2000 GV₁₀₃, 5, 1, 0; 2000 GE₁₀₄, 5, 1, 0; 2000 GF₁₀₄, 3, 1, 0; 2000 GN₁₀₄, 17, 3, 38; 2000 GP₁₀₄, 5, 1, 0; 2000 GT₁₀₄, 4, 1, 0; 2000 GY₁₀₄, 3, 1, 0; 2000 GD₁₀₅, 4, 1, 0; 2000 GE₁₀₅, 4, 1, 0; 2000 GG₁₀₅, 9, 2, 508; 2000 GA₁₀₆, 15, 2, 2; 2000 GS₁₀₆, 4, 1, 0; 2000 GT₁₀₆, 14, 3, 450; 2000 GU₁₀₆, 9, 2, 8; 2000 GR₁₀₇, 4, 1, 0; 2000 GT₁₀₇, 5, 1, 0; 2000 GV₁₀₇, 5, 1, 0; 2000 GW₁₀₇, 5, 1, 0; 2000 GX₁₀₇, 3, 1, 0; 2000 GB₁₀₈, 4, 1, 0; 2000 GF₁₀₈, 4, 1, 0; 2000 GH₁₀₈, 12, 3, 58; 2000 GM₁₀₈, 5, 1, 0; 2000 GN₁₀₈, 7, 2, 7; 2000 GQ₁₀₈, 7, 2, 591; 2000 GV₁₀₈, 15, 3, 542; 2000 GW₁₀₈, 5, 1, 0; 2000 GX₁₀₈, 4, 1, 0; 2000 GY₁₀₈, 5, 1, 0; 2000 GL₁₀₉, 4, 1, 0; 2000 GK₁₁₀, 5, 1, 0; 2000 GM₁₁₀, 4, 1, 0; 2000 GL₁₁₂, 7, 2, 56; 2000 GX₁₁₂, 4, 1, 0; 2000 GO₁₁₃, 8, 2, 558; 2000 GX₁₁₃, 4, 1, 0; 2000 GD₁₁₄, 14, 3, 446; 2000 GG₁₁₄, 10, 2, 1; 2000 GM₁₁₄, 5, 1, 0; 2000 GA₁₁₅, 6, 2, 16; 2000 GL₁₁₅, 7, 2, 17; 2000 GG₁₁₆, 3, 1, 0; 2000 GK₁₁₇, 3, 1, 0; 2000 GP₁₁₈, 7, 2, 8; 2000 GE₁₁₉, 13, 3, 473; 2000 GM₁₂₂, 5, 1, 0; 2000 GV₁₂₂, 5, 1, 0; 2000 GW₁₂₂, 8, 2, 552; 2000 GM₁₂₃, 9, 2, 2; 2000 GP₁₂₃, 4, 1, 0; 2000 GU₁₂₃, 9, 2, 23; 2000 GV₁₂₃, 5, 1, 0; 2000 GW₁₂₃, 5, 1, 0; 2000 GX₁₂₃, 4, 1, 0; 2000 GK₁₂₄, 3, 1, 0; 2000 GL₁₂₄, 3, 1, 0; 2000 GO₁₂₄, 4, 1, 0; 2000 GB₁₂₅, 5, 1, 0; 2000 GC₁₂₅, 5, 1, 0; 2000 GM₁₂₅, 3, 1, 0; 2000 GZ₁₂₅, 5, 1, 0; 2000 GK₁₂₆, 5, 1, 0; 2000 GL₁₂₆, 9, 2, 75; 2000 GN₁₂₆, 4, 1, 0; 2000 GP₁₂₆, 8, 2, 34; 2000 GR₁₂₆, 3, 1, 0; 2000 GU₁₂₆, 3, 1, 0; 2000 GV₁₂₆, 5, 1, 0; 2000 GW₁₂₆, 4, 1, 0; 2000 GX₁₂₆, 4, 1, 0; 2000 GA₁₂₇, 19, 3, 1097; 2000 GJ₁₂₇, 8, 2, 442; 2000 GS₁₂₇, 5, 1, 0; 2000 GE₁₂₈, 8, 2, 22; 2000 GX₁₃₀, 5, 1, 0; 2000 GC₁₃₂, 5, 1, 0; 2000 GO₁₃₂, 5, 1, 0; 2000 GE₁₃₃, 14, 3, 590; 2000 GO₁₃₃, 13, 3, 8; 2000 GP₁₃₃, 4, 1, 0; 2000 GR₁₃₃, 4, 1, 0; 2000 GE₁₃₄, 3, 1, 0; 2000 GF₁₃₄, 4, 1, 0; 2000 GH₁₃₄, 5, 1, 0; 2000 GK₁₃₄, 5, 1, 0; 2000 GR₁₃₄, 5, 1, 0; 2000 GY₁₃₄, 4, 1, 0; 2000 GX₁₃₅, 9, 2, 541; 2000 GA₁₃₆, 4, 1, 0; 2000 GK₁₃₆, 5, 1, 0; 2000 GL₁₃₆, 11, 3, 919; 2000 GK₁₃₆, 3, 1, 0; 2000 GL₁₃₆, 4, 1, 0; 2000 GN₁₃₆, 10, 2, 11; 2000 GT₁₃₆, 4, 1, 0; 2000 GU₁₃₆, 9, 2, 493; 2000 GV₁₃₆, 5, 1, 0; 2000 GW₁₃₆, 5, 1, 0; 2000 GX₁₃₇, 5, 1, 0; 2000 GD₁₃₈, 33, 7, 493; 2000 GK₁₃₇, 13, 3, 29; 2000 GN₁₃₇, 18, 4, 442; 2000 GY₁₃₇, 3, 1, 0; 2000 GD₁₃₈, 4, 1, 0; 2000 GK₁₃₈, 6, 2, 8; 2000 GN₁₃₈, 5, 1, 0; 2000 GA₁₃₉, 5, 1, 0; 2000 GT₁₃₉, 10, 2, 26; 2000 GK₁₄₀, 4, 1, 0; 2000 GR₁₄₀, 4, 1, 0; 2000 GG₁₄₁, 5, 1, 0; 2000 GH₁₄₁, 4, 1, 0; 2000 GP₁₄₁, 8, 2, 30; 2000 GY₁₄₁, 5, 1, 0; 2000 CA₁₄₂, 5, 1, 0; 2000 GH₁₄₂, 4, 1, 0; 2000 GK₁₄₂, 4, 1, 0; 2000 GA₁₄₃, 3, 1, 0; 2000 GO₁₄₂, 10, 2, 523; 2000 GS₁₄₂, 5, 1, 0; 2000 GU₁₄₂, 4, 1, 0; 2000 GD₁₄₃, 10, 2, 27; 2000 GM₁₄₃, 4, 1, 0; 2000 GN₁₄₃, 9, 2, 8; 2000 GF₁₄₅, 4, 1, 0; 2000 GR₁₄₅, 3, 1, 0; 2000 GH₁₄₆, 4, 1, 0; 2000 GR₁₄₆, 3, 1, 0; 2000 GU₁₄₆, 3, 1, 0; 2000 GP₁₄₇, 3, 1, 0; 2000 GB₁₄₈, 9, 2, 445; 2000 GG₁₄₈, 4, 1, 0; 2000 GK₁₄₈, 10, 2, 8; 2000 GB₁₄₉, 9, 2, 8; 2000 GV₁₄₉, 3, 1, 0; 2000 GG₁₅₂, 5, 1, 0; 2000 GJ₁₅₂, 17, 4, 141; 2000 GD₁₅₃, 4, 1, 0; 2000 GE₁₅₃, 4, 1, 0; 2000 GF₁₅₃, 5, 1, 0; 2000 GX₁₅₃, 4, 1, 0; 2000 GY₁₅₃, 4, 1, 0; 2000 GB₁₅₅, 4, 1, 0; 2000 GO₁₅₅, 3, 1, 0; 2000 GC₁₅₇, 8, 2, 8; 2000 GY₁₅₇, 4, 1, 0; 2000 GK₁₅₈, 8, 2, 17; 2000 GL₁₅₈, 8, 2, 17; 2000 GH₁₅₈, 8, 2, 17; 2000 GK₁₅₈, 18, 4, 86; 2000 GW₁₅₈, 4, 1, 0; 2000 GX₁₅₈, 3, 1, 0; 2000 GC₁₅₉, 5, 1, 0; 2000 GD₁₅₉, 9, 3, 36; 2000 GO₁₅₉, 8, 2, 53; 2000 GS₁₅₉, 3, 1, 0; 2000 GQ₁₆₀, 4, 1, 0; 2000 GU₁₆₀, 4, 1, 0; 2000 GV₁₆₀, 3, 1, 0; 2000 GE₁₆₁, 3, 1, 0; 2000 GG₁₆₁, 15, 3, 11; 2000 GH₁₆₁, 18, 4, 584; 2000 GJ₁₆₁, 12, 3, 440; 2000 GQ₁₆₁, 8, 2, 11; 2000 GO₁₆₂, 8, 2, 17; 2000 GV₁₆₂, 8, 2, 57; 2000 GY₁₆₂, 4, 1, 0; 2000 GK₁₆₃, 14, 3, 81; 2000 GD₁₆₃, 8, 2, 29; 2000 GF₁₆₃, 10, 2, 11; 2000 GX₁₆₃, 16, 4, 86; 2000 GC₁₆₄, 8, 2, 22; 2000 GD₁₆₄, 13, 3, 29; 2000 GN₁₆₅, 10, 2, 23; 2000 GF₁₆₆, 5, 1, 0; 2000 GQ₁₆₆, 14, 2, 5; 2000 GY₁₆₆, 5, 1, 0; 2000 GB₁₆₇, 5, 1, 0; 2000 GC₁₆₇, 20, 4, 90; 2000 GD₁₆₇, 5, 1, 0; 2000 GN₁₆₇, 13, 3, 59; 2000 GR₁₆₇, 7, 2, 16; 2000 GR₁₆₈, 3, 1, 0; 2000 GA₁₆₉, 9, 2, 27; 2000 GB₁₆₉, 5, 1, 0; 2000 GD₁₆₉, 14, 3, 25; 2000 GK₁₆₉, 5, 1, 0; 2000 GN₁₆₉, 5, 1, 0; 2000 GP₁₆₉, 4, 1, 0; 2000 GQ₁₆₉, 4, 1, 0; 2000 GY₁₆₉, 5, 1, 0; 2000 GQ₁₇₀, 3, 1, 0; 2000 GF₁₇₁, 5, 1, 0; 2000 GO₁₇₁, 4, 1, 0; 2000 GP₁₇₁, 3, 1, 0; 2000 GR₁₇₁ *, 9, 2, 5; 2000 GS₁₇₁, 8, 2, 4; 2000 GT₁₇₁ *, 25, 5, 65; 2000 GU₁₇₁ *, 23, 6, 59; 2000 GV₁₇₁, 8, 2, 10; 2000 GW₁₇₁, 9, 2, 10; 2000 GX₁₇₁, 4, 1, 0; 2000 GY₁₇₁ *, 4, 1, 0; 2000 GZ₁₇₁ *, 14, 4, 27; 2000 GA₁₇₂, 3, 1, 0; 2000 GB₁₇₂, 4, 1, 0; 2000 GD₁₇₂, 3, 1, 0; 2000 GE₁₇₂, 5, 1, 0; 2000 GF₁₇₂, 3, 1, 0; 2000 GG₁₇₂ *, 5, 1, 0; 2000 GH₁₇₂, 7, 2, 29; 2000 GJ₁₇₂, 3, 1, 0; 2000 GK₁₇₂, 4, 1, 0; 2000 GL₁₇₂, 8, 2, 29; 2000 GM₁₇₂, 9, 2, 29; 2000 GN₁₇₂, 4, 1, 0; 2000 GO₁₇₂, 9, 2, 29; 2000 GP₁₇₂, 5, 1, 0; 2000 GQ₁₇₂, 5, 1, 0; 2000 GS₁₇₂, 5, 1, 0; 2000 GT₁₇₂ *, 5, 1, 0; 2000 GU₁₇₂, 15, 3, 59; 2000 GV₁₇₂, 9, 2, 29; 2000 GW₁₇₂, 4, 1, 0; 2000 GX₁₇₂, 4, 1, 0; 2000 GY₁₇₂, 10, 2, 23; 2000 GZ₁₇₂, 5, 1, 0; 2000 GA₁₇₃, 3, 1, 0; 2000 GB₁₇₃ *, 5, 1, 0; 2000 GC₁₇₃ *, 8, 2, 22; 2000 GD₁₇₃ *, 5, 1, 0; 2000 GE₁₇₃ *, 5, 1, 0; 2000 GF₁₇₃ *, 3, 1, 0; 2000 GG₁₇₃ *, 9, 1, 0; 2000 GH₁₇₃, 4, 1, 0; 2000 GJ₁₇₃, 10, 2, 29; 2000 GK₁₇₃, 5, 1, 0; 2000 GL₁₇₃, 5, 1, 0; 2000 GM₁₇₃, 5, 1, 0; 2000 GN₁₇₃, 4, 1, 0; 2000 GO₁₇₃, 5, 1, 0; 2000 GP₁₇₃, 3, 1, 0; 2000 GQ₁₇₃, 4, 1, 0; 2000 GR₁₇₃, 3, 1, 0; 2000 GS₁₇₃, 3, 1, 0; 2000 GT₁₇₃, 4, 1, 0; 2000 GU₁₇₃, 3, 1, 0; 2000 GV₁₇₃, 5, 1, 0; 2000 GW₁₇₃, 3, 1, 0; 2000 GX₁₇₃, 5, 1, 0; 2000 GY₁₇₃, 5, 1, 0; 2000 GZ₁₇₃, 5, 1, 0; 2000 GA₁₇₄, 4, 1, 0; 2000 GB₁₇₄, 3, 1, 0; 2000 GC₁₇₄, 4, 1, 0; 2000 GD₁₇₄, 3, 1, 0; 2000 GE₁₇₄, 5, 1, 0; 2000 GF₁₇₄, 3, 1, 0; 2000 GH₁₇₄, 4, 1, 0; 2000 GI₁₇₄, 14, 3, 27; 2000 GJ₁₇₄, 3, 1, 0; 2000 GK₁₇₄, 10, 3, 29; 2000 GL₁₇₄, 11, 3, 31; 2000 GM₁₇₄, 4, 1, 0; 2000 GN₁₇₄, 3, 1, 0; 2000 GO₁₇₄, 4, 1, 0; 2000 GP₁₇₄, 9, 2, 1; 2000 GQ₁₇₄, 13, 3, 34; 2000 GR₁₇₄, 4, 1, 0;

2000 GS₁₇₄, 9, 2, 23; 2000 GT₁₇₄, 4, 1, 0; 2000 GU₁₇₄, 3, 1, 0; 2000 GV₁₇₄, 4, 1, 0; 2000 GW₁₇₄, 3, 1, 0; 2000 GX₁₇₄, 12, 3, 24; 2000 GY₁₇₄, 8, 2, 23; 2000 GZ₁₇₄, 4, 1, 0; 2000 GA₁₇₅, 4, 1, 0; 2000 GB₁₇₅, 3, 1, 0; 2000 GC₁₇₅, 4, 1, 0; 2000 GD₁₇₅, 4, 1, 0; 2000 GE₁₇₅, 9, 2, 1; 2000 GF₁₇₅, 5, 1, 0; 2000 GH₁₇₅, 10, 2, 23; 2000 GI₁₇₅, 4, 1, 0; 2000 GJ₁₇₅, 5, 1, 0; 2000 GK₁₇₅, 5, 1, 0; 2000 GL₁₇₅, 4, 1, 0; 2000 GM₁₇₅, 3, 1, 0; 2000 GN₁₇₅, 8, 2, 1; 2000 GO₁₇₅, 5, 1, 0; 2000 GP₁₇₅, 3, 1, 0; 2000 GQ₁₇₅, 5, 1, 0; 2000 GR₁₇₅, 10, 2, 25; 2000 GS₁₇₅, 4, 1, 0; 2000 GT₁₇₅, 3, 1, 0; 2000 GU₁₇₅, 19, 4, 34; 2000 GV₁₇₅, 4, 1, 0; 2000 GW₁₇₅, 5, 1, 0; 2000 GX₁₇₅, 3, 1, 0; 2000 GY₁₇₅, 3, 1, 0; 2000 GZ₁₇₅, 9, 2, 25; 2000 GA₁₇₆, 5, 1, 0; 2000 GB₁₇₆, 4, 1, 0; 2000 GC₁₇₆, 5, 1, 0; 2000 GD₁₇₆, 4, 1, 0; 2000 GE₁₇₆, 3, 1, 0; 2000 GF₁₇₆, 5, 1, 0; 2000 GH₁₇₆, 5, 1, 0; 2000 GJ₁₇₆, 8, 2, 1; 2000 GK₁₇₆, 4, 1, 0; 2000 GL₁₇₆, 3, 1, 0; 2000 GM₁₇₆, 5, 1, 0; 2000 GN₁₇₆, 3, 1, 0; 2000 GO₁₇₆, 3, 1, 0; 2000 GP₁₇₆, 5, 1, 0; 2000 GQ₁₇₆, 5, 1, 0; 2000 GR₁₇₆, 3, 1, 0; 2000 GS₁₇₆, 3, 1, 0; 2000 GT₁₇₆, 4, 1, 0; 2000 GU₁₇₆, 3, 1, 0; 2000 GV₁₇₆, 3, 1, 0; 2000 GW₁₇₆, 3, 1, 0; 2000 GX₁₇₆, 4, 1, 0; 2000 GY₁₇₆, 5, 1, 0; 2000 GZ₁₇₆, 4, 1, 0; 2000 GA₁₇₇, 3, 1, 0; 2000 GB₁₇₇, 5, 1, 0; 2000 GC₁₇₇, 5, 1, 0; 2000 GD₁₇₇, 4, 1, 0; 2000 GE₁₇₇, 8, 2, 5; 2000 GF₁₇₇, 4, 1, 0; 2000 GG₁₇₇, 3, 1, 0; 2000 GH₁₇₇, 5, 1, 0; 2000 GJ₁₇₇, 3, 1, 0; 2000 GK₁₇₇, 3, 1, 0; 2000 GL₁₇₇, 3, 1, 0; 2000 GM₁₇₇, 3, 1, 0; 2000 GN₁₇₇, 5, 1, 0; 2000 GO₁₇₇, 5, 1, 0; 2000 GP₁₇₇, 5, 1, 0; 2000 GQ₁₇₇, 5, 1, 0; 2000 GR₁₇₇, 4, 1, 0; 2000 GS₁₇₇, 3, 1, 0; 2000 GT₁₇₇, 5, 1, 0; 2000 GU₁₇₇, 4, 1, 0; 2000 GV₁₇₇, 8, 2, 24; 2000 GW₁₇₇ *, 4, 1, 0; 2000 GX₁₇₇ *, 4, 1, 0; 2000 GY₁₇₇, 8, 2, 26; 2000 GZ₁₇₇, 4, 1, 0; 2000 GA₁₇₈, 5, 1, 0; 2000 GB₁₇₈, 5, 1, 0; 2000 GC₁₇₈, 14, 3, 56; 2000 GD₁₇₈, 4, 1, 0; 2000 GE₁₇₈, 4, 1, 0; 2000 GF₁₇₈, 5, 1, 0; 2000 GG₁₇₈, 25, 5, 87; 2000 GH₁₇₈, 5, 1, 0; 2000 GJ₁₇₈, 4, 1, 0; 2000 GK₁₇₈, 4, 1, 0; 2000 GL₁₇₈, 4, 1, 0; 2000 GM₁₇₈, 3, 1, 0; 2000 GO₁₇₈, 17, 4, 476; 2000 GP₁₇₈, 9, 2, 25; 2000 GS₁₇₈ *, 3, 1, 0; 2000 GW₁₇₈ *, 7, 2, 9; 2000 GY₁₇₈ *, 9, 2, 9; 2000 GZ₁₇₈ *, 10, 2, 10; 2000 GA₁₇₉ *, 8, 2, 10; 2000 GB₁₇₉ *, 9, 2, 9; 2000 GC₁₇₉ *, 3, 1, 0; 2000 GD₁₇₉ *, 7, 2, 9; 2000 GE₁₇₉ *, 4, 1, 0; 2000 GF₁₇₉ *, 3, 1, 0; 2000 GH₁₇₉ *, 4, 1, 0; 2000 GJ₁₇₉ *, 4, 1, 0; 2000 GK₁₇₉ *, 5, 1, 0; 2000 GL₁₇₉ *, 5, 1, 0; 2000 GM₁₇₉ *, 4, 1, 0; 2000 GN₁₇₉ *, 5, 1, 0; 2000 GO₁₇₉ *, 3, 1, 0; 2000 GP₁₇₉ *, 5, 1, 0; 2000 GQ₁₇₉ *, 4, 1, 0; 2000 GR₁₇₉ *, 4, 1, 0; 2000 GS₁₇₉ *, 5, 1, 0; 2000 GT₁₇₉ *, 4, 1, 0; 2000 GU₁₇₉ *, 4, 1, 0; 2000 GV₁₇₉ *, 4, 1, 0; 2000 GW₁₇₉ *, 4, 1, 0; 2000 GX₁₇₉ *, 5, 1, 0; 2000 GY₁₇₉, 3, 1, 0; 2000 GZ₁₇₉ *, 4, 1, 0; 2000 GA₁₈₀ *, 4, 1, 0; 2000 GB₁₈₀ *, 5, 1, 0; 2000 GC₁₈₀ *, 3, 1, 0; 2000 GD₁₈₀ *, 4, 1, 0; 2000 GE₁₈₀ *, 4, 1, 0; 2000 GF₁₈₀ *, 3, 1, 0; 2000 GH₁₈₀ *, 3, 1, 0; 2000 GK₁₈₀ *, 8, 2, 69; 2000 GL₁₈₀ *, 4, 1, 0; 2000 GM₁₈₀ *, 4, 1, 0; 2000 GN₁₈₀ *, 3, 1, 0; 2000 GO₁₈₀ *, 4, 1, 0; 2000 GP₁₈₀ *, 4, 1, 0; 2000 GQ₁₈₀ *, 4, 1, 0; 2000 GR₁₈₀ *, 4, 1, 0; 2000 GS₁₈₀ *, 3, 1, 0; 2000 GT₁₈₀ *, 3, 1, 0; 2000 GU₁₈₀ *, 3, 1, 0; 2000 GV₁₈₀ *, 4, 1, 0; 2000 GW₁₈₀ *, 3, 1, 0; 2000 GX₁₈₀ *, 4, 1, 0; 2000 GY₁₈₀ *, 3, 1, 0; 2000 GZ₁₈₀ *, 4, 1, 0; 2000 GA₁₈₁ *, 4, 1, 0; 2000 GB₁₈₁ *, 5, 1, 0; 2000 GC₁₈₁ *, 5, 1, 0; 2000 GH₁₈₁ *, 5, 1, 0; 2000 GJ₁₈₁ *, 5, 1, 0; 2000 GK₁₈₁ *, 5, 1, 0; 2000 GL₁₈₁ *, 4, 1, 0; 2000 GM₁₈₁ *, 4, 1, 0; 2000 GN₁₈₁ *, 5, 1, 0; 2000 GO₁₈₁ *, 4, 1, 0; 2000 GP₁₈₁ *, 5, 1, 0; 2000 GQ₁₈₁ *, 4, 1, 0; 2000 GR₁₈₁ *, 4, 1, 0; 2000 GU₁₈₁ *, 4, 1, 0; 2000 GV₁₈₁ *, 3, 1, 0; 2000 GW₁₈₁ *, 3, 1, 0; 2000 GO₁₈₃ *, 3, 1, 0; 2000 HF₁₈₃, 3, 1, 0; 2000 HG₁₈₃, 4, 1, 0; 2000 HH₁₈₃, 2, 29; 2000 HU₁₈₃, 4, 1, 0; 2000 HC₁₈₄, 5, 1, 0; 2000 HW₁₈₄, 5, 1, 0; 2000 HL₁₈₄, 8, 2, 33; 2000 HE₁₈₄, 12, 2, 1; 2000 HE₁₈₄, 10, 2, 31; 2000 HP₁₈₄, 8, 2, 413; 2000 HH₁₈₄, 5, 1, 0; 2000 HE₁₄, 5, 1, 0; 2000 HH₁₄, 8, 2, 8; 2000 HP₁₄, 5, 1, 0; 2000 HS₁₄, 5, 1, 0; 2000 HT₁₄, 4, 1, 0; 2000 HH₁₅, 24, 3, 533; 2000 HJ₁₅, 5, 1, 0; 2000 HK₁₆, 7, 2, 25; 2000 HA₂₀, 9, 2, 22; 2000 HB₂₀, 5, 1, 0; 2000 HM₂₀, 4, 1, 0; 2000 HV₂₀, 4, 1, 0; 2000 HB₂₁, 8, 1, 0; 2000 HS₂₁, 5, 1, 0; 2000 HZ₂₂, 4, 1, 0; 2000 HA₂₃, 3, 1, 0; 2000 HS₂₃, 10, 2, 29; 2000 HM₂₅, 13, 3, 519; 2000 HJ₂₇, 5, 1, 0; 2000 HO₂₇, 5, 1, 0; 2000 HX₂₇, 7, 2, 61; 2000 HG₂₈, 5, 1, 0; 2000 HJ₂₈, 12, 3, 118; 2000 HL₂₈, 9, 2, 52; 2000 HP₂₈, 8, 2, 590; 2000 HQ₂₈, 3, 1, 0; 2000 HT₂₉, 4, 1, 0; 2000 HU₂₉, 5, 1, 0; 2000 HO₃₀, 5, 1, 0; 2000 HQ₃₀, 8, 2, 9; 2000 HW₃₀, 12, 3, 81; 2000 HG

16; (553), 7, 2, 16; (558), 5, 1, 0; (559), 8, 3, 28; (562), 3, 1, 0; (563), 9, 2, 16; (569), 10, 2, 16; (570), 10, 2, 16; (578), 2, 1, 0; (580), 5, 1, 0; (581), 6, 2, 5; (582), 5, 1, 0; (583), 3, 1, 0; (587), 7, 2, 16; (590), 5, 1, 0; (593), 14, 3, 29; (594), 10, 2, 2; (601), 10, 1, 0; (608), 10, 2, 16; (613), 5, 1, 0; (620), 3, 1, 0; (653), 4, 1, 0; (654), 4, 1, 0; (656), 10, 2, 16; (666), 8, 2, 13; (667), 3, 1, 0; (671), 4, 1, 0; (675), 5, 2, 13; (684), 10, 2, 16; (686), 5, 1, 0; (694), 4, 1, 0; (700), 10, 2, 29; (704), 8, 2, 16; (706), 14, 4, 28; (708), 5, 1, 0; (712), 2, 1, 0; (713), 3, 1, 0; (714), 9, 2, 29; (716), 3, 1, 0; (717), 10, 2, 16; (722), 4, 1, 0; (730), 3, 1, 0; (731), 5, 1, 0; (736), 15, 4, 16; (738), 10, 2, 16; (739), 8, 2, 5; (740), 10, 2, 16; (741), 7, 2, 1; (744), 6, 2, 16; (748), 4, 1, 0; (755), 4, 1, 0; (763), 10, 2, 16; (766), 3, 1, 0; (767), 5, 1, 0; (775), 9, 2, 16; (800), 6, 3, 28; (801), 9, 2, 5; (802), 7, 2, 28; (807), 3, 1, 0; (808), 10, 2, 9; (813), 5, 1, 0; 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(10437), 9, 2, 11; (10439), 4, 1, 0; (10442), 4, 1, 0; (10443), 4, 1, 0; (10447), 4, 1, 0; (10448), 4, 1, 0; (10449), 10, 2, 13; (10450), 9, 2, 29; (10453), 4, 1, 0; (10454), 11, 3, 27; (10455), 5, 1, 0; (10457), 8, 2, 27; (10461), 3, 1, 0; (10465), 5, 1, 0; (10473), 5, 1, 0; (10480), 8, 1, 0; (10481), 5, 1, 0; (10483), 10, 2, 16; (10490), 4, 1, 0; (10491), 10, 2, 16; (10493), 4, 1, 0; (10495), 4, 1, 0; (10497), 12, 3, 13; (10503), 5, 1, 0; (10504), 9, 2, 16; (10505), 7, 2, 13; (10513), 3, 1, 0; (10516), 7, 2, 27; (10517), 5, 1, 0; (10520), 5, 1, 0; (10523), 3, 1, 0; (10525), 13, 3, 28; (10530), 4, 1, 0; (10533), 10, 2, 16; (10534), 8, 2, 13; (10535), 10, 2, 3; (10536), 18, 4, 16; (10537), 5, 1, 0; (10539), 5, 1, 0; (10542), 5, 1, 0; (10545), 8, 2, 16; (10550), 10, 2, 16; (10551), 10, 2, 13; (10556), 5, 1, 0; (10560), 6, 2, 12; (10566), 8, 2, 16; (10570), 5, 1, 0; (10571), 3, 1, 0; (10574), 5, 1, 0; (10576), 8, 2, 16; (10586), 10, 2, 16; (10589), 4, 1, 0; (10592), 5, 1, 0; (10595), 19, 4, 28; (10596), 9, 2, 16; (10598), 5, 1, 0; (10600), 6, 2, 16; (10603), 7, 2, 16; (10605), 5, 1, 0; (10611), 9, 2, 9; (10613), 8, 2, 1; (10617), 8, 2, 16; (10618), 8, 2, 20; (10620), 12, 3, 28; (10621), 8, 2, 16; (10622), 3, 1, 0; (10623), 4, 1, 0; (10624), 5, 1, 0; (10625), 4, 1, 0; (10628), 4, 1, 0; (10629), 5, 1, 0; (10630), 10, 2, 16; (10631), 9, 2, 16; (10639), 9, 2, 20; (10642), 5, 1, 0; (10643), 5, 1, 0; (10644), 5, 1, 0; (10646), 14, 3, 28; (10648), 3, 1, 0; (10653), 5, 1, 0; (10658), 3, 1, 0; (10662), 9, 2, 16; (10666), 4, 1, 0; (10669), 7, 2, 13; (10670), 3, 1, 0; (10677), 4, 1, 0; (10688), 5, 1, 0; (10689), 3, 1, 0; (10702), 5, 1, 0; (10704), 8, 2, 13; (10706), 5, 1, 0; (10708), 18, 4, 16; (10709), 8, 2, 20; (10712), 4, 1, 0; (10715), 7, 2, 13; (10727), 10, 2, 16; (10733), 3, 1, 0; (10734), 4, 1, 0; (10735), 9, 2, 16; (10740), 3, 1, 0; (10748), 4, 1, 0; (10757), 10, 2, 16; (10763), 3, 1, 0; (10764), 5, 1, 0; (10771), 3, 1, 0; (10774), 8, 2, 16; (10776), 4, 1, 0; (10783), 9, 2, 16; (10788), 14, 3, 16; (10789), 8, 2, 16; (10792), 4, 1, 0; (10794), 4, 1, 0; (10795), 4, 1, 0; (10801), 4, 1, 0; (10806), 5, 1, 0; (10807), 4, 1, 0; (10810), 3, 1, 0; (10811), 9, 2, 16; (10812), 4, 1, 0; (10816), 4, 1, 0; (10817), 5, 1, 0; (10820), 3, 1, 0; (10840), 10, 2, 16; (10852), 3, 1, 0; (10855), 8, 1, 0; (10864), 5, 1, 0; (10865), 10, 2, 16; (10876), 9, 2, 16; (10879), 9, 2, 16; (10882), 3, 1, 0; (10886), 9, 2, 20; (10889), 5, 1, 0; (10890), 9, 2, 16; (10895), 4, 1, 0; (10900), 5, 1, 0; (10901), 3, 1, 0; (10903), 6, 2, 16; (10904), 4, 1, 0; (10911), 6, 2, 11; (10912), 5, 1, 0; (10916), 10, 2, 16; (10920), 4, 1, 0; (10924), 5, 1, 0; (10929), 8, 2, 16; (10933), 3, 1, 0; (10934), 4, 1, 0; (10939), 13, 2, 16; (10940), 8, 2, 1; (10945), 8, 2, 16; (10962), 4, 1, 0; (10976), 5, 1, 0; (10980), 5, 1, 0; (10981), 5, 1, 0; (10986), 4, 1, 0; (11002), 12, 3, 16; (11009), 5, 1, 0; (11020), 9, 2, 16; (11029), 10, 2, 16; (11035), 6, 2, 16; (11039), 4, 1, 0; (11044), 5, 1, 0; (11060), 4, 1, 0; (11062), 5, 1, 0; (11070), 5, 1, 0; (11072), 4, 1,

0; (11074), 5, 1, 0; (11078), 8, 2, 29; (11090), 3, 1, 0; (11098), 5, 1, 0; (11110), 7, 2, 13; (11116), 5, 1, 0; (11145), 9, 2, 16; (11146), 10, 2, 13; (11151), 7, 2, 13; (11156), 4, 1, 0; (11170), 5, 1, 0; (11191), 7, 2, 29; (11195), 10, 2, 16; (11196), 4, 1, 0; (11197), 9, 2, 16; (11199), 3, 1, 0; (11202), 3, 1, 0; (11209), 10, 2, 16; (11210), 4, 1, 0; (11213), 4, 1, 0; (11215), 9, 2, 16; (11216), 8, 2, 16; (11222), 4, 1, 0; (11223), 7, 2, 16; (11225), 4, 1, 0; (11228), 4, 1, 0; (11232), 9, 2, 28; (11234), 16, 4, 28; (11235), 10, 2, 16; (11237), 4, 1, 0; (11246), 4, 1, 0; (11247), 5, 1, 0; (11256), 4, 1, 0; (11269), 8, 2, 16; (11282), 7, 2, 11; (11285), 5, 1, 0; (11296), 5, 1, 0; (11319), 5, 1, 0; (11334), 5, 1, 0; (11336), 9, 2, 16; (11352), 9, 2, 13; (11354), 5, 1, 0; (11355), 9, 2, 16; (11392), 3, 1, 0; (11399), 10, 2, 16; (11406), 4, 1, 0; (11407), 5, 1, 0; (11408), 10, 2, 16; (11409), 5, 1, 0; (11410), 4, 1, 0; (11413), 4, 1, 0; (11432), 6, 2, 16; (11542), 4, 1, 0; (11572), 4, 1, 0; (11666), 3, 1, 0; (11667), 5, 1, 0; (11743), 4, 1, 0; (11755), 7, 2, 16; (11756), 8, 2, 16; (11831), 5, 1, 0; (11887), 3, 1, 0; (12053), 4, 1, 0; (12116), 4, 1, 0; (12242), 4, 1, 0; (12538), 4, 1, 0; (12848), 5, 1, 0; (13031), 5, 1, 0; (13059), 5, 1, 0; (13500), 8, 2, 28; (13506), 3, 1, 0; (13508), 5, 1, 0; (13521), 5, 1, 0; (13563), 12, 3, 16; (13575), 5, 1, 0; (13581), 4, 1, 0; (13582), 5, 1, 0; (13607), 5, 1, 0; (13638), 5, 1, 0; (13643), 4, 1, 0; (13952), 4, 1, 0; (13956), 5, 1, 0; (13958), 4, 1, 0; (13959), 5, 1, 0; (13977), 5, 1, 0; (14001), 5, 1, 0; (14007), 5, 1, 0; (14037), 5, 1, 0; (14051), 3, 1, 0; (14063), 4, 1, 0; (14102), 9, 2, 29; (14165), 5, 1, 0; (14166), 4, 1, 0; (14191), 5, 1, 0; (14200), 3, 1, 0; (14205), 5, 1, 0; (14207), 5, 1, 0; (14256), 5, 1, 0; (14309), 5, 1, 0; (14315), 3, 1, 0; (14316), 10, 2, 5; (14332), 5, 1, 0; (14338), 5, 1, 0; (14339), 7, 2, 5; (14352), 4, 1, 0; (14373), 5, 1, 0; (14374), 4, 1, 0; (14379), 5, 1, 0; (14420), 5, 1, 0; (14425), 10, 2, 29; (14434), 5, 1, 0; 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(15070), 5, 1, 0; (15071), 3, 1, 0; (15077), 5, 1, 0; (15078), 5, 1, 0; (15085), 5, 1, 0; (15089), 5, 1, 0; (15090), 5, 1, 0; (15104), 5, 1, 0; (15112), 4, 1, 0; (15114), 4, 1, 0; (15130), 5, 1, 0; (15140), 5, 1, 0; (15142), 4, 1, 0; (15143), 5, 1, 0; (15144), 4, 1, 0; (15149), 5, 1, 0; (15158), 5, 1, 0; (15163), 9, 2, 590; (15164), 5, 1, 0; (15165), 5, 1, 0; (15166), 4, 1, 0; (15167), 5, 1, 0; (15172), 4, 1, 0; (15182), 5, 1, 0; (15199), 9, 2, 13; (15200), 5, 1, 0; (15204), 3, 1, 0; (15208), 5, 1, 0; (15214), 5, 1, 0; (15222), 9, 2, 13; (15224), 5, 1, 0; (15248), 5, 1, 0; (15251), 5, 1, 0; (15252), 5, 1, 0; (15254), 8, 2, 9; (15260), 9, 2, 29; (15267), 5, 1, 0; (15271), 14, 2, 13; (15273), 3, 1, 0; (15277), 5, 1, 0; (15281), 10, 2, 13; (15287), 9, 2, 29; (15294), 13, 3, 13; (15297), 7, 2, 16; (15298), 9, 2, 28; (15302), 5, 1, 0; (15305), 4, 1, 0; (15316), 5, 1, 0; (15317), 9, 2, 29; (15321), 4, 1, 0; (15325), 4, 1, 0; (15328), 4, 1, 0; (15332), 3, 1, 0; (15334), 4, 1, 0; (15337), 10, 2, 29; (15341), 5, 1, 0; (15348), 5, 1, 0; (15349), 4, 1, 0; (15356), 5, 1, 0; (15357), 5, 1, 0; (15363), 3, 1, 0; (15368), 7, 2, 13; (15369), 5, 1, 0; (15381), 7, 2, 29; (15382), 3, 1, 0; (15390), 3, 1, 0; (15394), 5, 1, 0; (15399), 5, 1, 0; (15402), 13, 4, 73; (15403), 3, 1, 0; (15404), 4, 1, 0; (15407), 7, 2, 9; (15408), 8, 2, 13; (15410), 5, 1, 0; (15414), 5, 1, 0; (15416), 14, 3, 29; (15417), 5, 1, 0; (15430), 5, 1, 0; (15431), 5, 1, 0; (15432), 3, 1, 0; (15439), 4, 1, 0; (15444), 5, 1, 0; (15471), 5, 1, 0; (15477), 3, 1, 0; (15478), 4, 1, 0; (15480), 5, 1, 0; (15495), 9, 2, 13; (15496), 8, 2, 16; (15499), 3, 1, 0; (15500), 5, 1, 0; (15518), 5, 1, 0; (15549), 5, 1, 0; (15557), 5, 1, 0; (15562), 5, 1, 0; (15578), 5, 1, 0; (15580), 9, 2, 29; (15581), 5, 1, 0; (15590), 3, 1, 0; (15592), 4, 1, 0; (15596), 9, 2, 28; (15604), 5, 1, 0; (15605), 3, 1, 0; (15608), 4, 1, 0; (15609), 4, 1, 0; (15610), 5, 1, 0; (15614), 5, 1, 0; (15634), 10, 2, 29; (15638), 3, 1, 0; (15654), 4, 1, 0; (15658), 10, 2, 8; (15662), 5, 1, 0; (15665), 3, 1, 0; [103684, 15256, 2634*, 1995/12/20-2000/07/23]

706 Salinas

J. E. Hall, 10180 County Rd. 190, Salida, CO 81201, U.S.A. [teila@rmi.net]

0.25-m $f/6$ Newtonian reflector + CCD

GSC

1999 VA₁₇₇, 2, 1, 0; 2000 EA₄₆, 2, 1, 0; 2000 GN₁₇₈ *, 2, 1, 0; 2000 NM, 10, 2, 1; [16, 4, 1*, 1999/11/06-2000/07/06]

711 McDonald Observatory

T. L. Farnham, University of Texas, Austin, TX 78712, U.S.A.

[farnham@zinfandel.as.utexas.edu]

0.76-m $f/3.0$ reflector + CCD

GSC-1.1

1999 AL₂₁, 5, 2, 1; 2000 GO₁₀₃, 3, 1, 0; 2000 GN₁₀₅, 7, 2, 1; 2000 JC₈₇ *, 7, 2, 1; 2000 JD₈₇ *, 7, 2, 1; 2000 JE₈₇ *, 7, 2, 1; 2000 JF₈₇ *, 7, 2, 1; 2000 JG₈₇ *, 7, 2, 1; 2000 JH₈₇ *, 6, 2, 1; 2000 JJ₈₇ *, 7, 2, 1; 2000 JK₈₇ *, 7, 2, 1; (5145), 8, 4, 3; (15084), 2, 1, 0; [80, 13, 8*, 2000/05/02-2000/05/05]

713 Thornton

R. A. Koff, 1915 W. 101st Ave., Thornton, CO 80221, U.S.A.

[Bob.Koff@worldnet.att.net]

0.20-m $f/10$ Schmidt-Cassegrain + CCD
USNO-A2.0

2000 OH, 5, 1, 0; [5, 1, 0*, 2000/07/23]

715 Las Cruces

D. S. Dixon, 5975 Moonrise Vista, Las Cruces, NM 88012, U.S.A.

[ddixon@lascruces.com]

0.3-m $f/3.5$ Schmidt-Cassegrain + CCD
USNO-A2.0

1999 CY₁, 3, 1, 0; 1999 CB₈, 3, 1, 0; 1999 RH₂₄₆, 3, 1, 0; [9, 3, 0*, 1999/09/13-2000/07/12]

716 Palmer Divide Observatory

B. D. Warner, 17995 Bakers Farm Rd., Colorado Springs, CO 80908, U.S.A.

[brianw_mpo@compuserve.com]

0.5-m $f/4.6$ Richey-Chretien + CCD
GSC, USNO-A2.0

1999 CZ₁, 6, 2, 1; 2000 JZ₃₇, 3, 1, 0; 2000 KL₄₈, 2, 1, 0; 2000 LH₁, 2, 1, 0; 2000 LJ₁, 2, 1, 0; [15, 5, 0*, 2000/06/24-2000/07/04]

718 University of Utah Hansen Planetarium, Tooele

P. Wiggins, University of Utah Hansen Planetarium, 15 South State Street, Salt

Lake City, UT 84111-1590, U.S.A. [p.wiggins@m.cc.utah.edu]

Observers P. Wiggins, H. Phaneuf

0.35-m $f/4.1$ Schmidt-Cassegrain + CCD
GSC

(4461), 4, 1, 0; [4, 1, 0*, 2000/06/29]

719 Etscorn Observatory

D. A. Klinglesmith III, 1215 Vista Drive, Socorro, NM 87801, U.S.A.

[TheKs@aol.com]

0.355-m Schmidt-Cassegrain + CCD
GSC

1999 VA₁₇₇, 12, 1, 0; 2000 OG, 2, 1, 0; 2000 OH, 1, 1, 0; [15, 3, 0*, 1999/11/06-2000/07/23]

720 Universidad de Monterrey

P. V. Sada, Apartado Postal 134-C, MX-66270 San Pedro Garza García, Nuevo

Leon, Mexico [psada@ix.netcom.com]

0.18-m $f/15.0$ Maksutov + focal reducer + CCD
USNO-A2.0

1993 DQ, 6, 2, 1; 1997 UA₉, 5, 2, 1; 1999 AU, 6, 2, 1; 1999 BD₁₂, 6, 2, 1; 1999 DN₇, 5, 2, 1; (111), 5, 1, 0; [33, 6, 0*, 2000/07/05-2000/07/06]

721 Lime Creek

R. Linderholm, R2 Box 79, Cambridge, NE 69022, U.S.A. [lindh@swnebr.net]

0.25-m $f/3.3$ Schmidt-Cassegrain + CCD
GSC

1996 TD₁₁, 2, 1, 0; 1998 XG₅₃, 4, 2, 1; [6, 2, 0*, 2000/06/21-2000/06/22]

723 Cottonwood Observatory, Ada

J. Waller, Rt#3 Box 175c, Ada, OK 74820, U.S.A. [jwaller@chickasaw.com]

0.30-m $f/6$ Schmidt-Cassegrain + CCD
GSC-ACT

1998 FK₁₁₄, 3, 1, 0; 1998 HD₁₂₄, 3, 1, 0; 1998 MM₃₇, 3, 1, 0; 1998 VK₁₄, 2, 1, 0; 1999 TR₂₉₂, 3, 1, 0; [14, 5, 0*, 1999/11/11-2000/03/12]

725 Fair Oaks Ranch

J. V. McClusky, McClusky Observatory, 31789 Sunland, Fair Oaks Ranch,
TX 78015, U.S.A. [mcclusky@lonestar.utsa.edu]

0.46-m $f/4.5$ Newtonian reflector + CCD
GSC-ACT

1996 RS₁₁, 2, 1, 0; 1998 SG₁₅, 3, 1, 0; 2000 AZ₁₄₄, 2, 1, 0; 2000 CE₁₁₅, 3, 1, 0; 2000 DU₂, 2, 1, 0; 2000 DR₁₁₀, 6, 2, 7; (10238), 2, 1, 0; [20, 7, 0*, 1998/12/13-2000/05/30]

726 Brainerd

J. E. Wentworth, 6469 Madson Ave. N.W., Brainerd, MN 56401, U.S.A.

[jimw@brainerd.net]

Observer J. E. Wentworth

0.280-m Schmidt-Cassegrain + CCD
GSC-1.1

1991 PM₅, 12, 2, 2; 2000 NM, 63, 11, 18; 2000 OG, 10, 2, 1; 2000 OH, 8, 2, 1; [93, 4, 0*, 2000/07/05-2000/07/23]

732 Oaxaca

J. Roe, Apdo. No. 221, MX-68000 Oaxaca, Mexico [jamesroe@antequera.com]

0.25-m $f/3.4$ reflector + CCD
GSC-ACT

1997 CS₁₉, 3, 1, 0; 1998 HU₁₄₈, 3, 1, 0; [6, 2, 0*, 1999/11/15-1999/11/19]

734 Farpoint Observatory, Eskridge

G. Hug, RTE 1 Box 35c, Eskridge, KS 66423, U.S.A. [frogstar@inlandnet.net]

Observers G. Bell, G. Hug, C. Hug, J. Edmunds

0.30-m Schmidt-Cassegrain + CCD
GSC-1.1, USNO-SA1.0

1998 DU, 5, 1, 0; 1998 FW₁₀₈, 3, 1, 0; 1998 YL₄, 3, 1, 0; 1999 JR₂, 3, 1, 0; 1999 JY₃, 7, 2, 8; 1999 SB₂₂ *, 3, 1, 0; 1999 SF₂₂ *, 4, 1, 0; 1999 VT₁₀₆, 3, 1, 0; 2000 AS₉₂, 3, 1, 0; 2000 BK₃₆ *, 3, 1, 0; 2000 HO₁₁, 2, 1, 0; 2000 HG₇₆, 4, 1, 0; 2000 LR₁, 8, 2, 13; 2000 LU₂, 7, 2, 13; 2000 LG₃, 10, 3, 28; 2000 MO₁ *, 13, 4, 12; 2000 MZ₁ *, 14, 5, 28; 2000 MA₂ *, 10, 3, 10; 2000 MB₂ *, 10, 3, 10; 2000 MX₂ *, 7, 2, 2; 2000 MD₃ *, 12, 4, 20; 2000 ME₃ *, 8, 2, 3; 2000 MF₃ *, 5, 2, 3; 2000 MG₃ *, 8, 3, 6; 2000 NJ₃ *, 15, 5, 16; 2000 NK₃ *, 11, 4, 3; 2000 NY₅ *, 11, 4, 14; 2000 NG₁₀ *, 13, 4, 13; 2000 NJ₁₁ *, 6, 2, 2; 2000 NQ₁₁, 2, 1, 0; 2000 OK *, 5, 2, 4; (5305), 3, 1, 0; (6645), 3, 1, 0; [224, 33, 18*, 1999/07/11-2000/07/23]

735 George Observatory, Needville

W. G. Dillon, 4703 Birkenhead Circle, Missouri City, TX 77459, U.S.A.

[bdillon@houston.geoquest.slb.com]

Observers L. Casady, J. Dellinger, W. G. Dillon, R. Pepper, A. Cruz, C. Gustava,
K. Rivich

Measurers W. G. Dillon, K. Rivich

0.46-m reflector + CCD
USNO-A2.0

1996 HJ₂₃, 2, 1, 0; 2000 CB₄₁, 2, 1, 0; 2000 EB₁₇₃, 2, 2, 1; 2000 NM, 3, 1, 0; [9, 4, 0*, 2000/04/06-2000/07/06]

739 Sunflower Observatory, Olathe

L. Robinson, Sunflower Observatory, 14680 W. 144 St., Olathe, KS 66062, U.S.A.

[lrobinson@ix.netcom.com]

Observers L. Robinson, L. Bellavance

0.30-m Schmidt-Cassegrain + CCD
GSC-1.1

1991 PM₅, 12, 4, 11; 1994 EY₅, 3, 1, 0; 1994 PC₉, 2, 1, 0; 1996 CP₇, 3, 1, 0; 1996 RP, 3, 1, 0; 1997 EF, 4, 1, 0; 1997 UX₂, 3, 1, 0; 1998 BM₇, 2, 1, 0; 1998 FS₅₇, 3, 1, 0; 1999 AM₂₄, 3, 1, 0; 1999 DZ₄, 2, 1, 0; 1999 JD₆, 9, 3, 8; 2000 GK₁₃₇, 3, 1, 0; 2000 JA₃, 7, 2, 12; 2000 JZ₃₇, 6, 1, 0; 2000 JG₅₇, 3, 1, 0; 2000 JH₅₈, 3, 1, 0; 2000 JL₅₈, 3, 1, 0; 2000 JZ₅₈, 3, 1, 0; 2000 JQ₆₆, 10, 3,

14; 2000 KS₂, 3, 1, 0; 2000 KX₂₆, 3, 1, 0; 2000 KL₃₃, 3, 1, 0; 2000 LM, 10, 3, 10; 2000 LC₁₆, 6, 2, 10; 2000 NM, 25, 7, 18; 2000 NX₃, 3, 1, 0; 2000 OG, 12, 3, 2; 2000 OH, 11, 3, 2; (274), 3, 1, 0; (419), 6, 2, 3; (433), 3, 1, 0; (914), 3, 1, 0; (1672), 3, 1, 0; (1965), 3, 1, 0; (2100), 3, 1, 0; (2258), 5, 1, 0; (2655), 3, 1, 0; (2762), 3, 1, 0; (3102), 3, 1, 0; (3730), 3, 1, 0; (4179), 6, 2, 10; (5176), 3, 1, 0; (5243), 3, 1, 0; (7145), 2, 1, 0; (8105), 3, 1, 0; (8284), 3, 1, 0; (8322), 2, 1, 0; (9780), 5, 1, 0; (11392), 3, 1, 0; (15275), 2, 1, 0; [236, 51, 0*, 1999/09/06-2000/07/24]

747 Baton Rouge Observatory

W. R. Cooney, Jr., 1927 Fairview Dr., Port Allen, LA 70767, U.S.A.

[walt@sprintmail.com]

Observers W. R. Cooney, Jr, M. Hess, D. Taylor

Measurers W. R. Cooney, Jr

0.51-m $f/8.4$ reflector + CCD

USNO-A2.0

1998 HO₃, 3, 1, 0; 1998 HH₁₂₅, 4, 1, 0; 1999 VF₂₂₆, 3, 1, 0; [10, 3, 0*, 1999/10/03-1999/11/19]

758 BCC Observatory, Cocoa

I. P. Griffin, Auckland Observatory, P.O. Box 24-180, Royal Oak, Auckland, New

Zealand [iang@stardome.org.nz]

0.30-m $f/5$ Maksutov + CCD

USNO-A2.0

2000 EB₁₃₄, 3, 1, 0; [3, 1, 0*, 1998/12/22]

762 Four Winds Observatory, Lake Leelanau

R. Elliott, 1422 South Manitou Trail, Lake Leelanau, MI 49653, U.S.A.

[elliottb@uwec.edu]

0.3-m $f/3.3$ reflector + CCD

GSC

2000 LJ₁₄, 4, 1, 0; 2000 NM, 31, 2, 3; (594), 3, 1, 0; [38, 3, 0*, 2000/07/04-2000/07/07]

801 Oak Ridge

R. E. McCrosky, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street,

Cambridge, MA 02138, U.S.A.

1.5-m reflector + CCD

GSC

1998 UN₄₀, 2, 1, 0; 1999 AJ₃₄, 2, 1, 0; 1999 XV₂, 2, 1, 0; 2000 AU₆₆, 2, 1, 0; 2000 CB₃₀, 2, 1, 0;

2000 DK₃, 2, 1, 0; [12, 6, 0*, 1992/12/21-1996/04/19]

808 Carlos U. Cesco Observatory, El Leoncito

C. E. Lopez, Felix Aguilar Observatory, Benavidez 8175 (Oeste), AR-5407

Marquesado-San Juan, Argentina [clopez@iinfo.unsj.edu.ar]

Observers H. S. Lepez, J. E. Torres

Measurer H. S. Lepez

0.5-m $f/7.5$ double astrograph + CCD

GSC

1978 RN₅, 2, 1, 0; 1986 VM₆, 2, 1, 0; 1990 QU₉, 2, 1, 0; 1990 SX₁₀, 2, 1, 0; 1991 TD₆, 2, 1, 0; 1993 TC, 2, 1, 0; 1994 PZ, 2, 1, 0; 1996 AD₁₀, 2, 1, 0; 1998 AZ₅, 2, 1, 0; 1998 VU₄₁, 2, 1, 0; 1999 AL₅, 2, 1, 0; 1999 CX₅₂, 2, 1, 0; 1999 CZ₇₆, 2, 1, 0; 1999 DP₁, 2, 1, 0; 1999 FJ₁₀, 2, 1, 0; 1999 FM₂₂, 2, 1, 0; 1999 NY₂₂, 2, 1, 0; 1999 VU₂₈, 2, 1, 0; 1999 XH₂₁₃, 2, 1, 0; 2000 AQ₉₆, 2, 1, 0; 2000 LY₂₇, 4, 2, 9; 2000 NM, 10, 2, 1; (36), 2, 1, 0; (1170), 2, 1, 0; (1508), 2, 1, 0; (1837), 1, 1, 0; (1919), 2, 1, 0; (2311), 2, 1, 0; (2791), 1, 1, 0; (3118), 4, 2, 10; (3293), 2, 1, 0; (3682), 2, 1, 0; (4179), 2, 1, 0; (4217), 4, 2, 3; (4617), 2, 1, 0; (5042), 2, 1, 0; (5635), 1, 1, 0; (5649), 1, 1, 0; (6042), 2, 1, 0; (6324), 2, 1, 0; (6349), 2, 1, 0; (6454), 2, 1, 0; (7161), 2, 1, 0; (7280), 2, 1, 0; (7962), 2, 1, 0; (8128), 2, 1, 0; (8230), 2, 1, 0; (8741), 1, 1, 0; (9842), 2, 1, 0; (9873), 2, 1, 0; (9986), 2, 1, 0; (10125), 2, 1, 0; (10171), 2, 1, 0; (10261), 2, 1, 0; (10369), 2, 1, 0; (10372), 4, 2, 3; (10386), 2, 1, 0; (10645), 2, 1, 0; (10722), 2, 1, 0; (11146), 4, 2, 3; (11285), 2, 1, 0; (11358), 2, 1, 0; (11410), 2, 1, 0; (15085), 2, 1, 0; (15254), 2, 1, 0; (15425), 4, 2, 4; (15491), 3, 2, 10; (15498), 1, 1, 0; [151, 68, 0*, 1992/09/20-2000/07/06]

809 European Southern Observatory

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

U.S.A. [tholen@hale.ifa.hawaii.edu] (2)

H. Debehogne, Observatoire Royal de Belgique, Avenue Circulaire 3, B-1180

Brussels, Belgium [henri@astro.oma.be] (3)

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

Belgium [elst@atmos.oma.be] (4)

7 = 3 + 4

C.-I. Lagerkvist, Uppsala Observatory, Box 515, S-75120 Uppsala, Sweden

[classe@astro.uu.se] (8)

Observers G. Pizarro, O. Pizarro, A. Nathues, H. Debehogne, F. Colas, S. Mottola,

C. Delahodde, M. Vair, G. Szokoly

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

H. Debehogne, F. Colas, D. J. Tholen

1.0-m Schmidt, Bochum telescope + CCD

USNO-A2.0

{2} 2000 GD₁₄₇, 5, 3, 2; [5, 1, 0*, 2000/05/17-2000/05/19]

{3} 1999 FS₃, 9, 3, 3; [9, 1, 0*, 1992/07/27-1992/07/30]

{4} 1981 ER₄₂, 3, 1, 0; 1988 AD₅, 6, 2, 1; 1990 UD₂, 3, 1, 0; 1993 OZ₁₂, 3, 1, 0; 1993 SG₉, 3, 1, 0; 1993 TP₃₁, 3, 1, 0; 1994 CR₁₂, 3, 1, 0; 1994 EH₆, 3, 1, 0; 1994 PS₃₆, 3, 1, 0; 1994 RW₁₅, 3, 1, 0; 1994 VL₁, 3, 1, 0; 1995 VE₁, 3, 1, 0; 1996 AO₁₂, 3, 1, 0; 1996 GH₁₉, 3, 1, 0; 1996 HJ₁₁, 3, 1, 0; 1996 HR₁₅, 3, 1, 0; 1996 NM₃, 6, 2, 1; 1996 PD₉, 3, 1, 0; 1996 SA, 3, 1, 0; 1996 XF₁₀, 3, 1, 0; 1997 FV₂, 3, 1, 0; 1997 GU₄₂, 3, 1, 0; 1997 GR₄₄, 3, 1, 0; 1997 HT, 3, 1, 0; 1997 LX₅, 3, 1, 0; 1997 LL₉, 6, 1, 0; 1997 LY₉, 3, 1, 0; 1997 LV₁₀, 3, 1, 0; 1998 FR₁₆, 3, 1, 0; 1998 FV₂₈, 4, 2, 1; 1998 RL₃₄, 3, 1, 0; 1998 RN₇₂, 3, 1, 0; 1998 SN₃₇, 3, 1, 0; 1998 ST₇₇, 3, 1, 0; 1998 TB₃₂, 3, 1, 0; 1998 XZ₉, 3, 1, 0; 1998 XQ₂₈, 6, 2, 32; 1999 CF₂, 6, 2, 2; 1999 CW₂₂, 6, 2, 9; 1999 CX₈₁, 6, 2, 4; 1999 FY₂₀, 3, 1, 0; 1999 FQ₂₅, 3, 1, 0; 1999 GB₄₀, 3, 1, 0; 1999 HU₁, 3, 1, 0; 1999 JX₇₀, 1, 1, 0; 1999 NQ₁, 3, 1, 0; 1999 RD₂₂, 3, 1, 0; 1999 RK₂₃, 6, 2, 1; 1999 RG₄₉, 3, 1, 0; 1999 RN₁₃₀, 3, 1, 0; 1999 RX₁₇₃, 3, 1, 0; 1999 RG₂₂₁, 6, 2, 7; 1999 TB₁₂₈, 3, 1, 0; 1999 TT₁₈₀, 3, 1, 0; 1999 UE, 3, 1, 0; 1999 UZ, 6, 2, 1715; 1999 UD₈, 6, 2, 7; 1999 UE₁₃, 1, 1, 0; 1999 VT₁₀, 3, 1, 0; 1999 VY₃₄, 3, 1, 0; 1999 VP₈₁, 3, 1, 0; 1999 VV₈₁, 3, 1, 0; 1999 VM₈₆, 6, 2, 1; 1999 VM₉₂, 3, 1, 0; 1999 VU₉₂, 3, 1, 0; 1999 VN₁₀₆, 3, 1, 0; 1999 VW₁₃₅, 3, 1, 0; 1999 VP₁₄₃, 3, 1, 0; 1999 VS₁₅₆, 3, 1, 0; 1999 VZ₁₈₈, 3, 1, 0; 1999 WV₆, 3, 1, 0; 1999 XD₂₆, 6, 2, 1; 1999 XK₃₁, 3, 1, 0; 1999 XB₃₃, 3, 1, 0; 1999 XC₅₁, 3, 1, 0; 1999 XV₇₁, 3, 1, 0; 1999 XB₁₀₈, 3, 1, 0; 1999 XT₁₁₅, 3, 1, 0; 1999 XR₁₃₆, 3, 1, 0; 1999 XU₁₄₄, 3, 1, 0; 1999 XZ₁₅₉, 3, 1, 0; 1999 XV₁₆₈, 6, 2, 21; 1999 XF₁₇₂, 3, 1, 0; 2000 AX₄, 3, 1, 0; 2000 AK₃₁, 3, 1, 0; 2000 AU₅₉, 3, 1, 0; 2000 AB₆₄, 3, 1, 0; 2000 AA₆₅, 3, 1, 0; 2000 AQ₇₅, 3, 1, 0; 2000 AQ₈₈, 3, 1, 0; 2000 AK₁₀₀, 3, 1, 0; 2000 AT₁₃₆, 3, 1, 0; 2000 AJ₁₅₁, 3, 1, 0; 2000 AZ₁₅₁, 3, 1, 0; 2000 AQ₁₅₈, 3, 1, 0; 2000 AT₁₇₅, 3, 1, 0; 2000 AB₁₈₈, 3, 1, 0; 2000 AE₁₉₈, 3, 1, 0; 2000 AH₂₄₂, 3, 1, 0; 2000 BC₂₉, 3, 1, 0; 2000 CU, 3, 1, 0; 2000 CY₅₂, 3, 1, 0; 2000 DM₄₁, 3, 1, 0; 2000 DX₆₃, 3, 1, 0; 2000 EU₃₅, 3, 1, 0; 2000 EK₁₄₅, 3, 1, 0; 2000 FO₅₀, 2, 1, 0; 2000 FU₁₅, 3, 1, 0; 2000 FX₂₅, 3, 1, 0; 2000 FW₄₀, 3, 1, 0; 2000 FP₄₅, 6, 2, 1; 2000 GD₁₂, 6, 2, 3; 2000 GT₆₉, 6, 2, 11; 2000 GY₇₉, 3, 1, 0; 2000 GN₁₀₄, 3, 1, 0; 2000 HF₈, 3, 1, 0; 2000 KY₄₈, 3, 1, 0; 2050 P-L, 3, 1, 0; 2230 P-L, 3, 1, 0; 3514 P-L, 3, 1, 0; 4059 P-L, 7, 3, 11; 2159 T-2, 3, 1, 0; 2284 T-2, 3, 1, 0; 3510 T-3, 3, 1, 0; 4029 T-3, 3, 1, 0; 4141 T-3, 3, 1, 0; [430, 126, 0*, 1992/05/02-1998/09/23]

{7} 1992 EU₂, 3, 1, 0; 1993 TB₁₄, 6, 2, 12; 1995 AO₁, 3, 1, 0; 1995 DS₈, 3, 1, 0; 1996 HO₁₂, 3, 1, 0; 1996 HV₂₀, 3, 1, 0; 1997 FZ₂, 3, 1, 0; 1997 WF₃, 3, 1, 0; 1999 CO₅, 6, 2, 10; 1999 TH₂₁₈, 6, 2, 12; 1999 TR₂₃₀, 3, 1, 0; 1999 TB₂₄₃, 6, 2, 10; 1999 VU₃₁, 6, 2, 1; 1999 XS₃₆, 3, 1, 0; 1999 XS₁₀₇, 3, 1, 0; 1999 XX₂₄₄, 3, 1, 0; 2000 AJ₃₂, 6, 2, 1; 2000 DQ, 3, 1, 0; 2000 EY₁₅₀, 6, 2, 7; 2000 LV₂₁, 6, 2, 10; 2656 P-L, 3, 1, 0; 3510 T-3, 6, 2, 10; [93, 22, 0*, 1993/09/14-1994/06/09]

{8} 1994 CP₁₂, 6, 6, 11; 1995 SK₆, 13, 11, 33; 1995 SD₃₆, 1, 1, 0; 1996 RV₂₆, 1, 1, 0; 1996 RP₃₂, 1, 1, 0; 1996 TM₅₉, 2, 2, 24; 1996 TV₆₈, 1, 1, 0; 1996 VD₂₉, 4, 4, 34; 1996 XV, 3, 3, 28; 1996 XN₁₅, 2, 2, 28; 1997 CB₂₈, 6, 5, 5; 1997 CC₂₈, 2, 2, 1; 1997 DJ, 2, 2, 1; 1997 EE, 4, 3, 2; 1997 EN, 8, 6, 5; 1997 TD₂₈, 2, 1, 0; 1998 FD₃₃, 3, 3, 3; 1998 FO₅₀, 2, 1, 0; 1998 FX₅₁, 2, 1, 0; 1998 FK₆₆, 13, 11, 34; 1998 FC₁₂₉, 2, 2, 2; 1999 JN₈₂, 4, 4, 4; 1999 JD₈₃, 4, 3, 2; 1999 LL₇, 1, 1, 0; 1999 NF₈, 2, 2, 1; 1999 RJ₁₄, 8, 8, 32; 1999 RH₁₅, 4, 3, 2; 1999 RM₂₂, 2, 2, 1; 1999 RX₅₃, 5, 4, 3; 1999 RG₁₀₇, 3, 3, 3; 1999 RJ₁₁₈, 13, 10, 31; 1999 RE₁₂₈, 14, 10, 30; 1999 RR₁₄₁, 1, 1, 0; 1999 RV₁₅₀, 2, 2, 1; 1999 RO₁₉₀, 10, 9, 30; 1999 RL₂₃₅, 1, 1, 0; 1999 SN₁₅, 2, 2, 2; 1999 TL₄, 2, 2, 1; 1999 TW₂₇, 6, 6, 26; 1999 TK₇₇, 6, 6, 27; 1999 TC₉₁, 2, 1, 0; 1999 TX₁₀₃, 10, 8, 33; 1999 TR₁₄₃, 1, 1, 0; 1999 TD₁₈₁, 9, 8, 30; 1999 TE₁₉₈, 4, 4, 4; 1999 TG₂₄₂, 4, 4, 4; 1999 UV₁₅, 2, 2, 1; 1999 UQ₄₈, 14, 10, 31; 1999 UE₅₀, 2, 2, 1; 1999 VT₁₀, 4, 4, 7; 1999 VY₁₀, 4, 3, 2; 1999 VJ₂₁, 4, 3, 2; 1999 VV₂₉,

7, 7, 30; 1999 VY₃₀, 2, 2, 1; 1999 VB₃₂, 4, 3, 2; 1999 VE₃₉, 3, 3, 3; 1999 VY₅₁, 4, 4, 3; 1999 VW₅₃, 4, 3, 2; 1999 VW₅₈, 8, 8, 31; 1999 VS₉₃, 15, 13, 31; 1999 VP₁₇₀, 1, 1, 0; 1999 VO₁₇₂, 4, 4, 26; 1999 VW₂₁₂, 3, 2, 1; 1999 WV₁, 9, 7, 29; 1999 WF₃, 3, 3, 3; 1999 WV₃, 2, 2, 1; 1999 WL₁₃, 1, 1, 0; 1999 XK₁₃, 7, 5, 4; 1999 XT₂₂, 5, 4, 3; 1999 XV₂₃, 10, 9, 31; 1999 XC₂₇, 4, 3, 2; 1999 XH₃₉, 4, 3, 2; 1999 XO₄₃, 9, 9, 34; 1999 XM₉₇, 2, 2, 1; 1999 XL₁₀₈, 3, 3, 2; 1999 XR₁₀₉, 7, 7, 30; 1999 XC₁₁₆, 5, 5, 8; 1999 XX₁₂₀, 2, 2, 1; 1999 XZ₁₂₄, 4, 3, 2; 1999 XP₁₂₅, 6, 6, 29; 1999 XR₁₂₇, 10, 7, 11; 1999 XH₁₃₀, 3, 3, 2; 1999 XU₁₃₆, 4, 3, 2; 1999 XT₁₆₆, 8, 7, 27; 1999 XW₁₈₁, 2, 2, 1; 1999 YJ₉, 5, 5, 4; 2000 AX₈, 1, 1, 0; 2000 AF₆₈, 6, 6, 30; 2000 AW₈₃, 4, 4, 29; 2000 AA₁₀₃, 6, 6, 32; 2000 AZ₁₅₁, 15, 12, 38; 2000 AQ₁₈₈, 4, 3, 2; 2000 AG₂₃₈, 6, 6, 34; 2000 BJ₂₆, 4, 4, 4; 2000 BA₂₇, 2, 2, 1; 2000 BK₃₄, 1, 1, 0; 2000 CK₂₃, 5, 5, 8; 2000 DV₇₃, 2, 1, 0; 2000 MR₂, 10, 9, 29; (15529), 2, 1, 0; [468, 100, 0*, 1995/08/19-1998/03/02]

816 Rand Observatory

G. R. Viscome, 30 Hyland Avenue, Lake Placid, NY 12946, U.S.A.

[GeorgeV@nct.org]

0.37-m $f/6$ reflector + CCD

USNO-SA1.0

1987 ON, 5, 2, 13; 1999 XT₁₅₁, 3, 1, 0; [8, 2, 0*, 1995/09/16-1997/07/30]

817 Sudbury

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

[dicicco@skypub.com]

0.41-m Schmidt-Cassegrain + CCD

GSC

2000 HC₇₆, 5, 1, 0; [5, 1, 0*, 1995/01/10]

819 Val-des-Bois

D. Bergeron, 117 Ch. Guenette, C.P. 130, Val-des-Bois, Quebec JOX 3C0, Canada

[bergeron@achilles.net]

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

GSC-1.2

2000 AG₉₉, 4, 1, 0; 2000 FQ₁₀, 8, 1, 0; [12, 2, 0*, 1995/09/19-2000/04/01]

823 Fitchburg

L. L. Amburgey, 777 Scott Road, Fitchburg, MA 01420-6680, U.S.A.

[lla@net1plus.com]

0.212-m reflector + CCD

GSC-1.2, USNO-A2.0

1991 LB₄, 4, 2, 1; 1992 GM₄, 4, 2, 1; 1999 FC₁₀, 4, 2, 1; 2000 NM *, 10, 3, 10; 1106 T-3, 4, 2, 1; [26, 5, 1*, 2000/07/01-2000/07/12]

825 Granville

R. G. Davis, 209 Edgebrook Drive, Boylston, MA 01505, U.S.A.

[richdave@ma.ultranet.com]

0.20-m $f/3.3$ Schmidt-Cassegrain + CCD

GSC

1999 FX₅₆, 2, 1, 0; [2, 1, 0*, 1996/10/04]

837 Jupiter

B. A. Segal, 3084 NW 63 Street, Boca Raton, FL 33496, U.S.A.

[astrobas@gate.net]

Observer L. Sikes

Measurer B. A. Segal

0.36-m $f/11$ Schmidt-Cassegrain + CCD

USNO-SA2.0

2000 CV₆₁, 2, 1, 0; [2, 1, 0*, 2000/04/23]

838 Dayton

J. Chumack, 3118 Mesmer Avenue, Dayton, OH 45410, U.S.A.

[galactic@infinet.com]

0.25-m Schmidt-Cassegrain + CCD

GSC

(547), 4, 2, 1; (594), 4, 2, 1; (892), 4, 2, 1; (1252), 4, 2, 1; [16, 4, 0*, 2000/07/14-2000/07/15]

843 Emerald Lane Observatory

L. C. Ball, 4311 Emerald Lane, Decatur, AL 35603, U.S.A. [dustoff72@aol.com]

0.30-m $f/6.5$ Schmidt-Cassegrain + CCD

GSC, USNO-SA2.0

1991 PM₅, 7, 2, 1; 1991 VP₇, 2, 1, 0; 1993 OA₃, 7, 2, 1; 1995 WG₇, 7, 2, 2; 1996 RK₂₅, 6, 2, 1; 1999 CX₉, 2, 1, 0; 1999 CP₇₉, 7, 2, 1; 1999 CY₈₀, 7, 2, 1; 1999 JH₈₆, 5, 2, 2; 2000 EE₁₀₁, 6, 2, 1; 2000 JD₆, 6, 2, 2; 2000 JU₅₃, 8, 2, 2; 2000 KS₂, 6, 2, 1; 2000 LZ₂, 6, 2, 1; 2000 LD₁₂, 7, 2, 1; (140), 6, 2, 1; (273), 6, 2, 2; (654), 6, 2, 1; (712), 8, 2, 1; (3730), 3, 1, 0; (4179), 6, 2, 1; (4979), 6, 2, 1; [130, 22, 0*, 2000/05/29-2000/07/17]

846 Principia Astronomical Observatory, Elsayh

D. A. Cornell, Physics Department, Principia College, Elsayh, IL 62028, U.S.A.

[dcorn@prin.edu]

Observers C. Hooper, D. Cornell, L. Mangelsen, M. Oleson

0.41-m $f/10$ reflector + CCD

USNO-A2.0

2000 GY₉₁, 2, 2, 4; 2000 LM, 5, 2, 1; [7, 2, 0*, 2000/06/30-2000/07/22]

848 Tenagra Observatory, Cottage Grove

P. R. Holvorcem, Departamento de Matematica/IMECC, Universidade Estadual de Campiñas, Campiñas, SP 13081-970, Brazil [canis@mpc.com.br]

Observer M. Schwartz

Measurer P. R. Holvorcem

0.36-m $f/11$ Schmidt-Cassegrain + CCD

GSC-ACT, USNO-A2.0

1993 VZ₄, 3, 1, 0; 2000 KD₇₃, 2, 1, 0; 2000 KF₇₃, 3, 1, 0; 2000 LL₃₄, 3, 1, 0; 2000 LX₃₅, 2, 1, 0; 2000 MT₅, 3, 1, 0; 2000 NU₄, 2, 1, 0; 2000 NA₁₀, 2, 1, 0; 2000 NO₁₀, 3, 1, 0; 2000 NX₁₀, 3, 1, 0; 2000 NY₁₀, 3, 1, 0; 2000 NZ₁₀, 3, 1, 0; 2000 NA₁₁, 3, 1, 0; 2000 NB₁₁, 3, 1, 0; 2000 NC₁₁, 3, 1, 0; 2000 ND₁₁, 3, 1, 0; 2000 NH₁₁, 3, 1, 0; 2000 NK₁₁, 3, 1, 0; 2000 NL₁₁, 3, 1, 0; 2000 NM₁₁, 3, 1, 0; 2000 NN₁₁, 2, 1, 0; 2000 NO₁₁, 2, 1, 0; (8717), 2, 1, 0; [62, 23, 0*, 2000/07/12]

849 Everstar Observatory, Olathe

G. Fedon, 21251 W. 123rd St., Olathe, KS 66061, U.S.A. [antares@everstar.com]

Observers M. Abraham, G. Fedon

0.25-m Schmidt-Cassegrain + CCD

GSC-1.1

2000 HH₁₄, 1, 1, 0; 2000 HL₃₇, 4, 1, 0; 2000 NM, 3, 1, 0; (1408), 2, 1, 0; [10, 4, 0*, 2000/06/29-2000/07/07]

850 Cordell-Lorenz Observatory, Sewanee

D. T. Durig, SPO 1242, Sewanee, TN 37383, U.S.A. [ddurig@sewanee.edu]

Observers D. T. Durig, M. M. Hetrick

Measurer D. T. Durig

0.3-m $f/5.8$ Schmidt-Cassegrain + CCD

GSC-1.1

1993 XW, 4, 1, 0; [4, 1, 0*, 2000/02/29]

852 River Moss Observatory, St. Peters

W. P. Norby, 654 River Moss Drive, St. Peters, MO 63376, U.S.A.

[wpnorby@prodigy.net]

0.25-m Schmidt-Cassegrain + CCD

GSC

1991 PM₅, 3, 1, 0; 1994 PZ, 3, 1, 0; 1999 CA₁₀₄, 3, 1, 0; (2391), 3, 1, 0; [12, 4, 0*, 2000/06/23-2000/07/14]

853 Biosphere 2 Observatory

G. J. Garradd, Biosphere 2 Center, 32540 S. Biosphere Road, Oracle, AZ 85623, U.S.A. [gordon@astro.bio2.edu]

0.60-m $f/8.0$ reflector

GSC-ACT

1999 VF₂₂, 3, 1, 0; 1999 VG₂₂₆, 4, 1, 0; 2000 EB₁₇₃, 8, 2, 4; 2000 MU₁, 1, 1, 0; [16, 4, 0*, 1999/11/10-2000/06/26]

854 Sabino Canyon Observatory, Tucson

J. E. McGaha, 5100 Sabino Foothills, Tucson, AZ 85750, U.S.A.

[jmCGaha@azstarnet.com]

0.30-m $f/9.9$ Schmidt-Cassegrain + CCD

GSC-1.1

2000 NM, 8, 1, 0; [8, 1, 0*, 2000/07/03]

858 Tebbutt Observatory, Edgewood

F. B. Zoltowski, Tebbutt Observatory, 70 Abajo Dr., Edgewood, NM 87015, U.S.A.

[fbzolt@compuserve.com]

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

USNO-SA2.0

1988 CG₄, 6, 2, 1; 1999 BA₂₆, 6, 3, 28; 1999 CE₄, 6, 2, 1; 1999 EV₄, 6, 2, 1; 1999 GN₆, 5, 2, 1; 2000 ES₅₀, 3, 1, 0; 2000 HG₂₄, 3, 1, 0; 2000 MJ *, 12, 4, 11; 2000 MK *, 11, 4, 11; 2000 MT₁, 4, 1, 0; 2000 NV *, 7, 2, 1; (4034), 2, 1, 0; (14402), 7, 2, 9; [78, 13, 3*, 2000/05/28-2000/07/05]

859 Serra da Piedade

C. Jacques, P.O. Box 1084, Belo Horizonte, Minas Gerais, BR-30000 Brazil

[cjacques@unix.horizontes.com.br]

Observers C. Jacques, G. Nappi

Measurer C. Jacques

0.30-m $f/3.3$ reflector + CCD

GSC

1996 TQ₅, 6, 1, 0; 1998 DU, 3, 1, 0; 2000 LC₁₆, 3, 1, 0; 2000 NM, 8, 2, 1; 2000 NX₃, 7, 2, 1; 2000 NG₁₁, 4, 1, 0; [31, 6, 0*, 1999/08/03-2000/07/09]

860 Valinhos

P. R. Holvorcem, Departamento de Matematica/IMECC, Universidade Estadual de Campiñas SP, BR-13081-970 Brazil [canis@mpc.com.br]

Observers P. R. Holvorcem, J. Camargo

Measurer P. R. Holvorcem

0.36-m $f/3.6$ Schmidt-Cassegrain + CCD

GSC-ACT, USNO-A2.0

1993 VZ₄, 3, 1, 0; 1996 TQ₅, 2, 1, 0; 1998 QR₅₂, 3, 1, 0; 1999 FV₁₉, 2, 1, 0; 2000 EZ₁₄₈, 2, 1, 0; 2000 JA₃, 3, 1, 0; 2000 KD₇₃, 2, 1, 0; 2000 KF₇₃, 3, 1, 0; 2000 LM, 3, 1, 0; 2000 LC₁₆, 2, 1, 0; 2000 LZ₂₆, 3, 1, 0; 2000 LA₂₇, 3, 1, 0; 2000 LM₂₉, 2, 1, 0; 2000 LL₃₄, 2, 1, 0; 2000 LX₃₅, 2, 1, 0; 2000 LS₃₆, 3, 1, 0; 2000 MP₁ *, 11, 4, 22; 2000 MU₁, 2, 1, 0; 2000 MT₅, 2, 1, 0; 2000 NM, 12, 2, 5; 2000 NX₃, 3, 1, 0; 2000 NU₄, 2, 1, 0; 2000 NP₉ *, 6, 2, 1; 2000 NO₁₀ *, 3, 1, 0; 2000 NX₁₀ *, 3, 1, 0; 2000 NY₁₀ *, 2, 1, 0; 2000 NZ₁₀ *, 3, 1, 0; 2000 NA₁₁ *, 2, 1, 0; 2000 NB₁₁ *, 3, 1, 0; 2000 NC₁₁ *, 3, 1, 0; 2000 ND₁₁ *, 3, 1, 0; 2000 NH₁₁ *, 2, 1, 0; 2000 NK₁₁ *, 1, 1, 0; 2000 NL₁₁ *, 2, 1, 0; 2000 NM₁₁ *, 1, 1, 0; 2000 NN₁₁ *, 3, 1, 0; 2000 NO₁₁ *, 3, 1, 0; (417), 3, 1, 0; (1046), 3, 1, 0; (1133), 3, 1, 0; (6331), 3, 1, 0; [124, 41, 16*, 2000/06/13-2000/07/11]

886 Susono

M. Akiyama, 1655-23, Chabatake, Susono, Shizuoka-Ken, 410-11 Japan

0.25-m $f/6.3$ reflector + CCD

GSC

1998 ED₆, 2, 1, 0; [2, 1, 0*, 2000/07/08]

888 Gekko Observatory

T. Kagawa, 1308-222, Kuwahara, Kannami-cho, Tagata-gun, Shizuoka-Ken, 419-010, Japan

0.50-m $f/4.0$ reflector + CCD

GSC-1.1

2000 AT₅₃, 3, 1, 0; [3, 1, 0*, 1998/10/18]

900 Moriyama

Y. Ikari, 13-9 Katube 2 Chome, Moriyama, Shiga-Ken, 524-0041 Japan

[ikari@gold.ocn.ne.jp]

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

GSC-ACT, USNO-A2.0

1991 XD, 2, 1, 0; 1997 WU₂₂, 2, 1, 0; 1999 JD₆, 2, 1, 0; 1999 KW₄, 4, 2, 1; 2000 GK₁₃₇, 6, 3, 31; 2000 JQ₆₆, 2, 1, 0; 2000 LM, 2, 1, 0; 2000 NM, 15, 6, 19; 2000 NX₃, 2, 1, 0; 2000 OG, 3, 1, 0; 2000 OH, 3, 1, 0; (4179), 2, 1, 0; (7092), 2, 1, 0; (15407), 2, 1, 0; [49, 14, 0*, 1998/04/04-2000/07/22]

903 Fukuchiyama

M. Yoshimi, Osas 185-4-101, Fukuchiyama, Kyoto 620-0845, Japan

[myoshimi@silver.ocn.ne.jp]

Observer M. Yoshimi

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

GSC

2000 NM, 6, 2, 2; [6, 1, 0*, 2000/07/06-2000/07/08]

910 Caussols-ODAS

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Berlin, Germany [Gerhard.Hahn@DLR.de]

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

Measurers A. Maury, G. Hahn

0.90-m Schmidt + CCD

GSC

1981 EA₄₁, 6, 2, 1; 1994 PC₂₁, 3, 1, 0; 1995 BW₁₁, 3, 1, 0; 1995 JH₁, 3, 1, 0; 1995 KN₁, 3, 1, 0; 1996 EZ₁₅, 3, 1, 0; 1996 HZ₁₆, 3, 1, 0; 1996 HZ₂₃, 3, 1, 0; 1996 TD₁₁, 3, 1, 0; 1997 AV₂₀, 3, 1, 0; 1997 EK₃₆, 3, 1, 0; 1997 GB₁₂, 3, 1, 0; 1997 GH₃₁, 3, 1, 0; 1997 HA₉, 3, 1, 0; 1997 NM₁, 3, 1, 0; 1997 SK₂₄, 3, 1, 0; 1997 SH₃₀, 3, 1, 0; 1997 TB₂₉, 3, 1, 0; 1997 UT₁₇, 3, 1, 0; 1997 WA₄₂, 3, 1, 0; 1997 WN₅₆, 3, 1, 0; 1998 BS₂₃, 3, 1, 0; 1998 BO₄₀, 3, 1, 0; 1998 FA₁₃₈, 3, 1, 0; 1998 HY₆₁, 3, 1, 0; 1998 HQ₆₃, 3, 1, 0; 1998 HQ₈₁, 3, 1, 0; 1998 HZ₈₉, 3, 1, 0; 1998 HG₉₀, 3, 1, 0; 1998 HC₁₀₆, 3, 1, 0; 1998 KS₃₇, 3, 1, 0; 1998 QU₂₄, 3, 1, 0; 1998 QU₈₂, 3, 1, 0; 1998 RG₃₅, 3, 1, 0; 1998 RA₄₉, 3, 1, 0; 1998 SB₂₂, 3, 1, 0; 1998 SQ₇₄, 3, 1, 0; 1998 SZ₈₈, 3, 1, 0; 1998 SV₉₅, 3, 1, 0; 1998 UT₂₁, 3, 1, 0; 1998 VR₁₁, 3, 1, 0; 1998 VJ₂₄, 3, 1, 0; 1998 VP₂₅, 3, 1, 0; 1998 VK₄₁, 3, 1, 0; 1998 VA₄₇, 3, 1, 0; 1998 VF₄₇, 3, 1, 0; 1998 VJ₄₈, 3, 1, 0; 1998 VZ₄₉, 3, 1, 0; 1998 VG₅₀, 3, 1, 0; 1998 VR₅₀, 3, 1, 0; 1998 VH₅₅ *, 3, 1, 0; 1998 VJ₅₅ *, 3, 1, 0; 1998 VK₅₅ *, 3, 1, 0; 1998 VL₅₅ *, 3, 1, 0; 1998 VM₅₅ *, 3, 1, 0; 1998 VN₅₅ *, 3, 1, 0; 1998 VO₅₅ *, 3, 1, 0; 1998 VP₅₅ *, 1, 1, 0; 1998 WA₃₄, 3, 1, 0; 1998 WJ₃₄, 3, 1, 0; 1998 WK₃₄, 3, 1, 0; 1998 WL₃₄, 3, 1, 0; 1998 WX₃₅, 3, 1, 0; 1998 WY₃₅, 3, 1, 0; 1998 WS₃₇, 3, 1, 0; 1998 WO₃₉, 3, 1, 0; 1998 WE₄₁, 3, 1, 0; 1998 WY₄₁, 6, 2, 23; 1998 WC₄₂ *, 3, 1, 0; 1998 WD₄₂ *, 3, 1, 0; 1998 WE₄₂ *, 3, 1, 0; 1998 WF₄₂ *, 3, 1, 0; 1998 WG₄₂ *, 3, 1, 0; 1998 WH₄₂ *, 3, 1, 0; 1998 WJ₄₂ *, 3, 1, 0; 1998 WK₄₂ *, 3, 1, 0; 1998 WL₄₂ *, 3, 1, 0; 1998 WM₄₂ *, 3, 1, 0; 1998 XY₅, 3, 1, 0; 1998 XN₇, 3, 1, 0; 1998 XL₉₈, 3, 1, 0; 1998 XO₉₈, 3, 1, 0; 1998 XP₉₈, 3, 1, 0; 1998 XQ₉₈, 3, 1, 0; 1998 XR₉₈, 3, 1, 0; 1998 XB₉₉, 3, 1, 0; 1998 XK₉₉ *, 6, 2, 6; 1998 XL₉₉ *, 3, 1, 0; 1998 XM₉₉ *, 3, 1, 0; 1998 YJ₃₁, 3, 1, 0; 1998 YK₃₁, 3, 1, 0; 1998 YY₃₁, 3, 1, 0; 1998 YF₃₂ *, 3, 1, 0; 1999 AL₁, 3, 1, 0; 1999 AK₂₃, 3, 1, 0; 1999 AM₃₄, 3, 1, 0; 1999 AR₃₈ *, 4, 2, 6; 1999 BM₃₄, 3, 1, 0; 1999 BN₃₄, 3, 1, 0; 1999 CA₇, 3, 1, 0; 1999 CQ₁₀, 3, 1, 0; 1999 CU₅₃, 3, 1, 0; 1999 CO₉₆, 9, 2, 10; 1999 CQ₉₆, 3, 1, 0; 1999 CO₉₈,

3, 1, 0; 1999 CD₁₄₉, 3, 1, 0; 1999 FQ₂₅, 3, 1, 0; 1999 FJ₄₆, 3, 1, 0; 1999 FG₆₀ *, 3, 1, 0; 1999 FH₆₀ *, 3, 1, 0; 1999 JG₁₈, 3, 1, 0; 1999 JE₂₁, 3, 1, 0; 1999 JV₄₆, 3, 1, 0; 1999 NW₄₀, 3, 1, 0; 1999 NE₄₉, 3, 1, 0; 1999 NV₅₂, 3, 1, 0; 1999 QA, 3, 1, 0; 1999 RT₁₆, 3, 1, 0; 1999 RW₃₇, 3, 1, 0; 1999 RC₁₆₉, 3, 1, 0; 1999 RC₁₉₃, 3, 1, 0; 1999 TV₅₂, 3, 1, 0; 1999 TD₂₄₈, 3, 1, 0; 1999 UX₅₂, 3, 1, 0; 1999 VG₈₇, 3, 1, 0; 1999 VL₈₇, 3, 1, 0; 1999 WA₇, 7, 2, 14; 1999 XZ₆, 3, 1, 0; 1999 XZ₁₇, 3, 1, 0; 1999 XT₂₈, 3, 1, 0; 1999 XB₃₄, 3, 1, 0; 1999 XV₃₅, 3, 1, 0; 1999 XD₃₆, 3, 1, 0; 1999 XX₄₂, 3, 1, 0; 1999 XE₅₇, 3, 1, 0; 1999 XV₆₀, 3, 1, 0; 1999 XS₆₂, 3, 1, 0; 1999 XY₇₅, 3, 1, 0; 1999 XA₉₃, 3, 1, 0; 1999 XE₉₆, 3, 1, 0; 1999 XC₉₈, 3, 1, 0; 1999 XL₁₄₃, 3, 1, 0; 1999 XA₁₄₅, 3, 1, 0; 1999 XF₁₅₈, 3, 1, 0; 1999 XA₁₆₈, 3, 1, 0; 1999 XP₁₈₀, 3, 1, 0; 1999 XL₂₁₅, 3, 1, 0; 1999 XG₂₂₁, 3, 1, 0; 2000 AW₃₄, 3, 1, 0; 2000 AZ₄₆, 3, 1, 0; 2000 AJ₆₅, 3, 1, 0; 2000 AZ₉₇, 3, 1, 0; 2000 AJ₉₉, 3, 1, 0; 2000 AT₁₁₅, 3, 1, 0; 2000 AU₁₁₇, 3, 1, 0; 2000 AR₁₂₀, 3, 1, 0; 2000 AC₁₄₄, 3, 1, 0; 2000 AN₁₆₇, 3, 1, 0; 2000 AF₁₉₇, 3, 1, 0; 2000 AG₁₉₈, 3, 1, 0; 2000 AK₁₉₈, 3, 1, 0; 2000 AF₂₃₇, 3, 1, 0; 2000 AD₂₄₀, 3, 1, 0; 2000 AR₂₄₃, 3, 1, 0; 2000 BN₁₄, 3, 1, 0; 2000 CX₂₆, 3, 1, 0; 2000 CO₃₁, 3, 1, 0; 2000 CF₃₄, 3, 1, 0; 2000 CU₄₄, 3, 1, 0; 2000 CV₄₇, 3, 1, 0; 2000 CD₅₃, 3, 1, 0; 2000 CS₆₀, 3, 1, 0; 2000 CH₆₂, 3, 1, 0; 2000 CE₆₃, 3, 1, 0; 2000 CU₈₂, 3, 1, 0; 2000 CN₈₅, 3, 1, 0; 2000 CO₈₈, 3, 1, 0; 2000 CE₉₄, 3, 1, 0; 2000 CT₉₄, 3, 1, 0; 2000 DQ₁₃, 3, 1, 0; 2000 DW₁₉, 3, 1, 0; 2000 DD₂₅, 3, 1, 0; 2000 DC₄₇, 3, 1, 0; 2000 DU₅₈, 6, 2, 63; 2000 DJ₅₉, 3, 1, 0; 2000 DY₆₁, 3, 1, 0; 2000 EX₃, 3, 1, 0; 2000 EC₅₀, 9, 3, 509; 2000 EH₉₃, 3, 1, 0; 2000 EU₁₁₆, 3, 1, 0; 2000 EF₁₃₅, 3, 1, 0; 2000 FM₂₆, 3, 1, 0; 2000 FZ₄₃, 3, 1, 0; 2000 FJ₄₄, 3, 1, 0; 2000 FN₄₄, 3, 1, 0; 2000 FK₅₁, 3, 1, 0; 2000 GP₃₈, 3, 1, 0; 2000 GR₅₇, 3, 1, 0; 2000 GO₇₆, 3, 1, 0; 2000 GC₇₇, 3, 1, 0; 2000 GR₇₇, 3, 1, 0; 2000 GA₉₂, 3, 1, 0; 2000 GJ₉₃, 3, 1, 0; 2000 GS₁₀₆, 3, 1, 0; 2000 GT₁₀₆, 3, 1, 0; 2000 GM₁₀₉, 3, 1, 0; 2000 GG₁₆₆, 3, 1, 0; 2000 HJ₁₃, 3, 1, 0; 2000 HB₃₆, 3, 1, 0; 2000 HO₄₄, 3, 1, 0; 2000 HH₄₈, 3, 1, 0; 2000 HC₇₆, 3, 1, 0; 2000 JL₆₅, 3, 1, 0; 2000 JO₇₄, 3, 1, 0; 2000 KS₆₀, 3, 1, 0; 2000 LP₂₅, 3, 1, 0; 2000 LX₂₇, 3, 1, 0; 2000 LZ₃₃, 3, 1, 0; 2060 P-L, 3, 1, 0; 6846 P-L, 3, 1, 0; 2152 T-1, 3, 1, 0; 3101 T-1, 3, 1, 0; 1002 T-2, 9, 3, 123; 1085 T-2, 3, 1, 0; 5080 T-2, 3, 1, 0; 3160 T-3, 3, 1, 0; 3527 T-3, 3, 1, 0; 4075 T-3, 3, 1, 0; [717, 228, 25*, 1997/01/14-1999/03/20]

912 Caruncle Hill Observatory, Greene

D. Pray, 1688 Plainfield Pike, Greene, RI 02827, U.S.A. [dppray@hotmail.com]

0.30-m $f/3.3$ Schmidt-Cassegrain + CCD

GSC

(3985), 5, 2, 7; (4557), 5, 2, 7; [10, 2, 0*, 2000/06/04-2000/06/11]

913 Observatorio Kappa Crucis, Montevideo

A. Mas, Observatorio Kappa Crucis, Av. Gonzalo Ramirez 1439, 11200 - Montevideo, Uruguay [kona@multi.com.uy]

Observers A. Mas, Scarpa

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

USNO-A2.0

(419), 2, 2, 3; (562), 2, 2, 3; (966), 2, 2, 3; [6, 3, 0*, 2000/07/02-2000/07/06]

914 Underwood Observatory, Hubbardston

T. Loebel, 53 Underwood Rd., Hubbardston, MA 01452, U.S.A. [loebel@banet.net]

0.15-m $f/5.9$ reflector + CCD

GSC, USNO-SA2.0

(313), 1, 1, 0; (397), 1, 1, 0; (509), 2, 2, 7; [4, 3, 0*, 2000/07/02-2000/07/09]

915 River Oaks Observatory, New Braunfels

W. Holliday, 1125 Isaac Cr. Circle, New Braunfels, TX 78132, U.S.A.

[holliday@express-news.net]

0.41-m $f/4.5$ Newtonian reflector + CCD

GSC

(957), 4, 2, 1; (4423), 4, 2, 1; (6103), 3, 2, 1; [11, 3, 0*, 2000/07/08-2000/07/09]

931 Punaauia

J. C. Pelle, BP 130085, F-98717 Punaauia, French Polynesia [jcpelle@mail.pf]

0.20-m $f/10$ reflector + CCD

USNO-A2

1990 RF₅, 2, 1, 0; 1998 VK₃₁, 3, 1, 0; 1998 XH₁₁, 2, 1, 0; 1998 YD₇, 3, 1, 0; 1999 ER₄, 2, 1, 0; (10391), 2, 1, 0; [14, 6, 0*, 2000/03/23-2000/06/21]

950 La Palma

J. Virtanen, P.O. Box 14, University of Helsinki, SF-00014 Helsinki, Finland

[jxvirtan@astro.helsinki.fi]

Observers J. Virtanen, J. Torppa, M. Moilanen

Measurers M. Moilanen, J. Virtanen

0.6-m $f/15$ reflector + CCD

USNO-A2.0

1994 JS, 4, 2, 1; 1994 JQ₁, 3, 1, 0; 1994 JR₁, 2, 1, 0; 1996 GQ₂₁, 3, 2, 1; 1996 KV₁, 3, 1, 0; 1998 HJ₁₅₁, 3, 1, 0; 1999 HX₁₁, 3, 3, 2; 1999 HH₁₂, 5, 2, 1; 1999 HJ₁₂, 3, 1, 0; 1999 JD₁₃₂, 5, 2, 1; 1999 LE₃₁, 15, 5, 6; 1999 OY₃, 4, 2, 2; 2000 FA₈, 3, 3, 2; 2000 FE₈, 2, 1, 0; 2000 HE₄₆, 3, 1, 0; 2000 JF₈₁, 5, 2, 1; 2000 JG₈₁, 2, 1, 0; 2000 KK₄, 3, 1, 0; 2000 KL₄, 2, 1, 0; (7025), 4, 1, 0; (7066), 4, 1, 0; (8230), 4, 1, 0; (14402), 4, 1, 0; [89, 23, 0*, 2000/06/23-2000/06/30]

954 Teide Observatory

F. Casarramona, P.O. Box 50, E-08200 Sabadell (BCN), Spain

[minorplanets@astrosabadell.org]

Observer R. Casas

Measurer F. Casarramona

0.8-m $f/11.3$ Cassegrain + CCD

GSC-1.2, APM

1999 RD₂₄₈ *, 3, 1, 0; [3, 1, 1*, 1999/09/05]

966 Church Stretton

S. P. Laurie, Toleman, 10 Hazler Orchard, Church Stretton, Shropshire SY6 7AL, England [100336.3635@compuserve.com]

0.25-m Schmidt Cassegrain + focal reducer + CCD

GSC

1999 RD₁₆₉, 3, 1, 0; 1999 TC₁₇₈, 3, 1, 0; [6, 2, 0*, 1995/09/02-1995/11/18]

975 Valencia

À. López, Observatorio Astronómico de Valencia, Avda. Blasco Ibanez 13, E-46010 Valencia, Spain [Alvaro.Lopez@uv.es]

Observer À. López G., A. Flores M

Measurer À. López G., E. Cabezas R., A. Flores M., J.A. Morano F., J. Pastor E.

0.15-m $f/15$ refractor

PPM, GSC

(3), 20, 7, 22; (7), 4, 2, 7; (10), 10, 5, 22; (14), 4, 2, 5; [38, 4, 0*, 1995/12/21-1996/12/10]

ORBITAL ELEMENTS

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Cambridge, MA 02138, U.S.A. [gwilliams@cfa.harvard.edu]

C/1998 J3 (SOHO)

<i>T</i>	1998 May 5.07 TT			Marsden	
<i>q</i>	0.0058	(2000.0)		P	Q
		<i>ω</i>	80.49	+0.20792	-0.97761
		<i>Ω</i>	3.11	-0.95065	-0.20977
<i>e</i>	1.0	<i>i</i>	143.30	+0.23030	+0.01671

From 7 observations 1998 May 4.

C/1998 J4 (SOHO)

<i>T</i>	1998 May 6.65 TT			Marsden	
<i>q</i>	0.0049	(2000.0)		P	Q
		<i>ω</i>	82.65	+0.14975	-0.98861
		<i>Ω</i>	1.54	-0.96911	-0.14983
<i>e</i>	1.0	<i>i</i>	145.25	+0.19598	+0.01452

From 10 observations 1998 May 6.

C/1998 K12 (SOHO)

<i>T</i>	1998 May 21.40 TT			Marsden	
<i>q</i>	0.0063	(2000.0)		P	Q
		<i>ω</i>	86.47	+0.22136	-0.96656
		<i>Ω</i>	11.94	-0.93559	-0.24795
<i>e</i>	1.0	<i>i</i>	141.26	+0.27510	-0.06551

From 4 observations 1998 May 20–21.

C/1998 K13 (SOHO)

<i>T</i>	1998 May 22.23 TT			Marsden	
<i>q</i>	0.0090	(2000.0)		P	Q
		<i>ω</i>	60.40	+0.13162	-0.96200
		<i>Ω</i>	334.35	-0.98663	-0.10373
<i>e</i>	1.0	<i>i</i>	146.44	+0.09611	+0.25260

From 6 observations 1998 May 21.

C/1998 K14 (SOHO)

<i>T</i>	1998 May 26.83 TT			Marsden	
<i>q</i>	0.0051	(2000.0)		P	Q
		<i>ω</i>	79.22	+0.17935	-0.98377
		<i>Ω</i>	359.45	-0.96011	-0.17378
<i>e</i>	1.0	<i>i</i>	143.91	+0.21452	+0.04470

From 9 observations 1998 May 26.

C/1998 K15 (SOHO)

<i>T</i>	1998 May 29.11 TT			Marsden	
<i>q</i>	0.0078	(2000.0)		P	Q
		<i>ω</i>	85.71	+0.17814	-0.98106
		<i>Ω</i>	7.41	-0.95772	-0.19062
<i>e</i>	1.0	<i>i</i>	143.85	+0.22590	-0.03450

From 10 observations 1998 May 28.

C/1998 K16 (SOHO)

<i>T</i>	1998 May 29.81 TT			Marsden	
<i>q</i>	0.0058	(2000.0)		P	Q
		<i>ω</i>	88.79	+0.20179	-0.96825
		<i>Ω</i>	13.52	-0.93825	-0.23432
<i>e</i>	1.0	<i>i</i>	140.86	+0.28101	-0.08709

From 9 observations 1998 May 29.

C/1998 K17 (SOHO)

<i>T</i>	1998 May 31.55 TT			Marsden	
<i>q</i>	0.0087	(2000.0)		P	Q
		<i>ω</i>	83.98	+0.14612	-0.98865
		<i>Ω</i>	3.12	-0.94718	-0.15001
<i>e</i>	1.0	<i>i</i>	140.04	+0.28550	+0.00832

From 6 observations 1998 May 31.

C/1998 L2 (SOHO)

<i>T</i>	1998 June 4.01 TT			Marsden	
<i>q</i>	0.0052	(2000.0)		P	Q
		<i>ω</i>	97.59	+0.16452	-0.95405
		<i>Ω</i>	22.49	-0.93961	-0.22884
<i>e</i>	1.0	<i>i</i>	139.09	+0.30011	-0.19346

From 7 observations 1998 June 3.

C/1998 L3 (SOHO)

<i>T</i>	1998 June 4.54 TT			Marsden	
<i>q</i>	0.0050	(2000.0)		P	Q
		<i>ω</i>	85.20	+0.16720	-0.98389
		<i>Ω</i>	6.05	-0.95698	-0.17741
<i>e</i>	1.0	<i>i</i>	143.11	+0.23714	-0.02220

From 6 observations 1998 June 4.

C/1998 L4 (SOHO)

<i>T</i>	1998 June 5.42 TT			Marsden	
<i>q</i>	0.0052	(2000.0)		P	Q
		<i>ω</i>	85.37	+0.17037	-0.98330
		<i>Ω</i>	6.36	-0.96269	-0.17996
<i>e</i>	1.0	<i>i</i>	144.71	+0.21025	-0.02721

From 10 observations 1998 June 4–5.

C/1998 L5 (SOHO)

T 1998 June 5.87 TT
q 0.0055 (2000.0)
 ω 77.54
 Ω 357.10
 i 145.89
 From 12 observations 1998 June 5.

Marsden
P **Q**
 +0.17457 -0.98424
 -0.96864 -0.16648
 +0.17680 +0.05969

C/1998 L6 (SOHO)

T 1998 June 6.28 TT
q 0.0057 (2000.0)
 ω 87.29
 Ω 9.30
 i 143.65
 From 11 observations 1998 June 5-6.

Marsden
P **Q**
 +0.17666 -0.97960
 -0.95690 -0.19373
 +0.23050 -0.05347

C/1998 L7 (SOHO)

T 1998 June 6.96 TT
q 0.0084 (2000.0)
 ω 49.14
 Ω 321.10
 i 132.50
 From 5 observations 1998 June 6.

Marsden
P **Q**
 +0.18829 -0.86614
 -0.96356 -0.07172
 +0.19001 +0.49462

C/1998 L8 (SOHO)

T 1998 June 8.76 TT
q 0.0071 (2000.0)
 ω 59.36
 Ω 337.13
 i 144.44
 From 8 observations 1998 June 8.

Marsden
P **Q**
 +0.19755 -0.95388
 -0.97244 -0.16157
 +0.12381 +0.25302

C/1998 L9 (SOHO)

T 1998 June 12.69 TT
q 0.0048 (2000.0)
 ω 81.86
 Ω 2.97
 i 143.95
 From 11 observations 1998 June 12.

Marsden
P **Q**
 +0.18279 -0.98268
 -0.95833 -0.18500
 +0.21952 +0.01061

C/1998 M8 (SOHO)

T 1998 June 19.84 TT
q 0.0055 (2000.0)
 ω 67.94
 Ω 347.41
 i 146.26
 From 10 observations 1998 June 19.

Marsden
P **Q**
 +0.19870 -0.97256
 -0.96993 -0.17743
 +0.14054 +0.15049

C/1998 M9 (SOHO)

T 1998 June 22.08 TT
q 0.0061 (2000.0)
 ω 69.49
 Ω 350.68
 i 147.31
 From 18 observations 1998 June 21.

Marsden
P **Q**
 +0.21817 -0.97198
 -0.96692 -0.20315
 +0.13214 +0.11823

C/1998 M10 (SOHO)

T 1998 June 24.04 TT
q 0.0064 (2000.0)
 ω 81.47
 Ω 2.73
 i 144.24
 From 8 observations 1998 June 23.

Marsden
P **Q**
 +0.18642 -0.98208
 -0.95883 -0.18804
 +0.21423 +0.01298

C/1999 G3 (SOHO)

T 1999 Apr. 2.41 TT
q 0.0092 (2000.0)
 ω 73.82
 Ω 2.98
 i 144.09
 From 7 observations 1999 Apr. 2.

Marsden
P **Q**
 +0.31873 -0.94736
 -0.92348 -0.31762
 +0.21353 +0.04042

C/1999 G4 (SOHO)

T 1999 Apr. 3.86 TT
q 0.0073 (2000.0)
 ω 75.85
 Ω 1.74
 i 145.06
 From 9 observations 1999 Apr. 3.

Marsden
P **Q**
 +0.26845 -0.96314
 -0.94304 -0.26645
 +0.19651 +0.03706

C/1999 G5 (SOHO)

T 1999 Apr. 11.62 TT
q 0.0062 (2000.0)
 ω 77.96
 Ω 2.66
 i 143.42
 From 9 observations 1999 Apr. 11.

Marsden
P **Q**
 +0.24480 -0.96918
 -0.94274 -0.24458
 +0.22652 +0.02948

C/1999 H5 (SOHO)

T 1999 Apr. 24.87 TT
q 0.0051 (2000.0)
 ω 85.47
 Ω 5.51
 i 144.57
 From 11 observations 1999 Apr. 24.

Marsden
P **Q**
 +0.15658 -0.98609
 -0.96473 -0.16478
 +0.21159 -0.02158

C/1999 H6 (SOHO)

T 1999 Apr. 29.15 TT
q 0.0062 (2000.0)
 ω 79.75
 Ω 1.33
 i 144.92
 From 6 observations 1999 Apr. 28.

Marsden
P **Q**
 +0.19655 -0.98040
 -0.95983 -0.19517
 +0.20023 +0.02679

C/1999 H7 (SOHO)

T 1999 Apr. 20.85 TT
q 0.0082 (2000.0)
 ω 79.79
 Ω 6.99
 i 142.60
 From 7 observations 1999 Apr. 20.

Marsden
P **Q**
 +0.27111 -0.95970
 -0.92997 -0.28098
 +0.24830 -0.00451

C/1999 J12 (SOHO)

<i>T</i>	1999 May 3.48 TT			Marsden	
<i>q</i>	0.0051	(2000.0)		P	Q
		<i>ω</i>	79.31	+0.08228	-0.99437
		<i>Ω</i>	352.92	-0.98479	-0.07084
<i>e</i>	1.0	<i>i</i>	147.21	+0.15305	+0.07877

From 9 observations 1999 May 3.

C/1999 K8 (LINEAR)

<i>T</i>	2000 Apr. 6.0 TT = JDT 2451640.5			Nakano	
<i>T</i>	2000 Apr. 24.3018 TT				
<i>q</i>	4.200538	(2000.0)		P	Q
<i>z</i>	-0.000184	<i>ω</i>	164.6211	+0.9722279	+0.1006908
	± 0.000002	<i>Ω</i>	195.3950	+0.0088420	+0.8862688
<i>e</i>	1.000773	<i>i</i>	52.7329	+0.2338689	-0.4520940

From 403 observations 1999 May 26–2000 July 19, mean residual 0^{''}.5.

C/1999 L6 (SOHO)

<i>T</i>	1999 June 1.70 TT			Marsden	
<i>q</i>	0.0050	(2000.0)		P	Q
		<i>ω</i>	57.85	+0.14565	-0.95386
		<i>Ω</i>	332.27	-0.98489	-0.11468
<i>e</i>	1.0	<i>i</i>	145.65	+0.09365	+0.27749

From 15 observations 1999 June 1.

C/1999 L7 (SOHO)

<i>T</i>	1999 June 3.68 TT			Marsden	
<i>q</i>	0.0076	(2000.0)		P	Q
		<i>ω</i>	79.99	+0.17670	-0.98426
		<i>Ω</i>	0.20	-0.96757	-0.17407
<i>e</i>	1.0	<i>i</i>	146.01	+0.18049	+0.03046

From 19 observations 1999 June 3.

C/1999 L8 (SOHO)

<i>T</i>	1999 June 6.72 TT			Marsden	
<i>q</i>	0.0054	(2000.0)		P	Q
		<i>ω</i>	60.79	+0.17899	-0.96003
		<i>Ω</i>	337.71	-0.97697	-0.14762
<i>e</i>	1.0	<i>i</i>	145.44	+0.11615	+0.23780

From 14 observations 1999 June 6.

C/1999 S4 (LINEAR)

<i>T</i>	2000 Aug. 4.0 TT = JDT 2451760.5			Marsden	
<i>T</i>	2000 July 26.1741 TT				
<i>q</i>	0.765137	(2000.0)		P	Q
<i>z</i>	+0.000720	<i>ω</i>	151.0490	+0.3099293	-0.8051832
	± 0.000017	<i>Ω</i>	83.1910	-0.9405257	-0.1818348
<i>e</i>	0.999449	<i>i</i>	149.3905	-0.1391231	-0.5644610

From 1070 observations 1999 Sept. 27–2000 July 22, mean residual 0^{''}.7.
Nongravitational parameters $A_1 = +9.26 \pm 0.15$, $A_2 = -1.71 \pm 0.07$.

C/1999 T2 (LINEAR)

<i>T</i>	2000 Dec. 2.0 TT = JDT 2451880.5			Nakano	
<i>T</i>	2000 Nov. 24.4684 TT				
<i>q</i>	3.037363	(2000.0)		P	Q
<i>z</i>	-0.000689	<i>ω</i>	104.6693	-0.1557126	-0.9582695
	± 0.000002	<i>Ω</i>	14.8800	-0.7263520	-0.0534040
<i>e</i>	1.002092	<i>i</i>	111.0020	+0.6694523	-0.2808337

From 356 observations 1999 July 22–2000 July 22, mean residual 0^{''}.6.

C/1999 U4 (Catalina-Skiff)

<i>T</i>	2001 Oct. 18.0 TT = JDT 2452200.5			Nakano	
<i>T</i>	2001 Oct. 28.4489 TT				
<i>q</i>	4.915082	(2000.0)		P	Q
<i>z</i>	-0.001585	<i>ω</i>	77.5152	-0.1388780	-0.8965916
	± 0.000010	<i>Ω</i>	32.2887	+0.2672101	-0.4428107
<i>e</i>	1.007791	<i>i</i>	51.9261	+0.9535784	-0.0064948

From 135 observations 1999 Sept. 18–2000 July 19, mean residual 0^{''}.5.

C/1999 X2 (SOHO)

<i>T</i>	1999 Dec. 4.23 TT			Marsden	
<i>q</i>	0.0059	(2000.0)		P	Q
		<i>ω</i>	69.11	+0.16599	-0.97885
		<i>Ω</i>	346.83	-0.98003	-0.15028
<i>e</i>	1.0	<i>i</i>	148.35	+0.10950	+0.13882

From 5 observations 1999 Dec. 3.

C/1999 Y1 (LINEAR)

<i>T</i>	2001 Apr. 1.0 TT = JDT 2452000.5			Nakano	
<i>T</i>	2001 Mar. 24.1154 TT				
<i>q</i>	3.091225	(2000.0)		P	Q
<i>z</i>	-0.000194	<i>ω</i>	184.2849	+0.9933702	+0.0346701
	± 0.000004	<i>Ω</i>	188.8840	+0.1146748	-0.3658620
<i>e</i>	1.000600	<i>i</i>	134.7869	-0.0080803	-0.9300231

From 276 observations 1999 Oct. 29–2000 July 21, mean residual 0^{''}.5.

C/2000 K2 (LINEAR)

<i>T</i>	2000 Oct. 23.0 TT = JDT 2451840.5			Nakano	
<i>T</i>	2000 Oct. 11.3641 TT				
<i>q</i>	2.437194	(2000.0)		P	Q
<i>z</i>	+0.001838	<i>ω</i>	106.8200	+0.5063513	+0.8547734
	± 0.000023	<i>Ω</i>	195.2634	-0.8586950	+0.5119109
<i>e</i>	0.995521	<i>i</i>	25.6338	+0.0790644	+0.0854963

From 121 observations 2000 May 4–July 21, mean residual 0^{''}.6.

C/2000 L4 (SOHO)

<i>T</i>	2000 June 15.03 TT			Marsden	
<i>q</i>	0.0061	(2000.0)		P	Q
		<i>ω</i>	84.38	+0.16463	-0.98497
		<i>Ω</i>	4.89	-0.95375	-0.17248
<i>e</i>	1.0	<i>i</i>	142.19	+0.25152	-0.00936

From 13 observations 2000 June 14–14.

C/2000 L5 (SOHO)

<i>T</i>	2000 June 16.08 TT		Marsden	
<i>q</i>	0.0075	(2000.0)	P	Q
	<i>ω</i>	87.54	+0.16950	-0.98118
	<i>Ω</i>	9.05	-0.95969	-0.18568
<i>e</i>	1.0	<i>i</i> 143.99	+0.22418	-0.05302

From 19 observations 2000 June 15–15.

C/2000 M1 (SOHO)

<i>T</i>	2000 June 18.27 TT		Marsden	
<i>q</i>	0.0055	(2000.0)	P	Q
	<i>ω</i>	83.93	+0.17925	-0.98242
	<i>Ω</i>	5.22	-0.96217	-0.18612
<i>e</i>	1.0	<i>i</i> 144.96	+0.20517	-0.01456

From 38 observations 2000 June 17–18.

C/2000 M2 (SOHO)

<i>T</i>	2000 June 18.67 TT		Marsden	
<i>q</i>	0.0052	(2000.0)	P	Q
	<i>ω</i>	90.04	+0.17650	-0.97585
	<i>Ω</i>	12.65	-0.95823	-0.20025
<i>e</i>	1.0	<i>i</i> 144.01	+0.22503	-0.08732

From 23 observations 2000 June 18–18.

C/2000 M3 (SOHO)

<i>T</i>	2000 June 19.76 TT		Marsden	
<i>q</i>	0.0051	(2000.0)	P	Q
	<i>ω</i>	67.80	+0.20287	-0.97129
	<i>Ω</i>	347.41	-0.96668	-0.17843
<i>e</i>	1.0	<i>i</i> 145.25	+0.15611	+0.15733

From 13 observations 2000 June 19–19.

C/2000 M4 (SOHO)

<i>T</i>	2000 June 22.57 TT		Marsden	
<i>q</i>	0.0055	(2000.0)	P	Q
	<i>ω</i>	63.33	+0.21787	-0.96253
	<i>Ω</i>	343.32	-0.96750	-0.19125
<i>e</i>	1.0	<i>i</i> 145.77	+0.12839	+0.19224

From 15 observations 2000 June 22–22.

C/2000 M5 (SOHO)

<i>T</i>	2000 June 24.52 TT		Marsden	
<i>q</i>	0.0067	(2000.0)	P	Q
	<i>ω</i>	73.57	+0.21052	-0.97636
	<i>Ω</i>	354.90	-0.96469	-0.19935
<i>e</i>	1.0	<i>i</i> 146.53	+0.15827	+0.08356

From 6 observations 2000 June 24–24.

C/2000 M6 (SOHO)

<i>T</i>	2000 June 25.91 TT		Marsden	
<i>q</i>	0.0050	(2000.0)	P	Q
	<i>ω</i>	81.87	+0.18242	-0.98280
	<i>Ω</i>	2.90	-0.96298	-0.18452
<i>e</i>	1.0	<i>i</i> 145.19	+0.19846	+0.00802

From 14 observations 2000 June 25–25.

C/2000 M7 (SOHO)

<i>T</i>	2000 June 27.42 TT		Marsden	
<i>q</i>	0.0055	(2000.0)	P	Q
	<i>ω</i>	80.82	+0.18166	-0.98323
	<i>Ω</i>	1.59	-0.96070	-0.18096
<i>e</i>	1.0	<i>i</i> 144.40	+0.20988	+0.02274

From 40 observations 2000 June 26–27.

C/2000 M8 (SOHO)

<i>T</i>	2000 June 28.39 TT		Marsden	
<i>q</i>	0.0050	(2000.0)	P	Q
	<i>ω</i>	93.94	+0.14727	-0.97506
	<i>Ω</i>	15.71	-0.95643	-0.18317
<i>e</i>	1.0	<i>i</i> 142.18	+0.25211	-0.12532

From 21 observations 2000 June 27–28.

C/2000 M9 (SOHO)

<i>T</i>	2000 July 1.97 TT		Marsden	
<i>q</i>	0.0054	(2000.0)	P	Q
	<i>ω</i>	86.17	+0.17408	-0.98171
	<i>Ω</i>	7.63	-0.96110	-0.18643
<i>e</i>	1.0	<i>i</i> 144.53	+0.21444	-0.03861

From 35 observations 2000 June 30–July 1.

C/2000 N1 (SOHO)

<i>T</i>	2000 July 3.25 TT		Marsden	
<i>q</i>	0.0049	(2000.0)	P	Q
	<i>ω</i>	81.21	+0.17883	-0.98369
	<i>Ω</i>	1.88	-0.95993	-0.17873
<i>e</i>	1.0	<i>i</i> 144.08	+0.21576	+0.02017

From 55 observations 2000 July 1–3.

C/2000 N2 (SOHO)

<i>T</i>	2000 July 8.82 TT		Marsden	
<i>q</i>	0.0067	(2000.0)	P	Q
	<i>ω</i>	91.63	+0.14524	-0.98127
	<i>Ω</i>	12.38	-0.96339	-0.16940
<i>e</i>	1.0	<i>i</i> 143.83	+0.22535	-0.09174

From 10 observations 2000 July 8–8.

C/2000 O1 (Koehn)

Epoch 2000 Jan. 17.0 TT = JDT 2451560.5

<i>T</i>	2000 Jan. 27.3486 TT		Marsden	
<i>q</i>	5.921889	(2000.0)	P	Q
<i>z</i>	-0.000144	<i>ω</i> 55.1085	+0.7075604	+0.4692345
	± 0.000009	<i>Ω</i> 88.8622	+0.3396044	-0.8815004
<i>e</i>	1.000855	<i>i</i> 148.0974	+0.6196992	-0.0526874

From 29 observations 1998 Dec. 14–2000 July 23, mean residual 0".7.

S/1999 J 1

Epoch 2000 Sept. 13.0 TT = JDT 2451800.5		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	0.46536883	ω 53.84363	-0.52819411 -0.60909389
<i>a</i>	0.1623955	Ω 280.37900	-0.83224054 +0.50959922
<i>e</i>	0.1296801	<i>i</i> 143.02528	+0.16848343 +0.60771150
<i>P</i>	773.58 d	<i>H</i> 14.0	<i>G</i> 0.15

From 14 observations 1999 Oct. 10–Nov. 4, mean residual 0".37.

Jupiter VI (Himalia)

Epoch 2000 Sept. 13.0 TT = JDT 2451800.5		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	1.45049646	ω 327.77937	+0.78429519 -0.42039035
<i>a</i>	0.0761076	Ω 63.93627	+0.61982484 +0.56229877
<i>e</i>	0.1604836	<i>i</i> 30.52319	-0.02642397 +0.71210396
<i>P</i>	248.19 d	<i>H</i> 7.7	<i>G</i> 0.15

From 431 observations 1904 Dec. 4–2000 Jan. 11, mean residual 0".95.

Jupiter VII (Elara)

Epoch 2000 Sept. 13.0 TT = JDT 2451800.5		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	1.39095656	ω 137.59865	-0.28167808 +0.84296104
<i>a</i>	0.0782642	Ω 111.12618	-0.95797708 -0.22008704
<i>e</i>	0.2305136	<i>i</i> 29.43024	-0.05419750 -0.49089548
<i>P</i>	258.81 d	<i>H</i> 10.5	<i>G</i> 0.15

From 307 observations 1905 Jan. 4–2000 Jan. 13, mean residual 1".00.

Jupiter VIII (Pasiphae)

Epoch 2000 Sept. 13.0 TT = JDT 2451800.5		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	0.47280219	ω 175.57258	-0.80164801 +0.43748854
<i>a</i>	0.1606889	Ω 319.95002	+0.52719003 +0.83867095
<i>e</i>	0.3699622	<i>i</i> 140.71903	+0.28183531 -0.32439917
<i>P</i>	761.42 d	<i>H</i> 10.0	<i>G</i> 0.15

From 471 observations 1908 Jan. 28–2000 Jan. 8, mean residual 0".93.

Jupiter IX (Sinope)

Epoch 2000 Sept. 13.0 TT = JDT 2451800.5		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	0.46099104	ω 338.27070	+0.86571654 -0.37817490
<i>a</i>	0.1634220	Ω 311.62045	-0.36979658 -0.92472618
<i>e</i>	0.2546510	<i>i</i> 153.98370	-0.33732086 +0.04318831
<i>P</i>	780.93 d	<i>H</i> 11.0	<i>G</i> 0.15

From 219 observations 1916 Sept. 17–1999 Dec. 2, mean residual 0".86.

Jupiter X (Lysithea)

Epoch 2000 Sept. 13.0 TT = JDT 2451800.5		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	1.39495251	ω 57.20518	+0.42780158 -0.90142150
<i>a</i>	0.0781147	Ω 8.32605	+0.59618587 +0.22609215
<i>e</i>	0.1409323	<i>i</i> 27.34725	+0.67937340 +0.36921756
<i>P</i>	258.07 d	<i>H</i> 11.0	<i>G</i> 0.15

From 101 observations 1938 July 6–1995 Aug. 28, mean residual 0".74.

Jupiter XI (Carme)

Epoch 2000 Sept. 13.0 TT = JDT 2451800.5		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	0.49387346	ω 31.23457	-0.03178723 +0.97502883
<i>a</i>	0.1560852	Ω 122.19308	+0.85508406 -0.08733148
<i>e</i>	0.2230534	<i>i</i> 164.94644	+0.51751408 +0.20418617
<i>P</i>	728.93 d	<i>H</i> 10.7	<i>G</i> 0.15

From 195 observations 1938 July 30–1999 Dec. 2, mean residual 0".70.

Jupiter XII (Ananke)

Epoch 2000 Sept. 13.0 TT = JDT 2451800.5		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	0.56810899	ω 81.53769	+0.36424466 -0.92261973
<i>a</i>	0.1421732	Ω 14.94432	-0.92209352 -0.37639260
<i>e</i>	0.3577882	<i>i</i> 150.52701	+0.13064976 -0.08427008
<i>P</i>	633.68 d	<i>H</i> 12.5	<i>G</i> 0.15

From 107 observations 1958 Apr. 14–1999 Nov. 12, mean residual 0".59.

Jupiter XIII (Leda)

Epoch 2000 Sept. 13.0 TT = JDT 2451800.5		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	1.50130313	ω 268.75830	-0.51379727 -0.81222645
<i>a</i>	0.0743807	Ω 216.78371	+0.84716218 -0.53115111
<i>e</i>	0.1790630	<i>i</i> 27.47114	-0.13538318 -0.24117771
<i>P</i>	239.79 d	<i>H</i> 13.1	<i>G</i> 0.15

From 57 observations 1974 Sept. 11–1995 June 25, mean residual 0".74.

Saturn IX (Phoebe)

Epoch 2000 Sept. 13.0 TT = JDT 2451800.5		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	0.65055245	ω 353.60901	-0.00551359 -0.99322532
<i>a</i>	0.0868985	Ω 263.33651	-0.91221607 -0.04255790
<i>e</i>	0.1508314	<i>i</i> 173.28891	-0.40967235 +0.10813090
<i>P</i>	553.38 d	<i>H</i> 6.4	<i>G</i> 0.15

From 250 observations 1904 Nov. 7–2000 Mar. 3, mean residual 0".83.

S/1999 U 1

Epoch 2000 Sept. 13.0 TT = JDT 2451800.5		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	0.15352461	ω 2.18893	-0.37498525 -0.78948223
<i>a</i>	0.1216938	Ω 249.84521	-0.85820458 +0.09744439
<i>e</i>	0.4943258	<i>i</i> 148.82857	-0.35052955 +0.60598877
<i>P</i>	2344.90 d	<i>H</i> 10.7	<i>G</i> 0.15

From 25 observations 1999 July 19–2000 June 29, mean residual 0".37.

S/1999 U 3

Epoch 2000 Sept. 13.0 TT = JDT 2451800.5		Williams	
<i>M</i>	(2000.0)	P	Q
<i>n</i>	0.18436841	ω 173.56908	-0.82260055 +0.44404302
<i>a</i>	0.1077116	Ω 320.14684	+0.49388583 +0.86750231
<i>e</i>	0.3274493	<i>i</i> 146.34027	+0.28178914 -0.22419978
<i>P</i>	1952.61 d	<i>H</i> 10.5	<i>G</i> 0.15

From 23 observations 1999 July 19–2000 June 28, mean residual 0".40.

Uranus XVI (Caliban)

Epoch 2000 Sept. 13.0 TT = JDT 2451800.5

Williams

<i>M</i>	185.69892	(2000.0)	P	Q
<i>n</i>	0.62109273	ω 338.61389	-0.95150327	-0.30266574
<i>a</i>	0.0479309	Ω 175.10596	-0.08797473	+0.43929809
<i>e</i>	0.0806339	<i>i</i> 139.77847	-0.29479140	+0.84581950
<i>P</i>	579.62 d	<i>H</i> 8.9	<i>G</i> 0.15	

From 59 observations 1984 June 1–2000 May 28, mean residual 0".44.

Uranus XVII (Sycorax)

Epoch 2000 Sept. 13.0 TT = JDT 2451800.5

Williams

<i>M</i>	333.37386	(2000.0)	P	Q
<i>n</i>	0.27928812	ω 16.98831	-0.48647560	-0.75177178
<i>a</i>	0.0816618	Ω 255.78284	-0.84546259	+0.27658257
<i>e</i>	0.5116738	<i>i</i> 152.66188	-0.22030547	+0.59861613
<i>P</i>	1288.99 d	<i>H</i> 7.0	<i>G</i> 0.15	

From 141 observations 1984 June 2–2000 May 28, mean residual 0".47.

Neptune II (Nereid)

Epoch 2000 Sept. 13.0 TT = JDT 2451800.5

Williams

<i>M</i>	111.33625	(2000.0)	P	Q
<i>n</i>	0.99976156	ω 296.28813	-0.23056328	+0.97142048
<i>a</i>	0.0368564	Ω 320.24995	-0.85834231	-0.23035031
<i>e</i>	0.7437832	<i>i</i> 5.06167	-0.45835473	-0.05727982
<i>P</i>	360.09 d	<i>H</i> 4.8	<i>G</i> 0.15	

From 247 observations 1949 May 1–1999 Aug. 10, mean residual 0".49.

SUMMARY OF NEW NUMBERINGS

The following summary of new numberings of minor planets lists for each object the number, principal provisional designation, date of discovery, observatory code of the discovery site and the names of the discoverers. A separate table lists orbital elements and absolute magnitudes (the slope parameter *G* being 0.15 in every case). Further details, including additional identifications and residuals, are given in the *Minor Planet Circulars Orbit Supplement*.

(15669)	1974 ST ₁	1974 09 19	095	Chernykh, L. I.
(15670)	1975 SO ₁	1975 09 30	675	Bus, S. J.
(15671)	1977 EP ₆	1977 03 12	381	Kosai, H., Hurukawa, K.
(15672)	1977 EX ₇	1977 03 12	381	Kosai, H., Hurukawa, K.
(15673)	1978 PV ₂	1978 08 08	095	Chernykh, N. S.
(15674)	1978 RR ₇	1978 09 02	809	Lagerkvist, C.-I.
(15675)	1978 SP ₅	1978 09 27	095	Chernykh, L. I.
(15676)	1978 TQ ₅	1978 10 08	095	Chernykh, L. I.
(15677)	1980 TZ ₅	1980 10 14	330	Purple Mountain Observatory
(15678)	1981 DM	1981 02 28	413	Bus, S. J.
(15679)	1981 DA ₁	1981 02 28	413	Bus, S. J.
(15680)	1981 EV ₇	1981 03 01	413	Bus, S. J.
(15681)	1981 ES ₁₇	1981 03 02	413	Bus, S. J.
(15682)	1981 EB ₂₅	1981 03 02	413	Bus, S. J.
(15683)	1981 EX ₂₅	1981 03 02	413	Bus, S. J.
(15684)	1981 ED ₂₈	1981 03 02	413	Bus, S. J.
(15685)	1981 EU ₃₃	1981 03 01	413	Bus, S. J.

(15686)	1981 EW ₃₃	1981 03 01	413	Bus, S. J.
(15687)	1981 ES ₃₈	1981 03 01	413	Bus, S. J.
(15688)	1981 UW ₂₃	1981 10 24	675	Bus, S. J.
(15689)	1981 UP ₂₅	1981 10 25	675	Bus, S. J.
(15690)	1982 JD ₃	1982 05 15	675	Palomar
(15691)	1982 TF ₁	1982 10 14	095	Karachkina, L. G.
(15692)	1984 RA	1984 09 01	675	Barucci, M. A.
(15693)	1984 SN ₆	1984 09 23	809	Debehogne, H.
(15694)	1985 RR ₃	1985 09 07	809	Debehogne, H.
(15695)	1985 RJ ₅	1985 09 11	095	Chernykh, N. S.
(15696)	1986 QG ₁	1986 08 26	809	Debehogne, H.
(15697)	1986 QO ₁	1986 08 27	809	Debehogne, H.
(15698)	1986 QO ₂	1986 08 28	809	Debehogne, H.
(15699)	1986 VM ₆	1986 11 06	688	Bowell, E.
(15700)	1987 QD	1987 08 24	675	Singer-Brewster, S.
(15701)	1987 RG ₁	1987 09 13	809	Debehogne, H.
(15702)	1987 RN ₃	1987 09 02	095	Chernykh, L. I.
(15703)	1987 SU ₁	1987 09 21	688	Bowell, E.
(15704)	1987 SE ₇	1987 09 20	675	Alu, J., Helin, E. F.
(15705)	1988 AH ₅	1988 01 14	809	Debehogne, H.
(15706)	1988 CE ₂	1988 02 11	809	Elst, E. W.
(15707)	1988 RN ₄	1988 09 01	809	Debehogne, H.
(15708)	1988 RB ₁₂	1988 09 14	807	Bus, S. J.
(15709)	1988 XH ₁	1988 12 07	399	Ueda, S., Kaneda, H.
(15710)	1989 AV ₆	1989 01 11	033	Börngen, F.
(15711)	1989 GZ ₁	1989 04 03	809	Elst, E. W.
(15712)	1989 RN ₂	1989 09 01	474	Gilmore, A. C., Kilmartin, P. M.
(15713)	1989 SM ₄	1989 09 26	809	Elst, E. W.
(15714)	1989 TL ₁₅	1989 10 03	809	Debehogne, H.
(15715)	1989 UN ₁	1989 10 28	403	Mizuno, Y., Furuta, T.
(15716)	1989 WY ₁	1989 11 29	400	Takahashi, A., Watanabe, K.
(15717)	1990 BL ₁	1990 01 21	675	Helin, E. F.
(15718)	1990 BB ₂	1990 01 30	399	Matsuyama, M., Watanabe, K.
(15719)	1990 CF	1990 02 01	402	Sugie, A.
(15720)	1990 EN ₁	1990 03 02	809	Elst, E. W.
(15721)	1990 OV	1990 07 19	675	Helin, E. F.
(15722)	1990 QV ₂	1990 08 24	675	Holt, H. E.
(15723)	1990 SA ₂	1990 09 20	372	Seki, T.
(15724)	1990 TW ₃	1990 10 12	033	Börngen, F., Schmadel, L. D.
(15725)	1990 TX ₄	1990 10 09	413	McNaught, R. H.
(15726)	1990 TG ₅	1990 10 09	413	McNaught, R. H.
(15727)	1990 TO ₉	1990 10 10	033	Börngen, F., Schmadel, L. D.
(15728)	1990 TG ₁₁	1990 10 11	033	Börngen, F., Schmadel, L. D.
(15729)	1990 UB	1990 10 16	400	Takahashi, A., Watanabe, K.
(15730)	1990 UA ₁	1990 10 20	402	Sugie, A.
(15731)	1990 UW ₂	1990 10 16	801	Oak Ridge Observatory
(15732)	1990 VZ ₅	1990 11 15	809	Elst, E. W.
(15733)	1990 VB ₆	1990 11 15	809	Elst, E. W.
(15734)	1990 WV ₁	1990 11 18	809	Elst, E. W.
(15735)	1990 WF ₂	1990 11 18	809	Elst, E. W.
(15736)	1990 XN	1990 12 08	400	Endate, K., Watanabe, K.
(15737)	1991 CL	1991 02 05	875	Arai, M., Mori, H.

(15738)	1991 DP	1991 02 21	889	Inoda, S., Urata, T.	(15790)	1993 TC	1993 10 08	364	Mukai, M., Takeishi, M.
(15739)	1991 ER	1991 03 09	372	Seki, T.	(15791)	1993 TM ₁	1993 10 15	400	Endate, K., Watanabe, K.
(15740)	1991 EG ₁	1991 03 15	400	Endate, K., Watanabe, K.	(15792)	1993 TS ₁₅	1993 10 09	809	Elst, E. W.
(15741)	1991 GZ ₆	1991 04 08	809	Elst, E. W.	(15793)	1993 TG ₁₉	1993 10 09	809	Elst, E. W.
(15742)	1991 LB ₄	1991 06 06	809	Elst, E. W.	(15794)	1993 TG ₃₁	1993 10 09	809	Elst, E. W.
(15743)	1991 ND ₇	1991 07 12	809	Debehogne, H.	(15795)	1993 TY ₃₈	1993 10 09	809	Elst, E. W.
(15744)	1991 PU	1991 08 05	675	Holt, H. E.	(15796)	1993 TZ ₃₈	1993 10 09	809	Elst, E. W.
(15745)	1991 PM ₅	1991 08 03	809	Elst, E. W.	(15797)	1993 UD ₃	1993 10 22	408	Hirasawa, M., Suzuki, S.
(15746)	1991 PN ₈	1991 08 05	675	Holt, H. E.	(15798)	1993 VZ ₄	1993 11 14	408	Hirasawa, M., Suzuki, S.
(15747)	1991 RW ₂₃	1991 09 11	675	Holt, H. E.	(15799)	1993 XN	1993 12 08	411	Kobayashi, T.
(15748)	1991 RG ₂₅	1991 09 11	675	Holt, H. E.	(15800)	1993 XP	1993 12 08	411	Kobayashi, T.
(15749)	1991 VT ₁	1991 11 05	887	Natori, A., Urata, T.	(15801)	1994 AF	1994 01 02	411	Kobayashi, T.
(15750)	1991 VJ ₄	1991 11 09	402	Sugie, A.	(15802)	1994 AT ₂	1994 01 14	411	Kobayashi, T.
(15751)	1991 VN ₄	1991 11 10	894	Otomo, S.	(15803)	1994 CW	1994 02 07	595	Farra d'Isonzo
(15752)	1992 BD ₂	1992 01 30	809	Elst, E. W.	(15804)	1994 EY ₅	1994 03 09	010	Elst, E. W.
(15753)	1992 DD ₁₀	1992 02 29	809	UESAC	(15805)	1994 GB ₁	1994 04 08	400	Endate, K., Watanabe, K.
(15754)	1992 EP	1992 03 07	399	Ueda, S., Kaneda, H.	(15806)	1994 GN ₁	1994 04 15	400	Endate, K., Watanabe, K.
(15755)	1992 ET ₅	1992 03 02	809	UESAC	(15807)	1994 GV ₉	1994 04 15	568	Jewitt, D. C., Chen, J.
(15756)	1992 ET ₉	1992 03 02	809	UESAC	(15808)	1994 GF ₁₀	1994 04 03	033	Börngen, F.
(15757)	1992 EJ ₁₃	1992 03 02	809	UESAC	(15809)	1994 JS	1994 05 11	807	Jewitt, D. C., Luu, J. X.
(15758)	1992 FT ₁	1992 03 30	894	Otomo, S.	(15810)	1994 JR ₁	1994 05 12	950	Irwin, M. J., Żytkow, A.
(15759)	1992 GM ₄	1992 04 04	809	Elst, E. W.	(15811)	1994 ND ₁	1994 07 10	033	Börngen, F.
(15760)	1992 QB ₁	1992 08 30	568	Jewitt, D. C., Luu, J. X.	(15812)	1994 PZ	1994 08 14	411	Kobayashi, T.
(15761)	1992 SM ₁₆	1992 09 24	033	Börngen, F., Schmadel, L. D.	(15813)	1994 PL ₁₂	1994 08 10	809	Elst, E. W.
(15762)	1992 SR ₂₄	1992 09 21	033	Börngen, F.	(15814)	1994 PX ₁₂	1994 08 10	809	Elst, E. W.
(15763)	1992 UO ₅	1992 10 26	400	Endate, K., Watanabe, K.	(15815)	1994 PY ₁₈	1994 08 12	809	Elst, E. W.
(15764)	1992 UL ₈	1992 10 31	896	Kushida, Y., Muramatsu, O.	(15816)	1994 PV ₃₉	1994 08 10	809	Elst, E. W.
(15765)	1992 WU ₁	1992 11 18	402	Sugie, A.	(15817)	1994 QC	1994 08 28	104	San Marcello
(15766)	1993 BD ₁₃	1993 01 22	809	Elst, E. W.	(15818)	1994 RO ₇	1994 09 12	691	Spacewatch
(15767)	1993 FN ₇	1993 03 17	809	UESAC	(15819)	1994 SN ₉	1994 09 28	691	Spacewatch
(15768)	1993 FW ₁₁	1993 03 17	809	UESAC	(15820)	1994 TB	1994 10 02	568	Jewitt, D. C., Chen, J.
(15769)	1993 FP ₂₃	1993 03 21	809	UESAC	(15821)	1994 TM ₂	1994 10 02	400	Endate, K., Watanabe, K.
(15770)	1993 FL ₂₉	1993 03 21	809	UESAC	(15822)	1994 TV ₁₅	1994 10 08	675	Helin, E. F.
(15771)	1993 FS ₃₄	1993 03 19	809	UESAC	(15823)	1994 UO ₁	1994 10 25	399	Ueda, S., Kaneda, H.
(15772)	1993 FW ₃₄	1993 03 19	809	UESAC	(15824)	1994 WM ₁	1994 11 27	411	Kobayashi, T.
(15773)	1993 FO ₃₇	1993 03 19	809	UESAC	(15825)	1994 WX ₁	1994 11 30	595	Farra d'Isonzo
(15774)	1993 FK ₃₈	1993 03 19	809	UESAC	(15826)	1994 YO	1994 12 28	411	Kobayashi, T.
(15775)	1993 FA ₄₉	1993 03 19	809	UESAC	(15827)	1995 AO ₁	1995 01 10	411	Kobayashi, T.
(15776)	1993 KO	1993 05 20	894	Otomo, S.	(15828)	1995 BS	1995 01 23	411	Kobayashi, T.
(15777)	1993 LF	1993 06 14	675	Holt, H. E.	(15829)	1995 BA ₁	1995 01 25	411	Kobayashi, T.
(15778)	1993 NH	1993 07 15	675	Helin, E. F.	(15830)	1995 BW ₁	1995 01 27	411	Kobayashi, T.
(15779)	1993 OA ₃	1993 07 26	675	Shoemaker, C. S.	(15831)	1995 BG ₃	1995 01 29	905	Shimizu, Y., Urata, T.
(15780)	1993 OO ₃	1993 07 20	809	Elst, E. W.	(15832)	1995 CB ₁	1995 02 07	897	Kojima, T.
(15781)	1993 OJ ₇	1993 07 20	809	Elst, E. W.	(15833)	1995 CL ₁	1995 02 03	408	Hirasawa, M., Suzuki, S.
(15782)	1993 ON ₈	1993 07 20	809	Elst, E. W.	(15834)	1995 CT ₁	1995 02 04	413	Asher, D. J.
(15783)	1993 PZ ₂	1993 08 14	010	Elst, E. W.	(15835)	1995 DY	1995 02 21	411	Kobayashi, T.
(15784)	1993 QZ	1993 08 20	675	Helin, E. F.	(15836)	1995 DA ₂	1995 02 24	568	Luu, J. X., Jewitt, D. C.
(15785)	1993 QO ₃	1993 08 18	010	Elst, E. W.	(15837)	1995 DG ₁₃	1995 02 25	098	Munari, U.
(15786)	1993 RS	1993 09 15	400	Endate, K., Watanabe, K.	(15838)	1995 FU ₁₂	1995 03 27	691	Spacewatch
(15787)	1993 RY ₇	1993 09 15	809	Elst, E. W.	(15839)	1995 JH ₁	1995 05 05	010	Elst, E. W.
(15788)	1993 SB	1993 09 16	950	Williams, I. P., Fitzsimmons, A., O'Ceallaigh, D.	(15840)	1995 KH ₁	1995 05 31	358	Okuni, T.
(15789)	1993 SC	1993 09 17	950	Williams, I. P., Fitzsimmons, A., O'Ceallaigh, D.	(15841)	1995 OX	1995 07 27	360	Nakamura, A.

(15842)	1995 SX ₂	1995 09 20	399	Ueda, S., Kaneda, H.	(15894)	1997 JA ₁₃	1997 05 03	809	Elst, E. W.
(15843)	1995 SO ₃	1995 09 20	400	Endate, K., Watanabe, K.	(15895)	1997 JJ ₁₅	1997 05 03	809	Elst, E. W.
(15844)	1995 UQ ₅	1995 10 20	905	Shimizu, Y., Urata, T.	(15896)	1997 LX ₅	1997 06 13	684	Comba, P. G.
(15845)	1995 UC ₁₇	1995 10 17	691	Spacewatch	(15897)	1997 PD ₃	1997 08 10	557	Pravec, P.
(15846)	1995 UK ₂₈	1995 10 20	691	Spacewatch	(15898)	1997 QP	1997 08 26	557	Pravec, P., Šarounová, L.
(15847)	1995 WA ₂	1995 11 18	411	Kobayashi, T.	(15899)	1997 RR ₁	1997 09 03	132	Antonini, P.
(15848)	1995 YJ ₄	1995 12 28	413	McNaught, R. H.	(15900)	1997 RK ₃	1997 09 03	327	Beijing Schmidt CCD Asteroid Program
(15849)	1995 YM ₁₀	1995 12 18	691	Spacewatch	(15901)	1997 RY ₈	1997 09 12	327	Beijing Schmidt CCD Asteroid Program
(15850)	1996 AE ₁	1996 01 12	411	Kobayashi, T.	(15902)	1997 RA ₉	1997 09 13	557	Šarounová, L.
(15851)	1996 AD ₁₀	1996 01 13	691	Spacewatch	(15903)	1997 RP ₁₀	1997 09 05	292	Handley, T.
(15852)	1996 BR ₁	1996 01 23	411	Kobayashi, T.	(15904)	1997 SD ₁₁	1997 09 29	727	Stafford, T.
(15853)	1996 BB ₁₃	1996 01 16	098	Munari, U., Tombelli, M.	(15905)	1997 SV ₁₅	1997 09 27	910	ODAS
(15854)	1996 CX ₂	1996 02 15	596	Casulli, V. S.	(15906)	1997 SX ₂₁	1997 09 30	358	Okumi, T.
(15855)	1996 CP ₇	1996 02 14	098	Munari, U., Tombelli, M.	(15907)	1997 TG ₁₀	1997 10 06	557	Pravec, P.
(15856)	1996 EL	1996 03 10	400	Endate, K., Watanabe, K.	(15908)	1997 TE ₁₂	1997 10 02	691	Spacewatch
(15857)	1996 EK ₁	1996 03 10	400	Endate, K., Watanabe, K.	(15909)	1997 TM ₁₇	1997 10 08	411	Kobayashi, T.
(15858)	1996 EK ₁₅	1996 03 12	691	Spacewatch	(15910)	1997 TU ₁₇	1997 10 06	400	Endate, K., Watanabe, K.
(15859)	1996 GO ₁₈	1996 04 15	809	Elst, E. W.	(15911)	1997 TL ₂₁	1997 10 04	691	Spacewatch
(15860)	1996 HO	1996 04 20	118	Koleny, P., Kornos, L.	(15912)	1997 TR ₂₆	1997 10 13	327	Beijing Schmidt CCD Asteroid Program
(15861)	1996 HB ₁₂	1996 04 17	809	Elst, E. W.	(15913)	1997 TZ ₂₇	1997 10 01	809	Uppsala-DLR Trojan Survey
(15862)	1996 HJ ₁₅	1996 04 17	809	Elst, E. W.	(15914)	1997 UM ₃	1997 10 26	411	Kobayashi, T.
(15863)	1996 HT ₁₅	1996 04 18	809	Elst, E. W.	(15915)	1997 UR ₃	1997 10 26	411	Kobayashi, T.
(15864)	1996 HQ ₂₃	1996 04 20	809	Elst, E. W.	(15916)	1997 UL ₇	1997 10 25	369	Sato, N.
(15865)	1996 HW ₂₅	1996 04 20	809	Elst, E. W.	(15917)	1997 UX ₇	1997 10 28	557	Šarounová, L.
(15866)	1996 KG	1996 05 16	120	Višnjan	(15918)	1997 UE ₉	1997 10 27	127	Ehring, N.
(15867)	1996 NK ₅	1996 07 14	809	Elst, E. W.	(15919)	1997 UA ₂₂	1997 10 25	408	Hirasawa, M., Suzuki, S.
(15868)	1996 OL	1996 07 16	360	Nakamura, A.	(15920)	1997 UB ₂₅	1997 10 29	704	LINEAR
(15869)	1996 PL	1996 08 08	596	Casulli, V. S.	(15921)	1997 VP	1997 11 01	360	Nakamura, A.
(15870)	1996 QD	1996 08 16	557	Pravec, P.	(15922)	1997 VR	1997 11 01	400	Endate, K., Watanabe, K.
(15871)	1996 QX ₁	1996 08 24	399	Ueda, S., Kaneda, H.	(15923)	1997 VN ₃	1997 11 06	411	Kobayashi, T.
(15872)	1996 RJ ₄	1996 09 11	566	JPL/GEODSS NEAT	(15924)	1997 VE ₅	1997 11 07	592	Koch, B.
(15873)	1996 TH ₇	1996 10 05	905	Shimizu, Y., Urata, T.	(15925)	1997 VM ₆	1997 11 10	557	Šarounová, L.
(15874)	1996 TL ₆₆	1996 10 09	568	Trujillo, C., Jewitt, D. C., Luu, J. X., Chen, J.	(15926)	1997 VP ₆	1997 11 05	905	Shimizu, Y., Urata, T.
(15875)	1996 TP ₆₆	1996 10 11	568	Luu, J. X., Jewitt, D. C., Trujillo, C.	(15927)	1997 WV ₂	1997 11 23	411	Kobayashi, T.
(15876)	1996 VO ₃₈	1996 11 12	399	Ueda, S., Kaneda, H.	(15928)	1997 WC ₃	1997 11 23	411	Kobayashi, T.
(15877)	1996 WZ ₁	1996 11 24	327	Beijing Schmidt CCD Asteroid Program	(15929)	1997 WQ ₁₁	1997 11 22	691	Spacewatch
(15878)	1996 XC ₃	1996 12 03	411	Kobayashi, T.	(15930)	1997 WT ₃₇	1997 11 29	704	LINEAR
(15879)	1996 XH ₆	1996 12 03	905	Shimizu, Y., Urata, T.	(15931)	1997 WK ₄₅	1997 11 29	704	LINEAR
(15880)	1997 AM ₇	1997 01 09	411	Kobayashi, T.	(15932)	1997 XL ₅	1997 12 02	905	Shimizu, Y., Urata, T.
(15881)	1997 CU	1997 02 01	411	Kobayashi, T.	(15933)	1997 YD	1997 12 18	411	Kobayashi, T.
(15882)	1997 CF ₂₉	1997 02 07	327	Beijing Schmidt CCD Asteroid Program	(15934)	1997 YQ	1997 12 20	411	Kobayashi, T.
(15883)	1997 CR ₂₉	1997 02 03	568	Trujillo, C., Chen, J., Jewitt, D. C.	(15935)	1997 YT	1997 12 20	411	Kobayashi, T.
(15884)	1997 DJ	1997 02 27	369	Sato, N.	(15936)	1997 YM ₄	1997 12 22	426	Zoltowski, F. B.
(15885)	1997 EE	1997 03 01	411	Kobayashi, T.	(15937)	1997 YP ₅	1997 12 25	411	Kobayashi, T.
(15886)	1997 EB ₆	1997 03 07	411	Kobayashi, T.	(15938)	1997 YA ₈	1997 12 27	684	Comba, P. G.
(15887)	1997 ER ₂₆	1997 03 04	691	Spacewatch	(15939)	1997 YP ₈	1997 12 28	691	Spacewatch
(15888)	1997 EE ₂₉	1997 03 13	120	Višnjan	(15940)	1997 YU ₁₃	1997 12 31	411	Kobayashi, T.
(15889)	1997 FD ₄	1997 03 31	704	LINEAR	(15941)	1997 YX ₁₅	1997 12 29	691	Spacewatch
(15890)	1997 GY	1997 04 03	046	Kleť	(15942)	1997 YZ ₁₆	1997 12 23	399	Ueda, S., Kaneda, H.
(15891)	1997 GG ₇	1997 04 02	704	LINEAR	(15943)	1998 AZ	1998 01 05	411	Kobayashi, T.
(15892)	1997 GB ₁₄	1997 04 03	704	LINEAR	(15944)	1998 AH ₅	1998 01 08	910	ODAS
(15893)	1997 GV ₂₀	1997 04 06	704	LINEAR	(15945)	1998 AZ ₅	1998 01 08	910	ODAS

(15946)	1998 AP ₇	1998 01 08	118	Galad, A., Pravda, A.	(15998)	1999 AG ₂	1999 01 09	411	Kobayashi, T.
(15947)	1998 AL ₁₀	1998 01 02	428	Broughton, J.	(15999)	1999 AG ₇	1999 01 09	120	Korlević, K.
(15948)	1998 BE	1998 01 16	411	Kobayashi, T.	(16000)	1999 AW ₁₆	1999 01 10	691	Spacewatch
(15949)	1998 BQ	1998 01 17	540	Meyer, E., Obermair, E.	(16001)	1999 AY ₂₁	1999 01 15	120	Korlević, K.
(15950)	1998 BA ₂	1998 01 17	560	Lai, L.	(16002)	1999 AM ₂₄	1999 01 15	910	ODAS
(15951)	1998 BB ₂	1998 01 17	560	Lai, L.	(16003)	1999 BX ₂	1999 01 19	411	Kobayashi, T.
(15952)	1998 BM ₇	1998 01 24	566	JPL/GEODSS NEAT	(16004)	1999 BZ ₃	1999 01 20	120	Korlević, K.
(15953)	1998 BD ₈	1998 01 25	411	Kobayashi, T.	(16005)	1999 BP ₇	1999 01 21	120	Korlević, K.
(15954)	1998 BG ₁₁	1998 01 23	704	LINEAR	(16006)	1999 BJ ₉	1999 01 22	120	Korlević, K.
(15955)	1998 BS ₁₃	1998 01 26	540	Meyer, E.	(16007)	1999 BC ₁₁	1999 01 20	910	ODAS
(15956)	1998 BY ₂₄	1998 01 28	411	Kobayashi, T.	(16008)	1999 CV	1999 02 05	411	Kobayashi, T.
(15957)	1998 BB ₂₇	1998 01 22	691	Spacewatch	(16009)	1999 CM ₈	1999 02 13	411	Kobayashi, T.
(15958)	1998 BE ₃₃	1998 01 30	910	ODAS	(16010)	1999 CG ₁₄	1999 02 13	120	Korlević, K.
(15959)	1998 BQ ₄₀	1998 01 24	566	JPL/GEODSS NEAT	(16011)	1999 CM ₁₆	1999 02 06	120	Korlević, K.
(15960)	1998 CH	1998 02 02	046	Tichý, M., Moravec, Z.	(16012)	1999 CG ₁₉	1999 02 10	704	LINEAR
(15961)	1998 CC ₁	1998 02 04	327	Beijing Schmidt CCD Asteroid Program	(16013)	1999 CX ₃₈	1999 02 10	704	LINEAR
(15962)	1998 CM ₂	1998 02 15	327	Beijing Schmidt CCD Asteroid Program	(16014)	1999 CB ₄₇	1999 02 10	704	LINEAR
(15963)	1998 CY ₃	1998 02 06	809	Elst, E. W.	(16015)	1999 CK ₄₇	1999 02 10	704	LINEAR
(15964)	1998 DU	1998 02 19	732	Roe, J.	(16016)	1999 CB ₅₄	1999 02 10	704	LINEAR
(15965)	1998 DU ₇	1998 02 23	732	Roe, J.	(16017)	1999 CX ₆₅	1999 02 12	704	LINEAR
(15966)	1998 DL ₁₃	1998 02 25	566	JPL/GEODSS NEAT	(16018)	1999 CJ ₆₇	1999 02 12	704	LINEAR
(15967)	1998 DN ₂₀	1998 02 24	960	Armstrong, M.	(16019)	1999 CL ₆₉	1999 02 12	704	LINEAR
(15968)	1998 DX ₃₅	1998 02 27	098	Munari, U., Tombelli, M.	(16020)	1999 CA ₇₆	1999 02 12	704	LINEAR
(15969)	1998 EW ₁₁	1998 03 01	809	Elst, E. W.	(16021)	1999 CG ₈₁	1999 02 12	704	LINEAR
(15970)	1998 FA ₉	1998 03 22	691	Spacewatch	(16022)	1999 CJ ₈₆	1999 02 10	704	LINEAR
(15971)	1998 FA ₁₁	1998 03 25	910	ODAS	(16023)	1999 CV ₉₃	1999 02 10	704	LINEAR
(15972)	1998 FM ₂₇	1998 03 20	704	LINEAR	(16024)	1999 CT ₁₀₁	1999 02 10	704	LINEAR
(15973)	1998 FM ₈₅	1998 03 24	704	LINEAR	(16025)	1999 CA ₁₀₄	1999 02 12	704	LINEAR
(15974)	1998 FL ₁₀₃	1998 03 31	704	LINEAR	(16026)	1999 CM ₁₁₈	1999 02 13	704	LINEAR
(15975)	1998 FW ₁₀₈	1998 03 31	704	LINEAR	(16027)	1999 DV ₁	1999 02 18	566	JPL/GEODSS NEAT
(15976)	1998 FY ₁₁₉	1998 03 20	704	LINEAR	(16028)	1999 DC ₆	1999 02 17	704	LINEAR
(15977)	1998 MA ₁₁	1998 06 19	704	LINEAR	(16029)	1999 DQ ₆	1999 02 20	704	LINEAR
(15978)	1998 QL ₁	1998 08 17	120	Višnjan	(16030)	1999 FS ₃	1999 03 19	757	Chesney, D. K.
(15979)	1998 QW ₃₄	1998 08 17	704	LINEAR	(16031)	1999 FJ ₁₀	1999 03 20	763	Sandness, R. G.
(15980)	1998 RC ₁₉	1998 09 14	704	LINEAR	(16032)	1999 FU ₃₀	1999 03 19	704	LINEAR
(15981)	1998 UP ₆	1998 10 18	905	Shimizu, Y., Urata, T.	(16033)	1999 FT ₃₂	1999 03 24	120	Korlević, K.
(15982)	1998 VA ₄	1998 11 11	910	ODAS	(16034)	1999 FW ₃₂	1999 03 24	704	LINEAR
(15983)	1998 WM ₁	1998 11 18	411	Kobayashi, T.	(16035)	1999 FX ₃₂	1999 03 24	699	LONEOS
(15984)	1998 WM ₇	1998 11 24	704	LINEAR	(16036)	1999 GV ₈	1999 04 10	699	LONEOS
(15985)	1998 WU ₂₀	1998 11 18	704	LINEAR	(16037)	1999 GX ₈	1999 04 10	699	LONEOS
(15986)	1998 XU ₁	1998 12 07	910	ODAS	(16038)	1999 GD ₁₈	1999 04 15	704	LINEAR
(15987)	1998 XV ₁₀	1998 12 15	910	ODAS	(16039)	1999 GH ₁₈	1999 04 15	704	LINEAR
(15988)	1998 XD ₂₄	1998 12 11	691	Spacewatch	(16040)	1999 GN ₁₈	1999 04 15	704	LINEAR
(15989)	1998 XK ₃₉	1998 12 14	704	LINEAR	(16041)	1999 GM ₁₉	1999 04 15	704	LINEAR
(15990)	1998 YT ₁	1998 12 17	120	Korlević, K.	(16042)	1999 GA ₂₀	1999 04 15	704	LINEAR
(15991)	1998 YH ₃	1998 12 17	411	Kobayashi, T.	(16043)	1999 GP ₂₃	1999 04 06	704	LINEAR
(15992)	1998 YL ₄	1998 12 18	734	Hug, G.	(16044)	1999 GW ₂₄	1999 04 06	704	LINEAR
(15993)	1998 YH ₈	1998 12 24	411	Kobayashi, T.	(16045)	1999 HU ₂	1999 04 22	327	Beijing Schmidt CCD Asteroid Program
(15994)	1998 YO ₈	1998 12 23	120	Korlević, K.	(16046)	1999 JK	1999 05 05	428	Broughton, J.
(15995)	1998 YQ ₉	1998 12 25	120	Korlević, K., Jurić, M.	(16047)	1999 JG ₁₀	1999 05 08	703	CSS
(15996)	1998 YC ₁₂	1998 12 27	411	Kobayashi, T.	(16048)	1999 JU ₂₃	1999 05 10	704	LINEAR
(15997)	1999 AX	1999 01 07	411	Kobayashi, T.	(16049)	1999 JS ₃₂	1999 05 10	704	LINEAR

(16050)	1999 JN ₃₅	1999 05 10	704	LINEAR	(16102)	1999 VT ₆₈	1999 11 04	704	LINEAR
(16051)	1999 JF ₃₆	1999 05 10	704	LINEAR	(16103)	1999 VU ₈₁	1999 11 05	704	LINEAR
(16052)	1999 JX ₃₆	1999 05 10	704	LINEAR	(16104)	1999 VT ₁₇₇	1999 11 06	704	LINEAR
(16053)	1999 JA ₄₀	1999 05 10	704	LINEAR	(16105)	1999 VL ₂₁₁	1999 11 14	699	LONEOS
(16054)	1999 JP ₅₅	1999 05 10	704	LINEAR	(16106)	1999 VW ₂₁₂	1999 11 12	699	LONEOS
(16055)	1999 JQ ₅₆	1999 05 10	704	LINEAR	(16107)	1999 WQ ₂	1999 11 27	747	Cooney Jr., W. R.
(16056)	1999 JN ₇₅	1999 05 06	704	LINEAR	(16108)	1999 WV ₃	1999 11 28	411	Kobayashi, T.
(16057)	1999 JO ₇₅	1999 05 06	704	LINEAR	(16109)	1999 WH ₆	1999 11 28	120	Korlević, K.
(16058)	1999 JP ₇₅	1999 05 06	704	LINEAR	(16110)	1999 WU ₈	1999 11 28	143	Sposetti, S.
(16059)	1999 JV ₈₆	1999 05 12	704	LINEAR	(16111)	1999 XT ₄	1999 12 04	703	CSS
(16060)	1999 JZ ₈₉	1999 05 12	704	LINEAR	(16112)	1999 XK ₁₃	1999 12 05	704	LINEAR
(16061)	1999 JQ ₁₁₇	1999 05 13	704	LINEAR	(16113)	1999 XN ₂₃	1999 12 06	704	LINEAR
(16062)	1999 NR ₃₆	1999 07 14	704	LINEAR	(16114)	1999 XV ₂₃	1999 12 06	704	LINEAR
(16063)	1999 NV ₃₆	1999 07 14	704	LINEAR	(16115)	1999 XH ₂₅	1999 12 06	704	LINEAR
(16064)	1999 RH ₂₇	1999 09 05	703	CSS	(16116)	1999 XQ ₂₉	1999 12 06	704	LINEAR
(16065)	1999 RE ₃₅	1999 09 11	684	Comba, P. G.	(16117)	1999 XS ₂₉	1999 12 06	704	LINEAR
(16066)	1999 RN ₃₉	1999 09 08	703	CSS	(16118)	1999 XQ ₅₆	1999 12 07	704	LINEAR
(16067)	1999 RA ₄₇	1999 09 07	704	LINEAR	(16119)	1999 XS ₆₀	1999 12 07	704	LINEAR
(16068)	1999 RN ₈₆	1999 09 07	704	LINEAR	(16120)	1999 XV ₆₀	1999 12 07	704	LINEAR
(16069)	1999 RS ₉₅	1999 09 07	704	LINEAR	(16121)	1999 XD ₆₆	1999 12 07	704	LINEAR
(16070)	1999 RB ₁₀₁	1999 09 08	704	LINEAR	(16122)	1999 XW ₆₇	1999 12 07	704	LINEAR
(16071)	1999 RW ₁₂₅	1999 09 09	704	LINEAR	(16123)	1999 XQ ₈₃	1999 12 07	704	LINEAR
(16072)	1999 RE ₁₂₈	1999 09 09	704	LINEAR	(16124)	1999 XR ₈₅	1999 12 07	704	LINEAR
(16073)	1999 RK ₁₂₉	1999 09 09	704	LINEAR	(16125)	1999 XK ₈₆	1999 12 07	704	LINEAR
(16074)	1999 RR ₁₂₉	1999 09 09	704	LINEAR	(16126)	1999 XQ ₈₆	1999 12 07	704	LINEAR
(16075)	1999 RL ₁₃₀	1999 09 09	704	LINEAR	(16127)	1999 XK ₉₂	1999 12 07	704	LINEAR
(16076)	1999 RV ₁₃₁	1999 09 09	704	LINEAR	(16128)	1999 XS ₉₂	1999 12 07	704	LINEAR
(16077)	1999 RK ₁₅₇	1999 09 09	704	LINEAR	(16129)	1999 XG ₉₇	1999 12 07	704	LINEAR
(16078)	1999 RG ₁₇₇	1999 09 09	704	LINEAR	(16130)	1999 XU ₉₇	1999 12 07	704	LINEAR
(16079)	1999 RP ₁₈₁	1999 09 09	704	LINEAR	(16131)	1999 XV ₉₇	1999 12 07	704	LINEAR
(16080)	1999 RX ₁₈₄	1999 09 09	704	LINEAR	(16132)	1999 XH ₉₉	1999 12 07	704	LINEAR
(16081)	1999 SR ₁₅	1999 09 30	703	CSS	(16133)	1999 XC ₁₀₀	1999 12 07	704	LINEAR
(16082)	1999 TR ₅	1999 10 02	120	Korlević, K., Jurić, M.	(16134)	1999 XE ₁₀₀	1999 12 07	704	LINEAR
(16083)	1999 TH ₁₂	1999 10 12	046	Kleť	(16135)	1999 XY ₁₀₄	1999 12 09	678	Juels, C. W.
(16084)	1999 TY ₁₈	1999 10 12	106	Crni Vrh	(16136)	1999 XR ₁₀₉	1999 12 04	703	CSS
(16085)	1999 TM ₂₇	1999 10 03	704	LINEAR	(16137)	1999 XX ₁₁₆	1999 12 05	703	CSS
(16086)	1999 TF ₉₀	1999 10 02	704	LINEAR	(16138)	1999 XV ₁₁₉	1999 12 05	703	CSS
(16087)	1999 TR ₁₀₂	1999 10 02	704	LINEAR	(16139)	1999 XO ₁₂₀	1999 12 05	703	CSS
(16088)	1999 TJ ₁₂₁	1999 10 04	704	LINEAR	(16140)	1999 XD ₁₂₅	1999 12 07	703	CSS
(16089)	1999 TG ₁₄₇	1999 10 07	704	LINEAR	(16141)	1999 XT ₁₂₇	1999 12 07	106	Crni Vrh
(16090)	1999 TN ₁₄₇	1999 10 07	704	LINEAR	(16142)	1999 XC ₁₃₅	1999 12 06	704	LINEAR
(16091)	1999 TO ₁₅₂	1999 10 07	704	LINEAR	(16143)	1999 XK ₁₄₂	1999 12 12	704	LINEAR
(16092)	1999 TP ₁₇₁	1999 10 10	704	LINEAR	(16144)	1999 XK ₁₄₄	1999 12 15	678	Juels, C. W.
(16093)	1999 TQ ₁₈₀	1999 10 10	704	LINEAR	(16145)	1999 XP ₁₆₆	1999 12 10	704	LINEAR
(16094)	1999 TQ ₂₂₂	1999 10 02	704	LINEAR	(16146)	1999 XW ₁₇₀	1999 12 10	704	LINEAR
(16095)	1999 TA ₂₄₉	1999 10 08	703	CSS	(16147)	1999 XL ₁₇₅	1999 12 10	704	LINEAR
(16096)	1999 US ₆	1999 10 29	327	Beijing Schmidt CCD Asteroid Program	(16148)	1999 XG ₁₈₈	1999 12 12	704	LINEAR
(16097)	1999 UE ₅₀	1999 10 30	703	CSS	(16149)	1999 XS ₂₁₅	1999 12 14	704	LINEAR
(16098)	1999 VR ₉	1999 11 09	120	Korlević, K.	(16150)	1999 XZ ₂₂₇	1999 12 09	699	LONEOS
(16099)	1999 VQ ₂₄	1999 11 15	557	Kusnirak, P., Pravec, P.	(16151)	1999 XF ₂₃₀	1999 12 07	703	CSS
(16100)	1999 VO ₃₀	1999 11 03	704	LINEAR	(16152)	1999 YN ₁₂	1999 12 30	104	Tesi, L., Tombelli, M.
(16101)	1999 VA ₃₆	1999 11 03	704	LINEAR	(16153)	2000 AB	2000 01 01	120	Korlević, K.

(16154)	2000 AW ₂	2000 01 01	104	Boattini, A., Tombelli, M.	(16206)	2000 CL ₃₉	2000 02 04	704	LINEAR
(16155)	2000 AF ₅	2000 01 03	428	Broughton, J.	(16207)	2000 CV ₄₀	2000 02 01	703	CSS
(16156)	2000 AP ₃₉	2000 01 03	704	LINEAR	(16208)	2000 CL ₅₂	2000 02 02	704	LINEAR
(16157)	2000 AS ₅₀	2000 01 05	678	Juels, C. W.	(16209)	2000 CB ₅₆	2000 02 04	704	LINEAR
(16158)	2000 AV ₅₀	2000 01 05	678	Juels, C. W.	(16210)	2000 CY ₆₁	2000 02 02	704	LINEAR
(16159)	2000 AK ₆₂	2000 01 04	704	LINEAR	(16211)	2000 CL ₈₃	2000 02 04	704	LINEAR
(16160)	2000 AZ ₆₆	2000 01 04	704	LINEAR	(16212)	2000 CB ₈₄	2000 02 04	704	LINEAR
(16161)	2000 AC ₆₈	2000 01 04	704	LINEAR	(16213)	2000 CG ₈₅	2000 02 04	704	LINEAR
(16162)	2000 AD ₆₈	2000 01 04	704	LINEAR	(16214)	2000 CM ₈₇	2000 02 04	704	LINEAR
(16163)	2000 AD ₆₉	2000 01 05	704	LINEAR	(16215)	2000 CB ₁₀₄	2000 02 11	704	LINEAR
(16164)	2000 AO ₆₉	2000 01 05	704	LINEAR	(16216)	2000 DR ₄	2000 02 28	704	LINEAR
(16165)	2000 AW ₈₃	2000 01 05	704	LINEAR	(16217)	2000 DR ₁₃	2000 02 28	691	Spacewatch
(16166)	2000 AQ ₈₄	2000 01 05	704	LINEAR	(16218)	2000 DV ₁₄	2000 02 26	703	CSS
(16167)	2000 AJ ₈₉	2000 01 05	704	LINEAR	(16219)	2000 DL ₂₉	2000 02 29	704	LINEAR
(16168)	2000 AR ₉₁	2000 01 05	704	LINEAR	(16220)	2000 DB ₄₀	2000 02 29	704	LINEAR
(16169)	2000 AO ₉₅	2000 01 04	704	LINEAR	(16221)	2000 DX ₄₈	2000 02 29	704	LINEAR
(16170)	2000 AS ₉₅	2000 01 04	704	LINEAR	(16222)	2000 DK ₅₅	2000 02 29	704	LINEAR
(16171)	2000 AD ₉₇	2000 01 04	704	LINEAR	(16223)	2000 DR ₆₉	2000 02 29	704	LINEAR
(16172)	2000 AZ ₉₇	2000 01 04	704	LINEAR	(16224)	2000 DU ₆₉	2000 02 29	704	LINEAR
(16173)	2000 AC ₉₈	2000 01 04	704	LINEAR	(16225)	2000 DF ₇₁	2000 02 29	704	LINEAR
(16174)	2000 AX ₁₁₆	2000 01 05	704	LINEAR	(16226)	2000 DT ₇₂	2000 02 29	704	LINEAR
(16175)	2000 AL ₁₁₈	2000 01 05	704	LINEAR	(16227)	2000 DY ₇₃	2000 02 29	704	LINEAR
(16176)	2000 AZ ₁₂₆	2000 01 05	704	LINEAR	(16228)	2000 EC ₃₉	2000 03 08	704	LINEAR
(16177)	2000 AR ₁₂₇	2000 01 05	704	LINEAR	(16229)	2000 EM ₄₆	2000 03 09	704	LINEAR
(16178)	2000 AT ₁₂₇	2000 01 05	704	LINEAR	(16230)	2000 EA ₉₅	2000 03 09	704	LINEAR
(16179)	2000 AL ₁₃₄	2000 01 04	704	LINEAR	(16231)	2000 ES ₁₃₀	2000 03 11	699	LONEOS
(16180)	2000 AZ ₁₃₆	2000 01 04	704	LINEAR	(16232)	2000 ED ₁₅₂	2000 03 06	608	JPL/NEAT
(16181)	2000 AC ₁₃₇	2000 01 04	704	LINEAR	(16233)	2000 FA ₁₂	2000 03 31	704	LINEAR
(16182)	2000 AH ₁₃₇	2000 01 04	704	LINEAR	(16234)	2000 FR ₂₀	2000 03 29	704	LINEAR
(16183)	2000 AX ₁₃₈	2000 01 05	704	LINEAR	(16235)	2000 FF ₄₆	2000 03 29	704	LINEAR
(16184)	2000 AD ₁₄₂	2000 01 05	704	LINEAR	(16236)	2000 GG ₅₁	2000 04 05	704	LINEAR
(16185)	2000 AH ₁₆₄	2000 01 05	704	LINEAR	(16237)	2000 GX ₇₆	2000 04 05	704	LINEAR
(16186)	2000 AK ₁₆₄	2000 01 05	704	LINEAR	(16238)	2000 GY ₁₀₄	2000 04 07	704	LINEAR
(16187)	2000 AP ₁₆₄	2000 01 05	704	LINEAR	(16239)	2000 GY ₁₀₅	2000 04 07	704	LINEAR
(16188)	2000 AH ₁₇₅	2000 01 07	704	LINEAR	(16240)	2000 GJ ₁₁₅	2000 04 08	704	LINEAR
(16189)	2000 AT ₁₈₇	2000 01 08	704	LINEAR	(16241)	2000 GD ₁₂₆	2000 04 07	704	LINEAR
(16190)	2000 AK ₁₉₁	2000 01 08	704	LINEAR	(16242)	2000 GT ₁₂₆	2000 04 07	704	LINEAR
(16191)	2000 AO ₂₀₅	2000 01 10	732	Roe, J.	(16243)	2000 GO ₁₄₇	2000 04 04	699	LONEOS
(16192)	2000 AU ₂₀₇	2000 01 04	691	Spacewatch	(16244)	2000 GQ ₁₄₇	2000 04 04	699	LONEOS
(16193)	2000 AV ₂₀₇	2000 01 04	691	Spacewatch	(16245)	2000 GM ₁₆₀	2000 04 07	704	LINEAR
(16194)	2000 AJ ₂₃₁	2000 01 04	699	LONEOS	(16246)	2000 HO ₃	2000 04 27	684	Comba, P. G.
(16195)	2000 AQ ₂₃₆	2000 01 05	704	LINEAR	(16247)	2000 HY ₁₁	2000 04 28	704	LINEAR
(16196)	2000 AR ₂₃₆	2000 01 05	704	LINEAR	(16248)	2000 HT ₁₃	2000 04 28	704	LINEAR
(16197)	2000 AA ₂₄₃	2000 01 07	699	LONEOS	(16249)	2000 HT ₁₄	2000 04 29	684	Comba, P. G.
(16198)	2000 AB ₂₄₃	2000 01 07	699	LONEOS	(16250)	2000 HP ₂₆	2000 04 26	699	LONEOS
(16199)	2000 BX ₂₆	2000 01 30	704	LINEAR	(16251)	2000 HX ₄₈	2000 04 29	704	LINEAR
(16200)	2000 BT ₂₈	2000 01 30	704	LINEAR	(16252)	2000 HQ ₅₁	2000 04 29	704	LINEAR
(16201)	2000 CK ₁	2000 02 04	120	Korlević, K.	(16253)	2000 HJ ₅₂	2000 04 29	704	LINEAR
(16202)	2000 CE ₂₈	2000 02 02	704	LINEAR	(16254)	2000 HZ ₅₃	2000 04 29	704	LINEAR
(16203)	2000 CH ₃₂	2000 02 02	704	LINEAR	(16255)	2000 HX ₆₃	2000 04 26	699	LONEOS
(16204)	2000 CT ₃₃	2000 02 04	120	Korlević, K.	(16256)	2000 JM ₂	2000 05 03	704	LINEAR
(16205)	2000 CC ₃₄	2000 02 04	120	Korlević, K.	(16257)	2000 JY ₆	2000 05 04	704	LINEAR

(16258)	2000 JP ₁₃	2000 05 06	704	LINEAR
(16259)	2000 JR ₁₃	2000 05 06	704	LINEAR
(16260)	2000 JO ₁₅	2000 05 09	428	Broughton, J.
(16261)	2000 JF ₁₈	2000 05 04	358	Nanyo
(16262)	2000 JR ₃₂	2000 05 07	704	LINEAR
(16263)	2000 JV ₃₇	2000 05 07	704	LINEAR
(16264)	2000 JH ₄₀	2000 05 07	704	LINEAR
(16265)	2000 JL ₄₃	2000 05 07	704	LINEAR
(16266)	2000 JX ₄₃	2000 05 07	704	LINEAR
(16267)	2000 JY ₄₃	2000 05 07	704	LINEAR
(16268)	2000 JD ₄₄	2000 05 07	704	LINEAR
(16269)	2000 JP ₄₄	2000 05 07	704	LINEAR
(16270)	2000 JH ₄₈	2000 05 09	704	LINEAR
(16271)	2000 JC ₅₅	2000 05 06	704	LINEAR
(16272)	2000 JS ₅₅	2000 05 06	704	LINEAR
(16273)	2000 JS ₅₆	2000 05 06	704	LINEAR
(16274)	2000 JX ₅₆	2000 05 06	704	LINEAR
(16275)	2000 JP ₅₈	2000 05 06	704	LINEAR
(16276)	2000 JX ₆₁	2000 05 07	704	LINEAR
(16277)	2000 JW ₇₄	2000 05 04	691	Spacewatch
(16278)	2000 JM ₇₇	2000 05 07	704	LINEAR
(16279)	2000 KJ ₂₃	2000 05 28	704	LINEAR
(16280)	2000 LS ₆	2000 06 01	699	LONEOS
(16281)	2071 P-L	1960 09 24	675	van Houten & Gehrels
(16282)	2512 P-L	1960 09 24	675	van Houten & Gehrels
(16283)	2545 P-L	1960 09 24	675	van Houten & Gehrels
(16284)	2861 P-L	1960 09 24	675	van Houten & Gehrels
(16285)	3047 P-L	1960 09 24	675	van Houten & Gehrels
(16286)	4057 P-L	1960 09 24	675	van Houten & Gehrels
(16287)	4096 P-L	1960 09 24	675	van Houten & Gehrels
(16288)	4169 P-L	1960 09 24	675	van Houten & Gehrels
(16289)	4201 P-L	1960 09 24	675	van Houten & Gehrels
(16290)	4204 P-L	1960 09 24	675	van Houten & Gehrels
(16291)	4315 P-L	1960 09 24	675	van Houten & Gehrels
(16292)	4557 P-L	1960 09 24	675	van Houten & Gehrels
(16293)	4613 P-L	1960 09 24	675	van Houten & Gehrels
(16294)	4758 P-L	1960 09 24	675	van Houten & Gehrels
(16295)	4820 P-L	1960 09 24	675	van Houten & Gehrels
(16296)	6308 P-L	1960 09 24	675	van Houten & Gehrels
(16297)	6346 P-L	1960 09 24	675	van Houten & Gehrels
(16298)	6529 P-L	1960 09 24	675	van Houten & Gehrels
(16299)	6566 P-L	1960 09 24	675	van Houten & Gehrels
(16300)	6569 P-L	1960 09 24	675	van Houten & Gehrels
(16301)	6576 P-L	1960 09 24	675	van Houten & Gehrels
(16302)	6634 P-L	1960 09 24	675	van Houten & Gehrels
(16303)	6639 P-L	1960 09 24	675	van Houten & Gehrels
(16304)	6704 P-L	1960 09 24	675	van Houten & Gehrels
(16305)	6707 P-L	1960 09 24	675	van Houten & Gehrels
(16306)	6797 P-L	1960 09 24	675	van Houten & Gehrels
(16307)	7569 P-L	1960 10 17	675	van Houten & Gehrels
(16308)	7627 P-L	1960 10 22	675	van Houten & Gehrels
(16309)	9054 P-L	1960 10 17	675	van Houten & Gehrels

(16310)	1043 T-1	1971 03 25	675	van Houten & Gehrels
(16311)	1102 T-1	1971 03 25	675	van Houten & Gehrels
(16312)	1122 T-1	1971 03 25	675	van Houten & Gehrels
(16313)	1199 T-1	1971 03 25	675	van Houten & Gehrels
(16314)	1248 T-1	1971 03 25	675	van Houten & Gehrels
(16315)	2055 T-1	1971 03 25	675	van Houten & Gehrels
(16316)	2089 T-1	1971 03 25	675	van Houten & Gehrels
(16317)	2127 T-1	1971 03 25	675	van Houten & Gehrels
(16318)	2128 T-1	1971 03 25	675	van Houten & Gehrels
(16319)	3252 T-1	1971 03 26	675	van Houten & Gehrels
(16320)	4078 T-1	1971 03 26	675	van Houten & Gehrels
(16321)	4225 T-1	1971 03 26	675	van Houten & Gehrels
(16322)	4409 T-1	1971 03 26	675	van Houten & Gehrels
(16323)	1107 T-2	1973 09 29	675	van Houten & Gehrels
(16324)	1181 T-2	1973 09 29	675	van Houten & Gehrels
(16325)	1332 T-2	1973 09 29	675	van Houten & Gehrels
(16326)	2052 T-2	1973 09 29	675	van Houten & Gehrels
(16327)	3092 T-2	1973 09 30	675	van Houten & Gehrels
(16328)	3111 T-2	1973 09 30	675	van Houten & Gehrels
(16329)	3255 T-2	1973 09 30	675	van Houten & Gehrels
(16330)	3276 T-2	1973 09 30	675	van Houten & Gehrels
(16331)	4101 T-2	1973 09 29	675	van Houten & Gehrels
(16332)	4117 T-2	1973 09 29	675	van Houten & Gehrels
(16333)	4122 T-2	1973 09 29	675	van Houten & Gehrels
(16334)	4278 T-2	1973 09 29	675	van Houten & Gehrels
(16335)	5058 T-2	1973 09 25	675	van Houten & Gehrels
(16336)	5080 T-2	1973 09 25	675	van Houten & Gehrels
(16337)	5087 T-2	1973 09 25	675	van Houten & Gehrels
(16338)	1106 T-3	1977 10 17	675	van Houten & Gehrels
(16339)	2053 T-3	1977 10 16	675	van Houten & Gehrels
(16340)	2110 T-3	1977 10 16	675	van Houten & Gehrels
(16341)	2182 T-3	1977 10 16	675	van Houten & Gehrels
(16342)	2271 T-3	1977 10 16	675	van Houten & Gehrels
(16343)	2326 T-3	1977 10 16	675	van Houten & Gehrels
(16344)	2370 T-3	1977 10 16	675	van Houten & Gehrels
(16345)	2391 T-3	1977 10 16	675	van Houten & Gehrels
(16346)	2682 T-3	1977 10 11	675	van Houten & Gehrels
(16347)	3256 T-3	1977 10 16	675	van Houten & Gehrels
(16348)	3465 T-3	1977 10 16	675	van Houten & Gehrels
(16349)	4062 T-3	1977 10 16	675	van Houten & Gehrels

Orbital elements for the newly-numbered objects listed above at the current 200-day standard epoch (2000 Sept. 13.0 TT):

Object	H	M	ω	Ω	i	e	a	MPO
(15669)	14.9	335.01294	328.58576	356.92591	2.76916	0.2033670	2.4281482	1671
(15670)	14.2	175.56822	343.69878	145.29976	2.37965	0.0446217	3.0047462	1671
(15671)	12.5	340.95100	21.79099	185.68091	7.17668	0.1128481	3.9409282	1671
(15672)	15.1	91.23272	152.63117	4.98930	2.27847	0.1378721	2.4257829	1672
(15673)	14.1	267.94951	4.73069	319.35102	5.37274	0.2682224	2.2069944	1672
(15674)	14.7	252.31012	325.01898	171.84304	6.16235	0.0493963	2.3454584	1672
(15675)	13.2	268.64163	196.01175	186.49877	3.94213	0.1089264	2.7746977	1672
(15676)	13.3	314.99518	59.42323	322.93307	4.83721	0.3222241	3.1629487	1673

(15677)	12.2	55.55481	0.42023	13.25916	13.33490	0.1542379	2.8473196	1673	(15729)	14.8	284.48848	141.24564	285.22961	3.20238	0.1689864	2.2849775	1686
(15678)	14.7	84.72101	338.16203	262.71406	6.62243	0.0836032	2.3586323	1673	(15730)	12.4	51.18332	220.40080	236.76338	12.08145	0.1272053	2.6722029	1686
(15679)	14.0	67.85421	11.11386	234.91457	11.47118	0.0941130	2.7216645	1673	(15731)	13.4	338.02332	232.05186	83.35912	7.13692	0.1213735	3.1837144	1687
(15680)	14.6	318.59863	67.42491	255.10700	4.27586	0.0506207	2.7464403	1674	(15732)	12.6	24.10751	176.67450	122.78560	10.41722	0.0565889	3.1654218	1687
(15681)	14.8	305.37829	85.32127	257.87419	2.03739	0.0978090	2.7349966	1674	(15733)	14.6	253.51210	298.26613	133.00316	7.54863	0.0827832	2.3481327	1687
(15682)	13.7	162.07383	136.31092	178.86499	11.57606	0.2386651	2.9831052	1674	(15734)	15.1	189.12906	3.80234	131.79330	5.27900	0.0443193	2.3459197	1687
(15683)	15.7	1.27824	129.79988	179.94589	4.08237	0.1129341	2.3718669	1674	(15735)	13.4	329.61647	247.69903	95.99645	10.50818	0.0668108	3.1762483	1688
(15684)	14.8	15.67119	144.10964	153.55090	2.81829	0.0873150	2.7210727	1675	(15736)	13.8	164.18041	17.48593	86.46646	6.33858	0.1588325	2.4661108	1688
(15685)	15.1	346.10374	105.70254	234.18662	5.69406	0.1350793	2.3545785	1675	(15737)	12.7	2.96037	50.41691	128.65915	13.92877	0.1576618	2.7653411	1688
(15686)	15.1	323.98036	104.52545	252.58204	2.70027	0.1135317	2.6981786	1675	(15738)	13.1	314.85197	332.90671	147.93718	10.78410	0.0381424	3.0570135	1689
(15687)	14.7	311.54907	145.68443	198.09250	6.57523	0.1307503	2.3823306	1675	(15739)	14.2	170.62209	330.21096	165.40278	8.02385	0.0800887	2.5145087	1689
(15688)	12.7	231.66134	282.18403	60.04139	13.91768	0.2046584	2.5918845	1675	(15740)	13.3	149.00557	313.59618	177.18602	14.89709	0.1290405	2.5799996	1689
(15689)	12.9	78.95657	1.36567	201.52025	7.72221	0.1946382	2.5421592	1676	(15741)	15.5	8.37463	223.12274	246.80044	2.22349	0.0872318	2.2512791	1689
(15690)	14.3	274.35077	308.30333	80.95298	7.58428	0.1104184	2.3234548	1676	(15742)	14.2	33.23318	16.36298	239.32179	14.22216	0.0326438	2.6886064	1690
(15691)	14.9	348.56238	29.39744	332.94441	3.13586	0.2435581	2.3649966	1676	(15743)	13.7	2.32784	160.36122	155.27477	2.78797	0.0464600	2.7051224	1690
(15692)	14.8	299.03438	273.06355	142.69743	23.21593	0.1018837	1.9260825	1676	(15744)	14.0	330.98144	81.22106	289.98347	4.16387	0.1296322	2.7087848	1690
(15693)	13.2	130.96012	128.80289	61.94195	3.29894	0.0880320	2.5610730	1677	(15745)	17.8	38.40891	140.27154	132.74919	14.41697	0.2550757	1.7194471	1690
(15694)	13.1	348.30334	145.33529	170.47012	10.93496	0.0914868	3.0016389	1677	(15746)	14.3	304.23853	213.08552	175.33284	1.95225	0.2314559	2.7656950	1691
(15695)	14.7	322.46288	337.77936	52.66399	2.83307	0.2488567	2.4268498	1677	(15747)	13.7	300.56409	186.92257	199.08653	3.99673	0.0799789	2.7917548	1691
(15696)	14.8	130.33207	83.90677	111.76759	4.57279	0.0141437	2.3206854	1678	(15748)	13.2	10.45094	223.11516	92.09593	9.13056	0.2162904	2.7990127	1691
(15697)	13.3	340.45218	193.90544	113.35233	4.27792	0.1416231	2.8738023	1678	(15749)	14.3	274.49660	144.05684	262.46929	2.94876	0.1161677	2.1853340	1692
(15698)	13.2	204.01783	201.57616	120.87179	1.86012	0.1753596	3.1208238	1678	(15750)	13.0	283.56748	278.18321	42.60640	7.02657	0.1486411	2.2866947	1692
(15699)	14.9	320.24376	324.65965	43.13636	4.11379	0.2230375	2.3555962	1678	(15751)	12.1	278.79426	279.32726	93.34617	11.64920	0.1039428	3.0075987	1692
(15700)	14.4	11.40254	119.17613	175.68790	26.75665	0.3153866	2.2091059	1679	(15752)	13.3	261.51514	235.21721	145.57360	10.87950	0.2209207	3.1681285	1693
(15701)	13.7	158.10064	347.71481	348.78353	1.22936	0.1859159	2.4355700	1679	(15753)	13.3	7.72302	104.91713	215.74748	4.39361	0.1060642	3.2391693	1693
(15702)	13.5	279.55416	115.23305	288.43010	7.96433	0.1369768	2.7353930	1679	(15754)	13.8	60.73824	178.62392	70.20698	5.85203	0.1951414	2.3772615	1693
(15703)	14.7	331.53872	122.44657	254.72499	6.02247	0.1332339	2.2091279	1680	(15755)	14.4	333.22353	234.54064	124.77245	6.82682	0.1501348	3.1800642	1693
(15704)	15.1	338.29995	53.85523	297.31975	4.82651	0.1910867	2.2197606	1680	(15756)	13.8	8.72994	158.78932	154.22732	6.41661	0.1431993	2.3059886	1694
(15705)	14.2	94.87626	271.00917	270.05039	6.96844	0.0864857	2.4166124	1680	(15757)	13.9	127.83656	317.02688	179.21698	5.86490	0.0921494	2.3982111	1694
(15706)	14.0	338.70117	58.09016	307.67515	6.45307	0.1491195	2.2815485	1680	(15758)	14.0	109.99438	194.08392	353.40988	4.94614	0.1688707	2.3792286	1694
(15707)	14.1	17.50960	279.64136	336.81020	11.19113	0.2585654	2.5858576	1681	(15759)	14.5	347.09414	127.42263	213.02682	5.70748	0.1349198	2.3869941	1694
(15708)	14.5	350.71670	344.76170	350.87298	5.40407	0.2513085	2.5452493	1681	(15760)	7.2	5.46103	5.45318	359.42176	2.18627	0.0755369	44.2462821	1695
(15709)	12.7	333.03693	247.97690	78.58364	13.95697	0.1881367	2.6756247	1681	(15761)	13.4	195.91184	307.79534	182.58219	10.47804	0.0580776	2.6087761	1695
(15710)	13.9	15.83720	172.41753	116.43312	6.99651	0.1874926	2.2422108	1681	(15762)	14.1	5.08398	57.04046	273.09593	4.19330	0.2162878	2.5435445	1695
(15711)	15.3	18.46416	46.94052	253.97610	2.04790	0.0573686	2.2880862	1682	(15763)	13.3	241.91023	353.67634	77.05826	9.74136	0.0741048	2.7285914	1696
(15712)	13.0	16.22130	313.36417	350.28841	11.10148	0.2117684	3.1745403	1682	(15764)	13.6	298.32666	139.35339	262.30476	11.86346	0.2031672	2.6504728	1696
(15713)	13.7	36.81848	249.14176	109.09241	2.51711	0.1327995	3.0486834	1682	(15765)	14.5	326.79003	165.08288	231.36359	5.22607	0.3441741	2.5881449	1696
(15714)	14.2	232.22431	87.84362	322.56899	1.42346	0.1506000	2.5259610	1682	(15766)	12.8	260.90935	54.65777	299.16502	5.14559	0.0483601	3.1642174	1696
(15715)	14.6	243.27470	184.90438	213.76588	4.80521	0.2851144	2.5505776	1683	(15767)	13.6	327.08466	218.24149	141.81910	6.32080	0.1509344	3.0577756	1697
(15716)	13.0	157.51239	302.83324	75.49761	15.21543	0.1899934	2.7758738	1683	(15768)	15.8	353.10335	181.13507	130.76592	4.28348	0.2041297	2.2117052	1697
(15717)	13.4	216.40262	258.72197	177.33573	12.89235	0.1599550	2.6196027	1683	(15769)	15.0	103.83349	110.98302	308.12909	1.93120	0.1597738	2.4450566	1697
(15718)	13.3	198.48570	189.07071	305.27733	11.13610	0.1095817	2.5923791	1683	(15770)	13.2	309.53027	79.59172	290.85002	3.81411	0.1721154	3.0869262	1697
(15719)	13.4	213.15011	350.03056	114.10906	14.30637	0.1040175	2.6142307	1684	(15771)	13.4	335.93953	287.17381	55.08530	2.19351	0.1765489	3.1743821	1697
(15720)	13.7	48.21433	348.21659	231.08691	7.40593	0.1508494	2.8074050	1684	(15772)	12.5	12.24503	167.02018	136.14344	2.69062	0.1487699	3.2090737	1698
(15721)	14.1	359.34169	86.27518	208.58933	6.31031	0.1290111	2.2669048	1684	(15773)	14.8	245.11420	347.34533	168.11239	3.56282	0.0333601	2.8122773	1698
(15722)	13.1	5.48941	133.92165	177.81831	10.37426	0.1004364	3.0025998	1684	(15774)	13.4	55.55888	106.17342	152.61972	4.36590	0.0491898	3.1484343	1698
(15723)	14.3	333.83823	7.78129	359.34983	1.43115	0.1321941	2.2739665	1685	(15775)	15.0	17.48263	332.44953	336.25718	0.65548	0.1971156	2.1713522	1698
(15724)	14.4	245.97265	219.98413	211.77323	5.40705	0.1019671	2.3321550	1685	(15776)	13.9	88.25953	25.18895	198.75619	5.73501	0.1187919	2.2211490	1699
(15725)	13.5	15.04705	88.30956	213.18244	8.22379	0.1442246	2.9767356	1685	(15777)	12.6	253.47508	183.42501	119.55256	15.58811	0.1096235	2.5531597	1699
(15726)	14.6	324.99687	84.06518	295.75449	3.75884	0.1850822	2.2503934	1685	(15778)	15.2	352.84940	80.99517	245.99616	22.26528	0.3110037	2.3050215	1699
(15727)	15.1	298.08818	126.68208	277.19415	3.23271	0.1368049	2.2827602	1686	(15779)	12.6	356.61854	59.76391	283.17192	23.20537	0.2415116	2.3251785	1700
(15728)	14.9	35.53933	349.99826	277.87076	2.49093	0.0822269	2.3080800	1686	(15780)	15.6	300.06247	62.84260	299.40272	1.38885	0.2173901	2.3737243	1700

(15781)	14.4	270.68845	117.99841	297.81821	5.85232	0.0955407	2.3023432	1700	(15833)	13.7	82.84546	52.85262	132.65904	13.41833	0.1513856	2.6342648	1714
(15782)	15.6	92.43199	105.07951	107.34526	3.24242	0.0639002	2.3025660	1700	(15834)	14.3	44.75965	300.63567	270.43767	32.30570	0.2589769	2.7798234	1714
(15783)	12.2	313.22744	120.28136	220.89971	4.85298	0.2634695	3.9388439	1700	(15835)	14.2	31.28481	82.27693	194.21399	2.29610	0.1403055	2.5531033	1714
(15784)	13.2	325.37275	182.91032	164.10274	21.84555	0.1576423	2.3693362	1701	(15836)	8.1	32.15311	333.49614	127.47248	6.55127	0.0774983	36.4726718	1714
(15785)	13.3	9.60010	282.22817	156.78268	14.18541	0.0682290	3.1409526	1701	(15837)	14.2	328.64887	55.85532	157.39440	1.41006	0.1099699	3.0846001	1715
(15786)	14.1	220.98521	45.65717	351.61249	22.48240	0.0474812	1.8834669	1701	(15838)	14.0	226.67558	334.45465	12.35032	1.74017	0.0992426	2.9912662	1715
(15787)	15.2	11.99027	340.21570	290.04323	1.22125	0.1685239	2.4467248	1701	(15839)	14.3	287.29424	170.89054	136.92629	2.18091	0.1584643	3.1041209	1715
(15788)	7.7	328.47753	78.34203	354.86299	1.93806	0.3256055	39.7266430	1702	(15840)	13.8	0.49031	186.39740	124.36675	10.26786	0.1448327	2.7872287	1715
(15789)	6.9	41.43596	318.89175	354.65056	5.15325	0.1875770	39.7892986	1702	(15841)	14.5	30.21200	299.29500	284.80133	20.31583	0.3260656	3.1382779	1716
(15790)	13.8	2.99526	293.33954	23.81663	22.87289	0.3153476	2.3607819	1702	(15842)	14.5	137.86300	280.52652	42.09379	3.50732	0.1928301	2.4235884	1716
(15791)	14.3	296.60290	340.27974	77.26062	3.35237	0.2013882	2.3801926	1703	(15843)	13.0	50.08141	324.39457	298.51254	11.94172	0.1789187	2.9157809	1716
(15792)	15.6	205.57597	215.59422	153.94944	2.42260	0.2004512	2.7068020	1703	(15844)	12.5	22.88610	333.97731	318.59210	10.63167	0.1750227	3.0488596	1717
(15793)	15.1	34.71697	219.58205	49.71541	4.26655	0.1882321	2.4097045	1703	(15845)	14.9	157.41668	305.08768	64.27667	7.59466	0.1329454	2.3416569	1717
(15794)	14.3	71.11315	170.91541	69.48051	3.79344	0.1431485	2.4303202	1703	(15846)	14.3	134.85358	293.68693	40.49575	5.70371	0.1434038	2.4450223	1717
(15795)	14.5	192.48978	270.59838	161.92930	7.78233	0.1474504	2.6228784	1703	(15847)	15.0	77.78506	255.39118	216.32990	3.12069	0.1922169	2.3519093	1718
(15796)	14.2	13.79592	149.29261	144.94117	6.85947	0.1254181	2.4369093	1704	(15848)	12.2	307.50955	282.35643	132.11120	25.96002	0.2978615	3.1478045	1718
(15797)	13.4	342.74766	98.94853	256.32915	5.32416	0.1499227	2.3992718	1704	(15849)	14.5	184.89150	106.95247	163.02043	2.37437	0.0710199	2.9525860	1718
(15798)	14.6	321.27087	347.74907	29.75990	1.74687	0.1978647	2.4229284	1704	(15850)	12.7	243.09182	256.62957	291.55263	15.09695	0.0460462	3.1105727	1718
(15799)	12.9	125.43239	280.20433	268.49318	12.16808	0.1251133	2.6469106	1705	(15851)	13.3	283.77021	303.48436	293.23534	12.18140	0.1429635	2.6796083	1719
(15800)	13.1	223.47916	206.40287	267.80968	12.28573	0.1147779	2.5441382	1705	(15852)	13.8	64.93132	126.12605	104.15013	5.62934	0.1098990	2.2109758	1719
(15801)	14.5	306.68402	165.59450	240.56396	3.46804	0.1875265	2.4542282	1705	(15853)	14.3	113.25848	14.44824	120.01111	5.31860	0.1014345	2.2446538	1719
(15802)	13.8	285.38886	107.35296	253.26682	4.76560	0.0731276	2.7347651	1705	(15854)	15.1	30.20881	11.31708	245.52833	5.80201	0.0982793	2.2245270	1719
(15803)	12.7	294.49760	218.69596	158.62974	14.39523	0.1844245	2.5896604	1706	(15855)	16.0	44.98814	105.95808	127.07631	4.39929	0.0923387	2.2829625	1720
(15804)	13.4	262.00966	297.27809	116.83754	6.27748	0.0500614	2.7387023	1706	(15856)	13.3	45.91248	262.49141	328.08586	7.86306	0.2072085	2.3702955	1720
(15805)	13.6	261.84647	238.19449	40.38611	5.52001	0.1978608	2.2702089	1706	(15857)	14.1	80.45879	8.02161	207.35121	2.58645	0.1253919	2.2720167	1720
(15806)	12.6	111.85350	44.96517	129.18120	10.32520	0.1224004	3.0147051	1706	(15858)	15.6	13.86271	178.57893	127.95320	2.03196	0.1531837	2.1755492	1720
(15807)	7.4	57.66984	301.26389	176.85181	0.05620	0.0620167	43.6222733	1707	(15859)	15.4	354.01968	135.08555	201.36669	4.56891	0.1316561	2.2667762	1721
(15808)	13.8	78.78387	114.23901	107.31155	1.32027	0.0845264	2.8858826	1707	(15860)	15.4	221.75342	298.51191	123.46313	7.88884	0.0943033	2.3763400	1721
(15809)	7.8	329.13217	238.40519	56.36094	14.08266	0.2135005	41.9495052	1707	(15861)	12.9	250.01295	247.99080	41.31505	13.64257	0.1403996	2.9873064	1721
(15810)	7.7	6.48768	102.39945	144.78651	3.80265	0.1121370	39.1365851	1707	(15862)	14.8	29.90634	85.58427	139.27015	1.11398	0.0383707	2.5205559	1721
(15811)	12.6	18.30628	68.80344	227.17328	9.61619	0.1762389	3.1915248	1707	(15863)	13.9	113.67356	255.43480	161.53348	2.21250	0.0782266	2.9416819	1722
(15812)	15.1	17.12830	139.27939	149.78828	3.10965	0.1646656	2.1347821	1708	(15864)	15.1	292.12981	266.76520	139.31471	1.10345	0.1474469	2.2276018	1722
(15813)	14.6	20.15484	268.31201	260.67025	1.48514	0.1343510	2.4267416	1708	(15865)	13.9	330.98661	285.55778	75.55683	6.32505	0.2113815	2.3168619	1722
(15814)	15.8	142.07190	179.68701	199.26353	1.70981	0.1663420	2.5569977	1708	(15866)	14.6	218.38244	280.05967	192.62143	2.90668	0.0539842	2.2652117	1723
(15815)	14.7	247.88253	9.71147	331.30400	11.17132	0.2737118	2.3372530	1709	(15867)	13.8	348.62666	50.09254	177.32560	0.76581	0.1302735	3.1501735	1723
(15816)	14.8	299.24633	330.28197	275.31457	1.30664	0.1824962	2.3788077	1709	(15868)	15.1	77.51000	230.39023	96.88135	4.53402	0.1649093	2.2550389	1723
(15817)	18.6	50.97962	94.19756	162.58246	13.87059	0.1181474	1.3245274	1709	(15869)	14.7	21.05377	61.59278	220.08903	12.15165	0.1869189	2.6292976	1724
(15818)	16.6	90.64714	233.49251	275.14236	0.78490	0.0686954	2.3618355	1710	(15870)	14.5	5.11571	85.07901	209.22770	11.38854	0.1699977	2.6365058	1724
(15819)	14.2	359.19238	119.03467	182.11508	6.82725	0.1133158	2.1854582	1710	(15871)	13.0	282.31270	85.19495	312.42893	12.17593	0.1752937	2.6951326	1724
(15820)	7.1	334.00416	98.51625	317.42509	12.13765	0.3230449	39.8462722	1710	(15872)	14.8	75.13970	101.23013	142.37372	2.46242	0.0907747	2.6373626	1724
(15821)	14.3	267.89099	312.83673	120.43151	3.28675	0.0384002	2.1416976	1711	(15873)	14.1	299.82110	7.41071	21.47345	2.75354	0.0809275	2.7166968	1725
(15822)	13.5	86.56246	149.96846	190.96292	22.02094	0.0800002	1.9482289	1711	(15874)	5.4	359.64555	184.67400	217.76398	23.92180	0.5894190	85.3275240	1725
(15823)	15.1	314.87885	172.86542	204.61427	1.59088	0.1566531	2.1722994	1711	(15875)	6.8	0.43358	75.39827	316.82286	5.69069	0.3384965	39.8649207	1725
(15824)	14.2	159.15788	36.80046	65.71499	15.93082	0.0838972	2.4446395	1711	(15876)	13.8	19.44940	174.45794	134.76995	2.85753	0.0604042	2.8494044	1726
(15825)	15.2	100.29669	228.32678	258.32342	2.72760	0.0895193	2.5260574	1712	(15877)	12.0	183.28288	347.26162	99.32409	10.60527	0.0896722	3.2263632	1726
(15826)	15.4	313.97046	272.71877	107.48634	3.88481	0.1650691	2.2491374	1712	(15878)	12.7	345.78338	225.19529	109.10929	11.55038	0.1609599	3.1814186	1726
(15827)	14.0	86.70790	307.43608	211.09499	10.04413	0.3208962	2.6975952	1712	(15879)	13.9	342.79023	244.90245	109.83237	3.20599	0.1071801	2.8993040	1726
(15828)	14.3	154.60505	40.38642	132.50916	7.41023	0.0596756	2.3830741	1712	(15880)	15.5	339.45575	209.20359	328.56949	3.46742	0.0923124	2.2901831	1727
(15829)	14.1	184.53958	295.65746	118.11781	14.49256	0.1737457	2.5920752	1713	(15881)	14.8	329.95705	10.20144	157.81515	6.09753	0.0480363	2.3832622	1727
(15830)	15.4	151.56798	329.33562	131.32684	9.00854	0.2224025	2.5805336	1713	(15882)	14.5	10.68992	15.31733	170.13478	2.29952	0.1322593	2.2973472	1727
(15831)	13.1	350.13976	279.28250	281.32776	11.77755	0.0833874	2.8600214	1713	(15883)	7.2	50.04843	301.01754	127.16758	19.13988	0.2156767	47.1548308	1728
(15832)	14.2	270.27461	279.73298	103.49081	7.15042	0.1598993	2.4189978	1713	(15884)	14.5	306.16599	58.83738	130.65900	7.06165	0.0526331	2.3326748	1728

(15885)	14.9	68.03835	60.24582	43.37101	4.02126	0.0957311	2.2530485	1728	(15937)	14.8	313.90967	264.53291	126.33919	2.62518	0.2139543	2.4280717	1742
(15886)	14.6	303.27076	191.06436	48.76916	3.70780	0.1289386	2.3008582	1728	(15938)	13.5	178.24624	317.19016	251.50109	11.92264	0.2133726	2.4516850	1742
(15887)	14.0	56.72201	194.19283	167.39812	1.88404	0.2083821	3.0588961	1729	(15939)	12.5	74.04162	116.66023	107.16455	13.15922	0.1266702	3.1718941	1743
(15888)	15.5	338.47189	228.32310	303.93064	0.49852	0.1240244	2.4251656	1729	(15940)	13.7	358.29356	319.96408	359.17492	1.45968	0.0455088	2.9223283	1743
(15889)	15.4	129.97670	245.31220	180.96894	6.49309	0.0490560	2.2514654	1729	(15941)	13.1	11.59994	350.12912	294.82950	14.42859	0.1141509	3.0379762	1743
(15890)	16.4	54.38587	339.58275	201.74890	2.66550	0.0958875	2.1412317	1729	(15942)	14.0	295.12631	260.88823	149.99136	5.46806	0.1165714	2.4327442	1743
(15891)	15.7	231.47551	169.26259	181.50353	4.36875	0.1998803	2.3171914	1730	(15943)	13.7	81.59614	271.83124	326.90913	10.05397	0.0757852	3.0653096	1744
(15892)	15.5	146.76040	186.51841	232.34740	3.55731	0.1296201	2.1982956	1730	(15944)	13.0	179.01785	355.03290	140.95176	2.63189	0.1246541	3.1174286	1744
(15893)	15.0	339.90543	280.31830	231.69796	2.88516	0.1600873	2.5264897	1730	(15945)	13.2	315.82393	15.48485	340.51739	4.82658	0.1270525	3.1585840	1744
(15894)	15.0	236.75397	166.84641	161.63783	3.01646	0.1501541	2.4142991	1731	(15946)	14.7	341.00696	242.82759	98.89537	4.30238	0.0927502	2.6870535	1744
(15895)	14.9	299.07354	83.98282	211.66025	5.48622	0.1365667	2.2786818	1731	(15947)	14.8	291.22515	265.02407	141.78540	4.92332	0.1596487	2.5220513	1745
(15896)	15.5	330.87050	115.51388	139.46980	1.98049	0.1563029	2.4229855	1731	(15948)	13.3	2.01705	286.57964	39.91085	6.53403	0.0671571	2.7106018	1745
(15897)	15.7	306.02004	247.48825	144.13525	2.53887	0.0949264	2.1458486	1731	(15949)	14.0	242.13675	356.86599	106.16283	7.41271	0.1406881	2.2839865	1745
(15898)	13.3	17.15848	261.33379	328.07221	13.61693	0.0670439	2.5831350	1732	(15950)	14.3	337.70857	304.01281	48.16955	4.18474	0.1845206	2.5609746	1745
(15899)	15.3	7.94256	242.70307	67.02820	2.33069	0.0872188	2.1997015	1732	(15951)	12.3	40.18288	157.46130	102.37351	17.76739	0.1373990	3.1188371	1746
(15900)	14.2	305.89626	262.89626	85.12045	7.35466	0.1315870	2.3808975	1732	(15952)	13.3	53.56760	120.35035	127.44332	12.86232	0.0712340	3.1140530	1746
(15901)	13.8	77.08615	336.33760	172.28908	10.55042	0.1000933	3.0320173	1732	(15953)	13.0	325.82300	48.58546	327.35894	12.89574	0.1880962	2.6237395	1746
(15902)	14.8	316.72603	195.12197	179.32745	5.66915	0.0949681	2.2616648	1733	(15954)	13.7	37.46532	177.27686	106.98264	6.43737	0.0306721	2.7278825	1747
(15903)	13.5	311.80383	105.32020	158.20925	12.77699	0.1395616	2.6394229	1733	(15955)	13.7	177.44640	253.82181	257.43954	3.08059	0.0459556	2.7842762	1747
(15904)	14.4	181.31936	269.01431	242.33347	3.04482	0.0263902	2.1625954	1733	(15956)	13.8	56.49807	2.71482	279.02056	1.21649	0.0147751	2.8421359	1747
(15905)	14.3	295.37412	325.04237	19.05678	7.78176	0.1764922	2.5331223	1734	(15957)	14.2	332.11561	28.61904	311.51060	1.11486	0.1039697	2.9318374	1748
(15906)	15.4	311.58393	192.12893	188.95620	1.87432	0.1209412	2.2453680	1734	(15958)	14.7	287.00034	257.51030	167.81671	10.28247	0.2868596	2.6936135	1748
(15907)	15.7	28.21698	90.68197	205.68262	5.33457	0.1298965	2.2954336	1734	(15959)	13.9	343.47493	3.66865	340.46013	4.28821	0.0848296	2.7908971	1748
(15908)	14.3	135.67169	147.91130	309.96588	1.88571	0.0891118	3.0661837	1735	(15960)	12.8	275.91418	294.00790	106.47291	22.76763	0.0688595	2.6901413	1748
(15909)	14.1	37.40078	24.68496	257.77646	6.78465	0.1440771	2.2864001	1735	(15961)	13.8	9.75509	180.28290	140.93541	9.94978	0.1458166	2.7823880	1749
(15910)	14.4	52.04408	63.59841	207.15467	5.51172	0.1000321	2.2670911	1735	(15962)	14.5	256.47259	287.45863	137.36490	3.15312	0.1509209	2.4306376	1749
(15911)	16.8	354.14949	272.50617	15.65847	2.13978	0.2102321	2.4303462	1735	(15963)	13.2	314.19723	244.11352	151.00991	13.24624	0.1745035	2.6773341	1749
(15912)	14.3	314.97242	298.94859	46.05292	3.64679	0.1896650	2.4316489	1735	(15964)	15.2	60.90553	110.39380	309.68595	18.07927	0.0922256	1.9522144	1750
(15913)	12.2	52.30428	10.09027	49.10091	7.24996	0.0607163	5.2081028	1736	(15965)	12.7	239.04184	347.33941	90.86932	12.23414	0.0860784	2.9955966	1750
(15914)	13.7	276.72655	62.93309	349.06704	2.02596	0.2002063	2.3797895	1736	(15966)	13.2	243.98490	296.37318	133.38451	7.41118	0.1352100	3.1444348	1750
(15915)	14.4	309.80975	292.06154	37.42881	3.33448	0.0498779	2.6673798	1736	(15967)	12.5	323.81719	273.54247	123.66315	12.21058	0.2888055	2.6369968	1751
(15916)	14.2	126.51827	84.09222	103.92622	3.76272	0.0522826	2.3999483	1736	(15968)	13.3	99.94493	200.26469	23.72983	1.01498	0.1353684	3.2058135	1751
(15917)	13.6	186.04419	222.50404	226.25024	7.09387	0.1964173	2.7927631	1737	(15969)	12.5	350.18968	210.08936	132.57626	8.61755	0.0647358	3.1588996	1751
(15918)	14.6	326.34321	60.85590	301.34039	6.63954	0.1620933	2.2436034	1737	(15970)	15.8	123.48642	309.42987	53.38087	5.06037	0.1826865	2.1588762	1751
(15919)	14.8	330.57662	252.45028	106.66112	5.78399	0.2014639	2.2904221	1737	(15971)	15.3	147.06242	206.85733	145.40539	5.50352	0.1909533	2.2470003	1752
(15920)	13.8	0.23336	74.81558	262.58673	4.05542	0.2165712	2.2027838	1738	(15972)	13.4	243.60843	205.15153	236.79720	3.13023	0.1204367	3.0506470	1752
(15921)	15.5	24.11478	63.34703	231.52971	6.39897	0.1182991	2.3150630	1738	(15973)	13.5	193.43719	352.21884	146.26446	11.79174	0.0607324	3.0677098	1752
(15922)	15.7	330.01094	194.31415	172.94536	2.98425	0.1886376	2.2609770	1738	(15974)	12.8	275.63605	90.51703	333.13535	8.14697	0.1350597	3.0455770	1753
(15923)	13.3	24.48361	36.09370	237.17834	18.14325	0.1919547	2.5837125	1738	(15975)	13.6	288.91049	133.34193	272.89140	5.20529	0.1377233	3.2081769	1753
(15924)	14.4	289.65937	292.27253	75.22219	3.06045	0.2013349	2.4036246	1739	(15976)	13.2	306.16053	51.51858	340.40735	10.04346	0.1020100	2.9859429	1753
(15925)	13.0	269.41456	159.84617	284.56317	12.38571	0.1250116	2.5900165	1739	(15977)	10.4	262.41221	227.31199	209.59406	17.30716	0.0488535	5.2239286	1753
(15926)	14.1	286.75287	138.59090	225.91008	1.04393	0.1702826	2.5161653	1739	(15978)	13.6	133.85205	170.97439	207.22087	3.79584	0.1219602	2.6793319	1754
(15927)	13.4	289.05571	144.97430	268.53929	5.18720	0.0846328	2.3951870	1739	(15979)	12.3	180.64814	130.19710	175.58208	14.82989	0.2006905	2.7705209	1754
(15928)	14.5	344.37223	252.12927	91.45477	7.71649	0.1188895	2.4025987	1740	(15980)	12.9	174.28748	157.35925	133.97556	8.94518	0.0335023	3.1426353	1754
(15929)	13.4	0.32410	170.19210	53.45020	1.49143	0.1184927	3.1701385	1740	(15981)	13.2	219.68034	299.85017	23.74961	17.56113	0.2550363	2.6033581	1755
(15930)	14.7	354.17041	338.05741	351.07925	2.46975	0.1115104	2.3962943	1740	(15982)	14.4	86.22760	101.64653	71.03672	12.89715	0.1554402	2.3876434	1755
(15931)	13.6	164.51112	14.49909	71.56231	2.07641	0.1715233	3.1880507	1741	(15983)	13.4	264.00693	58.47213	255.88407	4.70562	0.1929238	2.5361364	1755
(15932)	14.0	248.85751	291.54203	132.28046	5.44561	0.0927270	2.6054550	1741	(15984)	13.5	127.96199	66.10288	94.65111	9.08333	0.2187740	2.5675977	1755
(15933)	14.4	279.09006	16.99167	54.64206	1.42981	0.1997268	2.3633473	1741	(15985)	13.6	28.07532	8.32827	217.12716	7.54178	0.0509514	2.2220898	1756
(15934)	15.1	331.85358	171.84092	198.73520	2.35946	0.2085268	2.3955799	1741	(15986)	14.6	95.12181	285.02733	207.37175	2.64206	0.2305011	2.6940350	1756
(15935)	14.0	17.91499	36.13840	273.06533	3.86444	0.0747629	2.6447779	1742	(15987)	14.6	111.17380	83.80148	118.65961	4.70532	0.1142985	2.2962646	1756
(15936)	13.9	326.97352	57.78235	270.28233	12.77435	0.1717824	2.5777068	1742	(15988)	13.8	18.85020	169.54668	107.93351	5.42392	0.1763250	2.2685007	1757

(15989)	13.3	92.22505	108.86474	74.28667	5.71155	0.1010191	2.3259946	1757	(16041)	12.0	290.79684	340.94490	32.41879	10.46429	0.1047266	3.0268419	1771
(15990)	14.4	237.00113	234.65279	173.31112	1.99400	0.2149538	2.3545067	1757	(16042)	13.5	21.79383	144.26096	163.75569	4.20229	0.0858048	2.7355984	1771
(15991)	13.6	333.74450	48.51748	272.29680	5.25916	0.0700186	2.1625927	1757	(16043)	14.1	220.62612	261.01129	206.65096	6.59970	0.1008251	2.2658220	1771
(15992)	14.5	96.29703	268.20270	312.62669	6.53849	0.0661778	2.3217139	1758	(16044)	14.3	21.90488	89.48180	189.38572	1.46575	0.0628407	2.9224161	1771
(15993)	13.8	123.41465	243.37868	262.14999	3.90592	0.1302265	2.6061263	1758	(16045)	12.8	43.62315	161.92287	109.28955	17.51241	0.1005452	3.2127145	1772
(15994)	13.9	108.78994	46.03058	143.72249	5.05151	0.0619622	2.2692317	1758	(16046)	14.1	126.78484	312.30130	230.01447	12.32110	0.1205745	3.0545326	1772
(15995)	14.7	88.58283	329.93738	244.73123	2.30631	0.1194697	2.2690201	1759	(16047)	13.4	57.33362	112.85772	154.04543	10.82097	0.0847047	2.9674445	1772
(15996)	14.4	65.87019	290.00713	314.43969	7.26892	0.1703938	2.2994002	1759	(16048)	14.0	84.53569	190.46702	39.39207	0.86649	0.1112551	3.0465187	1773
(15997)	13.4	59.36314	106.13013	101.24655	13.58255	0.1175409	2.6880256	1759	(16049)	13.8	46.61011	135.15350	145.50179	2.97517	0.0289041	2.9032611	1773
(15998)	14.3	44.16050	326.12032	25.05329	4.26254	0.0438339	2.2066436	1759	(16050)	13.4	175.16294	6.10145	118.83790	2.45895	0.1362058	3.1011504	1773
(15999)	14.6	110.51207	324.26088	233.53404	3.45196	0.0748166	2.2566688	1760	(16051)	14.4	310.37942	243.64630	144.57985	3.87372	0.0897252	2.7512013	1773
(16000)	14.7	73.93836	50.43796	175.11996	2.18579	0.1705518	2.4010775	1760	(16052)	13.9	319.97650	161.32739	226.51235	11.20848	0.2076072	2.6853204	1774
(16001)	14.5	64.35310	356.42023	193.62808	4.82410	0.0969491	3.1186512	1760	(16053)	14.7	224.94924	216.31700	247.93739	1.06771	0.0156093	2.8437339	1774
(16002)	14.4	349.62284	163.66125	149.55932	7.98977	0.2006470	2.4818543	1760	(16054)	13.0	343.72767	245.38300	108.21305	9.38404	0.1273223	3.1627028	1774
(16003)	12.8	120.57789	2.53881	120.07448	10.71829	0.1281919	3.1776071	1761	(16055)	13.4	204.26874	224.47558	261.25866	8.07195	0.1022166	2.7690935	1774
(16004)	14.5	352.49783	187.77562	145.97525	4.48529	0.1787460	2.2277832	1761	(16056)	13.4	149.98149	274.83775	251.59196	13.71881	0.0877462	2.6231814	1775
(16005)	14.3	95.50839	68.93993	114.06201	30.54983	0.2559039	2.5992774	1761	(16057)	12.7	141.26595	287.00062	242.71872	10.42981	0.1365268	2.6771644	1775
(16006)	15.2	51.41160	71.41960	190.50602	2.06421	0.1879855	2.3945068	1762	(16058)	13.7	235.28593	174.93480	287.22821	7.07043	0.1522485	2.2568024	1775
(16007)	13.9	64.98721	291.76490	325.55619	7.56432	0.0958115	2.3134290	1762	(16059)	14.1	307.14909	285.63720	103.61475	7.84259	0.0340911	2.5328212	1776
(16008)	14.9	26.85798	197.19101	99.98534	6.50354	0.1788171	2.2479611	1762	(16060)	13.0	50.42736	163.72183	107.93381	11.56888	0.0707567	2.9695826	1776
(16009)	12.3	289.01616	326.92853	38.44973	16.01813	0.1550329	2.5364479	1762	(16061)	13.0	264.62233	305.64916	117.21631	6.86683	0.1672323	3.1010551	1776
(16010)	13.0	18.92193	104.88152	177.30987	10.14808	0.0702197	3.0215884	1763	(16062)	14.1	141.17409	185.89198	94.13734	9.54510	0.0566812	2.2984646	1776
(16011)	14.1	55.42450	74.54975	166.45066	5.62656	0.0602804	2.5515850	1763	(16063)	15.7	79.76667	306.25442	63.31102	4.11555	0.2220058	2.2396630	1776
(16012)	14.8	68.16081	277.54701	315.53058	2.30292	0.1701222	2.4181728	1763	(16064)	16.9	54.69841	95.38464	343.89912	4.39610	0.5766275	2.8846504	1777
(16013)	14.6	142.42853	137.55615	33.98822	2.30238	0.0662914	2.2926075	1764	(16065)	15.2	193.57990	165.14201	61.18752	3.44356	0.0426512	2.6633150	1778
(16014)	14.1	98.68995	88.06643	84.01282	3.45882	0.0294585	2.8562435	1764	(16066)	13.3	13.47586	311.84212	144.10884	10.85069	0.0886452	3.0326934	1778
(16015)	14.4	11.66714	186.77402	73.98605	1.95354	0.1463253	3.1343803	1764	(16067)	13.3	180.16264	34.73665	168.47656	9.15687	0.0501543	2.9945088	1779
(16016)	14.9	11.66796	273.60888	48.10843	0.91481	0.0391798	2.1708353	1764	(16068)	15.1	213.49093	86.50663	138.14487	5.77168	0.1656096	2.3688836	1779
(16017)	14.3	32.50709	331.39800	281.37062	1.19967	0.0845646	2.6083561	1765	(16069)	15.4	90.33578	224.42438	133.95990	5.33264	0.1841654	2.5314310	1779
(16018)	12.3	291.82368	74.18274	278.04248	12.42691	0.0365370	2.5422828	1765	(16070)	9.8	56.88150	352.53780	300.94711	16.24361	0.1239264	5.1267598	1780
(16019)	14.4	22.84706	9.37278	277.57158	6.52975	0.1374131	2.3841627	1765	(16071)	13.7	271.06602	215.95351	294.21841	4.11637	0.1020914	2.7433927	1780
(16020)	15.0	23.36637	124.71055	174.92590	5.09747	0.1629035	2.2979170	1765	(16072)	16.3	93.36261	173.72298	154.73463	5.31041	0.2110291	2.5624823	1780
(16021)	14.6	159.54957	216.96657	298.25218	5.81593	0.0604595	2.3346188	1766	(16073)	15.4	69.19867	51.30484	336.82749	4.93083	0.1447047	2.2393539	1780
(16022)	15.4	65.44450	232.13532	12.48999	2.08769	0.1761079	2.3611686	1766	(16074)	14.8	44.26803	249.46919	129.49898	2.41956	0.0741758	2.6458196	1781
(16023)	14.9	57.87675	140.25004	97.90996	3.29326	0.1074457	2.5624465	1766	(16075)	15.0	53.59196	238.51068	159.66685	4.93162	0.1949883	2.4223066	1781
(16024)	13.3	5.35202	294.65586	7.14071	14.61352	0.1299066	2.5727764	1766	(16076)	14.1	278.10267	313.44366	195.24205	9.81902	0.0938630	2.5652733	1781
(16025)	14.5	17.33937	58.57441	228.56622	6.78869	0.2071661	2.2891457	1766	(16077)	14.4	162.17765	119.66797	136.49045	6.25641	0.1751547	2.4303172	1781
(16026)	14.7	275.06094	191.64999	208.38506	3.07949	0.0543616	2.1584745	1767	(16078)	14.8	104.03081	63.12703	274.30798	0.59530	0.0259871	2.5410505	1782
(16027)	14.2	78.61077	89.13582	97.41084	11.17573	0.0429547	2.7406062	1767	(16079)	15.3	261.23352	142.68147	49.45429	1.37441	0.1212553	2.2823662	1782
(16028)	12.9	103.47443	316.16519	259.86872	11.81455	0.0519482	2.3322568	1767	(16080)	13.9	100.61089	275.95006	53.52716	5.55730	0.1065951	2.6725764	1782
(16029)	12.2	141.68993	347.99052	175.76530	15.14037	0.1715766	3.1386371	1767	(16081)	13.2	148.61600	16.56518	255.57813	7.47541	0.1218865	3.1083591	1782
(16030)	13.4	145.60144	41.38991	115.54524	9.18484	0.0953609	2.5464620	1768	(16082)	14.2	106.66806	323.00416	27.88726	8.20763	0.2102637	2.5516117	1783
(16031)	13.4	335.27850	213.21702	100.30658	2.23397	0.1696813	3.1957474	1768	(16083)	15.1	118.74706	205.71374	142.54951	6.14520	0.2145584	2.1660691	1783
(16032)	13.2	27.54394	64.41853	215.74323	10.09505	0.0684510	2.9837788	1768	(16084)	14.9	57.59187	229.73346	215.86891	1.37606	0.1831578	2.3869697	1783
(16033)	13.1	341.70750	181.01264	167.21321	2.28065	0.0972188	2.9057572	1769	(16085)	15.0	120.54575	348.16852	355.39843	1.82608	0.0742191	2.7225285	1784
(16034)	14.0	36.43105	329.52996	318.24356	4.74781	0.1053807	2.4640089	1769	(16086)	13.6	281.51587	8.96470	145.71443	1.35912	0.1372807	3.2079402	1784
(16035)	12.5	32.75614	163.65215	128.84086	9.53595	0.0903918	2.7844640	1769	(16087)	14.7	167.98872	158.29912	132.89601	15.80808	0.1480377	2.6267272	1784
(16036)	13.3	310.48982	295.95171	81.34521	7.09504	0.1444558	2.7403096	1769	(16088)	13.9	94.97445	312.87890	53.70803	3.99102	0.0364004	2.4611106	1785
(16037)	13.3	24.04221	95.13162	187.58953	15.24243	0.0610166	3.2213992	1770	(16089)	14.1	201.50190	118.95671	119.54968	3.11749	0.1442036	2.6742812	1785
(16038)	11.6	195.34520	26.10606	49.88680	11.51849	0.0786238	3.0222094	1770	(16090)	16.0	76.67627	247.96631	141.71683	5.38150	0.1128213	2.4409348	1785
(16039)	14.1	62.47035	178.06085	48.93268	1.80007	0.1341850	3.1983512	1770	(16091)	14.4	227.53054	63.67086	176.96237	4.83853	0.1897620	2.3493879	1785
(16040)	13.7	54.61356	64.13253	178.96641	10.29438	0.0585510	2.9968264	1770	(16092)	15.3	233.01791	114.78744	122.59465	0.59667	0.1421943	2.4059534	1786

(16093)	13.6	245.59241	29.02737	185.80312	5.29490	0.0743980	3.2187662	1786	(16145)	13.4	85.10384	88.87685	300.51745	7.46806	0.1528056	2.7916217	1801
(16094)	15.6	134.31049	192.95605	131.47274	5.72390	0.1164730	2.4449432	1786	(16146)	13.5	192.58581	358.98258	309.09117	7.33370	0.1465610	2.7749289	1801
(16095)	14.8	15.72499	327.03569	164.73840	6.93625	0.0561679	2.3432288	1786	(16147)	14.2	240.33849	241.04883	61.59964	5.91016	0.2223240	2.2792746	1802
(16096)	15.8	133.24025	94.55357	212.42335	1.54790	0.1968112	2.6430674	1787	(16148)	13.6	4.47828	198.19648	304.70794	8.19947	0.0998037	2.7917194	1802
(16097)	15.8	181.56584	206.66523	79.77970	3.32272	0.1599731	2.3642295	1787	(16149)	13.6	174.22900	164.55288	178.70557	9.16260	0.0531622	3.0401398	1802
(16098)	14.1	93.53867	307.54402	101.21498	6.75701	0.2761440	2.5582091	1787	(16150)	14.4	114.80361	254.05344	70.55511	14.50323	0.2240397	2.6315877	1802
(16099)	10.9	99.63118	277.31934	96.40489	13.44703	0.0815939	5.1902475	1788	(16151)	13.6	248.27512	221.28280	16.99932	11.70675	0.1469407	2.6687941	1803
(16100)	15.9	207.58315	71.91017	219.81213	1.45754	0.1148432	2.1824991	1788	(16152)	12.2	59.45096	347.51763	64.15311	3.45935	0.0961274	5.1224044	1803
(16101)	14.1	165.97709	257.58528	59.11845	2.83268	0.0560709	2.8639492	1788	(16153)	12.5	275.16653	119.51995	135.13901	5.74621	0.1106979	3.1840483	1803
(16102)	15.6	256.32641	17.48769	218.77547	2.03359	0.1318182	2.4060205	1789	(16154)	12.1	180.46833	31.01277	304.95223	6.16788	0.0496259	3.2000226	1804
(16103)	14.8	236.83612	185.14648	39.11939	2.84057	0.1584697	2.4063174	1789	(16155)	13.7	59.55312	318.82819	119.27118	5.32620	0.1455773	2.7381353	1804
(16104)	14.7	271.93510	70.09640	145.87355	6.35843	0.1064030	2.2806681	1789	(16156)	12.5	256.27344	331.01202	288.00537	12.21476	0.1712207	3.1572556	1804
(16105)	13.3	99.80931	171.93458	196.47974	10.55639	0.1356357	3.0564925	1789	(16157)	12.6	201.86064	185.88418	140.05302	10.07044	0.1243798	2.6655822	1804
(16106)	14.0	15.83778	19.53715	105.78424	4.84270	0.0451954	2.3316858	1790	(16158)	14.1	102.43568	228.95214	186.01239	2.98488	0.1971812	2.6623911	1805
(16107)	14.2	143.79474	121.63356	198.68054	4.48588	0.0462119	2.7238113	1790	(16159)	12.8	28.52964	195.36846	311.86692	11.98582	0.0565124	3.1416911	1805
(16108)	14.1	179.52690	291.93156	28.71449	4.76361	0.1228993	2.2942632	1790	(16160)	13.2	226.86795	207.23897	112.70686	11.53885	0.1289639	3.0367657	1805
(16109)	14.6	229.14467	169.98862	94.74647	4.81400	0.1412241	2.2971040	1791	(16161)	13.8	279.32651	186.59120	110.50563	11.55749	0.2448382	2.4583841	1806
(16110)	14.7	155.51726	205.77415	129.43878	4.72044	0.1556654	2.3101253	1791	(16162)	12.4	163.90816	267.88606	105.58941	11.11718	0.1053172	3.0214497	1806
(16111)	14.8	189.06342	198.94930	90.37824	3.88958	0.1685941	2.4463863	1791	(16163)	15.1	127.90571	151.87510	208.80468	1.50995	0.2036043	2.3970557	1806
(16112)	15.1	134.23178	208.46111	140.14427	6.36514	0.1448163	2.3710594	1792	(16164)	14.3	157.89490	179.92231	151.61912	2.61153	0.0432387	2.8598428	1807
(16113)	14.4	99.99272	208.92796	150.71683	2.67533	0.0973096	2.9127195	1792	(16165)	14.9	97.83678	249.55034	184.35789	2.70766	0.1279685	2.2648442	1807
(16114)	14.4	149.24296	342.43875	328.30484	1.76496	0.2016561	2.4042966	1792	(16166)	15.0	145.32712	236.20173	130.27076	5.86396	0.1651375	2.6257057	1807
(16115)	13.3	22.68809	335.56789	117.89482	2.67817	0.1574628	3.2173889	1793	(16167)	15.1	184.20075	183.93859	164.88520	3.76788	0.1937423	2.3261467	1807
(16116)	14.7	140.11972	173.27290	161.30698	2.38422	0.2404729	2.3998249	1793	(16168)	16.0	96.69442	241.86241	197.52881	0.75581	0.1603353	2.3871450	1808
(16117)	13.7	82.41661	189.12779	198.35888	6.92939	0.1620126	3.1743624	1793	(16169)	15.0	207.75306	258.03472	96.50434	1.70376	0.0692850	2.1710558	1808
(16118)	14.3	353.86965	99.65936	75.47029	5.78224	0.1492499	2.2542191	1793	(16170)	13.2	129.20610	276.37091	125.65096	10.56405	0.0967779	3.0538062	1808
(16119)	14.8	223.13533	141.58902	132.60599	2.00792	0.1959414	2.3649792	1794	(16171)	13.9	25.73893	217.36093	344.28556	7.92307	0.2136083	2.3889473	1809
(16120)	15.4	108.08732	162.36647	198.40515	2.10765	0.1373698	3.0596221	1794	(16172)	13.8	129.96539	342.75640	96.08273	5.66501	0.0892463	2.3004317	1809
(16121)	15.2	310.50704	18.39472	188.96328	0.83344	0.1094549	2.4213916	1794	(16173)	13.8	340.37195	193.49378	71.12681	5.25893	0.2124169	2.2512452	1809
(16122)	15.6	23.34846	311.35137	190.37226	2.11268	0.1704197	2.4236150	1794	(16174)	14.9	115.38548	244.26511	175.41493	5.46932	0.1342773	2.2540413	1810
(16123)	14.1	197.33340	197.68091	116.77753	3.33489	0.2253513	2.3768008	1795	(16175)	15.1	285.72670	45.24012	214.97446	6.01081	0.0793804	2.5216755	1810
(16124)	14.5	44.09301	307.56804	190.96778	1.60296	0.1564439	2.3922780	1795	(16176)	12.8	195.68275	39.97398	297.14834	8.10872	0.1662386	2.8039481	1810
(16125)	13.4	142.94283	83.35543	286.10441	9.19973	0.1327736	2.5562237	1795	(16177)	14.7	280.06734	87.28906	197.67390	1.96673	0.1540549	2.3704457	1811
(16126)	12.7	128.23539	270.89376	103.24667	13.08638	0.2198736	2.6075996	1796	(16178)	13.8	59.88903	284.79147	185.04474	1.03689	0.0863855	3.2432974	1811
(16127)	15.4	5.56946	55.23931	120.95803	2.63805	0.0909177	2.2576476	1796	(16179)	13.9	268.60934	293.60208	315.38098	0.28985	0.1188621	3.1331779	1811
(16128)	15.6	72.18915	295.46681	157.43045	1.37034	0.1467073	2.4162454	1796	(16180)	14.3	302.76785	176.23701	117.39445	5.53845	0.1505855	2.2180778	1811
(16129)	15.1	157.92943	72.14770	262.30754	4.20238	0.2083984	2.3097097	1796	(16181)	13.3	347.75420	209.27888	16.78418	5.13780	0.1375132	3.1715984	1812
(16130)	14.7	202.91484	301.48978	4.26900	0.64459	0.0807528	2.3574087	1797	(16182)	13.5	227.69535	223.27109	130.73927	6.39422	0.2042366	2.2125964	1812
(16131)	14.7	54.50868	65.08840	17.02083	2.03617	0.0140264	2.8777881	1797	(16183)	13.3	128.37447	192.78144	108.90606	6.63718	0.1825442	3.1756778	1813
(16132)	14.1	273.05641	324.74042	286.60800	1.74798	0.1416138	2.4336203	1797	(16184)	12.7	320.50960	316.11822	282.91636	8.00507	0.1032214	2.7823609	1813
(16133)	12.6	205.83982	203.55217	90.50102	8.67496	0.0224493	3.1005740	1798	(16185)	13.8	280.12939	89.67078	179.96364	8.95082	0.0620250	2.9946734	1813
(16134)	12.6	59.70339	350.57071	81.84268	8.63388	0.1847877	3.2073428	1798	(16186)	13.5	5.33378	35.24457	188.65681	13.71957	0.1103403	2.5983207	1813
(16135)	14.2	117.67947	333.49301	4.34459	3.31180	0.1583419	2.8001188	1798	(16187)	13.3	62.16908	199.85774	316.84973	11.82835	0.0982039	2.6914725	1814
(16136)	15.1	303.09324	35.21580	166.46454	3.03082	0.0795284	2.2847069	1798	(16188)	13.6	120.34670	193.15295	177.42384	9.41793	0.1634848	2.7666631	1814
(16137)	15.9	119.05829	17.12987	338.08065	2.53173	0.2379158	2.3492210	1799	(16189)	14.1	170.76668	164.42297	146.65963	13.76509	0.0208033	2.9111324	1814
(16138)	13.9	251.93823	191.56327	38.68641	9.75803	0.0995873	2.7647046	1799	(16190)	13.4	258.70015	37.31227	232.82298	14.13199	0.0769384	2.5941046	1815
(16139)	13.2	294.49066	148.34340	38.33338	9.32598	0.1078931	3.1642199	1799	(16191)	15.4	171.59959	224.20545	122.18145	0.39993	0.2142349	2.4081366	1815
(16140)	13.7	359.59961	103.88175	30.70212	9.47061	0.1049163	2.7705218	1800	(16192)	15.8	143.67792	225.50444	109.37931	2.45508	0.2322460	2.3069570	1815
(16141)	13.8	131.93295	136.85200	208.22556	8.70058	0.1239847	2.5149298	1800	(16193)	14.7	343.36962	39.39453	108.96512	3.48056	0.0234165	2.6992559	1815
(16142)	14.6	160.66701	197.41089	127.98044	8.83909	0.3000438	2.2414809	1800	(16194)	12.8	331.13193	39.76547	164.11500	13.01111	0.1043976	3.1642651	1816
(16143)	14.5	155.43844	21.36073	311.81440	9.34191	0.3386767	2.2606813	1801	(16195)	13.4	101.59114	142.87015	303.40476	15.08235	0.0552006	3.1572100	1816
(16144)	12.5	137.13248	40.40518	321.04445	10.11749	0.1136894	2.9972032	1801	(16196)	12.9	232.56715	11.89626	311.77263	19.01253	0.0702489	3.1189356	1816

(16197)	13.7	196.01357	86.57244	267.71764	10.40016	0.2352191	2.4135865	1816	(16249)	14.8	355.55566	200.11051	69.49506	2.96106	0.0266548	2.8384652	1831
(16198)	13.2	241.51750	133.45206	189.57586	12.46434	0.1760492	2.5702717	1817	(16250)	15.2	260.72743	230.74334	149.89199	6.74436	0.1482620	2.3114481	1831
(16199)	14.4	97.65080	341.68476	96.23083	3.03326	0.0660095	2.9445746	1817	(16251)	15.7	313.47055	141.09725	189.50022	1.68161	0.2153934	2.4273966	1831
(16200)	12.9	255.62159	161.25314	131.19123	5.95923	0.1172651	3.1788733	1817	(16252)	14.3	254.49758	195.10828	185.21791	2.27590	0.1793322	2.4602514	1832
(16201)	15.2	344.39946	176.95396	70.07550	1.36494	0.1725362	2.3719318	1817	(16253)	14.1	155.22716	225.52384	224.23892	11.31380	0.1306201	3.0492517	1832
(16202)	14.9	284.02948	117.36665	171.94387	2.40169	0.1581551	2.4049706	1818	(16254)	14.6	300.83459	168.85367	157.39529	2.42682	0.0676666	2.8559862	1832
(16203)	14.4	252.29856	143.91440	168.90161	3.72186	0.1584261	2.5598595	1818	(16255)	14.3	217.12405	102.80719	280.01105	0.85747	0.1159063	2.9535807	1833
(16204)	14.2	299.29508	249.31356	2.65436	1.28545	0.0284893	2.8316271	1818	(16256)	14.5	55.15647	36.59425	190.24958	21.75415	0.0884128	1.9471452	1833
(16205)	15.2	329.16692	229.36187	39.25461	0.27017	0.2091739	2.3004893	1819	(16257)	12.6	14.98091	130.50541	129.70396	19.97437	0.1129775	2.7752786	1833
(16206)	12.5	124.41139	59.07240	7.59011	12.33554	0.1263916	2.7495266	1819	(16258)	14.8	277.48511	296.94571	57.50840	8.64871	0.1278859	2.4668464	1833
(16207)	13.7	234.50782	315.36772	7.54200	9.61017	0.0940337	2.9840944	1819	(16259)	14.5	213.84479	345.94291	57.20111	11.26936	0.1620713	2.6883269	1834
(16208)	13.2	285.75620	34.62398	251.21118	2.72968	0.1738238	3.0956111	1820	(16260)	14.2	288.12200	82.16158	284.90198	4.67833	0.1901652	2.4023413	1834
(16209)	15.3	160.42198	191.58717	190.38025	0.71137	0.1917309	2.4130333	1820	(16261)	12.3	291.95161	124.69584	216.40110	10.07659	0.0441936	2.9777950	1834
(16210)	13.1	303.30073	351.28446	296.46958	10.33330	0.2865302	3.0540211	1820	(16262)	14.4	25.15037	203.73892	28.09894	2.73001	0.0380577	3.0553523	1835
(16211)	15.5	314.48489	146.06848	120.24079	3.86299	0.1176554	2.3157317	1820	(16263)	14.4	22.69370	241.57538	0.18768	0.13712	0.1591723	3.2046791	1835
(16212)	14.8	99.40401	320.92434	143.24471	6.39535	0.0889671	2.2655407	1821	(16264)	14.9	326.35307	254.54645	57.83519	3.16745	0.0874181	2.6472283	1835
(16213)	13.2	148.40505	53.21293	337.61961	15.83403	0.0911663	3.2330410	1821	(16265)	14.2	260.02229	192.18943	175.04546	1.03038	0.1737775	3.1198507	1835
(16214)	14.1	290.04332	174.84573	119.33461	7.30606	0.1447701	2.3329814	1821	(16266)	14.3	47.81360	153.17521	58.08611	16.21610	0.0866814	2.8447425	1836
(16215)	15.9	17.94200	189.39583	9.44517	3.19035	0.0849457	2.2111093	1822	(16267)	14.6	25.93930	14.30900	222.61055	2.54929	0.0583880	3.0019748	1836
(16216)	13.0	320.29166	237.92524	6.02627	9.41102	0.0979962	2.6713756	1822	(16268)	16.1	346.39690	74.40061	227.82703	1.59838	0.1676864	2.4424099	1836
(16217)	15.4	146.09123	227.35559	170.64838	4.13945	0.2041325	2.5612432	1822	(16269)	14.9	274.67453	211.91556	145.25991	0.73675	0.1712409	3.1135849	1836
(16218)	13.6	7.56131	120.43417	79.81643	2.66579	0.0907588	3.1634009	1823	(16270)	12.7	167.79413	76.54399	10.30040	9.47432	0.0660007	2.6530926	1837
(16219)	16.7	138.10020	332.09941	73.09461	0.42408	0.2067164	2.3678394	1823	(16271)	15.4	33.06893	38.01630	194.26106	4.52442	0.1437612	2.4249808	1837
(16220)	14.3	212.42520	149.54229	196.90500	2.37256	0.0662125	2.7441357	1823	(16272)	12.4	178.10348	3.43011	70.04057	17.16649	0.1919923	3.1217705	1837
(16221)	15.8	254.15093	149.21938	167.97024	6.49887	0.1619993	2.4738373	1823	(16273)	14.4	55.93197	51.60042	164.05545	4.29407	0.0573591	2.2989347	1837
(16222)	16.3	279.09525	192.53461	109.91885	1.71222	0.0228048	2.2112023	1824	(16274)	14.9	321.30613	254.45229	74.86634	7.29319	0.1514440	2.3670041	1838
(16223)	13.7	253.91298	137.09253	338.96287	1.59893	0.0494418	2.9007063	1824	(16275)	13.3	6.69071	96.30749	181.36309	4.88861	0.1813571	2.6318950	1838
(16224)	13.5	258.37798	161.21596	152.29965	1.88736	0.1073340	2.9384507	1824	(16276)	13.9	337.78473	82.02546	234.47927	9.67984	0.1861101	2.6170737	1838
(16225)	15.4	213.70170	133.01977	229.30785	1.70679	0.0185397	2.5852952	1824	(16277)	13.7	197.42413	329.88439	93.41753	8.46937	0.0753891	2.7555195	1839
(16226)	14.1	288.94435	283.84386	356.67902	8.24828	0.0430211	3.1195543	1825	(16278)	13.1	197.86282	21.23312	42.33012	0.99229	0.1760440	3.1917561	1839
(16227)	13.7	267.10464	59.14488	250.39526	0.94840	0.0808921	2.8767537	1825	(16279)	13.5	27.79518	159.63063	77.30681	2.39932	0.1285896	3.0802297	1839
(16228)	13.8	256.39335	297.85776	33.18436	0.39570	0.1726103	3.1190144	1825	(16280)	14.5	1.80396	156.95620	170.64981	5.03084	0.1598205	2.2350725	1839
(16229)	13.8	165.72519	221.88724	180.85448	0.93053	0.1398349	3.1882602	1826	(16281)	15.0	108.75346	106.51708	217.95348	2.14428	0.1013035	2.6636022	1840
(16230)	14.2	214.09054	78.88680	291.81513	8.01646	0.0776237	2.6240108	1826	(16282)	14.8	215.52442	315.18831	349.01149	1.45129	0.0275755	2.6187323	1840
(16231)	14.0	264.96313	199.12036	114.14402	2.92673	0.1491452	3.0901060	1826	(16283)	14.3	248.83904	353.46703	11.43720	9.52869	0.1711368	2.7674345	1840
(16232)	12.7	37.47141	258.62895	251.87494	7.94070	0.1133777	3.9455338	1826	(16284)	14.8	64.24367	298.40042	171.92767	0.52774	0.1476487	3.0832384	1840
(16233)	12.2	195.25968	83.07581	304.88394	13.99314	0.1192282	2.6156584	1827	(16285)	12.6	305.73751	257.84983	332.92215	13.36257	0.1699056	3.0445722	1841
(16234)	14.1	216.88805	238.45108	132.28656	7.40069	0.1326826	2.3540506	1827	(16286)	14.4	38.67819	94.67765	340.24257	5.49258	0.0354519	2.8548774	1841
(16235)	13.6	175.32961	324.35052	75.11833	9.18881	0.2231540	2.7834403	1827	(16287)	14.0	157.41844	206.08142	201.41697	14.50749	0.1221666	3.0462858	1841
(16236)	14.7	328.97242	130.25715	163.98963	2.80433	0.2134167	2.6249304	1827	(16288)	14.6	116.80543	71.19997	243.23507	4.87124	0.1176667	2.6610679	1841
(16237)	13.9	5.75335	43.10822	214.15652	6.84750	0.1474583	2.5509960	1828	(16289)	14.7	72.67829	212.95575	273.20740	3.88748	0.0278261	2.8004909	1841
(16238)	14.6	14.08249	95.80410	150.166077	2.93773	0.1966825	2.3587182	1828	(16290)	14.1	278.95024	145.73461	206.78196	9.94270	0.0522763	2.9879930	1842
(16239)	15.3	323.77697	19.35672	287.03838	3.28853	0.2346081	2.5450248	1828	(16291)	15.0	171.57085	61.44188	211.22047	1.45584	0.0239828	2.8709297	1842
(16240)	13.4	52.57349	215.72624	301.98829	4.86475	0.0557623	3.1759709	1828	(16292)	15.8	342.49249	151.61016	174.82171	3.03057	0.2507794	2.2444842	1842
(16241)	14.6	71.36536	356.55640	188.03667	8.38714	0.1263451	2.5809812	1829	(16293)	15.5	317.62638	271.87667	27.46633	3.49329	0.2494971	2.5590195	1842
(16242)	13.9	93.27863	329.58617	203.74289	11.31190	0.1254282	2.4418382	1829	(16294)	15.1	87.40597	52.17270	9.79803	4.99963	0.1507655	3.0922772	1843
(16243)	13.0	174.57037	82.26252	293.97497	17.52919	0.2047639	3.1501920	1829	(16295)	14.3	71.74249	90.22214	22.03731	9.44303	0.0232917	3.0537106	1843
(16244)	15.2	228.54180	296.35205	84.90193	3.82106	0.2614486	2.3244521	1830	(16296)	15.0	18.44116	33.65326	219.89424	2.33208	0.0296994	2.5604673	1843
(16245)	14.0	128.38018	161.24912	284.36731	4.16087	0.1395026	3.2044322	1830	(16297)	13.9	54.56057	168.59282	355.07785	13.14902	0.0784851	2.7866161	1843
(16246)	14.8	287.77946	240.12841	106.53272	0.41381	0.1840087	3.0956798	1830	(16298)	14.6	124.42723	202.64677	126.45798	2.23493	0.1567812	3.1017749	1843
(16247)	15.1	241.71656	96.63905	270.72604	0.97755	0.0833447	2.8524203	1830	(16299)	15.0	300.18041	170.22032	159.44620	4.35162	0.2945594	2.5531204	1844
(16248)	14.3	204.93848	189.06473	230.39541	2.38334	0.1310926	2.2717925	1830	(16300)	13.5	36.48194	150.08670	133.46924	2.70486	0.1412854	3.2190722	1844

(16301)	13.8	62.82401	77.37243	27.18784	4.05971	0.0850872	2.3029263	1844
(16302)	14.1	31.47886	20.61400	80.61544	3.65599	0.1203081	3.1032824	1844
(16303)	14.3	52.42086	308.12315	139.37924	2.79356	0.1572189	3.1016981	1845
(16304)	15.5	5.89670	151.93311	132.24300	1.25977	0.2027796	2.3830428	1845
(16305)	14.8	54.85571	38.36177	143.92282	3.07769	0.0280938	3.0082175	1845
(16306)	15.2	38.75175	191.81992	50.14603	2.00197	0.1545127	2.3887261	1845
(16307)	15.2	28.98045	32.44854	38.98271	4.17230	0.1088225	2.3292919	1846
(16308)	15.9	107.46036	266.70271	88.86746	3.74068	0.1706264	2.6452246	1846
(16309)	14.3	354.41593	304.98066	334.69437	3.67743	0.1217298	2.5532511	1846
(16310)	14.6	53.17988	220.61647	222.86436	2.18088	0.1835044	2.3980692	1846
(16311)	15.1	50.09931	49.22573	214.28399	6.29696	0.0901192	2.3208935	1847
(16312)	14.9	314.11636	180.75454	201.02968	4.93866	0.0724487	2.7576583	1847
(16313)	14.6	296.78097	74.41833	235.37354	1.15325	0.0646086	2.8408330	1847
(16314)	13.9	145.34404	285.12363	235.53500	4.03539	0.1091130	3.1172907	1848
(16315)	14.1	289.66350	303.43716	2.73266	16.96128	0.2363997	2.5873247	1848
(16316)	13.9	324.37050	326.84000	329.60072	0.35639	0.1889602	3.2028147	1848
(16317)	14.9	339.12978	256.68935	106.64520	1.44765	0.0904024	2.1349496	1849
(16318)	15.4	286.83262	177.38214	153.20978	2.08182	0.1416683	2.3500742	1849
(16319)	15.0	344.11541	40.01524	257.50703	2.44508	0.1201540	2.3423977	1849
(16320)	15.7	119.19443	220.78338	152.09133	4.61742	0.1811484	2.2274487	1849
(16321)	15.3	183.68151	312.65283	33.38277	8.24236	0.0300210	2.3940054	1850
(16322)	15.0	188.13559	351.47452	141.05146	4.80759	0.0501982	2.3111014	1850
(16323)	14.2	7.07236	33.97963	276.90308	2.21176	0.1827026	2.7482820	1850
(16324)	14.2	68.80232	61.03423	342.24046	1.03794	0.0992784	2.9620170	1850
(16325)	15.3	60.65508	104.15177	316.29783	2.28023	0.1498408	2.9626636	1851
(16326)	13.6	280.41280	357.11024	308.55659	1.19651	0.0480236	2.8437670	1851
(16327)	14.6	108.36958	78.29446	7.85940	12.94614	0.0409517	2.5759626	1851
(16328)	14.4	97.41853	329.40154	178.16416	13.43124	0.1072187	2.5412813	1851
(16329)	15.3	321.84522	133.98352	152.79853	3.85212	0.0742106	2.8174882	1852
(16330)	15.0	10.22182	356.93672	123.94814	5.40856	0.0069752	2.6203707	1852
(16331)	13.1	15.67749	175.00859	87.46225	1.85296	0.1412229	3.1621276	1852
(16332)	13.1	2.77800	166.93480	130.64366	2.16178	0.1424410	3.1373853	1853
(16333)	13.5	198.96340	37.23288	83.20373	2.88593	0.0509046	2.7660662	1853
(16334)	15.2	98.85156	284.03835	172.05565	12.69573	0.1694449	2.5918203	1853
(16335)	14.1	81.87721	295.75452	270.65186	7.17026	0.1196555	2.7854616	1853
(16336)	15.6	346.28744	29.22184	267.63770	5.74540	0.1398306	2.2842618	1854
(16337)	13.2	283.07493	174.55802	242.16615	10.29023	0.0852990	3.1081894	1854
(16338)	14.7	353.49716	70.33187	241.77964	11.83073	0.1687190	2.4878829	1854
(16339)	14.7	79.31140	61.35049	272.40678	4.04277	0.1551919	3.1349161	1854
(16340)	14.2	1.76321	251.70816	355.08646	9.33614	0.1476700	2.5357977	1855
(16341)	15.0	70.21900	3.65560	237.81326	2.60244	0.0985404	2.2396189	1855
(16342)	13.7	193.94526	127.78134	251.73951	1.12403	0.0759608	2.9453917	1855
(16343)	14.8	280.43031	81.65271	281.09030	2.28822	0.0435970	2.5189567	1855
(16344)	13.8	359.88242	91.44907	221.43578	8.20651	0.1501155	2.8145333	1856
(16345)	14.7	223.61077	15.16240	356.48393	1.46776	0.0826284	2.9189786	1856
(16346)	13.2	156.76315	97.18290	201.72906	21.89011	0.0939223	3.0752008	1856
(16347)	13.7	213.79985	206.92917	153.06033	2.35658	0.0728118	2.9414650	1856
(16348)	13.9	154.62699	294.41207	22.61051	11.02582	0.1452361	3.0459580	1857
(16349)	15.3	118.33529	200.78750	94.84271	4.65394	0.0739886	2.7184697	1857

SUMMARY OF IDENTIFICATIONS

The following identifications are invalid:

1988 CG ₄	=	1942 RF ₁	MPC 34175
1990 DT ₂	=	1998 HW ₇₇	MPC 34178
1991 NE ₃	=	1987 SZ ₂₇	MPC 20023
1998 VM ₂₇	=	2000 CY ₇₂	MPC 40039
3511 T-3	=	1998 XT ₂₅	MPC 34276

Further details, orbital elements and residuals for the identifications listed below are given in the *Minor Planet Circulars Orbit Supplement*.

1968 OF ₁	=	2000 LW ₃₁
1974 FF	=	1974 HM = 1999 XX ₂₄₁
1977 EY ₆	=	1999 XG ₁₉₂
1978 UX ₄	=	1999 CA ₄₂
1978 UE ₆	=	1999 TE ₂₇₄
1978 UZ ₆	=	2000 LO ₂
1978 UF ₈	=	1999 CU ₉₆
1978 VT ₁	=	1995 FZ ₂₀ = 1999 JS ₁₃₂
1978 VJ ₃	=	1999 UF ₄₆
1978 VM ₄	=	2000 GO ₉₇
1978 VK ₇	=	1978 WV ₁₁ = 1993 RV ₁₇ = 1997 UU ₁₂
1979 MP ₆	=	1998 VM ₂₇ = 2000 CX ₄₄
1979 MD ₇	=	2000 KP ₅₀
1979 MG ₇	=	2000 GV ₁₇₇
1979 OU ₁₁	=	1996 NR ₂ = 1998 BO ₄₀
1979 QY ₂	=	1999 NQ ₃₄
1981 EE ₂₁	=	2000 LY ₃₂
1981 EG ₃₇	=	1999 XG ₂₄₉
1981 QB ₃	=	2000 EP ₁₈₈
1981 UN ₂₂	=	1966 CQ = 1986 ET ₄ = 1989 AD ₂ = 1999 CT ₈₃
1981 UJ ₂₈	=	1989 YQ ₂ = 1998 KX ₁₆ = 1999 RD ₅₃
1982 JS ₂	=	1997 XG ₃ = 1999 GB ₅₀ = 2000 LE ₂₃
1982 VN ₂	=	2000 GG ₁₇₈
1982 XW ₁	=	1994 PC ₂₄ = 1997 LU ₁₀ = 1999 VC ₁₈₉
1983 RA ₄	=	2000 JB ₂₄
1984 SW ₆	=	1998 XJ ₆₇
1984 WB ₄	=	1993 XZ ₁ = 1997 WE ₅₅
1985 QN ₂	=	1998 XO ₉₂ = 2000 EY ₉₂
1985 RA ₁	=	2000 HE ₉₅
1985 RK ₃	=	1962 UG = 2000 LU ₁₃
1985 SH ₁	=	1996 TD ₃₉
1986 PT ₁	=	2000 NO ₁₉
1986 RE ₅	=	1999 TV ₂₇₃
1986 WU	=	1998 VQ ₃₆
1987 OS	=	1998 QK ₈₇
1987 QY ₇	=	1998 VS ₁₉ = 1999 XX ₂₃₀ = 2000 DA ₆
1988 CR ₂	=	1999 CL ₃₉ = 2000 LF ₁₇
1988 CG ₄	=	1999 CE ₁₁₃
1988 CQ ₄	=	1999 GO ₆₀
1988 CS ₄	=	1999 TM ₂₅₂
1988 CN ₅	=	1999 RV ₂₅₃

1988 EX₁ = 1999 GC₂₅
 1988 RC = 1999 GN₆₀
 1988 VL₃ = 2000 NS₉
 1989 CR₅ = 1998 CB₅
 1989 GP₂ = 2000 LR₂₂
 1989 SH₄ = 1999 GN₂₇
 1989 SN₁₀ = 1998 DE₃₁
 1989 TH₇ = 1998 SH₁₆₅ = 1999 XX₂₃₁
 1989 TQ₁₅ = 1989 VU₁ = 2000 NM₃
 1989 US₂ = 1998 XK₈₀
 1989 UP₅ = 1978 WY₁₇
 1989 VF = 1999 TR₉₀
 1990 HQ₅ = 1999 CQ₂₄
 1990 RX₂ = 1999 XM₁₉₇
 1990 RT₁₃ = 1998 UL₄₅ = 1999 AJ₁₆ = 2000 JL₅₆
 1990 SD₂ = 2000 LS₅
 1990 SP₉ = 2000 NK₃
 1990 SL₁₁ = 1990 QT₁₈ = 1990 RB₁₇ = 1999 GG₆₀
 1990 SF₁₃ = 2000 GD₂₄
 1990 SH₁₃ = 1994 UQ₄ = 1998 XH₅₄ = 2000 GU₂₅
 1990 SE₁₅ = 2000 LJ₁₆
 1990 TZ₁₀ = 2000 AU₁₆₅
 1990 UX₁ = 1994 SL₁₃ = 1997 JZ₁₈ = 1999 UC₅₃
 1990 UD₂ = 1999 BS₂₀
 1990 VO₁ = 1999 GW₆₀
 1990 VK₇ = 1998 UR₃₂ = 2000 CZ₄₂
 1990 WE₃ = 1986 TM₅ = 2000 HZ₆₆
 1990 WF₄ = 1998 HU₁₂₀ = 1999 NQ₁₇
 1990 WF₅ = 2000 KD₆₁
 1991 AU₂ = 1999 GD₅₁
 1991 BP = 2000 GJ₁₅₂
 1991 BJ₁ = 1998 FS₁₂₆ = 1999 SL₁₉
 1991 CU₂ = 1996 TE₅₁
 1991 GK₁ = 1999 LL₂₃
 1991 GE₃ = 1999 LJ₂₄
 1991 GA₄ = 1998 KK₂₂ = 1999 TV₂₅₉
 1991 JC₂ = 1998 HZ₁₂₁
 1991 NN₉ = 1998 FU₁₄
 1991 PN₂ = 1999 RN₂₂₁
 1991 PP₂ = 1991 PY₂₉ = 1991 PW₃₁ = 1998 FX₆₅ = 1999 ND₃₇
 1991 PW₁₈ = 2000 KA₃₃
 1991 PK₃₁ = 1991 RK₃₁ = 1999 CM₁₇
 1991 RJ₃ = 1999 TM₂₈₀
 1991 RG₅ = 1982 BN₅ = 1999 FZ₄₀
 1991 RV₂₃ = 2000 AF₁₃₃
 1991 SB₁ = 1999 WS₂₀
 1991 TW₂ = 1998 UO₃₃
 1991 TK₆ = 2000 KM₆
 1991 TM₁₁ = 1995 TF₆
 1991 UH₁ = 1999 VH₁₇₉
 1991 VZ₅ = 1998 MR₂₁ = 1999 NU₂₄
 1991 VH₁₂ = 2000 GF₅
 1991 VV₁₂ = 2000 KL₂₅
 1991 YB₁ = 1999 CU₈₂
 1992 BZ₃ = 1998 UU₃₃
 1992 CL₂ = 1998 SR₇₆
 1992 CZ₂ = 1999 CK₆₂
 1992 DZ₃ = 1998 QW₁₆
 1992 DJ₆ = 2000 EY₁₉₂
 1992 DW₉ = 2000 KK₁₉
 1992 EU₂ = 1999 JM₄₈
 1992 EC₇ = 2000 GZ₁₆₁
 1992 ET₁₅ = 1999 GY₅₂
 1992 EB₂₇ = 1997 EM₂₁
 1992 GC₁ = 1999 FW₅₉
 1992 GU₂ = 1999 TV₈₈
 1992 HQ₃ = 1998 RS₂₅ = 1999 XU₁₅₇
 1992 LL = 1999 RB₂₃₀
 1992 NF = 1999 XH₂₄₉
 1992 OQ₁ = 1999 LK₃₅
 1992 PY₃ = 1988 QB₁ = 2000 NC₂₂
 1992 PH₄ = 1974 RP = 1985 SW₆ = 1999 LT₂₂
 1992 QY = 2000 GD₉₇
 1992 RE = 1999 CO₁₅ = 2000 MK₁
 1992 RD₇ = 2000 DZ₁₁₇
 1992 RQ₇ = 1996 TU₆₂
 1992 SH₆ = 1999 XQ₂₅₆
 1992 UJ₁ = 1982 VH₃ = 2000 AZ₁₇₃
 1992 UM₇ = 1995 MU₃
 1992 UN₇ = 1989 YP₇ = 1998 KX₂₃ = 1999 RR₁₉₁
 1992 YJ = 1992 VP = 2000 MF₁
 1992 YZ₄ = 1998 RA₃₄ = 2000 AQ₇₄
 1993 BJ₇ = 1998 KM₅₉ = 1999 RC₂₂₀
 1993 CG₁ = 1991 VZ₁₅ = 1999 GK₄₇ = 2000 KS₄₆
 1993 FD₁₈ = 1986 XQ₁ = 1999 VA₁₉₁
 1993 FY₂₃ = 1995 UU₄₉ = 1997 EG₃₆ = 1998 HY₅₇ = 1999 NE₂₄
 1993 FN₂₄ = 1999 XP₂₄₆
 1993 FF₃₁ = 1998 VM₂₈
 1993 FQ₃₃ = 2000 GH₁₅₈
 1993 FN₃₄ = 2000 MS
 1993 FU₄₀ = 2000 EB₁₉₇
 1993 FC₄₁ = 1980 FJ₅ = 1999 TO₃₀₈
 1993 FZ₄₃ = 2000 GL₅₉
 1993 FF₅₄ = 1999 GC₅₄
 1993 FK₇₄ = 1996 DS₄ = 2000 GL₁₃
 1993 FW₈₁ = 1999 TL₁₅₈
 1993 FA₈₄ = 1981 UP₂ = 1998 KW₁₈ = 1999 RO₂₃₆
 1993 FD₈₄ = 1999 TC₁₆₂
 1993 LJ₁ = 1999 TB₂₆₇
 1993 OW = 1986 XM₁ = 2000 LW₂₃
 1993 OU₈ = 2000 AZ₇₅
 1993 OJ₁₀ = 1998 OQ₆ = 1999 XG₁₉₀
 1993 OT₁₁ = 1999 RB₂₅₃
 1993 PO₅ = 1999 RG₂₄₂

1993 PL₇ = 2000 CU₄₆
 1993 PV₈ = 1998 ST₁₁₁
 1993 QP = 2000 NR₃
 1993 QG₈ = 1999 TL₂₄₅
 1993 RQ₁ = 1997 WZ₁₁
 1993 RA₂ = 2000 EJ₁₈₆
 1993 RP₂ = 2000 NA₉
 1993 RF₆ = 2000 KB₂₃
 1993 RV₁₅ = 1992 FJ₄ = 1997 WQ₅₈ = 1999 GD₅₄
 1993 RQ₁₆ = 1999 TU₁₉₂
 1993 SQ₆ = 1977 DZ₁₀ = 1999 GR₂₂
 1993 SG₁₃ = 1998 RL₂₇
 1993 TD₅ = 2000 NP₂₁
 1993 TU₉ = 1995 BC₁₇ = 1999 VA₂₁₄
 1993 TO₁₀ = 1999 XV₂₃₅
 1993 TB₁₄ = 1998 BP₁₈
 1993 TY₁₅ = 2000 EB₁₁₉
 1993 TQ₂₇ = 1982 VT₄ = 1999 TQ₁₇₂
 1993 TE₃₃ = 2000 KM₄₈
 1993 TX₃₄ = 1999 VC₂₀₈
 1993 UH = 1999 VZ₂₁₃
 1993 UJ₅ = 1999 FG₄₉
 1993 UB₆ = 2000 MZ₄
 1993 UG₆ = 2000 KA₄₇
 1993 UD₈ = 1999 CA₁₅₈
 1994 AE = 2000 NR₁₄
 1994 AK₅ = 2000 EH₁₈₅
 1994 AH₈ = 2000 BB₃₉
 1994 AL₁₀ = 1999 TA₂₄₀
 1994 AF₁₆ = 1998 HW₁₀₄
 1994 CR₁₂ = 2000 KO₂
 1994 CH₁₄ = 1999 TR₂₃₆
 1994 CN₁₇ = 1998 FO₅₀
 1994 EQ₂ = 1989 AO₁ = 1996 TM₅₀
 1994 GB = 1998 UD₄₄
 1994 HW = 1994 JC₂ = 2000 KC₃₅
 1994 JX₁ = 1999 GV₅₀
 1994 JK₃ = 1996 XH₃₀
 1994 LX₃ = 2000 DC₈₄
 1994 PD = 2000 AO₂₄₆
 1994 PT = 1998 FA₁₄₅ = 1999 LJ₃₅
 1994 PD₂ = 2000 BQ₄₉
 1994 PT₃ = 1999 TC₁₄₅
 1994 PE₄ = 1998 VG₄₅
 1994 PV₄ = 1998 XE₃₃
 1994 PX₄ = 1999 TE₂₆₁
 1994 PT₈ = 1999 TO₂₃₈
 1994 PV₈ = 2000 KT₆₀
 1994 PU₁₀ = 1999 TQ₂₃₅
 1994 PX₁₃ = 1992 EY₂₃ = 2000 CP₃
 1994 PR₁₅ = 1999 TF₁₉₉
 1994 PZ₁₅ = 1998 WE₃₄ = 1999 CN₁₃₈
 1994 PH₁₇ = 2000 CB₁₃₂
 1994 PH₂₀ = 2000 ED₁₀₂
 1994 PN₂₀ = 1979 OP₅ = 2000 AC₂₅₄
 1994 PC₂₁ = 1999 TX₂₈₉
 1994 PG₂₆ = 1999 TZ₂₉₂
 1994 PF₂₇ = 1998 VZ₄₉
 1994 PM₃₆ = 1998 VV₂₃
 1994 RM₂ = 2000 AS₂₁₈
 1994 RM₁₂ = 1998 QV₄₉ = 1998 SD₁₆₆ = 2000 AJ₁₇₉
 1994 RW₁₅ = 2000 GK₁₃₄
 1994 ST = 1999 BN₄
 1994 SV₇ = 1999 RF₂₂₂
 1994 SK₁₃ = 1999 RY₂₂₆
 1994 TQ₂ = 1998 UH₃₃
 1994 TD₁₅ = 2000 BL₃₁
 1994 UC₁₀ = 1999 TH₃₀₉
 1994 VS = 1999 GX₅₉
 1994 VG₃ = 1998 UR₃₃
 1994 VW₇ = 1998 UA₄₄
 1994 WV = 2000 HD₉₃
 1994 WA₁ = 1978 NR₅ = 2000 EG₁₇₅
 1994 WS₂ = 1999 GG₅₉
 1994 WB₁₂ = 1992 ET₂₂ = 1999 CK₅₆
 1994 YB₁ = 1999 SF₂₀
 1994 YU₁ = 1999 GU₅₇
 1995 AA = 1999 XJ₂₄₃
 1995 AY₃ = 2000 KA₅₅
 1995 BA₄ = 2000 JU₃₃
 1995 BE₆ = 2000 KO₂₅
 1995 BA₈ = 2000 CF₁₃₈
 1995 BM₁₂ = 2000 ES₁₆₃
 1995 CS₃ = 2000 LM₂₉
 1995 CA₈ = 1999 RU₃₀
 1995 DS₅ = 1999 GQ₆₀
 1995 DX₅ = 1998 VU₅₄
 1995 DS₈ = 1999 GE₄₉
 1995 EM₂ = 1986 TN₃ = 1997 XF₇
 1995 EF₇ = 1997 SN₃₂ = 2000 JP₄₁
 1995 GK₂ = 2000 EF₁₇₈ = 2000 EA₁₈₀
 1995 HD = 1999 CY₉₅
 1995 KN₁ = 2000 KR₈₁
 1995 OR₁ = 2000 KK₃₀
 1995 ON₆ = 1998 KW₁₅
 1995 QC₄ = 1999 XK₂₃₉
 1995 QT₅ = 1999 TR₁₆₀
 1995 QW₅ = 1999 RP₂₂₁
 1995 SE₂ = 1999 VE₂₁₆
 1995 SA₁₅ = 1997 TD₂₃
 1995 SL₂₀ = 1988 VC₁₄ = 1997 GR₄₄ = 2000 AD₂₃₀
 1995 ST₂₄ = 1999 VC₁₄₇
 1995 SD₃₁ = 1998 HM₁₂₃
 1995 SE₃₂ = 2000 NN₂₄

1995 SD₃₆ = 1999 VQ₁₄₁
 1995 TO₁ = 1995 TA₃ = 1999 SN₂₃
 1995 UF₄₂ = 1999 VQ₁₂₃
 1995 VA₅ = 1998 RO₃₃ = 2000 FJ₃₆
 1995 VV₆ = 2000 AA₁₆₁
 1995 VJ₁₁ = 1991 RB₂₈
 1995 VR₁₅ = 1998 KR₂₇
 1995 VH₁₈ = 1999 YO₂₄
 1995 WD = 2000 EP₁₈₄
 1995 WG₉ = 1997 GW₃₃
 1995 WV₉ = 1999 TS₂₉₅
 1995 WA₁₃ = 1999 VK₁₉₄
 1995 XD₃ = 2000 EJ₁₇₉
 1995 YC₁₀ = 1998 UK₃₃ = 2000 CT₄₄
 1996 AB₃ = 1999 YT₂₄
 1996 AH₄ = 2000 JT₈₃
 1996 AN₈ = 2000 GH₁₇₂
 1996 AG₁₀ = 1999 VY₁₆₅
 1996 AO₁₂ = 1998 VS₄₅
 1996 BP₁₁ = 1992 EQ₂₅ = 2000 AV₁₉₁
 1996 CE₂ = 2000 KY₃₇
 1996 DC₁ = 1998 VN₅₄
 1996 DP₂ = 2000 KO₈₀
 1996 DS₂ = 1999 TS₁₆₃
 1996 EK₇ = 2000 DD₁₁₁
 1996 EC₈ = 2000 KV₁₈
 1996 EZ₁₅ = 2000 CF₄₂
 1996 FF₂ = 1997 NH₄ = 1998 XN₇₀
 1996 FQ₂ = 2000 GU₇₇
 1996 GC₁ = 2000 KZ₅₄
 1996 GU₁ = 2000 LK₅
 1996 GD₂ = 1998 VO₁₁ = 2000 CO₃₅
 1996 GF₁₉ = 2000 LW₁₇
 1996 HJ₁₁ = 1996 KN₉ = 1999 FH₂₃
 1996 HO₁₂ = 2000 LE₁₉
 1996 HM₁₃ = 1999 UZ₄₁
 1996 HR₁₅ = 2000 KC₂₁
 1996 HZ₁₆ = 2000 FC₆₇
 1996 HH₂₀ = 1999 CX₅₃
 1996 HV₂₀ = 1999 AS₃₈
 1996 HL₂₁ = 2000 GT₁₆₈
 1996 HM₂₃ = 2000 LY₂₆
 1996 HY₂₃ = 2000 GK₁₃₈
 1996 HZ₂₃ = 2000 JU₇₁
 1996 JL₁ = 2000 GP₁₄₁
 1996 JV₂ = 2000 HY₆₂
 1996 JU₁₂ = 2210 T-2 = 2000 KW₅₇
 1996 KO₅ = 1998 VM₂₄ = 2000 EO₁₁₆
 1996 NM₃ = 1980 FT₈ = 1999 FU₁₃
 1996 PO₁ = 1977 DR₄ = 1977 EG₃ = 1999 CU₅₃
 1996 PQ₂ = 1999 TJ₃₁₀
 1996 PD₉ = 1994 EA₄ = 1997 WU₅₃ = 1999 CB₄₆ = 2000 KS₆₄
 1996 RQ₁₀ = 1999 GM₅₇
 1996 RS₂₁ = 1998 BL₂₁
 1996 RP₃₂ = 1997 TB₂₉
 1996 TZ₁₁ = 2000 LO₂₁
 1996 TZ₁₃ = 2000 NF₂₆
 1996 TE₃₀ = 1998 HM₆₄ = 1999 TT₂₉₅
 1996 TL₄₀ = 1999 HC₄
 1996 TZ₄₇ = 1999 CB₁₀₆
 1996 TT₅₄ = 2000 KK₆₈
 1996 TA₅₅ = 1998 FR₁₆
 1996 TK₆₂ = 2000 KK₃₇
 1996 VM₁₄ = 1999 NB₄₁
 1996 VV₁₉ = 1996 VC₄₁ = 1989 VB₆ = 1999 NF₃₁
 1996 VS₂₇ = 1998 AU₁₀
 1996 VW₂₇ = 1998 DZ₂₁
 1996 VD₂₉ = 1996 VO₄₀ = 1982 DR₅ = 1993 HW₆ = 1998 FW₂₂
 1996 VK₃₇ = 1999 RZ₁₅
 1996 WK₃ = 1998 KN₁₆ = 1999 RO₅₃
 1996 XW₈ = 1978 GY₃ = 2000 LO₅
 1996 XF₁₀ = 1999 RG₆₀
 1996 XG₁₀ = 1999 RP₂₂₉
 1996 XG₁₅ = 1999 TV₁₂₆
 1997 AZ₄ = 1978 VR₁ = 1983 YP = 1998 FC₁₂₉
 1997 AL₁₉ = 1999 TF₂₄₆
 1997 AV₂₀ = 2000 AJ₁₈₇
 1997 AW₂₀ = 1999 XN₁₆₃
 1997 CN₂ = 1999 TZ₁₈₁
 1997 CN₁₂ = 1997 CE₃₀ = 1999 UN₅₁
 1997 CX₂₁ = 1999 SA₂₄
 1997 CZ₂₃ = 1999 VG₁₂₃
 1997 CC₂₈ = 1999 TF₂₅₈
 1997 CE₂₈ = 1998 HN₁₀₀
 1997 CJ₂₈ = 1999 RV₂₂₆
 1997 EU₄ = 1999 YM₁₀
 1997 EH₈ = 1989 SA₁₂ = 1999 NZ₆₃
 1997 EH₁₃ = 1999 TT₁₃₄
 1997 EY₁₆ = 1999 TC₁₂₀
 1997 EG₁₈ = 1999 VS₂₂₃
 1997 EN₂₄ = 1999 XH₁₉₄
 1997 EC₂₅ = 1999 TQ₈₉
 1997 EL₃₄ = 1999 TV₂₅₈
 1997 EP₃₉ = 1999 RL₂₅₂
 1997 EW₄₂ = 1998 HU₁₂₄ = 1999 RZ₄₆
 1997 EX₄₂ = 1990 TQ₅ = 1999 TS₂₇₃
 1997 EL₅₀ = 1998 RN₁₉ = 1999 XF₁₉₆
 1997 FD₅ = 1999 UW₅₄
 1997 GN₁ = 1999 TT₁₆₈
 1997 GC₂ = 1999 XH₂₆₀
 1997 GQ₅ = 1998 QJ₃₈
 1997 GK₁₂ = 1999 TB₂₅₆
 1997 GG₁₇ = 1998 QT₆₆ = 1999 XK₂₁₄
 1997 GB₁₈ = 1998 WA₃₄ = 2000 DV₄₁

1997 GE₂₀ = 1999 RN₈₇
 1997 GC₂₁ = 1999 TK₁₃₇
 1997 GS₂₇ = 1984 BA₆ = 1999 RO₁₂₇
 1997 GV₂₈ = 2000 AD₂₆
 1997 GV₃₂ = 1998 SW₆₉ = 2000 BS₅
 1997 GE₃₄ = 1998 SG₁₉
 1997 HT = 1999 VT₁₀₀
 1997 HV₁₀ = 1999 VK₁₈₈
 1997 HB₁₃ = 1999 TE₂₉₈
 1997 HZ₁₃ = 1998 SX₁₂₄
 1997 KT₃ = 1998 QK₅₀
 1997 LL₉ = 1994 RQ₃ = 2000 DY₁₈
 1997 LV₁₀ = 1996 AU₁₀
 1997 MC₄ = 2000 GW₁₅₃
 1997 MK₅ = 2000 HU₄₃
 1997 NM₁ = 2000 KA₂₄
 1997 ND₃ = 1997 OS₁ = 2000 AJ₂₅₂
 1997 NO₄ = 1985 BA₂ = 1999 TO₁₀₂
 1997 NY₅ = 1998 XN₃₅
 1997 PK₃ = 2000 DQ₈₉
 1997 QC₃ = 2000 NU₄
 1997 RP₁ = 1986 TR₁₂
 1997 RR₅ = 1997 SK₅ = 2000 JJ₈₆
 1997 RV₁₀ = 1999 BB₂₈
 1997 SF₁₈ = 1999 BU₃₄
 1997 SE₁₉ = 2000 KA₂₀
 1997 SR₁₉ = 2000 BW₄₁
 1997 SH₃₀ = 2000 GR₁₈
 1997 TB = 2000 KR₄₈
 1997 TP₂₇ = 2000 ED₁₀₁
 1997 UA₈ = 1999 FX₄₈
 1997 UE₁₂ = 1992 UA₇ = 2000 FZ
 1997 UL₁₆ = 2000 AU₂₅₄
 1997 UT₁₇ = 1995 HW
 1997 UL₂₄ = 1972 RK = 2000 GK₁₈₀
 1997 VC₈ = 1987 DE₃ = 1997 WR₄₇ = 1997 XZ₁₃ = 1999 GX₅₀
 1997 WF₃ = 2000 MX₂
 1997 WD₁₀ = 1994 CD₂₀ = 1998 DV₁₀
 1997 WN₁₂ = 1999 EH₁₃ = 2000 LO₂₈
 1997 WN₂₈ = 2000 KA₁₁
 1997 WO₃₄ = 2000 LN₁₁
 1997 WB₃₉ = 1999 FF₅₆
 1997 WT₃₉ = 1986 WY₂ = 2000 KK₆
 1997 WT₄₁ = 1989 AZ₂ = 1999 FE₉
 1997 WA₄₂ = 1999 GP₄₀
 1997 WV₅₃ = 1999 JQ₁₀₁
 1997 WN₅₆ = 1978 WX₈ = 2000 KA₃₂
 1997 XV₇ = 2000 MD₁
 1997 YU₁ = 1993 OK₂ = 2000 NY₂
 1997 YY₃ = 2000 LC₃₆
 1997 YN₅ = 2000 KM₇₇
 1997 YR₇ = 2000 NC₂₅
 1997 YU₇ = 2000 NW₂₃
 1997 YL₁₆ = 2000 NU₃
 1997 YP₁₆ = 1984 WR₃
 1997 YV₁₆ = 2000 MQ₆
 1998 AZ₂ = 1999 JA₅₂
 1998 AN₆ = 2000 KS₇₉
 1998 BX₄ = 2000 GX₃₅
 1998 BR₅ = 1996 VO₂₆
 1998 BY₆ = 1999 KA₉
 1998 BZ₉ = 1999 GL₄₈
 1998 BU₁₅ = 1999 JW₁₀₄
 1998 BF₂₂ = 1999 RU₁₃₅
 1998 BS₂₃ = 1977 UJ₄
 1998 BV₂₉ = 2000 KA₇₈
 1998 CL₄ = 1980 RX₇ = 2000 NN₂₇
 1998 DH₃₃ = 1989 VV₁ = 1999 LD₂₀
 1998 FS₁ = 1999 TM₂₃₅
 1998 FL₂ = 1999 TC₂₈₂
 1998 FM₂ = 1999 TD₃₁₅
 1998 FG₁₄ = 1999 TX₃₁₂
 1998 FD₁₇ = 1999 NA₆₁
 1998 FH₁₈ = 1999 NY₃₄
 1998 FJ₂₈ = 1999 RL₅₈
 1998 FW₃₆ = 1999 SP₁₇
 1998 FM₄₄ = 1999 RE₂₅₂
 1998 FW₄₅ = 1999 ND₃₆
 1998 FY₅₂ = 1996 TS₆₁
 1998 FS₆₄ = 1999 TK₂₉₄
 1998 FU₇₁ = 1999 SA₂₁
 1998 FZ₈₅ = 1999 RK₂₂₁
 1998 FW₁₀₁ = 1999 TO₂₄₉
 1998 FP₁₀₈ = 1999 TN₂₈₆
 1998 FV₁₀₉ = 1999 TU₂₇₂
 1998 FJ₁₁₅ = 1999 TP₁₆₅
 1998 FS₁₁₆ = 1999 TJ₂₂₂
 1998 FP₁₁₇ = 1999 RP₂₅₂
 1998 FF₁₂₅ = 1987 HO₁ = 1999 RS₂₂₉
 1998 FB₁₄₁ = 1995 UK₁₈
 1998 HJ₂ = 1999 XV₁₀₉
 1998 HJ₇ = 1999 YP₁₄
 1998 HD₂₃ = 1999 SR₁₇
 1998 HK₂₆ = 1972 TS₁₀ = 1999 TP₂₉₀
 1998 HE₅₂ = 1990 TW₁₃ = 1993 HQ₆ = 1999 RS₄₈
 1998 HK₅₄ = 1999 NC₆₂
 1998 HK₅₇ = 1999 RT₂₂₅
 1998 HE₆₀ = 1981 UR₈ = 1999 RA₁₀₀
 1998 HY₆₁ = 1999 RV₂₁₇
 1998 HO₆₂ = 1999 VN₁₈₃
 1998 HQ₆₃ = 1999 RB₉₄
 1998 HS₇₈ = 1999 TD₂₅₆
 1998 HF₇₉ = 1999 NO₆₄
 1998 HQ₈₁ = 1999 RC₂₁₇

1998 HD₈₂ = 1996 XK₂₅ = 1999 TM₂₉₀
 1998 HG₉₀ = 1991 EP₇ = 1999 TK₂₅₁
 1998 HU₉₀ = 2000 AE₇₁
 1998 HG₉₂ = 1999 TD₁₃₂
 1998 HV₉₂ = 1999 TQ₃₁₈
 1998 HU₉₆ = 1980 FM₂ = 1981 VV₁ = 1999 XS₁₅₅
 1998 HC₁₀₆ = 1999 TV₉₉
 1998 HD₁₁₀ = 1990 WK₄
 1998 HW₁₂₀ = 1999 RP₂₃₃
 1998 HQ₁₂₁ = 1999 TT₂₄₀
 1998 HR₁₂₂ = 1999 TM₂₄₂
 1998 HB₁₂₄ = 1999 TM₉₈
 1998 HC₁₂₄ = 1999 QY₂
 1998 HM₁₂₄ = 1999 TP₁₀₆
 1998 HN₁₂₄ = 1976 QS₁ = 1991 ER₅ = 2000 AP₇₄
 1998 HE₁₂₅ = 1999 NB₂₇
 1998 HH₁₂₆ = 1999 SN₂₀
 1998 HP₁₃₀ = 1999 VU₂₁₆
 1998 HM₁₃₄ = 1999 NM₂₇
 1998 HL₁₄₃ = 1999 TY₉₀
 1998 HC₁₄₈ = 1999 TZ₂₅₇
 1998 HQ₁₅₀ = 1994 AN₁₁
 1998 JP = 1999 XQ₂₃₆
 1998 KP₂ = 1999 VP₂₀₅
 1998 KH₆ = 1999 XA₉
 1998 KJ₈ = 1982 HK₂
 1998 KV₁₂ = 1999 NX₆₁
 1998 KQ₁₉ = 1989 TR₁₆ = 2000 AT₇₀
 1998 KT₁₉ = 1999 TB₂₀₂
 1998 KK₂₁ = 1999 RU₁₁₇
 1998 KT₂₂ = 1999 RT₂₃₅
 1998 KL₃₃ = 1999 TF₂₉₂
 1998 KL₃₆ = 1999 TD₂₄₉
 1998 KS₃₇ = 1999 TY₁₄₁
 1998 KY₃₇ = 2016 T-1 = 1999 RV₁₆₀
 1998 KB₃₈ = 1999 TQ₂₅₇
 1998 KR₄₃ = 1999 XE₂₄₄
 1998 KS₄₄ = 2000 AF₂₃₄
 1998 KZ₄₅ = 1999 TT₂₈₇
 1998 KL₄₆ = 1999 XT₂₄₇
 1998 KU₄₈ = 1982 BM₈ = 1991 NA₅ = 1999 SY₇
 1998 KC₅₀ = 1987 LD = 1999 SA₆
 1998 KE₅₀ = 1978 NL₄ = 1989 UT₇
 1998 KN₅₁ = 1999 SR₂₆
 1998 KQ₅₂ = 1999 TP₂₂₃
 1998 KD₆₃ = 1999 TC₁₅₉ = 1999 TM₂₁₁
 1998 MO₈ = 2000 AK₇₄
 1998 MP₁₁ = 1995 UR₁₄
 1998 MC₁₇ = 1994 XA₆ = 1999 SM₁₄
 1998 MS₂₂ = 1999 TA₁₀₂
 1998 MT₂₉ = 1998 MX₄₂ = 1999 TG₉₉
 1998 MF₃₀ = 1999 TO₉₉
 1998 MV₃₁ = 1999 YG₂₃
 1998 MH₃₄ = 2000 BT₃₄
 1998 OM₃ = 1999 VD₂₁₉
 1998 OZ₇ = 2000 AW₁₇₁
 1998 OU₁₀ = 2000 CW₄
 1998 OS₁₄ = 1987 SJ₂₄
 1998 QB₇ = 2000 AL₇₃
 1998 QB₈ = 2000 AO₁₀₉
 1998 QV₈ = 2000 AA₇₇
 1998 QL₁₀ = 1994 RJ₂₂
 1998 QZ₁₀ = 2000 AL₁₃
 1998 QM₁₂ = 2000 AM₁₇₁
 1998 QK₁₈ = 1991 PE₁₃ = 1991 RC₄₂ = 2000 AW₃₅
 1998 QU₂₄ = 1991 RA₃₄ = 2000 AJ₁₆₃
 1998 QC₃₀ = 1999 XR₂₃₆
 1998 QV₃₁ = 1999 XP₁₅₉
 1998 QH₃₃ = 2000 CJ₁₂₀
 1998 QT₃₄ = 2000 BS₃₄
 1998 QC₃₇ = 2000 AA₂₁₇
 1998 QO₄₁ = 2000 CV₁₂₁
 1998 QH₄₅ = 2000 AD₁₆₉
 1998 QQ₄₇ = 2000 CQ₁₁₀
 1998 QP₅₀ = 2000 DJ₁₁₆
 1998 QU₅₄ = 2000 CB₁₂₀
 1998 QG₅₅ = 2000 FL₆₈
 1998 QR₅₉ = 2000 CC₁₁₆
 1998 QN₆₂ = 1997 EP₄₈ = 2000 AM₁₇₈
 1998 QU₆₂ = 2000 BV₃₅
 1998 QY₆₃ = 1999 VG₂₀₃
 1998 QC₆₄ = 1993 RE₈ = 1999 US₅₇
 1998 QF₆₄ = 2000 AP₁₁₉
 1998 QP₆₇ = 2000 CA₄₄
 1998 QY₆₇ = 2000 AC₁₀₄
 1998 QQ₆₈ = 2000 AE₂₀₁
 1998 QW₆₈ = 1978 WF₈ = 2000 CJ₅₅
 1998 QY₆₈ = 1976 YB₇ = 2000 AO₂₃₄
 1998 QH₆₉ = 2000 AS₂₁₅
 1998 QH₇₀ = 2000 AL₁₆₉
 1998 QT₇₀ = 1999 XK₂₄₈
 1998 QG₇₅ = 2000 CQ₄₂
 1998 QJ₇₆ = 2000 AU₁₇₄
 1998 QU₇₆ = 1994 NP₁₀
 1998 QA₇₇ = 2000 AL₁₄
 1998 QB₇₈ = 1982 BO₁₀
 1998 QX₇₈ = 1999 TT₂₉₁
 1998 QD₈₀ = 1999 XS₈₁
 1998 QN₈₀ = 1991 LU₂ = 2000 AB₁₈₂
 1998 QU₈₂ = 2000 AR₁₇₈
 1998 QZ₈₂ = 1999 XO₁₈₁
 1998 QJ₈₇ = 1998 QR₉₆ = 2000 CK₁₂₁
 1998 QN₈₇ = 2000 AU₁₄₉
 1998 QW₈₇ = 2000 CN₁₀₈

1998 QF₈₈ = 1999 XT₂₀₈
 1998 QM₈₈ = 2000 ER₁₉₉
 1998 QG₈₉ = 2000 CM₁₁₂
 1998 QU₈₉ = 2000 AL₂₄₀
 1998 QD₉₄ = 2000 AZ₁₇₈
 1998 QK₁₀₂ = 2000 BN₄₉
 1998 QS₁₀₅ = 2000 CU₁₂₄
 1998 RW₂ = 2000 CL₁₃₇
 1998 RB₅ = 2000 CL₁₂₁
 1998 RQ₆ = 1999 XT₁₆₇
 1998 RL₈ = 2000 CO₁₂₈
 1998 RY₁₅ = 2000 GA₁₈₂
 1998 RC₁₇ = 2000 FB₁₄
 1998 RO₁₈ = 1997 LA₂
 1998 RR₁₈ = 2000 CL₁₁₇
 1998 RR₁₉ = 1999 XD₉₁
 1998 RY₁₉ = 2000 CA₁₀₂
 1998 RC₂₃ = 2000 AP₁₈₃
 1998 RK₂₄ = 1999 XD₂₁₃
 1998 RG₂₆ = 1999 XB₁₆₂
 1998 RH₂₇ = 1999 WM₂₀ = 2000 AT₁₆₉
 1998 RU₂₈ = 2000 AZ₂₁
 1998 RJ₃₁ = 1999 TU₂₁₀
 1998 RN₃₃ = 1995 WP₁₆ = 1999 XB₁₇₄
 1998 RJ₃₄ = 1993 FF₆₁ = 1999 XB₂₀₁
 1998 RL₃₄ = 1998 TD₃₀ = 2000 EE₁₇₅
 1998 RB₃₇ = 2000 CZ₄₄
 1998 RL₃₇ = 2000 BM₃₉
 1998 RM₃₈ = 2000 AU₁₇₅
 1998 RS₃₉ = 1989 TC₁₅
 1998 RH₄₁ = 1999 XC₁₉₈
 1998 RN₄₁ = 2000 EF₁₄₂
 1998 RN₄₆ = 2000 CO₁₃₈
 1998 RA₄₈ = 2000 CM₁₃₁
 1998 RA₄₉ = 1994 SQ₉
 1998 RY₅₃ = 2000 BC₃₅
 1998 RX₅₈ = 2000 CK₁₃₅
 1998 RY₅₈ = 2000 CF₁₂₁
 1998 RD₅₉ = 1998 YO₃₀ = 1978 EL = 1989 SU₁₁ = 2000 CZ₁₀₆
 1998 RD₆₀ = 1997 JK = 1998 TJ₃₅
 1998 RR₆₀ = 2000 GP₁₇₃
 1998 RW₆₃ = 1987 HT₂ = 2000 CO₅
 1998 RF₆₅ = 2000 GY₁₈₂
 1998 RN₇₂ = 1999 YT₂₂
 1998 SW₁₉ = 2000 CL₁₃₁
 1998 SY₂₀ = 2000 EC₁₉₁
 1998 SB₂₂ = 2000 DD₁₁₆
 1998 SP₂₃ = 2000 EZ₁₇₄
 1998 SB₂₄ = 2000 FT₆₂
 1998 SM₂₆ = 2000 BW₄₇
 1998 SU₄₃ = 1983 RG₆ = 1994 PH₂ = 2000 EM₁₀₆
 1998 SV₄₉ = 2000 AF₇

1998 SB₅₅ = 2000 EV₁₈₆
 1998 SC₅₇ = 2000 AE₂₅₄
 1998 SM₅₇ = 2000 CW₁₁₁
 1998 SL₅₉ = 1999 XR₂₆₀
 1998 SE₆₁ = 1983 GF₂ = 2000 AV₁₆₅
 1998 SH₆₁ = 2000 CF₁₄
 1998 SA₆₂ = 2000 CF₅₄
 1998 SK₆₂ = 2000 AJ₂₀₇
 1998 SF₆₃ = 2000 EH₁₇₄
 1998 SX₆₃ = 2000 CA₁₂₅
 1998 SR₆₅ = 1990 QX₁₁
 1998 SO₆₇ = 2000 DS₁₁₃
 1998 SE₆₈ = 2000 AY₁₇₃
 1998 SU₆₈ = 2000 AJ₂₄₄
 1998 SQ₇₄ = 2000 AU₆₂
 1998 SD₇₅ = 1989 XZ
 1998 ST₇₇ = 1998 RC₆₃ = 1998 SB₁₆₆ = 2000 EF₁₂₅
 1998 SD₇₉ = 1993 FS₅₂
 1998 SW₈₁ = 2000 GZ₁₁₈
 1998 ST₈₂ = 2000 CS₆₂
 1998 SV₈₂ = 1988 VZ₅ = 1993 TY₅ = 2000 AY₁₇₅
 1998 SZ₈₄ = 2000 AM₅₅
 1998 SG₉₈ = 1990 WU
 1998 SG₁₀₀ = 1996 HG₂ = 2000 CL₃
 1998 SH₁₀₀ = 1999 XF₁₉₅
 1998 SK₁₀₂ = 2000 EZ₈₃
 1998 SC₁₀₄ = 1999 XD₂₁₆
 1998 SQ₁₀₇ = 1999 XF₂₂₀
 1998 SU₁₀₇ = 2000 EL₁₆₁
 1998 SW₁₀₇ = 2000 DV₈₉
 1998 SS₁₀₈ = 2000 DY₃₀
 1998 SF₁₀₉ = 1994 NZ₁₀ = 2000 JK₇₄
 1998 SU₁₁₀ = 2000 GR₁₇₅
 1998 SE₁₁₂ = 2000 AO₂₄₉
 1998 SK₁₁₇ = 2000 ET₁₈₆
 1998 SA₁₂₃ = 2000 BD₄₈
 1998 SU₁₂₃ = 2000 HF₁₀₀
 1998 SH₁₂₇ = 2000 EK₁₆₉
 1998 SN₁₂₇ = 2000 FN₁₆
 1998 SF₁₂₈ = 1997 ML₇
 1998 SN₁₃₂ = 1987 QM₄ = 2000 AW₁₅₆
 1998 SS₁₄₄ = 1992 SD = 1999 XP₂₀₅
 1998 SU₁₅₃ = 2000 AM₂₇
 1998 SF₁₅₇ = 2000 BM₂₃
 1998 SR₁₆₃ = 1996 EO₃
 1998 TG₇ = 2000 EQ₁₉₁
 1998 TB₁₇ = 2000 DP₂₇
 1998 TJ₂₂ = 2000 DJ₁₁₄
 1998 TR₂₂ = 3511 T-3 = 2000 DB₄₅
 1998 TK₂₃ = 2000 GW₂₁
 1998 TB₃₂ = 2000 CY₇₅
 1998 TB₃₄ = 1991 PS₃

1998 TX₃₄ = 1997 HA₁₃
 1998 UZ₁₆ = 2000 KE₆₈
 1998 UJ₂₁ = 2000 AW₁₁₆
 1998 UT₂₁ = 2000 BE₂₄
 1998 UQ₂₃ = 2000 AQ₁₉₈
 1998 UK₂₄ = 2000 AN₂₇
 1998 UO₂₅ = 2000 JD₈₇
 1998 UV₂₅ = 2000 EK₁₉₇
 1998 UJ₂₇ = 2000 CK₅₅
 1998 UY₃₀ = 2000 CU₉
 1998 UX₃₂ = 1997 CH₆
 1998 UY₃₂ = 2000 FE₅₈
 1998 UC₃₃ = 2000 CP₉₅
 1998 UN₄₀ = 1998 QU₉₁
 1998 UL₄₃ = 1994 XX₅
 1998 UR₄₄ = 1993 FE₅₃ = 2000 GD₆₆
 1998 VB₃ = 1983 VO₅ = 2000 BU₃₂
 1998 VD₃ = 2000 GY₁₆₆
 1998 VN₇ = 1971 KW = 1999 XU₁₉₅
 1998 VP₇ = 2000 EA₁₁₈
 1998 VF₁₀ = 2000 HU₇₃
 1998 VE₁₂ = 1934 GH = 1997 LL₃
 1998 VL₁₃ = 2000 EB₁₇₉
 1998 VK₁₇ = 1994 RE₅
 1998 VN₁₈ = 2000 GF₁₄₅
 1998 VN₁₉ = 1998 UY₄₇ = 1988 AD₄ = 2000 JY₁₆
 1998 VV₁₉ = 2000 AD₁₆₇
 1998 VK₂₁ = 1999 XR₁₈₀
 1998 VP₂₃ = 1996 HG₁₀ = 2000 AX₁₉₈
 1998 VY₂₃ = 1979 SM₁₄ = 2000 DF₈₁
 1998 VJ₂₄ = 1993 FX₅₈
 1998 VP₂₅ = 2000 EN₁₂₉
 1998 VD₂₆ = 2000 AP₂₀₁
 1998 VA₃₀ = 1983 VS₆ = 2000 GG₁₇₅
 1998 VB₃₇ = 2000 AM₈₈
 1998 VV₃₇ = 1999 XC₂₀₆
 1998 VL₃₉ = 1998 UU₄₇ = 1981 UT₂₄ = 1999 XG₁₇₉
 1998 VU₄₅ = 1987 SA₁₃ = 1997 KM₁ = 2000 EE₁₇₂
 1998 VN₅₂ = 2000 FG₅₆
 1998 VO₅₄ = 2000 GG₁₅₂
 1998 WU = 2000 ED₂₀₀
 1998 WB₉ = 2000 GX₁₆₃
 1998 WU₉ = 2000 CD₁₁₃
 1998 WK₁₁ = 1994 XS₂ = 1999 XZ₁₆₄
 1998 WU₁₁ = 1980 TD₁ = 1996 BW = 2000 ER₈₀
 1998 WL₁₃ = 2000 AZ₁₉₈
 1998 WB₁₅ = 2000 EQ₁₈₀
 1998 WP₁₇ = 1991 RG₁₆
 1998 WR₁₇ = 1997 ME₁₂ = 2000 GJ₁₀₁
 1998 WN₁₈ = 2000 JP₆₂
 1998 WB₂₁ = 1997 HW₁₀
 1998 WY₂₁ = 1996 JO₆ = 2000 KU₁₇
 1998 WD₂₉ = 1992 EZ₃₁ = 2000 EB₁₁₆
 1998 WX₃₇ = 2000 GJ₆
 1998 XZ = 1979 MV₅ = 2000 DD₅₈
 1998 XP₈ = 2000 CE₁₃₆
 1998 XZ₉ = 1993 FF₁₅
 1998 XF₁₃ = 2000 AH₁₆₁
 1998 XJ₁₅ = 2000 GR₁₆₇
 1998 XW₂₄ = 2000 CE₁₃₀
 1998 XM₂₇ = 2000 HW₈₄
 1998 XQ₂₈ = 2000 DT₂₈
 1998 XY₃₄ = 1992 CK₈ = 2000 JY₃₈
 1998 XK₃₆ = 2000 JK₆₃
 1998 XN₄₅ = 2000 GK₁₅₈
 1998 XL₅₁ = 1991 RH₁₈ = 1993 FC₇₀
 1998 XM₅₂ = 2000 EO₁₇₃
 1998 XH₆₂ = 1990 WC₆
 1998 XC₆₃ = 1995 AC₄ = 2000 JO₈₆
 1998 XT₆₅ = 1977 XS₁ = 1996 HW₂
 1998 XV₇₀ = 2000 GD₁₆₈
 1998 XF₇₈ = 1981 WK₃ = 2000 GN₁₆₇
 1998 XL₇₈ = 2000 LL₁₅
 1998 XD₈₁ = 2000 LC₁₅
 1998 XV₈₆ = 2000 HW₃₆
 1998 XK₈₇ = 2000 LO₉
 1998 XN₈₉ = 1999 BQ₂₁ = 2000 JG₈₂
 1998 XY₉₂ = 1958 XD = 2000 GJ₁₇₃
 1998 XW₉₆ = 2000 NO₁₁
 1998 XB₉₉ = 2000 JB₇₁
 1998 YV₃ = 2000 EP₁₈₆
 1998 YZ₃ = 1986 WL₅ = 2000 JV₈₁
 1998 YU₅ = 1988 CA₄
 1998 YD₈ = 2000 HX₄₁
 1998 YP₁₀ = 1987 KW₁
 1998 YK₁₂ = 2000 MS₂
 1999 AU = 1986 RZ₉
 1999 AP₈ = 2000 KE₇₈
 1999 AV₁₇ = 2000 JD₇₈
 1999 AW₁₉ = 1996 RA₃ = 2000 GH₁₁₁
 1999 AN₂₀ = 2000 HA₉₂
 1999 AJ₂₁ = 2000 FF₆₀
 1999 AW₂₁ = 2000 LK₃₁
 1999 AB₂₃ = 2000 MP₆
 1999 AK₂₃ = 2000 GP₉₂
 1999 AL₃₁ = 1989 TP₁₂ = 2000 KH₆₀
 1999 AT₃₂ = 2000 GY₁₆₄
 1999 AC₃₄ = 2000 KG₉
 1999 AJ₃₄ = 2000 NF₁
 1999 AM₃₄ = 2000 MZ₂
 1999 AN₃₇ = 1996 HL₁₃
 1999 AV₃₇ = 2000 KS₆₂
 1999 BK₅ = 2000 NQ
 1999 BT₁₁ = 1999 EX₃ = 2000 NA₂₄

1999 BC₁₂ = 2000 NR₂₂
 1999 BP₁₅ = 2000 KW₇₉
 1999 BM₁₇ = 2000 GW₁₅₈
 1999 BA₁₉ = 2000 JZ₇₄
 1999 BM₂₂ = 2000 HQ₇₃
 1999 BQ₂₃ = 2000 LF₂₃
 1999 BB₂₅ = 1970 AJ₁ = 1996 EA₁₆
 1999 BH₂₅ = 2000 KT₂₄
 1999 BJ₂₅ = 1976 UD₁₈ = 1996 KN₅
 1999 BY₂₇ = 1992 FC₄ = 2000 GH₁₀₈
 1999 BZ₃₁ = 2000 HN₈₅
 1999 CO = 2000 LC₃₀
 1999 CJ₁ = 2000 KM₇₆
 1999 CY₁₂ = 2000 LZ₃
 1999 CA₁₈ = 1996 FT₁₇
 1999 CE₂₀ = 2000 KY₁₇
 1999 CG₂₀ = 2000 HN₈₀
 1999 CF₂₂ = 2000 HU₄₁
 1999 CG₂₂ = 2000 JJ₃₀
 1999 CM₂₂ = 2000 HL₁₀₃
 1999 CW₂₂ = 2000 ML₂
 1999 CM₂₃ = 2000 KO₁₆
 1999 CH₃₁ = 1992 SY₂₀
 1999 CJ₃₂ = 2000 KL₄₇
 1999 CD₃₃ = 1988 FP₃ = 2000 MP₁
 1999 CT₃₅ = 1990 WP₆
 1999 CJ₃₆ = 1997 RR
 1999 CT₃₆ = 1987 UP₃ = 2000 KL₄₅
 1999 CG₃₇ = 1981 AT₂ = 1997 WB₁₁
 1999 CW₃₇ = 2000 KH₁₇
 1999 CM₄₃ = 1977 CH₂
 1999 CR₄₄ = 1980 WH₃
 1999 CZ₄₄ = 2000 KS₄₇
 1999 CJ₄₅ = 1961 TY = 1979 WQ₄ = 1986 RX₆
 1999 CV₄₅ = 2000 KJ₅₉
 1999 CR₄₉ = 2000 KB₃₃
 1999 CH₅₃ = 1976 JZ₉
 1999 CR₅₄ = 1997 WZ₄₆ = 2000 NB₅
 1999 CD₅₅ = 2000 LE₁₇
 1999 CR₅₆ = 2000 LB₁₇
 1999 CS₆₀ = 2000 KB₂₈
 1999 CR₆₁ = 1980 TE₃ = 1987 UG₅
 1999 CL₆₂ = 1992 QZ₁
 1999 CH₆₃ = 1983 HA = 1988 TK₃ = 2000 GY₈₃
 1999 CQ₆₃ = 1976 UK₁₃ = 2000 KJ₃₄
 1999 CU₆₃ = 1996 OG₂
 1999 CK₆₅ = 1986 TV₂ = 2000 LT₁
 1999 CL₆₅ = 1991 RS₃₅ = 1997 WN₅₀ = 2000 JE₂₀
 1999 CJ₆₈ = 1993 RD₂₀
 1999 CV₆₉ = 1997 UU₂₂ = 2000 KU₇₃
 1999 CM₇₀ = 1975 HJ = 1991 CK₆ = 2000 LW₂₀
 1999 CH₇₃ = 2000 NN₂₈
 1999 CM₇₄ = 2000 NG₉
 1999 CQ₇₄ = 2000 LX₂₈
 1999 CC₇₅ = 1980 XD₃ = 2000 JB₅₁
 1999 CQ₇₅ = 2000 LQ₉
 1999 CC₈₀ = 1991 RW₂₉ = 1997 WR₄₃
 1999 CZ₈₂ = 1992 HP
 1999 CC₈₃ = 2000 JV₁₅
 1999 CQ₈₃ = 2000 GY₁₄₁
 1999 CL₈₄ = 1997 SP₃₀
 1999 CP₈₄ = 2000 JF₈₂
 1999 CG₈₇ = 1977 EU₆
 1999 CQ₈₇ = 2000 KP₂₀
 1999 CU₉₂ = 1997 SM₂ = 2000 KS₂₂
 1999 CV₉₂ = 1990 WF₈ = 1990 WP₁₁ = 2000 KL₃
 1999 CY₉₆ = 2000 KZ₇₄
 1999 CO₉₈ = 2000 NU₁₅
 1999 CN₁₀₁ = 2000 KH₈
 1999 CS₁₀₃ = 1996 FV₁₈ = 2000 LL₃₂
 1999 CG₁₀₄ = 1989 CA₅
 1999 CK₁₀₄ = 2000 JJ₈₃
 1999 CQ₁₀₄ = 2000 NQ₂₀
 1999 CZ₁₀₄ = 1996 HN₄
 1999 CB₁₀₅ = 2000 KE₆₄
 1999 CM₁₀₆ = 2000 JW₄₇
 1999 CO₁₀₆ = 2000 KE₄₇
 1999 CP₁₀₆ = 1989 SF₉
 1999 CE₁₀₉ = 1996 MS₁
 1999 CT₁₁₁ = 2000 JL₄₇
 1999 CD₁₁₂ = 1997 WY₈ = 2000 LX₃₃
 1999 CE₁₁₂ = 2000 NQ₁₀
 1999 CY₁₁₉ = 1992 GV = 1997 RS₇
 1999 CO₁₂₀ = 2000 JT₉
 1999 CB₁₂₄ = 2000 HU₈₉
 1999 CD₁₂₈ = 2000 KY₃₂
 1999 CU₁₂₈ = 2000 LE₂₇
 1999 CO₁₃₃ = 2000 KT₂₉
 1999 CZ₁₃₆ = 2000 GH₁₅₆
 1999 CO₁₃₇ = 2000 GL₅₃
 1999 CQ₁₃₇ = 1996 SE₇
 1999 CE₁₄₉ = 2000 NG₂₀
 1999 CE₁₅₀ = 2000 LU₃₄
 1999 DF₇ = 1993 TM₃₃
 1999 EJ₂ = 1953 EH₂
 1999 ER₅ = 2000 KW₄₇
 1999 EU₅ = 1989 EP₁₀
 1999 ED₁₂ = 1992 AM₂
 1999 FD₄ = 2000 NK₁₁
 1999 FM₆ = 1982 VL₅ = 2000 KE₅₇
 1999 FD₇ = 2000 NC₈
 1999 FC₉ = 1990 RK₁₃ = 2000 KD₅₇
 1999 FJ₁₉ = 1987 DY₃
 1999 FJ₂₂ = 2000 JV₄₇

1999 FL₂₄ = 1999 EM₉ = 2000 NQ₂₁
 1999 FO₂₄ = 1999 GD₅₀ = 1982 JP₁ = 1997 UQ₂₀
 1999 FZ₂₄ = 2000 LB₁₄
 1999 FQ₂₅ = 1989 YX₄ = 1996 SA
 1999 FZ₂₅ = 1999 GQ₅₁ = 1996 RF₉
 1999 FE₂₆ = 1999 GP₅₁ = 1996 TK₄₉
 1999 FL₂₆ = 1995 DY₁₁
 1999 FN₂₆ = 1990 HM₄ = 1996 TF₃₉
 1999 FN₂₇ = 1978 RB₁₇ = 1981 FV = 2000 NO₆
 1999 FS₂₇ = 2000 NS₂
 1999 FJ₃₀ = 1989 AB₉ = 2000 NJ₅
 1999 FE₃₃ = 1992 HT
 1999 FM₃₃ = 1998 BS₁₉
 1999 FP₃₃ = 1980 PW₁ = 1991 VG₁₅
 1999 FT₃₃ = 1994 CC₂₀
 1999 FG₃₆ = 1989 GY₃
 1999 FS₃₇ = 1979 GJ
 1999 FF₃₈ = 2000 KG₆₅
 1999 FG₃₉ = 1996 HY₁₃
 1999 FF₄₁ = 1978 RM₁₅ = 1997 TN₂₂
 1999 FH₄₁ = 1995 DX₁₁
 1999 FM₄₁ = 1993 OO₁₃
 1999 FM₄₄ = 1996 TB₅₁
 1999 FV₄₄ = 1990 QB₁₈ = 1996 FG₂₀ = 2000 LQ₁₂
 1999 FS₄₅ = 1996 FM₂₁
 1999 FX₄₅ = 2000 LR₂₆
 1999 FZ₄₅ = 1997 UG₂₀
 1999 FW₅₀ = 2000 LM₁₇
 1999 FS₅₁ = 1984 WG₅ = 1987 KO₄ = 1992 QP₂
 1999 FU₅₅ = 1982 VL₁ = 1997 WC₄₂
 1999 FX₅₆ = 1976 UT₁₃ = 1992 YF₄
 1999 FH₅₇ = 2000 LT₂₅
 1999 FF₅₉ = 1989 XS₂ = 2000 KQ₅
 1999 GT₅ = 2000 NN₁₁
 1999 GA₈ = 1989 ED₆ = 1997 SV₈
 1999 GG₉ = 1997 WN₄₁
 1999 GA₁₄ = 1994 JF₅
 1999 GX₁₆ = 1981 EY₄₈
 1999 GL₁₇ = 1980 YV = 2000 NV₂
 1999 GH₁₉ = 2000 LN₃₃
 1999 GV₁₉ = 1996 RQ₄
 1999 GX₂₄ = 1997 WX₄₇
 1999 GJ₂₆ = 2000 NF₃
 1999 GL₂₈ = 2000 LB₃₀
 1999 GF₃₀ = 1997 WL₂₈
 1999 GY₃₁ = 1997 WJ₂₅
 1999 GB₃₄ = 1997 XM₁₂
 1999 GE₃₄ = 2000 ND₂₈
 1999 GX₃₄ = 1990 RZ₁₇
 1999 GU₃₅ = 2000 LC₂₃
 1999 GX₃₆ = 1990 EH₃
 1999 GD₃₉ = 1961 CZ

1999 GA₄₀ = 1996 SD₃
 1999 GB₄₀ = 1992 EF₁₁
 1999 GQ₄₀ = 1997 WM₃₄
 1999 GS₄₁ = 2000 KJ₅
 1999 GJ₄₂ = 1998 BY₁₀
 1999 GX₄₅ = 1996 XE₃₃
 1999 GA₄₇ = 1983 CQ₈ = 1991 TR₁₁
 1999 GB₄₈ = 1996 RM₁₁ = 1997 WK₄₃ = 2000 KR₂₅
 1999 GN₅₀ = 1992 EK₂₃
 1999 GL₅₃ = 1992 RK₆
 1999 GP₅₃ = 1987 BO₃ = 1990 SU₁₁ = 2000 LC₁₄
 1999 JO₃ = 1981 RM₆
 1999 JQ₉ = 2000 OC
 1999 JQ₁₀ = 2000 NJ₂₄
 1999 JO₁₂ = 2000 LJ₃₀
 1999 JG₁₈ = 1976 JG₁₀ = 1978 UP₇ = 1980 BT₁
 1999 JS₁₈ = 1989 RH₅ = 1989 SN₈
 1999 JX₁₉ = 1980 RF₈
 1999 JE₂₁ = 2000 NR₂₇
 1999 JF₂₁ = 1979 WG₄
 1999 JC₂₂ = 2000 KG₆₈
 1999 JC₂₄ = 1988 XF₄
 1999 JB₂₆ = 2000 LG₁₂
 1999 JQ₃₉ = 1980 TO₂
 1999 JQ₄₂ = 1996 TD₄₈
 1999 JP₄₉ = 1988 FX = 1996 VP₃₈
 1999 JS₅₂ = 2000 NH₂₆
 1999 JT₅₃ = 1991 LL₅
 1999 JH₆₁ = 2000 LN₃₀
 1999 JV₇₀ = 1990 ST₂₀
 1999 JD₇₉ = 1990 ST₃ = 1990 SA₃₀
 1999 JK₇₉ = 1979 YZ₄
 1999 JR₉₁ = 2000 LG₃₀
 1999 JE₉₈ = 1995 LF₁
 1999 JW₉₉ = 1991 RC₁₄
 1999 JP₁₀₄ = 1987 DU₄ = 2000 NM₉
 1999 JX₁₀₄ = 2000 NH₂₁
 1999 JP₁₀₉ = 1994 NE₁₂ = 1998 GQ₁₁
 1999 JG₁₁₄ = 1992 WK₅
 1999 JT₁₁₅ = 1999 KM₁₆
 1999 JK₁₂₀ = 1982 BE₄ = 1992 SC₂₃
 1999 JR₁₃₄ = 1999 NW₂₇ = 1998 BX₁₀
 1999 JN₁₃₆ = 1995 BV₁₅
 1999 KT₂ = 1978 WU₁ = 1993 YZ₁ = 1998 AN₂
 1999 LA₁ = 1981 YL
 1999 LC₄ = 2000 NC₁
 1999 LP₇ = 1997 CJ₁₀
 1999 LY₃₀ = 1995 DU₅
 1999 LM₃₃ = 1989 EM₅
 1999 NF₄ = 1998 EV₂₁
 1999 NU₁₀ = 1999 RS₂₂₂ = 4182 T-3 = 1998 EA₁₆
 1999 NU₁₈ = 1998 HR₁₀₃

1999 NK₂₀ = 1995 HW₄
 1999 NH₂₃ = 1998 HF₁₀₄
 1999 NQ₂₃ = 1979 SH₇ = 1979 TD₁ = 1998 HQ₈₀
 1999 NB₂₅ = 1988 FJ₃
 1999 NS₂₅ = 1982 KK = 1985 DY = 1988 AY₂ = 1992 HN₅ = 1998 AU₈
 1999 NG₃₆ = 1997 XB₈
 1999 NY₃₆ = 1998 FV₈₉
 1999 NL₄₁ = 1993 BX₁ = 1998 HY₁₃₆
 1999 NZ₄₁ = 1993 DS₂
 1999 NK₄₉ = 1998 FB₁₄₅
 1999 OA₅ = 1992 OK₄
 1999 OC₅ = 1989 CV₄ = 1998 GH₆
 1999 OD₅ = 1999 RY₂₃₁ = 1998 KX₅₈
 1999 PL₆ = 1996 TJ₅₉
 1999 QJ₂ = 1998 DY₃₆
 1999 RN₁₀ = 1977 RU₁₇ = 1981 UA₁₅ = 1998 KS₂₁
 1999 RD₂₆ = 1997 CO₂₈
 1999 RB₂₇ = 1999 TW₂₂₈
 1999 RJ₃₂ = 1982 SN₅ = 1991 HZ
 1999 RC₃₄ = 1998 KG₁
 1999 RD₄₆ = 1996 RV₂₆
 1999 RB₄₇ = 1998 HZ₅₇
 1999 RV₅₂ = 1989 UW₄
 1999 RX₅₃ = 1993 BC₈ = 1998 KM₄₂
 1999 RK₆₃ = 1999 UB₄₅
 1999 RP₆₉ = 1991 LS₅ = 1998 FX₅₁
 1999 RW₈₁ = 1217 T-3
 1999 RM₈₆ = 1998 EW₅
 1999 RY₈₈ = 1999 XW₁₇ = 1975 XH₃
 1999 RS₉₂ = 1999 TQ₂₇₉ = 1976 UK₆ = 1985 QQ₄
 1999 RX₁₀₉ = 1974 SO₃
 1999 RA₁₁₀ = 1994 BC₃
 1999 RK₁₁₂ = 1999 TA₂₀₁
 1999 RU₁₁₂ = 1989 ET₂
 1999 RW₁₁₂ = 1996 BX₁₇
 1999 RC₁₁₈ = 1998 FX₁₁₆
 1999 RB₁₂₂ = 1992 HV₂
 1999 RP₁₃₆ = 1992 CL₅
 1999 RF₁₄₃ = 1998 KV₅₆
 1999 RA₁₄₉ = 1976 JJ₅
 1999 RD₁₆₉ = 1978 VB₁₂
 1999 RD₁₇₀ = 1986 WD₄ = 1997 EY₄₆
 1999 RB₁₇₂ = 1981 UK₁₉ = 1993 FG₈₀
 1999 RX₁₇₃ = 1998 FW₉₄
 1999 RS₁₇₅ = 1993 FJ₆₅
 1999 RT₁₇₆ = 1990 DT₂
 1999 RA₂₀₂ = 1986 WW₉
 1999 RR₂₁₇ = 1992 SG₂₁ = 1998 HF₁₄₃
 1999 RZ₂₁₇ = 1990 SO₉
 1999 RW₂₁₈ = 1998 HZ₁₄₉ = 1999 NW₈
 1999 RB₂₂₀ = 1995 YE₉
 1999 RE₂₂₁ = 1999 TW₂₈₀ = 1993 FD₁₅ = 1995 WA₄₁

1999 RJ₂₂₁ = 1999 TT₂₃₀ = 1998 DV₁₄
 1999 RZ₂₂₁ = 1999 VA₂₀₆ = 1997 HA₅
 1999 RK₂₂₅ = 1994 CD₁₂
 1999 RV₂₂₅ = 1993 FL₄₈
 1999 RW₂₂₆ = 1995 YG₁₃
 1999 RX₂₂₉ = 1998 HC₁₃₇
 1999 RO₂₃₀ = 1995 WG₃₇
 1999 RU₂₃₀ = 1989 UH₉
 1999 RE₂₃₁ = 1998 HU₁₁₄ = 1999 VZ₂₀₂
 1999 RZ₂₃₃ = 1999 SZ₁₉ = 1998 HN₅₉
 1999 RF₂₃₅ = 1999 SW₁₉ = 1998 HG₁₃₄
 1999 RL₂₃₅ = 1999 TV₂₃₀
 1999 RZ₂₃₅ = 1999 VB₂₀₃ = 1998 HK₁₀₃
 1999 RH₂₃₆ = 1998 MA₉
 1999 RR₂₄₂ = 1999 SN₁₉
 1999 RQ₂₄₇ = 1996 BQ₁₆
 1999 SH₈ = 1998 FV₈₄
 1999 SY₈ = 1991 RZ₂₂
 1999 SD₁₃ = 1989 CZ₈ = 1993 BX₇
 1999 SH₁₇ = 1993 WC = 1998 HM₁₂₈
 1999 SK₁₇ = 1993 FE₈₁
 1999 SU₁₇ = 1998 FG₈₆
 1999 SD₁₈ = 1998 HU₃₄
 1999 SN₁₈ = 1995 FW₁₆
 1999 SH₁₉ = 1998 KE₄₄
 1999 SQ₁₉ = 1998 MZ₉
 1999 SQ₂₀ = 1998 HU₁₁₁
 1999 SH₂₂ = 1995 SK₆ = 1999 NM₄₉
 1999 SK₂₃ = 1951 XM₁ = 1978 WH₁₆ = 1999 RD₂₂₁
 1999 SX₂₅ = 1998 MT
 1999 TC₇ = 1980 KV
 1999 TZ₁₈ = 1978 RF₁₅
 1999 TT₂₈ = 1997 GL₁₃
 1999 TH₃₀ = 1999 VG₁₉₇
 1999 TF₃₁ = 1997 HB₁₄
 1999 TT₃₇ = 1998 HX₁₃₂
 1999 TS₄₀ = 1991 SY₄
 1999 TX₄₂ = 1998 MN₃₈
 1999 TC₅₀ = 1976 UY₁₄ = 1994 RG₁₇
 1999 TC₅₂ = 1993 FA₆₉ = 1997 EO₄₃
 1999 TZ₅₄ = 1992 WH₆ = 1992 WJ₉
 1999 TZ₆₆ = 1995 UT₄₃
 1999 TR₆₉ = 1997 HE₁
 1999 TZ₇₂ = 1995 UK₄₀
 1999 TT₇₃ = 1999 RC₂₂₉
 1999 TG₇₆ = 1999 VX₅₉
 1999 TT₇₉ = 1994 RM₆ = 1997 EZ₄₉ = 1997 GG₂
 1999 TX₈₀ = 1998 HV₁₀₀
 1999 TW₈₂ = 1994 JO₃
 1999 TB₈₃ = 1998 HB₆₄
 1999 TA₈₅ = 1998 FJ₁₃₅
 1999 TZ₉₀ = 1998 HK₁₀₈

1999 TW₉₁ = 2000 AK₁₅₁ = 1949 WA₁
 1999 TT₉₂ = 1994 CU₁₅ = 1998 HA₂₀
 1999 TX₉₃ = 1951 EB₂ = 1986 RQ₄ = 1993 GX
 1999 TY₉₅ = 1993 FC₁₁
 1999 TH₉₆ = 1992 ET₂₄
 1999 TE₉₇ = 1998 OU₂
 1999 TB₉₈ = 1998 HU₁₁₀
 1999 TL₉₉ = 1996 DJ₅
 1999 TM₉₉ = 2000 AC₁₉₉ = 1990 WQ₈
 1999 TD₁₀₁ = 1979 FA₄ = 1984 BS₂
 1999 TE₁₀₂ = 1998 MF₂₆
 1999 TH₁₀₂ = 1987 OQ₁
 1999 TO₁₀₅ = 1990 UF₆
 1999 TT₁₀₅ = 1997 JQ₁₇
 1999 TK₁₀₆ = 1998 MO₂₀
 1999 TN₁₀₆ = 1998 KZ₄₉
 1999 TQ₁₀₇ = 1998 HW₇₂
 1999 TG₁₀₉ = 1997 GF₂₄
 1999 TR₁₁₀ = 1994 PM₃₄
 1999 TF₁₁₂ = 1999 TO₁₈₁ = 1991 GR₄
 1999 TK₁₁₉ = 1998 FE₃₄
 1999 TC₁₂₇ = 1998 HV₂₀
 1999 TG₁₃₀ = 1988 AL₄ = 1997 FV₂ = 1999 TY₂₀₃
 1999 TE₁₃₁ = 1997 CJ₁₂
 1999 TB₁₃₂ = 1999 VC₁₈₁ = 1998 MU₃₆
 1999 TN₁₃₂ = 1983 AS₁ = 1998 FR₁₃₇
 1999 TM₁₃₃ = 1997 BG₆
 1999 TH₁₃₅ = 1987 YY₂ = 1988 AJ₂
 1999 TB₁₃₈ = 1993 FF₄₄
 1999 TK₁₄₁ = 1976 UE₈
 1999 TO₁₄₂ = 1999 RB₂₁₉
 1999 TR₁₄₃ = 1997 EK₃₆
 1999 TQ₁₄₄ = 1998 HW₆₆
 1999 TU₁₅₈ = 1999 TL₁₀₉ = 1997 AZ₂₄
 1999 TG₁₆₃ = 1994 XS₅
 1999 TZ₁₆₅ = 2290 T-3
 1999 TL₁₇₀ = 1991 TP₁₀
 1999 TZ₁₈₅ = 1981 NT = 1994 NC₈
 1999 TB₁₈₇ = 1981 EK₄₄
 1999 TC₁₈₇ = 1992 BJ₃
 1999 TL₁₉₁ = 1998 FW₁₂₅
 1999 TA₁₉₃ = 1997 AZ₇ = 1997 EB₂₇
 1999 TB₁₉₄ = 1977 RR₉
 1999 TC₁₉₅ = 1976 UB₁₀ = 1992 DV₁₁
 1999 TC₁₉₇ = 1997 GS₁₂
 1999 TK₁₉₇ = 1995 OG₅
 1999 TB₁₉₈ = 2164 T-1 = 1998 FJ₆₄
 1999 TH₁₉₈ = 1977 OS
 1999 TE₂₀₀ = 1996 FU₁₂
 1999 TP₂₀₀ = 1998 HH₂₂
 1999 TT₂₀₀ = 1996 VK₃₅
 1999 TO₂₀₄ = 1995 WC₂₆
 1999 TV₂₀₉ = 1996 GK₃
 1999 TT₂₁₃ = 1997 HP₁₅
 1999 TA₂₁₆ = 1997 HY₅
 1999 TB₂₁₆ = 1991 HK₂ = 1998 KC₂₀
 1999 TH₂₁₆ = 1995 RL
 1999 TK₂₁₈ = 1991 FA₁ = 1993 TX₁₆ = 1998 RA₂₆
 1999 TL₂₂₀ = 1999 RH₂₁₁
 1999 TU₂₂₁ = 1995 WX₁₃
 1999 TH₂₂₂ = 1998 FQ₁₁₄
 1999 TO₂₂₃ = 1999 VB₁₉₉ = 1989 XY
 1999 TQ₂₂₃ = 1989 TL₇
 1999 TS₂₂₅ = 1995 US₁₀ = 1998 HN₆₅
 1999 TB₂₃₂ = 1997 BQ₅
 1999 TH₂₃₃ = 1999 RF₂₀₆
 1999 TS₂₃₆ = 1998 HE₁₀₅
 1999 TA₂₄₃ = 2000 AM₁₀₀ = 1995 AJ₃
 1999 TS₂₄₃ = 2000 AY₂₂₈ = 1998 KO₂
 1999 TF₂₄₆ = 1997 AL₁₉
 1999 TO₂₄₇ = 1996 JT₂ = 1998 QU₃₁
 1999 TD₂₄₈ = 1997 GV₂₉
 1999 TU₂₄₈ = 1998 MS₃₈
 1999 TO₂₅₄ = 1998 MK₄₄
 1999 TE₂₅₆ = 1998 HS₅₈
 1999 TF₂₆₀ = 1995 OX₇
 1999 TW₂₆₀ = 1999 VC₂₁₄ = 1994 UF₄
 1999 TD₂₆₄ = 1996 EG₁₁
 1999 TV₂₆₄ = 1993 OE
 1999 TQ₂₆₅ = 1995 WE₈
 1999 TT₂₆₇ = 1995 UK₄₇
 1999 TS₂₆₉ = 1993 SH
 1999 TU₂₆₉ = 1989 YM₂
 1999 TF₂₇₀ = 1998 KF₄₄
 1999 TY₂₇₀ = 1991 NA₇
 1999 TA₂₇₁ = 1996 GQ₁
 1999 TH₂₇₁ = 1994 AT₇
 1999 TY₂₇₃ = 1970 WY = 1974 SP₄ = 1974 TP = 1978 SJ₁ = 1978 TV₉ = 1993 FD₃₈
 1999 TZ₂₈₀ = 1999 RS₉₃ = 1998 KW₁₁
 1999 TE₂₈₁ = 1998 KC₅₉
 1999 TM₂₈₁ = 1998 MK₄₂
 1999 TR₂₈₂ = 1998 KF₄₆
 1999 TO₂₈₄ = 1998 HY₁₀₉
 1999 TM₂₈₅ = 1995 WZ₄₀
 1999 TC₂₈₆ = 1994 NY₅
 1999 TJ₂₈₇ = 1997 ER₄₁
 1999 TG₂₈₈ = 1970 AD₁ = 1998 HJ₅₆
 1999 TV₂₈₈ = 1998 HR₅₂
 1999 TG₂₈₉ = 1998 HH₈₂
 1999 TB₂₉₁ = 1998 MM₁₃
 1999 TK₂₉₁ = 1997 EA₅₀ = 1997 GU₂₆
 1999 TM₂₉₁ = 1998 MW₉
 1999 TN₂₉₁ = 1998 JC₃
 1999 TR₂₉₁ = 1998 MV₂₄

1999 TS₂₉₁ = 1990 TT₁₄ = 1997 MS₈ = 1998 QJ₆₆
 1999 TY₂₉₂ = 1997 GL₃₇
 1999 TC₂₉₃ = 1998 KA₄₇
 1999 TD₂₉₃ = 1998 MQ₂₁
 1999 TE₂₉₆ = 1977 XE₁
 1999 TW₃₁₄ = 1998 HO₃₁
 1999 TZ₃₂₀ = 1995 YV₁₃
 1999 UY₃ = 1998 MR₃₆
 1999 UB₂₄ = 1998 QL₈₀
 1999 UK₂₇ = 1998 HU₈₆
 1999 UZ₃₅ = 1512 T-2 = 1978 WY₁₁
 1999 UQ₄₆ = 1998 MK₁₀
 1999 UX₄₆ = 1988 PD
 1999 UM₄₈ = 1994 RA₂₉
 1999 UQ₄₈ = 1997 EE₂₀
 1999 UF₄₉ = 1994 RX₂₁
 1999 UL₅₀ = 1994 RH₂₀
 1999 UO₅₀ = 1995 YA₁₄
 1999 UT₅₀ = 1998 ON₅
 1999 UR₅₁ = 1997 EQ₁₄
 1999 UU₅₂ = 1998 KQ₅₄
 1999 UT₅₅ = 1994 WO₁₂ = 2000 AU₃
 1999 VB₁₂ = 1952 FH₁
 1999 VW₂₀ = 1984 UG₅
 1999 VL₂₂ = 1984 YC₇
 1999 VQ₂₂ = 1979 YJ₅
 1999 VB₃₂ = 1996 XR₂₂
 1999 VP₃₇ = 1982 VG₃
 1999 VZ₃₈ = 1985 XL₂ = 1988 SJ₁
 1999 VA₃₉ = 1998 QK₈₅
 1999 VA₄₁ = 1997 CQ₂₅
 1999 VF₅₀ = 1978 RD₄
 1999 VX₅₂ = 1987 KP₄
 1999 VQ₅₃ = 1998 KK₃₂
 1999 VH₇₁ = 1976 YD₃
 1999 VZ₇₅ = 1995 SD₄₃
 1999 VC₇₉ = 1998 MV₃
 1999 VA₈₁ = 1991 PH₁₄
 1999 VE₈₁ = 1993 FG₁₅
 1999 VD₈₃ = 1995 SW₂₂
 1999 VX₉₀ = 1981 VT₂
 1999 VG₉₁ = 1993 FG₆₂
 1999 VM₉₂ = 1991 GV₂
 1999 VQ₉₂ = 1998 MA₂₄
 1999 VV₉₆ = 2848 P-L
 1999 VX₁₀₁ = 1991 PL₂₀ = 1998 HW₉₈
 1999 VL₁₀₄ = 1997 LO₁₆
 1999 VN₁₀₄ = 1999 TU₁₇₇ = 1998 MW₁₆
 1999 VN₁₀₆ = 1999 WQ₁₉ = 1999 XK₁₄₇
 1999 VH₁₀₈ = 1997 LQ₆
 1999 VB₁₁₀ = 1994 PB₃₄
 1999 VO₁₁₂ = 1998 TB₇

1999 VU₁₁₂ = 1999 XA₂₄₃
 1999 VO₁₁₅ = 1997 LV₈
 1999 VY₁₂₄ = 1999 NL₂₅
 1999 VW₁₂₅ = 1997 CL₂₇
 1999 VA₁₂₈ = 1995 SL₂₆
 1999 VX₁₂₈ = 1996 AG₁₇
 1999 VW₁₃₅ = 1997 GU₄₃
 1999 VS₁₃₆ = 1977 HB₁ = 1996 XO₂₉
 1999 VS₁₄₆ = 1995 SG₃₃
 1999 VL₁₄₈ = 1999 XK₁₀₈
 1999 VJ₁₄₉ = 1991 RF₂₈ = 1998 KT₃₁
 1999 VX₁₅₃ = 2000 JR₆₉
 1999 VG₁₅₆ = 1995 UP₂₅
 1999 VS₁₅₆ = 1994 VN₃
 1999 VF₁₅₈ = 1997 HA₁₂
 1999 VM₁₆₆ = 1998 RH₂₉
 1999 VZ₁₆₇ = 1991 RA₂₂
 1999 VM₁₆₉ = 1995 WW₂₉ = 1998 MZ₃₂
 1999 VQ₁₆₉ = 1992 EX₃₂ = 1994 SL₂
 1999 VP₁₇₀ = 1994 GP₂ = 1998 MV₃₅
 1999 VW₁₇₀ = 1998 QO₆₇
 1999 VL₁₇₂ = 1994 LR₅
 1999 VO₁₇₂ = 2000 AA₁₅₆ = 1978 VY₁₀
 1999 VV₁₇₃ = 1997 EO₁ = 1998 MP₂₀
 1999 VP₁₇₉ = 1993 TB₁₅
 1999 VD₁₈₀ = 1456 T-2
 1999 VP₁₈₀ = 1999 TR₁₁₄
 1999 VZ₁₈₀ = 1998 HH₇
 1999 VB₁₈₁ = 1999 TT₁₁₆ = 1992 FT₃
 1999 VE₁₈₁ = 1998 HZ₁₅₁
 1999 VM₁₈₂ = 1997 CR₂₆
 1999 VT₁₈₄ = 1997 AC₂₁
 1999 VB₁₈₅ = 1995 TN₅
 1999 VM₁₈₇ = 2621 T-3
 1999 VY₁₈₈ = 1998 KU₄₀
 1999 VT₁₈₉ = 1982 VJ₆ = 1992 SC₂₅
 1999 VX₁₈₉ = 1994 CJ₁₀
 1999 VJ₁₉₀ = 1995 OM₆
 1999 VQ₁₉₀ = 1995 YL₇
 1999 VS₁₉₀ = 1997 LB₁₆
 1999 VY₁₉₀ = 1976 UV₁₈ = 1997 EQ₃₇ = 1998 MN₂₂
 1999 VZ₁₉₀ = 1998 FN₁₁₀
 1999 VQ₁₉₃ = 1995 WE₁₇
 1999 VY₁₉₇ = 1997 GH₁₀
 1999 VA₁₉₉ = 1999 TV₉₁
 1999 VL₁₉₉ = 1996 BO₁₃
 1999 VW₁₉₉ = 1997 EV₂₉ = 1998 MA₄₅
 1999 VC₂₀₁ = 1998 QZ₆₃
 1999 VK₂₀₁ = 1995 OF₇ = 1997 CA₂₈
 1999 VU₂₀₁ = 1994 GQ₇
 1999 VA₂₀₃ = 1999 RD₂₃₁ = 1998 MX₉
 1999 VC₂₀₃ = 1999 RE₂₄₁ = 1998 KZ₅₆

1999 VE₂₀₃ = 1999 RJ₂₄₀ = 1982 LA
 1999 VS₂₀₃ = 1990 VP
 1999 VJ₂₀₈ = 1994 PK₁₀
 1999 VK₂₁₃ = 1987 QD₄ = 1990 EG₂
 1999 VV₂₁₃ = 1997 EY₇
 1999 VW₂₁₉ = 1997 GR₁₃
 1999 WY₂ = 1991 RH₃₂
 1999 WF₃ = 1999 XB₂₄₃
 1999 WG₈ = 1982 VA₂
 1999 WL₁₃ = 1980 BP₅
 1999 WN₁₄ = 1995 VN₁₂
 1999 WZ₁₅ = 1998 HG₄₁
 1999 WQ₂₀ = 1990 TH₆
 1999 XC = 1998 HA₁₃₅
 1999 XB₁ = 1999 XC₈₃
 1999 XH₁ = 1988 VE₁₃
 1999 XK₁ = 1967 GA₁ = 1986 XN₄
 1999 XS₇ = 1985 UC₄
 1999 XN₈ = 1992 AD₅
 1999 XS₁₀ = 1981 KB₁
 1999 XD₁₄ = 1998 KU₂₂ = 1995 VM₁₂
 1999 XK₁₄ = 1987 QB₅
 1999 XR₂₈ = 2000 AZ₂₄₆
 1999 XP₃₁ = 1969 OT
 1999 XO₃₃ = 1990 WR₇
 1999 XG₃₄ = 1987 OD₁
 1999 XZ₃₈ = 1992 EY₂₀
 1999 XB₄₂ = 6306 P-L
 1999 XR₄₂ = 1980 RN₂
 1999 XM₆₂ = 1999 VV₁₀₈ = 1995 BC₅
 1999 XU₆₈ = 1971 UY₃ = 1985 VC₅
 1999 XS₇₁ = 1987 SS₂₉
 1999 XF₇₄ = 1998 OO₇
 1999 XX₇₄ = 1998 QB₉₅
 1999 XJ₉₀ = 1979 FC
 1999 XK₉₁ = 1983 XB₁
 1999 XO₉₁ = 1982 TM₃
 1999 XM₉₄ = 1986 GD₂
 1999 XL₉₇ = 1990 DJ₈
 1999 XC₉₈ = 2000 AX₁₂
 1999 XM₉₈ = 1987 DO₅
 1999 XZ₉₈ = 2000 AZ₂₁₂
 1999 XH₁₁₄ = 1981 RQ₄ = 1981 SA₄ = 1997 HP₅
 1999 XE₁₁₅ = 1995 KY₁ = 2000 HN₃
 1999 XQ₁₁₉ = 1989 AU₃ = 2000 AN₂₄₆
 1999 XS₁₂₃ = 1998 KV₉
 1999 XP₁₂₅ = 1981 RH₃ = 1998 JX₁
 1999 XW₁₂₇ = 1982 YG₁
 1999 XW₁₃₂ = 1998 QZ₄₇
 1999 XS₁₃₆ = 1951 MP = 1971 BO₁ = 1971 DU₁
 1999 XW₁₄₃ = 1999 YJ₂₃ = 1991 RE₃₃
 1999 XR₁₄₅ = 1998 KT₁₂
 1999 XV₁₅₇ = 1979 QN₂
 1999 XD₁₅₈ = 1985 UZ₄
 1999 XN₁₅₈ = 1998 RE₄₀
 1999 XY₁₅₈ = 1998 RL₃₆
 1999 XB₁₆₀ = 1996 GK₁₈ = 1998 RD₄₁
 1999 XO₁₆₁ = 1998 QP₆₄
 1999 XF₁₆₄ = 1986 OC
 1999 XP₁₆₄ = 1980 FS₁₁
 1999 XE₁₆₇ = 2000 AR₁₀
 1999 XR₁₆₈ = 1998 HE₆₈
 1999 XR₁₆₉ = 1987 SB₁₄
 1999 XL₁₇₂ = 1988 AX₂
 1999 XD₁₇₄ = 1997 GF₂₇
 1999 XY₁₇₄ = 1975 VZ₃
 1999 XJ₁₇₅ = 1984 LO
 1999 XQ₁₇₈ = 1990 VX
 1999 XH₁₇₉ = 1978 WP₁₅ = 1996 JG₄ = 1998 XA₁₇
 1999 XY₁₇₉ = 1994 UT₁₂
 1999 XC₁₈₁ = 1998 QC₈₉
 1999 XQ₁₈₃ = 1998 RS₃₃
 1999 XA₁₈₅ = 1991 GW₅
 1999 XH₁₉₀ = 1997 EA₂₈
 1999 XW₁₉₃ = 1998 ML₃₆
 1999 XY₁₉₄ = 1991 AA₄
 1999 XC₂₀₅ = 1997 GH₃₁ = 1998 QK₁₀₀
 1999 XS₂₀₆ = 1989 EE₉
 1999 XT₂₁₁ = 1998 QT₁₀₂
 1999 XB₂₂₀ = 1996 AM₁₃
 1999 XZ₂₂₆ = 1995 UC₃₃
 1999 XA₂₃₁ = 1985 VW₅
 1999 XZ₂₃₁ = 1990 HU₂ = 1984 SL₂
 1999 XL₂₃₃ = 1998 QG₇
 1999 XZ₂₃₃ = 1990 VL₁₁ = 1992 EN₂₆
 1999 XQ₂₃₄ = 1995 EO₂
 1999 XW₂₃₄ = 1998 RX₂₃
 1999 XB₂₃₅ = 1998 RE₂₆
 1999 XE₂₃₇ = 1995 SM₄₇
 1999 XG₂₃₉ = 1995 WW₁₈
 1999 XR₂₄₁ = 1993 FZ₆₂
 1999 XE₂₄₂ = 1998 QR₆₈
 1999 XL₂₄₂ = 1992 EX₃₀
 1999 XQ₂₄₂ = 1987 AG = 1998 SK₁₁
 1999 XU₂₄₂ = 1998 SV₉₅
 1999 XY₂₄₂ = 1982 VJ = 1998 QB₈₈
 1999 XE₂₄₃ = 1998 RE₃₃
 1999 XX₂₄₄ = 1996 EN₆
 1999 XZ₂₅₉ = 1992 EU₁₂
 1999 YM₃ = 1988 GT₁
 1999 YO₅ = 1997 EF₅₉ = 1998 QC₉₉
 1999 YT₆ = 1980 FG₂
 1999 YG₁₄ = 1998 XL₂₂
 1999 YY₂₂ = 1998 QJ₆₂

2000 AF₁ = 1977 TK = 2000 CJ₁₂₆
 2000 AS₁ = 1987 BX
 2000 AK₇ = 1991 VY₉
 2000 AX₈ = 1997 TJ₂₈
 2000 AC₁₂ = 1995 WX₂₅ = 1997 HO₄
 2000 AE₁₂ = 1983 VC₅ = 1997 AT₁₅
 2000 AY₁₅ = 1990 OM₄ = 1998 QR₇₆
 2000 AL₁₆ = 1997 TN₂₈
 2000 AA₂₀ = 1998 MH₄₂
 2000 AC₂₀ = 1983 XD₁
 2000 AZ₂₃ = 1998 SV₃₅
 2000 AQ₂₆ = 1991 RX₃₄ = 1998 QX₁₄
 2000 AC₂₇ = 1970 SL = 1974 RM = 1974 SA
 2000 AZ₂₇ = 1993 FQ₄₇
 2000 AL₂₉ = 1995 BX₅ = 1998 SW₈₃
 2000 AG₃₀ = 1994 RV₁₅
 2000 AA₃₁ = 1990 EH₆ = 1998 QU₁₀₂
 2000 AZ₃₁ = 1998 RC₂₅
 2000 AO₃₂ = 1998 SE₈₅
 2000 AE₃₃ = 1994 PR₂₄ = 1998 RJ₆₁
 2000 AT₃₄ = 1990 SE₁₉
 2000 AX₃₄ = 1998 UT₃₄
 2000 AL₃₇ = 1994 TJ₁₀
 2000 AT₄₀ = 1972 VY₁ = 1992 PS₄
 2000 AY₄₀ = 1992 EK₂₅
 2000 AZ₄₀ = 1987 UA₁₀ = 1991 WK = 1991 YW₁
 2000 AC₄₁ = 1996 AC₁₄
 2000 AK₄₁ = 1982 DQ₃ = 1998 VL₂₆
 2000 AT₄₃ = 1995 YB₆
 2000 AF₄₇ = 1990 SA₁₀ = 1992 EX₂₂ = 1996 BO₁₂
 2000 AA₅₃ = 1983 VU₂
 2000 AL₅₇ = 1978 ND₇ = 1995 SJ₂
 2000 AD₅₉ = 1998 SV₁₀₁
 2000 AH₆₀ = 1998 RL₂₅
 2000 AN₆₁ = 1989 ED₁₁ = 1998 SE₂₈
 2000 AF₆₃ = 1992 UB₁₀
 2000 AH₆₃ = 1998 SO₁₀₃
 2000 AL₆₃ = 1995 DE₁₁
 2000 AQ₆₇ = 1980 XC₂
 2000 AX₆₇ = 1982 SH₃
 2000 AT₆₉ = 1995 YW₂₄
 2000 AZ₆₉ = 1997 MH₆
 2000 AD₇₁ = 1993 FM₄₉
 2000 AF₇₁ = 1998 QU₁₉
 2000 AL₇₄ = 1994 PN₂₇
 2000 AS₇₄ = 1998 UX₂₇
 2000 AD₇₅ = 1996 TM₅₉
 2000 AQ₇₅ = 1979 YY₅ = 1982 SD₁₂ = 1982 SQ₁₂ = 1998 KB₄₀
 2000 AR₇₅ = 1970 QR = 1978 NZ₁ = 1998 KG₂₆
 2000 AC₇₆ = 1991 PR = 1995 UM₄₅
 2000 AL₇₆ = 1998 SB₇₇
 2000 AN₇₆ = 1998 MA₇

2000 AW₇₈ = 1977 UP₄
 2000 AR₇₉ = 3072 T-3 = 1998 SV₉₃
 2000 AG₈₁ = 1998 SZ₉₃
 2000 AO₈₁ = 1997 LB₃
 2000 AA₈₂ = 1992 SP₁₁
 2000 AB₈₃ = 1998 SZ₁₂₀
 2000 AP₈₄ = 1986 UZ₃
 2000 AM₈₆ = 1996 FW₅
 2000 AB₈₈ = 1990 TA₁₅
 2000 AQ₈₈ = 1998 SA₈₂
 2000 AK₉₅ = 1993 OH₈
 2000 AQ₉₆ = 1998 UW₃₇
 2000 AF₉₇ = 1978 ES₆ = 1991 DM₂
 2000 AS₉₇ = 1991 RZ₃₆
 2000 AQ₉₈ = 1980 DY₄ = 1990 AD₁
 2000 AM₉₉ = 1989 TK₉
 2000 AZ₉₉ = 1982 BG₆
 2000 AK₁₀₂ = 1997 AB₁₇
 2000 AW₁₀₂ = 1998 MT₂₇
 2000 AA₁₀₃ = 1984 UJ
 2000 AG₁₀₄ = 1998 SK₇₆
 2000 AJ₁₀₄ = 1997 MN₇
 2000 AW₁₀₄ = 1995 UL₁₀
 2000 AA₁₀₅ = 1996 JC₄
 2000 AK₁₀₅ = 1978 WV₁₅ = 1983 VF₆
 2000 AL₁₀₅ = 1998 RL₁₈
 2000 AT₁₀₉ = 1998 MG₃₉
 2000 AU₁₀₉ = 1998 ML₂₂
 2000 AR₁₁₁ = 1998 SZ₈₈
 2000 AM₁₁₂ = 1998 SL₈₂
 2000 AB₁₁₄ = 1990 SU₃ = 1990 SB₃₀
 2000 AX₁₁₅ = 1998 SH₉₅
 2000 AY₁₁₇ = 1992 CD₅
 2000 AD₁₂₅ = 1997 TY
 2000 AJ₁₂₅ = 1986 RQ₈
 2000 AW₁₂₆ = 1980 RZ₁
 2000 AF₁₂₈ = 1991 PO₂₆
 2000 AW₁₂₈ = 1987 RL₄ = 1987 SB₁₈ = 1987 SR₄
 2000 AH₁₃₀ = 1979 OF₂
 2000 AU₁₃₀ = 1993 FQ₅₅
 2000 AM₁₃₄ = 1995 YD₂₁
 2000 AQ₁₃₅ = 1996 FZ₂₁
 2000 AO₁₃₉ = 1996 XG₁₄
 2000 AL₁₄₀ = 1998 HY₁₃₈
 2000 AL₁₄₁ = 1987 DP₁
 2000 AN₁₄₄ = 1991 BT₃ = 1991 BV₃
 2000 AO₁₄₄ = 1994 NK₁₁
 2000 AH₁₄₈ = 1969 AC₁ = 1991 BW
 2000 AG₁₅₀ = 1998 SA₆₉
 2000 AB₁₅₂ = 1998 FP₅₆
 2000 AV₁₅₅ = 1998 NC₁
 2000 AQ₁₅₆ = 1992 EJ₃₁ = 1996 AV₄

2000 AK₁₅₇ = 1990 HS₅ = 1998 SN₁₀₃
 2000 AT₁₅₈ = 1997 GU₄₂
 2000 AF₁₅₉ = 1995 WJ₃₀
 2000 AU₁₆₀ = 1991 RG₁₃
 2000 AE₁₆₂ = 1981 UQ₈
 2000 AG₁₆₂ = 1998 UP₂₃
 2000 AR₁₆₂ = 1991 AV₄
 2000 AB₁₆₃ = 1992 OM₉
 2000 AH₁₆₅ = 1999 TE₁₀₁ = 1998 GN₆
 2000 AP₁₆₅ = 1990 VX₁₂
 2000 AS₁₆₈ = 1998 RJ₃₇
 2000 AX₁₆₈ = 1992 AL₂
 2000 AH₁₇₀ = 1988 OH = 1998 KC₅₅
 2000 AR₁₇₁ = 1962 WY = 1971 TO = 1994 TM₁₁
 2000 AO₁₇₂ = 1993 FH₁₀ = 1997 GD₃₉
 2000 AY₁₇₂ = 1991 LQ₄
 2000 AB₁₇₄ = 1976 US₁₆ = 1997 JW₈
 2000 AD₁₇₄ = 1989 AC₅
 2000 AT₁₇₄ = 1995 YN₁₄
 2000 AY₁₇₄ = 1976 UA₁₆ = 1979 OV₁₂ = 1997 GT₃₈
 2000 AA₁₇₅ = 1998 QK₇₃
 2000 AT₁₇₅ = 1998 SC₁₄₈
 2000 AX₁₇₅ = 1998 QU₈₃
 2000 AF₁₇₆ = 1998 RF₂₉
 2000 AK₁₇₆ = 1994 TM₁₅
 2000 AU₁₇₈ = 1994 UO₁₂ = 1998 QL₉₀
 2000 AM₁₇₉ = 1986 UB₃ = 1990 OG
 2000 AP₁₈₁ = 1981 UB₂₂ = 1981 UY₁₉
 2000 AG₁₈₃ = 1991 GN₇
 2000 AW₁₈₃ = 1996 NF₅
 2000 AF₁₈₆ = 1984 UF₃
 2000 AT₁₈₆ = 1980 TT₁
 2000 AX₁₉₉ = 1998 QA₁₀
 2000 AD₂₀₀ = 1998 MD₂₅
 2000 AG₂₀₁ = 1996 RE₂₇
 2000 AN₂₀₁ = 1998 SR₈₃
 2000 AF₂₀₄ = 2000 AK₂₆
 2000 AQ₂₀₄ = 1998 VR₁₁
 2000 AC₂₀₅ = 1969 UF = 1990 TX₁₄
 2000 AB₂₀₈ = 1995 WS₂₁
 2000 AF₂₀₈ = 1993 FB₅₅
 2000 AE₂₀₉ = 1998 WC₄₂
 2000 AM₂₁₇ = 1996 TV₆₈
 2000 AY₂₁₇ = 1996 RO₃₁
 2000 AC₂₂₀ = 1997 GN₄₂ = 1998 SG₁₄₃
 2000 AD₂₂₂ = 1993 UE₉
 2000 AP₂₂₃ = 1994 RF₈
 2000 AA₂₂₇ = 1998 VC₅₃
 2000 AG₂₂₉ = 1998 MQ₂₈
 2000 AZ₂₃₀ = 1996 KM₆
 2000 AA₂₃₂ = 1998 VW₅₁
 2000 AY₂₃₇ = 1999 WT₂₀ = 1995 YC₂₄
 2000 AD₂₃₈ = 1995 WG₄₁
 2000 AQ₂₃₈ = 1984 YA₂
 2000 AV₂₃₈ = 1980 FT = 1998 WF₂₅
 2000 AM₂₄₁ = 1994 PB₁₇
 2000 AH₂₄₂ = 1974 HH
 2000 AR₂₄₂ = 1982 JJ
 2000 AD₂₄₃ = 1986 XT₃
 2000 AP₂₄₃ = 1991 PP₇
 2000 AD₂₄₄ = 1998 WM₈
 2000 BC₂ = 1998 WQ₄₂
 2000 BL₆ = 1998 OO₅
 2000 BK₁₃ = 1996 FZ₃
 2000 BE₁₄ = 1990 WW₇
 2000 BQ₁₄ = 1983 AH₃
 2000 BQ₁₆ = 1994 RR₂₃ = 1998 SK₁₁₄
 2000 BV₁₆ = 1999 XZ₂₃₅ = 1975 ES₃ = 1998 UL₃₄
 2000 BR₁₆ = 1992 OC₁₀
 2000 BR₁₇ = 1998 SZ₁₅₉
 2000 BB₁₈ = 1962 XS₁
 2000 BP₂₃ = 1998 SQ₁₀₄
 2000 BR₂₃ = 1997 MS₅
 2000 BV₂₃ = 1998 SQ₈₂
 2000 BL₂₄ = 1998 SR₇₂ = 1998 UU₃₅
 2000 BE₃₁ = 1997 NL₄
 2000 BV₃₁ = 1993 FD₆₃ = 1998 RO₄₂
 2000 BN₃₃ = 1996 GA₆ = 1998 SN₁₆₀
 2000 BQ₃₃ = 1992 LE₁ = 1997 NF₈ = 1998 VT₄₅
 2000 BK₃₄ = 1997 EX₃
 2000 BU₃₄ = 1991 NK₃
 2000 CC₂ = 1988 MC
 2000 CP₂ = 1989 VR₂
 2000 CG₃ = 1998 MG₄₇
 2000 CR₃ = 1978 WY₆ = 1983 VR₂
 2000 CN₄ = 1994 PQ₃₃
 2000 CS₄ = 1993 TT₃₅ = 1998 RU₃₂
 2000 CQ₅ = 1998 TT₁
 2000 CR₆ = 1998 SC₇₇
 2000 CS₈ = 1977 CT₁ = 1996 RV₂₉
 2000 CN₉ = 1993 FB₆₄
 2000 CB₁₀ = 1996 FD₂₁
 2000 CJ₁₁ = 1998 VC₄₆
 2000 CH₁₂ = 1997 NG₁₀
 2000 CW₁₈ = 1998 SD₁₂₁
 2000 CE₁₉ = 1998 SX₁₈
 2000 CN₂₁ = 1993 OX
 2000 CN₂₂ = 1998 VG₄₆
 2000 CD₂₄ = 1996 GH₁₉ = 1998 VD₂₄
 2000 CV₂₄ = 1998 VY₅₁
 2000 CL₂₅ = 1998 UF₃₈
 2000 CX₂₆ = 1997 EM₄₉
 2000 CQ₂₈ = 1998 RS₃₁
 2000 CZ₃₄ = 1995 OA₆

2000 CQ₃₅ = 1998 SJ₁₄₉
 2000 CT₄₀ = 1976 UH₁₅
 2000 CE₄₃ = 1993 FS₇₉ = 1998 SG₁₅₁
 2000 CF₄₃ = 1998 VU₅₃
 2000 CU₄₄ = 1998 WQ₃₆
 2000 CW₄₄ = 1996 KE₉
 2000 CY₄₆ = 1991 TY₆ = 1993 FX₆₈
 2000 CV₄₇ = 1976 JA₆
 2000 CY₄₇ = 1996 JU₁₀
 2000 CL₄₈ = 1993 UR₆
 2000 CN₄₈ = 1994 LS₈
 2000 CD₅₄ = 1998 VU₅₁
 2000 CA₅₆ = 1998 XL₉₈
 2000 CJ₅₆ = 1954 TK₁ = 1987 DE₇
 2000 CP₆₀ = 1998 RT₂₇
 2000 CX₆₀ = 1998 QG₈₇
 2000 CY₆₀ = 1998 ST₁₃₆
 2000 CM₆₁ = 1991 RX₃₅
 2000 CM₆₇ = 1996 VE₁₇
 2000 CO₇₂ = 1998 UP₄
 2000 CC₇₆ = 1982 QS₁
 2000 CS₇₆ = 1979 HN₆
 2000 CT₇₆ = 1998 VW₄₆
 2000 CD₇₈ = 1998 XQ₉₈
 2000 CW₈₀ = 1978 NF₁
 2000 CX₈₅ = 1991 GH₁₂
 2000 CK₉₀ = 1996 FX₂₀
 2000 CR₉₀ = 1994 SU₆
 2000 CT₉₁ = 1979 OD₃
 2000 CM₉₂ = 1996 PY₉
 2000 CT₉₃ = 1979 OJ₃
 2000 CR₉₇ = 3275 T-1 = 1998 VV₄₇
 2000 CA₁₀₁ = 1998 SL₁₂₈
 2000 CT₁₀₂ = 1998 XB₆₇
 2000 CV₁₀₇ = 1998 SR₁₄₃
 2000 CC₁₁₀ = 1995 FL₁₃
 2000 CJ₁₁₁ = 1996 DL₇
 2000 CF₁₁₂ = 1998 VB₅₃
 2000 CY₁₁₂ = 1989 TS₅ = 1998 YA₁₈
 2000 CK₁₁₅ = 1998 WY₃₉
 2000 CK₁₁₆ = 1998 VN₃₉
 2000 CV₁₁₆ = 1998 XW₉₀
 2000 CW₁₁₆ = 1987 SW₇ = 1998 VE₁₀
 2000 CX₁₁₆ = 1986 VH₆
 2000 CH₁₁₈ = 1998 SR₉₃
 2000 CB₁₂₂ = 1986 RY₁₄ = 1996 HE₂₃ = 1996 KK₉
 2000 DH₂ = 1993 FV₇₉
 2000 DB₃ = 1991 RD₃₈
 2000 DC₈ = 1998 SJ₁₆₄
 2000 DL₁₀ = 1996 FE₇
 2000 DX₁₀ = 1995 FU₁₃
 2000 DY₁₀ = 1996 BX₁₅
 2000 DV₁₃ = 1991 SD₃
 2000 DX₁₄ = 1989 AG₉
 2000 DB₁₆ = 1986 EG₄
 2000 DK₁₇ = 1979 QW₁ = 1998 XK₁₄
 2000 DB₂₀ = 1995 YX₁₇
 2000 DG₂₀ = 1998 UC₄₅
 2000 DX₂₃ = 1979 QU₃
 2000 DN₂₈ = 1990 QL₁₀
 2000 DR₃₂ = 1998 SL₁₃₆
 2000 DF₃₄ = 1998 SG₁₀₈
 2000 DR₃₄ = 1994 DK
 2000 DS₃₄ = 1998 UX₂₉
 2000 DT₃₆ = 1998 YT₁₄
 2000 DV₃₇ = 1995 EB₇
 2000 DZ₃₇ = 1998 VJ₄₈
 2000 DR₃₈ = 1995 FK₁₆
 2000 DB₃₉ = 1998 SO₁₁₆
 2000 DV₄₀ = 1993 FO₆₀
 2000 DM₄₁ = 2000 CK₅₄ = 1998 YZ₂₇
 2000 DZ₄₁ = 1992 UF₇
 2000 DG₄₂ = 1995 UO₅₀
 2000 DG₄₄ = 1997 TB₄
 2000 DQ₅₆ = 1998 WE₂₂
 2000 DZ₅₇ = 1977 RP₁₉ = 1998 WX₃₃
 2000 DU₅₈ = 1982 SB₃ = 1993 MH
 2000 DQ₆₂ = 1979 OR
 2000 DE₆₃ = 1998 WH₃₈
 2000 DY₇₁ = 1995 FF₁₀
 2000 DB₇₂ = 1993 TG₄₇ = 1993 UQ₉
 2000 DB₇₃ = 1998 WO₄₁
 2000 DC₇₅ = 1998 XP₅₃
 2000 DW₈₀ = 1993 FG₃₅
 2000 DO₈₂ = 1998 SV₁₀₈
 2000 DS₈₂ = 1996 FW₂₁
 2000 DZ₈₂ = 1995 EA₆
 2000 DT₈₆ = 1998 VK₅₀
 2000 DW₉₃ = 1998 UO₂₇
 2000 DU₉₅ = 1979 HZ₄
 2000 DE₉₇ = 1998 QN₅₂
 2000 DV₉₉ = 1974 QE₃
 2000 DE₁₀₀ = 1998 WO₃₇
 2000 DT₁₀₇ = 1998 VX₂
 2000 DY₁₀₇ = 1998 XH₇₈
 2000 DL₁₁₂ = 1998 XP₄
 2000 EH = 1992 SZ₇ = 1998 UR₄₁
 2000 EX₃ = 1991 JD₆
 2000 EK₄ = 1995 DP₄
 2000 EE₇ = 1993 FP₇₂
 2000 ED₈ = 1998 VV₁₇
 2000 EK₁₁ = 1998 SX₉₈
 2000 EM₁₈ = 1998 SY₁₂₀
 2000 EQ₁₉ = 1998 RB₂₇

2000 ES₂₀ = 1996 BC₃
 2000 EB₂₁ = 1987 KH₂
 2000 EE₂₁ = 1991 NT₈ = 1998 VR₅₃
 2000 EM₂₁ = 1990 SJ₂₅
 2000 EC₂₉ = 1981 UZ₁
 2000 EX₂₉ = 1954 OV = 1998 UW₂₉
 2000 ET₃₀ = 1997 GD₆
 2000 EV₃₀ = 1982 VW₂
 2000 EO₃₆ = 1989 EZ₆
 2000 EN₄₂ = 1997 RZ₉
 2000 EK₄₅ = 1937 CB = 1981 WW₇ = 1986 EL₂
 2000 EW₄₇ = 1990 QM₁₉
 2000 EZ₄₈ = 1998 SO₈₆
 2000 EP₅₂ = 1998 VN₄₃
 2000 EE₅₆ = 1998 XE₅₁
 2000 EJ₅₈ = 1990 VB₉
 2000 EG₆₃ = 1998 ST₄₆
 2000 EX₆₃ = 1994 PY₂₃ = 1997 JX₁₇
 2000 EH₆₈ = 1997 LK₁₆
 2000 EM₇₀ = 1998 VX₄₈
 2000 EW₇₁ = 1998 QL₁₀₀
 2000 EU₇₅ = 1989 XL
 2000 EX₇₅ = 1998 VN₅₃
 2000 EH₇₇ = 1993 TM₄₃
 2000 EH₇₈ = 1998 WR₃₇
 2000 EQ₇₈ = 1983 CR₂
 2000 EG₇₉ = 1998 VQ₅₂
 2000 EH₇₉ = 1977 DZ₇
 2000 ES₇₉ = 1979 OW
 2000 ET₈₁ = 1998 WY₄₁ = 1998 XQ₉₇
 2000 EM₈₅ = 1998 SJ₆₈
 2000 ES₈₅ = 1990 QW₁₁ = 1990 SR₁₉
 2000 EG₈₇ = 1991 SD₄
 2000 EV₉₄ = 1998 VJ₇
 2000 EH₉₅ = 1991 PA₁₃ = 1991 RD₄₂
 2000 EK₉₅ = 1976 JG₆
 2000 EB₉₆ = 1998 UC₃₅
 2000 EG₁₀₃ = 1998 VQ₄₄
 2000 EO₁₀₃ = 1998 XT₉₀
 2000 EA₁₀₄ = 1987 YS₃
 2000 EH₁₀₇ = 1997 HV₁₂
 2000 ET₁₀₇ = 1976 JL₃
 2000 EV₁₁₀ = 1998 WT₃₈
 2000 EG₁₁₂ = 1993 OJ₃
 2000 EV₁₁₄ = 1998 SF₁₄₈
 2000 EO₁₁₅ = 1998 SO₃₈
 2000 EQ₁₁₈ = 2000 EB₁₆₇
 2000 EN₁₁₉ = 1998 WV₃₃
 2000 EC₁₂₀ = 1998 ST₂₉
 2000 EE₁₂₀ = 2000 EC₁₆₇
 2000 ET₁₂₁ = 1998 WX₁₁
 2000 ES₁₂₃ = 1996 AV₁₈
 2000 EU₁₂₃ = 1993 ST₈
 2000 EV₁₂₃ = 1998 SH₁₂₆
 2000 EM₁₂₆ = 1993 RY₂
 2000 EH₁₂₉ = 1993 FF₁₀
 2000 EJ₁₃₅ = 1998 XD₉₉
 2000 EP₁₃₆ = 1991 PB₂₆
 2000 EQ₁₃₇ = 1990 SR₂₄
 2000 EA₁₄₀ = 1998 UC₄₃
 2000 EU₁₄₄ = 1995 YF₉
 2000 EK₁₄₅ = 2000 GQ₁₈₃
 2000 EQ₁₄₈ = 1990 RN₁₄
 2000 EE₁₅₁ = 1978 GE₅
 2000 EL₁₅₃ = 1998 SR₁₅₂
 2000 EL₁₅₈ = 1987 EU
 2000 EM₁₅₈ = 1971 GL = 1987 DK₃
 2000 EB₁₆₅ = 1998 VH₅₂
 2000 EY₁₆₉ = 1998 XD₉₃
 2000 EC₁₇₁ = 1998 XH₉₉
 2000 EP₁₇₄ = 1997 NV₁ = 2000 EX₂₀₀
 2000 ER₁₈₅ = 1998 RW₁₇
 2000 EV₁₈₅ = 1996 EC₅
 2000 EZ₁₈₅ = 1976 UF₁₀
 2000 EB₁₈₆ = 1991 RC₄₁
 2000 FE₁ = 1984 YH₆ = 1991 JA₇
 2000 FL₇ = 1995 OF₂
 2000 FD₁₁ = 1996 FF₃
 2000 FQ₁₁ = 1998 YN₂₆
 2000 FS₁₁ = 1986 XU
 2000 FY₁₁ = 1998 XQ₄₁
 2000 FQ₁₅ = 2000 EF₇₅ = 2000 EW₂₀₀
 2000 FU₁₅ = 1991 PL₂₂ = 1998 QH₅₀
 2000 FZ₁₅ = 1998 YC₂₈
 2000 FU₁₆ = 1997 JG₉
 2000 FL₁₇ = 1996 HY₂₁
 2000 FT₁₇ = 1989 CH₆
 2000 FS₁₈ = 1999 AH₃₈
 2000 FB₁₉ = 1998 VE₅₅
 2000 FA₂₂ = 1998 WK₃₄
 2000 FP₂₄ = 1996 RO₂₄ = 1999 CQ₁₀₇
 2000 FM₂₆ = 1990 QR₆
 2000 FP₂₇ = 1998 VD₅₅
 2000 FS₂₇ = 1997 TE₁₅
 2000 FZ₂₇ = 1976 UA₁₄
 2000 FM₃₁ = 1979 DW
 2000 FZ₃₁ = 1998 XX₄₅
 2000 FR₃₆ = 1987 DD₄
 2000 FC₃₇ = 1981 XF
 2000 FJ₃₇ = 1998 WC₄₁
 2000 FK₃₉ = 1989 EF₈
 2000 FR₃₉ = 1991 HD₂
 2000 FX₃₉ = 1998 VP₄₆
 2000 FX₄₀ = 1989 VQ₅

2000 FK₄₂ = 1998 VV₅₁
 2000 FN₄₄ = 1997 SQ₃₅
 2000 FK₄₉ = 1989 CA₈
 2000 FS₄₉ = 1981 EO₄₉
 2000 FV₄₉ = 1987 DF₄
 2000 FF₅₀ = 1979 FZ₃
 2000 FK₅₁ = 1999 AP₂₉
 2000 FO₅₅ = 1995 HF₄
 2000 FS₅₅ = 1998 XR₁₄
 2000 FF₅₆ = 1999 CC₈
 2000 FS₅₆ = 1998 YX₁₃
 2000 FB₅₇ = 1998 XM₈₃
 2000 FF₅₇ = 1998 XP₆₀
 2000 FB₅₉ = 1996 GT₁₈ = 1998 SR₁₅₅
 2000 FA₆₅ = 1995 EK₃
 2000 FR₆₆ = 1981 SL₇ = 1981 WH₅ = 1998 YR₂₂
 2000 FX₇₂ = 1993 TB₂₄
 2000 FT₇₃ = 1995 YO₁₃ = 1996 FH₁₅
 2000 GL₅ = 1989 EX₇
 2000 GO₅ = 1997 SC₃₁
 2000 GG₉ = 1998 VJ₄₄
 2000 GY₁₁ = 1999 BS₁₈
 2000 GD₁₂ = 1996 GT₁₇
 2000 GL₂₁ = 1998 RF₄
 2000 GS₂₁ = 2000 FD₅₄ = 1989 YF₇ = 1993 SH₁₁ = 1998 XR₇₈
 2000 GM₂₂ = 1975 PP = 1998 VM₁₀
 2000 GG₂₄ = 1997 SB₁
 2000 GH₂₄ = 1987 CR = 1998 SK₄₂
 2000 GS₂₆ = 1990 RO₁₆ = 1990 SH₂₂
 2000 GY₂₆ = 1995 CJ₈
 2000 GQ₂₈ = 1998 SC₁₁₅
 2000 GH₃₃ = 1996 HB₁₁
 2000 GY₃₇ = 1994 WJ₆
 2000 GM₃₈ = 1998 SN₉₇
 2000 GJ₃₉ = 1993 FT₄₉
 2000 GO₄₂ = 1998 XS₅₅
 2000 GS₄₂ = 1982 SF₅ = 1982 ST₉ = 1986 TS₁₀ = 1990 VW₁₁
 2000 GH₄₃ = 2000 JD₈₁ = 1999 CO₁₄₀
 2000 GO₄₅ = 1998 XN₇₅
 2000 GB₄₆ = 1993 RN₂₀ = 1998 XE₆₀
 2000 GU₅₂ = 1999 CY₃₁
 2000 GG₅₃ = 1981 UK₄
 2000 GK₅₃ = 1998 TY₁₂
 2000 GG₅₅ = 1990 FR₄
 2000 GJ₅₆ = 1998 VF₄₇
 2000 GR₆₃ = 1990 SL₁₃ = 1997 OB₃
 2000 GC₆₅ = 1998 WD₄₀
 2000 GL₇₁ = 1998 WY₁₁
 2000 GY₇₂ = 1998 VJ₄₇
 2000 GL₇₄ = 1973 VM
 2000 GC₇₆ = 1978 GJ₃
 2000 GX₈₂ = 1993 SG₁₅ = 1998 XH₄₁

2000 GB₈₃ = 1998 XG₅₇
 2000 GJ₈₅ = 1979 HY₃
 2000 GB₈₆ = 1993 NK₂
 2000 GL₈₆ = 1998 QY₅₃
 2000 GH₉₁ = 1989 TO₉
 2000 GN₉₃ = 1979 FD₄
 2000 GU₉₆ = 1975 VO₇
 2000 GF₉₈ = 1998 XO₃₄
 2000 GZ₉₉ = 1998 WY₃₈
 2000 GB₁₀₂ = 1991 PL₂₁ = 1998 XZ₉₈
 2000 GR₁₀₃ = 1993 FK₄₁ = 1994 RP₃
 2000 GD₁₀₅ = 1976 UE₁₇
 2000 GG₁₀₅ = 1993 HQ₂ = 1997 OX₂
 2000 GB₁₀₈ = 1977 RM₁₂
 2000 GX₁₀₈ = 1984 YJ₃
 2000 GP₁₀₉ = 1998 VR₅₂
 2000 GR₁₀₉ = 1997 QE₃
 2000 GM₁₁₀ = 1988 DP₃ = 1991 RJ₃₅ = 1998 YD₁₁
 2000 GX₁₁₃ = 2000 GA₁₅₅
 2000 GY₁₁₅ = 2000 GW₁₅₅ = 1998 VC₅₅
 2000 GA₁₁₆ = 1992 SS₇
 2000 GP₁₁₈ = 1993 TK₄₄
 2000 GC₁₁₉ = 1996 FS₃
 2000 GE₁₁₉ = 1993 RP₁₇
 2000 GD₁₂₀ = 1998 SE₁₅₁
 2000 GW₁₂₂ = 1984 YU₄ = 1990 DZ₅
 2000 GN₁₂₄ = 1998 VE₅₁
 2000 GU₁₂₅ = 1989 VQ₃ = 1998 XH₅₁
 2000 GX₁₂₅ = 1998 XO₈₂
 2000 GZ₁₂₅ = 1986 EV₄
 2000 GP₁₂₆ = 1969 KE = 1990 QG₁₁ = 1990 RH₁₂
 2000 GA₁₂₇ = 1990 SM₁₀
 2000 GJ₁₂₇ = 1978 NT₂ = 1992 AS₃
 2000 GD₁₃₆ = 1979 MR
 2000 GW₁₃₆ = 1987 YZ₁
 2000 GG₁₃₇ = 1972 JH₁ = 1989 LO
 2000 GN₁₃₇ = 1991 RP₃₂
 2000 GS₁₄₁ = 1996 JQ₄ = 1998 XM₄₈
 2000 GY₁₄₁ = 1999 CQ₈₃
 2000 GL₁₄₂ = 1996 KH₁
 2000 GB₁₄₈ = 1997 LD₁₅
 2000 GG₁₄₈ = 1997 XT₇ = 1998 YS₁₅
 2000 GV₁₄₉ = 1998 SD₈₉
 2000 GF₁₅₃ = 1981 UM₁₃ = 1998 XF₈₁
 2000 GN₁₅₄ = 1998 YK₁₄
 2000 GW₁₅₆ = 1997 WR₁₀
 2000 GC₁₅₉ = 1997 XR₁₂
 2000 GV₁₅₉ = 1995 WQ₂₆
 2000 GG₁₆₀ = 1998 XJ₄₅
 2000 GQ₁₆₀ = 1989 TS₈ = 1998 VP₃₀
 2000 GW₁₆₀ = 1995 MC₁
 2000 GG₁₆₁ = 1979 QU = 1998 YU₁₂

2000 GH₁₆₁ = 1978 PF₅
 2000 GF₁₆₃ = 1984 BN₄
 2000 GU₁₆₃ = 1028 T-1
 2000 GN₁₆₅ = 1993 FB₇₉
 2000 GG₁₆₆ = 6788 P-L
 2000 GB₁₆₇ = 1997 RR₆
 2000 GD₁₆₇ = 1998 MP₁₉
 2000 GB₁₆₉ = 1999 CG₁₂₄
 2000 GW₁₇₁ = 1998 TO₂₆
 2000 GL₁₇₂ = 1998 RT₆₀
 2000 GK₁₇₄ = 1980 FO₂ = 1994 NU₁₀
 2000 GO₁₇₈ = 1997 RZ₂
 2000 HW = 1998 XA₆₉
 2000 HS₃ = 1998 TF₁₂
 2000 HN₅ = 1996 VE₄₁
 2000 HM₇ = 1982 UX₃ = 1999 BY₂₂
 2000 HU₇ = 1987 YK₃
 2000 HF₈ = 1993 TO₄₅
 2000 HN₉ = 1998 YO₃₁
 2000 HY₁₂ = 1997 WN₃₃
 2000 HJ₁₆ = 1996 ER₈ = 1998 XJ₇₂
 2000 HM₁₈ = 1993 TP₃₁
 2000 HK₂₀ = 1996 EM₁₂
 2000 HZ₂₂ = 1979 QD₁₀ = 1979 ST₆ = 1988 PS₄ = 1988 RM₁₃ = 1999 CA₆₃
 2000 HM₂₅ = 1984 UQ₂
 2000 HK₂₇ = 1993 BJ₈
 2000 HK₂₈ = 1998 XX₂₆
 2000 HU₃₁ = 1999 BQ₂₀
 2000 HW₃₁ = 1997 WK₄₉ = 1999 CG₅₄
 2000 HZ₃₃ = 1993 SZ₉
 2000 HK₃₄ = 1998 XG₆₅
 2000 HK₃₅ = 1982 JJ₂
 2000 HO₃₆ = 1995 CU₆
 2000 HO₃₉ = 1999 CD₁₂₃
 2000 HN₄₀ = 1999 CF₉₄
 2000 HZ₄₁ = 1995 EF₃
 2000 HS₄₄ = 1998 VC₁₆
 2000 HY₄₄ = 1990 QX₁₅
 2000 HH₄₈ = 1989 PA₁
 2000 HA₄₉ = 1999 CL₁₁₀
 2000 HJ₄₉ = 1998 VF₅₀
 2000 HF₅₂ = 1993 UU₄ = 1999 CL₁₂₇
 2000 HX₅₂ = 1998 WV₃₉
 2000 HZ₅₄ = 1999 CM₇₅
 2000 HA₅₇ = 1996 KM₈ = 2000 JU₁₆
 2000 HE₅₈ = 1999 CA₁₄₆ = 1999 CD₁₄₇ = 1979 QR
 2000 HU₆₁ = 1999 GQ₅₄
 2000 HP₆₂ = 1999 BR₃₄
 2000 HU₆₂ = 2000 JY₁₅
 2000 HU₆₄ = 1997 WL₅₆
 2000 HJ₆₆ = 1999 AN₃₈
 2000 HW₆₆ = 1998 XZ₉₇
 2000 HP₇₀ = 1995 EB₆
 2000 HZ₇₀ = 1998 XT₇₅
 2000 HC₇₆ = 1986 SB₃
 2000 HL₇₆ = 1999 CS₃₅
 2000 HT₈₁ = 1999 CN₁₇
 2000 HP₈₃ = 1998 XN₃₂
 2000 HS₈₃ = 1998 XP₇₈
 2000 HU₈₄ = 1986 XE = 1998 WO₄₂
 2000 HX₈₅ = 1995 FS₁₈
 2000 HG₈₈ = 1982 JN₁
 2000 HD₈₉ = 2000 JP₈₄ = 1998 VK₄₁
 2000 HX₈₉ = 1999 BQ₃₄
 2000 HD₉₇ = 1993 FG₄₈ = 1994 TH₅
 2000 HN₁₀₀ = 1990 UV₅ = 1999 BB₁₇
 2000 JV₂ = 1993 QV
 2000 JY₃ = 1997 HD = 1998 WE₁
 2000 JS₅ = 1991 LD₇
 2000 JR₆ = 1991 PY₂₄ = 1999 CP₉₆
 2000 JH₉ = 2681 T-3 = 1991 PH₂₄
 2000 JK₁₁ = 1999 CN₁₂₄
 2000 JR₁₁ = 1999 BP₁₈
 2000 JW₁₅ = 2000 GZ₁₀₇
 2000 JA₁₇ = 1987 SD₃
 2000 JP₁₇ = 1996 FT₈
 2000 JO₁₈ = 1991 RR₁₁
 2000 JG₂₀ = 1998 UE₃₂
 2000 JW₂₀ = 1996 RX₂₅ = 1999 CP₁₃₄
 2000 JV₂₅ = 1996 FH₂₀
 2000 JW₂₅ = 1997 WO₂₇
 2000 JF₂₉ = 1993 TD₄₅
 2000 JL₄₀ = 1998 YW₃₁
 2000 JO₄₁ = 1995 DG₅
 2000 JW₄₁ = 1996 FB₆
 2000 JH₄₂ = 1995 GJ₁ = 1999 CA₂₈
 2000 JO₄₇ = 1999 DJ₅
 2000 JS₄₇ = 1991 TE₁₂ = 1998 XR₆₈
 2000 JE₄₉ = 1999 CM₉₂
 2000 JE₅₁ = 1999 CJ₆₃
 2000 JH₅₃ = 1977 XT₂ = 1994 CH₂₀ = 1997 WV₃₃
 2000 JT₅₄ = 1997 WF₁₀
 2000 JE₅₅ = 1998 XS₉₄
 2000 JW₅₅ = 1998 BT₂₁
 2000 JN₅₆ = 1979 OE₉
 2000 JV₅₆ = 1997 XE₄
 2000 JR₅₇ = 1989 RE₅ = 1996 LQ₅
 2000 JF₆₅ = 1982 BP₄ = 1999 CW₂₄
 2000 JL₆₅ = 1991 JO₄ = 1999 DG₅
 2000 JY₆₅ = 1982 BK₇ = 1990 AH
 2000 JJ₆₆ = 1999 GX₃₇
 2000 JU₆₆ = 1999 FP₃₇
 2000 JB₆₉ = 1998 XH₂₇
 2000 JC₆₉ = 1998 XT₄₉

2000 JM₆₉ = 1999 FK₅₀
 2000 JY₆₉ = 1994 CS₁₄
 2000 JG₇₀ = 1979 FZ = 1999 BJ₁₇
 2000 JP₇₀ = 1999 BY₂₃
 2000 JL₇₁ = 1980 PN₁
 2000 JE₇₂ = 1999 CB₁₁₇
 2000 JL₇₂ = 1999 CA₇₀
 2000 JF₇₃ = 1999 CQ₉₆
 2000 JO₇₃ = 1999 CX₁₀₂
 2000 JQ₇₃ = 1996 SF₇
 2000 JW₇₃ = 1993 FZ₅₆
 2000 JZ₇₃ = 3366 T-2
 2000 JO₇₄ = 1993 SM₉
 2000 JQ₇₅ = 1997 NE₄ = 1998 YG₂₉
 2000 JR₇₅ = 1998 XM₉₈
 2000 JX₇₅ = 1998 XE₉₉
 2000 JN₇₆ = 1983 CO = 1998 XA₇₅
 2000 JK₈₁ = 1991 VV₁₅ = 1995 KX
 2000 JP₈₃ = 3266 T-2 = 1999 CD₁₇
 2000 JA₈₄ = 1998 XT₉₄
 2000 KS₂ = 1999 FT₅₄
 2000 KX₃ = 1996 GT₁₆
 2000 KD₄ = 1978 UR₆
 2000 KA₆ = 1999 FY₄₁
 2000 KF₆ = 1999 FE₅₀
 2000 KT₆ = 1964 TP₂ = 1978 UW₂ = 1994 CH₁₁ = 1999 GF₃₈
 2000 KW₆ = 1999 CL₅₉
 2000 KM₇ = 1999 GR₄₇
 2000 KS₇ = 1997 WA₁₁
 2000 KW₇ = 1999 CN₃₁
 2000 KJ₈ = 1999 CN₁₁₆
 2000 KY₈ = 1997 SN₃₄
 2000 KE₉ = 2000 JA₈₇ = 1999 GZ₁₁
 2000 KF₉ = 1993 OZ₁₂
 2000 KY₁₃ = 1997 WA₂₀
 2000 KA₁₄ = 1998 XS₅₁
 2000 KG₁₆ = 1996 VB₂₁
 2000 KN₁₆ = 1981 UP₉ = 1985 UX₁ = 1991 CR₂ = 1992 LU₂ = 1999 DD₆
 2000 KH₁₈ = 1996 VR₈
 2000 KL₁₈ = 1996 RG₂
 2000 KZ₁₉ = 1997 WH₅₄
 2000 KC₂₀ = 1996 TC₄₀
 2000 KJ₂₁ = 6360 P-L = 2000 JF₇₇
 2000 KZ₂₂ = 1993 FR₅₆
 2000 KA₂₃ = 1999 CE₄₅
 2000 KF₂₄ = 1999 CO₅₂
 2000 KK₂₄ = 1999 CR₆₅
 2000 KS₂₄ = 1996 HV₇
 2000 KX₂₆ = 1987 QU₁₂ = 1997 UU₂₀
 2000 KK₂₇ = 1999 CC₁₂₈
 2000 KO₂₈ = 4842 P-L = 1996 FT
 2000 KZ₂₈ = 1996 GE₁₁

2000 KN₂₉ = 1998 BN₄
 2000 KY₂₉ = 1993 JZ
 2000 KN₃₀ = 1988 VF₁₂ = 1992 PW₃
 2000 KC₃₁ = 1996 FB₁₈
 2000 KK₃₁ = 1995 WC₂₇
 2000 KL₃₁ = 1999 GE₃₉
 2000 KM₃₁ = 1969 TB₇ = 1994 PN₃₅ = 1998 XB₉₅
 2000 KQ₃₁ = 1990 TG₁₂
 2000 KW₃₂ = 1998 XY₄₆
 2000 KZ₃₂ = 1999 FX₃₉
 2000 KJ₃₃ = 1998 XB₄₂
 2000 KN₃₃ = 1993 PZ₇
 2000 KQ₃₆ = 1985 CK₂ = 1999 CM₆₁
 2000 KA₃₇ = 1999 CY₆₃
 2000 KM₃₇ = 1995 BC₁₂
 2000 KH₃₉ = 1992 EH₃₁
 2000 KC₄₁ = 1999 AR₃₃
 2000 KE₄₂ = 1999 CP₁₃₇
 2000 KF₄₂ = 1978 RZ₄ = 1987 SD
 2000 KL₄₂ = 1993 RV = 1999 CC₅₁
 2000 KT₄₂ = 1998 VP₃
 2000 KL₄₃ = 1997 XC₆
 2000 KA₄₄ = 1996 FK₁₄
 2000 KN₄₆ = 1999 CA₄₇
 2000 KA₄₈ = 1988 RD₁₃ = 1998 XF₁₁
 2000 KG₄₈ = 1999 CT₅₆
 2000 KO₄₈ = 1995 TH
 2000 KY₄₈ = 4169 T-1 = 1999 FO₄₈
 2000 KS₄₉ = 1998 YX₂₆
 2000 KN₅₀ = 1996 GK₄
 2000 KV₅₀ = 1997 VV₅
 2000 KZ₅₀ = 1981 JM₄ = 1999 FD₄₂
 2000 KB₅₂ = 1995 DY₅
 2000 KE₅₂ = 1997 KJ
 2000 KF₅₂ = 1990 VG₁₅ = 1992 ES₇ = 1997 SU₃₄
 2000 KA₅₄ = 1996 RT₂₅ = 1999 CB₁₀₉
 2000 KJ₅₄ = 1998 DT₂ = 1999 GY₂₃
 2000 KU₅₄ = 1981 WY₇ = 1998 XN₇₆
 2000 KJ₅₅ = 1998 WX
 2000 KN₅₅ = 1991 VC₁₀
 2000 KM₅₆ = 1997 TZ₃
 2000 KO₅₆ = 1998 XT₈₇
 2000 KX₅₇ = 1976 UA₈
 2000 KE₅₈ = 1993 SG₉
 2000 KL₅₈ = 1994 CC₁₂ = 1999 CP₉₅
 2000 KN₅₈ = 1999 AC₁
 2000 KQ₅₈ = 1988 DM₁ = 1999 CB₃₂
 2000 KL₅₉ = 1999 CS₁₁₄
 2000 KB₆₀ = 1998 YN₂₅
 2000 KS₆₀ = 1993 QZ₂ = 1998 XH₈₁
 2000 KU₆₀ = 1996 AT₈
 2000 KA₆₁ = 1998 XX₉₀

2000 KO₆₁ = 1998 XV₄₆
 2000 KR₆₁ = 1999 CT₃₉
 2000 KD₆₂ = 1999 CO₉₆
 2000 KK₆₂ = 1999 BX₂₂
 2000 KM₆₂ = 1999 FK₅₇
 2000 KT₆₂ = 1999 CH₃₅
 2000 KD₆₄ = 1999 CJ₁₅₈ = 1999 FX₃₅
 2000 KX₆₄ = 1998 XJ₅₇
 2000 KJ₆₅ = 1985 QO₂
 2000 KS₆₅ = 1999 AK₂₉
 2000 KG₆₆ = 1999 CR₇₅
 2000 KZ₆₆ = 1993 KJ
 2000 KC₆₉ = 1999 CF₂₃
 2000 KQ₇₀ = 1977 DK₇ = 1996 FS
 2000 KD₇₃ = 1999 FC₄₈
 2000 KY₇₃ = 1999 AK₃₈
 2000 KE₇₇ = 1986 HG = 1997 TJ₂
 2000 KQ₈₀ = 1996 BY₁₃
 2000 KK₈₂ = 1994 VY₁
 2000 LF = 1995 DV₁₀
 2000 LO = 1996 TL₄₇
 2000 LT = 1997 WT₃₈
 2000 LU = 1973 WJ = 1999 FD₅₆
 2000 LX = 1999 GZ₁₅
 2000 LC₁ = 1997 WE₆
 2000 LN₁ = 1990 ET₉ = 1999 FK₄₅
 2000 LB₂ = 1980 VP₃ = 1999 CP₁₁₇
 2000 LF₂ = 1999 CB₁₀₄
 2000 LL₂ = 1980 XR₂ = 1999 DF₅
 2000 LM₂ = 1999 EK₁₁
 2000 LY₂ = 1978 WZ₁₁ = 1986 LH
 2000 LB₃ = 1997 WY₅₂
 2000 LO₃ = 1999 CF₉₅
 2000 LP₄ = 2243 T-1 = 1979 SD₁₅
 2000 LR₄ = 1999 CY₇₈
 2000 LU₄ = 1989 EH₁₁ = 1991 PX = 1994 CM₉ = 1996 QA₂
 2000 LQ₆ = 1998 XQ₈₉
 2000 LR₆ = 1998 YC₂₉
 2000 LN₇ = 1999 CC₁₂₄
 2000 LP₇ = 1978 RX₉ = 1996 QJ₂
 2000 LC₈ = 1998 XR₄₅
 2000 LT₈ = 1988 KD₁ = 1989 RL₁ = 1993 RO₁₆ = 1997 NQ₁₀ = 1999 FB₃₃
 2000 LU₈ = 1997 SF₂₂
 2000 LY₈ = 1997 RS₁₂
 2000 LS₉ = 1990 WY₁₄ = 1997 AK₁₄
 2000 LS₁₀ = 1996 TE₆₈
 2000 LU₁₀ = 1999 CM₆₂
 2000 LP₁₁ = 1991 JO₁
 2000 LR₁₁ = 1990 RN₆ = 1999 GN₅₉
 2000 LM₁₂ = 1992 SA₂₄
 2000 LC₁₃ = 1998 XQ₆₁
 2000 LD₁₃ = 1997 OA₂ = 1999 BS₂₃
 2000 LL₁₄ = 1997 OG₃
 2000 LN₁₅ = 1997 VW₅
 2000 LN₁₆ = 1999 GF₂₈
 2000 LQ₁₆ = 1996 GO₁₆
 2000 LH₁₇ = 1998 XQ₉₃
 2000 LQ₁₇ = 1979 MA₁ = 1999 DF₆
 2000 LR₁₇ = 1980 GX = 1999 CP₇₈
 2000 LL₁₉ = 1993 TQ₅ = 1997 WB₅₁ = 1999 CF₈₁
 2000 LM₁₉ = 1991 PZ₁₈
 2000 LQ₁₉ = 1972 TA₁ = 1980 RE₇ = 1999 GA₅₁
 2000 LT₁₉ = 1996 WX₁
 2000 LX₁₉ = 1977 XQ = 1979 HF₁ = 1981 XM₁
 2000 LZ₁₉ = 1997 SG₂₂
 2000 LK₂₀ = 1999 GJ₆₀
 2000 LM₂₀ = 1991 LF₃
 2000 LT₂₀ = 1999 DF₁
 2000 LZ₂₀ = 1990 SF₁₆
 2000 LF₂₁ = 1999 GH₃₆
 2000 LQ₂₁ = 1994 LM₉ = 1996 VH₆
 2000 LV₂₁ = 1996 HT₁₂
 2000 LU₂₂ = 1938 WJ = 1976 JU₄ = 1984 WT = 1998 HO₁₇ = 1999 JM₁₁₅
 2000 LA₂₃ = 1996 HC₈
 2000 LG₂₃ = 1999 CJ₁₁₇
 2000 LH₂₅ = 1995 BL₆
 2000 LP₂₅ = 1986 TE₃ = 1996 FE₂₁
 2000 LQ₂₆ = 1999 GN₂₄
 2000 LZ₂₆ = 1999 CD₁₁₈
 2000 LA₂₇ = 1999 CU₆₉
 2000 LG₂₇ = 1998 DR₄
 2000 LJ₂₇ = 1998 BP₂₀
 2000 LK₂₇ = 1991 CB₃ = 1999 GF₆₀
 2000 LM₂₇ = 1999 FE₁₇
 2000 LR₂₇ = 1999 JB₈₅
 2000 LT₂₇ = 1996 TV₅₉
 2000 LX₂₇ = 1950 PP = 1992 UP₉ = 1994 CY₁₈
 2000 LK₂₈ = 1978 WG₁₃ = 1999 CK₅₀
 2000 LN₂₈ = 1999 GA₂₄
 2000 LP₂₈ = 1990 SZ₉
 2000 LV₂₈ = 1991 PD₁₇ = 1999 GD₂₅
 2000 LA₃₀ = 1993 QU₈
 2000 LW₃₀ = 1999 CU₄₄
 2000 LX₃₀ = 1993 PB₆ = 1993 RX
 2000 LY₃₀ = 1999 CJ₆₅
 2000 LN₃₁ = 1998 XN₄₈
 2000 LX₃₂ = 1999 FO₄₅
 2000 LT₃₃ = 1990 SH₂
 2000 LU₃₃ = 1987 QT₆ = 1999 CG₇₅
 2000 LZ₃₃ = 1999 CK₁₁₆
 2000 LK₃₄ = 1990 SE₁₃ = 1999 FZ₅₉
 2000 LL₃₄ = 1999 GN₃₈
 2000 LS₃₄ = 1986 VF₇ = 1999 GC₆₀
 2000 LD₃₅ = 1999 CV₁₀₀

2000 LX₃₅ = 1999 FX₃₆
 2000 MB = 1986 WX₉ = 1998 XR₄₂
 2000 MH = 1986 TS₅ = 1993 OY = 1997 YD₇
 2000 ML = 1973 UC₂ = 1990 TL₁₀
 2000 MP = 1989 YZ₆
 2000 MR = 1990 JM
 2000 MU = 1994 WB₉
 2000 MV = 1993 FL₂₇
 2000 MY = 1998 WH₂₈
 2000 MB₁ = 1997 WW₂₂ = 1998 YK₅
 2000 MG₁ = 1998 YG₃₂
 2000 MH₁ = 1983 NA
 2000 MA₂ = 1999 DO₄
 2000 MP₂ = 1999 GX₅₃
 2000 MR₂ = 1990 TL₁₄ = 1999 GU₂₈
 2000 MH₃ = 1999 FY₂₁
 2000 MR₃ = 1987 SZ₂₃ = 1997 WN₄₉
 2000 MD₅ = 1999 GO₄₂
 2000 MJ₅ = 1990 EP₁ = 1998 DP₄
 2000 ML₅ = 1999 GW₁₆
 2000 MT₅ = 1992 DJ₂ = 1999 CE₇
 2000 MU₅ = 1991 AQ₁
 2000 NC = 1998 BJ₁₆
 2000 NK = 1996 EY₁
 2000 NU = 1991 JY₂ = 1998 BW₄₂
 2000 NY₁ = 1991 PC₁₇
 2000 NC₂ = 1993 SJ₇
 2000 NM₂ = 1984 OE = 1988 PV₄
 2000 NT₂ = 1995 FP₁₉
 2000 NZ₂ = 1995 YK₂₅
 2000 NN₃ = 1999 GU₃₂
 2000 NV₃ = 1999 CT₁₁₇
 2000 NW₄ = 1989 YX₂
 2000 NB₆ = 1979 UM = 1997 YU₁₉ = 1999 FH₃₆
 2000 NN₆ = 1976 JM₇ = 1999 FF₅₄
 2000 NY₆ = 1977 LL₁ = 1992 CU₆
 2000 NK₇ = 1997 RU₈
 2000 NA₁₀ = 1999 CF₁₀₂
 2000 NP₁₀ = 1990 EB₅ = 1991 PA₂₁ = 1998 BG₁₂
 2000 NY₁₀ = 1992 SD₂
 2000 NZ₁₀ = 1990 VV₉ = 1997 WR₅₅ = 1999 FE₅₈
 2000 NB₁₁ = 1995 US₅₂ = 1999 GO₅₉
 2000 NC₁₁ = 1995 AW₃
 2000 NH₁₁ = 1988 YR = 1999 GK₆₁
 2000 NX₁₇ = 1999 CP₂₆
 2000 NB₁₈ = 1999 FE₃₆
 2000 NT₂₄ = 1997 UH₂
 2000 NO₂₆ = 1996 TM₆₆
 2060 P-L = 2000 NQ₂₇
 2111 P-L = 1999 TT₁₆₀
 2168 P-L = 2000 EO₁₉₁
 2178 P-L = 2000 EJ₁₇₇
 2180 P-L = 2000 CE₁₂₁
 2182 P-L = 1999 TY₂₉
 2531 P-L = 1968 QQ₁ = 2000 LZ₃₀
 2608 P-L = 1998 VP₄₉
 2618 P-L = 2000 JM₅₅
 2656 P-L = 2000 BN₃₅
 2762 P-L = 1999 RQ₄₉
 2787 P-L = 1978 EZ₂ = 1997 HC₆ = 1998 RM₂₀
 3030 P-L = 1999 TK₁₉₁
 3067 P-L = 2000 KA₂₉
 3068 P-L = 1999 FE₂₄
 3084 P-L = 1997 SK₁₃ = 1999 FP₃₅
 4059 P-L = 2000 EB₁₉₀
 4093 P-L = 2000 GB₁₂₇
 4106 P-L = 1987 YQ₁ = 2000 KL₆₅
 4147 P-L = 1998 BC₃₆
 4191 P-L = 1999 TV₂₆₉
 4222 P-L = 1999 TQ₁₆₂
 4229 P-L = 1999 TV₂₈₆
 4238 P-L = 1999 SR₂₄
 4244 P-L = 1999 VJ₁₁₆
 4258 P-L = 1999 CU₃₀
 4538 P-L = 1999 TT₁₇₂
 4609 P-L = 1999 GE₅₇
 4707 P-L = 1999 VR₁₉₅
 4734 P-L = 2000 BJ₃₆
 4756 P-L = 1999 FY₅₁
 4853 P-L = 2000 NK₂₈
 4863 P-L = 1999 UF₄₈
 4895 P-L = 1987 SZ₂₇ = 1991 NG₆ = 1996 TW₆₂ = 1998 CG₅ = 1999 GC₃₂
 6201 P-L = 1999 TB₁₅₈
 6230 P-L = 2000 LL₂₇
 6621 P-L = 1999 GL₃₈ = 2000 LM₃₃
 6769 P-L = 1999 VK₁₈₃
 6794 P-L = 1999 TF₁₅₅
 6808 P-L = 1999 TP₇₅ = 1999 TU₂₂₆
 6810 P-L = 1998 SU₁₃₅ = 2000 CQ₇₄
 6846 P-L = 1999 TG₁₆₂
 7613 P-L = 1999 RE₁₅₇
 7628 P-L = 1999 GY₂₂
 7638 P-L = 1999 FJ₄₆
 9587 P-L = 2000 GJ₁₆₉
 1074 T-1 = 2000 JC₂₁
 1292 T-1 = 1998 ED₅
 2191 T-1 = 1999 JP₉₅
 3165 T-1 = 1998 WO₁₃
 3284 T-1 = 1995 UG₁₀ = 1998 FA₁₃₈
 3292 T-1 = 1994 RD₂₀ = 1999 VM₁₆₁
 4125 T-1 = 1996 HP₁₁ = 1997 WJ₄₃ = 1999 GH₃₁
 1085 T-2 = 1999 TX₅₉
 1245 T-2 = 2000 DG₇₇
 1295 T-2 = 1999 SJ₁₇

1308 T-2 = 2000 NX₂₂
 1322 T-2 = 1999 TU₁₂₂
 1342 T-2 = 1998 VH₁₆
 1358 T-2 = 1999 TA₂₁₇
 1806 T-2 = 1997 AS₃
 2036 T-2 = 1978 RS₁₃ = 1999 TM₁₄₆
 2143 T-2 = 1999 TT₂₈₆
 2289 T-2 = 1998 HZ₈₉ = 1999 ND₅₉
 2331 T-2 = 1999 TL₂₆₄
 2409 T-2 = 1990 EN₉ = 1990 GO₁ = 1998 SP₈₇
 2754 T-2 = 1998 HB₄₇
 3043 T-2 = 1999 TQ₁₉₉
 3090 T-2 = 1999 XW₂₄₀
 3106 T-2 = 1998 SR₇₇ = 2000 EQ₁₁₉
 3330 T-2 = 1999 TD₂₃₅
 4074 T-2 = 1999 TP₁₅₃
 5040 T-2 = 1992 EG₃₃ = 2000 EE₁₅₀
 5054 T-2 = 2000 JP₅₀
 5070 T-2 = 2000 JE₃₃
 5118 T-2 = 1999 FS₃₆ = 2000 KY₄₇
 1008 T-3 = 1999 VT₁₉₂
 1023 T-3 = 2000 JH₇₄
 1030 T-3 = 1999 VS₁₄₇
 1037 T-3 = 1999 TA₁₉₄
 1108 T-3 = 1999 VW₁₉₅
 1136 T-3 = 1987 QA₅ = 1998 YE₃₂ = 2000 KG₇₃
 1172 T-3 = 1999 TN₂₃₃
 2148 T-3 = 2000 GO₁₀₁
 2160 T-3 = 1999 TZ₁₀₃
 2197 T-3 = 1999 TO₁₁₀
 2202 T-3 = 1999 TC₅₁
 2242 T-3 = 1999 VK₁₉₂
 2354 T-3 = 1999 VE₂₁₉
 2357 T-3 = 1999 VY₁₃₂
 2384 T-3 = 2000 NE₈
 2414 T-3 = 2000 NB₂₃
 2458 T-3 = 1998 TH₂
 2499 T-3 = 1997 SK₂₄ = 2000 FZ₇₀
 2677 T-3 = 1998 RV₂₇
 3009 T-3 = 1999 TC₁₉₆
 3068 T-3 = 1999 FM₅₀
 3089 T-3 = 1999 TT₃₂
 3132 T-3 = 1999 RW₂₃₈
 3221 T-3 = 2000 FP₆₈
 3248 T-3 = 1999 VZ₉₅
 3324 T-3 = 1999 TD₂₈₉
 3425 T-3 = 1999 VF₁₇₉
 3441 T-3 = 2000 KW₁₁
 3504 T-3 = 1999 TD₁₁₉
 3510 T-3 = 1999 RJ₅₇
 3564 T-3 = 1999 VB₁₇₇
 3808 T-3 = 1999 TZ₁₇₀

4028 T-3 = 1999 EP₁₂ = 1999 GZ₄₆
 4048 T-3 = 1999 XV₂₄₉
 4149 T-3 = 1998 KR₂₂
 4198 T-3 = 1999 TY₁₄₉
 4216 T-3 = 1998 WA₄₁
 4273 T-3 = 1999 VA₁₅₁
 4302 T-3 = 1999 TA₂₅₈
 4321 T-3 = 1998 RG₃₅
 4332 T-3 = 1999 TL₂₃₅
 4353 T-3 = 1980 EY = 1986 GC₃ = 1999 SO₁₉
 4380 T-3 = 1998 LX = 1999 RQ₂₂₇
 4443 T-3 = 1993 BV₁₀
 5036 T-3 = 2000 AQ₁₀₁
 5052 T-3 = 2000 KR₃₀
 5187 T-3 = 1997 LY₉
 5622 T-3 = 2000 KH₂₈

NEW NAMES OF MINOR PLANETS

(4420) Alandreev = 1936 PB

Discovered 1936 Aug. 15 by G. N. Neujmin at Simeis.

Aleksandr Fedorovich Andreev (b. 1939), vice-president of the Russian Academy of Sciences and director of the P. Kapitsa Institute of Physical Problems in Moscow, is a specialist in the physics of low temperature and condensed matter. He predicted the so-called Andreev reflection effect.

(4431) Holeungholee = 1978 WU₁₄

Discovered 1978 Nov. 28 at the Purple Mountain Observatory.

S. H. Ho, K.-K. Leung, T. Ho and Q.-W. Lee jointly established the Holeungholee Foundation in 1994 to reward high-level Chinese achievements in science and technology and to promote the further development of those achievements.

(4617) Zadunaisky = 1976 DK

Discovered 1976 Feb. 22 at El Leoncito.

Pedro E. Zadunaisky (b. 1918), one of the most active celestial mechanics in Argentina, worked in particular on the orbits of comet 1P/Halley and Saturn IX (Phoebe). His monograph *A Guide to Celestial Mechanics* was published in 1961.

(4911) Rosenzweig = 1953 UD

Discovered 1953 Oct. 16 at the Goethe Link Observatory, Indiana University.

"Pioneers of the Zone", Jack (1919–1994) and Marcelle (b. 1929) Rosenzweig worked to help the Puerto Ordaz region of Venezuela. They built and operated a plant to make ice blocks for delivery to the mines. They manufactured baseball bats and furniture accessories from Belgian wood and opened a real estate company.

(5042) Colpa = 1974 ME

Discovered 1974 June 20 at El Leoncito.

Colpa is the word used by the Huarpe aborigines of Argentina to refer to those stones that, in their judgment, were composed of pure minerals. Agriculture and mining were the two most important activities of the Huarpes, who flourished in what is now San Juan province, where this minor planet was discovered.

(5817) Robertfrazier = 1989 RZ

Discovered 1989 Sept. 5 by E. F. Helin at Palomar.

Robert E. Frazer (b. 1918), longtime friend and colleague of the discoverer, studied optics at the University of Rochester. He has participated in and supported many

space-related programs at the Jet Propulsion Laboratory, ranging from the construction of early deep space antennas to devising a means of replicating optical mirrors.

(5997) Dirac = 1983 TH

Discovered 1983 Oct. 1 by A. Mrkos at Kleť.

Paul Adrien Maurice Dirac (1902–1984), English theoretical physicist and Nobel laureate, is known for his work in quantum mechanics, for his theory of the spinning electron and his prediction of the existence of the positron. The name was suggested by M. Tichý and Z. Moravec.

(6379) Vrba = 1987 VA₁

Discovered 1987 Nov. 15 by A. Mrkos at Kleť.

Karel Vrba (1845–1922) was professor of mineralogy at Charles University in Prague and founder of the mineralogical collections in the National Museum of Prague, including meteorites. The name was suggested by J. Tichá and M. Šolc.

(6508) Rolčík = 1982 QM

Discovered 1982 Aug. 22 by A. Mrkos at Kleť.

Viktor Rolčík (1884–1954) was a Czech optician and telescope maker. The 0.31-m reflector, the main telescope of the České Budějovice Observatory, was made by Rolčík in 1937. The name was suggested by J. Tichá and M. Tichý.

(6954) Potemkin = 1987 RB₆

Discovered 1987 Sept. 4 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Russian grand duke Grigorij Aleksandrovich Potemkin (1739–1791) was a statesman, field marshal, diplomat and long the principal confidant of Catherine the Great.

(7201) Kuritariku = 1994 UF₁

Discovered 1994 Oct. 25 by S. Otomo at Kiyosato.

A broadcaster with KOFU-FM, Hiroe Kurimoto (b. 1961), whose radio name is Kuritariku, is an active participant in the Star Week program sponsored each August by the National Astronomical Observatory. She is also the toastmaster of star parties.

(7278) Shtokolov = 1985 UW₄

Discovered 1985 Oct. 22 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Boris Timofeevich Shtokolov (b. 1930), is a Russian singer, actor and bass soloist for the Mariinskij Theatre in St. Petersburg.

(7336) Saunders = 1989 RS₁

Discovered 1989 Sept. 6 by E. F. Helin at Palomar.

R. Stephen Saunders (b. 1940), chief scientist for the Solar System Exploration Office at the Jet Propulsion Laboratory, is the project scientist for the Mars Surveyor Program 2001/2003 mission, director of JPL's Regional Planetary Image Facility and former project scientist of the Magellan mission to Venus.

(6379) Putignano = 1994 TK₃

Discovered 1994 Oct. 11 by V. S. Casulli at the Colleverde di Guidonia.

This picturesque town in the Italian region of Puglia is famous for its carnival, grottoes and typical country houses known as “trulli”. Putignano is also the birthplace of Silvano Casulli, director of the observatory where this discovery was made.

(7961) Ercolepoli = 1994 TD₂

Discovered 1994 Oct. 10 by V. S. Casulli at the Colleverde di Guidonia.

Ercole Poli (1961–2000), fond of astronomy, was always committed to the discovery of new techniques and methodologies.

(8077) Hoyle = 1986 AW₂

Discovered 1986 Jan. 12 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Fred Hoyle (b. 1915) is the leading proponent of steady-state cosmology. He predicted an excited state in the carbon atom and contributed extensively to the study of nucleosynthesis in stars. Hoyle served as president of the Royal Astronomical Society from 1971 to 1973. The name was suggested by S. Mitton.

(8078) Carolejordan = 1986 RS₂

Discovered 1986 Sept. 6 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Carole Jordan, professor of physics at Somerville College, Oxford University, served as president of the Royal Astronomical Society (1994–1996) and as chairman of the National Organizing Committee for the Manchester IAU General Assembly (1997–2000). The name was suggested by S. Mitton.

(8079) Bernardlovel = 1986 XF₁

Discovered 1986 Dec. 4 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Bernard Lovell (b. 1913) founded Jodrell Bank Observatory, which boasts the world's first large steerable radio telescope. Lovell served as president of the Royal Astronomical Society from 1969 to 1971. The name was suggested by S. Mitton.

(8189) Naruke = 1992 YG₃

Discovered 1992 Dec. 30 by T. Hioki and S. Hayakawa at Okutama.

Giiti Naruke (b. 1949) is the first Japanese to achieve two consecutive wins at the world championship for radio-controlled airplanes, and he is making every endeavor to bring up a future champion.

(8449) Maslovets = 1977 EO₁

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

Bogdan Pavlovich Maslovets (b. 1940), an electrical engineer at Zaporozhye Transformer Works in Ukraine, began his career at this plant in 1962 as a foreman and later become one of the leaders of the enterprise.

(8470) Dudinskaya = 1982 SA₄

Discovered 1982 Sept. 17 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Ballerina Natalia Mikhailovna Dudinskaya (b. 1912) was a soloist with the Kirov Theatre of Opera and Ballet at Leningrad from 1931 to 1962. A People's artist of the U.S.S.R., she was dedicated to the traditions of Russian classical ballet.

(8529) Sinzi = 1992 UH₂

Discovered 1992 Oct. 19 by K. Endate and K. Watanabe at Kitami.

Akira M. Sinzi (b. 1922) directed the astronomical division of the Hydrographic Department of Japan and was president of IAU Commission 4 during 1979–1982. Although his death has not been confirmed, he disappeared while mountain-climbing alone in the Kanto area in 1995. The name was suggested by A. Sengoku.

(8742) Bonazzoli = 1998 CB₂

Discovered 1998 Feb. 14 by V. S. Casulli at the Colleverde di Guidonia.

Roberto Bonazzoli (1940–1996) was a friend of the discoverer. Fond of astronomy, he offered technical support, notably concerning electronics, at the Colleverde Observatory.

(8782) Bakhrakh = 1976 UG₂

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

Lev Davidovich Bakhrakh (b. 1921), a corresponding member of the Russian Academy of Sciences, is the author of fundamental and applied investigations in radiophysics antenna techniques. He developed the theory of multi-mirror antennae widely used in radioastronomy and space communication.

(8806) Fetisov = 1981 UU₁₁

Discovered 1981 Oct. 22 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Vyacheslav Aleksandrovich Fetisov (b. 1958) is an outstanding Russian sportsman, ice-hockey player and champion of two Olympic Games.

(8813) Leviathan = 1983 WF₁

Discovered 1983 Nov. 29 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

The Leviathan of Parsonstown is the nickname of the great reflecting telescope at Birr Castle, County Offaly, Ireland. Completed by the Third Earl of Rosse in 1845, the telescope was for 75 years the largest in the world. The name was suggested independently by S. Mitton and T. Moseley.

(8814) Rosseven = 1983 XG

Discovered 1983 Dec. 1 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

William Brendan Parsons, Seventh Earl of Rosse (b. 1936), was inspired to restore the 1.8-m reflecting telescope (the “Leviathan of Parsonstown”) at Birr Castle, County Offaly, Ireland, to full working order. The task took three years and was completed in 1999. The name was suggested by S. Mitton.

(8982) Oreshek = 1973 SQ₃

Discovered 1973 Sept. 25 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Oreshek is an ancient Russian fortress built in 1323. From 1612 to 1702 it was in the possession of Sweden. Peter the Great then recaptured it for Russia. It is a unique architectural and historical monument.

(9014) Svyatorichter = 1985 UG₅

Discovered 1985 Oct. 22 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Svyatoslav Teofilovich Richter (1915–1997) was a brilliant Russian pianist and People’s artist of the U.S.S.R.

(9121) Stefanvalentini = 1998 DJ₁₁

Discovered 1998 Feb. 24 by V. S. Casulli at the Colleverde di Guidonia.

Stefano Valentini (b. 1955) is an Italian amateur astronomer and able computer programmer well known for his software *WinAstrometry*, used at many Italian amateur observatories for the calculation of astrometric positions from CCD images. Since 1993 he has collaborated with the observatory where this discovery was made.

(9164) Colbert = 1987 SQ

Discovered 1987 Sept. 19 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Edwin H. Colbert (b. 1905) is a distinguished U.S. vertebrate paleontologist who has made major contributions to our knowledge of dinosaur evolution and the earth’s geological history, notably by proving the continental connection of Antarctica and southern Africa in Lower Triassic times. The name was suggested by K. Kron.

(9295) Donaldyoung = 1983 RT₁

Discovered 1983 Sept. 2 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Donald L. Young (b. 1935), recently retired from the Jet Propulsion Laboratory, was responsible for building and directing NASA/JPL’s Table Mountain Facility. In addition to conducting astronomical research, the facility is a centerpiece of the JPL educational outreach program. The name was suggested by C. Young.

(9298) Geake = 1985 JM

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

At the University of Manchester’s Institute of Science and Technology, John E. Geake (1925–1998) was well known for his laboratory interpretation of the optical polarization of the lunar and asteroidal surfaces. He invented the first direct-reading linear refractometer, one of which he designed for the Cassini-Huygens Titan probe.

(9300) Johannes = 1985 PS

Discovered 1985 Aug. 14 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Johannes Andersen (b. 1943), of the Niels Bohr Institute for Astronomy, works mainly on the chemical and dynamical evolution of the Milky Way’s disk. As IAU General Secretary (1997–2000), he has offered sage guidance on the IAU’s role with near-earth objects. The name is endorsed by B. G. Marsden and H. Rickman.

(9425) Marconcini = 1996 CM₇

Discovered 1996 Feb. 14 by M. Tombelli and U. Munari at Cima Ekar.

Massimiliano Marconcini (1955) is an amateur astronomer of the Montelupo group. A 1988 architecture graduate from the University of Florence, he designed the public observatory of Montelupo.

(9612) Belgorod = 1992 RT₇

Discovered 1992 Sept. 4 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

An industrial, scientific and cultural center in southern Russia, close to the Ukrainian border, Belgorod was mentioned in a chronicle in 1237. A fortress established in 1593 made Belgorod a key stronghold in protecting Russia’s southern border against the Tatars in the seventeenth century.

(9809) Jimdarwin = 1998 RZ₅

Discovered 1998 Sept. 13 by the Lowell Observatory Near-Earth-Object Search at Anderson Mesa Station.

James L. Darwin (b. 1939), instrument maker at Lowell Observatory, machined most of the parts for the refurbishment of the LONEOS Schmidt telescope and construction of its CCD camera.

(9838) Falz-Fein = 1987 RN₆

Discovered 1987 Sept. 4 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Baron Eduard Aleksandrovich von Falz-Fein (b. 1912) is an outstanding collector of works of art and historical documents, known for his charity. Born in Russia, his uncle Friedrich Falz-Fein was the founder in 1875 of the well-known reserve Askania-Nova in Ukraine.

(9897) Malerba = 1996 CX₇

Discovered 1996 Feb. 14 by M. Tombelli and U. Munari at Cima Ekar.

Franco Malerba (b. 1946), the first Italian astronaut, was a member of Space Mission STS-46 on board the Space Shuttle Atlantis during 1992 July 31–Aug. 8. He is working now on the development of new space activities.

(10198) Pinelli = 1996 XN₂₆

Discovered 1996 Dec. 6 by M. Tombelli and U. Munari at Cima Ekar.

Paolo Pinelli (b. 1954) is an amateur astronomer of the Montelupo group. He was the first to propose the construction of a public observatory in the city of Montelupo.

(10239) Hermann = 1998 TY₃₀

Discovered 1998 Oct. 10 by the Lowell Observatory Near-Earth-Object Search at Anderson Mesa Station.

Shawn M. Hermann (b. 1975), now at Raytheon Corporation, Tucson, was one of the first observers for LONEOS. During 1998–1999 he discovered two Apollos, an Amor and a comet.

(10283) Cromer = 1981 JE₂

Discovered 1981 May 5 by C. S. Shoemaker at Palomar.

Dedicated teachers Michael (b. 1941) and Sarah (b. 1945) Cromer, of Flagstaff, Arizona, set a standard in education for hundreds of young students. Their active concern for the learning process and involvement in the welfare of successive generations, in and out of the classroom, is an example for all.

(10295) Hippolyta = 1988 GB

Discovered 1988 Apr. 12 by C. S. Shoemaker and E. M. Shoemaker at Palomar.

Hippolyta was one of the greatest queens of the Amazons. She wore a beautiful golden girdle, a gift from her father Ares, the war-god, as a symbol of her Amazonian queenship. Heracles was sent by the Greeks to acquire the girdle, a battle took place, and beautiful Hippolyta died.

(10315) Brewster = 1990 SC₄

Discovered 1990 Sept. 23 by E. F. Helin at Palomar.

Stephen C. Brewster (b. 1945), a former member of the Palomar Planet Crossing Asteroid Survey, has had a long fascination with astronomy. He is a member of the Outer Planets project at the Jet Propulsion Laboratory and a member of the board of trustees of Stony Ridge Observatory. He discovered comet 105P.

(10370) Hylonome = 1995 DW₂

Discovered 1995 Feb. 27 by D. C. Jewitt and J. X. Luu at Mauna Kea.

Fairest of all the female centaurs, the beautiful and civilized Hylonome was in love with the handsome Cyllaros, who was accidentally killed by a javelin, thrown at a wedding. On witnessing this, Hylonome threw herself on the javelin and died.

(10638) McGlothlin = 1998 SV₅₄

Discovered 1998 Sept. 16 by the Lowell Observatory Near-Earth-Object Search at Anderson Mesa Station.

Gerald R. McGlothlin (b. 1952) was responsible for refurbishing much of the LONEOS dome, turning a bare photographic darkroom into a modern control room and computer room. In his spare time he is a skilled potter.

(10683) Carter = 1980 LY

Discovered 1980 June 10 by C. S. Shoemaker and E. M. Shoemaker at Palomar.

Carter Worth Roberts (b. 1946), president of the Eastbay Astronomical Society, is known for superlative dabbling in photography and puns and his ability to fix things. He collaborated on a safe solar-eclipse-viewing booklet and helped restore “Rachel”, the 0.5-m Brashear refractor for the Chabot Space and Science Center.

(10907) Savalle = 1997 XG₅

Discovered 1997 Dec. 6 by the OCA-DLR Asteroid Survey at Caussols.

Renaud Savalle (b. 1971), astronomical software programmer, wrote the CCD acquisition system used by the Asteroid Survey at Caussols that allowed this minor planet to be discovered. He now works at the Canada-France-Hawaii Telescope, where he is a systems programmer.

(10925) Ventoux = 1998 BK₃₀

Discovered 1998 Jan. 28 by P. Antonini at Bedoin.

Mont Ventoux is a mountain 1909 meters high in the French département of Vaucluse (Provence).

(10937) Ferris = 1998 QW₅₄

Discovered 1998 Aug. 27 by the Lowell Observatory Near-Earth-Object Search at Anderson Mesa Station.

William D. Ferris (b. 1961), a video producer-director at Northern Arizona University, has been an assiduous and successful observer for LONEOS since 1998.

(10938) Lorenzalevy = 1998 SW₆₀

Discovered 1998 Sept. 17 by the Lowell Observatory Near-Earth-Object Search at Anderson Mesa Station.

Lorenza Levy (b. 1976) has been an observer for LONEOS since mid-1999.

(10943) Brunier = 1999 FY₆

Discovered 1999 Mar. 20 by the OCA-DLR Asteroid Survey at Caussols.

Serge Brunier (b. 1958) worked as a reporter and editor -in-chief of *Ciel et Espace* magazine and wrote several articles on the world’s observatories. Author of several popular astronomy books, he has a weekly astronomy program on French radio.

(11121) Malpighi = 1996 RD₁

Discovered 1996 Sept. 10 by V. Goretti at Pianoro.

Marcello Malpighi (1628–1694) holds a prominent position in the history of medicine and biology, working in Pisa, Bologna, Messina and Rome. A pioneer in the use of the microscope in anatomy, he made fundamental studies of the lungs. He later made contributions in hematology and embryology.

(11142) Facchini = 1997 AP₁₇

Discovered 1997 Jan. 7 by V. S. Casulli at the Colleverde di Guidonia.

Renato Facchini (b. 1917) is a well-known Italian amateur astronomer who also builds and repairs telescopes.

(11144) Radiocomunicata = 1997 CR₁

Discovered 1997 Feb. 2 by J. Tichá and M. Tichý at Kleť.

The twentieth century can be called the age of communication. The staff of the Kleť broadcasting tower, providing radio, television and radio-relay connections to south Bohemia since 1959, embodies the spirit of communication.

(11147) Delmas = 1997 XT₅

Discovered 1997 Dec. 6 by P. Antonini at Bedoin.

Robert Delmas (b. 1955) is a French aeronautical engineer. Deeply interested in astronomy, he has devoted much time to AUDE, the Association des Utilisateurs de Détecteurs Electroniques.

(11158) Cirou = 1998 AJ₆

Discovered 1998 Jan. 8 by the OCA-DLR Asteroid Survey at Caussols.

Alain Cirou (b. 1958) is editor of *Ciel et Espace* magazine. He began working for the Association Française d'Astronomie in 1981 and has brought its magazine to its current monthly readership of 70 000. He has also popularized astronomy on radio and television.

(11187) Richoliver = 1998 KO₄

Discovered 1998 May 22 by the Lowell Observatory Near-Earth-Object Search at Anderson Mesa Station.

Richard C. Oliver (b. 1948), an electronics specialist at the Lowell Observatory, spearheaded the extensive electrical overhaul of the LONEOS dome, including its Schmidt telescope, control room and computer room.

(11202) Teddunham = 1999 FA₁₀

Discovered 1999 Mar. 22 by the Lowell Observatory Near-Earth-Object Search at Anderson Mesa Station.

Edward W. Dunham (b. 1952), an astronomer at the Lowell Observatory, is a co-discoverer of the rings of Uranus and a designer of instruments for both groundbased and space applications. His current research concerns the detection of extrasolar planets by means of photometry.

(11311) Peleus = 1993 XN₂

Discovered 1993 Dec. 10 by C. S. Shoemaker and E. M. Shoemaker at Palomar.

Peleus, king of the Myrmidons in Thessaly, helped Heracles conquer Troy. He was married to the goddess Thetis—the only instance where a goddess married a mortal. He was also the father of Achilles. Too old to take part in the Trojan War, he gave his golden armor to his son.

(11313) Kügelgen = 1994 GE₁₀

Discovered 1994 Apr. 3 by F. Börngen at Tautenburg.

Gerhard von Kügelgen (1772–1820) and his son Wilhelm (1802–1867) were prominent German painters. The former portrayed Goethe and Schiller. The latter wrote the famous memoirs *Jugenderinnerungen eines alten Mannes*, a witty report on the civil and courtly life of the early nineteenth century.

(11338) Schiele = 1996 TL₉

Discovered 1996 Oct. 13 by J. Tichá and M. Tichý at Kleť.

Egon Schiele (1890–1918), Austrian expressionist painter noted for the eroticism of his figurative works, lived and worked in Český Krumlov from 1907 to 1917.

(11349) Witten = 1997 JH₁₆

Discovered 1997 May 3 by E. W. Elst at the European Southern Observatory.

Edward Witten (b. 1951) is a physicist at the Institute for Advanced Study in Princeton and one of the premier theoretical physicists of our time. He has made fundamental contributions to particle physics and string theory. In 1990 he was awarded the Fields Medal, the highest prize in mathematics.

(11364) Karlštejn = 1998 FB₃

Discovered 1998 Mar. 23 by P. Pravec at Ondřejov.

The Gothic castle at Karlštejn was built in 1348 by Charles IV in the Kingdom of Bohemia, 27 km from the capital, Prague, to guard the crown jewels and state charters. The castle has survived well preserved to the present day, and it symbolizes Czech statehood within Europe. The name was suggested by Z. Ceplecha.

(11374) Briantaylor = 1998 QU₆₀

Discovered 1998 Aug. 23 by the Lowell Observatory Near-Earth-Object Search at Anderson Mesa Station.

Brian W. Taylor (b. 1964), a Lowell Observatory instrumentation software specialist, designed the controller for LONEOS and other observatory CCD cameras.

(11377) Nye = 1998 SH₅₉

Discovered 1998 Sept. 17 by the Lowell Observatory Near-Earth-Object Search at Anderson Mesa Station.

Ralph A. Nye (b. 1945), Lowell Observatory's instrument designer, used his considerable technical skills to transform into reality somewhat vague ideas about what LONEOS should look like and how it should function.

(11401) Pierralba = 1999 AF₂₅

Discovered 1999 Jan. 15 by the OCA-DLR Asteroid Survey at Caussols.

Pierre Albanese (b. 1992) showed a great interest in the sky, being able to recognize the major planets while he was only four years old. He made drawings inspired by the images obtained by his father, Caussols astronomer Dominique Albanese.

(11524) Pleyel = 1991 PY₂

Discovered 1991 Aug. 2 by E. W. Elst at the European Southern Observatory.

Ignaz Jozef Pleyel (1757–1831) was an Austro-French composer who became famous as a piano builder. In 1795 he settled in Paris, where he founded a piano manufacturing company in 1807. The famous Polish-French composer Chopin preferred the Pleyel grand piano for performing his compositions.

(11581) Philipdejager = 1994 PK₉

Discovered 1994 Aug. 10 by E. W. Elst at the European Southern Observatory.

Philip de Jager (b. 1969) is a Belgian percussionist. A brilliant student at the Antwerp Conservatory, he now performs with several Belgian orchestras. He has also performed for the musicals *Les Misérables* and *The Phantom of the Opera*.

(11675) Billboyle = 1998 CP₂

Discovered 1998 Feb. 15 by P. Antonini at Bedoin.

William Boyle (b. 1924) co-invented the CCD while at Bell Laboratories in 1969. This device has revolutionized both amateur and professional astronomy. This minor planet was automatically detected by a CCD during an amateur survey.

(11740) Georgesmith = 1998 UK₆

Discovered 1998 Oct. 22 by the OCA-DLR Asteroid Survey at Caussols.

Georges Smith (b. 1930) co-invented the CCD while at Bell Laboratories in 1969. This device has revolutionized both amateur and professional astronomy. This minor planet was automatically detected by a CCD during a professional survey.

(12042) Laques = 1997 FC

Discovered 1997 Mar. 17 by C. Buil at Ramonville St Agne.

Pierre Laques (b. 1934) started his career at the private observatory of the Chateau D'Abadia near Hendaye, moving to the Pic du Midi, where the 1-m telescope had just been built. He is one of the codiscoverers of the satellite Saturn XII (Helène).

(12053) Turtlestar = 1997 PK₂

Discovered 1997 Aug. 9 at the Starkenburg Observatory, Heppenheim.

The Turtle Star Observatory, located in Mülheim/Ruhr, Germany, contributed follow-up observations for this object. This private observatory was built in 1995 by A. Boeker, K. Kleemann-Boeker, A. Martin and M. Tator and is named for a neighbor's turtle, which observed the construction with apparent great interest.

(12064) Guiraudon = 1998 FZ₁₅

Discovered 1998 Mar. 28 by the OCA-DLR Asteroid Survey at Caussols.

In 1961 Jean-Claude Guiraudon founded the Fédération Nationale des Clubs Scientifiques, which later evolved into the Association Nationale Sciences Techniques Jeunesse. He now works at the international level with MILSET, the Mouvement International pour le Loisir Scientifique Et Technique, which he helped create.

(12237) Coughlin = 1987 HE

Discovered 1987 Apr. 23 by C. S. Shoemaker and E. M. Shoemaker at Palomar.

Thomas B. Coughlin (b.1941) served as NEAR project manager throughout the development, launch and mission phases of this Discovery program. As program manager for Johns Hopkins Applied Physics Laboratory's Space Department, he accomplished several fast-track SDI programs.

(12414) Bure = 1995 SR₂₉

Discovered 1995 Sept. 26 by T. V. Kryachko at the Zelenchukskaya Station of the Engelhardt Observatory.

Pavel Bure (b. 1971) is an outstanding Russian sportsman, a world hockey champion and star of the National Hockey League. He is called the "Russian rocket". The name also honors all the Bure dynasty known in Russia.

(12448) Mr. Tompkins = 1996 XW₁₈

Discovered 1996 Dec. 12 by M. Tichý and Z. Moravec at Kleť.

Mr. Tompkins is the bank clerk well known from George Gamow's popular books *Mr. Tompkins in Wonderland* and *Mr. Tompkins Explores the Atom*. His fantastic dreams and adventures help explain Einstein's theory of relativity, cosmology, atomic structure and quantum theory.

(12575) Palmaria = 1999 RH₁

Discovered 1999 Sept. 4 by P. Pietrapiana and L. Sannino at Monte Viseggi Observatory.

Palmaria is the most important island in the gulf of La Spezia, famous for its old quarry of a rare golden marble nicknamed "Portoro".

(12580) Antonini = 1999 RM₃₃

Discovered 1999 Sept. 8 by L. Bernasconi at St. Michel sur Meurthe.

Pierre Antonini is a retired mathematics professor who has discovered many minor planets and a supernova at his private observatory, using first a 16-cm telescope, now a 30-cm telescope.

(12753) Povenmire = 1993 HE

Discovered 1993 Apr. 18 by C. S. Shoemaker and E. M. Shoemaker at Palomar.

Katie Povenmire, a coronary critical care nurse, is a skilled observer of the skies with her husband Hal Povenmire. Meteor showers, lunar grazes and occultations for determining the diameters of minor planets come under her discerning eye. Katie understands well the joy and success of team work.

(12800) Oobayashiarata = 1995 WQ₇

Discovered 1995 Nov. 27 by T. Kobayashi at Oizumi.

Arata Oobayashi (1957–1999) was a Japanese amateur astronomer and computer engineer. He was also famous as a photographic artist, leaving excellent astronomical photographs. The name was suggested by M. Namiki.

(12835) Stropek = 1997 CN₁₃

Discovered 1997 Feb. 7 at Kleť.

Václav Stropek (b.1938) has been a long-time technician at the Kleť Observatory.

(12868) Onken = 1998 MZ₇

Discovered 1998 June 19 by the Lowell Observatory Near-Earth-Object Search at Anderson Mesa Station.

Christopher S. Onken (b.1979) was a summer student at the Lowell Observatory in 1998. As an observer, he made the first LONEOS near-earth-asteroid discovery and suggested many useful improvements to the observing protocol.

(13028) Klaustschira = 1989 GQ₆

Discovered 1989 Apr. 5 by M. Geffert at the European Southern Observatory.

Klaus Tschira, co-founder of a software giant, is a lover and supporter of astronomy. In 1995 he established the Klaus Tschira Foundation to further the development of science and technology and to encourage international scientific cooperation.

(13084) Virchow = 1992 GC₈

Discovered 1992 Apr. 2 by F. Börngen at Tautenburg.

German pathologist Rudolf Virchow (1821–1902) was the founder of cellular pathology and a pioneer in modern anthropology and prehistoric research. He also promoted public health care. His textbook *Handbuch der speziellen Pathologie und Therapie* explored new paths.

(13086) Sauerbruch = 1992 HS₄

Discovered 1992 Apr. 30 by F. Börngen at Tautenburg.

German surgeon Ernst Ferdinand Sauerbruch (1875–1951) devised many improvements in surgical procedures, including the so-called pressure-difference procedure in thoracic surgery. He devised artificial limbs that move voluntarily after amputation by using the muscles of the stump.

(13121) Tisza = 1994 CN₉

Discovered 1994 Feb. 7 by E. W. Elst at the European Southern Observatory.

The Tisza is a major tributary of the Danube river, with its source in the Carpathian Mountains. The Tisza flows through a small portion of Ukraine and then into Hungary. The river has recently been heavily polluted by cyanide, endangering its fauna.

(13260) Sabadell = 1998 QZ₁₅

Discovered 1998 Aug. 23 by F. Casarramona and A. Vidal at the Montjoia Observatory.

The Agrupació Astronòmica de Sabadell celebrated its 40th anniversary on 2000 Apr. 14. It is the most important amateur astronomical society in Spain. The discoverers belong to this society.

(13395) Deconihout = 1999 RH₃₅

Discovered 1999 Sept. 10 by L. Bernasconi at St. Michel sur Meurthe.

A French amateur astronomer who applies his skills to telescope construction, Serge Deconihout is the founder Valmecca, a company at the Haute Provence Observatory that produces large telescopes for both amateurs and professionals.

(13396) Midavaine = 1999 RU₃₈

Discovered 1999 Sept. 11 by L. Bernasconi at St. Michel sur Meurthe.

Thierry Midavaine is vice-president of the Association Française d'Astronomie. A dedicated observer, he is also a skilled optic-electronics engineer. For many years he has helped amateur astronomers improve their observations by using image-intensifier tubes.

(13411) OLRAP = 1999 UO₇

Discovered 1999 Oct. 31 by P. Antonini at Bedoin.

OLRAP, the Orchestre Lyrique de Région Avignon Provence, was established in Avignon in 1982. The discoverer chose this name also to honor his wife, Marie-Françoise, who plays timpani in this orchestra.

(13437) Wellton-Persson = 1999 WF₈

Discovered 1999 Nov. 28 by Uppsala-DLR Asteroid Survey at Kvistaberg.

Helen Wellton (b. 1961) and Claes Wellton Persson (b. 1943) are Swedish entrepreneurs whose interest in minor planets and comets has resulted in generous support and sponsorship for the Uppsala-DLR Asteroid Survey. The name was suggested by G. Hahn.

(13473) Hokema = 1953 GJ

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

Peter Hokema (b. 1955) is a German violinist and maker of musical instruments. He developed several instruments that can be played without knowledge of scales and notation. His instruments are used successfully in music therapy for handicapped people. The name was suggested by A. Doppler.

(13478) Fraunhofer = 1976 DB₁

Discovered 1976 Feb. 27 by F. Börngen at Tautenburg.

Joseph von Fraunhofer (1787–1826), a German autodidact, glassmaker, optician and scientist, had an uncommon talent. He improved the telescope, invented the diffraction grid, and measured the wavelengths of the absorption lines in the solar spectrum. In 1824 the Bavarian king elevated him to the nobility.

(13488) Savanov = 1982 TK₁

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

Igor' Spartakovich Savanov (b. 1956) is the vice-director of the Crimean Astrophysical Observatory. His principal research is in stellar spectroscopy, stellar atmospheres, abundance analysis of stars and investigations of chemically peculiar stars of different types.

(13489) Dmitrienko = 1982 UO₆

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

Elena Sergeevna Dmitrienko (b. 1952) is a senior researcher at the Crimean Astrophysical Observatory and wife of astronomer Igor' Savanov. She deals with the physical properties and behavior on different timescales of interactive binaries: symbiotic stars, magnetic stars and novae.

(13610) Lilienthal = 1994 TS₁₆

Discovered 1994 Oct. 5 by F. Börngen at Tautenburg.

The German engineer Otto Lilienthal (1848–1896) explored the aerodynamics of the flight of birds. Beginning in 1891, he flew more than 2000 times with homemade gliders, with his last flight ending in a fatal crash. With his brother Gustav (1849–1933), he conducted experiments that provided important knowledge about flight.

(13674) Bourge = 1997 MJ₂

Discovered 1997 June 30 by the OCA-DLR Asteroid Survey at Caussols.

Pierre Bourge (b. 1921) founded what was later to become the Association Française d'Astronomie in 1945, and its magazine *Ciel et Espace* in 1972. An avid solar eclipse observer and telescope maker, he has been an inspiration to a generation of astronomers, amateur and professional.

(13681) Monty Python = 1997 PY₁

Discovered 1997 Aug. 7 by M. Tichý and Z. Moravec at Kletř.

Monty Python's Flying Circus, a comedy show starring Graham Chapman, John Cleese, Eric Idle, Michael Palin and Terry Jones, aired on the BBC from 1969 Oct. 5 to 1974 Dec. 5. It also featured animations by Terry Gilliam.

(13682) Pressberger = 1997 PG₃

Discovered 1997 Aug. 10 by E. Meyer and H. Raab at Linz.

Rudolf Pressberger (b. 1942) invented an improved telescope fork mount, named the "Austria Mount". First released in 1986, it features a right-ascension axis built inside the fork, works without ball bearings and uses friction drives. Using this design, Pressberger also built a 1.0-m Ritchey-Chrétien telescope himself.

(13691) Akie = 1997 SL₁₆

Discovered 1997 Sept. 30 by A. Asami at Hadano.

Akie Asami (b. 1957) is the wife of the discoverer.

(13701) Roquebrune = 1998 OR

Discovered 1998 July 20 by the OCA-DLR Asteroid Survey at Caussols.

Roquebrune sur Argens is a typical Provençal village located at the foot of the well-known "Rocher des trois croix". This village shows a good cultural dynamism, particularly in astronomy since several observations are organized there each year, notably during the now-classic "Nuit des Etoiles" (night of the stars).

(13793) Laubernasconi = 1998 VB₄

Discovered 1998 Nov. 11 by the OCA-DLR Asteroid Survey at Caussols.

Laurent Bernasconi (b. 1966), amateur astronomer, has collaborated with the Pises Observatory for many years. He has built several CCD cameras and automated telescope control systems, used by many amateurs in France. A fine observer, he has also discovered several minor planets using automated means.

(13816) Stülpner = 1998 YH₂₇

Discovered 1998 Dec. 29 by J. Kandler at Drebach.

Karl Stülpner (1762–1841), a popular hero of Germany's Ore Mountains, lived in Scharfenstein, near Drebach. He and his group of hunters wandered through the Saxonian and Bohemian Ore mountains providing order and justice and helping those in need.

(13954) Born = 1990 TF₈

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

German physicist Max Born (1882–1970), a pioneer in modern theoretical physics, formulated a theory of the crystal lattice and created with his assistants the basis of quantum mechanics. He received the 1954 Nobel Prize for physics, together with W. Bothe. The name was proposed by the first discoverer.

(13977) Frisch = 1992 HJ₇

Discovered 1992 Apr. 29 by F. Börngen at Tautenburg.

Austrian zoologist Karl Ritter von Frisch (1886–1982) did fundamental investigations on fish and honey-bees. He studied the orientation of bees following colors,

shapes, odors, the sun and polarized light. He received the 1973 Nobel prize for medicine.

(14014) Münchhausen = 1994 AL₁₆

Discovered 1994 Jan. 14 by F. Börngen at Tautenburg.

Karl Friedrich Hieronymus Freiherr von Münchhausen (1720–1797), also known as the “lies baron”, was a member of a German noble lineage, first mentioned in 1183. He was an excellent narrator of anecdotes and exaggerated adventure stories, which later were captured in novels, plays and films.

(14025) Fallada = 1994 RR₁₁

Discovered 1994 Sept. 2 by F. Börngen at Tautenburg.

German author Hans Fallada (Rudolph Ditzen, 1893–1947) wrote sociocritical novels. He described the milieu of the so-called “little people”, their helplessness and valor. His most famous novels are *Kleiner Mann-was nun*, *Wer einmal aus dem Blechnapf frit* and *Der eiserne Gustav*.

(14041) Dürrenmatt = 1995 SO₅₄

Discovered 1995 Sept. 21 by F. Börngen at Tautenburg.

The Swiss dramatist and narrative writer Friedrich Dürrenmatt (1921–1990) was honored with many literary awards. He wrote about the contradictions and self-delusions of his time satirically, with grotesque and horrible bents. *Der Besuch der alten Dame* and *Die Physiker* had worldwide success.

(14057) Manfredstoll = 1996 AV₁

Discovered 1996 Jan. 15 by E. Meyer and E. Obermair at Linz.

Viennese computer specialist Manfred Stoll (b. 1938) is an expert in the practical application of computers in astronomy. Among other projects, he worked on software for digitizing photographic plates. He also developed a modern telescope drive system and control software, which is now also used at the observatory in Linz.

(14080) Heppenheim = 1997 GB

Discovered 1997 Apr. 4 at the Starkenburg Observatory, Heppenheim.

The beautiful city of Heppenheim, with its medieval old town that was first mentioned in the year 755, is situated in a traditional wine-growing region of southwestern Germany. On a hill above the city the ruins of the Starkenburg castle dominate the picturesque scenery.

(14141) Demeautis = 1998 SR₁

Discovered 1998 Sept. 16 by the OCA-DLR Asteroid Survey at Caussols.

Christophe Demeautis is an amateur astronomer who has been the leader and caretaker of observations of minor planets by the Association des Utilisateurs de Détecteurs Electroniques. Discoverer of several minor planets, he is also a skilled scuba diver.

(14179) Skinner = 1998 VM₃₂

Discovered 1998 Nov. 15 by I. P. Griffin at Cocoa.

Christopher J. Skinner (1963–1997), teacher of the discoverer, worked at Jodrell Bank, the Lawrence Berkeley Laboratory and the Space Telescope Science Institute. His many seminal papers were on subjects as diverse as the atmospheres of red giant stars and the dust disks of Vega-excess stars.

(14185) Van Ness = 1998 WK₃₂

Discovered 1998 Nov. 21 by the Lowell Observatory Near-Earth-Object Search at Anderson Mesa Station.

Michael E. Van Ness (b. 1974) has been an observer for LONEOS since 1998. He is interested in archaeoastronomy.

(14189) Sèvre = 1998 XB₁₄

Discovered 1998 Dec. 15 by the OCA-DLR Asteroid Survey at Caussols.

François Sèvre (b. 1948) started his career as an infrared astronomy engineer at Meudon Observatory. He has participated in a large number of observing runs, most notably at the Pic du Midi Observatory, where his knowledge of the mountain and his human qualities have always been appreciated.

(14365) Jeanpaul = 1988 RZ₂

Discovered 1988 Sept. 8 by F. Börngen at Tautenburg.

Jean Paul (Friedrich Richter, 1763–1825) was a German writer and poet. His novels and stories are in an ebullient baroque style, but with philosophical humor, juxtaposing idealism and reality. He lived a short time in Weimar and related his impressions there in his chief work, *Titan*.

(14366) Wilhelmraabe = 1988 RX₃

Discovered 1988 Sept. 8 by F. Börngen at Tautenburg.

The Lower-Saxon novelist and poet Wilhelm Raabe (Jacob Corvinus, 1831–1910) is a great representative of German poetic realism. Descriptively and precisely, he depicts the repressed and deformed characters of society, with both idyllic and grotesque imagery.

(14372) Paulgerhardt = 1989 AD₆

Discovered 1989 Jan. 9 by F. Börngen at Tautenburg.

German poet and theologian Paul Gerhardt (1607–1676) wrote more than 130 hymns inspired by his deep piety and strong confidence in God. These include *Nun ruhen alle Wälder*, *Befiehl du deine Wege* and *O Haupt voll Blut und Wunden*. They are the highlights of evangelical hymn-poetry after Luther.

(14400) Baudot = 1990 WO₄

Discovered 1990 Nov. 16 by E. W. Elst at the European Southern Observatory.

Jean-Maurice-Emile Baudot (1845–1903) invented a telegraphic code in 1874 that encoded each letter of the alphabet as a series of “on-or-off” signals. Because each signal has the same duration, this system is more efficient than Morse code, and it still used in telecommunications today. The name was suggested by R. S. McMillan.

(14413) Geiger = 1991 RT₃

Discovered 1991 Sept. 5 by F. Börngen and L. D. Schmadel at Tautenburg.

German physicist Hans Geiger (1882–1945) studied radioactivity and scattering of α -particles. Together with Erwin Wilhelm Mueller, he invented the GM (Geiger) counter, which became an important measuring instrument in nuclear physics. Together with K. Scheel, he edited the 24-volume *Handbuch der Physik* (1926–1929).

(14517) Monitoma = 1996 LJ₁

Discovered 1996 June 13 by P. Pravec at Ondřejov.

Monika Pravcová (b. 1976), sister of the discoverer, and Tomáš Kneslík (b. 1977) fell in love in the year of the discovery of this minor planet and married in 2000 when it was numbered.

(14526) Xenocrates = 1997 JT₃

Discovered 1997 May 6 by P. G. Comba at Prescott.

Xenocrates of Chalcedon (396–314 B.C.), philosopher and mathematician, was a student of Plato and teacher of Epicurus. As head of the Academy (339–314 B.C.) he upheld Plato’s policy that geometry and music are prerequisites to the study of philosophy. He wrote on the history of geometry and on number theory.

(14533) Roy = 1997 QY

Discovered 1997 Aug. 24 by P. Antonini at Bedoin.

René Roy (b. 1938) is an amateur who has devoted much time to astronomical observations. He was especially interested in CCD technology applied to search and astrometry of minor planets and comets and has discovered two numbered minor planets.

(14594) Jindrašilhán = 1998 SS₂₆

Discovered 1998 Sept. 24 by P. Pravec at Ondřejov.

Jindřich Šilhán (1944–2000) was a major contributor to the development of visual observations in the Czech and Slovak Republics. He observed eclipsing binaries and organized a program to monitor them. His former students are some of the leaders of public observatories.

(14613) Sanchez = 1998 TP₂

Discovered 1998 Oct. 13 by the OCA-DLR Asteroid Survey at Caussols.

Christian Sanchez is editor-in-chief of the French astronomy magazine *Pulsar*. A very nice and gentle person, he has worked with very little help to produce over 100 issues of a magazine that always contains much useful information for the amateur astronomer.

(14617) Lasvergnas = 1998 UA₄

Discovered 1998 Oct. 21 by the OCA-DLR Asteroid Survey at Caussols.

Olivier Las Vergnas (b. 1954) is a former member of the Association Astronomique de Paris en Sorbonne, founder of the astronomy section of the Association Nationale Sciences Techniques Jeunesse and currently president of the Association Française d'Astronomie.

(14669) Beletic = 1999 DC

Discovered 1999 Feb. 16 by the OCA-DLR Asteroid Survey at Caussols.

James William Beletic (b. 1956), a talented physician, led the European Southern Observatory's Optical Detector Team from 1994 Nov. 1 to 2000 Apr. 27. He contributed to the development of a new CCD controller for astronomy and is now deputy director of the Keck Observatories.

(14836) Maxfrisch = 1988 CY

Discovered 1988 Feb. 14 by F. Börngen at Tautenburg.

Swiss writer and playwright Max Frisch (1911–1991) produced an extensive and multiformed body of work. His cardinal theme was the relationship of individuals to themselves and their environment. His dramas *Biedermann und die Brandstifter*, *Andorra* and *Stiller* show problems of the present.

(14845) Hegel = 1988 VS₆

Discovered 1988 Nov. 3 by F. Börngen at Tautenburg.

Georg Wilhelm Friedrich Hegel (1770–1831) is a very important philosopher of German idealism. The method and content of his thinking is the dialectic. He lectured at Jena during 1801–1807. He had great influence during the nineteenth and twentieth centuries, and many later philosophers refer to him.

(14940) Freiligrath = 1995 EL₈

Discovered 1995 Mar. 4 by F. Börngen at Tautenburg.

The German poet Ferdinand Freiligrath (1810–1876) pleaded in his poetry for democratic and social reforms and for liberty. Because he yearned for a national uprising, he was shadowed at times. At the end of his life, in Bismarck's time, he became a patriotic poet.

(14947) Luigibussolino = 1996 AB₄

Discovered 1996 Jan. 15 by M. Tombelli and U. Munari at Cima Ekar.

Italian aerospace engineer Luigi Bussolino (b. 1947) has played a leading role in developing the integrated system IMPACT (International Monitoring Program for Asteroid and Comet Threat) and in designing STONES (Satellite To Observe Near Earth Object Spectra).

(14960) Yule = 1996 KO

Discovered 1996 May 21 by P. G. Comba at Prescott.

George Udny Yule (1871–1951), statistician, lecturer at University College, London, and fellow of St. John's College, Cambridge, worked on regression and correlation, time series and epidemiology. His book *A Statistical Study of Literary Style* (1944) was a pioneering endeavor at a quantitative analysis of literary style.

(14990) Zermelo = 1997 UY₁₀

Discovered 1997 Oct. 31 by P. G. Comba at Prescott.

Ernst F. F. Zermelo (1871–1953), German mathematician, was mainly interested in the calculus of variations. He is best remembered for his formulation of the axiom of choice: given any (possibly infinite) collection of non-empty sets, there exists a set having one element in common with each set in the collection.

(15042) Anndavgui = 1998 XZ₈

Discovered 1998 Dec. 14 by J.-C. Merlin at Le Creusot.

The discoverer's spouse Annick (b. 1953), and their two sons David (b. 1985) and Guillaume (b. 1989), are all musicians, playing the violin, trumpet and French horn, respectively. They provide strong support to the discoverer in his astronomical activity. Annick is also a teacher of French literature and a famous astrophotographer.

(15053) Bochníček = 1998 YY₂

Discovered 1998 Dec. 17 by P. Pravec and U. Babiaková at Ondřejov.

Záviš Bochníček (b. 1920), a Czech astronomer living in Slovakia, worked on photographic observations of artificial satellites and computed their orbits. He discovered two novae and popularizes astronomy and cosmonautics. During 1956–1958 he was a director of the Astronomical Institute in Tatranská Lomnica.

(15056) Barbaradixon = 1998 YP₁₂

Discovered 1998 Dec. 28 by D. S. Dixon at Las Cruces.

Barbara Dixon is a talented software developer and engineer. It is only with her support that the work at the Jornada Observatory, Las Cruces, is possible.

(15077) Edyvalge = 1999 CA

Discovered 1999 Feb. 2 by S. Sposetti at Gnosca.

The Swiss amateur astronomer Edy Alge (b. 1934) has built many homemade telescopes of various sizes and spent most of his time expressing enthusiasm for the science of astronomy.

EPHEMERIDES

P/1999 J5 (LINEAR)						Elements MPC 35553				
Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2	
2000 07 15		20 48.18	-22 01.6	3.022	4.009	163.8	4.0	17.4		
2000 07 25		20 42.30	-22 50.1	3.010	4.021	173.6	1.6	17.4		
2000 08 04		20 36.12	-23 36.0	3.026	4.033	171.9	2.0	17.5		
2000 08 14		20 30.21	-24 16.7	3.072	4.046	161.7	4.5	17.5		
2000 08 24		20 25.09	-24 50.3	3.144	4.058	151.0	6.9	17.6		
2000 09 03		20 21.18	-25 15.7	3.242	4.071	140.5	9.1	17.7		
2000 09 13		20 18.80	-25 32.9	3.360	4.084	130.3	10.8	17.7		

2000 09 23	20 18.09	-25 42.0	3.496	4.097	120.4	12.2	17.8
2000 10 03	20 19.10	-25 43.7	3.646	4.110	110.9	13.1	17.9
2000 10 13	20 21.78	-25 38.6	3.804	4.123	101.7	13.7	18.1
2000 10 23	20 26.01	-25 27.4	3.967	4.137	92.8	13.9	18.2
2000 11 02	20 31.63	-25 10.5	4.132	4.150	84.2	13.8	18.3
2000 11 12	20 38.49	-24 48.4	4.295	4.164	75.8	13.3	18.4
2000 11 22	20 46.38	-24 21.4	4.452	4.177	67.6	12.6	18.5
2000 12 02	20 55.17	-23 50.0	4.602	4.191	59.6	11.7	18.5
2000 12 12	21 04.68	-23 14.5	4.741	4.204	51.8	10.6	18.6
2000 12 22	21 14.76	-22 35.4	4.868	4.218	44.2	9.4	18.7
2001 01 01	21 25.29	-21 52.9	4.980	4.232	36.7	8.0	18.8

C/2000 O1 (Koehn)

Date	TT	α_{2000}	δ_{2000}	Δ	r	Elements MPC 40989			
						ϵ	ϕ	m_1	m_2
2000 07 15	01 06.55	+39 32.7	6.093	6.041	82.3	9.6	17.7		
2000 07 25	01 00.29	+40 09.1	5.945	6.056	91.4	9.7	17.7		
2000 08 04	00 52.29	+40 38.0	5.801	6.071	100.6	9.5	17.7		
2000 08 14	00 42.55	+40 56.1	5.668	6.086	109.8	9.0	17.6		
2000 08 24	00 31.21	+41 00.3	5.550	6.103	118.9	8.3	17.6		
2000 09 03	00 18.55	+40 47.7	5.454	6.120	127.5	7.5	17.6		
2000 09 13	00 05.04	+40 16.2	5.385	6.138	135.0	6.7	17.5		
2000 09 23	23 51.27	+39 25.2	5.349	6.157	140.6	5.9	17.5		
2000 10 03	23 37.85	+38 16.0	5.347	6.177	143.2	5.6	17.5		
2000 10 13	23 25.37	+36 51.7	5.381	6.197	141.9	5.7	17.6		
2000 10 23	23 14.29	+35 16.8	5.450	6.218	137.2	6.2	17.6		
2000 11 02	23 04.89	+33 36.6	5.553	6.239	130.2	7.0	17.7		
2000 11 12	22 57.29	+31 56.2	5.684	6.262	121.8	7.7	17.7		
2000 11 22	22 51.47	+30 19.9	5.838	6.285	112.6	8.3	17.8		
2000 12 02	22 47.33	+28 51.1	6.010	6.308	103.2	8.8	17.9		
2000 12 12	22 44.70	+27 32.2	6.192	6.333	93.7	8.9	18.0		
2000 12 22	22 43.38	+26 24.4	6.379	6.357	84.3	8.9	18.1		
2001 01 01	22 43.17	+25 28.3	6.564	6.383	75.1	8.6	18.1		
2001 01 11	22 43.88	+24 43.8	6.743	6.409	66.2	8.1	18.2		
2001 01 21	22 45.32	+24 10.5	6.909	6.436	57.6	7.4	18.3		
2001 01 31	22 47.31	+23 47.7	7.059	6.463	49.6	6.7	18.3		
2001 02 10	22 49.68	+23 34.6	7.189	6.491	42.2	5.9	18.4		
2001 02 20	22 52.29	+23 30.2	7.297	6.520	35.7	5.1	18.5		
2001 03 02	22 55.01	+23 33.6	7.380	6.549	30.8	4.4	18.5		

2P/Encke

Date	TT	α_{2000}	δ_{2000}	Δ	r	Elements MPC 29882			
						ϵ	ϕ	m_1	m_2
2000 07 15	04 29.42	+29 04.6	1.751	1.226	43.1	34.5	14.0	19.6	
2000 07 20	04 52.76	+29 51.0	1.666	1.149	42.7	36.9	13.5	19.4	
2000 07 25	05 18.67	+30 24.3	1.585	1.070	41.9	39.3	12.9	19.2	
2000 07 30	05 47.36	+30 38.9	1.511	0.989	40.4	41.7	12.3	19.0	
2000 08 04	06 18.94	+30 27.5	1.444	0.904	38.4	44.1	11.6	18.8	
2000 08 09	06 53.33	+29 41.7	1.388	0.817	35.6	46.3	10.9	18.5	
2000 08 14	07 30.19	+28 13.0	1.345	0.728	32.2	47.9	10.1	18.3	
2000 08 19	08 08.96	+25 53.6	1.316	0.636	28.0	48.4	9.1	17.9	
2000 08 24	08 48.98	+22 38.7	1.303	0.544	23.1	46.7	8.1	17.5	
2000 08 29	09 29.73	+18 26.3	1.307	0.457	17.4	41.4	7.0	17.0	
2000 09 03	10 11.03	+13 18.3	1.322	0.384	11.0	30.1	5.9	16.3	
2000 09 18	12 14.26	-04 43.1	1.354	0.406	10.2	26.0	6.3	16.4	

2000 09 23	12 52.33	-09 59.8	1.361	0.485	16.2	35.1	7.5	17.0	
2000 09 28	13 28.67	-14 31.8	1.379	0.575	21.3	39.2	8.6	17.6	
2000 10 03	14 03.39	-18 18.6	1.412	0.667	25.5	40.3	9.6	18.0	
2000 10 08	14 36.44	-21 22.0	1.458	0.758	28.9	39.7	10.5	18.3	
2000 10 13	15 07.70	-23 45.6	1.515	0.846	31.6	38.2	11.3	18.6	
2000 10 18	15 37.05	-25 34.3	1.582	0.933	33.6	36.2	12.0	18.8	
2000 10 23	16 04.44	-26 53.3	1.658	1.016	34.9	34.1	12.7	19.0	
2000 10 28	16 29.89	-27 47.7	1.739	1.097	35.6	31.9	13.3	19.3	
2000 11 02	16 53.47	-28 22.4	1.825	1.175	35.9	29.7	13.9	19.4	
2000 11 07	17 15.30	-28 41.2	1.914	1.250	35.7	27.5	14.4	19.6	
2000 11 12	17 35.53	-28 47.5	2.005	1.324	35.1	25.5	14.8	19.8	
2000 11 17	17 54.29	-28 44.0	2.097	1.395	34.2	23.5	15.3	19.9	
2000 11 22	18 11.76	-28 32.7	2.190	1.463	33.0	21.5	15.7	20.1	

77P/Longmore

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2	Elements CCO 13	
2000 07 15	04 40.71	+38 47.8	5.116	4.409	41.6	8.8	22.4				
2000 07 25	04 51.63	+39 36.8	4.996	4.388	48.4	10.0	22.4				
2000 08 04	05 02.11	+40 27.0	4.862	4.366	55.4	11.0	22.3				
2000 08 14	05 11.99	+41 18.6	4.717	4.345	62.6	11.9	22.3				
2000 08 24	05 21.10	+42 12.1	4.563	4.322	70.0	12.7	22.2				
2000 09 03	05 29.24	+43 08.1	4.403	4.300	77.6	13.2	22.2				
2000 09 13	05 36.17	+44 06.9	4.238	4.277	85.4	13.6	22.1				
2000 09 23	05 41.64	+45 08.8	4.072	4.253	93.5	13.6	22.0				
2000 10 03	05 45.34	+46 13.7	3.909	4.229	101.8	13.4	21.9				
2000 10 13	05 46.97	+47 20.8	3.752	4.205	110.4	12.9	21.7				
2000 10 23	05 46.25	+48 28.5	3.605	4.180	119.0	12.0	21.6				
2000 11 02	05 42.91	+49 34.3	3.473	4.154	127.7	10.9	21.5				
2000 11 12	05 36.88	+50 34.2	3.359	4.129	136.0	9.6	21.3				
2000 11 22	05 28.32	+51 23.8	3.267	4.103	143.4	8.2	21.2				
2000 12 02	05 17.70	+51 58.3	3.201	4.076	148.8	7.2	21.1				
2000 12 12	05 05.91	+52 13.9	3.162	4.049	150.8	6.8	21.0				
2000 12 22	04 54.05	+52 09.5	3.150	4.022	148.5	7.3	21.0				
2001 01 01	04 43.26	+51 46.2	3.166	3.994	142.8	8.6	21.1				
2001 01 11	04 34.53	+51 08.1	3.208	3.966	135.2	10.1	21.2				
2001 01 21	04 28.44	+50 20.4	3.270	3.938	126.7	11.6	21.3				
2001 01 31	04 25.28	+49 28.3	3.351	3.909	117.8	12.9	21.3				
2001 02 10	04 25.04	+48 36.1	3.444	3.880	109.0	13.9	21.4				
2001 02 20	04 27.52	+47 46.8	3.546	3.850	100.4	14.6	21.5	21.5			
2001 03 02	04 32.47	+47 02.2	3.653	3.820	92.1	15.0	21.5	21.6			
2001 03 12	04 39.60	+46 23.0	3.761	3.790	84.1	15.1	21.4	21.6			
2001 03 22	04 48.61	+45 48.8	3.867	3.759	76.4	14.9	21.4	21.6			
2001 04 01	04 59.27	+45 19.0	3.967	3.728	69.0	14.5	21.4	21.7			
2001 04 11	05 11.33	+44 52.7	4.060	3.696	62.0	13.8	21.4	21.7			
2001 04 21	05 24.59	+44 28.6	4.143	3.665	55.2	13.0	21.4	21.7			
2001 05 01	05 38.88	+44 05.8	4.216	3.633	48.8	12.1	21.3	21.7			
2001 05 11	05 54.02	+43 42.9	4.276	3.600	42.8	11.0	21.3	21.6			
2001 05 21	06 09.87	+43 19.2	4.323	3.568	37.0	9.8	21.2	21.6			
2001 05 31	06 26.31	+42 53.6	4.356	3.535	31.7	8.7	21.2	21.5			

10P/Tempel 2

Date TT		Elements MPC 27082								
	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2		
2000 07 15	05 26.57	+16 21.4	3.806	2.987	31.6	10.3	19.8	20.4		
2000 07 25	05 39.96	+16 31.5	3.779	3.040	37.7	11.8	20.0	20.5		
2000 08 04	05 52.54	+16 35.9	3.738	3.092	44.1	13.2	20.1	20.6		
2000 08 14	06 04.22	+16 35.2	3.683	3.143	50.8	14.5	20.3	20.6		
2000 08 24	06 14.86	+16 30.4	3.614	3.193	57.8	15.5	20.4	20.7		
2000 09 03	06 24.35	+16 22.4	3.535	3.242	65.1	16.4	20.5	20.7		
2000 09 13	06 32.51	+16 12.2	3.445	3.290	72.8	17.0	20.6	20.7		
2000 09 23	06 39.19	+16 00.9	3.347	3.338	80.9	17.3		20.7		
2000 10 03	06 44.20	+15 49.8	3.244	3.384	89.4	17.2		20.6		
2000 10 13	06 47.36	+15 40.0	3.139	3.430	98.4	16.7		20.6		
2000 10 23	06 48.51	+15 32.7	3.037	3.475	108.0	15.8		20.5		
2000 11 02	06 47.50	+15 28.9	2.942	3.519	118.1	14.4		20.4		
2000 11 12	06 44.31	+15 29.6	2.858	3.562	128.7	12.5		20.3		
2000 11 22	06 39.02	+15 35.1	2.793	3.605	139.9	10.2		20.2		
2000 12 02	06 31.89	+15 45.6	2.750	3.646	151.5	7.4		20.0		
2000 12 12	06 23.42	+16 00.4	2.734	3.687	163.0	4.5		19.9		
2000 12 22	06 14.25	+16 18.9	2.749	3.727	172.3	2.0		19.8		
2001 01 01	06 05.12	+16 40.1	2.797	3.766	168.4	3.0		19.9		
2001 01 11	05 56.78	+17 03.2	2.876	3.804	157.5	5.7		20.2		
2001 01 21	05 49.81	+17 27.4	2.985	3.841	146.1	8.2		20.4		
2001 01 31	05 44.63	+17 52.2	3.119	3.877	134.9	10.4		20.6		
2001 02 10	05 41.43	+18 17.2	3.273	3.913	124.1	12.1		20.8		
2001 02 20	05 40.25	+18 42.1	3.444	3.948	113.8	13.2		20.9		
2001 03 02	05 40.99	+19 06.3	3.624	3.982	104.0	14.0		21.1		
2001 03 12	05 43.49	+19 29.5	3.811	4.015	94.6	14.3		21.2		
2001 03 22	05 47.55	+19 51.1	3.999	4.047	85.7	14.2		21.4		
2001 04 01	05 52.97	+20 10.8	4.185	4.079	77.0	13.8		21.5		
2001 04 11	05 59.55	+20 28.0	4.365	4.110	68.8	13.1		21.5		
2001 04 21	06 07.09	+20 42.5	4.537	4.140	60.8	12.2		21.6		
2001 05 01	06 15.44	+20 53.9	4.697	4.169	53.0	11.1		21.6		
2001 05 11	06 24.42	+21 02.0	4.845	4.197	45.4	9.9		21.7		
2001 05 21	06 33.92	+21 06.7	4.977	4.225	38.0	8.5		21.7		
2001 05 31	06 43.80	+21 07.9	5.092	4.252	30.7	7.0		21.7		

75P/Kohoutek

Date TT		Elements MPC 31663								
	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2		
2000 08 14	01 35.51	+18 12.1	1.873	2.447	112.5	22.5	15.7	22.4		
2000 08 24	01 40.87	+19 11.7	1.719	2.396	120.5	21.3	15.5	22.1		
2000 09 03	01 44.11	+20 00.0	1.577	2.346	128.9	19.5	15.2	21.8		
2000 09 13	01 44.90	+20 33.7	1.448	2.296	138.0	17.1	14.9	21.5		
2000 09 23	01 43.04	+20 49.7	1.335	2.247	147.6	13.9	14.6	21.2		
2000 10 03	01 38.58	+20 44.3	1.241	2.200	157.5	10.0	14.4	20.8		
2000 10 13	01 32.06	+20 15.9	1.170	2.153	166.8	6.1	14.2	20.5		
2000 10 23	01 24.43	+19 25.9	1.122	2.108	169.7	4.8	14.0	20.3		
2000 11 02	01 17.07	+18 19.8	1.098	2.065	162.2	8.4	13.9	20.4		
2000 11 12	01 11.42	+17 07.7	1.098	2.025	151.8	13.4	13.8	20.5		
2000 11 22	01 08.59	+16 00.2	1.117	1.986	141.2	18.1	13.7	20.7		
2000 12 02	01 09.26	+15 06.4	1.154	1.950	131.2	22.4	13.7	20.8		
2000 12 12	01 13.65	+14 32.4	1.203	1.917	122.0	25.8	13.7	21.0		
2000 12 22	01 21.59	+14 19.7	1.263	1.887	113.7	28.5	13.8	21.1		
2001 01 01	01 32.81	+14 27.6	1.330	1.860	106.1	30.5	13.8	21.3		

2001 01 11	01 46.92	+14 53.5	1.402	1.838	99.3	31.9	13.9	21.4		
2001 01 21	02 03.53	+15 33.6	1.477	1.819	93.1	32.7	13.9	21.5		
2001 01 31	02 22.33	+16 23.9	1.555	1.804	87.5	33.1	14.0	21.6		
2001 02 10	02 43.01	+17 20.1	1.635	1.794	82.4	33.0	14.1	21.7		
2001 02 20	03 05.28	+18 18.0	1.717	1.789	77.6	32.7	14.2	21.8		
2001 03 02	03 28.91	+19 13.8	1.801	1.787	73.2	32.1	14.3	21.9		
2001 03 12	03 53.65	+20 03.8	1.887	1.791	69.1	31.2	14.4	22.0		
2001 03 22	04 19.25	+20 45.0	1.974	1.799	65.1	30.2	14.5	22.1		
2001 04 01	04 45.48	+21 14.9	2.064	1.812	61.4	29.0	14.7	22.1		
2001 04 11	05 12.09	+21 31.4	2.155	1.828	57.7	27.6	14.8	22.2		
2001 04 21	05 38.84	+21 33.5	2.249	1.849	54.2	26.1	14.9	22.3		
2001 05 01	06 05.52	+21 20.5	2.343	1.874	50.6	24.6	15.1	22.4		
2001 05 11	06 31.90	+20 52.5	2.439	1.902	47.1	22.9	15.2	22.4		
2001 05 21	06 57.82	+20 10.0	2.536	1.934	43.6	21.2	15.4	22.5		

C/2000 B2 (LINEAR)

Date TT		Elements MPC 39023								
	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2		
2000 08 14	07 18.70	+03 56.7	5.275	4.486	35.3	7.5		20.4		
2000 08 24	07 23.46	+02 14.0	5.221	4.533	42.9	8.7		20.5		
2000 09 03	07 27.48	+00 25.6	5.151	4.580	50.7	9.8		20.5		
2000 09 13	07 30.63	-01 28.5	5.068	4.628	58.8	10.7		20.5		
2000 09 23	07 32.77	-03 28.1	4.975	4.677	67.1	11.4		20.5		
2000 10 03	07 33.73	-05 32.9	4.876	4.726	75.5	11.8		20.5		
2000 10 13	07 33.37	-07 42.0	4.775	4.777	84.1	12.0		20.5		
2000 10 23	07 31.56	-09 53.9	4.677	4.828	92.8	11.9		20.5		
2000 11 02	07 28.16	-12 06.5	4.586	4.880	101.4	11.5		20.5		
2000 11 12	07 23.13	-14 16.9	4.509	4.933	109.8	10.9		20.4		
2000 11 22	07 16.48	-16 21.6	4.449	4.987	117.8	10.1		20.4		
2000 12 02	07 08.34	-18 16.4	4.412	5.040	124.8	9.2		20.3		
2000 12 12	06 58.97	-19 57.1	4.402	5.095	130.4	8.5		20.3		
2000 12 22	06 48.78	-21 20.4	4.420	5.150	133.8	7.9		20.3		
2001 01 01	06 38.26	-22 23.8	4.469	5.206	134.5	7.7		20.4		
2001 01 11	06 27.95	-23 06.6	4.546	5.262	132.6	7.9		20.5		
2001 01 21	06 18.38	-23 30.0	4.651	5.318	128.4	8.3		20.5		
2001 01 31	06 09.95	-23 36.3	4.780	5.375	122.6	8.9		20.7		
2001 02 10	06 02.96	-23 29.0	4.929	5.433	115.9	9.4		20.8		
2001 02 20	05 57.56	-23 11.9	5.094	5.491	108.7	9.8		20.9		
2001 03 02	05 53.78	-22 48.7	5.269	5.549	101.3	10.1		21.0		
2001 03 12	05 51.57	-22 22.6	5.450	5.607	94.0	10.2		21.1		
2001 03 22	05 50.81	-21 56.5	5.633	5.666	86.9	10.1		21.2		
2001 04 01	05 51.36	-21 32.5	5.813	5.726	80.0	9.9		21.3		
2001 04 11	05 53.04	-21 12.6	5.988	5.785	73.6	9.6		21.3		
2001 04 21	05 55.70	-20 57.9	6.155	5.845	67.5	9.1		21.4		

65P/Gunn

Date TT		Elements MPC 40670								
	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2		
2000 08 14	07 31.09	+26 57.8	5.440	4.608	31.6	6.6	18.6	21.5		
2000 08 24	07 40.88	+26 47.8	5.340	4.598	39.0	8.0	18.6	21.5		
2000 09 03	07 50.21	+26 38.2	5.223	4.587	46.5	9.2	18.5	21.5		
2000 09 13	07 58.96	+26 29.9	5.091	4.576	54.2	10.3	18.4	21.5		
2000 09 23	08 07.01	+26 23.5	4.947	4.565	62.1	11.2	18.4	21.5		
2000 10 03	08 14.24	+26 20.0	4.791	4.553	70.3	11.9	18.3	21.4		
2000 10 13	08 20.48	+26 20.4	4.628	4.540	78.8	12.4	18.2	21.4		

2000 10 23	08 25.61	+26 25.5	4.460	4.528	87.5	12.7	18.1	21.3
2000 11 02	08 29.44	+26 36.2	4.291	4.514	96.6	12.6	18.0	21.2
2000 11 12	08 31.80	+26 53.1	4.124	4.501	106.1	12.2	17.9	21.1
2000 11 22	08 32.56	+27 16.4	3.965	4.487	116.0	11.4	17.8	21.0
2000 12 02	08 31.59	+27 46.0	3.818	4.472	126.3	10.2	17.7	20.8
2000 12 12	08 28.85	+28 20.7	3.688	4.457	136.9	8.7	17.6	20.7
2000 12 22	08 24.39	+28 59.0	3.580	4.442	147.7	6.8	17.5	20.5
2001 01 01	08 18.40	+29 38.1	3.498	4.426	158.4	4.7	17.4	20.4
2001 01 11	08 11.27	+30 15.1	3.445	4.410	167.5	2.8	17.4	20.2
2001 01 21	08 03.51	+30 47.1	3.424	4.394	168.9	2.5	17.3	20.2
2001 01 31	07 55.73	+31 11.8	3.434	4.377	160.8	4.2	17.3	20.3
2001 02 10	07 48.58	+31 27.9	3.475	4.360	150.3	6.4	17.3	20.4
2001 02 20	07 42.60	+31 35.3	3.542	4.342	139.5	8.5	17.3	20.5
2001 03 02	07 38.20	+31 34.7	3.632	4.324	128.9	10.3	17.3	20.6
2001 03 12	07 35.62	+31 27.3	3.740	4.305	118.6	11.7	17.4	20.7
2001 03 22	07 34.94	+31 14.3	3.861	4.286	108.7	12.7	17.4	20.8
2001 04 01	07 36.13	+30 57.0	3.990	4.267	99.3	13.4	17.5	20.9
2001 04 11	07 39.06	+30 36.0	4.123	4.247	90.2	13.6	17.5	21.0
2001 04 21	07 43.56	+30 11.9	4.255	4.227	81.6	13.6	17.5	21.1
2001 05 01	07 49.46	+29 45.1	4.384	4.206	73.3	13.3	17.6	21.1
2001 05 11	07 56.57	+29 15.6	4.505	4.186	65.4	12.7	17.6	21.1
2001 05 21	08 04.71	+28 43.6	4.617	4.164	57.7	11.9	17.6	21.1
2001 05 31	08 13.71	+28 08.9	4.717	4.143	50.2	10.8	17.6	21.1
2001 06 10	08 23.44	+27 31.6	4.804	4.121	43.1	9.7	17.6	21.1
2001 06 20	08 33.74	+26 51.6	4.876	4.098	36.1	8.4	17.6	21.1

124P/Mrkos

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2	Elements MPC 34422
2000 08 24	01 44.26	+25 23.3	3.999	4.547	116.9	11.4	21.4	22.5		
2000 09 03	01 40.40	+25 59.7	3.848	4.523	126.6	10.3	21.3	22.4		
2000 09 13	01 34.88	+26 26.7	3.715	4.498	136.5	8.9	21.2	22.2		
2000 09 23	01 27.86	+26 42.5	3.604	4.473	146.2	7.2	21.2	22.1		
2000 10 03	01 19.64	+26 45.8	3.520	4.447	155.1	5.4	21.1	21.9		
2000 10 13	01 10.71	+26 36.3	3.464	4.420	161.2	4.2	21.0	21.8		
2000 10 23	01 01.63	+26 15.1	3.440	4.393	161.1	4.2	21.0	21.8		
2000 11 02	00 53.03	+25 44.4	3.446	4.365	154.8	5.5	21.0	21.8		
2000 11 12	00 45.47	+25 08.0	3.482	4.336	145.7	7.4	21.0	21.9		
2000 11 22	00 39.38	+24 29.9	3.544	4.306	135.6	9.2	21.0	22.0		
2000 12 02	00 35.03	+23 54.2	3.628	4.275	125.4	10.8	21.0	22.1		
2000 12 12	00 32.55	+23 24.2	3.730	4.244	115.3	12.1	21.1	22.2		
2000 12 22	00 31.91	+23 02.3	3.843	4.212	105.4	13.0	21.1	22.3		
2001 01 01	00 33.03	+22 50.0	3.962	4.179	95.9	13.5	21.1	22.4		
2001 01 11	00 35.78	+22 48.0	4.084	4.146	86.8	13.7	21.2	22.4		
2001 01 21	00 39.97	+22 56.3	4.203	4.112	78.0	13.5	21.2	22.5		
2001 01 31	00 45.46	+23 14.6	4.315	4.076	69.5	13.1	21.3	22.5		
2001 02 10	00 52.08	+23 42.3	4.418	4.041	61.4	12.4	21.3	22.5		
2001 02 20	00 59.68	+24 18.5	4.509	4.004	53.7	11.5	21.3	22.5		
2001 03 02	01 08.16	+25 02.5	4.585	3.966	46.3	10.4	21.3	22.5		
2001 03 12	01 17.40	+25 53.4	4.645	3.928	39.4	9.2	21.3	22.4		
2001 03 22	01 27.32	+26 50.3	4.688	3.889	32.9	8.0	21.3	22.4		

P/1999 XN₁₂₀ (Catalina)

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2	Elements MPC 39023
2000 08 24	07 58.67	+20 27.6	4.120	3.324	33.5	9.7	19.8			
2000 09 03	08 12.30	+19 38.9	4.041	3.331	39.9	11.2	19.8			
2000 09 13	08 25.28	+18 47.6	3.951	3.338	46.4	12.6	19.8			
2000 09 23	08 37.51	+17 54.8	3.850	3.346	53.1	13.9	19.8			
2000 10 03	08 48.89	+17 01.3	3.739	3.354	60.1	15.0	19.8			
2000 10 13	08 59.29	+16 08.3	3.619	3.363	67.3	15.9	19.8			
2000 10 23	09 08.60	+15 16.9	3.492	3.372	74.9	16.5	19.7			
2000 11 02	09 16.64	+14 28.5	3.360	3.382	82.8	16.9	19.7			
2000 11 12	09 23.25	+13 44.5	3.226	3.392	91.0	17.0	19.6			
2000 11 22	09 28.28	+13 06.2	3.093	3.403	99.8	16.6	19.5			
2000 12 02	09 31.53	+12 35.0	2.964	3.414	109.0	15.9	19.4			
2000 12 12	09 32.88	+12 12.1	2.842	3.425	118.7	14.6	19.3			
2000 12 22	09 32.24	+11 58.3	2.733	3.437	128.9	12.9	19.1			
2001 01 01	09 29.62	+11 54.0	2.641	3.449	139.6	10.6	19.0			
2001 01 11	09 25.20	+11 58.9	2.570	3.462	150.8	8.0	18.8			
2001 01 21	09 19.33	+12 11.4	2.525	3.475	162.3	4.9	18.6			
2001 01 31	09 12.55	+12 29.6	2.508	3.489	173.4	1.9	18.4			
2001 02 10	09 05.55	+12 50.7	2.521	3.502	172.7	2.0	18.5			
2001 02 20	08 59.01	+13 11.8	2.564	3.517	161.6	5.1	18.7			
2001 03 02	08 53.56	+13 30.5	2.636	3.531	150.3	8.0	18.9			
2001 03 12	08 49.69	+13 44.8	2.731	3.546	139.4	10.5	19.1			
2001 03 22	08 47.63	+13 53.4	2.848	3.561	129.0	12.6	19.3			
2001 04 01	08 47.50	+13 55.8	2.982	3.576	119.1	14.1	19.4			
2001 04 11	08 49.23	+13 51.5	3.127	3.592	109.7	15.2	19.6			
2001 04 21	08 52.69	+13 40.6	3.281	3.607	100.8	15.9	19.7			
2001 05 01	08 57.69	+13 23.0	3.440	3.623	92.3	16.1	19.8			
2001 05 11	09 04.02	+12 59.0	3.599	3.640	84.3	16.0	20.0			
2001 05 21	09 11.47	+12 28.9	3.757	3.656	76.5	15.6	20.0			
2001 05 31	09 19.87	+11 52.8	3.911	3.673	69.1	14.9	20.1			
2001 06 10	09 29.04	+11 11.2	4.058	3.690	61.9	14.0	20.2			
2001 06 20	09 38.83	+10 24.2	4.197	3.707	54.9	13.0	20.2			
2001 06 30	09 49.11	+09 32.4	4.326	3.724	48.0	11.7	20.2			
2001 07 10	09 59.77	+08 36.2	4.444	3.741	41.3	10.3	20.3			
2001 07 20	10 10.71	+07 35.9	4.549	3.759	34.7	8.9	20.3			

41P/Tuttle-Giacobini-Kresák

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2	Elements MPC 31662
2000 08 24	08 05.57	+16 17.4	2.743	1.950	31.3	15.6	22.5			
2000 09 03	08 30.08	+15 14.3	2.601	1.865	34.9	18.0	22.4			
2000 09 13	08 55.79	+13 55.8	2.458	1.780	38.2	20.5	22.0	22.2		
2000 09 23	09 22.86	+12 20.9	2.316	1.694	41.1	22.9	21.0	22.1		
2000 10 03	09 51.46	+10 28.6	2.176	1.608	43.7	25.4	19.9	21.9		
2000 10 13	10 21.80	+08 18.1	2.042	1.524	45.8	28.0	18.9	21.7		
2000 10 23	10 54.13	+05 49.4	1.917	1.441	47.3	30.5	17.8	21.5		
2000 11 02	11 28.67	+03 03.3	1.803	1.362	48.3	32.9	16.6	21.3		
2000 11 12	12 05.60	+00 02.8	1.705	1.287	48.6	35.3	15.5	21.2		
2000 11 22	12 45.05	-03 07.3	1.624	1.218	48.4	37.3	14.5	21.0		
2000 12 02	13 26.94	-06 18.8	1.563	1.158	47.7	39.0	13.5	20.8		
2000 12 12	14 10.91	-09 21.4	1.523	1.109	46.6	40.2	12.7	20.7		
2000 12 22	14 56.37	-12 03.6	1.505	1.074	45.4	40.7	12.1	20.6		
2001 01 01	15 42.42	-14 15.4	1.507	1.055	44.2	40.5	11.8	20.6		

2001 01 11	16 28.00	-15 50.0	1.524	1.054	43.3	39.8	11.8	20.6
2001 01 21	17 12.12	-16 45.5	1.555	1.069	42.9	38.8	12.1	20.7
2001 01 31	17 53.90	-17 04.0	1.593	1.101	43.0	37.6	12.7	20.7
2001 02 10	18 32.77	-16 51.0	1.635	1.147	43.8	36.5	13.5	20.8
2001 02 20	19 08.44	-16 13.1	1.676	1.205	45.2	35.6	14.4	21.0
2001 03 02	19 40.83	-15 17.3	1.714	1.272	47.4	35.0	15.3	21.1
2001 03 12	20 10.02	-14 10.0	1.747	1.346	50.1	34.5	16.4	21.3
2001 03 22	20 36.19	-12 56.6	1.771	1.425	53.5	34.2	17.4	21.4
2001 04 01	20 59.50	-11 41.7	1.786	1.507	57.5	34.0	18.4	21.6
2001 04 11	21 20.09	-10 29.1	1.790	1.591	62.1	33.8	19.3	21.7
2001 04 21	21 38.09	-09 21.9	1.785	1.677	67.3	33.6	20.2	21.8
2001 05 01	21 53.55	-08 22.9	1.769	1.763	73.1	33.2	21.1	21.9
2001 05 11	22 06.45	-07 34.9	1.744	1.848	79.5	32.5	21.9	21.9
2001 05 21	22 16.73	-07 00.2	1.711	1.934	86.5	31.5	21.9	21.9
2001 05 31	22 24.24	-06 41.4	1.672	2.018	94.2	30.1	21.9	21.9
2001 06 10	22 28.84	-06 40.7	1.630	2.102	102.7	28.1	21.9	21.9
2001 06 20	22 30.34	-07 00.1	1.589	2.184	112.0	25.5	21.9	21.9
2001 06 30	22 28.64	-07 40.7	1.553	2.265	122.2	22.3	21.8	21.8
2001 07 10	22 23.79	-08 41.7	1.528	2.345	133.3	18.4	21.7	21.7
2001 07 20	22 16.10	-10 00.1	1.520	2.423	145.0	13.9	21.6	21.6
2001 07 30	22 06.20	-11 30.3	1.533	2.500	157.4	9.0	21.5	21.5
2001 08 09	21 55.10	-13 04.0	1.571	2.576	170.1	3.9	21.4	21.4
2001 08 19	21 43.94	-14 32.9	1.639	2.650	177.2	1.1	21.4	21.4
2001 08 29	21 33.86	-15 50.2	1.735	2.723	164.9	5.6	21.8	21.8
2001 09 08	21 25.73	-16 51.6	1.859	2.794	153.0	9.4	22.2	22.2
2001 09 18	21 20.02	-17 36.1	2.006	2.864	141.8	12.5	22.5	22.5

C/2000 A1 (Montani)

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2	Elements MPC 40668
2000 09 03	08 57.58	+23 45.3	10.590	9.742	31.3	3.1	18.5	21.4		
2000 09 13	09 02.63	+23 39.1	10.496	9.743	39.7	3.8	18.5	21.4		
2000 09 23	09 07.38	+23 34.6	10.384	9.745	48.3	4.4	18.5	21.4		
2000 10 03	09 11.74	+23 32.5	10.255	9.747	57.1	4.9	18.4	21.4		
2000 10 13	09 15.65	+23 33.0	10.113	9.750	66.0	5.4	18.4	21.4		
2000 10 23	09 19.04	+23 36.5	9.960	9.753	75.1	5.7	18.4	21.4		
2000 11 02	09 21.85	+23 43.3	9.802	9.756	84.5	5.8	18.3	21.4		
2000 11 12	09 24.03	+23 53.7	9.641	9.759	94.0	5.8	18.3	21.3		
2000 11 22	09 25.53	+24 07.5	9.482	9.763	103.7	5.6	18.3	21.3		
2000 12 02	09 26.33	+24 24.8	9.331	9.767	113.6	5.3	18.2	21.2		
2000 12 12	09 26.41	+24 45.3	9.192	9.771	123.6	4.8	18.2	21.2		
2000 12 22	09 25.81	+25 08.4	9.070	9.776	133.8	4.2	18.2	21.1		
2001 01 01	09 24.58	+25 33.4	8.969	9.781	144.0	3.4	18.2	21.0		
2001 01 11	09 22.80	+25 59.3	8.893	9.786	153.9	2.5	18.2	21.0		
2001 01 21	09 20.59	+26 25.2	8.846	9.792	163.2	1.7	18.1	20.9		
2001 01 31	09 18.11	+26 50.1	8.828	9.798	169.1	1.1	18.1	20.8		
2001 02 10	09 15.52	+27 12.8	8.842	9.804	166.4	1.4	18.1	20.9		
2001 02 20	09 13.01	+27 32.7	8.886	9.810	158.1	2.2	18.2	21.0		
2001 03 02	09 10.73	+27 49.1	8.958	9.817	148.5	3.0	18.2	21.0		
2001 03 12	09 08.86	+28 01.5	9.057	9.824	138.6	3.8	18.2	21.1		
2001 03 22	09 07.51	+28 09.9	9.178	9.832	128.7	4.5	18.2	21.2		
2001 04 01	09 06.77	+28 14.1	9.318	9.839	118.9	5.1	18.3	21.2		
2001 04 11	09 06.71	+28 14.6	9.471	9.847	109.2	5.5	18.3	21.3		
2001 04 21	09 07.34	+28 11.4	9.635	9.856	99.8	5.8	18.4	21.3		

2001 05 01	09 08.68	+28 05.0	9.803	9.864	90.6	5.9	18.4	21.4
2001 05 11	09 10.69	+27 55.7	9.971	9.873	81.5	5.8	18.4	21.4
2001 05 21	09 13.32	+27 44.0	10.136	9.882	72.7	5.6	18.5	21.5
2001 05 31	09 16.54	+27 30.2	10.293	9.892	64.1	5.3	18.5	21.5
2001 06 10	09 20.27	+27 14.6	10.440	9.902	55.6	4.9	18.6	21.5
2001 06 20	09 24.45	+26 57.6	10.573	9.912	47.3	4.3	18.6	21.5
2001 06 30	09 29.01	+26 39.6	10.689	9.922	39.2	3.7	18.6	21.5
2001 07 10	09 33.88	+26 21.0	10.787	9.933	31.3	3.1	18.6	21.5

108P/Ciffréo

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2	Elements MPC 36654
2000 09 03	08 58.69	+25 55.0	2.925	2.138	32.1	14.5	20.2	22.3		
2000 09 13	09 20.30	+24 55.8	2.913	2.191	36.7	15.9	20.5	22.4		
2000 09 23	09 40.62	+23 54.3	2.893	2.244	41.6	17.3	20.8	22.5		
2000 10 03	09 59.63	+22 52.9	2.864	2.299	46.9	18.5	21.1	22.5		
2000 10 13	10 17.29	+21 54.1	2.826	2.355	52.4	19.6	21.4	22.6		
2000 10 23	10 33.59	+21 00.1	2.779	2.411	58.4	20.6	21.7	22.6		

97P/Metcalf-Brewington

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2	Elements MPC 31663
2000 09 13	00 27.58	+05 04.9	2.016	2.989	162.1	5.9	14.2	22.4		
2000 09 23	00 22.91	+03 31.1	1.958	2.957	173.5	2.2	14.0	22.1		
2000 10 03	00 17.71	+01 50.0	1.928	2.926	174.7	1.8	13.9	22.0		
2000 10 13	00 12.74	+00 09.2	1.927	2.896	163.0	5.8	13.9	22.2		
2000 10 23	00 08.69	-01 23.7	1.953	2.867	151.5	9.5	13.8	22.4		
2000 11 02	00 06.18	-02 42.3	2.004	2.839	140.4	12.9	13.8	22.5		

P/1999 WJ₇ (Korlević)

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2	Elements MPC 38308
2000 09 13	09 10.76	+15 36.8	4.135	3.362	35.1	9.9	20.9	20.9		
2000 09 23	09 23.43	+14 33.2	4.063	3.380	41.6	11.4	20.9	20.9		
2000 10 03	09 35.40	+13 29.6	3.980	3.398	48.3	12.7	20.9	20.9		
2000 10 13	09 46.57	+12 26.8	3.885	3.417	55.3	13.9	20.9	20.9		
2000 10 23	09 56.84	+11 26.1	3.780	3.436	62.5	14.9	20.9	20.9		
2000 11 02	10 06.11	+10 28.5	3.666	3.456	70.0	15.7	20.9	20.9		
2000 11 12	10 14.22	+09 35.4	3.546	3.476	77.9	16.2	20.8	20.8		
2000 11 22	10 21.05	+08 48.0	3.422	3.497	86.1	16.4	20.8	20.8		
2000 12 02	10 26.43	+08 07.8	3.297	3.518	94.8	16.2	20.7	20.7		
2000 12 12	10 30.21	+07 36.0	3.173	3.540	103.8	15.7	20.6	20.6		
2000 12 22	10 32.25	+07 13.7	3.056	3.562	113.4	14.7	20.5	20.5		
2001 01 01	10 32.46	+07 01.9	2.948	3.585	123.5	13.2	20.4	20.4		
2001 01 11	10 30.83	+07 01.0	2.855	3.608	134.0	11.3	20.3	20.3		
2001 01 21	10 27.47	+07 10.7	2.781	3.631	145.0	8.9	20.1	20.1		
2001 01 31	10 22.63	+07 29.8	2.731	3.655	156.3	6.2	20.0	20.0		
2001 02 10	10 16.74	+07 55.9	2.709	3.679	167.8	3.2	19.8	19.8		
2001 02 20	10 10.36	+08 26.2	2.715	3.703	177.3	0.7	19.6	19.6		
2001 03 02	10 04.09	+08 57.3	2.752	3.728	168.1	3.1	19.9	19.9		
2001 03 12	09 58.54	+09 25.9	2.819	3.753	156.8	6.0	20.1	20.1		
2001 03 22	09 54.17	+09 49.6	2.912	3.778	145.8	8.5	20.3	20.3		
2001 04 01	09 51.31	+10 06.3	3.029	3.803	135.2	10.7	20.5	20.5		
2001 04 11	09 50.12	+10 15.2	3.164	3.828	125.0	12.4	20.7	20.7		
2001 04 21	09 50.61	+10 15.9	3.315	3.854	115.4	13.6	20.8	20.8		
2001 05 01	09 52.70	+10 08.3	3.477	3.880	106.2	14.4	21.0	21.0		
2001 05 11	09 56.26	+09 52.9	3.645	3.906	97.4	14.9	21.1	21.1		

2001 05 21	10 01.11	+09 30.2	3.817	3.932	89.0	14.9	21.2
2001 05 31	10 07.09	+09 00.6	3.988	3.958	81.0	14.7	21.3
2001 06 10	10 14.00	+08 24.8	4.157	3.984	73.2	14.1	21.4
2001 06 20	10 21.71	+07 43.4	4.320	4.011	65.7	13.4	21.5
2001 06 30	10 30.07	+06 56.9	4.476	4.037	58.4	12.4	21.5
2001 07 10	10 38.96	+06 06.0	4.622	4.063	51.2	11.2	21.6
2001 07 20	10 48.26	+05 11.1	4.757	4.090	44.2	10.0	21.6
2001 07 30	10 57.89	+04 12.8	4.879	4.117	37.2	8.6	21.6
2001 08 09	11 07.76	+03 11.7	4.986	4.143	30.3	7.1	21.6

P/1997 T3 (Lagerkvist-Carsenty)

Elements MPC 35205

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
2000 09 13	09 21.67	+19 35.5	6.743	5.935	34.0	5.4	21.5		
2000 09 23	09 28.66	+19 08.2	6.669	5.961	42.0	6.5	21.5		
2000 10 03	09 35.12	+18 43.2	6.578	5.987	50.2	7.4	21.5		
2000 10 13	09 40.97	+18 21.2	6.472	6.013	58.6	8.1	21.5		
2000 10 23	09 46.12	+18 02.9	6.354	6.039	67.3	8.7	21.5		
2000 11 02	09 50.46	+17 48.8	6.225	6.065	76.2	9.1	21.5		
2000 11 12	09 53.91	+17 39.7	6.091	6.091	85.3	9.3	21.5		
2000 11 22	09 56.38	+17 36.0	5.954	6.117	94.8	9.3	21.4		
2000 12 02	09 57.80	+17 38.0	5.820	6.143	104.6	8.9	21.4		
2000 12 12	09 58.11	+17 45.7	5.692	6.168	114.7	8.3	21.3		
2000 12 22	09 57.31	+17 59.0	5.577	6.194	125.0	7.5	21.2		
2001 01 01	09 55.42	+18 17.2	5.478	6.220	135.7	6.3	21.1		
2001 01 11	09 52.54	+18 39.2	5.402	6.245	146.5	5.0	21.1		
2001 01 21	09 48.83	+19 03.7	5.351	6.271	157.4	3.5	21.0		
2001 01 31	09 44.53	+19 29.0	5.329	6.296	168.0	1.9	20.9		
2001 02 10	09 39.90	+19 53.5	5.339	6.322	174.4	0.9	20.8		
2001 02 20	09 35.27	+20 15.4	5.380	6.347	166.9	2.0	20.9		
2001 03 02	09 30.94	+20 33.4	5.452	6.372	156.4	3.6	21.0		
2001 03 12	09 27.18	+20 46.7	5.552	6.398	145.7	5.0	21.2		
2001 03 22	09 24.20	+20 54.7	5.677	6.423	135.2	6.3	21.3		
2001 04 01	09 22.17	+20 57.3	5.824	6.448	124.9	7.3	21.4		
2001 04 11	09 21.17	+20 54.5	5.986	6.473	114.9	8.1	21.5		
2001 04 21	09 21.21	+20 46.8	6.161	6.498	105.2	8.6	21.6		
2001 05 01	09 22.27	+20 34.4	6.343	6.523	95.8	8.8	21.7		
2001 05 11	09 24.29	+20 17.9	6.527	6.547	86.7	8.9	21.8		
2001 05 21	09 27.19	+19 57.7	6.710	6.572	77.9	8.7	21.8		
2001 05 31	09 30.88	+19 34.1	6.888	6.597	69.2	8.3	21.9		
2001 06 10	09 35.24	+19 07.6	7.057	6.621	60.8	7.7	21.9		
2001 06 20	09 40.19	+18 38.5	7.214	6.646	52.6	7.0	21.9		
2001 06 30	09 45.62	+18 07.2	7.358	6.670	44.5	6.1	21.9		
2001 07 10	09 51.44	+17 34.1	7.484	6.694	36.5	5.2	21.9		

C/2000 B4 (LINEAR)

Elements MPC 40823

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
2000 09 13	09 38.91	+25 03.6	7.663	6.844	33.2	4.6	20.5		
2000 09 23	09 45.74	+24 31.3	7.574	6.848	41.0	5.5	20.5		
2000 10 03	09 52.15	+24 01.8	7.467	6.852	48.9	6.3	20.5		
2000 10 13	09 58.05	+23 35.4	7.346	6.856	57.2	7.0	20.5		
2000 10 23	10 03.36	+23 12.8	7.212	6.861	65.6	7.6	20.5		
2000 11 02	10 07.98	+22 54.4	7.068	6.866	74.3	8.0	20.5		
2000 11 12	10 11.85	+22 40.5	6.918	6.872	83.2	8.2	20.5		

2000 11 22	10 14.86	+22 31.5	6.765	6.878	92.4	8.2	20.4		
2000 12 02	10 16.95	+22 27.6	6.613	6.884	101.9	8.1	20.4		
2000 12 12	10 18.06	+22 28.5	6.467	6.891	111.6	7.6	20.3		
2000 12 22	10 18.17	+22 33.9	6.332	6.898	121.5	7.0	20.2		
2001 01 01	10 17.27	+22 43.1	6.213	6.906	131.7	6.1	20.1		
2001 01 11	10 15.43	+22 55.1	6.113	6.913	141.9	5.0	20.1		
2001 01 21	10 12.77	+23 08.6	6.037	6.922	152.0	3.8	20.0		
2001 01 31	10 09.44	+23 22.0	5.989	6.930	161.5	2.6	19.9		
2001 02 10	10 05.68	+23 33.8	5.970	6.939	168.3	1.7	19.8		
2001 02 20	10 01.74	+23 42.5	5.982	6.949	167.0	1.8	19.8		
2001 03 02	09 57.88	+23 47.1	6.024	6.958	159.1	2.9	19.9		
2001 03 12	09 54.39	+23 46.6	6.094	6.968	149.4	4.2	20.0		
2001 03 22	09 51.47	+23 40.6	6.191	6.979	139.5	5.3	20.1		
2001 04 01	09 49.30	+23 29.2	6.311	6.990	129.5	6.3	20.2		
2001 04 11	09 48.00	+23 12.4	6.449	7.001	119.8	7.1	20.3		
2001 04 21	09 47.64	+22 50.8	6.601	7.012	110.2	7.7	20.4		
2001 05 01	09 48.21	+22 24.7	6.764	7.024	100.9	8.1	20.5		
2001 05 11	09 49.70	+21 54.6	6.932	7.036	91.8	8.2	20.5		
2001 05 21	09 52.05	+21 21.1	7.101	7.049	83.0	8.2	20.6		
2001 05 31	09 55.18	+20 44.6	7.268	7.062	74.3	7.9	20.6		
2001 06 10	09 59.01	+20 05.5	7.428	7.075	65.9	7.5	20.6		
2001 06 20	10 03.45	+19 24.3	7.580	7.088	57.6	7.0	20.7		
2001 06 30	10 08.41	+18 41.1	7.720	7.102	49.5	6.3	20.7		
2001 07 10	10 13.80	+17 56.5	7.845	7.116	41.6	5.4	20.7		
2001 07 20	10 19.55	+17 10.7	7.954	7.131	33.7	4.5	20.7		

OPPOSITION DATA

Planet	Opposition	α_{2000}	δ_{2000}	V	$\dot{\alpha}$	$\dot{\delta}$	ϕ_{MIN}	Ref.
1989 SM ₈	2000 07 12.0	19 26.47	-25 26.7	16.5	-1.03	- 2.5	1.7/11.6	20505
1999 FL ₂₄	2000 07 12.0	19 26.62	-22 27.6	17.9	-0.86	- 0.6	0.2/12.0	2008
(10504)	2000 07 12.0	19 26.67	-29 33.3	16.5	-0.99	- 3.4	2.9/10.9	34437
1999 JW ₁₀₃	2000 07 12.0	19 26.80	-08 51.3	17.9	-0.70	- 3.1	3.9/14.1	1446
1997 YW ₁₁	2000 07 12.1	19 26.99	-24 10.1	16.8	-0.91	- 3.8	0.9/11.8	2630
6691 P-L	2000 07 12.1	19 27.15	-32 25.5	18.5	-1.14	- 1.7	4.2/10.9	1666
1984 YL ₁	2000 07 12.1	19 27.16	-29 10.6	17.5	-1.14	- 3.9	2.8/11.1	34282
4256 T-1	2000 07 12.1	19 27.21	-30 00.8	18.2	-0.88	- 1.7	2.5/11.1	35480
1996 HO ₂₃	2000 07 12.2	19 27.26	-13 14.5	17.6	-1.01	- 2.1	3.6/13.3	1419
1981 ED ₃	2000 07 12.2	19 27.39	-05 23.3	21.0	-0.73	- 1.1	4.4/14.4	35677
1994 VD ₁	2000 07 12.2	19 27.40	-30 36.4	17.7	-1.14	- 4.7	3.5/10.9	1416
4227 T-2	2000 07 12.2	19 27.44	-28 23.1	18.8	-0.84	- 2.4	1.8/11.3	35053
1988 RE ₁	2000 07 12.2	19 27.47	+01 22.8	17.2	-0.87	- 1.8	8.5/15.3	1406
(15676)	2000 07 12.2	19 27.49	-26 03.4	17.1	-0.95	- 0.7	1.4/11.8	1673
1999 EA ₁₂	2000 07 12.2	19 27.51	-24 33.2	18.6	-0.97	- 3.6	0.9/11.9	2025
1997 SN ₃₁	2000 07 12.2	19 27.57	-31 24.3	16.9	-1.16	- 0.8	4.4/11.3	2628
1999 CG ₂₈	2000 07 12.2	19 27.62	-34 28.9	17.0	-1.12	- 1.1	5.5/10.9	34541
1994 ET ₃	2000 07 12.2	19 27.65	+15 48.8	16.3	-1.02	-10.1	18.4/22.0	2619
1998 BS ₂₃	2000 07 12.3	19 27.64	-22 11.4	17.8	-0.91	- 1.6	0.1/12.3	1932
1999 FO ₃₂	2000 07 12.3	19 27.64	-36 47.3	17.7	-1.09	- 2.5	5.4/10.2	35347
(16023)	2000 07 12.3	19 27.95	-23 08.4	17.5	-0.96	- 3.6	0.5/12.2	1766
1999 CO	2000 07 12.3	19 27.99	-20 22.5	16.3	-0.97	- 5.1	0.6/12.6	2005
1993 HJ ₄	2000 07 12.4	19 28.19	-37 29.8	19.4	-0.94	- 2.8	4.6/10.1	33235
1998 AE	2000 07 12.4	19 28.20	-21 43.7	18.5	-0.79	- 3.8	0.0/12.5	34889

1994 XF ₁	2000 07 12.4	19 28.23	-28 33.1	16.8	-1.06	- 5.3	2.7/11.4	2620	1999 JO ₁₂	2000 07 13.7	19 33.66	-22 10.2	17.6	-0.86	- 5.4	0.2/13.7	2045
1998 EE ₉	2000 07 12.4	19 28.41	-34 37.3	17.9	-0.95	- 1.0	4.0/10.9	35436	1993 FJ ₃₈	2000 07 13.7	19 33.73	-09 47.3	18.4	-0.76	- 2.8	3.6/15.6	35065
1999 EX ₅	2000 07 12.4	19 28.43	-37 22.3	17.7	-1.04	- 1.1	6.5/10.5	2644	1996 TW ₅₉	2000 07 13.7	19 33.74	-35 50.0	18.1	-1.09	+ 0.5	5.1/12.2	34295
1997 WA ₈	2000 07 12.5	19 28.55	-24 40.6	19.6	-0.93	- 2.3	0.8/12.2	35703	1992 EE ₆	2000 07 13.8	19 33.72	-18 13.3	17.9	-1.01	- 5.5	1.4/14.4	2616
1995 CR ₁	2000 07 12.6	19 28.95	+09 58.5	20.9	-0.92	- 1.3	9.9/17.0	34510	(10734)	2000 07 13.8	19 34.16	-07 03.9	16.9	-0.79	- 2.0	5.1/16.0	34753
(10733)	2000 07 12.6	19 29.03	-19 58.7	17.7	-0.86	- 2.6	0.6/12.9	34753	(15207)	2000 07 13.9	19 34.14	-12 52.6	15.8	-0.87	- 5.8	3.8/15.5	825
1998 YU ₉	2000 07 12.6	19 29.11	-14 09.9	15.8	-0.94	-10.2	3.5/14.3	2640	1999 AM ₃₄	2000 07 13.9	19 34.18	-24 15.7	18.0	-1.13	- 0.2	1.1/13.6	2001
1993 VF ₁	2000 07 12.6	19 29.31	-49 31.0	18.3	-1.31	- 5.2	8.2/07.6	35425	(15724)	2000 07 13.9	19 34.30	-12 34.8	17.6	-1.01	- 1.8	3.6/15.1	1685
1997 UK ₂₁	2000 07 12.7	19 29.23	-28 02.5	18.1	-1.01	- 2.1	2.1/11.9	34587	1997 QB ₁	2000 07 13.9	19 34.32	-27 19.6	18.9	-1.12	- 3.6	2.3/13.1	34296
(15392)	2000 07 12.7	19 29.35	-11 29.8	16.6	-0.94	- 0.9	5.3/13.9	877	1997 XN ₁₂	2000 07 13.9	19 34.40	-14 46.0	17.0	-1.00	+ 0.2	3.5/14.7	1425
1998 DN ₁₇	2000 07 12.7	19 29.70	-07 32.7	19.0	-0.86	- 3.6	4.8/14.9	36355	1999 JT ₇₁	2000 07 13.9	19 34.42	-08 06.1	18.4	-0.77	- 2.2	4.2/16.0	36007
1997 AF ₂₈	2000 07 12.8	19 29.65	-38 36.3	18.1	-1.02	+ 0.5	4.8/10.9	35072	1996 HG ₂₆	2000 07 13.9	19 34.43	-09 47.8	18.2	-1.00	- 2.3	4.7/15.6	1419
1981 EQ ₈	2000 07 12.8	19 29.79	-17 20.5	18.6	-0.94	- 1.4	1.5/13.4	2612	1999 JH ₁₉	2000 07 13.9	19 34.54	-27 53.3	18.0	-0.88	- 1.7	1.9/13.1	35359
1997 XV ₇	2000 07 12.8	19 29.79	-22 45.3	17.3	-1.03	+ 1.5	0.3/12.8	1928	1999 CG ₁₂	2000 07 14.0	19 34.51	+07 02.5	18.9	-0.91	- 6.9	9.5/20.2	35082
1996 TC ₁₂	2000 07 12.8	19 29.82	-21 39.2	19.7	-0.91	- 2.1	0.1/12.9	34199	(11256)	2000 07 14.0	19 34.55	-20 42.4	17.3	-0.97	- 1.3	0.5/14.1	2611
1999 CG ₃₈	2000 07 12.8	19 29.86	-23 06.0	20.1	-1.04	- 1.7	0.5/12.7	34603	1999 GQ ₄	2000 07 14.0	19 34.55	-07 24.2	16.9	-0.76	- 3.1	4.6/16.3	2646
(10709)	2000 07 12.9	19 30.04	-18 21.5	17.1	-0.95	- 3.9	1.2/13.4	34746	(15957)	2000 07 14.0	19 34.62	-22 16.1	17.6	-0.89	- 1.6	0.2/13.9	1748
1999 CL ₉	2000 07 12.9	19 30.11	-40 15.6	18.4	-1.16	- 0.8	6.7/10.8	34602	1994 EP ₆	2000 07 14.0	19 34.74	-14 39.2	19.3	-0.85	- 3.9	2.1/15.2	35293
(15321)	2000 07 12.9	19 30.11	+01 47.1	15.2	-1.27	+23.7	13.3/08.7	858	(10461)	2000 07 14.1	19 34.90	-09 16.3	16.7	-0.96	- 0.9	5.5/15.5	34427
(10662)	2000 07 12.9	19 30.20	-19 28.2	16.8	-0.88	- 3.7	0.9/13.3	2611	1973 SP ₄	2000 07 14.1	19 34.91	-36 34.4	16.1	-1.15	0.0	6.9/12.3	35676
(15796)	2000 07 12.9	19 30.38	-14 28.9	16.4	-0.90	- 5.8	3.4/14.3	1704	1999 FJ	2000 07 14.1	19 34.94	-19 08.2	18.1	-0.91	- 2.0	0.9/14.4	34609
(10125)	2000 07 12.9	19 30.43	-31 26.0	16.1	-1.11	- 0.5	5.2/11.9	1402	1981 EO ₃₉	2000 07 14.1	19 35.01	-19 02.4	18.6	-0.92	- 2.6	1.0/14.5	2612
(10862)	2000 07 13.0	19 30.46	+11 20.0	17.8	-0.83	+ 2.6	11.6/15.3	34786	1995 BO ₇	2000 07 14.1	19 35.16	-32 15.9	17.3	-1.11	+ 4.9	5.4/13.6	33943
1993 FP ₃₄	2000 07 13.0	19 30.53	-31 54.7	18.1	-0.88	- 1.9	3.3/11.6	147	1999 CH ₄	2000 07 14.1	19 35.22	-26 07.1	21.4	-1.02	- 1.6	1.5/13.6	34602
1999 HL ₁₀	2000 07 13.0	19 30.66	+01 26.5	18.0	-0.76	- 0.7	7.6/16.2	34976	1992 EC	2000 07 14.1	19 35.23	-32 16.9	16.9	-1.15	- 0.1	4.7/13.0	1410
(10140)	2000 07 13.0	19 30.84	-18 07.5	16.8	-1.00	- 3.0	1.5/13.6	1402	1998 YG ₁	2000 07 14.1	19 35.26	-30 35.5	16.9	-1.14	- 1.5	4.3/13.1	1996
1981 EU ₃₇	2000 07 13.1	19 30.87	-18 24.2	20.4	-0.93	- 0.8	1.2/13.5	22430	1991 GO ₇	2000 07 14.2	19 35.48	-08 22.1	18.5	-0.90	- 0.8	5.6/16.0	1408
(10867)	2000 07 13.1	19 30.87	-17 35.7	17.6	-0.91	- 3.8	1.6/13.7	34788	2000 LU ₃₃	2000 07 14.2	19 35.49	-14 03.6	16.7	-0.98	+ 5.5	3.5/14.6	2569
1277 T-2	2000 07 13.1	19 31.04	-19 52.6	17.9	-0.84	- 2.1	0.7/13.4	2803	1999 FA ₉	2000 07 14.2	19 35.57	-24 30.6	17.8	-0.87	- 2.4	1.0/13.8	2644
1999 GB ₂₁	2000 07 13.1	19 31.07	-52 52.8	17.9	-1.19	- 3.5	9.0/07.8	34966	1998 BZ ₄₀	2000 07 14.2	19 35.59	-23 29.8	17.8	-0.83	- 1.9	0.5/14.0	31267
1993 TP ₂₇	2000 07 13.1	19 31.14	-23 01.6	18.2	-0.99	- 3.2	0.4/13.0	35689	4268 T-3	2000 07 14.2	19 35.74	-30 43.5	19.3	-1.16	- 4.2	3.4/12.9	36125
2000 LQ ₂₁	2000 07 13.2	19 31.28	-08 58.1	17.0	-0.83	+ 1.6	4.4/14.4	2563	1991 RA ₃	2000 07 14.3	19 35.83	-15 10.6	17.5	-0.87	- 0.9	2.4/15.1	2615
1999 JE ₇₉	2000 07 13.2	19 31.71	-18 18.1	18.0	-0.80	- 5.3	1.0/13.9	2648	1988 CA ₂	2000 07 14.3	19 35.99	-19 04.2	18.0	-1.01	- 5.4	1.0/14.8	2613
1997 YV ₁₁	2000 07 13.3	19 31.72	-15 40.4	17.0	-0.78	- 5.4	1.8/14.4	2630	1998 XG ₅₀	2000 07 14.3	19 36.11	-22 00.9	17.6	-1.13	+ 0.2	0.2/14.3	2639
1999 BE ₇	2000 07 13.3	19 31.89	-33 37.3	18.2	-1.16	- 3.0	4.9/11.7	34317	1981 EY ₄₁	2000 07 14.3	19 36.18	-18 57.1	19.6	-1.03	- 2.5	1.0/14.8	35678
1999 FS ₄₅	2000 07 13.3	19 31.96	-21 03.3	17.6	-1.07	- 3.9	0.3/13.5	2034	1999 GP ₁₆	2000 07 14.4	19 36.20	-41 09.6	17.4	-1.13	- 2.7	6.8/11.5	34962
(11209)	2000 07 13.3	19 32.06	-23 42.0	16.5	-0.86	- 5.7	0.7/13.0	35265	1997 WM	2000 07 14.4	19 36.40	-08 31.3	17.7	-0.90	+ 0.7	4.4/15.9	1013
(15914)	2000 07 13.3	19 32.10	-24 38.9	16.8	-1.10	- 2.0	1.1/13.0	1736	(11156)	2000 07 14.4	19 36.40	-22 43.0	17.7	-0.90	- 1.8	0.4/14.3	35251
1981 ED ₃₁	2000 07 13.4	19 32.15	-17 54.8	18.3	-1.02	- 3.2	1.5/14.0	2612	4217 T-3	2000 07 14.5	19 36.55	-31 38.2	17.8	-1.16	- 4.0	4.2/12.9	1668
(15857)	2000 07 13.4	19 32.24	-16 51.2	16.4	-1.04	- 2.3	2.3/14.1	1720	1999 FS ₃₂	2000 07 14.5	19 36.61	-20 09.8	18.4	-0.81	- 2.3	0.4/14.7	2645
1997 TD ₁₇	2000 07 13.4	19 32.25	-19 11.2	17.8	-1.05	- 4.8	1.1/13.8	2628	1999 AH ₅	2000 07 14.5	19 36.65	-36 42.8	17.1	-1.29	+ 2.1	6.1/13.3	35442
1981 ED ₅	2000 07 13.4	19 32.48	-14 53.9	18.1	-1.02	+ 2.0	3.3/14.1	26915	(10297)	2000 07 14.5	19 36.66	-45 24.1	16.9	-1.20	- 3.4	9.7/10.5	34135
2000 MU	2000 07 13.5	19 32.58	-23 30.8	17.4	-0.90	- 0.6	1.0/13.3	2571	2000 NK	2000 07 14.5	19 36.69	-18 09.0	17.6	-1.01	- 2.5	1.7/15.0	2574
1996 TB ₆	2000 07 13.5	19 32.64	-42 11.9	16.4	-1.21	- 4.0	8.2/09.7	34585	1994 YV ₃	2000 07 14.5	19 36.80	-21 29.8	17.7	-1.12	- 1.1	0.0/14.6	2620
(15966)	2000 07 13.5	19 32.68	-17 48.1	18.0	-0.79	- 3.3	1.1/14.2	1750	1996 PF ₅	2000 07 14.5	19 36.89	-21 33.9	18.1	-1.05	+ 2.1	0.0/14.6	2623
1999 CU ₉	2000 07 13.5	19 32.69	-34 35.6	15.6	-1.21	+ 4.6	6.8/12.7	2641	(10134)	2000 07 14.5	19 36.91	-07 36.6	16.3	-1.04	- 1.9	6.4/17.0	33889
1998 AV	2000 07 13.5	19 32.74	-19 43.7	17.5	-0.83	- 8.0	0.6/14.0	2631	1998 VS ₃₃	2000 07 14.5	19 37.01	-02 56.3	18.2	-1.34	+ 7.1	9.2/15.1	35724
1997 SL ₁	2000 07 13.6	19 32.90	-15 57.6	18.1	-1.02	- 3.1	2.5/14.4	34586	1998 BM ₁	2000 07 14.6	19 37.11	-17 48.5	19.1	-0.77	- 3.0	1.1/15.2	34892
(15962)	2000 07 13.6	19 32.99	-19 28.6	17.8	-1.01	- 3.3	0.8/13.9	1749	1999 CG ₉₉	2000 07 14.6	19 37.26	-32 17.8	18.6	-1.14	- 0.5	4.1/13.4	34255
1999 FS ₉	2000 07 13.6	19 33.10	-36 25.8	16.5	-1.10	- 0.9	6.5/11.7	2644	1999 JX ₁₀₂	2000 07 14.6	19 37.34	-24 14.6	18.4	-0.82	- 3.1	0.8/14.3	2648
(10596)	2000 07 13.6	19 33.15	-19 16.9	17.3	-0.88	- 1.9	0.9/14.0	2611	3160 T-2	2000 07 14.7	19 37.59	-09 24.2	17.9	-0.77	- 3.8	3.9/16.8	31609

1997 TU ₁₈	2000 07 14.7	19 37.60	-12 59.0	18.2	-1.05	- 3.3	3.3/16.0	35702	1999 DL ₁	2000 07 16.1	19 43.24	-28 24.3	18.3	-1.33	+ 4.7	2.6/15.7	637
(10535)	2000 07 14.8	19 38.12	-14 44.1	16.4	-0.90	+ 0.2	2.7/15.6	34445	1999 AE ₂₈	2000 07 16.1	19 43.32	-17 25.3	16.5	-0.91	- 7.3	1.8/17.0	2641
(16039)	2000 07 14.9	19 38.39	-23 59.8	18.1	-0.84	- 2.1	0.8/14.6	1770	1999 GO ₂₁	2000 07 16.1	19 43.45	-36 17.4	17.2	-0.96	- 3.2	4.7/13.7	35448
1995 EU	2000 07 14.9	19 38.46	-17 16.3	17.0	-0.93	- 4.4	1.7/15.7	2620	(11756)	2000 07 16.1	19 43.46	-25 20.2	16.8	-1.07	- 3.6	2.0/15.6	35899
(10621)	2000 07 14.9	19 38.60	-21 51.5	16.9	-0.95	+ 0.3	0.1/15.0	34468	1991 YY	2000 07 16.1	19 43.47	-15 16.2	17.6	-1.08	- 2.5	2.5/17.0	2616
1994 GA	2000 07 15.0	19 38.56	+17 02.9	18.2	-0.90	+ 2.0	12.3/19.2	24112	1998 CH ₁	2000 07 16.2	19 43.48	-18 30.2	18.7	-0.86	- 2.3	0.9/16.6	34590
(16050)	2000 07 15.0	19 38.73	-21 08.3	18.2	-0.81	- 2.4	0.1/15.1	1773	1999 AA ₄	2000 07 16.2	19 43.51	-30 13.2	16.2	-1.03	+ 0.6	4.3/15.2	2640
1998 YM ₂₂	2000 07 15.0	19 38.84	-16 20.1	18.7	-0.99	- 5.4	2.0/16.0	39293	1981 CH	2000 07 16.2	19 43.55	-38 37.0	17.9	-1.47	+ 5.0	6.4/15.3	35057
(10221)	2000 07 15.0	19 38.86	-33 08.3	17.3	-1.10	- 3.5	4.6/13.3	1402	1999 CS ₁₀₃	2000 07 16.2	19 43.59	-10 04.8	17.7	-0.98	- 3.7	4.8/18.1	2019
(15919)	2000 07 15.1	19 39.06	-22 45.1	16.5	-1.02	- 6.8	0.6/14.9	1737	1993 FL ₂₅	2000 07 16.2	19 43.63	-02 29.9	19.4	-0.73	- 2.2	4.9/19.4	35290
(15746)	2000 07 15.1	19 39.17	-18 39.7	17.7	-0.93	- 2.5	1.1/15.5	1691	1999 AW ₂₁	2000 07 16.2	19 43.67	-12 33.2	17.7	-0.97	- 6.5	3.8/17.9	1999
1988 CO ₄	2000 07 15.1	19 39.23	-15 39.7	17.3	-1.04	+ 0.5	2.4/15.8	2613	1997 YC ₁₈	2000 07 16.2	19 43.69	-22 39.9	21.4	-0.93	- 0.6	0.4/16.1	31286
1997 WF ₃	2000 07 15.1	19 39.29	-22 46.5	18.2	-1.00	- 2.0	0.6/15.0	1926	1996 RZ ₁₉	2000 07 16.2	19 43.73	-22 18.8	18.1	-0.90	- 2.0	0.3/16.1	39173
(10281)	2000 07 15.1	19 39.31	-38 28.3	17.6	-1.09	- 1.1	6.4/12.9	34132	2000 LL ₁₉	2000 07 16.3	19 43.86	-07 56.6	16.7	-0.92	- 0.4	6.3/18.0	2561
(16024)	2000 07 15.1	19 39.37	-47 17.9	16.3	-1.27	+ 0.4	11.3/11.8	1766	1996 TV ₁₄	2000 07 16.3	19 43.91	-23 05.2	17.6	-0.90	- 1.8	0.7/16.1	2624
(15473)	2000 07 15.1	19 39.40	+00 26.1	17.0	-0.87	- 3.1	7.4/18.7	901	1996 HO ₁₂	2000 07 16.3	19 44.09	-02 41.8	17.8	-0.76	- 0.5	10.2/19.0	1906
2000 NC	2000 07 15.2	19 39.54	-24 58.2	17.5	-1.15	+ 0.8	1.4/14.9	2574	2000 MR	2000 07 16.4	19 44.20	-17 40.9	16.3	-1.63	+18.3	1.9/16.1	2571
1997 VS ₃	2000 07 15.2	19 39.85	-25 22.0	17.4	-1.09	- 3.8	1.6/14.7	35703	1997 WN ₂₄	2000 07 16.4	19 44.30	-30 01.1	19.3	-1.15	- 3.2	3.5/15.1	35703
1998 WP ₄	2000 07 15.3	19 39.76	+24 01.4	18.1	-1.09	- 1.1	20.3/23.8	2637	5034 T-3	2000 07 16.4	19 44.39	-02 32.4	18.3	-0.79	- 4.2	5.9/19.9	2806
(10286)	2000 07 15.3	19 39.95	-33 20.0	16.8	-1.16	- 1.7	5.0/13.7	34133	4591 P-L	2000 07 16.5	19 44.85	-32 56.4	17.9	-1.09	- 2.2	4.0/14.8	35048
1997 UY ₂	2000 07 15.3	19 40.02	-03 52.2	18.3	-1.04	+ 0.1	7.4/17.0	2628	1993 BY ₂	2000 07 16.5	19 44.95	-22 57.0	17.9	-0.87	- 0.9	0.5/16.3	35423
1996 RE ₁	2000 07 15.3	19 40.06	-25 53.6	18.3	-1.04	- 3.9	1.6/14.6	2624	4895 P-L	2000 07 16.5	19 44.96	-13 28.0	17.2	-0.87	- 4.0	2.9/17.9	2583
1996 TS ₁₄	2000 07 15.4	19 40.23	-23 36.4	17.4	-0.91	- 1.9	0.8/15.1	2624	1993 VS ₄	2000 07 16.5	19 44.97	-33 41.2	16.3	-1.08	- 7.1	5.2/14.0	1415
(11408)	2000 07 15.4	19 40.25	-20 19.1	17.0	-0.83	- 1.9	0.4/15.6	1403	2000 LM ₁₉	2000 07 16.5	19 45.00	-09 11.0	16.9	-0.85	+ 0.7	5.4/18.0	2562
1999 CJ ₆₈	2000 07 15.4	19 40.27	-22 20.2	18.2	-1.03	- 1.7	0.3/15.3	2014	1994 WR ₅	2000 07 16.5	19 45.00	-24 35.0	17.9	-1.13	- 3.8	1.5/16.1	2620
1999 CP ₇₉	2000 07 15.4	19 40.55	-03 46.0	16.4	-0.82	- 6.0	7.3/19.1	2016	(15739)	2000 07 16.6	19 45.12	-11 14.4	17.9	-0.91	- 4.2	3.7/18.4	1689
1999 GL ₂₈	2000 07 15.4	19 40.64	-11 43.5	17.5	-0.95	- 3.6	3.9/17.0	2039	1997 YN ₁	2000 07 16.6	19 45.14	-16 59.0	18.7	-0.92	- 5.6	1.4/17.4	31424
1999 CB ₈₁	2000 07 15.5	19 40.65	-13 38.6	17.8	-0.99	- 2.6	2.9/16.6	35444	1996 RK ₁	2000 07 16.6	19 45.20	-24 29.0	19.8	-0.96	- 2.6	1.1/16.1	31421
1994 BL ₄	2000 07 15.5	19 40.70	-31 59.0	19.0	-1.06	0.0	3.3/14.3	23686	1991 VP ₇	2000 07 16.7	19 45.43	+00 58.9	17.3	-0.80	- 1.1	7.7/20.1	2616
1996 TZ ₂₀	2000 07 15.5	19 40.83	-22 18.7	19.0	-0.88	- 1.8	0.3/15.4	31279	1999 FG ₃₉	2000 07 16.7	19 45.43	-22 28.1	17.3	-1.07	- 3.6	0.5/16.5	2033
1998 BU ₁₅	2000 07 15.6	19 41.01	-29 59.5	18.0	-0.96	- 3.7	3.0/14.2	1931	1990 QP ₆	2000 07 16.7	19 45.52	-30 18.3	17.3	-1.15	- 0.4	4.2/15.6	35682
1981 EF ₈	2000 07 15.6	19 41.10	-10 53.0	18.1	-0.77	- 1.5	3.0/17.0	1404	1999 GW ₃₁	2000 07 16.7	19 45.55	-24 13.2	17.9	-0.88	- 3.1	1.0/16.2	2646
2149 T-1	2000 07 15.6	19 41.20	-31 24.9	18.0	-0.89	- 1.4	2.9/14.2	35479	1999 JR ₉₁	2000 07 16.7	19 45.56	-12 08.6	17.6	-0.79	- 4.2	2.8/18.4	2053
1992 RS ₄	2000 07 15.6	19 41.22	-23 09.3	17.5	-0.92	- 1.2	0.8/15.4	2616	1990 VV ₁₁	2000 07 16.7	19 45.70	-23 48.3	18.0	-0.86	- 2.5	0.8/16.3	29098
1992 MD	2000 07 15.7	19 41.44	-10 27.8	16.4	-0.78	-15.8	5.2/19.0	2616	(15763)	2000 07 16.7	19 45.80	-30 20.9	17.3	-0.97	- 4.7	3.2/15.1	1696
1999 FB ₂₉	2000 07 15.7	19 41.79	+06 12.1	18.9	-0.74	- 3.5	8.5/21.4	35088	1981 EH ₃₅	2000 07 16.8	19 45.84	-23 55.8	19.3	-1.10	- 1.8	1.0/16.4	34573
1981 UN ₂₂	2000 07 15.8	19 42.19	-21 23.0	17.3	-1.09	- 3.9	0.0/15.9	1862	1995 SJ ₄	2000 07 16.8	19 45.90	-00 59.0	17.4	-0.87	+ 3.7	7.1/18.5	2621
(15006)	2000 07 15.8	19 42.20	-28 31.0	18.1	-0.84	- 4.9	2.2/14.6	64	1991 PP ₉	2000 07 16.8	19 45.95	-27 01.4	17.9	-0.97	- 1.0	1.8/16.0	31785
1990 ST ₂	2000 07 15.9	19 42.19	-25 42.7	15.9	-1.03	- 3.3	2.3/15.2	2614	(16344)	2000 07 16.8	19 46.04	-07 21.5	16.9	-0.83	- 0.8	5.7/18.8	1856
1995 GA ₈	2000 07 15.9	19 42.34	-27 49.5	19.3	-1.03	- 1.9	2.3/15.0	34013	1995 GF ₆	2000 07 16.8	19 46.11	-16 37.0	17.7	-0.91	- 4.4	1.9/17.7	2620
1999 CH ₁₄	2000 07 15.9	19 42.45	-29 04.0	17.4	-1.16	- 1.8	3.0/14.9	2641	5112 T-2	2000 07 16.8	19 46.22	-13 16.4	19.0	-0.78	- 0.6	2.1/18.0	35480
(10130)	2000 07 15.9	19 42.47	-24 14.5	17.0	-1.15	- 1.9	1.3/15.6	2611	1999 JJ ₆	2000 07 16.9	19 46.21	-45 21.9	18.2	-1.23	- 8.7	7.1/11.2	34981
1996 VS ₂₇	2000 07 15.9	19 42.50	-22 24.4	19.7	-0.84	- 2.8	0.4/15.8	1912	1997 UK ₉	2000 07 16.9	19 46.25	+22 11.0	18.9	-1.04	+ 4.9	18.6/18.1	36353
1999 CL ₁₀₁	2000 07 15.9	19 42.51	-33 29.6	16.9	-1.10	- 1.8	5.1/14.3	34606	1991 CM ₁	2000 07 16.9	19 46.28	-21 12.6	18.1	-1.02	- 1.6	8.3/27.0	40296
1996 TY ₂₇	2000 07 15.9	19 42.53	-23 40.5	19.6	-0.80	- 2.9	0.6/15.6	31279	(15771)	2000 07 16.9	19 46.35	-24 13.7	17.0	-0.84	- 2.6	1.1/16.4	1697
(16005)	2000 07 15.9	19 42.62	-21 03.9	17.6	-1.08	-13.4	0.1/16.1	1761	1999 JE ₈₂	2000 07 16.9	19 46.38	-19 48.2	17.3	-0.91	- 5.1	0.5/17.2	2648
(9961)	2000 07 16.0	19 42.60	-14 18.7	17.0	-1.07	- 1.4	3.0/17.0	33662	1997 VX ₇	2000 07 16.9	19 46.38	-34 51.4	18.0	-1.14	- 1.0	5.9/15.1	34299
2000 NC ₂	2000 07 16.0	19 42.72	-25 07.8	18.0	-0.98	- 1.1	1.9/15.5	2574	(15670)	2000 07 16.9	19 46.42	-19 22.6	18.4	-0.83	- 2.7	0.6/17.2	1671
1997 UL ₉	2000 07 16.0	19 42.83	-41 43.8	19.8	-1.14	- 2.8	6.3/12.7	34587	1990 VN ₁₄	2000 07 16.9	19 46.42	-20 28.7	17.6	-0.80	- 2.5	6.4/27.0	2615
3084 P-L	2000 07 16.0	19 42.90	-12 36.6	17.7	-0.99	- 1.1	3.5/17.2	2580	(15840)	2000 07 16.9	19 46.50	-18 11.9	16.6	-0.84	- 7.4	1.2/17.6	1715
1999 AV	2000 07 16.1	19 43.09	-26 24.0	18.3	-1.11	- 2.1	1.9/15.4	35080	1055 T-2	2000 07 16.9	19 46.63	-24 36.5	18.0	-0.94	- 1.8	1.4/16.5	2803

(10533)	2000 07 17.0	19 46.61 -22 23.0 16.8	-0.91 - 2.5	0.5/16.8	34445	1981 EM ₂₃	2000 07 18.2	19 51.63 -34 40.8 18.7	-0.95 - 1.4	4.2/16.0	32298
(11667)	2000 07 17.0	19 47.01 -31 04.4 16.7	-1.02 - 2.8	5.0/15.5	1403	1981 EP ₁₅	2000 07 18.2	19 51.67 -19 54.3 17.4	-1.09 - 0.7	0.4/18.4	2612
1997 XU ₉	2000 07 17.0	19 47.04 -32 05.0 15.2	-0.94 - 5.3	6.0/14.9	31283	1999 CW ₂₂	2000 07 18.2	19 51.68 -24 34.9 17.9	-1.10 - 4.1	1.5/17.6	2009
1997 UE	2000 07 17.1	19 47.02 -20 21.0 19.0	-1.03 - 2.7	0.3/17.2	2628	(15960)	2000 07 18.2	19 51.90 -26 53.4 16.4	-0.98 -10.6	2.1/16.8	1748
1991 GU ₆	2000 07 17.1	19 47.08 -39 45.3 18.4	-1.14 - 1.7	7.3/14.3	34836	1993 FN ₅₀	2000 07 18.3	19 51.84 -06 27.3 16.9	-0.82 - 3.8	8.0/21.0	2617
1993 GN ₁	2000 07 17.1	19 47.20 -16 36.9 17.6	-1.10 - 1.2	2.0/17.7	2617	1998 YK ₁₂	2000 07 18.3	19 52.06 -09 11.0 18.1	-1.47 +10.6	6.2/18.3	1998
(10070)	2000 07 17.1	19 47.26 -24 28.1 16.9	-1.11 - 1.9	1.5/16.7	1402	1994 CJ ₁₁	2000 07 18.3	19 52.19 -03 15.0 18.7	-0.83 - 7.5	5.8/22.4	2618
(10366)	2000 07 17.1	19 47.31 -15 54.3 17.3	-1.05 - 3.8	2.1/18.0	34152	1998 BA ₂₀	2000 07 18.3	19 52.24 -20 33.4 17.8	-0.90 - 2.4	0.1/18.4	2631
1999 BE ₁	2000 07 17.1	19 47.39 -23 20.4 18.2	-1.14 - 0.9	0.9/16.9	2641	1992 SF ₁₄	2000 07 18.4	19 52.28 +11 31.9 16.7	-0.93 + 5.0	15.0/19.7	2616
1999 JB ₉₉	2000 07 17.1	19 47.47 -11 34.9 18.4	-0.77 - 5.1	2.7/19.0	1445	1998 DF ₁₆	2000 07 18.4	19 52.43 -14 09.3 18.5	-0.76 - 5.8	1.9/19.8	38463
1992 EO ₄	2000 07 17.2	19 47.46 -20 46.5 17.7	-1.03 - 5.7	0.2/17.3	2616	1999 AZ ₂₂	2000 07 18.4	19 52.44 -32 43.3 17.0	-1.14 - 3.9	4.9/16.4	1439
1990 BA ₁	2000 07 17.2	19 47.54 -40 26.7 17.6	-1.16 - 0.4	7.1/14.6	34576	1999 JO ₃₂	2000 07 18.4	19 52.51 -32 43.8 17.7	-0.86 - 3.9	3.6/16.2	35455
1993 DQ	2000 07 17.2	19 47.80 -23 54.5 15.3	-1.03 - 4.5	1.4/16.8	2617	1995 LV	2000 07 18.4	19 52.52 -24 04.4 18.7	-0.92 - 6.7	1.1/17.8	39166
1979 OU ₁₁	2000 07 17.2	19 47.83 -12 01.5 18.4	-0.91 - 7.2	3.4/19.1	1859	1985 FF ₂	2000 07 18.4	19 52.54 -23 08.7 17.8	-0.95 - 0.8	0.7/18.2	2613
1998 FK ₃₀	2000 07 17.3	19 48.04 -26 55.5 17.9	-1.04 - 1.5	1.9/16.5	35706	(10813)	2000 07 18.4	19 52.66 +07 58.3 16.7	-0.71 - 4.2	9.0/24.9	34773
(15702)	2000 07 17.3	19 48.11 -19 36.2 17.1	-0.97 + 0.2	0.5/17.5	1679	(15704)	2000 07 18.4	19 52.72 -21 08.3 16.4	-1.09 + 1.3	0.1/18.5	1680
(10859)	2000 07 17.4	19 48.29 -36 37.1 16.4	-1.10 - 1.2	6.2/15.3	34785	1999 BK ₅	2000 07 18.5	19 52.72 -18 21.9 18.1	-1.10 - 2.6	1.1/18.9	2002
(13391)	2000 07 17.4	19 48.45 -10 14.1 17.1	-0.80 - 0.9	3.4/19.0	1403	1981 EQ ₁₆	2000 07 18.5	19 52.73 -34 48.8 19.0	-0.95 - 0.1	4.0/16.5	32042
(11206)	2000 07 17.4	19 48.48 -30 22.0 18.5	-1.00 - 3.4	3.0/15.9	35264	2000 LA ₂₃	2000 07 18.5	19 52.81 -08 33.5 18.7	-0.93 - 1.3	6.0/20.4	2564
1993 FF ₄	2000 07 17.4	19 48.50 -24 19.6 18.9	-0.84 - 2.3	0.9/16.9	35065	(10550)	2000 07 18.5	19 52.94 -21 25.3 17.2	-0.93 - 4.4	0.2/18.5	34449
1997 UF ₁	2000 07 17.4	19 48.62 -13 26.6 17.7	-1.02 - 2.0	3.3/18.6	31280	(10072)	2000 07 18.5	19 52.96 -25 14.8 17.6	-1.12 - 1.7	1.7/17.9	33875
1999 JJ ₁₇	2000 07 17.4	19 48.64 -28 54.3 18.8	-0.83 - 4.4	2.1/16.0	34985	2000 NN ₃	2000 07 18.5	19 53.05 -17 56.9 15.6	-0.90 - 9.7	1.2/19.3	2575
1999 FO ₁₄	2000 07 17.5	19 48.77 -24 38.7 18.4	-0.96 - 2.4	1.3/17.0	34947	1997 VW	2000 07 18.6	19 53.08 -09 08.4 16.7	-0.93 + 0.2	4.2/20.2	1423
1988 RE ₁₀	2000 07 17.5	19 48.91 -16 49.8 17.1	-0.88 - 3.6	2.1/18.3	2613	1998 BQ ₁₅	2000 07 18.6	19 53.09 -18 22.1 18.1	-0.89 - 6.8	0.9/19.1	2631
1995 FD	2000 07 17.5	19 49.05 -26 37.1 18.4	-1.01 - 2.0	2.0/16.8	34583	(15782)	2000 07 18.6	19 53.12 -21 48.7 18.0	-1.03 - 4.5	0.4/18.5	1700
1994 CB ₁	2000 07 17.6	19 49.03 -17 32.8 18.4	-0.96 - 2.0	1.1/18.1	2618	2207 T-2	2000 07 18.6	19 53.27 -20 55.1 17.7	-0.82 - 2.3	0.0/18.6	2803
(10713)	2000 07 17.6	19 49.21 +06 53.8 16.8	-0.86 + 1.4	10.9/20.7	34747	1996 PH	2000 07 18.6	19 53.44 -21 56.4 18.0	-0.97 - 0.9	0.5/18.5	2623
1997 WM ₂₄	2000 07 17.6	19 49.39 -32 48.1 17.1	-1.17 - 3.6	5.4/15.6	1424	1999 FS ₂₈	2000 07 18.7	19 53.62 -18 12.5 17.8	-0.86 - 2.8	0.9/19.2	2645
1998 DS ₃	2000 07 17.6	19 49.44 -12 29.0 17.2	-0.78 - 4.3	2.6/19.3	2632	1996 UO ₂	2000 07 18.7	19 53.77 -13 59.8 20.5	-0.81 - 1.9	2.2/19.9	35697
6102 P-L	2000 07 17.7	19 49.45 -17 57.8 19.4	-1.04 - 2.7	1.3/18.2	2801	(16030)	2000 07 18.7	19 53.79 -21 05.1 16.8	-0.95 - 5.9	0.1/18.7	1768
1997 WB ₂	2000 07 17.7	19 49.68 -18 30.5 19.0	-1.01 - 3.2	0.9/18.2	31151	1999 JV ₂₂	2000 07 18.7	19 53.90 -16 15.3 19.4	-0.81 - 2.0	1.4/19.5	35650
1984 AJ ₁	2000 07 17.7	19 49.73 -29 32.8 18.3	-1.11 - 1.3	3.0/16.6	34574	1999 CT ₁₄	2000 07 18.8	19 53.95 -04 52.1 17.7	-0.91 - 5.6	5.8/22.0	2007
(15984)	2000 07 17.8	19 49.85 -26 00.7 17.4	-1.00 - 5.0	1.7/16.9	1755	1981 EW ₁₆	2000 07 18.8	19 54.26 -16 43.8 19.1	-0.92 - 2.2	1.6/19.5	26918
1992 PY ₃	2000 07 17.8	19 49.86 -22 12.8 16.5	-0.99 + 1.5	0.6/17.7	1878	1997 SV ₂₃	2000 07 18.8	19 54.27 -25 07.2 19.2	-1.03 - 2.6	1.5/18.2	34586
1997 WL ₃₇	2000 07 17.8	19 49.89 -16 29.4 19.0	-1.01 - 2.7	1.8/18.5	34588	1993 RJ ₁	2000 07 18.8	19 54.31 -14 47.9 18.7	-0.96 - 3.4	2.9/19.9	2618
1998 DV ₁	2000 07 17.8	19 49.90 -26 51.4 15.5	-1.14 + 2.3	2.4/17.2	31432	1999 FE ₃₃	2000 07 18.9	19 54.45 -10 45.5 18.6	-0.96 - 3.9	4.0/20.7	2032
1996 GF ₂₀	2000 07 17.8	19 49.92 -15 15.2 20.0	-1.04 - 2.8	2.3/18.7	30668	(15865)	2000 07 18.9	19 54.49 -29 09.1 15.9	-1.05 - 6.7	4.0/17.2	1722
2000 NZ ₅	2000 07 17.8	19 50.17 -10 13.3 17.1	-0.99 + 5.0	5.1/18.6	2798	1997 TM ₂₆	2000 07 18.9	19 54.55 -28 00.3 17.3	-1.11 - 3.9	2.9/17.7	2628
(10735)	2000 07 17.8	19 50.25 -17 31.3 17.0	-1.03 - 1.7	1.3/18.4	1403	(10111)	2000 07 18.9	19 54.62 -11 52.3 16.0	-0.89 - 8.3	3.4/21.0	33884
1998 XG ₁₆	2000 07 17.9	19 50.33 -56 36.3 17.5	-1.83 -12.0	16.2/07.0	35728	1998 WR ₄	2000 07 19.0	19 54.64 +19 28.0 18.6	-1.09 - 2.0	17.0/27.0	33522
1997 SB ₃	2000 07 17.9	19 50.42 -12 25.2 18.1	-1.03 - 2.8	3.7/19.2	34586	1991 PD ₁₂	2000 07 19.0	19 54.73 +01 03.8 17.1	-0.78 - 4.4	9.1/23.4	2615
1510 T-2	2000 07 17.9	19 50.42 -14 31.4 18.6	-0.79 - 2.8	2.1/19.1	35125	1999 JX ₁₀₄	2000 07 19.0	19 54.82 -24 15.0 18.2	-0.85 - 3.6	1.1/18.4	2055
1975 SX ₁	2000 07 17.9	19 50.50 -07 28.6 17.9	-0.79 - 2.4	4.4/20.2	35676	1998 DT ₂₁	2000 07 19.0	19 54.85 -23 53.3 17.3	-0.87 - 2.8	1.2/18.5	2632
1990 UZ ₄	2000 07 17.9	19 50.56 -26 44.7 18.6	-0.81 - 3.5	1.6/16.9	35061	1981 ET ₃₉	2000 07 19.0	19 54.98 -24 31.7 19.5	-0.82 - 1.5	1.0/18.5	32739
1999 CT ₇₉	2000 07 17.9	19 50.64 -16 02.1 18.2	-1.05 - 1.7	2.0/18.7	35083	(10643)	2000 07 19.0	19 55.06 -12 44.0 16.8	-0.93 - 2.2	3.3/20.4	34474
1996 VT ₂₉	2000 07 18.0	19 50.78 -33 19.2 17.9	-0.92 - 3.2	3.7/15.8	34869	1997 XC	2000 07 19.0	19 55.08 -05 02.6 18.5	-0.76 - 0.9	4.1/21.6	2630
1997 TX ₁₆	2000 07 18.1	19 51.43 -38 08.9 17.8	-1.12 - 4.0	6.6/15.1	34875	(9780)	2000 07 19.0	19 55.10 -21 01.5 15.8	-1.15 - 0.2	0.1/19.1	33206
(15918)	2000 07 18.1	19 51.44 -22 17.6 16.4	-1.15 + 1.7	0.6/18.0	1737	2000 LZ ₁₉	2000 07 19.1	19 55.10 -09 07.4 17.8	-0.95 - 1.7	5.7/21.0	2562
1997 YX ₇	2000 07 18.1	19 51.51 -21 42.4 19.0	-0.83 - 2.8	0.2/18.1	34886	1997 UE ₁₅	2000 07 19.1	19 55.18 -04 13.7 18.4	-0.92 - 1.3	6.2/21.7	2629
1996 HX ₂₀	2000 07 18.2	19 51.46 -09 56.8 18.8	-1.00 - 2.3	4.9/19.8	1419	1999 BR ₂	2000 07 19.1	19 55.21 -30 20.7 17.6	-1.10 - 5.2	4.0/17.3	1439
(10802)	2000 07 18.2	19 51.62 -27 07.9 17.9	-0.94 - 3.7	2.0/17.2	34770	1993 RU ₇	2000 07 19.1	19 55.24 -20 58.6 17.4	-1.01 - 2.2	0.1/19.1	2618

1988 RP ₃ (10182)	2000 07 19.1	19 55.41 -40 31.6 17.4	-1.23 - 0.5	7.5/16.1	131	1992 SG ₂	2000 07 20.3	19 59.86 -01 24.0 16.4	-0.78 - 7.2	8.5/25.0	2616
1999 CF ₇₃	2000 07 19.1	19 55.44 -34 32.3 16.9	-1.17 - 2.2	6.2/17.1	33901	2281 T-2	2000 07 20.3	19 59.89 -23 11.9 17.6	-0.92 - 2.0	1.0/19.9	2804
2000 LQ ₁₉	2000 07 19.2	19 55.48 -10 31.7 18.2	-0.96 - 2.8	4.2/20.9	2643	1993 FB ₂₆ (10317)	2000 07 20.3	20 00.11 -22 26.9 16.5	-1.04 - 1.2	1.0/20.1	2617
1992 EW ₂ (16019)	2000 07 19.2	19 55.62 -02 47.8 15.8	-0.87 - 0.5	8.1/21.8	2562	1999 FD ₁₀	2000 07 20.3	20 00.17 -14 46.3 17.0	-1.06 - 1.4	2.5/21.2	2611
1997 WY ₄₉	2000 07 19.3	19 55.69 -24 26.0 18.9	-1.02 - 2.9	1.7/18.7	35685	1999 BW ₁₄	2000 07 20.4	20 00.28 -16 59.9 17.9	-0.95 - 3.2	1.3/21.0	2644
1981 DR ₂ (15496)	2000 07 19.3	19 55.97 -16 18.4 16.3	-1.01 + 1.7	2.2/19.8	1765	1999 JJ ₉₂ (10890)	2000 07 20.4	20 00.45 -22 29.0 18.4	-1.04 - 2.2	0.8/20.1	35732
(10569)	2000 07 19.3	19 56.04 -22 23.6 16.9	-1.03 - 1.7	0.7/19.1	2630	1999 AQ ₂₁ (15823)	2000 07 20.5	20 00.50 -12 37.0 18.2	-0.83 - 4.7	2.6/22.0	2648
1993 OE ₁₃ (16037)	2000 07 19.4	19 56.15 -26 12.3 18.6	-1.01 + 0.1	1.8/18.6	34573	4295 T-3	2000 07 20.5	20 00.64 -28 34.7 16.3	-0.87 - 5.8	2.8/18.7	34794
1999 KS ₃	2000 07 19.4	19 56.29 -27 27.8 16.8	-0.98 - 6.7	2.4/18.0	907	1997 YQ ₁₀	2000 07 20.5	20 00.66 -19 05.3 17.5	-1.02 - 3.0	0.6/20.7	2640
1992 EO ₇	2000 07 19.4	19 56.35 -40 13.0 17.6	-1.02 - 2.8	6.1/15.9	34454	1999 JC ₂₄ (10024)	2000 07 20.6	20 00.80 -17 20.5 17.0	-1.07 - 3.0	1.5/21.1	1711
1999 FQ ₂₁	2000 07 19.4	19 56.42 +00 43.7 17.8	-0.72 - 3.5	6.9/23.8	1770	(10945)	2000 07 20.7	20 00.81 -29 03.1 17.9	-1.03 - 4.5	3.5/18.9	2806
2000 MP ₂	2000 07 19.4	19 56.45 +14 19.7 17.7	-0.77 + 0.6	10.1/25.2	1446	1999 GY ₁₀ (9873)	2000 07 20.7	20 00.91 -29 40.9 17.6	-0.90 - 4.2	2.8/18.8	2630
1999 JR ₄₅	2000 07 19.5	19 56.49 -29 12.7 18.7	-1.10 - 4.0	3.3/18.0	34288	1981 EO ₂₈	2000 07 20.8	20 01.08 -02 48.3 18.2	-0.86 - 1.5	5.7/23.5	2047
1999 CM ₁₁₇	2000 07 19.5	19 56.59 -01 26.8 19.5	-0.85 - 4.8	6.8/23.4	35087	1999 GL ₂	2000 07 20.8	20 01.11 -23 47.2 17.0	-1.03 - 2.4	1.4/20.1	33864
1992 SW ₁₆ (10603)	2000 07 19.5	19 56.71 -21 29.1 17.6	-1.01 + 0.6	0.3/19.4	2572	1997 XM	2000 07 20.8	20 01.58 -24 47.7 17.1	-0.83 - 5.1	1.3/19.8	34809
(10652)	2000 07 19.5	19 56.66 +03 48.8 19.2	-0.73 - 1.1	6.6/23.9	35458	1991 CW ₂ (10903)	2000 07 20.8	20 01.86 -23 20.0 18.5	-0.83 - 2.5	0.9/20.3	36087
(15952)	2000 07 19.6	19 56.88 -09 44.3 18.4	-1.01 - 2.6	4.1/21.3	35084	1991 PK ₁₂	2000 07 20.9	20 02.05 -56 42.8 15.5	-2.17 + 6.6	19.5/17.5	1402
1992 EE ₁₉	2000 07 19.6	19 57.10 -18 37.7 17.6	-0.89 - 2.3	1.0/19.9	2616	1999 CE ₁₄	2000 07 20.9	20 02.08 -28 54.8 18.1	-1.00 - 1.5	3.2/19.5	2612
1999 JQ ₉	2000 07 19.6	19 57.14 -28 01.2 17.2	-0.94 - 3.1	2.7/18.3	34464	1996 WJ ₃	2000 07 20.9	20 01.94 -18 30.8 17.0	-0.87 - 2.5	0.7/21.2	2645
1999 JO ₃₈	2000 07 19.6	19 57.16 -29 22.4 18.4	-0.99 - 2.1	3.1/18.2	34476	1999 FS ₂₇	2000 07 20.9	20 01.99 -24 21.8 17.9	-0.99 - 2.8	1.3/20.2	35073
1993 FN ₃₄	2000 07 19.6	19 57.24 -17 16.0 17.3	-0.79 - 6.3	1.1/20.4	1746	1998 XV ₁₁	2000 07 20.9	20 02.18 -33 03.9 17.8	-1.10 - 2.1	4.5/18.8	35420
1998 YN ₂	2000 07 19.6	19 57.29 -21 16.4 17.3	-1.08 - 5.8	0.2/19.5	2616	1993 RH ₉	2000 07 20.9	20 02.25 -04 10.5 18.0	-0.88 - 1.2	5.3/23.5	34797
2212 T-2	2000 07 19.7	19 57.30 -17 12.1 18.0	-0.88 - 4.2	1.2/20.3	2045	2000 LK ₂₀ (10618)	2000 07 21.0	20 02.27 -08 03.0 17.6	-0.87 - 0.2	5.1/22.7	2615
1999 JP ₁₈	2000 07 19.7	19 57.42 -07 52.7 17.8	-0.83 - 2.4	4.1/21.9	1445	1981 ET ₉	2000 07 21.1	20 02.36 -11 28.0 17.7	-1.03 - 3.0	3.7/23.4	35443
1989 CH	2000 07 19.7	19 57.45 -25 18.6 17.8	-0.82 - 3.3	1.5/18.8	1881	1999 GR ₈	2000 07 21.1	20 02.39 -05 53.5 18.4	-0.77 - 2.3	4.2/23.6	36521
1999 EL	2000 07 19.8	19 57.49 -22 29.6 18.8	-1.02 - 4.1	0.7/19.4	2639	1998 DC ₁	2000 07 21.1	20 02.41 -14 12.8 16.9	-0.85 - 3.7	2.4/22.0	2030
2000 LT ₁₉	2000 07 19.8	19 57.45 -23 51.6 18.3	-0.92 - 2.5	1.1/19.2	2804	1999 CG ₄	2000 07 21.1	20 02.53 -01 11.8 17.0	-1.28 + 6.4	8.6/22.5	2639
2000 NU	2000 07 19.8	19 57.66 -29 36.4 19.4	-1.02 - 2.1	2.8/18.3	35359	1997 TV ₉	2000 07 21.2	20 02.72 -19 37.1 19.8	-1.02 - 2.6	0.3/21.1	34581
2000 LX ₁₉ (16032)	2000 07 19.9	19 57.67 -12 56.3 17.3	-0.83 - 6.0	2.3/21.4	2613	1999 DV ₃	2000 07 21.3	20 02.73 -03 55.4 16.1	-0.95 + 1.6	6.7/23.0	2562
1997 UZ ₁	2000 07 19.9	19 58.13 +03 25.7 16.6	-0.74 - 4.7	8.2/25.4	2644	2000 MR ₂	2000 07 21.3	20 03.02 -15 43.1 17.3	-1.03 - 3.3	2.0/21.9	34467
1999 CM ₁₂₆	2000 07 20.0	19 58.14 -03 44.4 16.8	-0.90 + 2.9	7.7/21.6	2562	1999 FY ₂₃	2000 07 21.3	20 03.13 -20 25.0 19.7	-1.06 - 1.5	0.0/21.1	22270
1997 WQ ₃₈	2000 07 20.0	19 58.16 -18 34.8 16.5	-0.89 - 4.0	0.9/20.2	2574	1998 BZ ₂₅ (15808)	2000 07 21.3	20 03.19 -20 56.3 18.0	-0.80 - 3.6	0.2/21.0	2646
1997 XR ₁₀	2000 07 20.0	19 58.26 -06 21.6 16.9	-0.95 0.0	5.2/22.0	2562	1997 WB	2000 07 21.3	20 03.33 -34 22.5 19.8	-0.93 - 0.6	3.8/18.9	31800
1999 FY ₂₉	2000 07 20.0	19 58.53 -04 38.8 17.2	-0.80 - 1.8	5.7/22.7	1768	1999 GF ₁₉	2000 07 21.3	20 03.48 -26 56.0 18.2	-1.12 - 1.5	2.5/20.2	39298
1996 NA ₃	2000 07 20.1	19 58.73 -35 18.4 17.7	-1.10 - 2.2	7.0/17.5	31014	1998 XT ₁₀	2000 07 21.3	20 03.85 -26 44.0 19.4	-0.97 - 3.2	2.0/20.1	35702
1997 WL ₄₆	2000 07 20.1	19 58.68 -38 50.2 17.4	-1.10 - 5.1	6.2/16.4	1443	1997 YB	2000 07 21.3	20 03.87 -44 46.3 16.4	-1.12 - 5.2	10.5/15.8	2644
1999 FT ₃₃	2000 07 20.2	19 58.94 -11 40.1 18.2	-0.93 - 0.8	3.0/21.4	35432	1999 YC ₂₃	2000 07 21.3	20 03.92 -22 42.9 17.4	-0.83 - 2.9	0.9/20.9	2572
1996 TN ₁₈	2000 07 20.2	19 58.98 -24 44.7 18.3	-0.97 - 2.7	1.4/19.4	35074	1997 YD ₃₃	2000 07 21.3	20 03.93 -26 05.7 17.4	-1.14 - 2.4	2.4/20.4	34611
1997 YV ₁₆	2000 07 20.2	19 59.13 -13 43.4 18.0	-0.95 - 4.5	2.5/21.4	35735	1999 YE ₈₃	2000 07 21.3	20 04.01 +08 55.7 17.0	-0.72 - 3.8	8.0/28.0	2648
1999 CW ₇₇ (10766)	2000 07 20.2	19 59.36 -11 25.9 16.8	-0.87 - 7.9	3.4/22.3	2623	1998 YF ₁₀	2000 07 21.3	20 04.06 -19 44.1 18.1	-1.00 - 6.6	0.3/21.5	35727
(15686)	2000 07 20.2	19 59.54 -17 49.5 18.2	-1.01 - 3.2	1.0/20.7	39188	1997 YG	2000 07 21.3	20 04.15 -10 18.9 17.4	-0.88 - 6.2	4.9/23.5	2629
1999 GJ ₂₆	2000 07 20.2	19 59.56 -20 01.8 17.6	-0.87 - 4.6	0.2/20.3	2032	1999 YH ₁₉	2000 07 21.3	20 04.27 -27 05.9 17.1	-0.86 - 6.2	2.3/19.9	2646
1999 CU ₅	2000 07 20.2	19 59.58 -19 30.6 18.9	-0.77 - 2.1	0.3/20.4	34866	1998 YJ ₂₅	2000 07 21.3	20 04.28 -26 30.9 18.8	-0.85 - 5.2	1.9/20.1	34897
1999 AB ₂₃	2000 07 20.2	19 59.65 -22 34.9 18.2	-1.02 - 1.9	0.8/19.9	1930	1997 YA ₉	2000 07 21.4	20 04.29 -20 47.7 17.4	-0.87 - 3.0	0.1/21.3	1707
	2000 07 20.2	19 59.75 -07 06.4 17.2	-0.97 - 2.9	5.3/22.6	2643	1999 YB ₂₆	2000 07 21.4	20 04.31 -36 09.1 15.8	-1.07 - 4.7	6.0/18.2	2629
	2000 07 20.2	19 59.79 -42 02.3 16.9	-1.00 - 2.5	6.4/16.1	34761	1981 YC ₄₅	2000 07 21.4	20 04.35 -19 32.8 18.0	-1.01 - 5.6	0.3/21.6	33990
	2000 07 20.2	19 59.81 -17 17.0 18.2	-0.92 - 1.7	1.3/20.8	1675	1997 YD ₁	2000 07 21.4	20 04.59 -03 32.5 20.8	-0.71 - 2.6	4.1/24.7	32214
	2000 07 20.2	19 59.81 -19 04.5 18.0	-0.87 - 3.4	0.5/20.5	2039	1999 YE ₁₄	2000 07 21.5	20 04.70 -01 59.4 16.0	-0.98 + 4.0	8.9/23.1	2630
	2000 07 20.2	19 59.81 -09 59.9 17.3	-0.89 - 7.4	3.7/22.7	2641	1997 YF ₄₅	2000 07 21.5	20 04.67 -23 08.2 18.5	-1.03 - 3.0	1.0/21.0	35445
	2000 07 20.2	19 59.90 -24 58.3 17.6	-0.91 - 9.0	1.7/19.2	2000	1999 YG ₁₀₄	2000 07 21.5	20 04.85 -06 57.2 17.1	-0.85 0.0	7.5/23.5	2630
								20 04.91 -08 09.9 18.4	-0.82 - 5.5	4.0/24.2	35380

1981 EF ₂₂	2000 07 21.5	20 05.04	-16 10.1	20.2	-1.00	- 3.3	1.5/22.3	26919	(10783)	2000 07 22.6	20 09.43	-17 31.3	17.8	-0.86	- 3.0	0.9/23.2	34766
1993 OH ₆	2000 07 21.5	20 05.09	-19 53.0	17.5	-1.02	- 5.6	0.2/21.7	24110	1994 WW ₇	2000 07 22.7	20 09.43	-12 57.1	18.3	-0.98	- 5.5	3.0/24.2	34012
1997 UP ₄	2000 07 21.6	20 05.07	-17 12.3	17.4	-1.03	- 4.6	1.5/22.0	2629	(10840)	2000 07 22.7	20 09.43	-28 09.3	16.4	-0.85	- 5.8	2.6/20.9	2611
1998 BJ ₈	2000 07 21.6	20 05.11	-18 02.1	19.2	-0.80	- 4.4	0.7/22.1	39188	1997 TF ₉	2000 07 22.7	20 09.44	-17 19.7	19.6	-0.98	- 2.6	1.0/23.2	30882
1997 VJ ₆	2000 07 21.6	20 05.11	-26 49.1	18.0	-1.01	- 2.3	2.3/20.5	35432	1998 YH	2000 07 22.7	20 09.45	-20 43.0	17.9	-0.98	- 1.7	0.2/22.6	2639
1998 FD	2000 07 21.6	20 05.16	-22 01.4	18.7	-0.82	- 2.1	0.5/21.3	32256	1996 GR	2000 07 22.7	20 09.47	-21 55.2	17.8	-1.06	- 4.3	0.7/22.4	2622
(10806)	2000 07 21.6	20 05.20	-23 30.0	17.7	-0.80	- 3.7	0.9/21.0	2611	1998 BX ₂₅	2000 07 22.7	20 09.84	-18 13.7	17.4	-0.92	+ 0.4	0.6/23.1	2631
(11432)	2000 07 21.6	20 05.48	-21 22.5	17.7	-0.83	- 2.3	0.4/21.5	35599	1999 CW ₄₀	2000 07 22.7	20 09.88	-38 42.8	18.7	-1.14	- 1.7	7.0/19.7	34243
1999 CX ₁₁₄	2000 07 21.7	20 05.51	-11 42.4	19.2	-1.05	- 3.4	3.6/23.2	35734	(10886)	2000 07 22.8	20 09.81	-14 44.9	16.9	-0.80	- 1.0	1.7/23.7	34793
2000 LM ₂₀	2000 07 21.7	20 05.54	-05 26.1	17.0	-0.92	- 0.6	5.3/24.1	2563	1998 DH ₁₀	2000 07 22.8	20 09.84	-07 39.4	17.3	-0.77	- 3.9	4.2/25.3	35435
(9743)	2000 07 21.7	20 05.54	-23 18.2	16.1	-0.99	- 5.4	1.3/21.1	33197	1136 T-3	2000 07 22.8	20 10.05	-15 09.2	17.1	-1.07	- 0.9	2.3/23.6	2592
1999 FA ₇	2000 07 21.7	20 05.56	-22 32.5	18.5	-0.83	- 2.5	0.7/21.3	2644	1992 RY ₄	2000 07 22.9	20 10.50	-21 28.8	17.4	-0.92	- 2.0	0.7/22.7	2616
1999 AU	2000 07 21.7	20 05.66	-25 30.0	15.5	-1.23	+ 4.6	2.4/21.3	1998	1999 GR ₅	2000 07 23.0	20 10.61	-07 47.5	18.8	-0.81	- 1.5	3.9/25.2	35091
(15804)	2000 07 21.8	20 05.85	-20 43.3	16.9	-0.89	- 4.8	0.2/21.7	1706	1981 ES ₂₁	2000 07 23.0	20 10.65	-36 41.3	18.2	-1.10	- 0.8	5.3/20.2	34573
(12116)	2000 07 21.8	20 06.03	-12 01.2	17.7	-0.79	- 0.8	2.5/23.2	36305	1994 AK ₁	2000 07 23.0	20 10.76	-12 33.6	16.4	-1.74	+12.1	3.7/23.1	2618
1997 UN ₂₄	2000 07 21.8	20 06.05	-13 31.2	18.9	-1.04	- 1.8	2.5/22.9	2629	1999 AA ₂₃	2000 07 23.0	20 10.85	-30 23.5	18.3	-1.12	- 3.8	3.9/21.1	2640
(15735)	2000 07 21.8	20 06.14	-26 31.8	17.6	-0.82	- 5.3	2.0/20.5	1688	(15951)	2000 07 23.0	20 11.03	-28 39.2	16.1	-0.85	- 8.6	3.0/20.9	1746
1999 FH ₃	2000 07 21.8	20 06.15	-17 09.4	20.1	-0.93	- 3.2	1.1/22.4	35086	1997 TY ₁₁	2000 07 23.1	20 11.00	-18 22.9	16.1	-1.01	- 5.1	0.8/23.4	2628
(10831)	2000 07 21.8	20 06.16	-22 16.7	19.3	-0.95	- 2.7	0.6/21.5	34778	6570 P-L	2000 07 23.1	20 11.04	-16 30.1	18.5	-1.02	- 3.6	1.4/23.7	2802
(10646)	2000 07 21.8	20 06.20	-24 55.5	15.5	-1.07	- 0.9	2.3/21.2	34475	(10789)	2000 07 23.1	20 11.07	-17 32.4	17.3	-0.84	- 3.2	0.9/23.6	34767
1998 YU ₂	2000 07 21.9	20 06.23	-25 05.7	18.1	-1.10	0.0	2.1/21.2	34313	(16004)	2000 07 23.1	20 11.12	-15 47.3	15.8	-0.89	- 6.5	2.2/24.1	1761
1997 YV ₂	2000 07 21.9	20 06.23	-21 02.7	17.9	-0.81	- 2.9	0.2/21.8	2630	1991 KE	2000 07 23.1	20 11.46	-18 10.0	16.8	-0.96	-18.3	0.7/23.8	2615
(11029)	2000 07 21.9	20 06.40	-29 27.4	16.4	-0.88	- 2.4	3.3/20.3	35219	1999 EG	2000 07 23.2	20 11.45	-19 19.7	18.8	-1.01	- 2.5	0.3/23.3	2644
2000 LC ₁₂	2000 07 21.9	20 06.40	-11 27.5	16.4	-0.98	-22.9	4.4/25.0	2794	1997 WP ₂	2000 07 23.2	20 11.50	-30 41.8	17.0	-0.98	- 5.5	3.6/20.9	2629
1996 VA ₂₇	2000 07 21.9	20 06.45	-19 23.1	20.1	-0.80	- 2.7	0.3/22.1	34585	2000 MH ₁	2000 07 23.2	20 11.57	-10 53.8	15.7	-1.66	+21.3	4.9/22.5	2572
(15708)	2000 07 21.9	20 06.70	-29 11.2	16.3	-0.98	- 0.3	4.5/20.6	1681	1997 SS ₁₀	2000 07 23.2	20 11.82	-14 23.1	18.6	-1.00	- 3.9	2.2/24.3	2628
1998 BJ ₄	2000 07 22.0	20 06.77	-24 30.9	18.2	-0.96	- 0.7	1.3/21.4	31592	1997 WT ₄₄	2000 07 23.3	20 11.89	-18 06.5	18.2	-0.86	- 2.7	0.6/23.7	2630
1995 SY ₂₉	2000 07 22.0	20 06.87	-19 30.9	16.4	-0.81	- 2.2	0.3/22.2	35068	1998 AJ ₃	2000 07 23.3	20 12.10	-24 07.5	18.4	-0.89	- 3.4	1.4/22.6	35310
1999 CQ ₅₁	2000 07 22.1	20 07.05	-37 56.9	17.2	-1.16	+ 1.0	6.6/19.8	1441	1999 GX ₄	2000 07 23.3	20 12.10	-17 45.1	19.5	-0.93	- 3.6	0.7/23.8	2036
1990 SQ ₅	2000 07 22.1	20 07.29	-19 08.1	17.7	-1.02	- 4.8	0.4/22.4	2614	2000 LT ₂₀	2000 07 23.4	20 12.42	+00 37.3	16.9	-1.29	+ 6.7	9.6/24.7	2563
1999 JK ₆₅	2000 07 22.1	20 07.39	-35 31.9	19.3	-1.10	- 4.2	5.1/19.1	35373	1999 JK ₇₉	2000 07 23.4	20 12.43	-30 04.2	17.1	-0.85	- 4.5	3.1/21.3	2051
(11002)	2000 07 22.1	20 07.47	-20 16.2	17.2	-0.81	- 5.4	0.0/22.2	35212	1996 HS ₂₂	2000 07 23.4	20 12.45	-21 54.8	19.3	-1.07	- 3.7	0.8/23.1	35696
1997 TW ₁₈	2000 07 22.2	20 07.46	-23 24.7	18.3	-1.03	- 4.0	1.2/21.6	34297	1995 OG	2000 07 23.4	20 12.49	-23 29.2	18.2	-0.95	+ 0.6	1.3/22.9	31420
(10924)	2000 07 22.2	20 07.48	-16 13.6	17.1	-0.79	- 5.2	1.2/23.1	2611	(16061)	2000 07 23.4	20 12.64	-20 35.3	17.5	-0.81	- 4.2	0.2/23.4	1776
1997 WR ₁₁	2000 07 22.2	20 07.66	-13 00.9	18.7	-0.93	- 2.6	2.6/23.5	2629	1981 EA ₃₉	2000 07 23.5	20 12.60	-20 30.3	18.3	-1.01	- 2.1	0.3/23.4	2612
4609 P-L	2000 07 22.2	20 07.80	-28 01.3	17.8	-0.96	- 2.6	3.1/20.9	2582	1997 YK ₇	2000 07 23.5	20 12.63	-31 47.8	18.3	-0.99	- 6.0	3.9/20.8	34886
1999 FJ ₂₇	2000 07 22.2	20 07.91	-26 28.7	17.4	-1.08	- 5.4	2.7/21.0	2645	(11222)	2000 07 23.5	20 12.90	-04 25.6	17.3	-0.79	- 2.2	5.4/26.5	2611
(15790)	2000 07 22.3	20 07.9	-73 06.1	15.7	-1.67	+ 1.3	28.1/07.0	1702	1981 EM ₂₅	2000 07 23.5	20 12.91	-15 21.4	19.4	-0.99	- 4.1	1.8/24.4	2612
(10620)	2000 07 22.4	20 08.27	-26 19.8	16.3	-0.98	- 6.3	2.8/21.1	34468	(15999)	2000 07 23.6	20 13.06	-14 01.2	17.2	-1.04	- 2.7	2.6/24.7	1760
1999 JO ₇₃	2000 07 22.4	20 08.27	-31 33.0	18.5	-0.84	- 4.0	3.2/20.1	36543	1999 FN ₂₇	2000 07 23.6	20 13.17	-14 02.9	17.9	-0.86	- 4.3	2.0/24.8	2030
1999 EK ₃	2000 07 22.4	20 08.29	-05 13.0	18.1	-0.86	- 4.9	4.9/25.6	2644	(15899)	2000 07 23.6	20 13.32	-23 48.0	17.0	-1.04	- 4.2	1.9/22.9	1732
4853 P-L	2000 07 22.4	20 08.62	-13 54.8	18.1	-0.91	- 5.0	3.2/23.8	2583	1999 BA ₁₃	2000 07 23.6	20 13.43	-17 40.9	18.2	-1.02	- 2.6	0.9/24.1	2641
4197 T-2	2000 07 22.4	20 08.67	-25 05.2	18.2	-1.10	- 4.1	2.1/21.6	2804	2000 MG ₁	2000 07 23.6	20 13.45	-31 01.2	17.0	-1.12	-17.0	4.4/20.3	2571
(10035)	2000 07 22.5	20 08.71	-14 31.0	18.3	-1.02	- 4.6	2.2/23.6	33866	(10685)	2000 07 23.6	20 13.46	-37 55.6	16.4	-1.19	- 4.9	7.7/19.5	34740
(10814)	2000 07 22.5	20 09.06	-37 02.1	16.4	-0.94	- 2.5	5.6/19.3	34774	(15835)	2000 07 23.7	20 13.38	-15 46.4	16.6	-0.89	- 3.4	1.8/24.5	1714
1997 WB ₁₃	2000 07 22.6	20 09.12	-23 08.2	18.1	-0.97	- 3.0	1.1/22.1	34299	1998 DO	2000 07 23.7	20 13.67	-07 12.7	18.1	-0.82	- 5.6	4.3/26.6	32059
2000 NW ₄	2000 07 22.6	20 09.24	-22 30.2	15.9	-0.87	-12.1	1.1/22.0	2575	1999 EV ₄	2000 07 23.7	20 13.71	-02 38.6	17.5	-0.82	- 5.0	6.4/27.7	2025
2000 NM ₂	2000 07 22.6	20 09.28	-17 20.8	16.0	-0.84	- 3.1	1.4/23.2	2574	1999 GD ₅	2000 07 23.8	20 14.00	-17 31.0	18.7	-0.92	- 4.9	0.8/24.3	2036
1996 SC ₆	2000 07 22.6	20 09.29	-11 28.0	17.1	-0.84	- 3.6	3.2/24.4	2624	(10298)	2000 07 23.8	20 14.05	-19 57.1	17.3	-0.93	- 4.1	0.0/23.8	34135
1999 AX ₅	2000 07 22.6	20 09.34	-26 38.5	18.5	-1.12	- 4.9	2.8/21.4	34314	1993 FR ₁	2000 07 23.8	20 14.14	-26 31.8	16.1	-0.83	- 3.9	2.3/22.5	2617
1997 AU ₃	2000 07 22.6	20 09.34	-30 33.9	17.0	-1.01	+ 0.3	3.9/21.1	2625	(10075)	2000 07 23.8	20 14.16	-13 31.7	17.1	-1.02	- 4.0	2.5/25.1	2611

1998 XN ₁₀	2000 07 23.9	20 14.36	-19 14.0	18.4	-1.02	- 4.4	0.2/24.1	35727	1992 SF ₁₇	2000 07 24.8	20 18.04	-14 56.9	18.8	-0.94	- 3.2	1.8/25.7	2616
1999 FL ₄₆	2000 07 23.9	20 14.38	-19 11.7	18.8	-1.00	- 3.8	0.2/24.1	34561	1993 FC ₃₀	2000 07 24.8	20 18.08	+00 27.8	19.2	-0.73	- 3.1	5.6/29.3	34845
(15793)	2000 07 23.9	20 14.43	-28 12.9	17.0	-0.96	- 3.6	4.1/22.3	1703	2384 T-3	2000 07 24.8	20 18.20	-12 21.5	18.4	-1.04	- 2.3	3.4/26.1	2594
1996 TZ ₁₃	2000 07 23.9	20 14.45	-13 28.5	19.5	-0.86	- 2.6	2.1/25.1	1910	1997 SQ ₁₈	2000 07 24.8	20 18.21	-28 36.5	18.5	-1.16	- 2.0	3.5/23.4	34518
(15965)	2000 07 23.9	20 14.50	-28 55.1	17.2	-0.87	- 5.3	2.8/21.9	1750	1998 BN ₁₆	2000 07 24.9	20 18.46	-31 02.4	17.0	-0.80	- 4.9	3.1/22.3	2631
(15826)	2000 07 23.9	20 14.55	-21 39.3	17.4	-1.04	- 5.9	0.8/23.6	1712	(10595)	2000 07 24.9	20 18.55	-23 39.4	16.8	-0.87	- 3.4	1.4/24.2	34461
1981 EM ₄₀	2000 07 23.9	20 14.61	-19 11.5	17.9	-0.90	- 4.2	0.3/24.1	2612	4017 P-L	2000 07 24.9	20 18.57	-39 23.4	17.9	-1.20	- 0.5	7.8/21.3	31608
1998 BD ₂₇	2000 07 24.0	20 14.60	-19 26.6	18.3	-0.79	- 3.2	0.1/24.1	2631	1992 DE ₁₁	2000 07 25.0	20 18.73	-17 06.4	18.1	-0.92	- 5.2	1.2/25.6	2616
(10489)	2000 07 24.0	20 14.73	-37 22.1	16.4	-0.98	- 2.1	6.2/20.6	34434	1993 TD ₂₇	2000 07 25.0	20 18.76	-25 52.5	17.5	-0.90	- 4.2	3.3/23.7	2618
1996 HU ₂₄	2000 07 24.0	20 14.79	-31 40.4	17.8	-1.14	- 4.8	4.9/21.6	35069	1999 FD ₇	2000 07 25.0	20 18.77	-13 19.9	18.0	-0.88	- 3.5	2.4/26.3	2027
1997 UF ₅	2000 07 24.0	20 14.94	-30 25.5	16.7	-1.13	- 0.3	5.1/22.5	2629	2414 T-3	2000 07 25.0	20 18.78	-16 26.1	18.7	-0.87	- 1.9	1.3/25.6	2594
4133 P-L	2000 07 24.1	20 14.96	-30 10.8	18.2	-1.09	- 0.2	4.9/22.5	30914	1998 BV ₆	2000 07 25.0	20 18.78	-18 22.9	18.1	-0.77	- 5.7	0.4/25.3	2631
3166 T-1	2000 07 24.1	20 14.96	+04 37.7	18.0	-0.82	- 5.2	10.1/30.2	2802	1981 ED ₄₀	2000 07 25.0	20 18.94	-07 04.9	19.5	-0.72	- 3.4	3.2/27.7	32043
1997 YZ ₇	2000 07 24.1	20 15.07	-13 33.1	19.5	-1.01	+ 0.1	2.3/25.0	2630	1999 CC ₉	2000 07 25.0	20 18.97	+05 19.1	17.3	-0.79	- 2.7	11.4/30.7	2641
1994 EC ₆	2000 07 24.1	20 15.12	-25 24.4	17.8	-0.92	- 4.0	1.9/23.0	35690	1999 GW ₅	2000 07 25.0	20 19.01	-38 59.7	19.6	-0.95	- 4.2	5.5/20.8	35447
2655 P-L	2000 07 24.1	20 15.13	-39 36.0	19.6	-1.01	- 1.4	6.2/20.2	25969	1997 WM ₂₃	2000 07 25.2	20 19.36	-20 28.1	17.6	-0.87	- 4.1	0.3/25.0	2630
2070 T-2	2000 07 24.1	20 15.14	-46 33.7	18.1	-1.14	+ 0.7	8.4/19.8	34617	1999 FG ₃₆	2000 07 25.2	20 19.38	-09 43.4	18.6	-1.03	- 2.7	3.8/27.0	2032
(10790)	2000 07 24.1	20 15.32	-06 29.3	18.1	-0.78	- 1.6	3.8/26.6	34767	1999 BL ₄	2000 07 25.2	20 19.43	-16 51.9	18.8	-0.90	- 4.4	1.0/25.8	34316
1999 FW ₃₁	2000 07 24.1	20 15.35	-02 36.0	18.4	-0.85	- 2.7	5.3/27.6	2031	1998 XB ₁₁	2000 07 25.2	20 19.45	-20 45.1	19.3	-0.99	- 2.0	0.4/25.0	34032
1999 JK ₈₄	2000 07 24.1	20 15.40	-10 55.6	17.6	-0.73	- 5.8	2.5/26.3	35465	(10104)	2000 07 25.2	20 19.53	-20 54.2	18.0	-1.05	- 1.9	0.6/25.0	33882
1993 TC ₂₅	2000 07 24.1	20 15.42	-21 13.6	18.8	-1.00	- 4.4	0.5/23.9	35689	1993 FB ₂₃	2000 07 25.2	20 19.62	-10 30.6	17.8	-0.76	- 2.8	3.0/27.1	35065
1308 T-2	2000 07 24.2	20 15.49	-17 15.7	18.4	-0.87	- 3.8	0.9/24.7	2587	4321 P-L	2000 07 25.2	20 19.68	-00 57.5	17.9	-0.66	- 4.6	10.3/30.2	2801
1999 CD ₁₀	2000 07 24.2	20 15.58	-22 10.5	17.0	-0.88	- 6.2	0.8/23.7	35082	1999 GQ ₃₆	2000 07 25.3	20 20.02	+04 21.4	18.0	-0.87	- 2.8	8.2/30.5	2646
(10791)	2000 07 24.2	20 15.60	-08 47.4	17.1	-0.74	- 8.9	3.4/27.2	34768	(10820)	2000 07 25.3	20 20.10	-15 54.2	17.6	-0.99	- 5.6	1.4/26.2	34775
2000 LZ ₃₃	2000 07 24.2	20 15.84	-09 45.1	16.5	-0.95	- 0.7	4.9/25.9	2569	1999 JM ₉₁	2000 07 25.3	20 20.13	+01 33.9	17.1	-0.86	- 5.2	7.2/30.1	35466
1993 FY ₂₂	2000 07 24.3	20 16.02	-30 18.6	18.8	-0.90	- 1.5	3.1/22.4	31787	(10699)	2000 07 25.3	20 20.16	-15 50.9	18.6	-0.77	- 2.7	1.1/26.1	34744
1998 DV ₁₂	2000 07 24.3	20 16.07	-19 33.8	17.0	-0.94	- 9.6	0.1/24.4	2632	1999 GN ₆	2000 07 25.4	20 20.14	-19 18.5	17.9	-0.86	- 2.5	0.1/25.5	2037
1999 AJ ₃₄	2000 07 24.3	20 16.09	-14 36.0	18.5	-1.02	- 4.8	2.1/25.4	2001	1997 SV ₄	2000 07 25.4	20 20.19	-27 28.4	18.1	-1.15	- 1.1	3.3/24.1	35701
1999 AQ ₂₃	2000 07 24.3	20 16.09	-13 55.2	16.6	-0.86	- 9.6	2.3/25.9	2640	2000 NC ₁₁	2000 07 25.4	20 20.20	-16 42.5	17.6	-1.12	- 0.2	1.3/25.8	2577
(15995)	2000 07 24.3	20 16.25	-16 05.3	17.1	-1.04	- 2.8	1.6/25.1	1759	(15764)	2000 07 25.4	20 20.23	-06 01.5	17.1	-0.97	+ 0.8	5.2/27.0	1696
1998 EO ₈	2000 07 24.4	20 16.17	-08 36.2	17.9	-0.78	- 3.8	3.5/26.7	35436	(15685)	2000 07 25.4	20 20.27	-08 51.8	17.3	-0.94	- 1.4	5.1/27.3	1675
(15719)	2000 07 24.4	20 16.33	-22 41.5	17.2	-0.92	- 7.4	1.0/23.7	1684	1997 UC ₇	2000 07 25.4	20 20.35	-41 31.2	16.9	-1.08	- 4.9	9.1/20.4	2629
(15781)	2000 07 24.4	20 16.35	-19 00.0	17.0	-1.10	- 0.6	0.3/24.6	1700	1997 QC ₃	2000 07 25.5	20 20.68	-22 36.9	17.8	-1.08	- 3.2	1.5/25.0	1923
1978 UX ₄	2000 07 24.4	20 16.36	-30 59.8	17.4	-1.11	- 0.5	5.0/22.7	1858	1998 AL ₄	2000 07 25.5	20 20.73	-20 50.0	18.2	-0.86	- 2.6	0.4/25.3	35433
1999 BE ₂	2000 07 24.4	20 16.39	+02 14.5	17.9	-1.05	+ 1.1	7.4/27.8	1439	1998 BC ₄₂	2000 07 25.5	20 20.80	-20 53.6	18.2	-0.79	- 5.9	0.4/25.2	2631
(11035)	2000 07 24.4	20 16.49	-02 22.2	17.9	-0.86	- 1.8	5.7/27.7	35221	1998 AB ₁	2000 07 25.6	20 21.04	-20 27.3	18.0	-0.85	- 8.3	0.3/25.4	34889
1990 QK ₈	2000 07 24.4	20 16.59	-19 40.1	17.3	-0.83	- 3.5	0.0/24.5	2614	1999 FD ₄	2000 07 25.6	20 21.16	-18 04.2	17.3	-0.87	- 2.2	0.7/25.9	2026
1999 CV ₃₆	2000 07 24.4	20 16.60	-31 03.7	17.9	-1.11	- 1.6	5.0/22.6	2642	2000 LN ₁₀	2000 07 25.6	20 21.19	+05 36.1	16.6	-0.74	- 6.0	11.0/01.7	1378
1997 SV	2000 07 24.5	20 16.57	-32 56.3	17.0	-1.12	- 3.4	5.7/21.9	35072	1979 MV ₄	2000 07 25.6	20 21.22	-14 50.9	17.8	-1.04	- 2.2	2.1/26.5	30778
(10764)	2000 07 24.5	20 16.69	-26 09.1	16.8	-0.84	- 6.0	2.2/23.0	34761	1995 SV ₅₂	2000 07 25.6	20 21.28	-16 05.9	17.3	-0.78	- 4.5	1.1/26.4	2621
1995 SW ₄₈	2000 07 24.5	20 16.84	+28 36.8	18.1	-1.22	+ 8.1	24.3/27.6	1417	1988 XU ₂	2000 07 25.7	20 21.39	-30 06.0	17.6	-0.97	- 4.9	3.6/23.4	2613
1991 PE ₁₀	2000 07 24.5	20 16.98	-28 40.7	17.3	-1.03	- 0.3	3.4/23.1	2615	(10773)	2000 07 25.8	20 21.85	+11 21.0	18.6	-0.73	- 1.6	8.9/01.6	34763
1989 TQ ₁₅	2000 07 24.6	20 17.02	-15 08.0	16.5	-0.96	- 3.2	2.1/25.5	1867	1999 FC ₃₁	2000 07 25.8	20 21.98	-17 24.4	18.2	-0.85	- 4.4	0.7/26.3	2031
1999 AR ₂₁	2000 07 24.6	20 17.30	-19 40.4	17.9	-1.06	- 2.6	0.0/24.7	2640	1996 XJ ₂	2000 07 25.8	20 22.00	-37 59.0	19.8	-0.89	- 5.5	5.0/21.3	31391
1997 UF ₂₁	2000 07 24.7	20 17.34	-13 25.1	19.3	-1.03	- 3.7	2.7/25.9	1925	(11431)	2000 07 25.8	20 22.01	-28 19.8	18.5	-0.87	- 2.6	2.8/24.1	35599
(16036)	2000 07 24.7	20 17.41	-27 21.0	16.7	-0.93	- 5.2	2.9/23.0	1769	(15684)	2000 07 25.8	20 22.02	-16 59.2	17.8	-0.87	- 4.1	1.0/26.4	1675
1998 FP ₁₂₃	2000 07 24.7	20 17.69	-24 03.6	17.8	-0.89	- 2.3	1.4/23.9	36081	1994 WU ₂	2000 07 25.8	20 22.03	-28 57.1	16.8	-1.01	- 6.2	5.0/23.6	2620
1999 CS ₂₆	2000 07 24.7	20 17.76	-23 35.2	17.8	-1.02	- 4.3	1.6/24.0	2642	1997 YQ ₁	2000 07 25.8	20 22.03	-26 18.2	18.8	-1.05	- 3.0	2.4/24.6	35704
1996 BS ₈	2000 07 24.7	20 17.78	-29 06.2	17.3	-1.06	- 3.4	5.0/22.9	2622	1996 XY ₂₅	2000 07 25.8	20 22.04	-10 27.8	16.5	-0.81	- 9.8	3.8/28.3	2625
1999 FM ₂₉	2000 07 24.8	20 17.79	-20 56.1	17.8	-0.88	- 4.6	0.4/24.5	2645	1994 SE ₂	2000 07 25.8	20 22.11	-26 57.0	17.7	-1.16	- 4.0	3.3/24.4	2619
1997 PD ₅	2000 07 24.8	20 17.89	-20 08.0	17.2	-1.10	- 1.5	0.2/24.8	2627	(15878)	2000 07 25.9	20 22.17	-23 53.9	16.3	-0.79	- 7.0	1.6/24.8	1726

1999 CX ₇₃	2000 07 25.9	20 22.41	-11 37.9	20.0	-0.98	- 5.1	2.8/27.6	34605	1999 GX ₃₄	2000 07 27.0	20 26.45	-16 20.4	17.8	-0.85	- 3.0	1.0/27.6	2040
1978 SX ₄	2000 07 25.9	20 22.49	-00 18.7	17.3	-0.95	- 3.8	7.9/29.7	1403	1998 FF ₃₂	2000 07 27.0	20 26.46	-12 20.3	17.3	-0.74	- 2.4	2.1/28.4	2632
(11213)	2000 07 25.9	20 22.50	-05 54.4	17.1	-0.84	- 3.9	4.7/28.9	1403	1995 DX ₈	2000 07 27.0	20 26.64	-18 11.5	17.2	-0.99	- 4.7	0.4/27.3	2620
2000 NA ₁₀	2000 07 26.0	20 22.56	-24 08.1	17.3	-0.91	- 9.7	2.3/24.7	2576	1999 JO ₃₀	2000 07 27.0	20 26.70	-09 03.9	18.3	-0.83	- 1.2	3.2/29.0	34991
(15733)	2000 07 26.0	20 22.70	-17 14.3	17.5	-0.97	- 6.7	0.9/26.5	1687	2675 P-L	2000 07 27.0	20 26.70	-26 52.2	20.1	-0.98	- 2.6	2.9/25.5	33995
2000 NY ₆	2000 07 26.0	20 22.74	-12 35.6	18.0	-0.82	- 0.6	2.3/27.2	2576	1995 EM	2000 07 27.0	20 26.71	-30 28.5	18.1	-1.09	- 2.8	4.3/24.8	34583
2698 P-L	2000 07 26.1	20 22.92	-33 01.4	18.1	-1.18	- 0.8	6.4/23.8	36120	1997 WV ₄₄	2000 07 27.1	20 26.81	-09 45.4	18.0	-0.84	- 2.5	2.9/29.0	2630
2000 NH ₁₁	2000 07 26.1	20 23.08	-15 35.4	17.9	-0.92	- 0.8	1.3/26.8	2577	1993 FF ₄₉	2000 07 27.1	20 26.87	-27 48.5	18.8	-0.91	- 2.3	2.5/25.4	32050
1999 FQ ₁₈	2000 07 26.1	20 23.14	-31 58.0	18.8	-1.00	- 1.9	4.0/23.8	35087	1999 JZ ₂₇	2000 07 27.1	20 27.09	-22 38.3	17.1	-0.80	- 3.4	1.1/26.4	2647
1988 CD ₂	2000 07 26.1	20 23.18	-18 12.7	17.8	-1.03	- 4.3	0.5/26.4	2613	2000 LQ ₁₇	2000 07 27.1	20 27.09	-04 08.1	16.3	-1.02	+ 3.6	6.5/29.1	2561
(10630)	2000 07 26.2	20 23.28	-20 35.9	16.3	-0.88	- 2.5	0.5/26.0	34471	1999 CL ₁	2000 07 27.1	20 27.09	-27 56.1	19.4	-1.12	- 2.5	3.3/25.5	35082
1999 JQ ₃₉	2000 07 26.2	20 23.48	-35 57.4	17.6	-0.95	- 3.3	5.2/22.6	2048	1997 TN ₁₈	2000 07 27.1	20 27.22	-20 19.8	18.9	-0.99	- 4.4	0.4/26.9	35702
1999 CH ₇₃	2000 07 26.2	20 23.55	-12 06.6	17.3	-1.04	- 2.5	3.1/27.6	2015	1999 GG ₁₈	2000 07 27.2	20 27.32	-13 03.3	17.9	-0.89	- 4.8	2.2/28.6	2646
1999 JC ₁₉	2000 07 26.2	20 23.56	-27 13.9	16.8	-0.87	- 2.0	2.8/24.7	2647	1999 CE ₁₅₀	2000 07 27.2	20 27.45	-08 26.9	17.7	-0.83	- 6.6	4.2/29.9	2024
1999 HU	2000 07 26.2	20 23.56	-05 35.0	17.5	-0.77	- 3.0	4.3/29.2	2646	(10364)	2000 07 27.2	20 27.55	-19 00.2	16.7	-1.08	- 2.6	0.1/27.3	34151
1992 EU ₁₁	2000 07 26.2	20 23.58	-26 39.5	16.8	-1.11	+ 0.4	3.4/25.2	2616	1999 FO ₂₇	2000 07 27.3	20 27.77	+00 27.5	17.4	-0.82	- 5.8	7.1/01.2	1444
1988 CC ₄	2000 07 26.3	20 23.68	-08 58.5	18.1	-0.81	- 1.7	3.3/28.3	34828	1993 OH ₄	2000 07 27.3	20 27.82	-21 02.0	17.3	-1.02	- 3.9	0.9/27.0	34009
1990 TB ₂	2000 07 26.3	20 23.83	-33 28.8	18.7	-0.96	- 1.6	4.5/23.6	36328	6799 P-L	2000 07 27.3	20 27.86	-19 11.2	19.7	-0.97	- 4.2	0.0/20.3	36121
1988 VC ₁	2000 07 26.3	20 23.84	-07 53.5	18.3	-0.94	- 0.1	4.0/28.2	1406	1999 FU ₂₄	2000 07 27.3	20 27.90	-15 50.3	17.8	-0.81	- 3.6	1.1/28.1	2645
1997 VG ₂	2000 07 26.3	20 24.01	-17 39.8	18.4	-1.04	- 2.7	0.6/26.7	2629	1999 AN ₂₅	2000 07 27.3	20 28.15	-38 49.4	17.8	-1.80	+ 7.1	10.0/25.8	34600
1999 GM ₄	2000 07 26.3	20 24.05	-31 49.9	17.0	-0.99	- 2.6	5.1/23.9	35090	1999 JL ₄₄	2000 07 27.4	20 28.07	+01 19.8	17.3	-0.76	- 1.2	6.0/31.6	1445
1993 RK ₄	2000 07 26.3	20 24.05	-19 28.4	17.9	-1.01	- 2.7	0.1/26.4	2618	1999 AX ₂₄	2000 07 27.4	20 28.35	-17 41.8	18.8	-0.97	- 4.6	0.5/27.8	2640
1998 DS ₂₉	2000 07 26.3	20 24.06	-09 12.2	17.1	-0.75	- 4.6	3.2/28.7	35436	2000 NN ₆	2000 07 27.4	20 28.42	-13 47.3	18.7	-0.98	- 1.7	2.1/28.5	2575
1995 EM ₂	2000 07 26.3	20 24.10	-17 06.2	18.1	-1.00	- 3.6	1.0/26.8	1898	2072 T-1	2000 07 27.5	20 28.43	-18 14.6	19.0	-0.80	- 2.9	0.2/27.7	2802
1998 XK ₉₆	2000 07 26.4	20 24.14	-21 36.3	18.3	-1.06	- 3.5	0.9/26.0	34034	1993 GM ₁	2000 07 27.5	20 28.57	-13 07.8	18.1	-0.76	- 2.5	1.6/28.8	2617
1992 DO ₈	2000 07 26.4	20 24.32	-06 21.2	18.8	-0.72	- 4.0	3.8/29.4	32048	(15767)	2000 07 27.5	20 28.60	-16 06.3	17.2	-0.79	- 5.1	1.1/28.2	1697
1208 T-1	2000 07 26.4	20 24.51	-11 15.2	17.7	-0.99	- 3.1	3.5/28.0	34338	1996 UA ₁	2000 07 27.5	20 28.62	+04 20.8	18.0	-0.76	- 1.4	6.6/01.4	1420
1999 CQ ₁₀₄	2000 07 26.5	20 24.47	-16 00.0	18.9	-1.00	- 2.7	1.3/27.1	2020	1990 SA ₆	2000 07 27.5	20 28.75	-34 19.3	18.9	-0.87	- 2.3	3.7/24.3	32221
1978 RK	2000 07 26.5	20 24.59	-43 48.6	17.0	-1.11	- 0.1	7.8/21.7	1403	1999 AO ₄	2000 07 27.5	20 28.78	-21 56.3	16.4	-0.88	- 9.6	1.2/26.8	2640
1996 VL ₁₈	2000 07 26.5	20 24.70	-08 03.8	18.3	-0.75	- 4.9	3.8/29.2	35697	1993 VC ₅	2000 07 27.6	20 28.79	+03 24.5	18.2	-0.97	- 9.6	9.1/02.4	31419
2218 T-3	2000 07 26.5	20 24.85	-28 20.7	18.0	-1.18	- 2.5	3.7/24.9	34618	2000 LO ₁₀	2000 07 27.6	20 29.03	+03 27.2	17.5	-0.78	- 1.4	7.3/01.6	1378
(15939)	2000 07 26.6	20 24.89	-24 54.5	16.7	-0.81	- 6.3	1.8/25.2	1743	1999 GX ₃₆	2000 07 27.6	20 29.15	-17 03.6	18.8	-0.90	- 3.0	0.6/28.1	2041
1997 SF ₁₈	2000 07 26.6	20 24.98	-25 22.7	18.3	-1.04	- 3.7	2.5/25.4	1923	1996 TX ₉	2000 07 27.6	20 29.19	-12 45.3	18.3	-0.84	- 2.8	2.0/29.0	2624
(15758)	2000 07 26.6	20 25.07	-25 53.2	17.1	-1.10	- 2.0	2.6/25.5	1694	2000 MH ₃	2000 07 27.6	20 29.19	-07 19.3	17.2	-0.93	- 3.1	5.1/30.1	2572
1999 GF ₃₂	2000 07 26.6	20 25.10	-20 04.0	18.4	-0.95	- 3.9	0.3/26.5	34969	1993 FB ₃₄	2000 07 27.7	20 29.23	-18 05.5	18.5	-0.78	- 3.6	0.3/27.9	147
1990 EK	2000 07 26.7	20 25.53	-09 05.7	17.5	-0.94	- 4.1	3.5/28.8	2614	2316 T-3	2000 07 27.7	20 29.27	-33 52.6	19.2	-1.23	- 2.7	7.0/24.7	31023
4249 T-2	2000 07 26.7	20 25.58	-36 28.9	18.2	-1.16	- 1.9	8.4/23.4	36124	1998 CL ₁	2000 07 27.7	20 29.31	-16 33.4	19.9	-0.79	- 2.5	0.7/28.2	2631
2000 NK ₇	2000 07 26.7	20 25.65	-14 56.4	17.5	-0.94	- 6.4	2.0/27.8	2576	2289 T-1	2000 07 27.7	20 29.54	-32 56.8	17.7	-0.99	- 2.3	4.5/25.0	35479
1999 DP ₇	2000 07 26.8	20 25.62	-23 54.5	18.2	-1.02	- 4.1	1.7/25.8	35645	(10810)	2000 07 27.7	20 29.57	-22 51.0	17.2	-0.84	- 3.9	1.2/26.9	34773
1994 XL	2000 07 26.8	20 25.62	-24 06.5	18.3	-1.05	- 2.6	1.7/25.9	35426	1999 BP ₅	2000 07 27.7	20 29.62	-12 29.1	18.4	-0.97	- 4.5	2.4/29.2	36086
2000 MP	2000 07 26.8	20 25.63	-13 46.3	20.3	-0.91	- 2.6	1.7/27.9	2570	3068 T-3	2000 07 27.8	20 29.67	-12 20.7	19.1	-0.92	- 4.1	2.3/29.3	2595
1990 UE ₄	2000 07 26.8	20 25.68	-18 00.5	18.0	-0.77	- 4.1	0.4/27.0	2615	1998 BB ₄₇	2000 07 27.8	20 29.69	-24 32.7	17.1	-0.91	- 7.6	1.9/26.4	2631
(11150)	2000 07 26.8	20 25.84	-23 24.0	18.2	-1.00	- 3.8	1.5/26.0	35250	1993 FQ ₁₆	2000 07 27.8	20 29.78	-22 41.2	16.7	-1.04	- 6.2	1.8/27.0	2617
1992 BF ₂	2000 07 26.8	20 25.85	-13 14.6	17.4	-0.74	- 5.3	1.7/28.3	2616	1996 TE ₈	2000 07 27.8	20 29.97	-03 25.7	17.3	-0.80	- 6.7	6.4/31.8	2624
(10727)	2000 07 26.8	20 25.91	-20 49.4	16.7	-0.84	- 1.3	0.5/26.6	34751	(16021)	2000 07 27.8	20 30.03	-17 43.5	17.4	-1.07	- 1.2	0.5/28.1	1766
1999 JB ₇₆	2000 07 26.8	20 25.95	-21 34.3	17.9	-0.82	- 2.7	0.7/26.4	35376	1999 GO ₁₉	2000 07 27.8	20 30.03	-29 01.5	16.7	-0.96	- 2.8	3.7/25.8	2646
1998 FS ₁₂₀	2000 07 26.9	20 26.03	-05 24.1	18.8	-0.76	- 4.7	4.0/30.1	32261	1997 VC ₈	2000 07 27.9	20 30.00	-18 23.7	17.1	-0.99	- 2.2	0.2/28.0	1926
1997 TR ₂₃	2000 07 26.9	20 26.06	-07 39.0	18.7	-0.93	- 3.2	5.4/29.3	30884	(10434)	2000 07 27.9	20 30.17	-16 21.2	17.3	-1.00	- 3.7	1.0/28.5	2611
(16314)	2000 07 26.9	20 26.08	-13 38.9	18.6	-0.78	- 2.5	1.6/28.0	1848	2000 LP ₁₀	2000 07 27.9	20 30.18	+03 54.3	17.5	-0.86	- 3.3	8.4/02.3	2793
2000 LS ₃₄	2000 07 26.9	20 26.18	-02 42.8	15.8	-0.84	- 0.4	6.3/30.0	2569	1999 FD ₁₉	2000 07 27.9	20 30.29	-24 33.0	17.7	-1.12	- 2.4	2.3/26.9	34948
1997 YC ₈	2000 07 26.9	20 26.44	-07 40.3	17.8	-0.88	- 4.4	5.1/29.5	35615	1997 WQ ₉	2000 07 27.9	20 30.34	-15 55.0	18.4	-1.00	- 4.1	1.2/28.6	2629

(10294)	2000 07 27.9	20 30.38	-23 45.1	17.5	-1.05	- 5.4	1.8/26.9	34135	1990 QO ₄	2000 07 28.9	20 34.14	-30 45.8	17.0	-0.96	- 0.6	4.3/26.7	34576
1997 XM ₁₀	2000 07 28.0	20 30.53	-22 50.9	17.7	-1.06	- 3.4	1.6/27.3	34588	1997 QN	2000 07 28.9	20 34.28	-11 26.3	17.3	-1.03	- 1.7	3.2/30.3	1922
(15950)	2000 07 28.0	20 30.69	-26 41.9	16.7	-0.96	- 4.0	3.5/26.4	1745	1996 RK ₂₅	2000 07 29.0	20 34.26	+01 32.7	16.5	-0.77	- 8.0	8.3/03.9	2624
1986 EA ₅	2000 07 28.1	20 30.88	-19 27.3	18.3	-0.94	- 3.2	0.2/28.0	35679	(10491)	2000 07 29.0	20 34.26	-17 15.8	16.1	-0.94	- 7.3	0.7/29.4	34434
1999 GQ ₈	2000 07 28.1	20 30.90	-19 14.8	18.1	-0.93	- 4.5	0.1/28.1	2646	(15722)	2000 07 29.0	20 34.32	-05 39.4	16.8	-0.75	- 5.3	4.7/01.3	1684
1999 CZ ₁₁₇	2000 07 28.1	20 31.02	-16 46.7	17.5	-0.95	- 1.6	0.8/28.6	2021	1995 JR	2000 07 29.0	20 34.38	-29 54.5	18.6	-1.00	- 4.3	3.6/26.5	1417
1999 FN ₂₆	2000 07 28.1	20 31.09	-26 52.2	17.9	-0.95	- 2.6	2.9/26.6	2030	1999 JU ₉₂	2000 07 29.0	20 34.48	-14 58.0	18.2	-0.78	- 6.4	1.3/30.0	2053
1999 CK ₁₁₈	2000 07 28.2	20 31.34	-26 52.0	17.7	-1.09	+ 1.1	2.9/27.0	2643	1998 FU ₃₈	2000 07 29.0	20 34.49	-11 51.2	18.6	-0.76	- 3.4	1.9/30.6	35077
(16000)	2000 07 28.2	20 31.50	-15 48.0	17.2	-0.98	- 4.5	1.3/28.9	1760	1999 GK ₃₆	2000 07 29.0	20 34.51	-22 34.9	18.2	-1.03	- 3.3	1.4/28.3	35353
1988 RT ₁₁	2000 07 28.2	20 31.53	-21 03.4	18.6	-0.97	- 3.3	0.8/27.8	2613	1996 TT ₅₄	2000 07 29.0	20 34.62	-01 39.2	17.0	-0.82	-10.8	6.2/03.2	1911
(10525)	2000 07 28.2	20 31.55	-28 36.6	15.8	-1.01	- 6.4	4.8/25.9	2611	1999 GW ₃₄	2000 07 29.0	20 34.67	-17 46.4	17.9	-0.98	- 3.2	0.3/29.3	35352
1999 AX ₂₁	2000 07 28.2	20 31.56	-15 00.8	16.6	-1.04	- 1.5	1.7/29.0	2640	1999 JB ₂₅	2000 07 29.1	20 34.99	-39 44.0	17.1	-1.14	- 2.2	7.2/24.6	35454
1998 WC ₂₄	2000 07 28.2	20 31.60	-35 39.3	16.3	-1.18	+ 1.2	6.6/25.8	35442	(10279)	2000 07 29.2	20 35.18	-20 30.5	16.3	-0.90	- 1.7	1.0/28.9	34131
(10759)	2000 07 28.2	20 31.60	-34 26.4	16.6	-0.99	- 1.4	5.6/25.2	34760	(16323)	2000 07 29.2	20 35.27	-16 35.7	16.6	-0.86	- 2.0	0.9/29.7	1850
(15906)	2000 07 28.3	20 31.53	-15 37.3	17.5	-1.02	- 4.1	1.5/29.0	1734	1993 FU ₁₈	2000 07 29.2	20 35.29	-23 12.9	18.2	-0.79	- 4.0	1.3/28.2	34845
(10689)	2000 07 28.3	20 31.66	+11 44.1	18.4	-0.71	- 2.9	8.3/05.2	34741	1999 FQ ₂₅	2000 07 29.2	20 35.37	-22 45.0	17.9	-0.95	- 3.2	1.6/28.4	2029
1999 JU ₃₄	2000 07 28.3	20 31.99	-30 55.1	18.9	-1.00	- 3.2	3.9/25.8	36006	1992 AU ₁	2000 07 29.2	20 35.41	-41 59.8	18.2	-1.25	- 8.4	7.8/23.0	35063
(15922)	2000 07 28.4	20 31.96	-14 18.4	17.4	-0.96	- 4.9	2.2/29.4	1738	2000 NT ₂₄	2000 07 29.2	20 35.43	-16 41.5	17.8	-0.83	- 5.5	1.0/29.8	2578
1269 T-1	2000 07 28.4	20 32.07	-28 55.0	19.4	-0.98	- 1.5	3.2/26.5	31161	(10708)	2000 07 29.2	20 35.44	-20 47.8	16.3	-0.85	- 4.1	0.7/28.8	34746
2760 P-L	2000 07 28.4	20 32.09	-19 14.9	17.7	-0.84	- 3.3	0.1/28.4	35479	(10183)	2000 07 29.2	20 35.47	-19 02.0	17.9	-1.06	- 4.0	0.2/29.2	33901
(11151)	2000 07 28.4	20 32.16	-06 44.4	16.2	-0.96	+ 0.1	4.3/30.5	35250	1996 HJ ₁	2000 07 29.3	20 35.48	-22 18.4	17.3	-0.86	- 3.2	1.9/28.5	2623
1983 QV	2000 07 28.4	20 32.29	-11 17.8	17.6	-0.75	- 4.3	2.6/30.2	38432	1995 QL ₅	2000 07 29.3	20 35.50	-13 15.9	19.9	-0.86	- 0.7	1.7/30.3	2621
1999 CE ₁₄₉	2000 07 28.4	20 32.29	-16 37.7	18.1	-0.90	- 3.6	0.9/28.9	2023	1993 FA ₂₀	2000 07 29.3	20 35.69	-34 00.7	17.3	-0.92	- 4.1	5.0/25.6	35423
1998 FA ₅₃	2000 07 28.5	20 32.34	-25 27.6	18.5	-0.82	- 2.2	1.8/27.1	35077	(10812)	2000 07 29.4	20 35.91	-16 22.6	17.7	-0.81	- 2.7	0.7/29.9	34773
1996 GF ₁	2000 07 28.5	20 32.47	-19 31.2	17.1	-1.04	- 5.2	0.3/28.4	2622	1981 EY ₃	2000 07 29.4	20 35.94	-07 33.3	19.1	-0.74	- 2.3	2.9/31.8	2612
(10536)	2000 07 28.5	20 32.49	-20 24.7	16.4	-0.88	- 2.8	0.6/28.2	34446	4075 T-1	2000 07 29.4	20 36.06	-13 36.5	18.7	-0.76	- 4.3	1.5/30.6	2803
2211 P-L	2000 07 28.5	20 32.54	-21 00.7	17.9	-1.00	0.0	1.1/28.2	2801	(15711)	2000 07 29.4	20 36.29	-15 24.5	17.5	-1.00	- 2.9	1.5/30.1	1682
1997 WF ₂₂	2000 07 28.5	20 32.60	-23 31.0	18.7	-1.03	- 3.8	1.7/27.6	35614	(11419)	2000 07 29.5	20 36.22	-33 34.0	17.6	-0.90	- 4.1	4.5/25.9	35596
1998 BV ₃₃	2000 07 28.6	20 32.92	-27 05.4	17.5	-0.82	- 3.3	2.5/26.8	2631	1996 NU ₄	2000 07 29.6	20 36.66	-19 42.2	16.8	-1.02	+ 0.3	0.5/29.4	2623
(15972)	2000 07 28.6	20 32.95	-14 25.3	18.0	-0.80	- 2.6	1.3/29.6	1752	1998 WW ₂₃	2000 07 29.6	20 36.70	-31 45.4	16.8	-0.94	- 6.3	4.3/26.4	38537
1990 UN ₅	2000 07 28.6	20 33.02	-22 34.7	19.1	-0.85	- 4.9	1.2/27.8	34577	(10736)	2000 07 29.6	20 36.78	-10 17.3	18.1	-0.84	- 1.1	2.7/31.3	34754
1999 GO ₂₉	2000 07 28.6	20 33.06	-21 55.7	17.8	-0.81	- 3.2	1.1/28.0	2646	1999 GG ₆	2000 07 29.6	20 36.78	-08 43.9	18.6	-0.81	- 5.1	3.2/01.0	2646
1999 JK ₈₉	2000 07 28.6	20 33.07	-07 36.1	17.4	-0.75	- 4.5	3.7/31.3	2648	1993 QU ₉	2000 07 29.6	20 36.84	-13 24.3	17.9	-0.83	- 8.7	2.5/31.1	1413
1999 CT ₅₄	2000 07 28.6	20 33.08	-26 51.5	17.0	-1.06	- 1.6	3.2/27.2	2642	1999 BW ₂	2000 07 29.6	20 36.84	-34 26.9	17.8	-1.25	+ 0.1	6.5/27.0	35642
(10676)	2000 07 28.7	20 33.09	-13 44.1	17.5	-1.02	- 4.3	2.0/29.8	34738	(9730)	2000 07 29.6	20 36.87	-20 39.8	17.1	-1.06	- 4.3	0.8/29.2	33194
1998 YL ₂	2000 07 28.7	20 33.17	-20 48.3	19.2	-1.01	- 4.4	0.8/28.3	35729	(11195)	2000 07 29.6	20 36.94	-17 14.4	17.1	-1.04	- 2.7	0.5/29.9	35262
1999 BT ₁₁	2000 07 28.7	20 33.32	-17 49.8	18.5	-1.00	- 4.4	0.4/29.0	2002	1981 EJ ₃	2000 07 29.6	20 36.99	-19 20.9	18.3	-1.00	- 0.4	0.3/29.5	2612
(16311)	2000 07 28.7	20 33.50	-06 36.1	17.6	-0.94	- 3.8	5.5/31.4	1847	1992 DA ₁₀	2000 07 29.6	20 37.01	-12 00.8	17.3	-0.79	- 2.4	2.3/31.1	2616
(15759)	2000 07 28.8	20 33.62	-07 28.4	16.8	-0.90	- 3.3	5.3/31.2	1694	(15743)	2000 07 29.7	20 37.01	-16 19.3	16.9	-0.87	- 4.3	0.8/30.2	1690
1999 FK	2000 07 28.8	20 33.79	-31 29.2	16.3	-1.02	- 5.4	5.9/25.8	35444	1999 FG ₁₉	2000 07 29.7	20 37.06	-17 09.9	18.1	-0.94	- 3.0	0.5/30.0	2644
1997 YQ ₇	2000 07 28.8	20 33.80	-28 36.7	17.0	-1.06	- 0.4	3.4/27.1	2630	1999 GE ₃₄	2000 07 29.7	20 37.26	-11 24.5	15.8	-0.91	- 1.2	3.5/31.1	2040
1999 JM ₂₁	2000 07 28.8	20 33.83	-20 51.4	17.7	-0.91	- 2.7	0.8/28.4	2647	1999 JW ₉₈	2000 07 29.7	20 37.30	-02 26.5	18.4	-0.72	- 4.2	4.5/02.7	2648
1976 UP ₁₈	2000 07 28.8	20 33.84	-08 37.2	18.5	-0.97	- 5.1	4.4/31.1	2612	1998 CE ₃	2000 07 29.7	20 37.47	-26 50.2	18.2	-0.94	- 1.0	2.7/28.2	32315
1999 HP ₅	2000 07 28.8	20 33.89	-01 44.0	17.6	-0.77	- 3.3	6.1/01.8	2647	6329 P-L	2000 07 29.8	20 37.50	-09 56.4	19.4	-0.76	- 3.1	2.8/31.7	34266
1999 JC ₅₂	2000 07 28.9	20 33.87	-26 51.0	19.1	-0.82	- 2.6	2.2/27.2	35004	1995 OY ₃	2000 07 29.8	20 37.50	-17 34.3	19.1	-0.79	- 3.5	0.4/30.0	2620
(10513)	2000 07 28.9	20 33.89	+06 48.2	16.4	-0.70	- 6.8	7.8/05.3	34440	2000 LF ₁₂	2000 07 29.8	20 37.69	+05 10.1	17.0	-0.97	- 0.3	10.1/03.8	2794
(10576)	2000 07 28.9	20 33.90	-27 57.9	17.3	-0.99	- 4.5	3.3/26.8	2611	2000 NZ ₁₀	2000 07 29.8	20 37.77	-20 29.1	16.4	-1.04	- 0.4	1.0/29.5	2577
4025 T-1	2000 07 28.9	20 33.94	-19 19.7	18.4	-0.94	- 4.8	0.2/28.8	2802	1998 FT ₁₃	2000 07 29.9	20 37.90	-34 34.8	17.4	-0.94	- 3.2	5.3/26.2	36528
1993 UO ₅	2000 07 28.9	20 33.96	-23 28.5	19.2	-0.94	- 4.7	1.4/27.9	35425	(15756)	2000 07 29.9	20 37.96	-12 25.4	15.5	-0.85	- 8.0	3.0/31.6	1694
(15858)	2000 07 28.9	20 34.02	-18 35.5	16.5	-0.91	- 5.4	0.1/29.0	1720	1997 VW ₄	2000 07 29.9	20 38.06	-40 40.8	17.5	-1.12	- 3.6	7.9/24.9	35432
1999 CM ₇₀	2000 07 28.9	20 34.12	-08 22.3	15.9	-0.88	- 3.2	4.6/31.2	2014	(15368)	2000 07 29.9	20 38.17	-05 32.5	16.9	-0.84	- 9.3	5.7/02.7	871

1999 BU ₆	2000 07 29.9	20 38.19	-40 49.0	19.9	-1.14	- 1.2	6.5/25.6	35443	1994 VO ₁	2000 07 30.9	20 42.06	-15 51.5	17.5	-1.07	- 3.7	1.1/31.5	2620
1177 T-1	2000 07 29.9	20 38.23	-15 53.3	17.7	-0.87	- 2.9	1.0/30.5	36051	(10566)	2000 07 30.9	20 42.10	-12 48.7	17.8	-0.92	- 1.1	1.7/01.0	34453
1994 GX	2000 07 29.9	20 38.24	+16 33.4	17.5	-0.88	-14.6	16.7/13.3	23785	1999 JD ₇₇	2000 07 31.0	20 42.11	-32 31.6	18.7	-0.98	- 5.7	4.6/27.4	35022
1999 CX ₈₁	2000 07 29.9	20 38.24	-17 39.5	17.7	-1.08	- 1.9	0.3/30.1	2017	1999 FZ ₄₅	2000 07 31.0	20 42.17	-19 04.3	17.7	-1.09	- 1.2	0.3/30.9	2034
1998 BQ ₄₁	2000 07 30.0	20 38.22	-11 10.5	17.8	-0.77	- 6.1	2.3/31.9	2631	2056 T-2	2000 07 31.0	20 42.31	-24 33.0	17.5	-1.10	- 1.8	2.9/29.8	2803
1996 HH ₂₀	2000 07 30.0	20 38.24	-20 33.0	18.6	-1.05	- 5.0	0.8/29.6	1907	1999 JT ₆₁	2000 07 31.0	20 42.35	-39 07.5	17.6	-1.08	- 5.3	6.4/25.5	35013
1995 BP ₂	2000 07 30.0	20 38.30	+08 58.5	19.3	-0.91	- 5.5	8.8/06.1	35068	(15921)	2000 07 31.0	20 42.54	-05 25.6	17.6	-0.92	- 2.6	6.1/02.9	1738
1999 BQ ₂₃	2000 07 30.0	20 38.38	-13 26.1	17.3	-1.07	- 1.7	2.2/31.0	2003	(11399)	2000 07 31.1	20 42.53	-26 04.2	16.2	-0.97	- 4.8	4.0/29.3	35590
2000 NB ₁₁	2000 07 30.0	20 38.47	-16 15.0	17.3	-0.77	- 3.2	0.9/30.6	2577	(15864)	2000 07 31.1	20 42.55	-17 48.5	17.3	-1.05	- 4.7	0.2/31.2	1722
(15798)	2000 07 30.0	20 38.51	-21 48.7	16.8	-1.01	- 3.7	1.5/29.4	1704	1994 JD ₇	2000 07 31.1	20 42.56	-15 52.2	18.8	-0.78	- 3.6	0.9/31.7	34854
1997 YR ₇	2000 07 30.1	20 38.76	-15 02.8	17.6	-1.08	+ 2.1	1.4/30.6	1929	1990 SP ₈	2000 07 31.1	20 42.60	-12 23.5	17.6	-0.75	- 5.6	1.8/01.6	2615
1999 JJ ₅₄	2000 07 30.1	20 38.81	-10 39.2	18.3	-0.76	- 2.6	2.2/31.9	2647	1999 JL ₇₀	2000 07 31.1	20 42.61	-14 56.9	19.0	-0.79	- 4.0	1.0/31.9	35652
4168 P-L	2000 07 30.1	20 38.85	-16 25.5	18.6	-0.89	- 2.8	0.7/30.6	2801	1997 UG ₂₂	2000 07 31.1	20 42.66	-30 18.7	18.1	-1.07	- 4.9	4.7/28.3	34587
(15747)	2000 07 30.1	20 38.96	-12 13.6	17.3	-0.84	- 3.6	2.2/31.6	1691	(16341)	2000 07 31.1	20 42.68	-13 21.1	17.2	-1.02	- 3.5	2.2/01.2	1855
1993 FX ₅₂	2000 07 30.1	20 39.03	-16 55.8	17.5	-1.02	- 6.8	0.7/30.6	2617	1999 GE ₄	2000 07 31.1	20 42.73	+01 16.3	18.5	-0.87	- 2.0	6.7/04.3	35090
1968 OF ₁	2000 07 30.2	20 39.18	-08 23.6	16.6	-0.90	+ 2.4	4.0/31.8	1857	(16056)	2000 07 31.1	20 42.73	+00 58.6	17.5	-0.90	- 1.0	6.6/04.1	1775
1999 CA ₅₂	2000 07 30.2	20 39.20	-27 57.2	17.9	-0.99	- 3.7	3.5/28.2	35643	(10399)	2000 07 31.1	20 42.76	-10 52.1	16.0	-0.93	- 3.6	3.2/01.8	1402
(16013)	2000 07 30.2	20 39.43	-22 32.0	17.4	-1.06	- 3.7	1.7/29.4	1764	1981 ES ₃₁	2000 07 31.1	20 42.77	-04 32.0	18.3	-0.70	- 5.5	4.1/03.8	1404
(15930)	2000 07 30.3	20 39.40	-21 47.1	16.8	-1.00	- 2.5	1.5/29.6	1740	1993 FN ₈	2000 07 31.2	20 42.87	-16 16.5	18.7	-0.76	- 4.5	0.6/31.7	35065
(10537)	2000 07 30.3	20 39.54	-28 51.0	16.8	-0.91	- 4.0	3.6/27.9	34446	5155 T-2	2000 07 31.2	20 43.01	-12 20.3	17.1	-1.04	- 2.6	2.3/01.4	2804
(15946)	2000 07 30.3	20 39.65	-21 56.7	17.7	-0.89	- 5.1	1.4/29.5	1744	1997 AD ₁₈	2000 07 31.2	20 43.02	-19 11.7	18.4	-0.76	- 3.6	0.3/31.0	2625
1999 JG ₁₈	2000 07 30.3	20 39.68	-31 21.6	18.5	-0.97	- 2.4	4.0/27.7	2045	(15725)	2000 07 31.2	20 43.05	-04 13.5	16.9	-0.77	- 3.4	5.3/03.6	1685
2000 NY ₁₀	2000 07 30.3	20 39.80	-21 49.0	17.5	-0.90	- 3.6	1.5/29.6	2576	1999 GO ₆	2000 07 31.2	20 43.15	-23 26.1	18.4	-0.94	- 2.9	1.7/30.1	35447
1999 CL ₃₇	2000 07 30.4	20 39.81	-20 59.4	18.0	-1.01	- 5.9	1.1/29.8	2642	5097 T-2	2000 07 31.2	20 43.22	-00 02.7	18.8	-0.82	- 2.5	5.5/04.3	589
1981 EC ₄₀	2000 07 30.4	20 39.91	-14 54.3	17.0	-1.03	+ 2.2	1.5/30.9	2612	(10538)	2000 07 31.3	20 43.25	-18 38.2	18.0	-1.11	- 4.3	0.2/31.2	34446
(14210)	2000 07 30.4	20 39.91	-30 41.0	16.6	-1.12	+ 1.5	4.8/28.5	39111	1996 TQ ₅	2000 07 31.3	20 43.49	-32 36.8	17.1	-1.13	+ 3.1	6.5/29.2	1910
1999 JE ₉₀	2000 07 30.4	20 40.08	-21 27.3	18.6	-0.79	- 5.9	1.0/29.7	2053	1997 TV ₂₂	2000 07 31.3	20 43.58	-28 22.5	19.6	-1.10	- 2.8	3.8/29.2	34587
1992 EN ₂₅	2000 07 30.4	20 40.10	-20 02.0	18.3	-0.79	- 3.3	0.6/30.1	24106	1998 FT ₄₂	2000 07 31.4	20 43.70	-29 18.2	18.6	-0.94	- 1.2	3.5/29.1	39190
1999 JV ₈	2000 07 30.4	20 40.14	-28 14.1	17.5	-0.84	- 5.6	3.2/28.0	2647	(10628)	2000 07 31.5	20 44.07	-14 52.6	16.9	-0.77	- 5.1	1.1/01.3	1402
2000 LG ₂₃	2000 07 30.4	20 40.18	-11 07.1	17.9	-1.01	+ 1.5	2.9/31.6	2564	1999 GQ ₃₁	2000 07 31.5	20 44.14	-15 33.1	18.7	-0.95	- 4.4	0.9/01.1	2646
1999 BQ ₁₃	2000 07 30.4	20 40.20	-22 31.1	17.4	-1.15	- 1.7	1.8/29.7	34601	1997 SG ₂	2000 07 31.5	20 44.19	-25 53.2	16.7	-1.18	+ 0.3	3.7/30.2	2628
(15902)	2000 07 30.5	20 40.14	-09 49.3	17.1	-0.95	- 5.7	3.8/01.5	1733	(16322)	2000 07 31.5	20 44.23	-16 17.7	17.8	-0.98	- 6.0	0.7/01.0	1850
1998 BX ₈	2000 07 30.5	20 40.14	-27 27.1	19.1	-0.92	- 0.9	2.8/28.7	32059	1997 WD ₅₂	2000 07 31.5	20 44.41	-51 31.7	18.8	-1.28	- 5.4	11.2/21.7	37675
1997 SE ₁₆	2000 07 30.5	20 40.49	-25 28.8	17.3	-1.07	- 2.7	3.1/29.2	2628	1988 DD ₂	2000 07 31.5	20 44.46	-16 08.4	17.5	-0.95	- 7.9	0.8/01.1	2613
1999 CG ₄₆	2000 07 30.5	20 40.59	-15 25.1	17.6	-0.99	- 6.5	1.2/31.3	2642	(15916)	2000 07 31.6	20 44.45	-20 49.7	17.1	-0.98	- 5.3	1.1/31.0	1736
2000 LZ ₂₀	2000 07 30.6	20 40.59	-07 28.7	16.7	-0.89	- 5.1	5.5/02.3	2563	2000 LX	2000 07 31.6	20 44.53	-07 17.5	18.2	-0.93	- 6.5	4.6/03.3	2554
1999 HL ₁₁	2000 07 30.6	20 40.62	-18 27.3	16.9	-0.79	- 2.9	0.0/30.6	2647	(16057)	2000 07 31.6	20 44.56	-02 46.7	16.9	-0.87	- 2.3	5.1/04.0	1775
1997 VQ ₅	2000 07 30.6	20 40.80	-24 15.1	18.4	-1.05	- 4.6	2.4/29.3	31149	(10176)	2000 07 31.6	20 44.62	-18 50.9	15.4	-0.81	- 9.3	0.4/31.4	1402
1999 GP ₁₁	2000 07 30.6	20 40.93	-25 29.0	17.6	-0.95	- 2.7	3.3/29.1	2646	1999 FM ₃₂	2000 07 31.6	20 44.64	-14 15.7	17.5	-0.91	- 7.3	1.7/01.6	2645
1999 FM ₆	2000 07 30.6	20 40.94	-15 51.4	17.1	-0.85	- 3.4	0.9/31.2	2026	(16046)	2000 07 31.7	20 44.82	+00 10.9	18.9	-0.77	- 2.5	5.4/05.0	1772
(16012)	2000 07 30.7	20 40.94	-18 54.2	17.1	-1.02	- 2.5	0.3/30.6	1763	1999 GS ₁₆	2000 07 31.7	20 44.82	-32 50.3	17.7	-1.01	- 1.7	5.4/28.7	34962
(10360)	2000 07 30.7	20 40.96	-14 53.2	15.4	-0.82	- 4.4	1.8/31.5	34150	(15947)	2000 07 31.7	20 44.88	-16 10.4	17.8	-0.92	- 5.7	0.7/32.0	1745
1998 BT ₁₄	2000 07 30.7	20 40.98	-13 19.6	16.8	-0.86	- 0.6	1.7/31.7	2631	1997 XZ ₁₀	2000 07 31.7	20 44.90	-16 53.8	18.6	-0.95	- 3.0	0.4/32.0	31424
1993 OY ₃	2000 07 30.8	20 41.34	-17 37.7	18.0	-1.01	- 5.2	0.3/31.0	2617	1999 JD ₈₂	2000 07 31.7	20 45.02	-23 52.8	16.8	-0.81	- 6.6	1.9/30.2	2648
1999 GQ ₅	2000 07 30.8	20 41.37	-23 53.1	17.5	-0.93	- 3.2	2.1/29.6	2646	1999 JP ₄₉	2000 07 31.8	20 45.34	-34 15.1	18.4	-0.91	- 4.1	4.9/27.8	2049
1990 TY	2000 07 30.8	20 41.50	+10 19.8	17.8	-0.92	- 6.3	9.8/07.4	38755	(15811)	2000 07 31.8	20 45.59	-02 01.2	16.3	-0.75	- 2.4	5.9/04.7	1707
(16029)	2000 07 30.8	20 41.51	-02 40.4	17.4	-0.71	- 4.9	4.2/03.9	1767	4251 T-3	2000 07 31.8	20 45.62	-23 05.3	18.7	-0.88	- 4.2	1.8/30.7	2806
2000 NT ₂	2000 07 30.8	20 41.65	-19 48.2	17.5	-0.90	- 5.3	0.7/30.5	2574	4207 T-3	2000 07 31.9	20 45.56	-17 14.6	18.7	-0.82	- 4.3	0.2/01.1	35481
1998 BZ ₉	2000 07 30.8	20 41.75	-16 02.1	19.2	-0.89	- 4.4	0.8/31.4	1931	2174 T-1	2000 07 31.9	20 45.59	-14 30.4	19.4	-1.01	- 4.7	1.3/01.7	35051
1999 BQ ₉	2000 07 30.9	20 41.94	-45 52.9	19.3	-1.27	- 4.6	8.5/24.3	35081	1990 QH ₈	2000 07 31.9	20 45.63	-19 04.5	17.8	-1.09	- 5.0	0.4/31.7	35682
(15940)	2000 07 30.9	20 41.96	-20 06.3	17.3	-0.86	- 2.9	0.7/30.6	1743	9542 P-L	2000 07 31.9	20 45.70	-22 23.0	17.9	-0.85	- 3.6	1.5/30.9	2802

1999 JE ₅₇	2000 07 31.9	20 45.71 -05 54.2	19.1 -0.76 - 3.8	3.4/03.9	35008	(11921)	2000 08 01.7	20 49.08 +05 12.5	16.7 -0.85 - 1.8	8.2/07.1	1403
2000 LS ₁₀	2000 07 31.9	20 45.73 +05 15.7	16.7 -0.65 - 5.6	11.4/07.7	2558	(10614)	2000 08 01.8	20 49.07 -30 53.8	17.2 -1.10 - 4.0	5.2/29.8	34466
1999 HS ₉	2000 07 31.9	20 45.85 -18 25.6	18.3 -0.99 - 3.4	8.5/12.0	35355	1997 YL ₇	2000 08 01.8	20 49.20 -32 24.7	17.5 -0.96 - 6.0	4.4/29.0	35433
(15944)	2000 07 31.9	20 45.91 -17 12.6	17.8 -0.77 - 3.6	0.2/01.2	1744	(10549)	2000 08 01.8	20 49.48 -32 28.0	16.7 -1.20 + 3.8	6.8/30.8	600
1995 AE ₁	2000 07 31.9	20 45.92 -12 17.7	16.8 -0.92 - 6.2	2.2/02.4	2620	1994 WB ₁₂	2000 08 01.8	20 49.51 -25 52.3	18.8 -1.06 - 4.7	3.2/31.0	1895
1978 VA ₅	2000 08 01.0	20 45.99 -20 39.0	17.2 -0.84 - 4.2	0.9/31.4	2612	1990 TS ₁	2000 08 01.9	20 49.47 -23 12.6	17.3 -0.90 - 2.0	1.8/31.7	2615
1999 JE ₁₀₆	2000 08 01.0	20 46.03 -02 53.8	17.8 -0.76 - 4.5	5.2/04.9	1446	1999 JV ₁₄	2000 08 01.9	20 49.52 -02 30.2	17.5 -0.76 - 4.2	5.1/05.7	2647
1981 EE ₁₈	2000 08 01.0	20 46.10 -23 09.0	19.6 -0.81 - 2.4	1.4/30.9	32042	(15772)	2000 08 01.9	20 49.63 -17 16.6	15.9 -0.76 - 4.1	0.2/02.1	1698
1999 FU ₂₉	2000 08 01.0	20 46.13 -16 49.7	18.3 -0.87 - 5.5	0.4/01.3	35445	1998 BF ₄₄	2000 08 01.9	20 49.71 -24 35.4	20.5 -0.86 - 4.8	1.9/31.3	31430
(15958)	2000 08 01.0	20 46.33 -07 53.2	18.6 -0.87 - 5.8	3.5/03.5	1748	1997 TV ₂₆	2000 08 01.9	20 49.76 -20 23.4	18.3 -0.98 - 4.1	0.9/01.4	34587
1999 GU ₃₅	2000 08 01.0	20 46.35 -08 37.1	17.0 -0.89 - 3.0	3.7/03.1	2040	(16333)	2000 08 01.9	20 49.81 -21 03.7	17.4 -0.88 - 4.1	1.1/01.2	1853
1999 LP ₇	2000 08 01.1	20 46.35 -14 39.9	18.5 -0.66 - 3.1	1.0/01.9	2058	1999 JJ ₇₂	2000 08 01.9	20 49.82 -34 44.6	17.1 -0.90 - 4.8	5.3/28.6	36543
1999 BF ₃	2000 08 01.1	20 46.43 -21 50.3	17.2 -0.97 - 6.9	1.4/31.1	2002	1999 FC ₇	2000 08 02.0	20 50.01 -42 55.6	17.1 -1.16 - 1.4	10.3/26.9	35734
1998 YJ ₂	2000 08 01.1	20 46.49 -18 38.7	17.8 -1.10 - 0.8	0.3/01.0	1996	1999 JB ₂₆	2000 08 02.0	20 50.01 -02 24.0	17.9 -0.76 - 3.3	5.2/05.8	2047
(10893)	2000 08 01.1	20 46.54 -11 15.5	17.7 -0.90 - 3.3	2.2/02.6	34795	1992 UU ₄	2000 08 02.0	20 50.16 +04 21.7	17.0 -0.89 - 1.3	8.0/06.7	1411
(10900)	2000 08 01.1	20 46.55 -13 04.8	17.6 -0.96 - 4.4	1.8/02.2	34797	1998 EE ₆	2000 08 02.0	20 50.23 -09 38.2	18.2 -0.87 - 2.9	2.6/03.9	35705
(10962)	2000 08 01.1	20 46.59 -06 27.2	17.6 -0.92 - 5.8	4.1/04.0	2611	(10555)	2000 08 02.1	20 50.32 -42 34.4	17.1 -0.97 - 2.2	7.2/27.1	34450
1999 GF ₆	2000 08 01.1	20 46.73 -15 32.5	17.2 -0.93 - 6.4	0.9/01.8	2037	1999 KQ	2000 08 02.1	20 50.37 -02 55.1	18.9 -0.80 - 5.1	4.6/05.9	35382
(10512)	2000 08 01.2	20 46.85 -11 31.7	15.8 -0.87 - 4.6	3.0/02.7	1402	1998 BD ₄	2000 08 02.1	20 50.41 -20 08.4	17.6 -1.08 + 0.6	0.9/01.7	2631
1997 YU ₁	2000 08 01.2	20 46.85 -01 58.7	16.6 -1.53 +17.7	9.0/31.5	1929	(10483)	2000 08 02.1	20 50.43 -14 44.8	16.0 -0.94 - 6.6	1.4/02.9	1402
2000 LZ ₂₆	2000 08 01.2	20 46.92 -06 32.6	16.5 -0.98 + 0.3	4.4/03.3	2565	4269 T-1	2000 08 02.1	20 50.46 -21 04.2	19.0 -0.79 - 3.5	1.0/01.3	35125
1998 BV ₂₄	2000 08 01.2	20 46.93 -25 57.5	16.7 -0.80 - 4.5	2.9/30.2	2631	(10757)	2000 08 02.1	20 50.52 -19 01.7	16.1 -0.99 - 6.0	0.6/01.8	2611
1999 GT ₅	2000 08 01.2	20 46.94 -18 11.3	17.8 -0.79 - 3.3	0.1/01.2	2036	2000 KD ₇₃	2000 08 02.1	20 50.54 -10 31.5	17.0 -0.81 - 5.9	3.0/04.1	2553
1998 BZ ₂₄	2000 08 01.2	20 47.02 -16 47.1	18.6 -0.77 - 3.6	0.3/01.5	2631	1997 UB ₁₅	2000 08 02.1	20 50.69 -20 23.2	17.6 -1.01 - 4.2	1.1/01.6	2629
(16043)	2000 08 01.3	20 47.20 -06 42.1	17.3 -0.98 - 4.5	4.4/03.9	1771	1999 BK ₁₄	2000 08 02.2	20 50.67 -25 58.6	17.8 -0.83 - 3.8	2.9/31.2	2641
1999 BK ₁₅	2000 08 01.3	20 47.21 -28 48.4	17.9 -1.08 - 0.1	3.9/30.4	34601	1998 FT ₁₂	2000 08 02.2	20 50.68 -24 06.3	17.9 -1.03 - 9.0	2.8/31.4	32754
1993 FW ₄₀	2000 08 01.3	20 47.26 -20 11.0	17.4 -0.78 - 3.7	0.8/31.8	2617	1999 JD ₇₉	2000 08 02.2	20 50.76 -04 13.2	18.0 -0.75 - 4.5	4.4/05.7	2051
(10981)	2000 08 01.3	20 47.27 -10 45.5	16.1 -0.88 - 0.2	3.2/02.7	2611	1999 FM ₁₉	2000 08 02.3	20 51.12 -16 40.7	17.4 -0.85 - 4.6	0.3/02.6	2027
1999 FW ₁	2000 08 01.3	20 47.34 -13 58.2	18.0 -0.93 - 4.6	1.6/02.3	2644	1991 RB ₁₃	2000 08 02.3	20 51.16 -25 48.8	17.0 -1.00 - 0.3	3.5/31.7	2615
1996 PK ₂	2000 08 01.3	20 47.40 -13 10.1	17.2 -0.80 -12.2	2.0/02.8	2623	1994 CL ₂	2000 08 02.3	20 51.39 -19 02.4	18.2 -0.90 - 4.9	0.5/02.0	35067
1995 SE ₃₂	2000 08 01.3	20 47.44 -14 26.1	17.7 -0.77 - 4.1	1.4/02.2	1900	1999 CX ₈₄	2000 08 02.4	20 51.71 -29 05.4	17.1 -1.03 - 6.4	4.5/30.6	35084
1998 XW ₉₆	2000 08 01.4	20 47.51 -16 59.4	15.9 -0.96 - 0.9	0.5/01.6	1996	1998 CR ₃	2000 08 02.4	20 51.74 -17 41.9	18.8 -0.77 - 3.2	0.0/02.5	31799
2000 LX ₃₅	2000 08 01.4	20 47.79 -17 07.6	16.6 -0.99 - 3.5	0.4/01.6	2570	1999 JE ₂₁	2000 08 02.4	20 51.75 -15 40.5	18.1 -1.00 - 3.7	0.7/02.9	2046
1999 AA ₈	2000 08 01.4	20 47.95 -28 43.1	18.5 -1.09 - 4.1	3.9/30.1	35442	1990 SP ₉	2000 08 02.4	20 51.79 -14 15.5	18.3 -0.98 - 6.9	1.4/03.3	1869
(10212)	2000 08 01.5	20 47.90 -13 16.0	16.4 -1.02 - 3.5	2.2/02.5	1402	2060 P-L	2000 08 02.5	20 52.07 -17 57.7	17.9 -1.08 - 2.6	0.2/02.5	2578
1999 CQ ₉	2000 08 01.5	20 47.95 -24 35.3	18.7 -0.95 - 5.6	2.3/30.9	39298	3078 T-1	2000 08 02.5	20 52.08 -10 47.0	18.1 -1.03 - 4.5	2.7/04.1	2802
(10933)	2000 08 01.5	20 48.09 -01 32.3	17.8 -0.83 - 5.1	5.1/05.6	34806	1998 WR ₁₉	2000 08 02.5	20 52.11 -13 31.2	17.0 -1.07 - 2.6	1.7/03.4	2638
1994 BK ₃	2000 08 01.5	20 48.15 -09 24.9	16.9 -0.95 - 0.2	3.5/03.1	982	1995 SM ₂₉	2000 08 02.6	20 52.16 -21 47.6	17.4 -0.81 - 3.5	1.3/01.6	35068
1988 FE	2000 08 01.5	20 48.19 -35 03.2	17.9 -1.13 - 3.6	6.5/28.8	35059	1996 RU ₃	2000 08 02.6	20 52.19 -20 40.8	19.1 -0.91 - 3.3	1.1/01.9	39173
1999 AM ₄	2000 08 01.5	20 48.28 -23 11.2	17.4 -1.09 - 5.8	2.3/31.3	35730	1999 CY ₇₃	2000 08 02.6	20 52.19 -12 22.8	19.7 -0.91 - 5.1	1.8/03.9	2643
1998 FQ ₆₀	2000 08 01.5	20 48.35 -18 45.6	18.4 -0.80 - 3.0	0.3/01.4	2633	2000 LW	2000 08 02.6	20 52.28 -10 03.8	17.4 -0.77 - 7.8	3.0/04.8	2792
1994 ED ₇	2000 08 01.6	20 48.34 -32 26.8	18.3 -1.00 - 2.3	4.9/29.4	34854	1993 FN ₁₂	2000 08 02.6	20 52.31 -26 27.9	17.1 -0.82 - 3.4	3.1/31.5	2617
2024 T-2	2000 08 01.6	20 48.44 -27 37.6	17.8 -0.99 - 1.7	3.3/30.6	1667	1982 JS ₂	2000 08 02.6	20 52.43 -09 27.6	17.9 -0.98 - 4.4	3.2/04.5	1862
1999 JD ₁₀₂	2000 08 01.6	20 48.50 -08 21.4	19.0 -0.77 - 4.4	3.2/04.0	1446	1995 CV	2000 08 02.6	20 52.43 -14 07.6	18.9 -0.52 - 3.0	0.7/03.6	31789
1998 BK ₁₀	2000 08 01.6	20 48.52 -31 17.4	16.3 -0.91 - 5.1	6.4/29.1	1426	1999 CY ₈₀	2000 08 02.6	20 52.49 +04 36.3	16.6 -0.84 - 5.5	8.6/09.0	2643
(10591)	2000 08 01.6	20 48.58 -22 33.6	17.4 -0.92 - 4.6	1.8/31.5	34460	1999 FJ ₃₄	2000 08 02.7	20 52.54 -18 12.3	17.3 -0.90 - 6.2	0.3/02.5	2645
1996 PH ₁	2000 08 01.6	20 48.58 -17 51.8	18.6 -0.91 - 5.0	0.0/01.7	34584	(16028)	2000 08 02.7	20 52.61 -00 12.1	15.9 -1.02 - 0.5	7.2/06.2	1767
1999 JZ ₂₅	2000 08 01.6	20 48.64 +01 17.8	17.8 -0.91 - 3.0	7.0/05.9	2647	1998 BA ₁	2000 08 02.7	20 52.70 -16 25.3	16.2 -0.74 - 8.7	0.4/03.1	2631
(10400)	2000 08 01.6	20 48.65 -34 38.6	15.6 -1.14 - 3.2	7.6/28.7	34160	1999 KX ₈	2000 08 02.7	20 52.82 -33 27.8	18.3 -0.92 - 3.5	5.2/29.8	38550
(9870)	2000 08 01.7	20 48.82 -24 14.3	16.6 -1.08 - 3.5	2.6/31.4	33462	(15937)	2000 08 02.7	20 52.91 -17 54.6	17.0 -0.97 - 5.5	0.2/02.7	1742
3355 T-2	2000 08 01.7	20 48.86 -09 25.8	18.3 -0.82 - 6.4	3.0/03.9	1667	1996 RO ₅	2000 08 02.7	20 52.99 -09 02.5	17.4 -0.81 - 9.4	3.4/05.3	2624

1981 ER ₃₈	2000 08 02.8	20 53.12	-02 30.5	19.3	-0.82	-	4.9	4.8/06.6	26922	1992 EQ ₂₆	2000 08 03.8	20 57.05	-16 04.2	18.4	-1.00	-	5.6	0.5/04.1	2616
1999 JL ₂₆	2000 08 02.8	20 53.14	-22 18.2	18.6	-0.88	-	4.1	1.5/01.7	35454	1997 XK ₁₃	2000 08 03.8	20 57.16	-06 55.9	16.5	-0.69	-	9.9	3.5/07.2	2630
1993 TY ₂₉	2000 08 02.8	20 53.27	-05 01.9	18.1	-0.90	-	5.4	4.5/06.0	34850	1996 QL	2000 08 03.8	20 57.24	-17 38.8	17.1	-0.95	-	2.3	0.1/03.8	2624
1993 FE ₇₈	2000 08 02.8	20 53.29	-15 29.7	17.5	-0.77	-	3.3	0.7/03.4	2617	(10387)	2000 08 03.9	20 57.18	-35 58.6	16.6	-1.12	+	1.2	8.1/31.3	34156
(10517)	2000 08 02.8	20 53.32	-25 03.4	17.7	-0.94	-	4.3	2.5/01.1	34441	1999 JQ ₁₀	2000 08 03.9	20 57.23	-04 10.8	18.1	-0.80	-	6.4	4.2/07.5	2045
2000 LV ₂₁	2000 08 02.8	20 53.36	-04 46.4	16.9	-0.62	-	4.1	7.2/06.3	2564	1997 VS ₆	2000 08 03.9	20 57.30	-08 20.5	18.6	-0.97	-	3.1	3.7/05.9	2629
1996 YX ₂	2000 08 02.9	20 53.36	-19 14.6	19.4	-0.77	-	3.2	0.5/02.5	34871	1999 JN ₈₂	2000 08 03.9	20 57.40	-10 42.3	18.0	-0.74	-	6.4	2.1/05.8	2051
2000 KH ₅₇	2000 08 02.9	20 53.38	-00 21.9	16.3	-0.84	-	7.2	7.8/07.8	2789	1996 GB ₇	2000 08 03.9	20 57.49	-25 01.6	18.2	-1.12	-	4.1	3.2/02.2	35695
1998 BO ₁₃	2000 08 02.9	20 53.46	-17 53.6	17.8	-0.78	-	3.0	0.1/02.8	2631	(10518)	2000 08 03.9	20 57.54	+07 22.5	14.9	-0.56	-	7.4	11.5/12.9	34441
(11214)	2000 08 02.9	20 53.48	-26 29.8	17.4	-1.14	-	1.2	3.2/01.2	35266	1990 TK ₄	2000 08 03.9	20 57.56	-12 10.4	18.4	-0.99	-	4.0	1.9/05.1	34576
1999 ED ₁₂	2000 08 02.9	20 53.58	-19 52.1	19.2	-1.02	-	6.9	1.0/02.4	2026	(10930)	2000 08 04.0	20 57.68	-08 18.8	16.8	-0.74	-	6.2	3.0/06.5	34805
1999 JH ₄₈	2000 08 02.9	20 53.66	-02 40.5	18.6	-0.90	-	1.7	4.6/06.1	35001	1998 FR ₅₅	2000 08 04.0	20 57.68	-05 55.1	18.7	-0.73	-	5.6	3.3/07.1	32320
1999 CN ₇₃	2000 08 03.0	20 53.90	-12 15.7	18.9	-1.03	-	2.9	2.1/04.2	2643	(10842)	2000 08 04.0	20 57.95	-11 06.2	18.2	-1.03	-	4.7	2.5/05.5	34781
2601 P-L	2000 08 03.0	20 53.94	-21 43.6	18.6	-0.79	-	3.3	1.3/02.0	2801	1999 CJ ₁₄	2000 08 04.0	20 58.00	+02 46.4	17.5	-0.75	-	7.1	6.5/10.2	2642
1999 CM	2000 08 03.0	20 53.99	-32 55.3	18.2	-0.98	-	7.2	5.3/29.9	35732	1995 FH ₁	2000 08 04.1	20 58.10	-35 48.1	17.0	-1.14	-	0.2	7.0/31.5	35693
1999 GC ₄	2000 08 03.0	20 54.00	-00 47.8	20.1	-0.84	-	4.8	5.2/07.4	2646	1999 KM	2000 08 04.1	20 58.22	-34 37.4	18.3	-0.89	-	6.4	5.6/30.2	35041
1991 BB ₃	2000 08 03.0	20 54.02	-16 54.5	18.3	-0.98	-	3.5	0.2/03.2	2615	1994 SN ₁₀	2000 08 04.1	20 58.34	+04 15.0	19.9	-0.65	-	4.2	5.2/10.0	39958
4271 P-L	2000 08 03.0	20 54.03	-08 12.0	19.6	-0.84	-	4.5	3.6/05.3	2801	1998 EJ ₉	2000 08 04.1	20 58.36	-23 13.6	17.1	-0.90	-	11.3	2.1/02.3	2632
1999 FU ₂₅	2000 08 03.1	20 54.24	-10 16.6	18.6	-0.89	-	4.6	2.5/04.9	34949	(11235)	2000 08 04.2	20 58.35	-21 42.3	16.8	-0.79	-	7.7	1.6/02.9	1403
1998 BY ₁	2000 08 03.1	20 54.31	-19 30.7	19.9	-0.90	-	5.9	0.7/02.6	35434	1981 EQ ₁₇	2000 08 04.2	20 58.35	-14 21.8	18.5	-0.98	-	4.2	1.1/04.9	35677
1996 TC ₄₄	2000 08 03.1	20 54.33	-21 42.5	20.6	-0.91	-	2.7	1.4/02.2	32954	1997 YL ₁₆	2000 08 04.2	20 58.36	-05 16.2	15.7	-1.08	+	4.8	6.0/05.7	1930
(15774)	2000 08 03.1	20 54.46	-14 58.8	17.5	-0.76	-	4.4	0.8/03.8	1698	1999 AQ ₂₂	2000 08 04.2	20 58.39	-34 46.0	19.7	-1.01	-	5.4	5.4/30.7	35080
1999 JB ₆	2000 08 03.2	20 54.64	-31 02.0	18.4	-0.94	-	3.9	4.6/30.9	35736	1997 VB ₃	2000 08 04.2	20 58.48	-24 32.7	16.9	-1.06	-	5.1	2.9/02.4	2629
1997 UO ₃	2000 08 03.2	20 54.72	-05 50.2	17.9	-0.99	-	3.0	4.3/05.7	35432	1998 DJ ₁₀	2000 08 04.2	20 58.54	-18 58.4	17.8	-0.85	-	3.1	0.5/03.8	2632
1999 HM ₈	2000 08 03.2	20 54.92	-00 36.1	17.7	-0.83	-	4.9	5.6/07.7	2647	1999 JG ₁₁₄	2000 08 04.3	20 58.74	+01 02.9	17.9	-0.86	-	2.7	6.4/08.5	2055
(15679)	2000 08 03.3	20 54.85	+01 38.2	17.7	-0.85	-	2.5	7.0/07.9	1673	1999 CK ₅	2000 08 04.3	20 58.94	-40 51.5	16.5	-1.19	+	2.9	11.7/31.2	34602
1998 WD ₂₄	2000 08 03.3	20 54.90	-25 40.7	16.3	-0.98	-	0.9	3.0/01.7	2638	1998 FB ₆₃	2000 08 04.3	20 59.01	+04 32.8	17.4	-0.77	-	5.5	7.1/10.3	2633
1981 EH ₇	2000 08 03.3	20 54.96	+04 02.9	19.6	-0.81	-	4.5	7.2/08.9	26916	1999 DN ₇	2000 08 04.4	20 59.20	-23 11.7	16.2	-0.85	-	5.9	2.9/02.8	2644
(15975)	2000 08 03.3	20 55.06	-12 20.2	18.0	-0.79	-	2.1	1.6/04.5	1753	1999 GS ₅	2000 08 04.4	20 59.23	-22 20.2	18.9	-1.01	-	3.9	1.9/03.2	36087
(11232)	2000 08 03.3	20 55.11	-28 16.6	16.9	-0.81	-	5.5	3.4/31.4	35271	1997 XW ₄	2000 08 04.4	20 59.31	-17 04.0	18.4	-0.87	-	3.3	0.0/04.5	31424
1979 MT ₁	2000 08 03.3	20 55.14	-17 49.0	17.7	-0.87	-	7.6	0.2/03.2	2612	(10741)	2000 08 04.4	20 59.36	-41 27.1	17.4	-1.10	-	4.5	8.2/28.8	34755
1050 T-2	2000 08 03.3	20 55.18	-05 56.9	18.6	-0.73	-	4.4	3.1/06.3	32092	(10912)	2000 08 04.4	20 59.41	-25 47.4	17.5	-0.89	-	4.1	2.7/02.3	2611
1993 OY ₆	2000 08 03.3	20 55.27	-19 42.3	15.8	-0.83	-	9.1	1.2/02.7	2617	1998 FF ₇₄	2000 08 04.4	20 59.43	-20 59.6	17.8	-0.79	-	3.8	1.3/03.5	2633
1999 JF ₈₀	2000 08 03.4	20 55.41	-23 03.4	17.4	-0.67	-	6.2	1.7/01.8	2648	(10626)	2000 08 04.5	20 59.56	-15 14.7	18.9	-0.89	-	4.2	0.6/05.0	34469
(15928)	2000 08 03.4	20 55.50	-26 49.0	16.9	-0.94	-	7.5	4.2/31.8	1740	(10929)	2000 08 04.5	20 59.57	-19 25.5	17.4	-0.80	-	3.2	0.7/04.0	34804
1993 XV	2000 08 03.4	20 55.64	-13 02.3	17.3	-1.02	-	1.7	1.6/04.3	2618	5564 P-L	2000 08 04.5	20 59.63	-23 33.3	18.5	-1.04	-	4.8	2.8/02.9	30914
1998 FG ₁₆	2000 08 03.4	20 55.68	-21 20.3	17.7	-0.86	-	4.2	1.4/02.5	2632	(10639)	2000 08 04.5	20 59.73	-11 48.3	15.8	-1.01	-	3.6	2.6/06.0	34473
1991 GO ₈	2000 08 03.5	20 55.77	-18 24.9	17.8	-0.96	-	2.7	0.4/03.3	2615	1987 KG ₅	2000 08 04.5	20 59.76	-12 07.6	15.8	-0.75	-	13.0	2.1/06.2	2613
(10571)	2000 08 03.5	20 55.93	-10 25.4	17.5	-0.75	-	14.1	2.4/06.0	34455	1999 DM ₁	2000 08 04.5	20 59.79	+09 48.6	19.8	-0.88	-	8.3	8.5/13.1	39300
1996 PS ₈	2000 08 03.5	20 56.09	-18 40.0	18.2	-0.96	-	2.8	0.5/03.3	2623	1999 JX ₆₈	2000 08 04.5	20 59.83	-01 12.4	18.1	-0.83	-	4.6	5.3/08.7	36543
1990 QN ₉	2000 08 03.6	20 56.12	-17 37.1	16.9	-1.01	-	6.1	0.1/03.5	2614	1999 BW ₆	2000 08 04.6	21 00.08	-24 56.1	17.4	-0.90	-	4.6	2.8/02.7	35081
1998 YK ₈	2000 08 03.6	20 56.22	-17 36.0	17.7	-0.99	-	6.9	0.1/03.6	1997	1999 JM ₄₅	2000 08 04.6	21 00.19	-33 30.2	18.8	-0.86	-	3.5	4.6/31.5	35458
2000 NV ₃	2000 08 03.6	20 56.30	-09 15.3	17.4	-1.01	+	1.6	3.3/05.1	2575	2000 KM ₄₁	2000 08 04.6	21 00.29	+03 39.7	17.0	-0.69	-	5.4	7.6/10.9	2787
1996 SR	2000 08 03.6	20 56.31	-12 06.9	18.6	-0.83	-	6.1	2.3/05.0	1420	1999 JX ₈₆	2000 08 04.6	21 00.33	-35 32.6	17.9	-1.03	-	5.9	6.3/30.6	35379
(10383)	2000 08 03.6	20 56.35	-14 56.2	15.7	-0.88	-	2.3	1.0/04.2	34156	1998 FC ₂₉	2000 08 04.7	21 00.43	-03 09.0	17.1	-0.70	-	6.8	4.6/08.8	2632
1981 ET ₁₇	2000 08 03.6	20 56.42	-16 13.7	18.1	-0.94	-	3.5	0.4/03.9	31780	1981 EZ ₄₅	2000 08 04.7	21 00.48	-12 35.7	17.4	-0.74	-	4.9	1.5/05.9	32214
1998 HC ₂₉	2000 08 03.7	20 56.41	-38 29.4	17.8	-1.03	-	3.8	7.2/29.1	35439	(15859)	2000 08 04.7	21 00.49	-08 02.5	17.2	-0.89	-	5.0	4.4/07.0	1721
(15873)	2000 08 03.7	20 56.49	-21 39.6	17.5	-0.92	-	3.3	1.6/02.7	1725	(10320)	2000 08 04.7	21 00.54	-06 39.6	15.9	-0.84	-	6.9	5.0/07.6	1402
(10390)	2000 08 03.7	20 56.55	-18 45.0	16.9	-1.13	-	2.2	0.7/03.4	34157	1998 CL ₄	2000 08 04.7	21 00.61	-20 19.1	17.3	-0.92	-	0.7	1.2/04.1	1932
1993 FW ₄₇	2000 08 03.7	20 56.63	-24 22.7	18.0	-0.83	-	2.5	2.2/02.1	1412	1992 EU ₆	2000 08 04.7	21 00.64	-18 26.3	17.3	-0.94	-	8.0	0.6/04.4	2616
1997 VE ₇	2000 08 03.7	20 56.79	-10 26.8	18.0	-0.96	-	3.2	2.4/05.3	35073	1997 XF ₅	2000 08 04.7	21 00.65	-23 47.1	18.3	-0.89	-	0.2	1.9/03.4	31796

(15776)	2000 08 04.8	21 00.68	-06 58.3	16.4	-0.97	- 5.9	4.4/07.4	1699	1999 JZ ₄₄	2000 08 06.0	21 05.36	+07 44.1	18.7	-0.74	- 2.9	6.9/12.8	34999
1999 FV ₁₉	2000 08 04.8	21 00.81	-28 50.2	17.5	-1.01	- 1.3	4.2/02.3	2644	(15799)	2000 08 06.0	21 05.54	-01 51.5	16.9	-0.92	- 1.3	5.1/09.4	1705
1997 UF	2000 08 04.8	21 00.96	-12 21.9	17.5	-0.95	- 5.8	1.9/06.0	2628	1998 DH ₅	2000 08 06.0	21 05.68	-25 31.5	19.1	-0.79	- 4.9	2.5/03.7	34901
1994 EV ₇	2000 08 04.9	21 01.22	-46 10.1	16.0	-2.17	+ 9.9	15.0/02.6	2619	1981 EV ₃₀	2000 08 06.1	21 05.94	-18 03.8	17.7	-0.92	- 2.3	0.6/05.8	2612
2000 LN ₁₆	2000 08 04.9	21 01.42	+00 00.6	18.2	-0.78	- 7.2	6.3/10.0	2560	1996 PM ₃	2000 08 06.2	21 06.01	-11 19.5	17.9	-0.84	- 7.5	1.7/07.7	2623
1999 CB ₉₀	2000 08 05.0	21 01.54	-30 23.0	18.1	-1.09	- 5.3	5.4/01.7	35444	1992 EL ₉	2000 08 06.2	21 06.07	-19 34.1	18.1	-0.76	- 4.4	0.8/05.4	35422
(15779)	2000 08 05.0	21 01.61	+13 55.2	14.4	-1.34	+16.8	16.9/04.4	1700	(10939)	2000 08 06.2	21 06.07	-19 23.4	15.3	-1.03	- 2.4	1.4/05.6	34807
1999 EH	2000 08 05.0	21 01.64	-17 27.5	18.5	-1.03	- 3.2	0.2/04.9	35085	2743 P-L	2000 08 06.3	21 06.40	-16 45.7	18.4	-0.99	- 4.6	0.1/06.3	2801
1981 DB ₂	2000 08 05.0	21 01.78	-12 46.1	18.9	-0.89	- 2.4	1.3/06.0	26914	1999 BX ₅	2000 08 06.3	21 06.45	-16 26.9	17.4	-1.07	- 1.5	0.1/06.3	2002
1998 FR ₁₃	2000 08 05.0	21 01.78	-34 02.8	17.4	-0.94	- 2.8	5.8/31.8	2632	(15992)	2000 08 06.3	21 06.48	-16 14.9	17.0	-1.08	- 1.2	0.1/06.4	1758
(10262)	2000 08 05.1	21 02.07	-41 55.7	15.4	-1.09	- 2.1	10.9/29.5	34127	(9985)	2000 08 06.3	21 06.57	-25 04.2	17.9	-1.06	- 5.1	3.3/04.3	33667
1999 HG ₁	2000 08 05.2	21 02.18	-28 17.9	18.4	-0.85	- 2.1	3.5/02.5	2646	1999 GP ₂₀	2000 08 06.3	21 06.61	-36 41.1	17.8	-1.06	- 3.0	6.6/01.4	35735
1999 KA ₈	2000 08 05.2	21 02.30	-02 21.7	17.0	-0.79	- 1.7	5.1/08.7	2649	(10609)	2000 08 06.4	21 06.86	+01 13.6	17.7	-0.75	- 5.5	7.6/11.5	34465
2000 LF ₂₁	2000 08 05.2	21 02.35	-02 06.3	16.3	-0.77	- 3.5	6.4/09.0	2563	1981 EJ ₁₈	2000 08 06.4	21 06.90	-19 46.5	18.8	-0.80	- 2.5	0.9/05.7	32509
1997 TS ₁₉	2000 08 05.2	21 02.42	-12 47.9	19.7	-0.96	- 3.9	1.5/06.2	34297	1999 JF ₁₀₂	2000 08 06.4	21 06.94	-17 07.6	16.8	-0.82	- 4.7	0.2/06.3	35468
(10688)	2000 08 05.2	21 02.57	-08 28.1	17.0	-0.83	- 1.0	2.7/07.1	34741	3232 T-2	2000 08 06.5	21 07.33	-18 07.9	17.6	-0.94	- 7.3	0.8/06.1	2804
(15934)	2000 08 05.4	21 02.94	-12 26.5	17.0	-0.91	- 4.5	2.1/06.0	1741	1999 GB ₁₇	2000 08 06.6	21 07.58	-37 07.3	17.2	-1.09	- 1.5	7.1/02.0	35350
1999 DP ₁	2000 08 05.4	21 03.00	-40 54.7	16.6	-1.09	- 4.1	9.2/30.2	2643	1996 UP	2000 08 06.6	21 07.67	-11 15.4	17.3	-0.80	- 6.0	1.6/08.1	2624
1997 UV ₂₁	2000 08 05.4	21 03.05	-36 35.5	18.6	-1.06	- 4.0	6.1/31.3	35072	2000 LA ₂₇	2000 08 06.6	21 07.90	+00 29.0	16.1	-1.09	+ 2.9	7.7/09.7	2565
2000 NP ₁₀	2000 08 05.4	21 03.12	-14 44.3	16.7	-0.99	+ 1.1	0.8/05.8	2576	(10788)	2000 08 06.7	21 07.92	-16 26.0	16.5	-0.85	- 3.3	0.0/06.7	34767
1999 HW	2000 08 05.4	21 03.20	+02 49.9	17.1	-0.73	- 7.3	8.0/11.4	2646	1997 YH ₁₃	2000 08 06.7	21 08.03	-08 45.8	19.3	-0.75	- 2.8	2.2/08.7	35074
1999 JM ₂₈	2000 08 05.4	21 03.23	-14 27.6	16.9	-1.00	- 4.1	0.9/06.0	2647	1997 YV	2000 08 06.7	21 08.29	-14 11.8	16.5	-0.94	- 5.5	1.0/07.4	2630
3237 T-2	2000 08 05.4	21 03.35	-30 09.3	19.9	-0.84	- 2.5	3.5/02.2	1667	(10776)	2000 08 06.7	21 08.35	-19 33.1	17.7	-0.95	- 5.7	1.1/06.0	2611
1997 PV ₅	2000 08 05.5	21 03.38	-21 30.8	17.9	-1.11	- 2.9	2.1/04.5	34296	1999 JP ₁₀₉	2000 08 06.8	21 08.39	-17 28.0	16.7	-0.77	- 4.4	0.4/06.6	2055
1995 SO ₁	2000 08 05.5	21 03.40	+00 27.6	17.8	-0.89	+ 1.6	5.4/08.7	2621	1997 YD ₁₅	2000 08 06.8	21 08.42	-19 58.0	18.1	-0.91	- 4.9	1.2/05.9	34888
(10908)	2000 08 05.6	21 03.70	-22 25.1	17.0	-0.85	- 3.8	1.9/04.2	34799	1999 CA ₆	2000 08 06.8	21 08.49	-23 02.9	18.3	-0.99	-12.2	2.3/04.8	2006
1999 HC ₁₁	2000 08 05.6	21 03.74	-32 47.2	17.4	-0.93	- 2.3	5.7/01.7	35450	4735 P-L	2000 08 06.8	21 08.52	-21 41.4	18.3	-1.09	- 4.8	2.4/05.6	34060
1994 XJ	2000 08 05.6	21 03.80	-28 10.4	16.9	-1.05	- 5.0	4.5/02.8	35067	(15734)	2000 08 06.8	21 08.76	-16 52.7	17.9	-0.95	- 6.6	0.2/06.8	1687
(15500)	2000 08 05.6	21 03.86	-23 59.2	18.3	-1.01	- 3.3	2.5/04.0	908	1999 FM ₄₄	2000 08 06.9	21 08.78	-03 43.7	17.4	-0.81	- 7.8	4.7/11.0	2034
1990 RH ₃	2000 08 05.6	21 03.87	-05 23.6	16.5	-0.73	- 6.2	4.0/08.9	2614	(16058)	2000 08 06.9	21 08.92	-10 28.8	16.9	-1.07	- 2.1	2.3/08.2	1775
2000 LR ₁₇	2000 08 05.6	21 03.88	-07 53.1	16.6	-0.82	- 4.8	4.3/08.0	2561	(10027)	2000 08 07.0	21 09.37	-06 28.1	17.7	-0.93	- 6.3	3.6/09.8	33864
(10865)	2000 08 05.6	21 03.91	-18 03.0	17.1	-0.81	- 3.3	0.4/05.3	34787	(11137)	2000 08 07.0	21 09.38	-11 31.5	15.8	-0.75	- 4.8	2.0/08.4	35247
1994 FV	2000 08 05.6	21 03.96	-38 48.3	18.4	-1.82	+ 4.7	10.1/02.7	33940	1999 JB ₆₈	2000 08 07.1	21 09.64	-17 48.6	17.4	-0.84	- 5.9	0.5/06.7	2648
1995 DZ ₈	2000 08 05.6	21 04.10	-20 17.1	18.6	-1.01	- 3.6	1.3/04.9	34583	1998 EL ₆	2000 08 07.1	21 09.72	-03 57.9	17.4	-0.72	- 6.5	4.2/10.8	2632
1999 CZ ₅₆	2000 08 05.7	21 04.10	-19 41.9	18.3	-1.07	- 4.2	1.2/05.0	34545	1999 AM ₃	2000 08 07.1	21 09.76	-03 39.3	16.1	-1.64	+12.1	6.8/07.8	2640
(16280)	2000 08 05.7	21 04.28	-10 01.8	15.9	-0.83	- 7.4	3.4/07.6	1839	1981 DF	2000 08 07.1	21 09.79	-22 15.3	17.8	-0.86	- 0.9	1.7/05.9	35677
(11416)	2000 08 05.7	21 04.40	-06 16.4	17.5	-0.71	- 6.3	3.3/08.8	35595	4640 P-L	2000 08 07.2	21 10.08	-09 10.8	18.5	-0.71	- 5.5	2.3/09.3	26192
1997 XX ₃	2000 08 05.7	21 04.43	-13 17.7	16.8	-0.65	- 4.3	1.0/06.7	2630	1997 ST ₁₀	2000 08 07.2	21 10.18	-29 07.6	16.7	-1.10	- 3.7	5.7/04.1	35701
1999 CH ₈	2000 08 05.8	21 04.48	-28 02.3	16.4	-0.91	- 7.9	4.3/02.6	35082	(15761)	2000 08 07.2	21 10.27	-03 59.0	17.2	-0.82	- 6.2	4.2/10.8	1695
1999 JA ₁₀₀	2000 08 05.8	21 04.54	-22 32.5	18.0	-0.75	- 5.8	1.6/04.2	35034	1999 JF ₃₃	2000 08 07.3	21 10.24	-11 27.1	17.7	-0.85	- 4.1	1.7/08.5	35736
1999 FM ₃₃	2000 08 05.8	21 04.55	-15 53.5	17.8	-0.80	- 3.5	0.3/06.0	2032	(10763)	2000 08 07.3	21 10.37	-29 23.3	17.0	-0.84	- 5.5	4.2/03.6	2611
1999 GP ₃	2000 08 05.8	21 04.55	+00 22.8	17.1	-0.80	- 8.1	6.3/11.1	2645	1981 EZ ₃₅	2000 08 07.3	21 10.49	-16 46.7	20.4	-0.75	- 3.4	0.1/07.2	32739
1997 WV ₅₃	2000 08 05.8	21 04.57	-21 28.1	18.5	-0.93	- 4.2	1.6/04.7	1928	1998 DR ₂	2000 08 07.3	21 10.63	-24 17.9	17.8	-0.90	- 1.5	2.5/05.6	2632
(11021)	2000 08 05.8	21 04.61	-10 04.5	17.1	-0.72	- 7.4	1.9/07.8	35217	(11239)	2000 08 07.3	21 10.66	-09 11.5	17.4	-0.91	- 4.2	2.5/09.2	35273
1999 FM ₉	2000 08 05.8	21 04.64	-19 09.4	18.2	-0.88	- 4.1	0.8/05.2	2644	1999 FE ₁₀	2000 08 07.4	21 10.65	-17 18.1	18.8	-1.01	- 4.3	0.4/07.2	35086
1997 WC ₁₀	2000 08 05.8	21 04.64	-13 46.5	19.8	-0.95	- 4.8	1.1/06.6	31281	1999 AD ₈	2000 08 07.4	21 10.67	-23 26.0	17.9	-1.09	- 5.3	3.1/05.6	34039
1996 TA ₃₁	2000 08 05.8	21 04.87	-25 08.2	18.0	-0.89	- 4.9	3.3/03.7	36343	1999 JS ₅₂	2000 08 07.4	21 10.78	-03 08.5	18.8	-0.74	- 3.4	3.9/11.0	2049
1998 YA ₂	2000 08 05.8	21 04.88	-17 54.3	17.1	-1.10	- 2.2	0.5/05.6	2639	(16052)	2000 08 07.4	21 10.95	+03 50.7	17.1	-0.84	- 2.7	8.1/12.4	1774
1975 ST ₁	2000 08 05.8	21 04.90	-03 03.9	17.3	-0.74	- 5.6	4.8/09.7	2612	1999 JV ₇₀	2000 08 07.4	21 10.98	+01 03.8	18.2	-0.73	- 5.6	5.9/12.6	2050
1991 AU ₂	2000 08 05.9	21 04.85	-15 29.1	18.8	-0.98	- 2.8	0.4/06.2	1871	1999 JP ₆₉	2000 08 07.5	21 11.04	-08 50.1	18.0	-0.95	- 5.7	2.8/09.4	35737
1999 BP ₁₀	2000 08 06.0	21 05.28	-15 51.3	19.9	-0.99	- 5.2	0.3/06.2	34317	1981 EK ₄₅	2000 08 07.5	21 11.09	-20 20.7	17.5	-1.07	- 0.2	1.9/06.7	34282

1990 QF ₈	2000 08 07.5	21 11.13	-18 27.1	17.2	-1.01	- 5.9	1.0/07.0	34832	1978 RU ₈	2000 08 08.6	21 15.32	-08 01.6	17.2	-0.73	- 6.6	2.6/11.0	2612
(11336)	2000 08 07.5	21 11.14	-16 07.8	17.1	-0.88	- 5.4	0.0/07.6	35574	(15959)	2000 08 08.6	21 15.39	-19 01.0	17.1	-0.90	- 2.3	1.2/07.9	1748
(15727)	2000 08 07.5	21 11.15	-12 21.4	17.5	-1.03	- 3.0	1.7/08.4	1686	1999 JR ₃₉	2000 08 08.6	21 15.42	-27 10.7	17.1	-0.84	- 3.3	3.9/05.7	2647
1996 SB ₂	2000 08 07.5	21 11.19	-01 33.2	18.1	-0.79	- 5.9	5.2/11.7	2624	(15987)	2000 08 08.6	21 15.62	-18 28.2	17.3	-0.99	- 6.6	1.0/08.0	1756
1997 YB ₁₂	2000 08 07.6	21 11.48	+00 04.8	17.7	-0.98	+ 0.8	6.3/10.8	2630	2174 T-2	2000 08 08.7	21 15.64	-20 07.1	17.6	-0.92	- 2.4	1.5/07.7	2803
1997 UA ₁₅	2000 08 07.6	21 11.68	-22 08.7	18.1	-1.05	- 5.0	2.7/06.2	31147	1999 HG ₇	2000 08 08.7	21 15.82	-03 52.7	18.0	-0.86	- 4.8	4.4/12.0	2647
1981 EN ₄₁	2000 08 07.6	21 11.70	-15 58.4	19.8	-0.87	- 4.6	0.1/07.7	2613	1981 EJ ₃₃	2000 08 08.7	21 15.92	-15 49.3	19.2	-1.03	- 1.6	0.0/08.8	26921
1999 FW ₈	2000 08 07.6	21 11.81	-17 48.8	18.6	-0.95	- 5.5	0.6/07.3	35445	1989 GL	2000 08 08.8	21 15.93	-49 37.1	18.2	-1.56	+ 1.3	12.5/02.1	35680
(15755)	2000 08 07.7	21 11.76	-18 12.6	18.0	-0.75	- 5.9	0.7/07.1	1693	(10694)	2000 08 08.8	21 16.07	+05 23.0	17.1	-0.67	- 7.6	6.3/15.9	34742
1999 CX ₃₀	2000 08 07.7	21 11.76	-08 35.4	17.5	-1.02	- 3.8	3.0/09.5	2016	1994 EQ ₂	2000 08 08.8	21 16.12	-18 43.7	17.4	-0.93	- 1.6	0.9/08.2	1889
1991 VX ₅	2000 08 07.7	21 11.97	-28 21.5	17.3	-0.84	- 5.3	3.7/04.4	36509	1992 ET ₁₀	2000 08 08.8	21 16.21	-17 35.9	18.2	-0.80	- 3.8	0.5/08.4	32927
1997 YN ₁₀	2000 08 07.7	21 12.14	-25 53.9	17.4	-0.95	- 7.1	3.7/05.0	2630	1995 SP ₁	2000 08 08.9	21 16.33	-13 28.0	17.8	-1.00	+ 1.8	0.7/09.3	2621
1999 JJ ₆₄	2000 08 07.8	21 12.12	-27 17.2	17.9	-0.82	- 3.9	3.0/04.8	35372	1992 EZ ₂₉	2000 08 08.9	21 16.63	-17 53.4	17.3	-1.00	- 4.6	0.9/08.5	35288
1997 XB	2000 08 07.8	21 12.18	-24 38.1	18.5	-0.92	- 6.3	2.9/05.5	35433	2000 NO ₂₆	2000 08 08.9	21 16.63	-11 46.4	16.9	-0.87	- 4.0	1.6/10.0	2578
1998 CF	2000 08 07.9	21 12.61	-24 42.7	18.3	-0.83	- 7.0	2.8/05.4	35435	(15954)	2000 08 08.9	21 16.66	-21 05.2	17.1	-0.85	- 6.0	1.9/07.5	1747
1993 TK ₂₂	2000 08 07.9	21 12.69	-21 13.2	17.5	-1.00	- 4.3	1.8/06.7	35689	1993 RJ ₇	2000 08 09.0	21 16.74	-17 20.4	17.8	-1.00	- 3.7	0.6/08.6	35292
1998 FK ₅₅	2000 08 07.9	21 12.77	-00 51.9	18.1	-0.68	- 5.9	4.2/12.5	1935	1990 FJ ₂	2000 08 09.0	21 16.81	+02 00.3	16.9	-0.81	- 4.6	5.6/14.0	2614
1997 SJ ₃₄	2000 08 07.9	21 12.79	-17 55.8	19.7	-0.98	- 4.0	0.6/07.5	1010	2000 LK ₃₄	2000 08 09.0	21 17.10	-07 10.2	17.7	-0.75	- 5.9	3.3/11.6	2569
1999 JF ₉₆	2000 08 07.9	21 12.80	-16 17.4	17.6	-0.83	- 7.8	0.1/07.9	35467	1996 HQ	2000 08 09.1	21 17.12	-28 33.1	18.6	-1.07	- 4.8	5.2/05.9	34294
1992 FK ₁	2000 08 07.9	21 12.89	+10 26.2	18.9	-1.08	+ 0.2	8.9/13.8	2616	1999 FY ₁₈	2000 08 09.1	21 17.32	-10 00.4	19.4	-0.86	- 4.7	1.8/11.0	35087
1998 BL ₉	2000 08 07.9	21 12.95	-14 20.0	16.5	-0.84	- 8.5	0.6/08.5	2631	(15909)	2000 08 09.1	21 17.45	-03 15.0	16.1	-0.96	- 2.0	6.0/12.2	1735
1990 SE ₁₅	2000 08 08.0	21 13.15	-00 25.3	16.6	-0.68	- 1.4	9.1/12.2	1869	1977 DP ₂	2000 08 09.1	21 17.46	-17 21.0	19.5	-0.78	- 3.5	0.4/08.8	31222
1999 CE ₁₁₂	2000 08 08.0	21 13.30	+01 57.5	17.5	-0.92	- 2.8	7.2/12.8	2021	1999 EG ₆	2000 08 09.2	21 17.63	-34 29.0	19.9	-1.10	- 1.7	6.1/04.9	35085
1987 BU ₁	2000 08 08.1	21 13.37	-10 30.4	18.2	-0.96	- 3.9	2.0/09.5	35679	1998 HD ₄₆	2000 08 09.2	21 17.66	-18 07.3	18.0	-0.76	- 3.7	0.6/08.6	35466
1997 YS ₁₉	2000 08 08.1	21 13.41	-26 51.2	17.9	-1.00	- 5.9	4.1/05.2	35074	1998 DD ₁₅	2000 08 09.2	21 17.80	-03 42.5	18.4	-0.85	- 6.2	3.9/12.6	2632
1998 BU ₁	2000 08 08.1	21 13.47	-28 36.0	17.6	-0.93	- 8.3	4.4/04.3	35075	1997 UP ₃	2000 08 09.2	21 17.84	-13 06.2	16.8	-0.97	- 3.6	1.0/09.9	2628
1989 AU ₆	2000 08 08.1	21 13.65	-15 23.7	17.3	-0.90	- 2.4	0.2/08.3	2613	1997 AH ₂₁	2000 08 09.2	21 17.86	-25 06.1	17.2	-0.79	- 7.5	2.6/06.4	2625
1995 SR ₉	2000 08 08.2	21 13.79	-29 11.6	19.5	-0.90	- 1.3	3.7/05.1	32053	1994 BA ₄	2000 08 09.2	21 17.86	-10 48.2	18.1	-0.89	- 4.3	1.7/10.6	35425
1999 JX ₃	2000 08 08.2	21 13.80	-21 40.9	17.0	-0.78	- 7.5	2.0/06.5	2647	(10811)	2000 08 09.3	21 17.85	-18 57.1	16.3	-0.83	- 6.2	1.1/08.4	34773
1998 WX ₂₆	2000 08 08.2	21 13.86	-17 18.3	18.6	-1.02	- 5.3	0.5/07.9	34031	1993 JK	2000 08 09.3	21 17.87	-07 32.4	16.1	-0.95	- 6.2	3.8/11.6	2617
(15897)	2000 08 08.2	21 13.87	-15 18.6	17.5	-1.01	- 6.3	0.3/08.4	1731	1981 ET ₂₉	2000 08 09.3	21 17.96	-08 58.7	19.1	-0.73	- 3.4	1.8/11.1	35057
1997 UQ ₃	2000 08 08.2	21 13.93	-18 37.9	17.6	-0.98	- 4.3	0.9/07.6	2629	1995 DE ₉	2000 08 09.3	21 17.97	-20 26.2	19.1	-1.04	- 3.8	2.1/08.2	32944
(11132)	2000 08 08.2	21 14.07	-09 50.3	17.8	-0.75	- 3.3	1.8/09.9	35246	1999 CY ₁₁₉	2000 08 09.3	21 18.02	-38 19.2	17.4	-1.20	- 0.7	9.7/04.4	2022
1999 JO ₁₂₉	2000 08 08.3	21 14.09	-22 28.7	18.1	-0.90	- 8.0	2.2/06.4	35382	(10466)	2000 08 09.3	21 18.15	-12 46.5	17.5	-1.02	- 2.9	1.2/10.0	34428
1977 RD	2000 08 08.4	21 14.40	-55 39.4	17.0	-2.38	+17.3	18.7/09.6	34572	1993 FT ₂₂	2000 08 09.3	21 18.24	-12 39.9	18.0	-0.78	- 3.2	0.9/10.2	1412
(15844)	2000 08 08.4	21 14.42	-16 50.8	15.5	-0.93	+ 0.9	0.3/08.2	1717	1999 JB ₄₆	2000 08 09.4	21 18.20	+06 09.7	18.3	-0.71	- 4.1	6.4/15.9	2048
(10904)	2000 08 08.4	21 14.51	-14 48.9	17.8	-0.96	- 4.8	0.4/08.7	34798	1999 JP ₂	2000 08 09.4	21 18.22	-20 26.3	19.6	-0.99	- 5.9	1.7/08.1	2043
1994 VH ₇	2000 08 08.4	21 14.51	-28 28.2	18.2	-1.11	- 4.4	4.8/05.3	35067	(16055)	2000 08 09.4	21 18.36	-04 55.4	17.7	-0.84	- 2.6	3.4/12.1	1774
(10059)	2000 08 08.4	21 14.54	-19 35.4	17.0	-1.01	- 3.6	1.4/07.6	33872	1999 GV ₉	2000 08 09.4	21 18.44	-11 04.3	18.6	-0.85	- 6.4	1.5/10.8	2646
1999 DS ₃	2000 08 08.4	21 14.60	-32 12.2	17.6	-0.98	- 4.8	5.5/04.1	35444	1981 EX ₁₀	2000 08 09.4	21 18.49	-04 19.2	17.8	-0.83	- 5.5	4.3/12.7	2612
1999 FH ₄₁	2000 08 08.4	21 14.62	-17 25.7	17.5	-1.00	- 2.2	0.6/08.1	2033	1997 CQ ₁	2000 08 09.4	21 18.56	-13 00.4	17.7	-0.71	- 8.5	0.8/10.3	35072
1999 BD ₁₂	2000 08 08.4	21 14.70	-35 38.4	15.7	-0.83	- 8.3	9.9/01.9	2641	1989 SF ₅	2000 08 09.5	21 18.58	-20 36.6	17.5	-0.93	- 5.3	2.2/08.2	35600
(11755)	2000 08 08.4	21 14.75	-21 06.2	17.4	-1.02	- 3.9	2.1/07.2	1403	1990 WH ₄	2000 08 09.5	21 18.69	-30 56.1	18.2	-1.03	- 5.9	5.4/05.3	35420
1997 VE ₂	2000 08 08.5	21 14.82	-09 23.0	19.1	-0.86	- 4.5	2.0/10.2	34877	1997 VL ₁	2000 08 09.6	21 18.98	-27 03.0	18.7	-1.07	- 4.3	4.3/06.7	31148
1999 EM ₃	2000 08 08.5	21 14.83	-36 39.3	19.8	-1.12	- 1.5	6.4/03.8	35444	1999 CD ₃₃	2000 08 09.6	21 19.02	-22 59.4	16.2	-1.04	+ 1.8	3.7/08.3	2009
1994 CT ₁₁	2000 08 08.5	21 14.85	-19 42.0	17.4	-0.88	- 4.9	1.4/07.5	2618	(10748)	2000 08 09.6	21 19.26	-01 27.7	17.0	-0.86	- 2.3	4.9/13.1	34757
1996 GA ₁₉	2000 08 08.5	21 14.96	-24 15.7	17.2	-1.05	- 4.4	3.6/06.5	2622	(10056)	2000 08 09.6	21 19.28	-05 01.0	17.2	-0.94	- 4.3	4.4/12.4	33871
(10425)	2000 08 08.5	21 15.00	-14 51.8	17.4	-0.90	- 5.1	0.4/08.8	34166	(10916)	2000 08 09.6	21 19.31	-15 20.4	16.7	-0.83	- 3.5	0.1/09.7	34801
(15726)	2000 08 08.5	21 15.15	-13 05.4	16.3	-1.04	- 1.8	1.4/09.2	1685	1999 CZ ₈	2000 08 09.6	21 19.44	-22 42.5	17.8	-1.04	- 6.8	2.9/07.8	35443
1981 ES ₄₂	2000 08 08.5	21 15.25	-18 37.4	18.5	-0.91	- 3.8	0.9/07.9	31781	1999 CU ₅₆	2000 08 09.7	21 19.47	-17 16.3	16.3	-0.80	-11.1	0.8/09.2	2642
1999 JE ₈	2000 08 08.6	21 15.16	+15 19.5	18.9	-0.88	- 5.4	9.6/18.1	2044	1997 YJ ₁₄	2000 08 09.7	21 19.56	-14 54.1	19.4	-0.93	- 3.4	0.2/09.9	31591

1996 XG ₂₀	2000 08 09.7	21 19.60 -12 33.0 19.2 -0.86 - 3.5 1.1/10.5	28873	1997 LC ₄	2000 08 10.6	21 23.24 -53 28.2 18.5 -1.53 - 9.2 16.2/27.2	33752
1997 WJ ₄₆	2000 08 09.7	21 19.63 -30 42.0 17.6 -1.03 - 7.1 6.5/05.3	35306	1978 UX ₅	2000 08 10.7	21 23.13 -06 08.8 17.8 -0.97 - 4.7 4.3/13.1	34002
1981 EY ₄₅	2000 08 09.7	21 19.72 -15 33.4 17.0 -0.82 - 2.6 0.0/09.8	22271	(10879)	2000 08 10.7	21 23.20 -13 45.7 16.8 -0.82 - 3.6 0.5/11.1	34791
1996 TR ₁	2000 08 09.7	21 19.76 -11 55.6 17.6 -0.82 - 5.4 1.2/10.8	2624	1981 EC ₂₈	2000 08 10.7	21 23.28 -21 37.0 18.8 -1.05 - 3.3 2.5/09.2	34003
(16033)	2000 08 09.8	21 19.75 -13 41.5 16.4 -0.80 - 4.6 0.7/10.3	1769	1999 FG ₃₀	2000 08 10.7	21 23.57 -21 32.3 18.1 -0.99 - 4.0 2.3/09.2	2645
1992 SE	2000 08 09.8	21 19.80 +01 11.4 17.3 -0.84 - 7.4 6.8/14.7	2616	1999 JZ ₃₆	2000 08 10.8	21 23.83 -31 33.4 18.2 -0.89 - 3.6 5.1/06.4	35456
1993 BR ₂	2000 08 09.8	21 19.82 -19 57.0 18.5 -0.85 - 3.0 1.2/08.7	35065	1997 YG ₅	2000 08 10.8	21 23.83 -20 37.8 17.9 -0.97 - 6.0 1.9/09.4	2630
2000 NB ₆	2000 08 09.8	21 20.15 -04 34.9 17.0 -0.93 - 1.8 5.3/12.5	2575	(16045)	2000 08 10.8	21 23.93 -28 03.1 17.0 -0.77 - 7.9 4.0/06.8	1772
(10344)	2000 08 09.9	21 20.18 -15 15.6 17.3 -0.97 - 6.7 0.1/10.0	34147	(10691)	2000 08 10.9	21 23.94 -15 11.5 18.8 -0.74 - 3.6 6.3/31.0	34742
1993 FO ₂₂	2000 08 09.9	21 20.23 -04 16.0 18.5 -0.73 - 4.3 3.4/13.1	2617	(15797)	2000 08 10.9	21 24.17 -05 31.0 15.6 -0.92 - 2.3 4.5/13.3	1704
1997 VF ₃	2000 08 09.9	21 20.29 -26 49.5 17.1 -0.90 - 6.3 5.7/06.6	31149	(10037)	2000 08 10.9	21 24.20 -28 55.6 16.4 -1.05 - 4.3 5.3/07.4	33866
1995 DC	2000 08 09.9	21 20.42 -23 02.3 18.7 -1.01 - 2.9 2.7/08.2	2620	1998 YN ₉	2000 08 11.0	21 24.26 -20 50.3 17.2 -1.02 - 1.6 2.0/09.7	35079
2000 LL ₃₄	2000 08 09.9	21 20.43 -09 26.9 16.9 -0.75 - 8.7 2.3/11.9	2569	2000 NB ₁₈	2000 08 11.0	21 24.34 -22 18.0 16.8 -0.94 - 2.9 3.1/09.3	2577
4637 P-L	2000 08 10.0	21 20.52 -10 52.5 17.6 -0.90 - 7.8 2.2/11.0	34616	(10139)	2000 08 11.0	21 24.64 -17 03.6 17.5 -0.98 - 4.6 0.8/10.6	2611
1981 ED ₄	2000 08 10.0	21 20.58 -09 52.9 21.1 -0.91 - 3.1 1.8/11.4	26915	1999 JW ₇₇	2000 08 11.0	21 24.64 -03 23.8 18.3 -0.72 - 5.4 3.6/14.6	35464
(15953)	2000 08 10.0	21 20.72 -19 57.0 15.6 -1.12 + 2.1 1.9/09.3	1746	1998 DR ₁₄	2000 08 11.0	21 24.70 -09 33.4 19.2 -0.82 - 1.4 1.6/12.5	32060
(15866)	2000 08 10.0	21 20.79 -11 11.7 17.4 -0.98 - 5.4 1.7/11.2	1723	1993 QP ₂	2000 08 11.0	21 24.70 -10 31.3 17.0 -0.90 - 6.9 2.1/12.4	2618
1997 YO ₇	2000 08 10.0	21 20.86 -25 08.3 18.2 -0.81 - 6.0 2.9/07.3	35433	(15974)	2000 08 11.1	21 24.79 -18 31.7 17.0 -0.87 - 1.8 1.0/10.3	1753
1999 GF ₃₁	2000 08 10.1	21 20.92 -06 16.2 16.7 -0.84 - 6.0 3.8/12.7	2646	1992 PC ₂	2000 08 11.1	21 25.00 -01 54.0 16.6 -0.85 - 4.9 5.5/14.9	2616
1981 EK ₁₃	2000 08 10.1	21 20.97 -04 21.3 18.0 -0.94 - 3.4 4.9/12.9	26917	(15696)	2000 08 11.2	21 25.02 -18 57.6 17.5 -0.96 - 6.6 1.5/10.1	1678
1999 CM ₇₄	2000 08 10.1	21 21.04 -10 09.8 17.0 -0.91 - 3.7 2.6/11.5	2015	(10108)	2000 08 11.2	21 25.13 -60 51.1 17.3 -1.62 - 0.2 18.0/28.8	33883
1979 MK ₅	2000 08 10.1	21 21.13 -11 07.3 18.0 -0.89 - 4.3 1.5/11.3	2612	1987 DQ ₆	2000 08 11.2	21 25.14 -30 52.5 16.5 -1.00 + 0.3 5.1/07.7	35058
1999 JQ ₄₁	2000 08 10.1	21 21.29 -06 05.8 16.8 -0.96 - 5.9 3.7/12.7	2647	1999 FX ₄₅	2000 08 11.2	21 25.21 -18 12.3 16.8 -0.98 - 4.1 1.5/10.5	2034
(11207)	2000 08 10.2	21 21.29 -05 15.2 18.1 -0.91 - 5.9 3.9/13.0	35265	1997 UU ₁₀	2000 08 11.3	21 25.46 -21 08.8 18.7 -0.99 - 3.9 2.1/09.8	2629
1999 AC ₈	2000 08 10.2	21 21.35 -25 13.7 17.9 -1.13 - 3.3 4.0/07.9	34599	1999 FJ ₁₉	2000 08 11.3	21 25.61 -01 17.0 17.2 -0.69 - 7.4 4.7/16.0	2027
(10808)	2000 08 10.2	21 21.41 -08 17.5 17.5 -0.73 - 5.8 2.1/12.3	34772	(15800)	2000 08 11.3	21 25.70 +01 22.3 17.1 -0.93 - 1.6 5.7/15.3	1705
1997 TW ₂₅	2000 08 10.2	21 21.53 -16 39.9 18.2 -0.98 - 6.5 0.5/09.9	34587	1999 CS ₃₈	2000 08 11.3	21 25.83 -15 04.2 16.8 -0.76 -12.4 0.0/11.4	2010
1993 QO ₈	2000 08 10.2	21 21.64 -20 51.6 18.4 -1.05 - 4.6 2.1/08.9	31419	(15996)	2000 08 11.3	21 25.83 -13 54.5 16.4 -1.10 - 0.5 0.6/11.6	1759
(10910)	2000 08 10.3	21 21.70 -12 31.2 17.8 -0.91 - 4.6 1.0/11.0	34799	1996 VD ₈	2000 08 11.4	21 25.79 -20 48.3 16.0 -0.82 - 6.5 2.5/09.7	1911
1999 GY ₄₁	2000 08 10.3	21 21.70 -17 50.2 16.4 -0.95 - 8.7 1.0/09.6	2041	1999 AQ ₂	2000 08 11.4	21 25.85 -24 17.7 17.6 -1.10 - 3.2 3.7/09.2	35442
1999 BG ₆	2000 08 10.3	21 21.84 -09 15.4 18.1 -0.87 - 8.7 2.2/12.2	2641	1992 ON	2000 08 11.4	21 25.93 -48 13.0 17.7 -2.70 +27.4 19.8/16.0	21267
1990 SU ₉	2000 08 10.3	21 21.91 -23 20.3 18.0 -1.05 - 4.8 3.0/08.3	2615	(10503)	2000 08 11.4	21 26.01 -23 24.3 16.8 -1.10 - 3.8 3.6/09.4	34437
1993 FP ₁₉	2000 08 10.3	21 21.92 -13 16.8 19.4 -0.74 - 5.3 0.6/11.0	34500	1992 SJ ₂₆	2000 08 11.5	21 26.35 -32 37.9 17.7 -1.03 - 3.6 7.6/06.6	25641
(15765)	2000 08 10.3	21 21.94 -04 55.3 16.8 -0.93 - 3.1 4.8/12.8	1696	1998 BF ₈	2000 08 11.5	21 26.45 -16 03.1 17.9 -0.76 - 6.8 0.3/11.3	2631
1997 WZ ₃₉	2000 08 10.4	21 22.03 -08 21.3 17.9 -0.95 - 4.8 2.7/12.2	1425	1999 BP ₁	2000 08 11.5	21 26.54 -20 42.2 17.7 -1.09 - 3.9 2.4/10.2	2002
(9871)	2000 08 10.4	21 22.44 -20 41.0 15.8 -1.07 - 2.1 2.2/09.3	33462	1998 DQ ₁₅	2000 08 11.5	21 26.54 -02 36.3 18.5 -0.71 - 4.3 3.5/15.2	35436
1988 FN	2000 08 10.5	21 22.38 -28 29.3 18.0 -1.34 + 2.4 4.7/08.4	35059	(10218)	2000 08 11.6	21 26.57 -19 44.8 17.8 -1.02 - 3.6 1.9/10.5	33910
1999 CK ₆₆	2000 08 10.5	21 22.49 -08 59.4 17.1 -0.97 - 3.1 3.0/12.1	34249	(10967)	2000 08 11.6	21 26.58 -08 55.5 15.0 -0.61 -10.2 2.9/13.7	1403
1996 TG ₁₂	2000 08 10.5	21 22.49 +01 26.5 17.7 -0.89 - 1.7 6.6/14.6	2624	1998 YB ₂	2000 08 11.6	21 26.75 -14 11.3 18.8 -1.07 - 2.5 0.4/11.8	34035
1996 PC ₃	2000 08 10.5	21 22.58 -26 36.5 19.3 -1.42 + 2.8 4.2/08.6	2623	3109 P-L	2000 08 11.7	21 27.17 -05 39.5 17.8 -0.87 - 0.7 3.2/13.9	14628
1997 UR ₆	2000 08 10.5	21 22.58 -18 25.5 19.7 -0.97 - 4.3 1.1/09.8	35305	1999 JQ ₂₁	2000 08 11.7	21 27.19 +20 58.4 17.1 -0.73 - 2.5 12.6/24.2	2046
1992 ED ₄	2000 08 10.5	21 22.70 -16 57.1 18.6 -0.74 - 3.9 0.4/10.1	38026	1992 EM ₁₇	2000 08 11.8	21 27.51 -16 43.0 16.8 -0.95 - 7.0 0.7/11.4	2616
1995 SE ₁₇	2000 08 10.5	21 22.71 -15 50.7 19.2 -0.76 - 3.5 0.1/10.4	34293	2000 MA ₂	2000 08 11.8	21 27.56 -14 00.1 16.4 -0.95 - 0.8 0.5/12.1	2572
1993 FZ ₁₄	2000 08 10.5	21 22.75 -15 06.7 18.2 -0.74 - 5.3 0.1/10.7	35603	1999 LD ₅	2000 08 11.9	21 27.66 -20 14.5 18.4 -0.84 - 9.7 1.8/10.2	2057
1993 FM ₃₄	2000 08 10.5	21 22.83 -25 31.4 17.2 -0.80 - 4.3 3.6/07.8	34846	(10516)	2000 08 11.9	21 27.68 -20 32.6 15.5 -0.88 - 4.9 2.7/10.4	2611
1994 AY ₅	2000 08 10.5	21 22.83 -07 32.3 19.5 -1.04 + 0.7 3.2/12.1	31237	1999 JV ₂₅	2000 08 11.9	21 27.77 -08 10.4 17.1 -0.78 - 4.0 2.4/13.8	1445
2000 MT ₅	2000 08 10.6	21 22.83 -11 58.3 15.8 -0.73 -25.1 1.5/12.0	2573	1999 CW ₄	2000 08 11.9	21 28.03 -13 56.2 18.2 -0.95 - 4.7 0.4/12.2	35732
1999 JZ ₄₃	2000 08 10.6	21 22.86 -05 01.4 16.8 -0.83 - 1.1 3.7/13.1	2647	1998 FK ₆₆	2000 08 11.9	21 28.06 -16 08.0 19.1 -0.78 - 3.7 0.3/11.7	1936
(16020)	2000 08 10.6	21 22.87 -08 48.0 16.6 -0.81 - 7.7 3.2/12.6	1765	1999 JF ₉₁	2000 08 12.0	21 28.19 -12 25.7 16.7 -0.69 - 8.9 0.8/12.9	2648
1990 VR ₆	2000 08 10.6	21 22.93 -15 46.7 17.3 -0.93 - 7.7 0.2/10.5	35601	1981 EZ ₃₃	2000 08 12.0	21 28.21 -09 35.4 18.4 -0.77 - 3.1 1.6/13.4	25972
(11234)	2000 08 10.6	21 22.95 -24 10.6 16.2 -0.86 - 8.3 3.1/07.9	2611	1999 JU ₇₅	2000 08 12.0	21 28.45 -18 15.2 17.3 -0.93 - 1.9 1.1/11.3	2648

(10229)	2000 08 12.0	21 28.46	-28 37.6	16.1	-1.00	- 3.8	6.2/08.5	33913	(10679)	2000 08 13.0	21 31.92	-20 25.6	18.3	-0.77	- 6.5	1.7/11.3	2611
1999 JW ₃₄	2000 08 12.0	21 28.48	-32 40.5	17.6	-0.92	- 2.7	5.6/07.3	35366	1981 EN ₁₁	2000 08 13.0	21 31.97	-17 34.9	22.0	-1.06	- 3.6	1.0/12.3	26917
1997 SL ₃	2000 08 12.1	21 28.45	-21 13.6	18.5	-1.10	- 1.4	3.1/10.7	2628	2000 LK ₂₇	2000 08 13.0	21 32.08	-12 11.8	17.8	-0.99	- 2.6	0.9/13.6	2566
1992 AY	2000 08 12.1	21 28.48	-28 18.7	18.1	-0.78	- 5.7	3.5/08.0	35421	4616 P-L	2000 08 13.0	21 32.23	-14 47.3	17.9	-0.85	- 5.7	0.1/13.0	2582
2000 LV ₂₈	2000 08 12.1	21 28.50	-11 10.4	16.9	-0.79	- 6.4	1.5/13.2	2567	1999 GY ₈	2000 08 13.0	21 32.25	-15 24.5	18.2	-0.80	- 5.6	0.3/12.9	2037
1998 FE ₆₁	2000 08 12.1	21 28.68	-06 14.5	19.8	-0.69	- 4.4	2.2/14.7	32066	1992 UB ₃	2000 08 13.1	21 32.34	-38 17.9	16.3	-1.05	- 2.8	9.3/06.3	35064
(11221)	2000 08 12.2	21 28.89	-35 09.0	16.4	-0.88	- 3.1	6.7/06.5	35268	(15695)	2000 08 13.1	21 32.45	-20 20.3	16.8	-0.98	- 5.0	2.6/11.6	1677
1997 YX ₁	2000 08 12.2	21 28.92	-17 43.0	18.8	-0.91	- 5.2	0.9/11.4	35074	(10545)	2000 08 13.1	21 32.62	-10 44.7	17.0	-0.99	- 5.6	1.6/14.2	34448
1993 HV ₁	2000 08 12.2	21 29.00	-55 55.0	18.9	-1.28	+ 0.6	13.4/31.1	26191	1999 JX ₇₀	2000 08 13.2	21 32.76	-08 38.2	18.2	-0.84	- 6.4	2.0/15.0	2051
(11218)	2000 08 12.2	21 29.02	-08 40.3	17.6	-0.79	- 3.5	1.9/13.9	35267	(10816)	2000 08 13.2	21 32.82	-16 21.4	16.8	-0.76	- 4.7	0.6/12.7	34774
(15907)	2000 08 12.2	21 29.16	-04 43.4	17.7	-0.86	- 6.1	4.8/15.2	1734	(15935)	2000 08 13.2	21 32.88	-09 19.9	17.0	-0.88	- 3.1	2.1/14.6	1742
6750 P-L	2000 08 12.2	21 29.26	-19 44.9	18.7	-1.01	- 3.9	1.9/11.1	34566	1997 YB ₁₄	2000 08 13.2	21 32.91	-23 27.0	19.3	-0.91	- 8.7	3.0/10.5	2631
(11216)	2000 08 12.3	21 29.19	-15 25.7	16.5	-0.99	- 6.1	0.3/12.1	35267	1997 VE ₆	2000 08 13.2	21 32.91	-12 26.5	17.2	-0.93	- 4.2	1.0/13.8	2629
(11226)	2000 08 12.3	21 29.43	-00 21.0	17.3	-0.74	- 4.5	4.7/16.6	35270	1998 XO ₆₂	2000 08 13.3	21 33.02	-34 15.4	18.2	-1.82	+ 7.0	9.9/10.9	34033
1999 JB ₉₈	2000 08 12.3	21 29.43	-23 12.5	17.6	-0.94	- 9.1	3.0/09.7	2054	(11072)	2000 08 13.3	21 33.17	+00 12.8	16.3	-0.83	- 9.4	6.0/18.3	1403
6099 P-L	2000 08 12.3	21 29.56	-20 59.5	17.6	-0.99	- 1.6	2.7/10.9	2801	(16337)	2000 08 13.3	21 33.28	+01 23.6	17.7	-0.75	- 2.9	4.9/17.8	1854
1997 YL ₁₈	2000 08 12.4	21 29.76	-13 33.9	18.6	-0.87	- 4.5	0.4/12.8	35433	1998 DK ₃₄	2000 08 13.3	21 33.31	-14 56.5	18.9	-0.74	- 3.8	0.1/13.3	38775
1999 JN ₃₂	2000 08 12.4	21 29.78	+01 51.7	18.2	-0.73	- 4.8	5.4/17.5	2047	3010 P-L	2000 08 13.3	21 33.37	+04 59.9	17.3	-0.76	- 3.7	7.0/19.1	2801
1992 EO ₅	2000 08 12.4	21 29.84	-18 53.2	16.6	-0.81	-10.3	1.9/11.1	33933	2763 P-L	2000 08 13.4	21 33.35	-16 43.8	18.6	-0.80	- 4.3	0.7/12.8	31824
(11039)	2000 08 12.4	21 29.84	-15 49.1	16.9	-0.84	- 3.4	0.4/12.2	35222	(15910)	2000 08 13.4	21 33.63	-04 26.4	16.7	-0.91	- 6.3	4.5/16.4	1735
(10276)	2000 08 12.4	21 29.90	-10 00.6	16.4	-0.80	- 6.0	2.4/13.9	34130	1997 VA ₅	2000 08 13.4	21 33.71	-27 16.7	18.0	-1.07	- 5.4	5.4/09.9	2629
1999 JO ₁₀₀	2000 08 12.4	21 29.99	-20 13.1	18.8	-0.74	- 5.9	1.5/10.9	2054	(15775)	2000 08 13.5	21 33.69	-14 55.2	15.6	-0.86	- 3.4	0.2/13.4	1698
1996 JN	2000 08 12.4	21 29.99	-21 45.2	17.6	-1.01	- 6.1	2.7/10.6	2623	(16312)	2000 08 13.5	21 33.83	-07 16.4	18.4	-0.81	- 5.0	2.6/15.6	1847
1996 PJ ₁	2000 08 12.4	21 30.01	-14 38.0	19.2	-0.91	- 4.5	0.1/12.5	31110	4790 P-L	2000 08 13.5	21 33.88	-16 33.8	19.3	-0.89	- 3.6	0.8/13.0	28312
1999 AB ₅	2000 08 12.5	21 30.00	-23 00.1	17.3	-0.99	- 6.6	3.3/10.2	2640	1999 JD ₄₈	2000 08 13.5	21 33.93	+04 16.7	17.4	-0.88	- 2.7	6.2/18.5	2647
1997 YU ₇	2000 08 12.5	21 30.04	-17 12.4	17.9	-0.94	- 5.6	1.0/11.9	1929	1996 HL ₂₅	2000 08 13.5	21 33.93	-15 41.7	17.4	-0.96	- 5.5	0.5/13.2	2623
1998 BB ₄₄	2000 08 12.5	21 30.04	-26 24.8	18.8	-0.86	- 5.3	3.5/09.1	36078	1999 JX ₂₆	2000 08 13.5	21 33.94	-19 15.5	16.9	-0.84	- 4.3	1.7/12.2	2647
1999 GC ₃₄	2000 08 12.5	21 30.15	-15 47.2	18.3	-1.03	- 3.3	0.4/12.3	2040	1992 RE	2000 08 13.5	21 34.05	-39 46.2	16.7	-1.06	-22.2	11.4/02.5	1878
1998 BW ₆	2000 08 12.5	21 30.17	-16 39.0	18.5	-0.78	- 3.6	0.5/12.0	2631	1981 ES ₃	2000 08 13.5	21 34.05	-09 18.6	17.3	-1.02	+ 0.7	2.1/14.6	1860
1995 WG ₇	2000 08 12.5	21 30.17	+15 11.1	16.4	-0.78	- 0.2	11.0/20.6	2621	1999 FP ₁₇	2000 08 13.5	21 34.07	-13 05.7	17.0	-0.86	- 4.8	0.5/14.0	2644
1999 JT ₁₁₅	2000 08 12.5	21 30.31	+08 45.7	18.0	-0.74	- 3.3	7.4/19.6	2055	1999 CA ₁₀	2000 08 13.5	21 34.09	-15 59.9	19.4	-0.95	- 5.7	0.5/13.2	34602
1996 RQ ₁₁	2000 08 12.6	21 30.31	-17 57.7	16.9	-0.89	- 4.1	1.3/11.8	2624	1999 GG ₉	2000 08 13.6	21 34.19	-21 17.4	18.2	-0.93	- 4.9	2.3/11.7	2037
(15794)	2000 08 12.6	21 30.38	-21 24.4	17.0	-0.97	- 4.9	2.8/10.8	1703	2000 LG ₂₇	2000 08 13.6	21 34.35	-14 06.6	17.5	-0.88	- 0.8	0.1/13.7	2565
1998 DL ₄	2000 08 12.6	21 30.45	-12 29.7	19.0	-0.89	- 1.3	0.7/13.2	32059	1999 GF ₅	2000 08 13.6	21 34.44	-37 55.1	18.5	-1.10	- 8.9	7.7/06.0	35091
1998 DJ ₁₄	2000 08 12.6	21 30.51	-15 28.3	17.2	-0.81	-10.2	0.3/12.4	2632	1996 TS ₃₂	2000 08 13.6	21 34.45	+04 50.6	17.7	-0.81	- 5.8	6.6/19.7	2624
1990 QR ₇	2000 08 12.6	21 30.66	-17 50.0	17.9	-0.99	- 3.4	1.5/11.9	34490	2000 MU ₅	2000 08 13.6	21 34.51	+06 31.1	16.9	-0.82	0.0	6.0/18.9	2573
1999 EJ	2000 08 12.6	21 30.70	-15 00.1	17.6	-0.88	- 3.1	0.1/12.6	2644	1999 EE ₆	2000 08 13.7	21 34.46	-23 58.3	18.9	-1.06	- 3.4	3.6/11.3	35085
1999 JS ₁₂₄	2000 08 12.7	21 30.68	-23 53.3	18.3	-0.80	- 3.9	2.8/10.2	2648	1988 BT ₃	2000 08 13.7	21 34.54	-12 27.7	17.5	-0.94	- 7.4	0.8/14.3	2613
1996 TJ ₇	2000 08 12.7	21 30.88	-08 20.9	18.8	-0.83	- 5.0	2.3/14.5	35697	1996 XY ₁₂	2000 08 13.7	21 34.80	-30 22.6	19.8	-0.86	- 5.4	5.1/08.9	30786
1994 CA ₅	2000 08 12.8	21 31.05	-15 40.8	16.6	-0.92	- 1.7	0.4/12.6	2618	(15732)	2000 08 13.7	21 34.86	-19 25.1	16.7	-0.73	- 6.7	1.6/12.2	1687
1999 JB ₅₀	2000 08 12.8	21 31.06	-28 51.9	18.3	-0.89	- 5.0	4.4/08.7	2647	1995 AM	2000 08 13.8	21 34.82	-22 29.5	16.4	-0.45	-12.0	4.8/10.5	2620
(15933)	2000 08 12.8	21 31.08	-17 15.5	17.3	-1.01	- 5.0	1.0/12.1	1741	(16022)	2000 08 13.8	21 34.92	-17 35.8	17.7	-1.00	- 3.8	1.4/13.0	1766
1999 JL ₉₄	2000 08 12.8	21 31.08	-29 28.0	17.5	-0.78	- 7.4	4.5/08.0	1445	1998 DY ₂₃	2000 08 13.9	21 35.36	-13 19.9	19.0	-0.74	- 7.0	0.3/14.3	2632
1990 QK ₇	2000 08 12.8	21 31.17	-10 21.7	17.6	-0.74	- 6.6	1.3/14.1	35060	2000 NX ₁₇	2000 08 13.9	21 35.38	-18 29.9	16.5	-1.15	+ 3.8	2.0/13.3	2577
1998 DN ₄	2000 08 12.8	21 31.25	-08 46.9	18.4	-0.79	- 6.5	1.8/14.6	35435	1997 CH ₂₈	2000 08 13.9	21 35.55	-13 15.4	17.7	-0.79	- 1.9	0.3/14.3	2625
1995 QP ₁₀	2000 08 12.8	21 31.33	-07 30.2	18.3	-0.70	- 6.2	2.0/15.1	38765	1999 LU ₆	2000 08 13.9	21 35.56	-15 19.4	19.0	-0.72	-10.5	0.3/13.6	2649
1996 XV	2000 08 12.8	21 31.40	-16 48.2	19.0	-0.77	- 3.7	0.6/12.3	2624	1997 YH ₁₄	2000 08 13.9	21 35.57	-14 24.3	18.4	-0.81	- 3.7	0.0/14.0	2631
1999 JT ₄₁	2000 08 12.8	21 31.49	-11 29.8	17.7	-0.85	- 5.5	1.1/13.8	2647	1996 XU ₁₈	2000 08 13.9	21 35.58	-15 25.4	18.0	-0.75	- 4.2	0.3/13.7	2625
1998 DP ₂₃	2000 08 12.9	21 31.47	-13 50.3	17.8	-0.88	- 1.0	0.3/13.1	2632	1999 FF ₉	2000 08 13.9	21 35.58	-23 09.7	17.4	-1.01	- 5.8	3.2/11.5	2644
3212 T-2	2000 08 12.9	21 31.55	-09 10.4	18.1	-0.85	- 7.4	2.3/14.6	31295	(10891)	2000 08 13.9	21 35.63	-07 25.6	18.7	-0.94	- 6.3	2.8/15.9	34794
(10876)	2000 08 12.9	21 31.57	-13 04.7	17.0	-0.82	- 3.9	0.5/13.4	34790	1995 TW	2000 08 14.0	21 35.75	+21 11.3	20.1	-0.80	- 0.8	11.0/24.3	26568

(16053)	2000 08 14.0	21 35.97	-12 37.6	18.5	-0.82	- 4.0	0.6/14.5	1774	(10581)	2000 08 15.0	21 39.33	-10 16.5	18.9	-0.73	- 6.8	1.1/16.2	34458
(15843)	2000 08 14.0	21 35.98	-05 32.3	16.4	-0.93	0.0	3.3/16.1	1716	1999 JJ ₁₀₅	2000 08 15.0	21 39.55	-02 40.2	17.2	-0.69	- 6.2	4.0/18.6	2648
1999 JS ₈₉	2000 08 14.1	21 36.03	-12 26.8	18.0	-0.72	- 7.9	0.6/14.7	2053	1997 YZ ₈	2000 08 15.0	21 39.58	-19 55.7	18.4	-0.94	- 6.2	2.1/13.3	2630
1993 FB ₉	2000 08 14.1	21 36.23	-19 33.0	15.9	-0.77	- 4.3	1.9/12.7	2617	1999 FY ₂₀	2000 08 15.0	21 39.59	-18 25.0	18.3	-0.89	- 5.3	1.7/13.8	2028
1992 DA ₁₂	2000 08 14.1	21 36.23	-13 46.7	19.0	-0.99	- 5.0	0.2/14.3	2616	1998 HB ₈₄	2000 08 15.0	21 39.63	-03 48.9	18.6	-0.70	- 5.1	2.7/18.1	32268
1999 CX ₁₄	2000 08 14.1	21 36.28	-19 21.9	15.4	-1.03	- 1.1	2.5/13.0	2642	2000 MD ₅	2000 08 15.0	21 39.66	-20 18.9	16.1	-0.74	- 7.9	2.7/13.0	2573
1999 JT ₃₇	2000 08 14.2	21 36.47	-22 02.9	18.3	-0.90	- 3.2	2.5/12.2	2047	(10457)	2000 08 15.0	21 39.70	-18 20.2	15.8	-0.86	- 2.7	2.2/13.9	2611
(11319)	2000 08 14.2	21 36.54	-13 07.4	17.0	-0.95	- 4.6	0.4/14.5	2611	1996 DR	2000 08 15.1	21 39.69	-10 21.4	16.0	-0.93	-10.2	1.5/16.3	2622
1999 KK ₄	2000 08 14.2	21 36.58	-04 53.6	18.4	-0.70	- 5.6	2.8/17.1	36543	(15729)	2000 08 15.2	21 40.22	-10 13.0	17.4	-1.03	- 3.7	1.6/16.0	1686
1999 CE ₉₇	2000 08 14.2	21 36.68	-15 24.9	17.8	-0.88	- 5.8	0.5/13.9	2643	1993 VS ₁	2000 08 15.2	21 40.25	-10 44.9	16.7	-0.99	- 3.8	1.4/16.0	2618
1998 FH ₁₀	2000 08 14.2	21 36.78	-37 12.2	18.7	-1.02	+ 0.1	6.3/08.6	32063	1999 JD	2000 08 15.2	21 40.30	-37 33.7	17.7	-1.10	- 2.4	8.9/09.0	39303
1999 CW ₇₆	2000 08 14.3	21 36.75	-08 40.7	17.5	-1.06	- 2.4	2.4/15.6	2016	1998 BT	2000 08 15.2	21 40.47	-24 43.7	17.3	-0.80	- 6.3	3.4/11.9	2631
1999 JG ₉₉	2000 08 14.3	21 36.79	+04 51.5	17.3	-0.78	- 7.4	6.7/20.4	2648	(15920)	2000 08 15.2	21 40.51	-04 54.1	14.7	-0.83	- 1.5	5.0/17.6	1738
(11038)	2000 08 14.3	21 36.98	-23 37.3	16.9	-1.12	- 2.6	3.9/12.1	35221	1979 UR	2000 08 15.3	21 40.62	-23 05.5	16.7	-0.96	- 2.3	3.8/13.0	2612
1999 JC ₄₂	2000 08 14.3	21 37.00	-12 48.2	17.7	-0.81	- 4.8	0.5/14.8	2647	1987 SX ₁₀	2000 08 15.3	21 40.70	-27 34.3	18.4	-0.95	- 3.6	4.8/11.6	2613
(10665)	2000 08 14.3	21 37.09	-02 26.7	16.3	-0.73	- 6.8	4.7/18.1	34479	3188 T-1	2000 08 15.3	21 40.77	+14 28.2	18.7	-0.69	- 9.4	8.6/26.6	2802
1997 RH ₄	2000 08 14.4	21 37.13	-25 08.5	18.9	-1.21	- 3.3	5.3/11.6	30904	1997 WB ₃₉	2000 08 15.4	21 40.82	-25 36.5	16.0	-0.93	- 4.2	5.7/12.1	1927
1995 QB ₁	2000 08 14.4	21 37.13	-11 59.2	19.5	-0.75	- 4.0	0.6/15.0	32052	(16006)	2000 08 15.4	21 40.84	-10 49.8	17.2	-0.90	- 5.8	1.4/16.3	1762
(11175)	2000 08 14.4	21 37.33	-06 27.4	18.2	-0.60	- 4.5	2.0/16.8	35257	(15753)	2000 08 15.4	21 40.85	-07 07.4	17.3	-0.72	- 4.2	2.2/17.4	1693
(16048)	2000 08 14.4	21 37.35	-15 31.9	18.0	-0.80	- 3.9	0.4/14.1	1773	1999 KQ ₁₄	2000 08 15.4	21 40.92	-36 32.8	18.1	-0.84	- 4.7	6.0/08.3	35471
(15872)	2000 08 14.4	21 37.48	-14 08.7	17.8	-0.86	- 5.4	0.0/14.5	1724	1997 AU ₁₉	2000 08 15.4	21 40.99	-10 26.3	19.8	-0.79	- 3.1	1.1/16.4	30786
1997 YK ₅	2000 08 14.5	21 37.70	-33 18.8	17.0	-0.92	- 7.7	6.7/08.2	1425	1999 GK ₁₇	2000 08 15.4	21 40.99	-15 31.2	17.6	-0.93	- 7.0	0.6/15.0	2646
1998 CJ ₄	2000 08 14.5	21 37.82	-15 26.2	16.8	-1.01	- 1.2	0.4/14.3	2631	1986 PT ₁	2000 08 15.4	21 41.08	-16 17.4	16.2	-0.76	- 8.3	1.2/14.7	1864
1999 HU ₉	2000 08 14.6	21 37.88	-18 25.3	18.1	-1.00	- 3.8	1.6/13.5	35356	1999 CD ₄₇	2000 08 15.4	21 41.27	-21 51.6	17.4	-1.08	- 2.0	3.4/13.6	34543
1999 JF ₂₁	2000 08 14.6	21 37.88	-01 39.0	15.8	-0.80	- 3.7	5.5/18.0	2046	1995 DS ₈	2000 08 15.5	21 41.25	-16 26.4	18.8	-0.96	- 4.2	0.9/14.8	1897
1998 AX ₇	2000 08 14.6	21 37.95	-28 00.5	17.7	-0.91	- 7.4	4.5/10.3	34891	1999 JH ₁₀₀	2000 08 15.5	21 41.37	+08 59.5	18.0	-0.66	- 6.9	6.5/23.5	1446
(15718)	2000 08 14.6	21 38.20	-08 24.7	17.2	-0.96	- 1.4	1.9/16.0	1683	1998 BG ₃₀	2000 08 15.5	21 41.54	-13 26.3	18.2	-0.92	- 7.7	9.4/27.0	34897
(11620)	2000 08 14.6	21 38.28	-01 55.8	17.1	-1.01	+ 0.9	4.9/17.4	35863	(10769)	2000 08 15.5	21 41.59	-05 50.7	16.6	-0.71	- 6.6	2.7/18.1	1403
1997 XN ₁₀	2000 08 14.6	21 38.28	-19 08.7	18.9	-0.97	- 5.1	1.8/13.3	619	1998 DZ ₂₃	2000 08 15.6	21 41.56	-02 57.3	18.5	-0.78	- 4.8	3.2/18.8	35436
1999 KZ ₁	2000 08 14.7	21 38.22	-15 44.9	18.5	-0.79	- 4.3	0.6/14.2	2649	1999 JD ₂₃	2000 08 15.6	21 41.57	-31 21.1	17.1	-0.90	- 2.9	6.0/10.7	36542
1999 FF ₂₇	2000 08 14.7	21 38.22	-15 41.6	17.9	-0.96	- 6.9	0.6/14.3	2030	1992 EG ₄	2000 08 15.6	21 41.66	-18 00.9	19.3	-0.76	- 4.0	1.2/14.4	32304
(10484)	2000 08 14.7	21 38.45	-04 14.2	16.9	-0.97	- 3.8	3.9/17.3	34432	1999 FB ₃₀	2000 08 15.7	21 42.05	-19 17.3	19.0	-1.01	- 5.8	2.2/14.2	2645
(10877)	2000 08 14.7	21 38.48	-05 52.1	16.4	-0.81	- 5.7	3.2/17.2	34790	(10954)	2000 08 15.7	21 42.10	-11 55.5	17.4	-0.79	- 4.3	0.6/16.3	34811
1981 ER ₂₆	2000 08 14.7	21 38.48	-23 37.8	18.3	-1.08	- 2.1	3.9/12.5	2612	1999 CQ ₇₄	2000 08 15.7	21 42.24	-07 01.1	17.6	-1.00	- 1.5	2.6/17.4	2015
1999 FW ₂₉	2000 08 14.7	21 38.49	-20 42.7	17.6	-1.02	- 6.6	2.6/12.9	35445	(15904)	2000 08 15.8	21 42.32	-07 54.4	16.8	-1.01	- 5.0	2.5/17.4	1733
1998 YJ ₅	2000 08 14.7	21 38.55	-40 28.3	17.3	-1.08	- 3.2	9.5/07.2	35442	1999 CO ₄₃	2000 08 15.8	21 42.39	-20 51.7	17.9	-1.06	- 3.8	2.9/14.0	2642
1999 JE ₂₆	2000 08 14.7	21 38.60	+08 07.9	18.3	-0.81	- 5.1	7.4/21.7	35454	1999 GH ₃₄	2000 08 15.8	21 42.44	-06 59.9	19.2	-0.87	- 5.2	2.3/17.8	2646
(15955)	2000 08 14.7	21 38.60	-09 31.7	17.6	-0.83	- 3.8	1.5/16.0	1747	1994 GX ₁₀	2000 08 15.8	21 42.61	-24 52.6	19.3	-0.86	- 3.8	3.2/12.8	35690
1999 JX ₁₀₉	2000 08 14.8	21 38.59	-15 58.6	18.2	-0.82	- 5.0	0.6/14.3	2648	(11743)	2000 08 15.8	21 42.62	-16 52.9	17.7	-0.98	- 6.2	1.2/15.0	35896
1996 TZ ₄₇	2000 08 14.8	21 38.72	-11 50.1	17.5	-0.86	- 4.7	0.9/16.0	1911	1995 UX ₆	2000 08 15.9	21 42.91	-17 08.6	18.4	-0.79	- 3.8	1.2/15.0	2621
1999 JA ₁₃₆	2000 08 14.8	21 38.75	-01 19.0	17.9	-0.92	- 3.7	4.2/18.3	2649	(15723)	2000 08 15.9	21 43.02	-15 29.4	16.0	-0.98	- 4.0	0.8/15.5	1685
1998 HO ₃₂	2000 08 14.8	21 38.82	+04 43.6	18.7	-0.69	- 5.3	5.0/20.8	32327	(15976)	2000 08 15.9	21 43.05	-18 52.5	17.0	-0.91	- 1.1	1.8/14.7	1753
1997 WO ₁	2000 08 14.8	21 38.89	-11 58.3	18.6	-0.94	- 4.6	0.7/15.4	34878	1997 AZ ₁	2000 08 16.0	21 43.15	-19 50.9	17.5	-0.81	- 2.8	1.8/14.3	2625
1999 LS ₁₅	2000 08 14.8	21 38.89	-09 11.1	17.6	-0.68	- 8.6	1.3/16.5	36381	1981 EA ₄₇	2000 08 16.0	21 43.26	-19 28.1	18.7	-1.08	- 1.8	2.6/14.7	26923
1981 EC ₃₁	2000 08 14.8	21 38.94	-27 08.2	19.2	-1.03	- 1.2	4.3/11.7	31096	(11355)	2000 08 16.0	21 43.41	-22 36.1	16.9	-0.84	- 5.9	3.2/13.4	1403
1990 UC ₅	2000 08 14.8	21 39.00	-17 14.7	17.8	-0.95	- 6.8	1.2/14.0	2615	1999 JH ₁₅	2000 08 16.0	21 43.47	-25 33.0	18.2	-0.76	- 7.4	3.4/12.2	2647
1999 GK ₂₀	2000 08 14.9	21 38.97	-16 57.5	16.3	-0.83	- 6.5	1.2/14.0	2038	1999 FN	2000 08 16.1	21 43.44	+03 41.1	18.4	-0.79	- 6.8	5.8/21.8	2026
2000 LQ ₂₆	2000 08 14.9	21 39.00	-12 39.3	15.4	-0.81	- 8.9	0.6/15.4	2565	(16051)	2000 08 16.1	21 43.45	-13 33.3	17.6	-0.82	- 5.8	0.0/16.1	1773
1999 JH ₂₁	2000 08 14.9	21 39.31	+02 52.6	18.6	-0.81	- 4.3	5.4/20.0	35360	(16034)	2000 08 16.1	21 43.75	-12 46.2	16.3	-0.97	- 2.1	0.4/16.4	1769
1981 ER ₃₂	2000 08 14.9	21 39.35	-07 39.5	19.8	-0.76	- 6.4	1.9/16.9	26921	1998 BW ₈	2000 08 16.1	21 43.78	-19 58.3	18.6	-0.80	- 3.0	1.9/14.4	2631
1999 DB ₁	2000 08 14.9	21 39.36	-09 32.6	17.1	-0.93	- 5.0	2.1/16.2	2643	4333 T-1	2000 08 16.2	21 43.87	-16 13.7	18.0	-0.76	- 4.3	0.7/15.5	23533

1995 FN	2000 08 16.2	21 43.90	-32 34.8	17.4	-1.13	0.0	7.2/12.0	34583	1997 YE ₈	2000 08 17.1	21 47.17	-04 50.8	17.2	-0.80	- 8.0	3.7/19.8	1425
1999 JF ₆₈	2000 08 16.2	21 43.96	-22 47.7	17.4	-0.96	- 8.4	4.0/13.3	2648	1997 YO ₁₆	2000 08 17.1	21 47.28	-09 51.2	19.5	-0.92	- 4.0	1.1/18.1	35704
1998 YW ₁₀	2000 08 16.2	21 44.21	-11 20.5	17.3	-1.07	- 3.6	1.0/16.9	1998	1996 RD ₅	2000 08 17.1	21 47.30	-11 34.6	18.7	-0.84	- 5.8	0.6/17.7	2624
1985 RP ₄	2000 08 16.3	21 44.17	-14 35.8	16.0	-0.71	- 7.6	0.5/16.0	2613	1993 FY ₁₄	2000 08 17.1	21 47.36	-29 37.4	18.5	-0.88	- 3.0	4.8/12.5	145
1989 AR ₅	2000 08 16.3	21 44.25	-16 00.1	17.7	-0.84	- 6.1	0.9/15.6	2613	1998 BE ₁₅	2000 08 17.2	21 47.59	-20 41.0	17.9	-0.83	- 8.9	2.5/14.8	2631
(11134)	2000 08 16.3	21 44.37	-11 47.2	17.6	-0.79	- 4.6	0.6/16.9	35246	1999 FP ₁₀	2000 08 17.2	21 47.60	-13 11.9	18.0	-0.94	- 6.7	0.0/17.3	2027
1996 TW ₈	2000 08 16.3	21 44.38	+10 44.8	17.0	-1.01	+ 1.6	8.5/21.8	2624	3189 T-2	2000 08 17.2	21 47.62	-23 54.4	19.5	-1.02	- 3.5	4.3/14.3	22701
1998 BH ₁₂	2000 08 16.3	21 44.50	-25 45.7	18.0	-0.87	-10.2	4.4/12.2	2631	1997 BV ₄	2000 08 17.2	21 47.68	-27 49.9	19.4	-0.89	- 1.1	3.7/13.5	2625
1996 XW	2000 08 16.4	21 44.57	-30 38.8	18.0	-0.87	- 4.4	5.2/11.2	31734	1999 JB ₁₀₈	2000 08 17.3	21 48.10	-23 10.5	17.0	-0.82	- 3.2	3.4/14.6	2648
(15712)	2000 08 16.4	21 44.57	-22 58.3	16.3	-0.93	+ 0.7	3.6/14.3	1682	1994 AE	2000 08 17.3	21 48.18	-16 45.7	17.4	-0.90	- 7.7	1.5/16.3	1888
1999 JD ₈₃	2000 08 16.4	21 44.58	-11 35.0	19.1	-0.73	- 6.1	0.6/17.0	2052	(16007)	2000 08 17.3	21 48.19	-13 29.8	16.1	-1.09	- 0.9	0.1/17.3	1762
1978 WT ₁	2000 08 16.4	21 44.67	-22 37.1	18.7	-1.00	- 3.9	3.2/14.0	1858	1997 YP ₁₆	2000 08 17.3	21 48.25	-07 53.4	18.5	-0.89	- 3.4	1.8/18.8	1930
1996 RW	2000 08 16.4	21 44.68	-10 24.7	18.5	-0.91	- 4.3	1.1/17.3	2624	1981 EQ ₃₅	2000 08 17.4	21 48.54	-13 20.1	21.0	-0.86	- 4.9	0.0/17.4	26921
1999 JZ ₉₅	2000 08 16.4	21 44.71	-24 57.1	17.6	-0.84	- 9.5	4.1/12.5	2054	(10424)	2000 08 17.4	21 48.61	-15 31.7	17.6	-1.00	- 4.2	0.9/16.9	34165
1999 JF ₁₉	2000 08 16.4	21 44.72	-19 07.1	18.6	-0.94	- 3.8	1.9/14.9	2647	1984 SB ₂	2000 08 17.4	21 48.70	+27 16.7	17.0	-0.73	- 7.4	15.7/03.8	2613
1988 CZ ₂	2000 08 16.5	21 44.94	-15 25.9	19.3	-0.95	- 6.2	0.7/16.0	34575	(15754)	2000 08 17.5	21 48.91	-24 16.5	16.2	-0.99	- 4.9	4.8/14.5	1693
(15801)	2000 08 16.5	21 44.96	-07 01.3	17.2	-0.93	- 4.3	2.7/18.3	1705	1981 EH ₃₀	2000 08 17.5	21 48.92	-07 01.7	20.1	-0.69	- 5.1	1.6/19.5	32212
1997 YV ₆	2000 08 16.5	21 44.97	-00 37.4	18.4	-0.85	- 1.4	3.7/19.9	31796	(10530)	2000 08 17.5	21 48.94	-18 02.2	17.0	-1.00	- 2.8	1.8/16.3	2611
1997 YB ₇	2000 08 16.5	21 45.01	-21 30.7	17.0	-0.84	-11.3	3.6/13.7	2630	(16060)	2000 08 17.5	21 48.96	-24 08.2	16.9	-0.79	- 6.9	3.6/14.0	1776
(15927)	2000 08 16.5	21 45.24	-05 29.4	16.3	-0.96	- 3.3	3.3/18.6	1739	(10914)	2000 08 17.5	21 48.97	-13 46.6	18.4	-0.76	- 3.8	0.2/17.4	34800
1999 CP ₉₉	2000 08 16.5	21 45.28	-17 00.3	17.4	-1.02	- 3.2	1.4/15.7	2643	1997 VA ₉	2000 08 17.6	21 49.15	-07 18.3	19.0	-0.94	- 5.6	2.1/19.3	35432
(15848)	2000 08 16.5	21 45.29	-21 30.4	16.2	-0.78	-12.4	2.5/13.7	1718	(15791)	2000 08 17.6	21 49.37	-18 58.4	17.0	-0.99	- 5.9	2.4/16.0	1703
1981 EQ ₁₅	2000 08 16.5	21 45.32	-03 51.2	19.1	-0.85	- 4.4	3.1/19.3	31780	1997 VF ₆	2000 08 17.7	21 49.40	+05 09.1	17.1	-0.87	- 3.4	6.0/22.9	2629
(10468)	2000 08 16.5	21 45.33	-08 28.0	19.0	-0.96	- 4.4	1.7/17.9	34428	(10373)	2000 08 17.7	21 49.54	-07 56.5	16.7	-0.86	- 8.3	2.5/19.4	34153
1999 JC ₂₂	2000 08 16.5	21 45.33	+10 19.9	16.7	-0.79	- 2.6	10.2/23.6	2047	(10899)	2000 08 17.7	21 49.77	-11 27.4	17.9	-0.96	- 5.8	0.6/18.3	34797
6199 P-L	2000 08 16.5	21 45.38	-07 54.5	17.8	-0.93	- 5.5	2.7/18.2	31294	1993 TP ₁₉	2000 08 17.8	21 49.87	-07 39.6	16.8	-0.86	- 7.8	2.3/19.5	1414
(16049)	2000 08 16.6	21 45.35	-13 23.3	17.4	-0.79	- 5.1	0.0/16.6	1773	1997 SP ₂₄	2000 08 17.8	21 50.07	-15 44.9	18.7	-1.00	- 4.2	1.1/17.2	34204
1999 FG ₃₁	2000 08 16.6	21 45.36	-26 47.2	17.9	-1.03	- 4.5	5.0/12.9	2031	(15748)	2000 08 17.9	21 50.13	-26 57.3	15.8	-0.77	- 6.8	5.9/13.3	1691
1999 JB ₃₂	2000 08 16.6	21 45.38	-16 52.9	17.8	-0.81	- 5.1	1.2/15.6	2647	1979 MZ ₇	2000 08 17.9	21 50.35	-11 17.4	18.2	-0.78	- 7.1	0.9/18.5	30779
1992 DC ₁	2000 08 16.6	21 45.47	-18 55.1	17.7	-0.97	- 7.1	2.0/15.0	2616	1999 JH ₁₈	2000 08 17.9	21 50.40	-10 09.3	18.2	-0.94	- 4.9	1.0/18.8	2647
(15828)	2000 08 16.6	21 45.52	-16 02.1	17.3	-0.91	- 7.8	1.0/15.9	1712	(15876)	2000 08 17.9	21 50.49	-13 56.9	17.1	-0.80	- 5.3	0.3/17.7	1726
(15693)	2000 08 16.6	21 45.59	-19 00.7	16.7	-0.92	- 4.6	2.0/15.1	1677	1981 DA ₂	2000 08 17.9	21 50.51	-07 35.1	18.1	-0.80	- 2.3	1.8/19.5	2612
6230 P-L	2000 08 16.6	21 45.60	-08 44.7	16.6	-0.89	- 2.7	2.4/17.9	2584	(15963)	2000 08 17.9	21 50.55	-10 49.9	16.1	-0.77	-10.6	0.8/18.8	1749
1992 EC ₆	2000 08 16.7	21 45.67	-20 52.4	19.1	-1.06	- 3.9	2.7/14.8	35685	1995 EO ₈	2000 08 18.0	21 50.72	-22 32.7	17.9	-1.01	- 2.9	3.5/15.6	2620
(15943)	2000 08 16.7	21 45.94	-14 17.5	17.7	-0.87	- 1.3	0.3/16.6	1744	1996 RW ₁₀	2000 08 18.0	21 50.90	-15 43.4	20.4	-0.89	- 4.0	1.1/17.3	32953
(10467)	2000 08 16.7	21 46.05	-03 04.3	17.0	-0.79	- 4.8	4.3/19.9	34428	1999 JO ₉₄	2000 08 18.1	21 50.93	-27 06.0	18.3	-0.75	- 8.5	4.5/13.2	2053
(10319)	2000 08 16.7	21 46.08	-23 48.9	16.0	-1.10	+ 0.5	5.1/14.5	34141	1992 RZ ₆	2000 08 18.1	21 50.93	-19 25.2	18.5	-0.91	- 2.8	2.9/16.4	1410
1997 WS ₂₀	2000 08 16.7	21 46.12	-24 01.2	17.6	-0.91	- 6.5	5.1/13.5	2629	1999 CO ₉₈	2000 08 18.1	21 50.93	-16 14.6	18.6	-1.01	- 3.3	1.2/17.3	2019
1993 TP ₃₇	2000 08 16.8	21 46.05	-23 27.9	18.2	-0.97	- 5.7	3.7/13.9	2618	1981 EJ ₂₀	2000 08 18.1	21 51.34	-21 37.9	19.1	-0.97	- 2.3	2.9/16.0	35677
1998 DU ₂	2000 08 16.8	21 46.26	-24 51.0	18.6	-0.96	- 7.4	3.9/13.3	2632	1999 GT ₄	2000 08 18.2	21 51.34	-16 02.5	18.1	-0.80	- 3.9	1.0/17.3	2036
1994 BA ₁	2000 08 16.8	21 46.30	-21 21.1	18.3	-0.98	- 3.0	2.8/14.8	2618	1989 TN	2000 08 18.2	21 51.39	-18 33.2	15.9	-0.81	- 6.2	2.7/16.5	2614
1999 JQ ₁₀₀	2000 08 16.8	21 46.31	-00 28.3	18.8	-0.71	- 5.6	3.7/21.0	35035	1999 JA ₉₆	2000 08 18.2	21 51.42	-16 05.2	17.8	-0.74	- 8.7	1.0/17.2	2648
(15948)	2000 08 16.8	21 46.34	-24 41.3	16.6	-0.92	- 3.4	4.2/13.8	1745	1981 EM ₂₂	2000 08 18.2	21 51.46	-13 37.5	20.2	-1.00	- 4.4	0.2/18.1	26919
1990 VU ₄	2000 08 16.9	21 46.69	-18 09.4	17.6	-0.88	- 8.5	2.2/15.4	2615	2100 T-2	2000 08 18.3	21 51.79	+03 52.8	18.8	-0.69	- 7.0	5.2/24.0	2803
(11223)	2000 08 16.9	21 46.71	-19 46.1	16.6	-0.82	- 3.7	2.2/15.2	35269	1989 VJ	2000 08 18.3	21 51.85	-04 21.3	15.8	-0.92	- 3.9	3.3/20.7	2614
1998 BG ₄₂	2000 08 16.9	21 46.72	-17 02.9	16.3	-1.09	- 3.0	1.7/16.1	2631	1999 JO ₅₈	2000 08 18.3	21 51.86	+07 19.8	18.2	-0.83	- 4.0	6.4/24.4	2647
1996 VW ₂₇	2000 08 17.0	21 46.81	-14 27.6	21.8	-0.77	- 4.2	0.3/16.7	1912	1996 NY ₃	2000 08 18.3	21 52.02	-12 31.3	17.9	-0.81	- 9.5	0.2/18.5	2623
1999 CH ₅₃	2000 08 17.0	21 46.95	-22 42.2	18.6	-1.11	- 3.4	3.7/14.7	2012	1996 VK ₁₇	2000 08 18.4	21 52.06	-16 34.7	20.2	-0.78	- 4.1	1.1/17.4	35697
1996 WU ₁	2000 08 17.0	21 47.02	-25 56.3	18.1	-0.79	- 5.2	3.7/13.2	35071	1997 XW	2000 08 18.4	21 52.08	-07 44.2	17.4	-1.02	- 2.5	2.4/19.7	1928
1994 WX ₄	2000 08 17.0	21 47.12	-24 04.8	18.5	-0.98	- 6.1	3.6/13.9	36515	1994 VC	2000 08 18.4	21 52.22	-13 54.1	16.9	-1.04	- 4.4	0.5/18.2	1416
1994 CC ₁	2000 08 17.0	21 47.15	-01 29.9	18.1	-0.86	- 2.8	3.5/20.3	34853	1998 AK ₃	2000 08 18.4	21 52.27	-15 29.9	17.8	-0.81	- 5.7	0.8/17.7	2631

1992 CZ ₂	2000 08 18.4	21 52.34	-03 51.4	17.6	-0.95	- 5.5	3.9/21.1	1875	1981 ED ₄₇	2000 08 19.5	21 56.50	-13 12.5	20.2	-1.00	- 4.5	0.2/19.4	26923
1999 JT ₄₈	2000 08 18.5	21 52.45	-19 07.9	17.7	-0.87	- 4.0	2.2/16.7	2647	1992 JS ₃	2000 08 19.5	21 56.54	-24 29.0	17.2	-1.04	- 3.8	4.5/16.4	38441
(10712)	2000 08 18.5	21 52.50	-16 09.3	17.3	-0.99	- 4.7	1.2/17.6	34747	1982 UA ₁₁	2000 08 19.6	21 56.45	-09 00.2	17.3	-0.95	- 5.3	1.5/20.6	1405
(16035)	2000 08 18.5	21 52.51	-17 33.6	15.7	-0.78	- 8.0	1.7/17.0	1769	(10949)	2000 08 19.6	21 56.46	+06 06.8	17.3	-0.77	- 6.0	6.5/25.7	34810
1996 RQ ₁₀	2000 08 18.5	21 52.52	-14 49.2	18.8	-0.90	- 4.7	0.8/18.0	1910	1998 FP ₇₃	2000 08 19.6	21 56.76	-15 09.2	18.3	-0.76	- 4.8	0.8/18.9	2633
1999 BF ₇	2000 08 18.5	21 52.57	-22 24.4	16.5	-0.98	- 6.5	3.8/15.7	2641	(15706)	2000 08 19.6	21 56.77	-07 43.6	15.7	-1.03	- 0.4	2.3/20.8	1680
(15678)	2000 08 18.5	21 52.60	-01 37.6	17.6	-0.96	- 3.7	4.6/21.6	1673	(10325)	2000 08 19.7	21 56.94	-19 44.4	17.7	-0.95	- 6.9	2.6/17.5	34142
(15744)	2000 08 18.5	21 52.70	-08 20.6	16.9	-0.88	- 2.9	1.8/19.8	1690	(11194)	2000 08 19.7	21 57.28	-04 26.2	16.5	-0.97	- 5.2	3.2/22.1	35261
1999 GA ₅	2000 08 18.5	21 52.73	-35 46.8	18.8	-1.12	- 1.5	8.0/12.4	2646	1999 HS ₇	2000 08 19.8	21 57.22	-19 04.0	17.8	-0.95	- 4.5	2.3/17.9	1445
1999 DV ₇	2000 08 18.6	21 52.87	-21 51.0	18.2	-1.09	- 2.7	3.3/16.4	38546	(10934)	2000 08 19.8	21 57.35	-16 10.1	17.6	-0.73	- 4.4	1.0/18.7	34806
(16300)	2000 08 18.6	21 52.89	-13 48.5	17.2	-0.74	- 4.8	0.3/18.3	1844	1999 JG ₈₃	2000 08 19.8	21 57.45	-20 44.7	18.0	-0.74	- 6.8	2.5/17.1	2648
1999 GZ ₁₇	2000 08 18.6	21 52.95	-05 19.0	18.2	-0.81	- 9.5	2.5/21.2	34963	1999 DN ₆	2000 08 19.9	21 57.63	-13 10.8	17.9	-0.83	- 7.2	0.2/19.7	2644
1999 CG ₄₉	2000 08 18.6	21 53.10	-21 59.2	18.6	-0.96	- 7.0	3.6/15.9	2011	4310 T-1	2000 08 19.9	21 57.77	-31 14.6	18.3	-1.03	- 2.0	6.0/14.7	32291
1999 FQ ₃₂	2000 08 18.6	21 53.19	-17 50.9	18.8	-0.96	- 4.8	1.7/17.3	2645	1999 ES ₅	2000 08 19.9	21 57.86	-22 55.3	16.3	-0.98	- 0.1	4.9/17.4	2644
1997 UT	2000 08 18.7	21 53.11	-01 31.9	17.8	-0.93	- 5.9	4.8/22.0	2628	1998 BY ₆	2000 08 19.9	21 57.89	-14 19.6	17.1	-0.80	- 6.9	0.7/19.4	1931
1198 T-1	2000 08 18.7	21 53.13	-11 33.8	19.0	-0.77	- 3.2	0.4/19.1	2802	(16008)	2000 08 19.9	21 57.99	-23 04.9	16.4	-0.84	- 7.8	5.3/16.5	1762
1991 PF ₁₁	2000 08 18.7	21 53.25	-03 16.4	16.4	-0.90	- 1.8	3.7/21.2	1409	1998 EU	2000 08 19.9	21 57.99	-04 50.9	18.7	-0.70	- 5.9	2.2/22.4	35318
(10582)	2000 08 18.7	21 53.39	-33 13.9	16.3	-0.87	- 4.0	7.1/12.3	34458	1999 JZ ₁₀₁	2000 08 20.0	21 57.97	-18 20.0	16.2	-0.83	- 5.6	2.3/18.2	2648
1999 LP ₃₀	2000 08 18.8	21 53.82	-17 25.9	18.2	-0.84	- 5.1	1.5/17.5	35393	(15969)	2000 08 20.0	21 58.06	-15 47.4	16.5	-0.72	- 6.6	1.1/18.9	1751
(15942)	2000 08 18.8	21 53.90	-12 07.2	16.6	-0.88	- 7.5	0.3/19.1	1743	(16042)	2000 08 20.0	21 58.18	-10 19.5	16.5	-0.79	- 6.2	0.8/20.7	1771
1997 WJ	2000 08 18.8	21 53.92	-26 22.0	17.8	-1.06	- 5.5	5.4/14.9	2629	(10852)	2000 08 20.0	21 58.21	-19 39.5	17.1	-0.93	- 8.1	2.9/17.8	34784
1995 CQ	2000 08 18.8	21 53.94	-13 27.1	17.7	-1.02	- 3.8	0.2/18.7	35426	1996 US ₃	2000 08 20.0	21 58.38	-18 59.8	20.3	-0.93	- 4.1	2.5/18.2	30785
(10523)	2000 08 18.9	21 53.96	-20 11.4	16.6	-1.04	- 4.3	3.0/16.9	34442	2275 T-2	2000 08 20.1	21 58.32	-10 33.2	18.8	-0.71	- 4.3	0.4/20.7	2804
1996 XD ₆	2000 08 18.9	21 54.07	-35 21.8	18.5	-0.83	- 5.2	6.2/11.4	28871	(11123)	2000 08 20.1	21 58.34	-13 57.2	17.8	-0.88	- 4.2	0.5/19.7	35243
1981 ER ₉	2000 08 18.9	21 54.14	-09 19.9	19.2	-0.75	- 3.0	1.0/19.9	26916	1981 EG ₁₇	2000 08 20.1	21 58.42	+04 10.3	19.4	-0.67	- 6.7	4.1/25.7	32210
(10959)	2000 08 18.9	21 54.28	-18 19.2	17.2	-0.97	- 5.3	2.2/17.4	2611	1998 BL ₃₃	2000 08 20.1	21 58.47	-22 11.7	19.4	-0.72	- 5.8	2.4/17.0	35313
1999 GG ₂₃	2000 08 19.0	21 54.24	-19 40.9	18.5	-0.97	- 3.3	2.6/17.2	2646	1999 JZ ₆₈	2000 08 20.1	21 58.48	-08 20.2	18.9	-0.81	- 5.9	1.3/21.4	35462
1999 JV ₄₆	2000 08 19.0	21 54.31	-13 19.2	18.7	-0.74	- 4.5	0.2/18.8	2049	1992 EE	2000 08 20.1	21 58.50	-17 32.0	17.6	-1.07	- 2.7	2.0/18.8	34288
(16016)	2000 08 19.0	21 54.34	-14 36.3	16.8	-1.01	- 5.2	0.9/18.5	1764	1997 AT ₁	2000 08 20.1	21 58.56	-01 48.8	16.7	-0.79	- 1.7	3.0/23.0	2625
1999 JE ₃₅	2000 08 19.0	21 54.34	-09 21.2	18.1	-0.83	- 4.5	1.1/20.0	2647	1993 SJ ₅	2000 08 20.1	21 58.57	-16 46.0	16.6	-1.05	- 2.6	1.7/19.0	1413
(15973)	2000 08 19.0	21 54.35	-12 45.4	17.8	-0.72	- 6.9	0.0/19.0	1752	1999 CO ₁₁₆	2000 08 20.1	21 58.63	-01 20.4	17.8	-0.92	- 5.5	4.2/23.5	35444
1999 JZ ₁₈	2000 08 19.0	21 54.43	+05 11.0	17.9	-0.77	- 3.8	6.2/24.6	2045	(10807)	2000 08 20.1	21 58.73	-14 01.4	17.4	-0.75	- 4.7	0.5/19.7	34772
1999 KZ ₂	2000 08 19.0	21 54.44	-17 07.1	19.0	-0.84	- 4.8	1.5/17.8	2649	(10188)	2000 08 20.2	21 58.83	+00 53.5	16.0	-0.69	-11.7	6.2/25.3	33902
1996 RT ₃	2000 08 19.0	21 54.45	-26 56.1	18.1	-1.10	+ 0.6	5.4/15.9	2624	(10454)	2000 08 20.2	21 58.86	-07 15.1	16.3	-1.01	- 1.6	2.3/21.5	34425
(11224)	2000 08 19.0	21 54.46	-15 08.4	17.1	-0.79	- 5.2	0.8/18.3	35269	1995 SZ ₄₃	2000 08 20.2	21 58.91	+01 55.3	17.7	-0.71	- 6.3	4.5/25.1	2621
1998 DE ₃₄	2000 08 19.1	21 54.83	-13 34.2	18.1	-0.76	- 3.8	0.2/18.9	2632	(10892)	2000 08 20.3	21 59.04	-13 48.5	17.9	-1.03	- 4.1	0.5/19.9	34795
1998 BJ ₁	2000 08 19.1	21 54.89	-18 29.3	18.5	-0.76	- 6.3	1.7/17.3	2631	(16047)	2000 08 20.3	21 59.10	-10 24.1	17.1	-0.73	- 7.9	0.6/21.0	1772
1997 WK ₁₃	2000 08 19.2	21 55.01	-22 24.2	17.8	-1.03	- 5.2	4.1/16.4	31281	1993 FD ₂₈	2000 08 20.3	21 59.18	-16 24.4	18.1	-0.84	- 2.3	1.3/19.2	1412
1999 CU ₁₂₈	2000 08 19.2	21 55.29	-28 14.2	17.9	-0.88	- 8.7	5.8/14.0	2023	1999 GO ₈	2000 08 20.3	21 59.27	-17 36.1	17.6	-0.89	- 5.7	2.0/18.8	2646
1998 BJ ₃₀	2000 08 19.3	21 55.44	-09 48.1	16.3	-0.87	- 3.7	1.2/20.1	1426	(15977)	2000 08 20.3	21 59.44	+06 51.1	17.5	-0.46	- 3.3	3.4/26.9	1753
1987 QO ₅	2000 08 19.3	21 55.46	-13 44.1	16.3	-1.08	- 2.7	0.5/19.1	2613	1990 OV ₄	2000 08 20.4	21 59.45	+11 51.3	16.2	-0.93	+ 3.0	10.2/26.0	1407
1999 CQ ₇₂	2000 08 19.3	21 55.50	+07 10.4	16.3	-0.83	- 7.5	7.4/26.3	2643	6621 P-L	2000 08 20.4	21 59.53	-04 15.8	17.5	-0.74	-10.1	3.0/23.3	2584
1996 HK ₁	2000 08 19.3	21 55.54	-26 13.3	17.5	-1.08	- 3.8	6.1/15.6	2623	1993 TS ₃₃	2000 08 20.4	21 59.74	-16 12.6	17.6	-0.93	- 6.8	1.5/19.3	35425
1981 EB ₃₇	2000 08 19.3	21 55.64	-20 27.3	17.4	-0.97	- 1.8	2.9/17.4	35415	(15762)	2000 08 20.5	22 00.01	-04 43.5	15.9	-0.83	- 2.4	3.6/22.6	1695
1996 TC ₁₃	2000 08 19.3	21 55.67	-11 40.2	18.3	-0.80	- 7.2	0.4/19.7	31731	1997 WQ ₂	2000 08 20.5	22 00.07	-23 19.8	17.6	-0.96	- 6.6	4.6/17.1	35073
1981 EU ₃₀	2000 08 19.4	21 55.85	-16 08.7	17.9	-1.04	- 0.5	1.7/18.6	26920	1999 JF ₇₀	2000 08 20.6	22 00.23	-34 09.6	16.8	-0.91	- 3.6	7.2/13.9	38068
1979 ML ₇	2000 08 19.4	21 55.87	-15 03.4	18.2	-0.88	- 7.0	1.2/18.7	30779	1989 UC ₅	2000 08 20.6	22 00.25	-01 04.1	19.7	-0.49	- 3.2	2.2/24.2	18118
(10907)	2000 08 19.4	21 55.89	-15 52.2	17.7	-0.85	- 4.1	1.1/18.5	34799	1999 KV ₉	2000 08 20.6	22 00.36	+01 49.5	18.2	-0.74	- 4.1	4.6/25.0	2057
2120 T-2	2000 08 19.5	21 56.28	-21 24.2	17.4	-1.00	- 1.4	4.5/17.3	1667	1997 BJ ₅	2000 08 20.6	22 00.45	-05 59.8	16.9	-0.84	- 0.6	2.2/22.2	2625
2000 LX ₂₇	2000 08 19.5	21 56.37	-05 21.4	15.4	-1.07	+ 3.7	3.4/20.9	2566	1997 SO ₃₃	2000 08 20.7	22 00.62	-18 30.4	17.5	-1.02	- 4.4	2.7/19.0	35432
1999 JK ₅₁	2000 08 19.5	21 56.42	-22 21.7	19.2	-0.91	- 4.8	3.0/16.7	35370	(10792)	2000 08 20.7	22 00.65	-09 26.3	16.4	-0.70	- 7.6	0.9/21.6	34768

(10323)	2000 08 20.7	22 00.66	-19 59.5	15.8	-0.84	- 6.2	3.9/18.3	34142	(10303)	2000 08 21.7	22 04.28	-09 44.6	15.2	-0.69	- 6.9	1.1/22.4	1402
1999 JZ ₈₃	2000 08 20.7	22 00.72	-21 45.5	17.9	-0.74	- 6.3	2.9/17.6	2052	1998 DN ₈	2000 08 21.7	22 04.44	-08 12.9	16.5	-0.86	- 1.2	1.3/22.7	2632
1999 HA ₃	2000 08 20.7	22 00.72	-29 35.8	18.2	-0.88	- 3.2	5.2/15.6	35449	1999 JU ₇₉	2000 08 21.7	22 04.49	-29 08.1	19.1	-0.78	- 8.2	4.6/15.7	2648
1999 FG ₃₂	2000 08 20.7	22 00.78	-33 47.3	16.3	-1.02	- 2.7	9.7/14.2	35647	1997 XL ₉	2000 08 21.7	22 04.57	-22 23.0	17.7	-0.94	- 6.2	3.8/18.5	1425
1999 HP ₄	2000 08 20.7	22 00.85	-29 52.2	18.0	-1.02	- 2.6	6.6/15.9	35735	(10285)	2000 08 21.8	22 04.59	-15 56.5	15.8	-0.83	- 9.5	1.8/20.4	34132
(11085)	2000 08 20.8	22 00.93	-09 56.2	17.7	-0.93	- 4.9	0.8/21.4	35233	1999 BR ₁₄	2000 08 21.8	22 04.71	-24 29.3	17.5	-1.04	- 4.7	5.1/18.2	39298
1999 AX ₃	2000 08 20.8	22 00.95	-19 07.8	17.8	-1.08	- 5.0	2.9/18.9	34038	1992 ST	2000 08 21.8	22 04.76	-27 20.7	17.4	-1.14	- 4.1	7.1/17.1	2616
1998 FX ₆₈	2000 08 20.8	22 01.00	+04 04.9	17.4	-0.60	- 4.9	4.4/26.3	2633	(15502)	2000 08 21.9	22 04.96	-02 56.1	17.0	-0.54	- 1.2	1.6/24.6	909
(15949)	2000 08 20.8	22 01.06	-20 43.0	17.2	-0.98	- 7.5	3.2/18.2	1745	1993 FD ₂₇	2000 08 21.9	22 05.05	-14 05.5	17.4	-1.02	- 5.2	1.1/21.3	1412
(15961)	2000 08 20.8	22 01.16	-14 18.5	16.5	-0.73	- 9.3	0.8/20.1	1749	(10775)	2000 08 21.9	22 05.10	-11 19.7	18.1	-0.94	- 4.6	0.2/22.1	34764
1999 EV ₂	2000 08 20.8	22 01.20	-24 53.6	18.0	-1.06	- 4.4	5.1/17.3	35645	(10762)	2000 08 21.9	22 05.18	-09 27.1	17.0	-0.77	- 4.3	0.8/22.6	34760
1997 XO	2000 08 20.8	22 01.30	-06 44.2	16.1	-0.97	- 1.4	2.5/22.2	2630	2000 LJ ₂₇	2000 08 21.9	22 05.19	-23 38.3	16.8	-0.70	-11.4	5.2/17.4	2565
1981 EY ₅	2000 08 20.8	22 01.34	-07 58.9	17.5	-0.89	- 0.1	1.5/21.9	30779	(10795)	2000 08 21.9	22 05.33	-10 28.7	16.5	-0.67	- 9.3	0.3/22.4	2611
1992 TM ₁	2000 08 20.9	22 01.36	+05 42.6	16.8	-0.89	- 2.6	5.8/25.9	2617	1999 JQ ₈₉	2000 08 21.9	22 05.39	-55 16.5	17.4	-1.07	- 2.4	14.5/06.0	35466
1981 EL ₂₂	2000 08 20.9	22 01.46	-15 39.8	21.5	-1.02	- 3.6	1.3/20.0	26919	1999 JH ₆₁	2000 08 22.0	22 05.37	+09 36.1	17.7	-0.71	- 4.7	5.9/29.2	2050
1999 JJ ₇₇	2000 08 20.9	22 01.63	-02 30.0	17.4	-0.72	- 6.6	3.1/24.1	2051	1992 EH ₁₁	2000 08 22.1	22 05.69	-11 22.6	17.6	-0.74	- 4.6	0.1/22.2	32048
1999 DS ₆	2000 08 21.0	22 01.73	-27 30.6	17.6	-0.86	- 6.5	4.8/16.0	2644	1997 XS	2000 08 22.1	22 05.79	-08 58.2	18.1	-0.91	- 3.9	0.9/22.2	35945
1997 VQ ₇	2000 08 21.0	22 01.77	-10 36.8	17.8	-0.98	- 4.4	0.6/21.4	31117	4060 T-2	2000 08 22.1	22 06.08	-11 30.5	19.0	-0.82	- 5.4	0.1/22.2	35480
1999 JQ ₆₅	2000 08 21.0	22 01.78	-20 38.4	17.8	-1.02	- 5.5	3.4/18.5	35373	1999 AC ₂₄	2000 08 22.1	22 06.20	-56 20.0	17.0	-1.84	+ 2.1	21.4/06.0	35731
1995 QX ₃	2000 08 21.0	22 01.89	-00 55.4	17.8	-0.73	- 6.0	3.5/24.7	1417	6840 P-L	2000 08 22.2	22 06.10	-15 20.6	19.4	-0.86	- 5.8	1.6/21.1	31294
1999 JM ₈₄	2000 08 21.0	22 01.91	-10 12.6	17.7	-0.79	- 9.0	0.6/21.7	2052	1999 FS ₃₄	2000 08 22.2	22 06.31	-24 27.6	18.4	-1.03	- 1.6	4.2/19.0	2645
(10818)	2000 08 21.0	22 01.92	-05 59.5	17.5	-0.71	- 6.5	1.8/23.0	34775	1993 FR ₁₈	2000 08 22.2	22 06.31	-28 22.4	16.9	-0.86	- 2.5	5.9/17.3	2617
1994 BR ₃	2000 08 21.1	22 02.27	-14 42.5	16.8	-0.80	- 8.8	0.9/20.3	2618	(16059)	2000 08 22.2	22 06.37	-21 25.2	17.3	-0.88	- 7.0	3.7/19.1	1776
1998 FA ₉₁	2000 08 21.2	22 02.38	-20 40.9	17.8	-0.80	- 5.0	2.6/18.5	1427	1993 YT	2000 08 22.2	22 06.41	-44 17.9	19.5	-1.03	- 5.5	8.7/11.1	35425
1998 FY ₂₇	2000 08 21.2	22 02.43	-09 52.3	18.6	-0.77	- 3.7	0.6/21.8	32318	(11089)	2000 08 22.2	22 06.47	-15 57.3	17.3	-0.48	- 3.2	0.8/20.9	35234
1997 WN ₁₂	2000 08 21.2	22 02.51	-09 32.0	17.2	-0.94	- 4.7	1.2/21.9	1927	1997 WM ₃₉	2000 08 22.2	22 06.51	-14 33.5	18.4	-0.93	- 6.1	1.0/21.4	35433
(15879)	2000 08 21.2	22 02.57	-15 25.5	17.2	-0.79	- 5.3	1.2/20.2	1726	1981 ET ₁₄	2000 08 22.3	22 06.44	-08 18.7	19.4	-0.74	- 3.8	0.9/23.3	31780
1998 FH ₁₆	2000 08 21.2	22 02.67	-12 23.0	19.0	-0.73	- 4.4	0.1/21.1	1934	(16054)	2000 08 22.3	22 06.46	-21 34.5	16.8	-0.74	- 6.5	3.3/19.0	1774
(15967)	2000 08 21.3	22 02.75	-21 31.5	15.0	-0.81	-11.7	3.9/17.8	1751	1999 CZ ₁	2000 08 22.3	22 06.51	-05 03.4	17.1	-1.44	+ 2.9	3.1/23.5	2005
1992 DX ₇	2000 08 21.3	22 02.87	-17 36.4	19.4	-0.76	- 3.4	1.5/19.7	35684	1998 BF ₁	2000 08 22.3	22 06.75	-26 54.1	17.8	-0.85	- 6.9	5.1/17.3	1426
2206 T-3	2000 08 21.3	22 03.11	-07 39.7	18.0	-0.83	- 4.1	1.5/22.6	31609	1999 GH ₁₉	2000 08 22.4	22 06.80	-03 08.0	17.3	-0.69	- 8.5	3.0/25.4	2038
1996 TV ₁₇	2000 08 21.4	22 03.13	-20 33.8	19.1	-0.90	- 2.5	3.6/19.0	34585	1999 FV ₈	2000 08 22.4	22 06.81	-13 51.3	18.1	-0.97	- 4.8	0.8/21.8	36086
1990 OM ₂	2000 08 21.4	22 03.31	-18 14.9	16.1	-1.02	+ 2.1	3.5/20.1	2614	(10968)	2000 08 22.4	22 06.88	-14 25.7	18.8	-0.75	- 4.5	0.8/21.6	34814
1016 T-2	2000 08 21.4	22 03.32	-16 24.8	17.5	-0.89	- 3.1	1.5/20.2	38907	1998 AW ₈	2000 08 22.4	22 06.90	-02 37.9	18.1	-0.95	- 5.8	3.8/25.1	2631
1992 EY ₁₁	2000 08 21.4	22 03.35	-15 35.8	19.0	-0.73	- 4.0	1.0/20.3	32304	2122 T-3	2000 08 22.4	22 06.93	-06 21.2	18.7	-0.98	- 5.5	2.1/23.9	30914
1997 YF ₇	2000 08 21.4	22 03.42	-16 54.6	19.8	-0.97	- 6.6	1.8/20.0	31425	1981 EO ₁₁	2000 08 22.4	22 07.05	-09 23.0	18.7	-0.96	- 4.9	0.8/23.1	34281
(10955)	2000 08 21.4	22 03.52	-03 02.8	17.8	-0.83	- 4.4	3.1/24.1	34811	1998 AL ₈	2000 08 22.4	22 07.19	-14 39.9	18.6	-0.86	- 4.8	1.0/21.6	31592
1998 DW ₃₄	2000 08 21.5	22 03.51	-04 43.1	17.5	-0.73	-10.4	2.4/24.1	2632	1994 CY ₁₁	2000 08 22.5	22 07.16	-16 00.8	19.4	-0.94	- 4.2	1.5/21.2	23864
1985 UR	2000 08 21.5	22 03.52	+04 43.6	16.7	-0.80	- 9.0	6.9/27.2	1405	1990 TQ ₁	2000 08 22.5	22 07.17	-17 18.4	16.7	-0.82	- 9.5	2.7/20.5	2615
1999 JS ₈₄	2000 08 21.5	22 03.60	-27 48.7	18.0	-0.76	- 6.6	4.4/16.1	2648	1993 FD ₄₇	2000 08 22.5	22 07.33	-11 18.4	18.8	-0.75	- 4.5	0.1/22.6	38760
1997 XA ₁₀	2000 08 21.5	22 03.77	-16 56.9	18.0	-0.88	- 4.7	1.7/20.1	35703	1996 HJ ₁₁	2000 08 22.5	22 07.49	-04 17.8	17.7	-0.98	- 5.9	2.9/24.7	1906
1997 YF ₁₄	2000 08 21.5	22 03.79	-06 48.3	18.5	-0.93	- 3.4	1.8/23.0	31425	1999 AR ₃₄	2000 08 22.5	22 07.60	-10 15.4	17.3	-0.96	- 6.2	0.5/23.0	35443
5553 P-L	2000 08 21.5	22 03.81	-24 55.4	18.4	-1.06	- 3.4	5.0/18.0	35049	(10453)	2000 08 22.6	22 07.54	-14 41.9	16.4	-0.79	- 3.9	1.2/21.7	34425
1999 JR ₅₂	2000 08 21.5	22 03.92	-10 10.9	17.6	-0.80	- 4.9	0.6/22.1	35459	(11061)	2000 08 22.6	22 07.91	-14 46.5	17.1	-0.85	- 4.1	1.2/21.7	35227
(10885)	2000 08 21.6	22 03.87	-27 44.9	16.6	-0.82	- 4.7	4.7/16.6	34792	1998 FR ₅₇	2000 08 22.6	22 07.94	-10 43.2	16.9	-0.77	- 2.9	0.3/22.9	1427
1968 OJ	2000 08 21.6	22 03.94	-10 08.2	17.1	-0.71	-11.1	0.7/22.3	2612	1998 ES ₈	2000 08 22.7	22 07.95	-06 31.8	18.0	-0.80	- 5.5	1.6/24.2	1427
1995 SW ₂₉	2000 08 21.6	22 04.15	-01 53.2	17.0	-1.00	+ 1.8	3.1/23.8	2621	(10558)	2000 08 22.7	22 08.10	-03 57.1	16.4	-0.81	- 8.0	3.4/25.2	1402
1998 HT ₃₇	2000 08 21.6	22 04.18	-19 52.2	17.9	-0.81	- 2.3	2.2/19.4	32754	1999 FT ₂₇	2000 08 22.7	22 08.25	-07 43.3	17.1	-0.91	- 7.1	1.5/23.9	35445
(10752)	2000 08 21.6	22 04.21	-01 14.3	16.5	-0.86	- 5.6	4.4/24.9	34758	1999 CJ ₅₁	2000 08 22.7	22 08.28	-15 48.2	17.4	-0.98	- 4.0	1.7/21.6	35643
1999 JD ₈₄	2000 08 21.6	22 04.22	-24 37.0	17.9	-0.85	- 8.7	3.9/17.3	39306	1981 EB ₄₀	2000 08 22.7	22 08.29	-12 21.1	19.2	-0.75	- 4.0	0.2/22.5	28611
2157 T-2	2000 08 21.6	22 04.29	-31 30.5	18.2	-0.99	- 0.2	6.4/16.5	40280	1999 JZ ₂₂	2000 08 22.8	22 08.42	-07 55.9	18.2	-0.85	- 5.0	1.2/23.9	35453

(15703)	2000 08 22.8	22 08.63	+01 17.8	16.6	-0.95	- 3.5	6.1/26.4	1680	(10167)	2000 08 23.9	22 12.50	-16 22.1	15.8	-0.96	- 3.8	2.2/22.5	33897
1999 LP ₂₄	2000 08 22.9	22 08.65	+08 50.0	17.1	-0.75	- 2.9	6.3/29.1	2649	1999 FK ₃₃	2000 08 23.9	22 12.59	-19 36.8	16.9	-0.89	- 8.2	3.9/21.1	1444
2000 LN ₂₈	2000 08 22.9	22 08.74	-13 28.6	17.5	-0.82	- 6.2	0.8/22.3	2567	1999 LT ₈	2000 08 23.9	22 12.72	-01 37.4	17.9	-0.70	- 6.0	2.8/27.1	37814
1990 QG ₃	2000 08 22.9	22 09.00	-15 39.0	16.8	-0.68	- 2.8	2.5/21.7	2614	1997 VF ₄	2000 08 24.0	22 12.68	-16 07.0	18.6	-0.94	- 5.5	1.8/22.5	34877
5065 T-2	2000 08 23.0	22 09.03	+05 27.3	18.6	-0.89	- 4.4	6.0/28.1	35125	(15821)	2000 08 24.0	22 12.69	-14 23.4	16.5	-0.99	- 7.3	1.4/23.0	1711
1991 UH ₃	2000 08 23.0	22 09.13	-22 44.5	17.9	-0.93	- 3.5	3.5/19.7	32303	1999 JM ₁₀₅	2000 08 24.0	22 12.80	-15 00.8	17.0	-0.87	- 3.6	1.4/22.9	35737
(11149)	2000 08 23.0	22 09.18	-02 51.0	17.0	-0.92	- 4.4	3.2/25.5	35250	1997 UT ₂₀	2000 08 24.0	22 12.84	-26 22.5	17.3	-1.02	- 3.2	5.9/19.7	35305
1996 SK ₇	2000 08 23.0	22 09.20	-40 42.4	16.9	-1.20	+ 5.3	14.1/16.6	28864	(10226)	2000 08 24.1	22 13.11	-00 48.9	15.7	-0.92	- 3.9	4.1/27.1	2611
1998 FO ₇₅	2000 08 23.0	22 09.34	+02 13.5	17.2	-0.68	- 6.8	4.2/27.7	1427	1999 JX ₃₁	2000 08 24.1	22 13.32	-09 24.2	18.1	-0.76	- 4.7	0.5/24.7	35736
2000 LM ₂₇	2000 08 23.1	22 09.40	-12 59.7	17.3	-0.73	- 9.1	0.8/22.5	2566	1999 JC ₆₅	2000 08 24.1	22 13.37	-09 57.3	16.9	-0.86	- 5.1	0.4/24.5	1445
1981 EV ₃₈	2000 08 23.1	22 09.60	-10 21.9	19.2	-0.75	- 3.2	0.3/23.4	26922	1999 JP ₈₃	2000 08 24.1	22 13.39	+02 20.4	19.5	-0.78	- 6.6	3.9/28.6	35465
4159 T-2	2000 08 23.1	22 09.70	-14 06.0	19.0	-0.74	- 4.1	0.7/22.3	32344	1981 DJ	2000 08 24.1	22 13.41	+02 15.5	18.6	-0.71	- 4.4	3.7/28.4	35415
1997 AL ₁	2000 08 23.1	22 09.75	+05 12.2	16.0	-0.88	+ 0.4	5.3/27.4	2625	1998 FD ₂₆	2000 08 24.2	22 13.46	-14 35.3	17.9	-0.94	- 3.2	1.2/23.2	35954
(11742)	2000 08 23.1	22 09.76	-17 55.3	17.6	-0.82	- 5.7	2.2/21.1	35896	1998 AQ	2000 08 24.2	22 13.52	-22 13.7	17.9	-0.72	- 8.7	3.1/20.2	2631
1998 DQ ₉	2000 08 23.2	22 09.91	-27 59.3	17.1	-0.83	- 4.5	4.9/17.9	2632	(16317)	2000 08 24.2	22 13.53	-13 13.1	16.4	-0.97	- 6.3	1.1/23.6	1849
1999 JA ₁₁₇	2000 08 23.2	22 09.98	-11 13.0	18.3	-0.89	- 4.0	0.0/23.3	35037	1992 YU ₁	2000 08 24.2	22 13.54	-04 25.0	16.8	-0.86	- 3.2	2.5/26.1	2617
1997 YC ₁₀	2000 08 23.2	22 10.00	-08 30.0	18.6	-0.86	- 5.1	1.0/24.1	35433	(10794)	2000 08 24.2	22 13.61	-14 12.7	16.3	-0.75	- 3.8	1.2/23.3	34768
1999 JQ ₈₄	2000 08 23.2	22 10.03	-10 39.4	18.3	-0.78	- 7.8	0.2/23.5	35465	1999 EJ ₂	2000 08 24.2	22 13.62	+05 08.5	16.7	-0.77	- 9.2	5.7/30.1	2024
1998 FR ₁₀	2000 08 23.2	22 10.06	-15 14.7	17.5	-0.69	- 2.2	1.0/22.1	34908	1999 JC ₄₀	2000 08 24.2	22 13.65	-06 49.4	18.3	-0.82	- 5.0	1.4/25.5	35736
1998 BE ₂₆	2000 08 23.2	22 10.06	-04 59.6	17.9	-0.72	- 7.3	2.0/25.4	35075	(10927)	2000 08 24.2	22 13.65	-19 31.0	16.8	-0.97	- 3.0	3.3/21.9	34804
(10371)	2000 08 23.2	22 10.06	-11 51.2	19.3	-0.94	- 5.1	0.2/23.1	34153	1994 AL ₁	2000 08 24.2	22 13.66	-49 01.2	18.5	-1.42	-11.3	14.8/08.9	33747
2000 LT ₂₇	2000 08 23.3	22 10.30	-08 51.5	16.5	-0.85	- 2.4	1.2/24.0	2566	1999 CL ₄₂	2000 08 24.2	22 13.68	-13 27.2	19.4	-1.05	- 2.3	1.0/23.6	34603
1999 FV ₃₂	2000 08 23.3	22 10.38	-41 21.0	16.0	-0.86	- 5.7	14.3/10.8	2645	1999 AU ₇	2000 08 24.2	22 13.69	-20 36.3	17.7	-1.06	- 4.3	4.2/21.6	35730
1993 FQ ₁₀	2000 08 23.4	22 10.58	-24 37.5	17.5	-0.90	- 2.5	4.1/19.6	2617	1997 SS ₁₇	2000 08 24.2	22 13.78	-20 35.9	18.0	-1.00	- 6.1	4.5/21.3	35072
(10437)	2000 08 23.4	22 10.59	-08 12.2	16.7	-0.76	- 5.6	1.6/24.4	34168	1997 UU	2000 08 24.3	22 13.80	-01 20.9	18.9	-0.92	- 6.2	3.8/27.2	31146
1981 EX ₂₇	2000 08 23.4	22 10.75	-11 11.9	18.6	-0.96	- 5.5	0.0/23.5	34281	2837 P-L	2000 08 24.3	22 14.08	-07 17.1	18.3	-0.86	- 5.7	1.2/25.5	35479
(10575)	2000 08 23.4	22 10.88	-24 12.4	17.3	-1.01	- 5.8	5.1/19.5	34456	1998 HA ₁₃₃	2000 08 24.3	22 14.09	+09 10.8	18.0	-0.69	- 6.3	6.1/31.4	2634
1982 JV ₁	2000 08 23.5	22 10.97	-16 59.7	18.3	-0.99	- 6.2	2.2/21.8	40291	1995 UE ₁₁	2000 08 24.4	22 14.25	-01 25.2	19.2	-0.72	- 5.6	2.9/27.5	30784
1999 AA ₁₀	2000 08 23.5	22 10.99	-08 38.6	16.9	-0.97	- 7.3	1.1/24.3	1439	(10572)	2000 08 24.4	22 14.43	-06 52.9	17.0	-0.99	- 5.9	1.7/25.6	34455
2494 T-3	2000 08 23.5	22 11.00	-10 13.9	17.6	-1.03	- 4.3	0.4/23.8	34618	1993 SQ ₆	2000 08 24.4	22 14.57	-16 05.1	17.3	-1.01	- 3.6	2.1/23.1	1885
1999 LK ₁₀	2000 08 23.5	22 11.18	-13 55.5	17.3	-0.80	- 9.3	0.9/22.6	2649	1999 GZ ₃₄	2000 08 24.4	22 14.59	-29 31.9	17.7	-1.12	+ 0.2	6.9/19.9	35095
1993 RQ ₁	2000 08 23.5	22 11.19	-08 40.3	20.9	-0.94	- 6.0	0.9/24.3	1884	1998 CC ₂	2000 08 24.5	22 14.54	-08 54.0	18.1	-0.95	- 3.4	0.7/25.1	32059
2000 LR ₂₇	2000 08 23.6	22 11.27	-19 09.1	17.0	-0.77	-11.6	3.1/20.7	2566	1998 BH ₁₀	2000 08 24.5	22 14.91	-22 44.4	17.3	-0.89	- 3.8	4.1/21.1	36078
1998 BF ₁₈	2000 08 23.6	22 11.37	-13 38.1	19.2	-0.90	- 4.5	0.8/22.9	31798	1993 QO	2000 08 24.6	22 15.00	+08 31.0	15.4	-1.56	+15.2	10.6/25.4	2618
1999 JV ₂₁	2000 08 23.6	22 11.38	+04 39.5	17.9	-0.76	- 3.8	5.2/28.7	35453	4865 P-L	2000 08 24.6	22 15.03	-14 40.2	17.5	-1.05	- 5.1	1.7/23.5	34338
(15925)	2000 08 23.6	22 11.39	+05 08.4	16.7	-0.95	- 1.5	5.8/27.9	1739	1999 BN ₁₃	2000 08 24.6	22 15.11	-09 58.9	18.1	-0.93	- 6.1	0.3/24.9	35081
1993 TO ₁₈	2000 08 23.6	22 11.50	-15 53.3	18.1	-0.99	- 4.3	1.9/22.3	35689	1990 SS ₈	2000 08 24.6	22 15.15	-07 18.0	17.1	-0.70	- 8.2	1.2/25.9	35419
1990 UR ₄	2000 08 23.6	22 11.58	-21 42.3	18.0	-0.99	- 5.9	4.0/20.5	34577	1999 JL ₁₂₁	2000 08 24.6	22 15.20	-26 09.8	18.0	-0.81	- 4.9	4.9/19.7	2648
1996 VD ₂₉	2000 08 23.6	22 11.63	-11 25.2	18.7	-0.74	- 4.4	0.1/23.6	1912	1989 UF ₁	2000 08 24.6	22 15.21	-07 32.0	16.5	-0.92	- 4.4	1.5/25.6	1406
1998 FH ₈₂	2000 08 23.6	22 11.65	-30 21.7	18.1	-1.01	- 2.7	6.4/18.0	32324	1997 CA ₁₇	2000 08 24.6	22 15.31	-01 30.1	18.1	-0.76	- 2.9	2.7/27.4	2625
1990 VR ₁₄	2000 08 23.7	22 11.59	-17 58.3	16.4	-1.01	- 5.2	3.0/21.7	35419	1992 BC ₂	2000 08 24.6	22 15.32	+01 18.4	18.2	-0.78	- 3.2	3.6/28.3	34578
1996 SN	2000 08 23.7	22 11.76	-15 41.4	19.3	-0.89	- 4.5	1.5/22.4	35070	2610 P-L	2000 08 24.6	22 15.33	-08 08.6	17.2	-0.82	- 6.5	1.2/25.5	35124
1996 QE	2000 08 23.7	22 11.79	-00 20.9	17.1	-0.69	-12.4	4.4/27.9	2623	1998 DE ₉	2000 08 24.7	22 15.45	-27 02.1	18.3	-0.89	- 1.3	4.7/20.2	35705
1981 EG ₂₅	2000 08 23.7	22 11.89	-16 40.6	17.1	-1.08	+ 0.3	2.4/22.5	34002	1999 JG ₅₂	2000 08 24.7	22 15.68	+01 53.4	17.2	-0.80	- 2.7	4.4/28.5	2647
1999 JM ₈₅	2000 08 23.7	22 11.91	-25 15.4	16.9	-0.78	- 6.6	4.7/19.0	35465	1993 XJ ₃	2000 08 24.7	22 15.70	+01 14.3	18.4	-1.32	+ 3.7	4.9/26.9	2618
1992 EE ₁	2000 08 23.7	22 11.99	-53 16.9	17.8	-1.64	+ 2.6	14.8/13.5	35422	1998 FV ₈₈	2000 08 24.8	22 15.73	-27 10.9	18.1	-0.85	- 3.2	4.9/19.8	2633
1998 DM ₁₄	2000 08 23.8	22 12.04	-05 44.9	17.5	-0.72	- 7.2	1.7/25.6	35436	1999 FF ₁₀	2000 08 24.8	22 15.85	-22 24.8	17.2	-1.11	+ 0.9	4.7/22.2	34947
1999 LL ₉	2000 08 23.8	22 12.04	-17 45.7	17.0	-0.81	- 7.9	2.3/21.6	2649	4610 P-L	2000 08 24.8	22 15.85	-06 33.5	17.9	-0.85	- 6.2	1.4/26.2	35479
1999 FM ₃₆	2000 08 23.8	22 12.19	-16 10.4	18.9	-1.00	- 4.7	1.8/22.4	2033	1997 WN ₄₇	2000 08 24.8	22 15.98	-10 25.3	18.1	-0.97	- 4.8	0.1/25.0	31123
1996 HN ₂₄	2000 08 23.9	22 12.36	-21 03.3	17.3	-1.03	- 5.7	3.9/21.0	35428	1986 QK	2000 08 24.9	22 16.00	-05 35.0	16.2	-0.92	- 1.2	2.7/26.2	2613
1964 VZ ₂	2000 08 23.9	22 12.39	-15 26.4	18.2	-0.82	- 4.7	1.3/22.6	31779	(10254)	2000 08 24.9	22 16.11	-09 39.5	16.8	-0.92	- 7.4	0.5/25.3	33919