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EDITORIAL NOTICE

Beginning with the present batch of *MPCs*, most of the perturbed orbit solutions have been carried out using the new JPL planetary ephemeris DE403, considering perturbations by the eight planets Mercury-Neptune and in addition by the three minor planets (1) Ceres, (2) Pallas and (4) Vesta. These three minor planets are presumed to have masses of 5.0, 1.1 and 1.2, respectively, in units of 10^{-10} solar masses. Perturbations by the earth and moon are considered separately for objects that make close approaches to the earth-moon system. The use of other planetary ephemerides (e.g., DE200, DE245) and appropriate different combinations of extra perturbing bodies (e.g., excluding some or all of the three minor planets, adding Pluto) are permitted. The point is that the orbit records maintained by the Minor Planet Center and included in the Extended Computer Service will henceforth be specifically coded to indicate the source of the planetary ephemeris and the extra perturbers. Most orbit computers have already been informed of the necessary codes; otherwise the codes can be found in the Technical Information link in the Minor Planet Center's homepage in the World Wide Web (URL <http://cfa-www.harvard.edu/cfa/ps/mpc.html>). In order to reduce complication in the printed *MPCs*, the planetary ephemeris used and the separation of perturbations by the earth and the moon are not indicated, and the more common combinations of extra perturbers are denoted as M-P (Pluto), M-c (Ceres), M-p (Ceres and Pallas) and M-v (Ceres, Pallas and Vesta), the last of these being the default.

One of the most difficult parts of the *MPCs* to prepare is the lists of names of observers, measurers, etc. The Minor Planet Center tries to ensure that all the appropriate people are properly credited, but this often means that an existing computer file is repeated month after month. If it is important to those who contribute the observations by e-mail (i.e., almost everybody) that credit is always correctly given, they are invited to start their messages with a series of lines, the first one beginning with COD, and then, in any order, some combination of CON, OBS, MEA, TEL and NET, giving, first the observatory code, followed by lines listing contact person and address, observers, measurers, telescope and reference-star catalogues. More information and examples are contained in the above-mentioned WWW homepage.

A new edition (the eighth) of the magnetic tape of observations is being issued. It is complete through this present batch of *MPCs* and thus contains a total of 988 549 observations: 546 503 of numbered minor planets, 377 542 of unnumbered minor planets and 64 504 of comets. The observations are in the J2000.0 system in the format described on *MPC* 18848-18849 (with the new comet designations as described on *MPC* 24421). The 9-track, 6250-bpi-density tape contains 236 files of 80-byte records in 8000-byte blocks and costs \$300.00. This will probably be the last time a 9-track magnetic tape is used for disseminating the observations. Alternatives for future distribution include DAT tape, CD-ROM and ftp. Those interested in

receiving the observation set in the future are invited to inform us of their preferred medium.

Not included in the observation set now being distributed are the 232 observations listed below under DELETED OBSERVATIONS. The Minor Planet Center has recently shown that almost all of these records refer to galaxies and stars (the latter often linear groupings of stars). For a stunning example of a galactic "minor planet", readers are invited to examine the DSS (Digital Sky Survey) at the position of A902 TC.

ERRATA

| | | |
|------------|------|--------------------------------|
| <i>MPC</i> | Line | |
| 25410 | 22 | For Stremchovi read Strēmchovi |
| 25443 | -12 | For ACCCESS! read ACCESS! |

NEW OBSERVATORY CODES

The following listing is a continuation to that on *MPC* 25351. 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 | $\rho \cos \phi'$ | $\rho \sin \phi'$ | |
|------|-----------|-------------------|-------------------|-------------------------------|
| 357 | 140.0064 | 0.80807 | +0.58712 | Shimotsuma |
| 609 | 12.8533 | 0.73772 | +0.67314 | Osservatorio Polino |
| 709 | 254.2288 | 0.84025 | +0.54110 | W & B Observatory, Cloudcroft |
| 966 | 357.2058 | 0.60960 | +0.79009 | Church Stretton |

CORRECTED OBSERVATIONS

The following observations correct those previously published.

| Object | Date | UT | α_{2000} | δ_{2000} | Reference | Mag. | N Obs. |
|----------------------|-----------|----------|-----------------|-----------------|------------------|------|--------|
| 1979 JM | 1979 05 | 04.72639 | 15 20 19.31 | -18 16 01.7 | <i>MPC</i> 9398 | | 1 323 |
| 1979 MK ₃ | 1991 09 | 16.39935 | 00 44 08.79 | -02 38 48.6 | <i>MPC</i> 18885 | 17.8 | 675 |
| 1979 MK ₃ | 1991 09 | 16.43946 | 00 44 07.25 | -02 39 01.3 | <i>MPC</i> 18885 | | 675 |
| 1990 DU ₁ | * 1990 02 | 16.51494 | 08 57 16.94 | +21 47 13.5 | <i>MPC</i> 16134 | 16.5 | 372 |
| 1990 DU ₁ | 1990 02 | 17.62500 | 08 56 26.27 | +21 57 16.0 | <i>MPC</i> 16134 | 16.5 | 372 |
| (5444) | 1992 11 | 28.46927 | 06 18 49.37 | +22 09 57.0 | <i>MPC</i> 22166 | | 675 |
| (5444) | 1992 11 | 28.50330 | 06 18 48.14 | +22 09 57.6 | <i>MPC</i> 22166 | | 675 |
| (5444) | 1992 12 | 01.42031 | 06 16 49.56 | +22 10 31.6 | <i>MPC</i> 22166 | | 675 |

| | | | | | | |
|-----------------------|--------------------|-------------|-------------|----------|------|-----|
| 1949 CH | 1949 02 03.94193 | 08 47 10.74 | +14 21 24.2 | BB | 4 | 012 |
| 1949 CN | * 1949 02 03.99526 | 10 37 55.65 | +22 19 36.8 | BB | 4 | 012 |
| 1949 FG ₁ | * 1949 03 31.86818 | 11 59 59.97 | +09 29 35.5 | BB | 4 | 012 |
| 1949 HT ₁ | * 1949 04 26.93501 | 14 00 58.27 | -07 47 23.0 | MPC17077 | | 012 |
| 1949 UF ₁ | * 1949 10 28.06610 | 03 08 20.88 | +13 00 11.4 | MPC | 358 | 012 |
| 1949 UH ₁ | * 1949 10 17.85332 | 00 42 16.36 | +08 32 43.2 | MPC | 8583 | 012 |
| 1949 UH ₁ | 1949 10 27.93163 | 00 35 20.58 | +07 38 16.0 | MPC | 8583 | 012 |
| 1949 YA | * 1949 12 23.02607 | 05 48 10.65 | +20 46 50.7 | MPC | 359 | 012 |
| 1949 YB | * 1949 12 23.02607 | 05 50 08.29 | +19 55 08.9 | MPC | 359 | 012 |
| 1949 YZ | * 1949 12 22.96103 | 05 40 03.38 | +25 44 16.9 | MPC | 359 | 012 |
| 1949 YA ₁ | * 1949 12 23.08205 | 08 01 03.46 | +23 20 10.0 | MPC | 359 | 012 |
| 1949 YC ₁ | * 1949 12 28.52222 | 06 01 05.38 | +09 15 00.4 | MPC | 4822 | 388 |
| 1949 YD ₁ | * 1949 12 23.12069 | 09 15 59.51 | +15 45 51.1 | MPC | 6575 | 012 |
| 1949 YF ₁ | * 1949 12 22.90580 | 05 05 39.49 | +23 26 07.7 | MPC | 8955 | 012 |
| 1950 DG | 1950 02 16.97892 | 09 56 14.63 | +07 14 29.9 | MPC | 441 | 012 |
| 1950 DJ ₁ | * 1950 02 16.97892 | 10 13 09.71 | +07 30 05.1 | MPC | 6655 | 012 |
| 1950 DP ₁ | * 1950 02 16.97892 | 10 00 05.27 | +10 01 22.0 | MPC20670 | | 012 |
| 1968 FB | 1968 03 25.92572 | 11 28 04.69 | +04 25 40.5 | MPC | 3457 | 020 |
| 1968 FB | 1968 03 25.94442 | 11 28 03.34 | +04 26 08.0 | MPC | 3457 | 020 |
| 1976 UQ ₁₈ | 1976 10 24.65222 | 01 53 01.29 | +04 17 31.5 | MPC | 5578 | 381 |
| 1978 RL ₉ | 1978 09 02.31597 | 22 47 21.33 | -10 24 55.3 | MPC | 7128 | 809 |
| 1978 RL ₉ | 1978 09 02.32639 | 22 47 20.64 | -10 24 57.6 | MPC | 7128 | 809 |
| 1981 KG ₁ | * 1981 05 28.03924 | 15 15 39.27 | -32 00 22.9 | MPC | 6463 | 809 |
| 1981 KJ ₁ | * 1981 05 28.03924 | 15 15 48.39 | -32 17 42.9 | MPC | 6463 | 809 |
| 1988 JF ₁ | * 1988 05 15.24618 | 14 39 47.28 | -09 59 02.8 | MPC13780 | | 809 |
| 1988 RW ₈ | * 1988 09 14.27690 | 22 45 32.67 | +12 48 26.5 | MPC14290 | | 675 |
| 1988 RW ₈ | 1988 09 14.30920 | 22 45 32.73 | +12 48 17.3 | MPC14290 | | 675 |
| 1990 FK ₄ | * 1990 03 24.29028 | 12 54 34.88 | +31 00 13.2 | MPC17935 | | 675 |
| 1990 FK ₄ | 1990 03 24.34236 | 12 54 26.74 | +30 58 59.2 | MPC17935 | | 675 |
| 1990 VG ₁₃ | * 1990 11 12.57917 | 03 55 50.92 | +16 06 21.3 | MPC19149 | | 364 |
| 1990 VG ₁₃ | 1990 11 12.60069 | 03 57 49.71 | +16 06 06.2 | MPC19149 | | 364 |

IDENTIFICATION CHANGES

Continuation to MPC 25351.

| Object | Date | UT | α_{2000} | δ_{2000} | Originally | Mag. | Obs. |
|-----------------------|--------------------|-------------|-----------------|----------------------|------------|------|------|
| 1990 RP ₁₈ | * 1990 09 14.19948 | 21 41 34.72 | -28 06 17.4 | 1990 OV ₂ | 17.0 | 675 | |
| 1990 RP ₁₈ | 1990 09 14.23663 | 21 41 33.51 | -28 06 16.6 | 1990 OV ₂ | | 675 | |
| 1991 GN ₁₄ | * 1991 04 10.16736 | 13 34 53.85 | -08 10 00.1 | 1991 GW ₆ | 18.6 | 809 | |
| 1991 GN ₁₄ | 1991 04 10.18056 | 13 34 53.08 | -08 09 55.7 | 1991 GW ₆ | | 809 | |
| 1991 GN ₁₄ | 1991 04 10.19375 | 13 34 52.24 | -08 09 51.1 | 1991 GW ₆ | | 809 | |
| 1991 GO ₁₄ | * 1991 04 10.16736 | 13 34 40.66 | -08 04 15.1 | 1991 GX ₆ | 19.0 | 809 | |
| 1991 GO ₁₄ | 1991 04 10.18056 | 13 34 39.84 | -08 04 09.2 | 1991 GX ₆ | | 809 | |
| 1991 GO ₁₄ | 1991 04 10.19375 | 13 34 39.08 | -08 04 03.9 | 1991 GX ₆ | | 809 | |

NUMBERING OF A PERIODIC COMET

Continuation to the list on MPC 25351.

120P/1987 U2 = 1995 O2 (Mueller 1)

OBSERVATIONS OF COMETS

Observations are published here for the following observatory codes:

| | |
|-----|---|
| 046 | Kleř. 0.57-m $f/2$ reflector + CCD. Observers J. Tichá, M. Tichý and Z. Moravec. Measured by M. Tichý and J. Tichá. |
| 101 | Kharkov. 0.16-m refractor. Observer P. P. Pavlenko. |
| 104 | San Marcello Pistoiese. 0.40-m reflector + CCD. Observers L. Tesi and A. Boattini. |
| 107 | Cavezzo. 0.40-m $f/5.5$ reflector + CCD. Observers R. Calanca, R. Bonomi, F. Manenti, M. Fusari, C. Casarini, M. Facchini, M. Nicolini, G. Mengoli and F. Cadegnani. |
| 108 | Montelupo. 0.30-m $f/8.3$ reflector. Observers M. Tombelli, S. Giubbolini, S. Bartolini and M. Bartolini. |
| 118 | Modra. 0.6-m $f/5.5$ reflector + CCD. Observers A. Galád, D. Kalmančok, L. Kornoř, P. Kolény and A. Pravda. |
| 120 | Viřňan. 0.41-m $f/4.3$ reflector. Observers M. Brozović, R. Passuello, G. Bavdek and T. Hajdinjak. |
| 323 | Perth Observatory, Bickley. 0.3-m photographic telescope. Observers G. Lowe and T. Smith. Communicated by J. Biggs. |
| 357 | Shimotsuma. 0.25-m $f/4.0$ Schmidt Cassegrain + CCD. Observer T. Hata. |
| 359 | Wakayama. 0.25-m $f/6.3$ Schmidt-Cassegrain + CCD. Observer S. Yoshida. |
| 360 | Kuma Kogen. 0.60-m $f/6.0$ Ritchey-Chrétien + CCD. Observer A. Nakamura. |
| 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 $f/5.0$ reflector + CCD. Observer A. Sugie. |
| 410 | Sengamine. 0.20-m $f/6.0$ reflector + CCD. Observer K. Ito. |
| 411 | Oizumi. 0.25-m $f/4.4$ reflector + CCD. Observer T. Kobayashi. |
| 413 | Siding Spring. 1.2-m U.K. Schmidt and 1-m reflector + CCD. Observers C. P. Cass, G. J. Garradd, D. J. Asher, R. H. McNaught and D. I. Steel. Measured by R. H. McNaught. |
| 422 | Loomberah. 0.25-m $f/4.1$ reflector + CCD. Observer G. J. Garradd. |
| 480 | Cockfield. 0.36-m $f/5$ reflector + CCD. Observer M. Mobberley. |
| 540 | Linz. 0.3-m $f/5.2$ Schmidt-Cassegrain + CCD. Observers E. Meyer and H. Raab. |
| 557 | Ondřejov. 0.65-m $f/3.6$ reflector + CCD. Observers L. Šarounová and P. Pravec. |
| 568 | Mauna Kea. 2.2-m reflector + CCD. Observer D. J. Tholen. Measured by R. Whiteley. |
| 587 | Sormano. 0.5-m reflector + CCD. Observers M. Cavagana, V. Giuliani and F. Manca. |
| 589 | Santa Lucia Stroncone. 0.50-m $f/2.8$ Ritchey-Chrétien + CCD. Observers A. Vagnozzi, G. Bernabei, V. Risoldi, E. Gregori, F. Lombardi and D. Paluzzi. |
| 595 | Farra d'Isonzo. 0.4-m $f/4.5$ reflector + CCD. Observers G. Lombardi, E. Pettarin, A. Toso, C. Casulin, W. Boschin and F. Piani. Measured by G. Lombardi and E. Pettarin. |
| 608 | Haleakala-AMOS. 1.2-m reflector + CCD. Observers J. Africano, K. Imada, W. Hada and P. Sydney. |
| 609 | Terni. 0.40-m $f/2.9$ reflector + CCD. Observer G. Iatteri. Measured by A. Vagnozzi. |

| | | | | | | | | | |
|-----|--|-----------|------------------|-------------|-------------|------|---|--|-----|
| 670 | Camarillo. 0.25-m Schmidt-Cassegrain + CCD. Observer J. E. Rogers. | C/1995 O1 | 1995 07 24.54914 | 18 43 08.72 | -32 08 33.1 | | | | 897 |
| 675 | Palomar. 1.2-m Schmidt. Measured by B. A. Skiff. | C/1995 O1 | 1995 07 24.55007 | 18 43 08.67 | -32 08 32.9 | | | | 411 |
| 688 | Lowell Observatory, Anderson Mesa Station. 1.1-m $f/8$ Hall reflector + CCD. Observers D. G. Schleicher and T. B. Spahr. Measured by T. B. Spahr. | C/1995 O1 | 1995 07 24.55363 | 18 43 08.51 | -32 08 32.0 | | | | 897 |
| 691 | Kitt Peak. 0.91-m Spacewatch telescope. Observers J. V. Scotti and R. Jedicke. | C/1995 O1 | 1995 07 24.55410 | 18 43 08.46 | -32 08 32.2 | 11 | T | | 896 |
| 709 | Cloudcroft. 0.60-m $f/7$ Ritchey-Chrétien. Observer W. Offutt. | C/1995 O1 | 1995 07 24.55858 | 18 43 08.34 | -32 08 30.4 | | | | 897 |
| 817 | Sudbury. 0.41-m reflector + CCD. Observer D. di Cicco. | C/1995 O1 | 1995 07 24.56441 | 18 43 08.02 | -32 08 30.3 | | | | 896 |
| 864 | Kumamoto. 0.41-m $f/5.0$ reflector + CCD. Observer J. Kobayashi. | C/1995 O1 | 1995 07 24.56688 | 18 43 07.92 | -32 08 31.9 | | | | 411 |
| 896 | Yatsugatake South Base Observatory. 0.25-m $f/6.3$ Schmidt Cassegrain + CCD. Observers R. Kushida and Y. Kushida. | C/1995 O1 | 1995 07 24.57585 | 18 43 07.58 | -32 08 30.6 | | | | 359 |
| 897 | YGCO Chiyoda Observatory. 0.25-m $f/6.0$ reflector + CCD. Observer T. Kojima. | C/1995 O1 | 1995 07 24.58288 | 18 43 07.23 | -32 08 30.1 | | | | 411 |
| 905 | Nachi-Katsuura Observatory. 0.30-m $f/3.8$ hyperboloid astrocamera. Observer Y. Shimizu. Measured by T. Urata. | C/1995 O1 | 1995 07 24.58478 | 18 43 07.14 | -32 08 31.0 | 12.0 | T | | 359 |
| 966 | Church Stretton. 0.25-m Schmidt-Cassegrain. Observer S. P. Laurie. | C/1995 O1 | 1995 07 24.58491 | 18 43 07.15 | -32 08 29.1 | | | | 896 |
| 970 | Chelmsford. 0.30-m $f/5.25$ reflector + CCD. Observer N. D. James. | C/1995 O1 | 1995 07 24.59517 | 18 43 06.68 | -32 08 28.5 | | | | 367 |
| | | C/1995 O1 | 1995 07 24.60142 | 18 43 06.47 | -32 08 27.6 | | | | 367 |
| | | C/1995 O1 | 1995 07 24.69115 | 18 43 02.59 | -32 08 19.8 | | | | 864 |
| | | C/1995 O1 | 1995 07 24.69782 | 18 43 02.19 | -32 08 18.9 | | | | 864 |
| | | C/1995 O1 | 1995 07 24.85549 | 18 42 55.65 | -32 08 03.7 | 12 | T | | 046 |
| | | C/1995 O1 | 1995 07 24.85676 | 18 42 55.61 | -32 08 03.0 | | | | 046 |
| | | C/1995 O1 | 1995 07 24.85757 | 18 42 55.60 | -32 08 03.2 | | | | 046 |
| | | C/1995 O1 | 1995 07 24.85836 | 18 42 55.54 | -32 08 03.4 | | | | 046 |
| | | C/1995 O1 | 1995 07 24.85919 | 18 42 55.50 | -32 08 03.0 | | | | 046 |
| | | C/1995 O1 | 1995 07 24.87581 | 18 42 54.81 | -32 08 00.6 | | | | 595 |
| | | C/1995 O1 | 1995 07 24.93351 | 18 42 52.37 | -32 07 55.9 | | | | 595 |
| | | C/1995 O1 | 1995 07 25.14647 | 18 42 43.31 | -32 07 35.5 | | | | 709 |
| | | C/1995 O1 | 1995 07 25.15466 | 18 42 42.95 | -32 07 35.1 | | | | 709 |
| | | C/1995 O1 | 1995 07 25.16642 | 18 42 42.46 | -32 07 33.0 | | | | 709 |
| | | C/1995 O1 | 1995 07 25.19208 | 18 42 41.36 | -32 07 31.2 | | | | 709 |
| | | C/1995 O1 | 1995 07 25.20877 | 18 42 40.61 | -32 07 29.7 | | | | 709 |
| | | C/1995 O1 | 1995 07 25.23012 | 18 42 39.73 | -32 07 27.5 | | | | 709 |
| | | C/1995 O1 | 1995 07 25.23715 | 18 42 39.13 | -32 07 25.0 | | | | 688 |
| | | C/1995 O1 | 1995 07 25.24229 | 18 42 38.92 | -32 07 24.8 | | | | 688 |
| | | C/1995 O1 | 1995 07 25.24516 | 18 42 38.82 | -32 07 24.7 | | | | 688 |
| | | C/1995 O1 | 1995 07 25.25519 | 18 42 38.64 | -32 07 25.2 | | | | 709 |
| | | C/1995 O1 | 1995 07 25.51563 | 18 42 27.66 | -32 06 58.6 | 11.5 | T | | 372 |
| | | C/1995 O1 | 1995 07 25.52113 | 18 42 27.45 | -32 06 58.5 | | | | 359 |
| | | C/1995 O1 | 1995 07 25.52545 | 18 42 27.26 | -32 06 57.9 | | | | 359 |
| | | C/1995 O1 | 1995 07 25.52975 | 18 42 27.07 | -32 06 58.0 | 11.6 | T | | 359 |
| | | C/1995 O1 | 1995 07 25.60640 | 18 42 23.77 | -32 06 50.4 | | | | 864 |
| | | C/1995 O1 | 1995 07 25.62792 | 18 42 22.93 | -32 06 47.4 | | | | 864 |
| | | C/1995 O1 | 1995 07 25.64873 | 18 42 21.92 | -32 06 45.4 | | | | 402 |
| | | C/1995 O1 | 1995 07 25.65515 | 18 42 21.60 | -32 06 44.9 | | | | 402 |
| | | C/1995 O1 | 1995 07 25.65862 | 18 42 21.50 | -32 06 44.3 | | | | 402 |
| | | C/1995 O1 | 1995 07 25.66279 | 18 42 21.33 | -32 06 44.5 | | | | 402 |
| | | C/1995 O1 | 1995 07 25.84209 | 18 42 13.68 | -32 06 26.9 | | | | 589 |
| | | C/1995 O1 | 1995 07 25.84215 | 18 42 13.76 | -32 06 26.5 | | | | 046 |
| | | C/1995 O1 | 1995 07 25.84487 | 18 42 13.68 | -32 06 26.8 | | | | 046 |
| | | C/1995 O1 | 1995 07 25.84571 | 18 42 13.65 | -32 06 27.0 | | | | 046 |
| | | C/1995 O1 | 1995 07 25.84652 | 18 42 13.60 | -32 06 27.0 | | | | 046 |
| | | C/1995 O1 | 1995 07 25.84733 | 18 42 13.59 | -32 06 27.0 | | | | 046 |
| | | C/1995 O1 | 1995 07 25.85877 | 18 42 13.14 | -32 06 26.1 | | | | 589 |
| | | C/1995 O1 | 1995 07 25.89150 | 18 42 11.72 | -32 06 21.8 | 12.2 | T | | 540 |
| | | C/1995 O1 | 1995 07 25.89330 | 18 42 11.56 | -32 06 21.7 | 12.2 | T | | 540 |
| | | C/1995 O1 | 1995 07 25.89447 | 18 42 11.61 | -32 06 21.8 | 12.2 | T | | 540 |

| | | | | | | | | | | | |
|-----------|------------------|-------------|-------------|--------|-----|-----------|------------------|-------------|-------------|--------|-----|
| C/1995 O1 | 1995 07 25.89551 | 18 42 11.54 | -32 06 20.9 | 12.2 T | 540 | C/1995 O1 | 1995 07 28.20503 | 18 40 34.76 | -32 02 24.5 | | 670 |
| C/1995 O1 | 1995 07 26.37855 | 18 41 51.14 | -32 05 30.5 | | 422 | C/1995 O1 | 1995 07 28.21000 | 18 40 34.45 | -32 02 25.8 | 13.9 T | 709 |
| C/1995 O1 | 1995 07 26.38248 | 18 41 51.04 | -32 05 30.9 | | 422 | C/1995 O1 | 1995 07 28.21892 | 18 40 34.06 | -32 02 22.5 | | 670 |
| C/1995 O1 | 1995 07 26.39447 | 18 41 50.53 | -32 05 29.5 | | 422 | C/1995 O1 | 1995 07 28.22479 | 18 40 33.86 | -32 02 24.6 | 14.1 T | 709 |
| C/1995 O1 | 1995 07 26.50576 | 18 41 45.74 | -32 05 19.4 | | 422 | C/1995 O1 | 1995 07 28.22934 | 18 40 33.60 | -32 02 21.3 | | 670 |
| C/1995 O1 | 1995 07 26.50591 | 18 41 45.61 | -32 05 20.4 | | 897 | C/1995 O1 | 1995 07 28.22958 | 18 40 33.64 | -32 02 23.7 | 14.0 T | 709 |
| C/1995 O1 | 1995 07 26.50833 | 18 41 45.72 | -32 05 20.0 | | 896 | C/1995 O1 | 1995 07 28.25017 | 18 40 32.81 | -32 02 20.6 | 12.1 T | 670 |
| C/1995 O1 | 1995 07 26.51528 | 18 41 45.41 | -32 05 19.0 | | 896 | C/1995 O1 | 1995 07 28.25164 | 18 40 32.74 | -32 02 21.8 | 14.0 T | 709 |
| C/1995 O1 | 1995 07 26.51852 | 18 41 45.33 | -32 05 20.0 | | 897 | C/1995 O1 | 1995 07 28.26252 | 18 40 32.25 | -32 02 20.6 | 14.0 T | 709 |
| C/1995 O1 | 1995 07 26.52222 | 18 41 45.09 | -32 05 18.8 | | 896 | C/1995 O1 | 1995 07 28.27118 | 18 40 31.94 | -32 02 17.6 | | 670 |
| C/1995 O1 | 1995 07 26.54630 | 18 41 44.06 | -32 05 17.3 | | 864 | C/1995 O1 | 1995 07 28.27433 | 18 40 31.75 | -32 02 19.2 | 14.0 T | 709 |
| C/1995 O1 | 1995 07 26.55608 | 18 41 43.67 | -32 05 16.6 | 10.4 T | 360 | C/1995 O1 | 1995 07 28.28310 | 18 40 31.37 | -32 02 18.8 | 13.8 T | 709 |
| C/1995 O1 | 1995 07 26.56042 | 18 41 43.48 | -32 05 16.1 | | 360 | C/1995 O1 | 1995 07 28.29219 | 18 40 30.96 | -32 02 15.6 | | 670 |
| C/1995 O1 | 1995 07 26.56186 | 18 41 43.41 | -32 05 14.8 | | 402 | C/1995 O1 | 1995 07 28.29549 | 18 40 30.85 | -32 02 17.0 | 14.0 T | 709 |
| C/1995 O1 | 1995 07 26.56458 | 18 41 43.30 | -32 05 15.7 | | 360 | C/1995 O1 | 1995 07 28.31316 | 18 40 30.14 | -32 02 16.8 | 13.6 T | 709 |
| C/1995 O1 | 1995 07 26.56811 | 18 41 43.08 | -32 05 15.2 | | 864 | C/1995 O1 | 1995 07 28.32649 | 18 40 29.63 | -32 02 13.6 | 13.9 T | 709 |
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| C/1995 O1 | 1995 08 03.59167 | 18 36 16.66 | -31 50 26.4 | | 360 | 6P | 1995 07 09.67632 | 22 29 24.43 | +06 12 48.6 | | 359 |
| C/1995 O1 | 1995 08 04.40288 | 18 35 45.18 | -31 48 46.6 | | 608 | 6P | 1995 07 09.68013 | 22 29 25.07 | +06 12 44.4 | | 359 |
| C/1995 O1 | 1995 08 04.40413 | 18 35 45.03 | -31 48 47.9 | | 608 | 6P | 1995 07 09.96711 | 22 30 15.66 | +06 07 10.6 | | 595 |
| C/1995 O1 | 1995 08 04.40503 | 18 35 45.05 | -31 48 46.4 | | 608 | 6P | 1995 07 09.97519 | 22 30 17.12 | +06 07 01.9 | | 595 |
| C/1995 O1 | 1995 08 04.40646 | 18 35 44.97 | -31 48 47.0 | | 608 | 6P | 1995 07 09.98419 | 22 30 18.67 | +06 06 51.0 | | 595 |
| C/1995 O1 | 1995 08 04.42154 | 18 35 44.44 | -31 48 44.9 | | 608 | 6P | 1995 07 10.95839 | 22 33 10.52 | +05 47 31.3 | | 046 |
| C/1995 O1 | 1995 08 04.54339 | 18 35 39.73 | -31 48 30.8 | 13.1 T | 357 | 6P | 1995 07 10.95976 | 22 33 10.76 | +05 47 30.1 | | 046 |
| C/1995 O1 | 1995 08 04.55176 | 18 35 39.37 | -31 48 29.4 | 13.2 T | 357 | 6P | 1995 07 10.96104 | 22 33 10.97 | +05 47 28.2 | | 046 |
| C/1995 O1 | 1995 08 04.55590 | 18 35 39.24 | -31 48 29.2 | 13.0 T | 357 | 6P | 1995 07 12.02317 | 22 36 18.39 | +05 25 21.8 | | 595 |
| C/1995 O1 | 1995 08 04.83528 | 18 35 28.46 | -31 47 55.4 | | 046 | 6P | 1995 07 12.03325 | 22 36 20.18 | +05 25 08.9 | | 595 |
| C/1995 O1 | 1995 08 04.83788 | 18 35 28.35 | -31 47 54.9 | | 046 | 6P | 1995 07 14.58059 | 22 43 51.49 | +04 27 28.8 | | 897 |
| C/1995 O1 | 1995 08 04.84144 | 18 35 28.22 | -31 47 54.6 | | 046 | 6P | 1995 07 14.58891 | 22 43 52.87 | +04 27 16.4 | | 897 |
| C/1995 O1 | 1995 08 04.85957 | 18 35 27.50 | -31 47 50.9 | 12.5 T | 540 | 6P | 1995 07 14.59531 | 22 43 54.05 | +04 27 08.0 | | 897 |
| C/1995 O1 | 1995 08 04.86082 | 18 35 27.47 | -31 47 51.6 | 12.5 T | 540 | 6P | 1995 07 19.98041 | 22 59 45.40 | +02 03 24.1 | 15.2 N | 557 |
| C/1995 O1 | 1995 08 04.86198 | 18 35 27.42 | -31 47 51.3 | 12.6 T | 540 | 6P | 1995 07 19.98772 | 22 59 46.65 | +02 03 11.2 | | 557 |

| | | | | | | | | | | | |
|----------------------------------|------------------|-------------|-------------|--------|-----|--|---------------------------------------|-------------|-------------|--------|-----|
| 58P | 1995 07 26.05104 | 21 24 19.14 | +02 52 15.2 | 17.4 T | 046 | 67P | 1995 08 04.67512 | 23 12 29.92 | -18 20 27.2 | 15.8 T | 410 |
| 58P | 1995 07 26.05319 | 21 24 19.18 | +02 52 14.5 | | 046 | 67P | 1995 08 04.68542 | 23 12 29.83 | -18 20 30.9 | | 410 |
| 58P | 1995 07 26.05773 | 21 24 19.27 | +02 52 12.9 | | 046 | 67P | 1995 08 04.68914 | 23 12 29.65 | -18 20 32.4 | | 410 |
| 58P | 1995 07 26.91021 | 21 24 42.19 | +02 46 57.4 | 16.8 T | 118 | 67P | 1995 08 04.96441 | 23 12 25.95 | -18 22 15.9 | | 046 |
| 58P | 1995 07 26.95067 | 21 24 43.12 | +02 46 41.6 | 17.5 T | 046 | 67P | 1995 08 04.96653 | 23 12 25.91 | -18 22 16.8 | | 046 |
| 58P | 1995 07 26.95275 | 21 24 43.15 | +02 46 40.4 | | 046 | 67P | 1995 08 04.96856 | 23 12 25.88 | -18 22 17.4 | | 046 |
| 58P | 1995 07 26.95698 | 21 24 43.22 | +02 46 38.8 | | 046 | 71P/Clark | | | | | |
| 58P | 1995 07 27.64913 | 21 25 01.14 | +02 42 05.9 | 16.7 T | 360 | 71P | 1995 07 14.60537 | 20 38 04.98 | -39 51 52.1 | | 897 |
| 58P | 1995 07 27.65260 | 21 25 01.21 | +02 42 04.6 | | 360 | 71P | 1995 07 14.61795 | 20 38 04.76 | -39 52 00.0 | | 897 |
| 58P | 1995 07 27.71806 | 21 25 02.56 | +02 41 37.5 | | 360 | 71P | 1995 07 14.62057 | 20 38 04.69 | -39 52 00.7 | | 897 |
| 58P | 1995 07 29.91712 | 21 25 58.55 | +02 24 53.0 | | 118 | 71P | 1995 07 23.68142 | 20 35 25.66 | -40 47 52.0 | | 897 |
| 58P | 1995 07 30.92945 | 21 26 23.38 | +02 16 08.8 | | 118 | 71P | 1995 07 23.69413 | 20 35 25.15 | -40 47 54.0 | | 897 |
| 58P | 1995 07 30.94051 | 21 26 23.65 | +02 16 02.7 | | 557 | 71P | 1995 07 27.63750 | 20 33 58.50 | -41 00 54.4 | 12.1 T | 360 |
| 58P | 1995 07 30.96374 | 21 26 24.13 | +02 15 50.4 | 16.9 N | 557 | 71P | 1995 07 27.64201 | 20 33 58.37 | -41 00 55.0 | | 360 |
| 58P | 1995 07 30.96811 | 21 26 24.22 | +02 15 48.0 | 16.0 T | 557 | 71P | 1995 07 31.60799 | 20 32 31.63 | -41 06 46.1 | 12.0 T | 360 |
| 58P | 1995 07 31.64861 | 21 26 40.78 | +02 09 35.7 | 15.9 T | 360 | 71P | 1995 07 31.61406 | 20 32 31.45 | -41 06 46.1 | | 360 |
| 58P | 1995 07 31.65174 | 21 26 40.84 | +02 09 33.8 | | 360 | 74P/Smirnova-Chernykh | | | | | |
| 58P | 1995 07 31.92611 | 21 26 47.67 | +02 06 54.3 | | 557 | 74P | 1995 07 27.59931 | 20 27 28.45 | -25 28 25.0 | 17.4 T | 360 |
| 58P | 1995 07 31.93259 | 21 26 47.81 | +02 06 50.4 | 16.8 N | 557 | 74P | 1995 07 27.60486 | 20 27 28.23 | -25 28 26.2 | | 360 |
| 58P | 1995 07 31.93860 | 21 26 47.93 | +02 06 46.8 | 16.2 T | 557 | 88P/Howell | | | | | |
| 58P | 1995 08 01.64201 | 21 27 04.78 | +01 59 54.2 | 15.8 T | 360 | 88P | 1955 05 22.28194 | 15 21 00.67 | -12 13 45.5 | 18.8 T | 675 |
| 58P | 1995 08 01.64549 | 21 27 04.85 | +01 59 52.1 | | 360 | 88P | 1955 05 22.30694 | 15 20 58.10 | -12 13 47.0 | | 675 |
| 58P | 1995 08 02.41397 | 21 27 22.76 | +01 51 55.2 | 19.8 N | 691 | 119P/Parker-Hartley | | | | | |
| 58P | 1995 08 02.41916 | 21 27 22.85 | +01 51 51.8 | 17.7 T | 691 | 119P | 1995 08 01.71458 | 00 59 11.27 | +12 05 36.7 | 18.0 T | 360 |
| 58P | 1995 08 03.88568 | 21 27 58.58 | +01 35 31.0 | 16.5 T | 046 | 119P | 1995 08 01.71944 | 00 59 11.32 | +12 05 37.5 | | 360 |
| 58P | 1995 08 03.92949 | 21 27 59.47 | +01 35 00.6 | | 046 | 119P | 1995 08 01.72413 | 00 59 11.42 | +12 05 38.6 | | 360 |
| 58P | 1995 08 03.93367 | 21 27 59.56 | +01 34 57.6 | | 046 | 119P | 1995 08 03.03376 | 00 59 30.82 | +12 08 57.7 | | 118 |
| 58P | 1995 08 04.92339 | 21 28 23.03 | +01 23 05.6 | | 046 | 119P | 1995 08 03.05749 | 00 59 31.17 | +12 09 00.8 | 17.6 T | 118 |
| 58P | 1995 08 04.92546 | 21 28 23.07 | +01 23 04.1 | | 046 | 119P | 1995 08 04.05632 | 00 59 44.86 | +12 11 26.5 | 17.9 T | 118 |
| 58P | 1995 08 04.92753 | 21 28 23.11 | +01 23 02.7 | | 046 | 120P/Mueller 1 | | | | | |
| 58P | 1995 08 04.95089 | 21 28 23.75 | +01 22 44.7 | 15.9 T | 966 | 120P | 1995 07 30.43941 | 23 14 25.45 | -11 43 36.0 | 22.2 T | 691 |
| 58P | 1995 08 04.99274 | 21 28 24.62 | +01 22 13.6 | 15.9 T | 966 | 120P | 1995 07 30.45900 | 23 14 25.07 | -11 43 36.8 | 21.9 T | 691 |
| 58P | 1995 08 06.90763 | 21 29 10.09 | +00 57 13.5 | | 557 | 120P | 1995 07 30.46644 | 23 14 25.01 | -11 43 37.8 | 22.5 T | 691 |
| 58P | 1995 08 06.91086 | 21 29 10.15 | +00 57 10.6 | | 557 | 120P | 1995 08 01.42770 | 23 13 50.27 | -11 45 55.9 | 21.9 T | 691 |
| 58P | 1995 08 06.92924 | 21 29 10.51 | +00 56 55.5 | 16.8 N | 557 | 120P | 1995 08 01.44590 | 23 13 49.91 | -11 45 58.0 | | 691 |
| 58P | 1995 08 06.93212 | 21 29 10.57 | +00 56 53.3 | 16.4 T | 557 | 120P | 1995 08 01.46213 | 23 13 49.57 | -11 45 57.6 | | 691 |
| 67P/Churyumov-Gerasimenko | | | | | | | | | | | |
| 67P | 1995 07 25.04163 | 23 13 16.88 | -17 23 00.1 | 17.4 T | 118 | Note 1: poor distribution of reference stars. | | | | | |
| 67P | 1995 07 26.03214 | 23 13 20.87 | -17 27 35.2 | 17.3 T | 118 | OBSERVATIONS OF MINOR PLANETS | | | | | |
| 67P | 1995 07 27.05276 | 23 13 23.01 | -17 32 26.1 | 17.0 T | 118 | The observations are listed separately for each observatory code. Alphabetic | | | | | |
| 67P | 1995 07 27.72535 | 23 13 23.49 | -17 35 46.0 | 16.6 T | 360 | note codes shown with some of the observations are defined according to the scheme | | | | | |
| 67P | 1995 07 27.73750 | 23 13 23.47 | -17 35 49.7 | | 360 | below. Numeric codes are defined in the headings for the individual observatories. | | | | | |
| 67P | 1995 08 01.70295 | 23 13 03.16 | -18 02 36.4 | 16.0 T | 360 | A | earlier approximate position inferior | | | | |
| 67P | 1995 08 01.70781 | 23 13 03.09 | -18 02 38.1 | | 360 | a | sense of motion ambiguous | | | | |
| 67P | 1995 08 02.42714 | 23 12 56.43 | -18 06 50.1 | 19.3 N | 691 | B | black or dark plate | | | | |
| 67P | 1995 08 03.00356 | 23 12 50.57 | -18 10 16.3 | | 595 | b | bad seeing | | | | |
| 67P | 1995 08 03.01750 | 23 12 50.41 | -18 10 20.9 | | 595 | C | correction to earlier position | | | | |
| 67P | 1995 08 04.01171 | 23 12 38.76 | -18 16 22.1 | 16.0 T | 046 | c | crowded star field | | | | |
| 67P | 1995 08 04.01493 | 23 12 38.70 | -18 16 22.9 | | 595 | | | | | | |
| 67P | 1995 08 04.01578 | 23 12 38.71 | -18 16 23.5 | | 046 | | | | | | |
| 67P | 1995 08 04.02257 | 23 12 38.59 | -18 16 26.1 | | 046 | | | | | | |
| 67P | 1995 08 04.03296 | 23 12 38.45 | -18 16 29.9 | | 595 | | | | | | |

| | | | | | | |
|---|---|-------------|------------------|-----------------|-------------|-----------|
| D | declination uncertain | (2) | 1989 12 22.77326 | 00 32 07.17 | -18 25 55.0 | 006 |
| d | diffuse image | (2) | 1989 12 22.77882 | 00 32 07.37 | -18 25 53.8 | 006 |
| E | at or near edge of plate | (3) | 1989 04 28.85139 | 09 53 59.50 | +11 45 06.6 | 006 |
| F | faint image | (3) | 1989 04 28.85833 | 09 53 59.71 | +11 45 07.0 | 006 |
| f | involved with emulsion or plate flaw | (3) | 1989 04 28.86528 | 09 53 59.92 | +11 45 07.6 | 006 |
| G | poor guiding | (4) | 1989 10 09.77118 | 18 49 39.47 | -26 02 34.4 | 006 |
| g | no guiding | (4) | 1989 10 09.77812 | 18 49 40.11 | -26 02 34.0 | 006 |
| I | involved with star | (4) | 1989 10 09.78507 | 18 49 40.77 | -26 02 33.8 | 006 |
| i | inkdot measured | (6) | 1989 02 09.82431 | 08 10 30.40 | +15 44 09.0 | 006 |
| J | J2000.0 rereduction of previously-reported position | (6) | 1989 02 09.83098 | 08 10 30.06 | +15 44 12.7 | 006 |
| M | measurement difficult | (6) | 1989 02 09.83958 | 08 10 29.63 | +15 44 17.7 | 006 |
| N | near edge of plate, measurement uncertain | (6) | 1989 02 09.84618 | 08 10 29.30 | +15 44 21.3 | 006 |
| O | image out of focus | (6) | 1989 02 28.85486 | 07 59 31.85 | +18 21 11.9 | 006 |
| o | plate measured in one direction only | (6) | 1989 02 28.86180 | 07 59 31.69 | +18 21 14.6 | 006 |
| P | position uncertain | (6) | 1989 02 28.86736 | 07 59 31.60 | +18 21 17.0 | 006 |
| p | poor image | (6) | 1989 03 22.94410 | 07 59 50.60 | +20 18 22.9 | 006 |
| R | right ascension uncertain | (6) | 1989 03 22.95104 | 07 59 50.72 | +20 18 24.3 | 006 |
| r | poor distribution of reference stars | (6) | 1989 03 22.95799 | 07 59 50.86 | +20 18 25.8 | 006 |
| S | poor sky | (6) | 1989 05 05.86979 | 08 34 12.63 | +21 01 29.6 | 006 |
| s | streaked image | (6) | 1989 05 05.87674 | 08 34 13.09 | +21 01 28.9 | 006 |
| T | time uncertain | (6) | 1989 05 05.88368 | 08 34 13.54 | +21 01 28.2 | 006 |
| t | trailed image | (7) | 1989 02 02.90417 | 09 29 57.84 | +06 07 06.6 | 006 |
| U | uncertain image | (7) | 1989 02 02.91111 | 09 29 57.39 | +06 07 08.3 | 006 |
| u | unconfirmed image | (7) | 1989 02 02.91806 | 09 29 56.92 | +06 07 09.7 | 006 |
| V | very faint image | (7) | 1989 03 03.82951 | 09 03 11.80 | +08 10 03.3 | 006 |
| W | weak image | (7) | 1989 03 03.83646 | 09 03 11.53 | +08 10 05.2 | 006 |
| w | weak solution | (7) | 1989 03 03.84340 | 09 03 11.26 | +08 10 07.0 | 006 |
| Object | Date | UT | α_{2000} | δ_{2000} | Mag. | N Obs. |
| 006 Barcelona | | | | | | |
| J. M. Codina, Fabra Observatory, E-08022 Barcelona, Spain | | | | | | (15) |
| [fabra@fajnm1.am.ub.es] | | | | | | (15) |
| Observers J. M. Codina, J. Nuñez, N. Torras | | | | | | (15) |
| Measurers N. Torras, A. Olle, J. Nuñez | | | | | | (21) |
| 0.38-m <i>f</i> /11 Mailhat astrograph | | | | | | (21) |
| PPM | | | | | | (21) |
| (1) | 1989 09 02.11181 | 05 39 35.49 | +20 26 41.0 | | | 006 (39) |
| (1) | 1989 09 02.11875 | 05 39 35.99 | +20 26 41.8 | | | 006 (39) |
| (1) | 1989 09 02.12535 | 05 39 36.45 | +20 26 42.9 | | | 006 (39) |
| (1) | 1989 09 09.14306 | 05 47 51.28 | +20 40 27.8 | | | 006 (39) |
| (1) | 1989 09 09.14861 | 05 47 51.65 | +20 40 28.4 | | | 006 (39) |
| (1) | 1989 09 09.15417 | 05 47 52.02 | +20 40 29.2 | | | 006 (39) |
| (1) | 1989 12 30.90139 | 05 42 19.58 | +26 22 26.3 | | | 006 (40) |
| (1) | 1989 12 30.90486 | 05 42 19.36 | +26 22 27.0 | | | 006 (40) |
| (1) | 1989 12 30.90833 | 05 42 19.16 | +26 22 27.8 | | | 006 (40) |
| (2) | 1989 08 26.98056 | 01 08 53.53 | -01 46 03.2 | | | 006 (43) |
| (2) | 1989 08 26.98750 | 01 08 53.46 | -01 46 08.7 | | | 006 (43) |
| (2) | 1989 08 26.99444 | 01 08 53.38 | -01 46 14.0 | | | 006 (43) |
| (2) | 1989 12 13.77639 | 00 27 09.36 | -18 53 21.5 | | | 006 (69) |
| (2) | 1989 12 13.78472 | 00 27 09.59 | -18 53 20.4 | | | 006 (69) |
| (2) | 1989 12 13.79306 | 00 27 09.81 | -18 53 19.1 | | | 006 (69) |
| (2) | 1989 12 22.76771 | 00 32 06.95 | -18 25 56.3 | | | 006 (115) |

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|-------|------------------|-------------|-------------|-----|
| (115) | 1989 12 13.82778 | 03 48 31.26 | +39 15 37.6 | 006 |
| (115) | 1989 12 13.83403 | 03 48 30.94 | +39 15 33.4 | 006 |
| (115) | 1989 12 13.84028 | 03 48 30.66 | +39 15 29.1 | 006 |
| (115) | 1989 12 19.86285 | 03 44 44.02 | +38 04 49.8 | 006 |
| (115) | 1989 12 19.87014 | 03 44 43.77 | +38 04 44.7 | 006 |
| (115) | 1989 12 19.87708 | 03 44 43.53 | +38 04 39.6 | 006 |
| (192) | 1989 12 30.82500 | 04 21 44.68 | +33 37 42.8 | 006 |
| (192) | 1989 12 30.83194 | 04 21 44.46 | +33 37 40.3 | 006 |
| (192) | 1989 12 30.83889 | 04 21 44.24 | +33 37 38.0 | 006 |
| (372) | 1989 12 30.74826 | 03 57 08.03 | +56 06 14.0 | 006 |
| (372) | 1989 12 30.75521 | 03 57 07.83 | +56 06 08.3 | 006 |
| (372) | 1989 12 30.76215 | 03 57 07.65 | +56 06 02.8 | 006 |
| (389) | 1989 12 19.80694 | 02 26 44.71 | +23 09 04.0 | 006 |
| (389) | 1989 12 19.81667 | 02 26 44.60 | +23 09 01.1 | 006 |
| (389) | 1989 12 19.82708 | 02 26 44.48 | +23 08 57.8 | 006 |
| (532) | 1989 09 15.13264 | 02 02 35.35 | -11 26 44.0 | 006 |
| (532) | 1989 09 15.13958 | 02 02 35.16 | -11 26 47.2 | 006 |
| (532) | 1989 09 15.14653 | 02 02 35.00 | -11 26 50.0 | 006 |
| (532) | 1989 09 15.15278 | 02 02 34.82 | -11 26 52.9 | 006 |
| (747) | 1989 12 19.89497 | 03 39 51.85 | -09 12 57.4 | 006 |
| (747) | 1989 12 19.90104 | 03 39 51.70 | -09 12 52.0 | 006 |
| (747) | 1989 12 19.90833 | 03 39 51.58 | -09 12 45.8 | 006 |
| (804) | 1989 12 21.92847 | 02 39 24.40 | +37 25 47.4 | 006 |
| (804) | 1989 12 21.93958 | 02 39 24.20 | +37 25 43.3 | 006 |
| (804) | 1989 12 21.95000 | 02 39 23.98 | +37 25 39.5 | 006 |

033 Tautenburg

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Germany [vib@rz.uni-jena.de]

1.3-m Schmidt telescope

PPM

| | | | | |
|----------------------|--------------------|-------------|-------------|----------|
| 1994 XN ₄ | 1995 02 24.09063 | 11 51 50.53 | +00 31 06.0 | 033 |
| 1995 EF ₉ | * 1995 03 05.11111 | 15 16 11.44 | -04 43 56.6 | 18.4 033 |
| 1995 EF ₉ | 1995 03 05.16181 | 15 16 12.21 | -04 43 50.1 | 033 |
| 1995 EF ₉ | 1995 03 07.14514 | 15 16 42.06 | -04 39 18.6 | 033 |
| (3140) | 1995 03 05.11111 | 15 21 25.97 | -05 27 56.0 | 17.8 033 |
| (3140) | 1995 03 05.16181 | 15 21 26.54 | -05 27 48.4 | 033 |
| (3140) | 1995 03 07.14514 | 15 21 46.15 | -05 23 17.3 | 033 |
| (4512) | 1995 03 05.11111 | 15 18 01.29 | -04 37 47.7 | 17.7 033 |
| (4512) | 1995 03 05.16181 | 15 18 02.11 | -04 37 37.2 | 033 |
| (4512) | 1995 03 07.14514 | 15 18 30.99 | -04 30 25.4 | 033 |
| (4512) | 1995 03 30.09028 | 15 16 35.54 | -02 44 52.8 | 17.2 033 |
| (4512) | 1995 03 30.13299 | 15 16 34.53 | -02 44 39.3 | 033 |
| (6488) | 1995 03 05.11111 | 15 20 16.11 | -03 59 06.8 | 18.8 033 |
| (6488) | 1995 03 05.16181 | 15 20 17.01 | -03 58 59.2 | 033 |
| (6488) | 1995 03 07.14514 | 15 20 50.57 | -03 53 55.3 | 033 |
| (6488) | 1995 03 30.09028 | 15 19 54.00 | -02 33 57.6 | 18.3 033 |
| (6488) | 1995 03 30.13299 | 15 19 53.13 | -02 33 47.4 | 033 |
| (6488) | 1995 04 24.08819 | 15 03 46.13 | -00 56 23.2 | 17.8 033 |

046 Kletř

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Measurers Z. Moravec, M. Tichý

0.57-m reflector + CCD, 0.63-m Maksutov telescope

GSC

| | | | | | | |
|----------------------|------------------|-------------|-------------|--------|---|-----|
| 1980 DL | 1995 08 03.06753 | 23 32 05.02 | -02 13 24.6 | 19.5 R | r | 046 |
| 1980 DL | 1995 08 03.07426 | 23 32 04.96 | -02 13 24.9 | | r | 046 |
| 1980 DL | 1995 08 03.07788 | 23 32 04.71 | -02 13 26.2 | | r | 046 |
| 1980 DL | 1995 08 03.99321 | 23 31 43.34 | -02 14 40.1 | 19.5 V | | 046 |
| 1980 DL | 1995 08 03.99753 | 23 31 43.12 | -02 14 40.7 | | | 046 |
| 1980 DL | 1995 08 04.00333 | 23 31 42.94 | -02 14 40.4 | | | 046 |
| 1980 PW | 1995 07 22.06388 | 20 45 21.53 | -19 03 30.9 | 16.6 V | | 046 |
| 1980 PW | 1995 07 22.06796 | 20 45 21.29 | -19 03 31.1 | | | 046 |
| 1980 PW | 1995 07 22.07087 | 20 45 21.16 | -19 03 31.3 | | | 046 |
| 1980 PW | 1995 07 24.88262 | 20 42 40.28 | -19 06 08.9 | 16.5 V | | 046 |
| 1980 PW | 1995 07 24.89007 | 20 42 39.81 | -19 06 09.4 | | | 046 |
| 1980 PW | 1995 07 24.89458 | 20 42 39.55 | -19 06 09.7 | | | 046 |
| 1980 SG | 1995 07 29.97946 | 21 09 31.22 | -29 25 55.2 | 16.7 R | | 046 |
| 1980 SG | 1995 07 29.98197 | 21 09 31.07 | -29 25 56.0 | | | 046 |
| 1980 SG | 1995 07 29.98661 | 21 09 30.77 | -29 25 57.0 | | | 046 |
| 1980 SG | 1995 07 30.91422 | 21 08 34.45 | -29 29 24.8 | 16.5 R | | 046 |
| 1980 SG | 1995 07 30.91624 | 21 08 34.38 | -29 29 25.6 | | | 046 |
| 1980 SG | 1995 07 30.92047 | 21 08 34.10 | -29 29 26.6 | | | 046 |
| 1981 TJ | 1995 08 04.02645 | 00 49 37.15 | +10 35 45.6 | 17.3 V | r | 046 |
| 1981 TJ | 1995 08 04.02836 | 00 49 37.21 | +10 35 45.0 | | r | 046 |
| 1981 TJ | 1995 08 04.02910 | 00 49 37.24 | +10 35 46.3 | | r | 046 |
| 1981 TJ | 1995 08 05.03734 | 00 49 56.97 | +10 38 45.7 | 17.3 V | | 046 |
| 1981 TJ | 1995 08 05.04020 | 00 49 57.02 | +10 38 46.3 | | | 046 |
| 1981 TJ | 1995 08 05.04447 | 00 49 57.08 | +10 38 46.8 | | | 046 |
| 1982 QD | 1995 07 26.89277 | 19 14 01.82 | -22 10 58.1 | 16.7 V | | 046 |
| 1982 QD | 1995 07 26.89479 | 19 14 01.67 | -22 10 58.1 | | | 046 |
| 1982 QD | 1995 07 26.89937 | 19 14 01.34 | -22 10 58.1 | | | 046 |
| 1982 QM | 1995 07 30.89102 | 19 01 34.99 | -16 21 10.5 | 17.4 R | r | 046 |
| 1982 QM | 1995 07 30.89301 | 19 01 34.91 | -16 21 11.0 | | r | 046 |
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|----------------------|------------------|-------------|-------------|--------|-------|----------------------|------------------|-------------|-------------|--------|-------|
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| 1984 DE | 1995 08 05.05355 | 00 57 42.27 | +12 29 45.6 | | 046 | 1988 QW | 1995 08 05.09229 | 01 28 33.12 | +12 32 27.7 | | 046 |
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| 1984 UK ₁ | 1995 07 30.08867 | 22 50 55.94 | -01 41 25.0 | | 046 | 1988 TC ₂ | 1995 07 30.04073 | 22 28 41.51 | -07 13 41.1 | | 046 |
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| 1988 AV ₁ | 1995 08 02.00100 | 22 06 17.03 | -18 41 32.2 | | r 046 | 1995 JC | 1995 07 16.86955 | 14 36 11.26 | -18 04 34.4 | | 046 |
| 1988 AV ₁ | 1995 08 02.00818 | 22 06 16.75 | -18 41 36.2 | | r 046 | 1995 JD | 1995 07 13.87688 | 14 33 23.88 | -11 54 58.3 | 18.8 R | V 046 |
| 1988 AV ₁ | 1995 08 03.03600 | 22 05 32.58 | -18 48 40.4 | 18.8 R | 046 | 1995 JD | 1995 07 13.88093 | 14 33 24.06 | -11 54 58.5 | | V 046 |
| 1988 AV ₁ | 1995 08 03.04021 | 22 05 32.45 | -18 48 42.1 | | 046 | 1995 JD | 1995 07 16.87691 | 14 36 02.27 | -12 06 17.5 | 18.8 V | 046 |
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|---------|--------------------|-------------|-------------|--------|-------|---------|------------------|------------------|-------------|-------------|------------|
| 1995 KJ | 1995 07 16.90725 | 15 08 08.76 | -14 34 20.4 | 19.9 V | V 046 | 1995 PB | 1995 08 04.08287 | 01 31 14.33 | +10 19 31.3 | 046 | |
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| 1995 NB | 1995 08 01.93647 | 21 26 46.09 | -19 54 49.5 | 15.6 R | 046 | | (1009) | 1995 08 04.87017 | 19 29 12.28 | +02 53 19.1 | 18.3 V 046 |
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| 1995 OZ | 1995 07 30.09367 | 22 51 14.11 | -01 37 03.6 | | 046 | | (2146) | 1995 07 10.98453 | 20 26 30.46 | -10 34 54.6 | 046 |
| 1995 OZ | 1995 07 30.92936 | 22 50 50.67 | -01 39 34.9 | 18.7 R | r 046 | | (2146) | 1995 08 04.88094 | 20 13 21.48 | -12 52 44.1 | 17.4 V 046 |
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| 1995 PA | * 1995 08 01.96030 | 21 33 08.30 | -21 32 17.7 | 18.7 R | 046 | | (2204) | 1995 08 04.85791 | 19 16 45.98 | -01 43 03.5 | 046 |
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| 1995 PA | 1995 08 03.01247 | 21 32 12.88 | -21 38 29.2 | 18.5 R | 046 | | (3040) | 1995 08 05.94765 | 22 13 26.70 | -07 58 47.2 | 16.3 R 046 |
| 1995 PA | 1995 08 03.01455 | 21 32 12.78 | -21 38 29.7 | | 046 | | (3040) | 1995 08 05.95075 | 22 13 26.50 | -07 58 54.3 | 046 |
| 1995 PA | 1995 08 03.01656 | 21 32 12.64 | -21 38 30.9 | | 046 | | (3040) | 1995 08 05.95249 | 22 13 26.40 | -07 58 58.6 | 046 |
| 1995 PA | 1995 08 03.02094 | 21 32 12.44 | -21 38 32.8 | | 046 | | (3101) | 1995 07 12.89063 | 16 28 22.83 | +22 38 47.8 | 17.0 R 046 |
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| (5332) | 1995 08 04.91426 | 21 27 01.77 | -10 03 48.2 | | 046 | 1989 EC ₃ | 1995 07 19.04167 | 22 16 10.70 | -01 41 18.0 | | 104 |
| (5332) | 1995 08 04.91635 | 21 27 01.60 | -10 03 50.4 | | 046 | 1989 UU ₁ | 1995 07 18.98264 | 21 21 14.47 | -09 42 32.8 | 16.5 V | 104 |
| (6053) | 1995 07 11.04850 | 23 42 50.16 | -07 12 23.0 | 16.7 R | 046 | 1989 UU ₁ | 1995 07 18.98680 | 21 21 14.26 | -09 42 32.9 | | 104 |
| (6053) | 1995 07 11.05039 | 23 42 50.37 | -07 12 18.5 | | 046 | 1989 UU ₁ | 1995 07 18.99120 | 21 21 14.00 | -09 42 33.0 | | 104 |
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| E. W. Elst, Observatoire Royal de Belgique, Avenue Circulaire 3, B-1180 Brussels, Belgium [elst@atmos.oma.be] | | | | | | 1992 SO ₂₄ | 1995 06 18.95417 | 17 30 24.52 | -14 43 26.5 | | 104 |
| Observers E. W. Elst, V. Ivanova, V. Umlenski | | | | | | 1992 SO ₂₄ | 1995 06 18.96111 | 17 30 24.05 | -14 43 25.5 | | 104 |
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| 104 San Marcello Pistoiese | | | | | | 1993 BW ₂ | 1995 06 16.88750 | 17 47 29.31 | +10 01 41.7 | 19.0 V | 104 |
| L. Tesi, Osservatorio di Pian dei Termini, Viale Panoramico 45, I-51028 San Marcello Pistoiese (PT), Italy [iau@arcetri.astro.it] | | | | | | 1993 BW ₂ | 1995 06 16.89306 | 17 47 28.56 | +10 01 38.2 | | 104 |
| Observers L. Tesi, A. Boattini | | | | | | 1993 BW ₂ | 1995 06 16.89792 | 17 47 27.94 | +10 01 35.1 | | 104 |
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| | | | | | | 107 Cavezzo | | | | | |
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| | | | | | | 41032 Cavezzo (MO), Italy [astrofil@astbo1.bo.cnr.it] | | | | | |
| | | | | | | Observers R. Calanca, R. Bonomi, F. Manenti, M. Fusari, C. Casarini, M. Facchini, | | | | | |
| | | | | | | M. Nicolini, G. Mengoli, F. Cadegani | | | | | |
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| 1995 OC | 1995 08 01.86007 | 19 42 31.14 | -15 54 38.9 | 107 |
| 1995 OC | 1995 08 01.86751 | 19 42 30.81 | -15 54 40.6 | 107 |

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0.3-m $f/8.3$ Schmidt-Cassegrain + CCD

GSC

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[100341.75@compuserve.com]

0.20-m $f/10$ reflector + CCD

GSC

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Comenius University, SK-84215 Bratislava, Slovakia [gajdos@fmph.uniba.sk]

Observers P. Kolény, L. Kornoš

0.6-m $f/5.5$ reflector + CCD

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| 1988 NY | 1995 07 25.84765 | 16 52 23.74 | -11 46 27.4 | | 118 |
| 1988 NY | 1995 07 25.85582 | 16 52 23.70 | -11 46 37.6 | | 118 |
| 1988 NY | 1995 07 25.86539 | 16 52 23.66 | -11 46 49.5 | | 118 |
| 1988 NY | 1995 07 26.84118 | 16 52 22.68 | -12 07 20.8 | | 118 |
| 1988 NY | 1995 07 26.84850 | 16 52 22.66 | -12 07 29.9 | | 118 |
| 1988 NY | 1995 07 26.85156 | 16 52 22.66 | -12 07 34.0 | 18.3 R | 118 |
| 1988 NY | 1995 07 29.85566 | 16 52 33.52 | -13 09 56.5 | | 118 |
| 1988 NY | 1995 07 30.89918 | 16 52 42.15 | -13 31 18.5 | | r 118 |
| 1988 TG | 1995 08 02.94800 | 17 25 19.70 | +10 33 14.1 | 17.8 R | 118 |
| 1988 TG | 1995 08 02.95862 | 17 25 19.48 | +10 33 09.1 | 18.2 R | 118 |
| 1988 TG | 1995 08 02.97238 | 17 25 19.20 | +10 33 03.5 | 18.3 R | 118 |
| 1988 TG | 1995 08 03.90347 | 17 25 01.93 | +10 26 37.1 | 17.7 R | 118 |
| 1988 TG | 1995 08 03.91106 | 17 25 01.81 | +10 26 34.0 | | 118 |
| 1994 AP ₂ | 1995 07 22.86930 | 16 37 28.94 | +06 03 08.9 | 17.4 R | 118 |
| 1994 AP ₂ | 1995 07 22.88237 | 16 37 28.75 | +06 03 01.1 | | 118 |
| 1994 AP ₂ | 1995 07 22.88657 | 16 37 28.66 | +06 02 58.8 | | 118 |
| 1994 AP ₂ | 1995 07 31.88360 | 16 36 03.15 | +04 30 49.9 | 17.4 R | 118 |
| 1994 AP ₂ | 1995 07 31.89307 | 16 36 03.13 | +04 30 44.5 | 17.7 R | 118 |
| 1994 AP ₂ | 1995 08 02.92976 | 16 35 59.91 | +04 09 13.3 | 17.2 R | 118 |
| 1994 AP ₂ | 1995 08 02.93399 | 16 35 59.94 | +04 09 10.9 | 17.2 R | 118 |
| 1994 AP ₂ | 1995 08 03.85491 | 16 36 00.54 | +03 59 22.4 | | 118 |

| | | | | | |
|---------|------------------|-------------|-------------|--------|-----|
| 1995 OX | 1995 08 01.66181 | 21 20 30.35 | +02 51 33.8 | | 360 |
| (2970) | 1995 08 03.67448 | 00 12 46.11 | +01 56 22.9 | 16.8 V | 360 |
| (2970) | 1995 08 03.69184 | 00 12 46.02 | +01 56 27.5 | | 360 |
| (2970) | 1995 08 07.66806 | 00 12 15.94 | +02 14 38.4 | 16.7 V | 360 |
| (2970) | 1995 08 07.68993 | 00 12 15.66 | +02 14 44.2 | | 360 |
| (3079) | 1995 08 03.67882 | 00 05 59.17 | +02 13 57.0 | 18.8 V | 360 |
| (3079) | 1995 08 03.71163 | 00 05 58.87 | +02 13 54.1 | | 360 |
| (3079) | 1995 08 07.67361 | 00 05 17.64 | +02 07 19.6 | 18.7 V | 360 |
| (3079) | 1995 08 07.69479 | 00 05 17.32 | +02 07 16.5 | | 360 |
| (3079) | 1995 08 07.69861 | 00 05 17.30 | +02 07 16.6 | | 360 |
| (3104) | 1995 08 03.68299 | 00 36 54.26 | -01 05 47.0 | 15.7 V | 360 |
| (3104) | 1995 08 03.69688 | 00 36 54.43 | -01 05 53.3 | | 360 |
| (3104) | 1995 08 07.67813 | 00 37 40.42 | -01 37 57.9 | 15.7 V | 360 |
| (3104) | 1995 08 07.70208 | 00 37 40.60 | -01 38 10.1 | | 360 |
| (3245) | 1995 08 03.68733 | 00 45 19.30 | +04 54 51.3 | 18.6 V | 360 |
| (3245) | 1995 08 03.70191 | 00 45 19.39 | +04 54 52.3 | | 360 |
| (3245) | 1995 08 03.70642 | 00 45 19.41 | +04 54 52.7 | | 360 |
| (3245) | 1995 08 07.68264 | 00 45 50.54 | +04 58 35.2 | 18.4 V | 360 |
| (3245) | 1995 08 07.72587 | 00 45 50.69 | +04 58 37.3 | | 360 |
| (3245) | 1995 08 07.72969 | 00 45 50.72 | +04 58 37.9 | | 360 |

367 Yatsuka

H. Abe, 461-2, Futago, Yatsuka-Cho, Shimane-Ken 690-14, Japan
0.26-m $f/4.8$ reflector + CCD

| | | | | | |
|---------|------------------|-------------|-------------|--------|-----|
| GSC | | | | | |
| 1991 HH | 1995 07 26.57968 | 20 05 40.92 | -10 42 59.9 | 15.6 V | 367 |
| 1991 HH | 1995 07 26.59635 | 20 05 40.04 | -10 43 00.6 | | 367 |
| 1991 HH | 1995 07 29.53199 | 20 03 09.71 | -10 46 48.6 | 16.1 V | 367 |
| 1991 HH | 1995 07 29.53517 | 20 03 09.55 | -10 46 49.1 | | 367 |
| 1991 HH | 1995 07 29.53848 | 20 03 09.37 | -10 46 49.2 | | 367 |
| 1992 TY | 1995 07 26.58880 | 20 44 08.80 | -16 25 16.9 | 15.3 V | 367 |
| 1992 TY | 1995 07 26.60316 | 20 44 08.06 | -16 25 23.6 | | 367 |
| 1992 TY | 1995 07 31.57572 | 20 40 06.36 | -17 07 40.6 | 15.1 V | 367 |
| 1992 TY | 1995 07 31.57862 | 20 40 06.20 | -17 07 42.4 | | 367 |
| 1992 TY | 1995 07 31.58148 | 20 40 06.05 | -17 07 43.6 | | 367 |

372 Geisei

T. Seki, Kamimachi 2-9-35, Kochi 780, Japan
0.60-m $f/3.5$ reflector
ACRS

| | | | | | |
|---------|--------------------|-------------|-------------|------|-----|
| 1995 OP | * 1995 07 25.61563 | 21 07 34.01 | -19 51 33.0 | 17 | 372 |
| 1995 OP | 1995 07 25.62743 | 21 07 33.53 | -19 51 39.0 | | 372 |
| 1995 OP | 1995 07 27.65868 | 21 06 21.65 | -20 13 42.0 | 16.5 | 372 |

397 Sapporo Science Center

K. Watanabe, Atsubetsu Chuo 1 jo 5 Chome, Atsubetu-ku, Sapporo 004, Japan
Observers K. Watanabe, T. Satoh
Measurer K. Watanabe
0.20-m $f/6.0$ reflector + CCD
GSC

| | | | | | |
|-----------------------|------------------|-------------|-------------|--------|-----|
| 1992 SX ₁₂ | 1995 07 19.53752 | 19 49 29.36 | -15 43 40.7 | 17 V | 397 |
| 1992 SX ₁₂ | 1995 07 19.54873 | 19 49 28.77 | -15 43 47.2 | | 397 |
| 1992 SX ₁₂ | 1995 07 21.54400 | 19 47 26.98 | -15 52 10.8 | 16.8 V | 397 |

| | | | | | |
|-----------------------|------------------|-------------|-------------|--------|-----|
| 1992 SX ₁₂ | 1995 07 21.55749 | 19 47 26.33 | -15 52 13.5 | | 397 |
| 1992 TY | 1995 07 21.58494 | 20 47 58.75 | -15 44 09.4 | 15.3 V | 397 |
| 1992 TY | 1995 07 21.60722 | 20 47 57.59 | -15 44 21.2 | | 397 |
| 1992 WS | 1995 07 19.58875 | 20 45 26.26 | -08 52 03.5 | 15.8 V | 397 |
| 1992 WS | 1995 07 19.60063 | 20 45 25.72 | -08 52 01.3 | | 397 |
| 1992 WS | 1995 07 21.53947 | 20 43 52.22 | -08 51 51.9 | 15.8 V | 397 |
| 1992 WS | 1995 07 21.57197 | 20 43 50.61 | -08 51 52.0 | | 397 |
| (6498) | 1995 07 19.57920 | 20 37 22.46 | -10 25 03.4 | 15.6 V | 397 |
| (6498) | 1995 07 19.58306 | 20 37 22.33 | -10 25 07.1 | | 397 |
| (6498) | 1995 07 21.53137 | 20 35 56.57 | -10 41 31.7 | 16.0 V | 397 |
| (6498) | 1995 07 21.56355 | 20 35 54.98 | -10 41 49.3 | | 397 |

399 Kushiro

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

Observer S. Ueda

Measurer H. Kaneda

0.25-m $f/3.4$ hyperboloid astrocamera

GSC

| | | | | | |
|---------|--------------------|-------------|-------------|------|-----|
| 1995 OM | * 1995 07 18.53391 | 21 29 55.96 | -18 06 25.9 | 16.5 | 399 |
| 1995 OM | 1995 07 18.54815 | 21 29 55.36 | -18 06 27.3 | | 399 |
| 1995 OM | 1995 07 19.56597 | 21 29 14.59 | -18 09 06.8 | 16.5 | 399 |
| 1995 OM | 1995 07 19.57917 | 21 29 13.94 | -18 09 07.6 | | 399 |

410 Sengamine

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0.20-m $f/6.0$ reflector + CCD

GSC

| | | | | | |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1990 VR ₃ | 1995 08 04.70141 | 23 36 12.31 | -13 35 43.1 | 16.7 V | 410 |
| 1990 VR ₃ | 1995 08 04.70877 | 23 36 12.18 | -13 35 45.8 | | 410 |
| 1990 VR ₃ | 1995 08 04.71265 | 23 36 12.09 | -13 35 45.5 | | 410 |

413 Siding Spring

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Measurers R. H. McNaught, G. J. Garradd, D. J. Asher, O. Hernius
1.0-m reflector + CCD, U.K. Schmidt

| | | | | | |
|----------------------|------------------|-------------|-------------|------|-------|
| 1987 SP ₁ | 1993 04 16.57641 | 13 00 40.19 | -10 59 01.3 | 17.5 | 3 413 |
| 1987 WC | 1995 07 20.78028 | 02 55 44.08 | -22 46 14.1 | | 413 |
| 1987 WC | 1995 07 20.78349 | 02 55 44.93 | -22 46 10.5 | | 413 |
| 1987 WC | 1995 07 20.78838 | 02 55 46.03 | -22 46 04.3 | | 413 |
| 1987 WC | 1995 07 20.79137 | 02 55 46.74 | -22 46 01.1 | | 413 |
| 1987 WC | 1995 08 06.81814 | 03 59 58.18 | -15 47 15.0 | | 413 |
| 1987 WC | 1995 08 06.82136 | 03 59 58.86 | -15 47 09.5 | | 413 |
| 1987 WC | 1995 08 06.82429 | 03 59 59.53 | -15 47 05.0 | | V 413 |
| 1989 WQ ₁ | 1995 06 19.67951 | 21 50 28.00 | -34 04 30.9 | | 413 |
| 1989 WQ ₁ | 1995 06 19.68183 | 21 50 28.06 | -34 04 33.1 | | 413 |
| 1989 WQ ₁ | 1995 06 20.71182 | 21 50 53.50 | -34 20 32.9 | | 413 |
| 1989 WQ ₁ | 1995 06 20.71415 | 21 50 53.51 | -34 20 35.0 | | 413 |

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|----------------------|------------------|-------------|-------------|-----|----------------------|------------------|-------------|-------------|-------|
| 1989 WQ ₁ | 1995 07 06.73202 | 21 51 13.96 | -38 58 40.8 | 413 | 1994 AE ₂ | 1995 08 05.71718 | 00 45 08.28 | -07 15 24.6 | 413 |
| 1989 WQ ₁ | 1995 07 06.73588 | 21 51 13.87 | -38 58 45.1 | 413 | 1994 AE ₂ | 1995 08 05.72068 | 00 45 08.20 | -07 15 25.5 | 413 |
| 1989 WQ ₁ | 1995 07 20.56661 | 21 40 56.79 | -43 13 01.6 | 413 | 1994 TF ₂ | 1995 08 06.74781 | 01 18 55.95 | +27 31 38.2 | V 413 |
| 1989 WQ ₁ | 1995 07 20.56876 | 21 40 56.63 | -43 13 03.8 | 413 | 1994 TF ₂ | 1995 08 06.75185 | 01 18 56.14 | +27 31 35.2 | V 413 |
| 1989 WQ ₁ | 1995 08 05.68495 | 21 17 44.56 | -47 06 57.7 | 413 | 1995 BL ₂ | 1995 06 20.35019 | 09 08 10.69 | -02 32 57.1 | 413 |
| 1989 WQ ₁ | 1995 08 05.68871 | 21 17 44.17 | -47 07 00.1 | 413 | 1995 BL ₂ | 1995 06 20.35324 | 09 08 11.04 | -02 32 59.4 | 413 |
| 1991 TC | 1995 06 19.39878 | 11 30 18.45 | -27 14 43.6 | 413 | 1995 BL ₂ | 1995 06 20.36836 | 09 08 12.80 | -02 33 10.4 | 413 |
| 1991 TC | 1995 06 19.40128 | 11 30 18.57 | -27 14 44.9 | 413 | 1995 BL ₂ | 1995 06 20.37210 | 09 08 13.28 | -02 33 12.8 | 413 |
| 1991 TC | 1995 07 20.38972 | 12 15 47.52 | -32 25 17.1 | 413 | 1995 BL ₂ | 1995 07 20.35361 | 10 16 49.70 | -08 53 19.9 | 413 |
| 1991 TC | 1995 07 20.39231 | 12 15 47.83 | -32 25 19.0 | 413 | 1995 BL ₂ | 1995 07 20.35619 | 10 16 50.11 | -08 53 21.6 | 413 |
| 1991 TC | 1995 08 06.44520 | 12 54 33.99 | -35 57 07.2 | 413 | 1995 BL ₂ | 1995 07 20.35901 | 10 16 50.52 | -08 53 23.6 | 413 |
| 1991 TC | 1995 08 06.44777 | 12 54 34.38 | -35 57 08.8 | 413 | 1995 KL ₁ | 1995 06 19.80935 | 19 57 31.38 | -41 19 34.9 | 413 |
| 1991 YA | 1995 06 19.70199 | 21 04 51.83 | +20 35 52.0 | 413 | 1995 KL ₁ | 1995 06 19.81160 | 19 57 31.19 | -41 19 33.9 | 413 |
| 1991 YA | 1995 06 19.70711 | 21 04 51.69 | +20 35 56.1 | 413 | 1995 KL ₁ | 1995 06 19.81388 | 19 57 31.02 | -41 19 32.7 | 413 |
| 1991 YA | 1995 07 20.58400 | 20 38 17.20 | +27 14 22.9 | 413 | 1995 KL ₁ | 1995 07 06.49642 | 19 31 42.90 | -38 24 06.1 | 413 |
| 1991 YA | 1995 07 20.58788 | 20 38 16.93 | +27 14 25.1 | 413 | 1995 KL ₁ | 1995 07 06.49852 | 19 31 42.71 | -38 24 04.5 | 413 |
| 1992 AA | 1995 06 19.44640 | 13 27 23.40 | +01 08 49.5 | 413 | 1995 KL ₁ | 1995 07 20.54830 | 19 09 55.75 | -34 52 57.0 | 413 |
| 1992 AA | 1995 06 19.44911 | 13 27 23.46 | +01 08 48.5 | 413 | 1995 KL ₁ | 1995 07 20.55075 | 19 09 55.54 | -34 52 54.5 | 413 |
| 1992 AA | 1995 06 20.35844 | 13 27 48.08 | +01 00 35.0 | 413 | 1995 LB | 1995 06 20.56737 | 16 02 45.85 | -08 02 12.4 | 413 |
| 1992 AA | 1995 06 20.36400 | 13 27 48.21 | +01 00 31.9 | 413 | 1995 LB | 1995 06 20.57015 | 16 02 45.76 | -08 02 11.0 | 413 |
| 1992 LC | 1995 07 20.76168 | 02 15 53.44 | -02 12 18.5 | 413 | 1995 LB | 1995 07 06.64106 | 15 55 58.87 | -04 58 08.1 | 413 |
| 1992 LC | 1995 07 20.76483 | 02 15 53.63 | -02 12 17.9 | 413 | 1995 LB | 1995 07 06.64802 | 15 55 58.79 | -04 58 05.2 | 413 |
| 1992 LC | 1995 07 20.76796 | 02 15 53.76 | -02 12 17.8 | 413 | 1995 LB | 1995 07 20.46730 | 15 57 55.85 | -03 37 40.7 | 413 |
| 1992 LC | 1995 07 20.81176 | 02 15 55.75 | -02 12 15.6 | 413 | 1995 LB | 1995 07 20.47139 | 15 57 55.93 | -03 37 39.8 | 413 |
| 1992 LC | 1995 07 20.81447 | 02 15 55.84 | -02 12 15.3 | 413 | 1995 LC | 1995 06 20.57285 | 16 03 15.33 | -21 00 10.5 | 413 |
| 1992 LC | 1995 08 06.76282 | 02 27 29.83 | -02 11 11.7 | 413 | 1995 LC | 1995 06 20.57501 | 16 03 15.15 | -21 00 12.6 | 413 |
| 1992 LC | 1995 08 06.76709 | 02 27 29.95 | -02 11 11.6 | 413 | 1995 LC | 1995 07 06.48903 | 15 47 33.12 | -25 03 50.0 | 413 |
| 1992 TB | 1995 07 20.71030 | 23 30 27.33 | +33 45 31.9 | 413 | 1995 LC | 1995 07 06.63389 | 15 47 27.43 | -25 05 50.2 | 413 |
| 1992 TB | 1995 07 20.71547 | 23 30 27.15 | +33 45 30.8 | 413 | 1995 LC | 1995 07 06.63772 | 15 47 27.29 | -25 05 53.2 | 413 |
| 1993 BW ₂ | 1995 06 19.62519 | 17 41 51.63 | +09 29 26.8 | 413 | 1995 LC | 1995 07 20.46072 | 15 43 42.45 | -28 06 27.1 | 413 |
| 1993 BW ₂ | 1995 06 19.62841 | 17 41 51.22 | +09 29 24.4 | 413 | 1995 LC | 1995 07 20.46386 | 15 43 42.44 | -28 06 29.4 | 413 |
| 1993 BW ₂ | 1995 06 20.68322 | 17 39 38.78 | +09 15 17.6 | 413 | 1995 LE | 1995 07 06.81343 | 23 52 49.82 | +08 57 12.4 | 413 |
| 1993 BW ₂ | 1995 06 20.68635 | 17 39 38.38 | +09 15 15.1 | 413 | 1995 LE | 1995 07 06.81627 | 23 52 50.66 | +08 57 19.6 | 413 |
| 1993 BW ₂ | 1995 07 20.52490 | 16 44 15.34 | -02 23 06.5 | 413 | 1995 LE | 1995 07 20.75362 | 01 03 08.66 | +18 11 02.7 | 413 |
| 1993 BW ₂ | 1995 07 20.52812 | 16 44 15.08 | -02 23 12.3 | 413 | 1995 LE | 1995 07 20.75630 | 01 03 09.42 | +18 11 08.3 | 413 |
| 1993 MO | 1995 07 20.40086 | 14 35 24.21 | +04 25 07.7 | 413 | 1995 LE | 1995 07 20.75890 | 01 03 10.19 | +18 11 13.7 | 413 |
| 1993 MO | 1995 07 20.40306 | 14 35 24.42 | +04 25 01.3 | 413 | 1995 LH | 1995 06 19.67294 | 20 55 33.86 | -38 43 29.5 | 413 |
| 1993 MO | 1995 08 06.45038 | 15 08 34.25 | -08 57 56.8 | 413 | 1995 LH | 1995 06 19.67538 | 20 55 34.02 | -38 43 31.4 | 413 |
| 1993 MO | 1995 08 06.45286 | 15 08 34.50 | -08 58 03.5 | 413 | 1995 LH | 1995 06 20.70568 | 20 56 41.12 | -38 57 51.8 | 413 |
| 1993 PB | 1995 06 05.80780 | 23 26 39.12 | +06 17 52.1 | 413 | 1995 LH | 1995 06 20.70802 | 20 56 41.25 | -38 57 53.8 | 413 |
| 1993 PB | 1995 06 05.81208 | 23 26 39.24 | +06 17 56.2 | 413 | 1995 LH | 1995 07 06.71249 | 21 09 16.33 | -42 44 53.3 | 413 |
| 1993 PB | 1995 07 20.68025 | 23 15 25.62 | +17 49 25.0 | 413 | 1995 LH | 1995 07 06.71720 | 21 09 16.44 | -42 44 57.0 | 413 |
| 1993 PB | 1995 07 20.68331 | 23 15 25.44 | +17 49 27.5 | 413 | 1995 LH | 1995 07 20.56239 | 21 12 19.30 | -45 35 19.3 | 413 |
| 1993 PB | 1995 07 20.68765 | 23 15 25.14 | +17 49 31.1 | 413 | 1995 LH | 1995 07 20.56398 | 21 12 19.30 | -45 35 20.3 | 413 |
| 1993 PB | 1995 07 20.69313 | 23 15 24.76 | +17 49 35.7 | 413 | 1995 LH | 1995 08 05.66874 | 21 08 30.19 | -47 18 24.1 | 413 |
| 1993 PB | 1995 07 20.69792 | 23 15 24.43 | +17 49 39.5 | 413 | 1995 LH | 1995 08 05.68153 | 21 08 29.84 | -47 18 25.4 | 413 |
| 1993 PB | 1995 07 20.70130 | 23 15 24.23 | +17 49 42.4 | 413 | 1995 LJ | 1995 06 20.74061 | 22 08 56.08 | -17 12 46.4 | 413 |
| 1993 PB | 1995 08 06.66523 | 22 50 53.83 | +21 13 59.0 | 413 | 1995 LJ | 1995 06 20.74317 | 22 08 56.25 | -17 12 44.5 | 413 |
| 1993 PB | 1995 08 06.67437 | 22 50 52.80 | +21 14 04.6 | 413 | 1995 LJ | 1995 07 06.74210 | 22 23 15.28 | -13 55 15.9 | 413 |
| 1994 AE ₂ | 1995 07 06.81919 | 00 39 14.90 | -05 31 35.5 | 413 | 1995 LJ | 1995 07 06.74662 | 22 23 15.41 | -13 55 12.8 | 413 |
| 1994 AE ₂ | 1995 07 06.82217 | 00 39 14.99 | -05 31 36.3 | 413 | 1995 LJ | 1995 07 20.57792 | 22 26 45.88 | -11 18 05.4 | 413 |
| 1994 AE ₂ | 1995 08 05.71416 | 00 45 08.31 | -07 15 23.4 | 413 | 1995 LJ | 1995 07 20.58035 | 22 26 45.86 | -11 18 03.8 | 413 |

| | | | | | | | | | |
|----------------------|------------------|-------------|-------------|-------|--------|------------------|-------------|-------------|-------|
| 1995 LK | 1995 06 19.71198 | 21 56 35.96 | -15 52 38.7 | 413 | (1951) | 1995 06 19.76452 | 23 13 19.17 | +08 50 14.8 | 413 |
| 1995 LK | 1995 06 19.71395 | 21 56 35.96 | -15 52 36.3 | 413 | (1951) | 1995 07 20.65791 | 00 28 32.97 | -12 40 40.0 | 413 |
| 1995 LK | 1995 07 20.57368 | 21 38 43.55 | -04 59 40.2 | 413 | (1951) | 1995 07 20.66017 | 00 28 33.30 | -12 40 48.4 | 413 |
| 1995 LK | 1995 07 20.57537 | 21 38 43.41 | -04 59 37.9 | 413 | (2062) | 1995 06 19.80228 | 02 15 55.40 | +07 45 30.6 | 413 |
| 1995 MB | 1995 07 06.46950 | 19 09 48.48 | -16 53 13.2 | 413 | (2062) | 1995 06 19.80545 | 02 15 56.05 | +07 45 26.6 | 413 |
| 1995 MB | 1995 07 06.47170 | 19 09 48.28 | -16 53 10.2 | 413 | (2062) | 1995 07 20.83696 | 04 01 36.94 | +01 09 27.5 | 413 |
| 1995 MB | 1995 07 06.47570 | 19 09 47.93 | -16 53 04.7 | 413 | (2062) | 1995 07 20.83921 | 04 01 37.36 | +01 09 26.4 | F 413 |
| 1995 MB | 1995 07 20.54250 | 18 50 55.56 | -11 54 03.4 | 413 | (2063) | 1995 06 19.61447 | 16 19 50.52 | -44 20 55.6 | 413 |
| 1995 MB | 1995 07 20.54438 | 18 50 55.42 | -11 54 01.2 | 413 | (2063) | 1995 06 19.61672 | 16 19 50.04 | -44 20 54.8 | 413 |
| 1995 MB | 1995 08 06.58072 | 18 35 37.57 | -07 03 54.8 | 413 | (2063) | 1995 07 20.42114 | 15 31 33.65 | -39 21 14.1 | 413 |
| 1995 MB | 1995 08 06.58909 | 18 35 37.24 | -07 03 47.9 | 413 | (2063) | 1995 07 20.42441 | 15 31 33.62 | -39 21 12.5 | 413 |
| 1995 MC | 1995 07 06.45789 | 14 22 38.99 | -38 39 57.6 | 413 | (2102) | 1995 06 19.63396 | 18 13 48.95 | +19 49 15.9 | 413 |
| 1995 MC | 1995 07 06.58149 | 14 22 41.68 | -38 38 45.4 | 413 | (2102) | 1995 06 19.63601 | 18 13 48.00 | +19 49 00.0 | 413 |
| 1995 MC | 1995 07 06.58782 | 14 22 41.81 | -38 38 41.7 | 413 | (2102) | 1995 06 20.68933 | 18 05 51.37 | +17 31 02.3 | 413 |
| 1995 MC | 1995 07 06.59130 | 14 22 41.94 | -38 38 39.4 | 413 | (2102) | 1995 06 20.69155 | 18 05 50.35 | +17 30 44.4 | 413 |
| 1995 MC | 1995 07 20.41185 | 14 30 52.31 | -36 38 12.0 | 413 | (2102) | 1995 07 06.48285 | 16 23 58.51 | -17 19 57.5 | 413 |
| 1995 MC | 1995 07 20.41606 | 14 30 52.46 | -36 38 09.6 | 413 | (2102) | 1995 07 06.48523 | 16 23 57.79 | -17 20 12.0 | 413 |
| 1995 MA ₁ | 1995 07 06.46150 | 15 24 42.40 | -09 14 41.1 | 413 | (2102) | 1995 07 20.42700 | 15 35 48.66 | -33 30 17.5 | 413 |
| 1995 MA ₁ | 1995 07 06.46554 | 15 24 42.12 | -09 14 45.3 | 413 | (2102) | 1995 07 20.42939 | 15 35 48.36 | -33 30 24.0 | 413 |
| 1995 MA ₁ | 1995 07 20.45383 | 15 13 51.13 | -13 16 14.9 | 413 | (2198) | 1995 07 20.51813 | 17 44 39.65 | -19 03 06.4 | 413 |
| 1995 MA ₁ | 1995 07 20.45750 | 15 13 51.04 | -13 16 18.9 | 413 | (2198) | 1995 07 20.52138 | 17 44 39.57 | -19 03 06.1 | 413 |
| (290) | 1995 07 06.75194 | 22 57 10.95 | -34 12 25.3 | 413 | (2204) | 1995 06 19.74870 | 19 54 14.91 | +01 05 04.3 | 413 |
| (290) | 1995 07 06.75904 | 22 57 10.85 | -34 12 27.8 | 413 | (2204) | 1995 06 19.75292 | 19 54 14.75 | +01 05 04.3 | 413 |
| (433) | 1995 06 19.76634 | 23 47 09.78 | +03 12 56.7 | 413 | (2642) | 1995 08 06.68360 | 23 31 38.90 | +15 29 20.4 | 413 |
| (433) | 1995 06 19.76806 | 23 47 09.92 | +03 12 58.4 | 413 | (2642) | 1995 08 06.68513 | 23 31 38.90 | +15 29 20.4 | 413 |
| (433) | 1995 07 06.84161 | 00 07 24.56 | +07 47 05.7 | 413 | (3023) | 1995 08 06.70072 | 00 38 57.19 | +09 31 22.8 | 413 |
| (433) | 1995 07 06.84385 | 00 07 24.69 | +07 47 08.0 | 413 | (3023) | 1995 08 06.70310 | 00 38 57.20 | +09 31 22.9 | 413 |
| (433) | 1995 07 20.70374 | 00 20 00.72 | +11 33 30.5 | 413 | (3079) | 1995 08 06.68860 | 00 05 29.64 | +02 09 14.8 | 413 |
| (433) | 1995 07 20.70607 | 00 20 00.82 | +11 33 32.8 | 413 | (3079) | 1995 08 06.69224 | 00 05 29.61 | +02 09 14.6 | 413 |
| (433) | 1995 08 06.67902 | 00 28 34.97 | +16 12 19.4 | 413 | (3101) | 1995 06 20.59789 | 16 42 21.07 | +28 01 58.3 | 413 |
| (433) | 1995 08 06.68163 | 00 28 34.99 | +16 12 21.9 | 413 | (3101) | 1995 06 20.60026 | 16 42 20.94 | +28 01 56.9 | 413 |
| (1024) | 1995 07 06.65694 | 17 19 47.10 | -35 51 03.6 | 413 | (3101) | 1995 07 20.50016 | 16 27 15.83 | +20 11 22.6 | 413 |
| (1024) | 1995 07 06.65955 | 17 19 46.94 | -35 51 03.8 | 413 | (3101) | 1995 07 20.50226 | 16 27 15.81 | +20 11 20.1 | 413 |
| (1134) | 1995 07 20.66874 | 00 58 24.12 | -14 54 57.2 | 413 | (3101) | 1995 08 06.46890 | 16 31 41.49 | +14 11 07.3 | 413 |
| (1134) | 1995 07 20.67118 | 00 58 24.38 | -14 54 54.3 | 413 | (3101) | 1995 08 06.47134 | 16 31 41.56 | +14 11 04.2 | 413 |
| (1566) | 1995 06 19.65413 | 20 23 28.39 | -32 19 06.1 | 413 | (3104) | 1995 08 06.69630 | 00 37 30.87 | -01 29 39.9 | 413 |
| (1566) | 1995 06 19.65645 | 20 23 27.81 | -32 19 10.2 | 413 | (3104) | 1995 08 06.69832 | 00 37 30.88 | -01 29 40.8 | 413 |
| (1566) | 1995 06 20.69873 | 20 19 00.09 | -32 49 47.7 | 413 | (3496) | 1995 06 19.77051 | 00 20 11.93 | -10 59 18.8 | 413 |
| (1566) | 1995 06 20.70184 | 20 18 59.28 | -32 49 53.2 | 413 | (3496) | 1995 06 19.77261 | 00 20 12.15 | -10 59 18.8 | 413 |
| (1566) | 1995 07 06.66727 | 19 04 29.71 | -38 25 49.8 | 413 | (3551) | 1995 06 19.63128 | 17 40 03.80 | -01 17 42.0 | 413 |
| (1566) | 1995 07 06.67157 | 19 04 28.53 | -38 25 52.8 | 413 | (3551) | 1995 06 20.75813 | 17 38 28.51 | -01 11 14.6 | I 413 |
| (1566) | 1995 07 20.53618 | 18 09 20.14 | -39 31 09.3 | 413 | (3551) | 1995 06 20.76135 | 17 38 28.26 | -01 11 13.6 | I 413 |
| (1566) | 1995 07 20.53849 | 18 09 19.64 | -39 31 09.3 | I 413 | (3714) | 1995 06 19.75604 | 23 16 32.20 | -23 18 20.7 | 413 |
| (1627) | 1995 07 20.39533 | 13 14 25.17 | +02 52 54.1 | 413 | (3714) | 1995 06 19.75991 | 23 16 32.37 | -23 18 21.0 | 413 |
| (1627) | 1995 07 20.39720 | 13 14 25.40 | +02 52 51.8 | 413 | (3714) | 1995 07 06.79480 | 23 26 13.17 | -23 46 20.1 | 413 |
| (1647) | 1995 07 06.72043 | 21 38 15.51 | -07 15 40.3 | 413 | (3714) | 1995 07 06.80398 | 23 26 13.35 | -23 46 21.5 | 413 |
| (1647) | 1995 07 06.72836 | 21 38 15.36 | -07 15 40.4 | 413 | (3714) | 1995 07 20.60591 | 23 28 39.78 | -24 37 07.0 | 413 |
| (1917) | 1995 06 20.57837 | 16 08 11.37 | +13 54 44.0 | 413 | (3714) | 1995 07 20.60834 | 23 28 39.78 | -24 37 07.7 | 413 |
| (1917) | 1995 06 20.58098 | 16 08 11.18 | +13 54 44.3 | 413 | (3714) | 1995 07 20.61159 | 23 28 39.76 | -24 37 08.5 | 413 |
| (1943) | 1995 07 20.37465 | 11 12 58.74 | +01 20 14.4 | 413 | (3753) | 1995 06 19.78719 | 01 27 20.32 | -02 29 02.6 | 413 |
| (1943) | 1995 07 20.37709 | 11 12 59.26 | +01 20 11.8 | 413 | (3753) | 1995 06 19.78918 | 01 27 20.55 | -02 29 02.5 | 413 |
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| (3753) | 1995 07 20.80615 | 02 29 37.05 | -03 34 08.6 | 413 | (6456) | 1995 06 19.46327 | 12 06 51.88 | -13 34 07.2 | 413 | |
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| (4503) | 1995 06 20.58518 | 16 15 41.75 | -22 51 41.8 | 413 | (6489) | 1995 07 20.74775 | 00 48 39.26 | +18 34 14.4 | 413 | |
| (4599) | 1995 06 20.60320 | 17 20 21.56 | -20 48 41.5 | 413 | (6489) | 1995 07 20.75042 | 00 48 39.31 | +18 34 12.6 | 413 | |
| (4599) | 1995 06 20.60576 | 17 20 21.42 | -20 48 41.7 | 413 | (6489) | 1995 08 05.70681 | 00 50 25.87 | +15 43 34.7 | 413 | |
| (4599) | 1995 07 06.65172 | 17 07 49.49 | -20 51 51.7 | 413 | (6489) | 1995 08 05.71059 | 00 50 25.74 | +15 43 32.2 | 413 | |
| (4599) | 1995 07 06.65435 | 17 07 49.41 | -20 51 51.5 | I 413 | (6490) | 1995 06 19.53755 | 13 34 54.38 | -32 27 31.8 | 413 | |
| (4769) | 1995 07 20.38305 | 11 28 29.60 | -04 39 02.1 | I 413 | (6490) | 1995 06 19.54323 | 13 34 54.47 | -32 27 27.3 | 413 | |
| (4769) | 1995 07 20.38648 | 11 28 30.23 | -04 39 06.4 | F 413 | (6490) | 1995 06 20.44475 | 13 35 12.51 | -32 16 09.5 | 413 | |
| (4953) | 1995 06 19.78055 | 01 09 55.86 | -19 28 15.3 | 413 | (6490) | 1995 07 20.40596 | 14 01 39.22 | -27 23 55.1 | 413 | |
| (4953) | 1995 06 19.78375 | 01 09 56.04 | -19 28 15.7 | 413 | (6490) | 1995 07 20.40866 | 14 01 39.43 | -27 23 54.1 | 413 | |
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| (4953) | 1995 08 06.75847 | 01 42 43.83 | -25 00 27.1 | V 413 | (6491) | 1995 07 20.61627 | 23 56 38.19 | +00 41 18.4 | 413 | |
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| (5011) | 1995 06 19.66847 | 20 47 43.96 | -29 39 57.6 | 413 | (6491) | 1995 08 05.69333 | 23 36 49.69 | +04 14 11.0 | 413 | |
| (5011) | 1995 07 06.68388 | 20 27 21.29 | -31 32 10.7 | I 413 | (6491) | 1995 08 05.69637 | 23 36 49.37 | +04 14 12.1 | 413 | |
| (5011) | 1995 07 20.55484 | 20 05 00.16 | -32 43 13.0 | 413 | 417 Yanagida Astronomical Observatory | | | | | |
| (5011) | 1995 07 20.55902 | 20 04 59.69 | -32 43 14.0 | 413 | A. Tsuchikawa, Robu 1-1, Kanmachi, Fugeshi-gun, Ishikawa-ken, 928-03, Japan | | | | | |
| (5349) | 1995 06 19.55304 | 14 20 48.09 | -47 06 21.2 | 413 | Observer A. Tsuchikawa | | | | | |
| (5349) | 1995 06 19.55636 | 14 20 47.98 | -47 06 19.9 | 413 | Measurer O. Muramatsu | | | | | |
| (5349) | 1995 06 19.56050 | 14 20 47.84 | -47 06 18.2 | 413 | 0.25-m $f/3.4$ reflector | | | | | |
| (5349) | 1995 06 20.44998 | 14 20 19.05 | -47 00 42.3 | 413 | GSC | | | | | |
| (5349) | 1995 06 20.45507 | 14 20 18.95 | -47 00 41.5 | I 413 | (2403) | 1995 07 25.58958 | 20 56 03.31 | -15 30 31.8 | 15.0 | 417 |
| (5660) | 1995 06 19.64746 | 18 28 29.09 | -56 22 25.4 | 413 | 478 Lamalou-les-Bains | | | | | |
| (5660) | 1995 06 19.65048 | 18 28 28.60 | -56 22 25.6 | 413 | J.-M. Azema, Domaine de Coubillou, F-34240 Lamalou-les-Bains, France | | | | | |
| (5660) | 1995 07 06.57076 | 17 42 11.80 | -55 02 39.6 | 413 | 0.20-m $f/4.0$ reflector | | | | | |
| (5660) | 1995 07 06.57498 | 17 42 11.17 | -55 02 37.4 | 413 | GSC | | | | | |
| (5738) | 1995 06 20.56032 | 14 32 49.88 | -16 29 48.2 | 413 | (96) | 1994 11 25.89761 | 02 38 00.90 | +39 29 44.3 | 11.8 | 478 |
| (5738) | 1995 06 20.56378 | 14 32 49.87 | -16 29 46.4 | 413 | (96) | 1994 11 25.90784 | 02 38 00.32 | +39 29 41.4 | | 478 |
| (5786) | 1995 07 20.83205 | 03 05 32.63 | +06 21 23.6 | 413 | (96) | 1995 01 02.88660 | 02 22 04.64 | +35 15 44.7 | 12.8 | 478 |
| (5786) | 1995 07 20.83470 | 03 05 33.02 | +06 21 23.6 | F 413 | (96) | 1995 01 02.88808 | 02 22 04.69 | +35 15 44.2 | | 478 |
| (5786) | 1995 08 06.78701 | 03 50 24.43 | +05 54 26.5 | 413 | (96) | 1995 02 19.79722 | 02 53 45.20 | +32 33 32.7 | 13.3 | 478 |
| (5786) | 1995 08 06.78972 | 03 50 24.93 | +05 54 25.9 | 413 | (96) | 1995 02 19.80174 | 02 53 45.51 | +32 33 32.3 | | 478 |
| (6042) | 1995 06 19.68489 | 21 51 21.98 | -26 14 15.6 | 413 | 540 Linz | | | | | |
| (6042) | 1995 06 19.68759 | 21 51 22.12 | -26 14 16.9 | 413 | E. Meyer, F. Marklstrasse 1/62, A-4040 Linz, Austria [k3032e0@cxmeta.edvz.uni- | | | | | |
| (6053) | 1995 06 19.74358 | 23 03 35.73 | -17 48 35.0 | 413 | linz.ac.at] | | | | | |
| (6053) | 1995 06 19.74588 | 23 03 35.97 | -17 48 31.7 | 413 | Observers E. Meyer, H. Raab | | | | | |
| (6053) | 1995 06 20.76605 | 23 05 27.33 | -17 25 11.3 | 413 | 0.30-m $f/5.2$ Schmidt Cassegrain + CCD | | | | | |
| (6053) | 1995 06 20.76854 | 23 05 27.58 | -17 25 07.7 | 413 | GSC | | | | | |
| (6053) | 1995 07 06.80702 | 23 34 50.97 | -09 49 32.0 | 413 | 1994 LX | 1995 07 19.90940 | 13 54 23.62 | +25 05 12.5 | 17.9 R | 540 |
| (6053) | 1995 07 06.81089 | 23 34 51.38 | -09 49 23.9 | 413 | 1994 LX | 1995 07 19.91319 | 13 54 24.00 | +25 05 03.9 | 17.5 R | 540 |
| (6053) | 1995 07 20.66451 | 00 01 45.96 | +00 08 37.1 | 413 | 1994 LX | 1995 07 19.91735 | 13 54 24.51 | +25 04 53.9 | 17.7 R | 540 |
| (6053) | 1995 07 20.66629 | 00 01 46.17 | +00 08 42.7 | 413 | 1995 LG | 1995 07 07.89031 | 20 51 51.61 | +60 32 54.9 | 18.5 R | 540 |
| (6053) | 1995 08 05.70004 | 00 39 02.89 | +18 26 14.7 | 413 | 1995 LG | 1995 07 07.89700 | 20 51 48.41 | +60 34 39.2 | | 540 |
| (6053) | 1995 08 05.70196 | 00 39 03.19 | +18 26 24.4 | 413 | 1995 LG | 1995 07 07.91108 | 20 51 41.48 | +60 38 21.7 | | 540 |
| (6063) | 1995 07 20.59451 | 21 55 37.35 | -09 15 02.5 | 413 | | | | | | |
| (6063) | 1995 07 20.59838 | 21 55 37.16 | -09 15 04.0 | 413 | | | | | | |

| | | | | | |
|---------|------------------|-------------|-------------|--------|-------|
| 1995 LG | 1995 07 07.91498 | 20 51 39.56 | +60 39 25.1 | | 540 |
| 1995 LG | 1995 07 07.91866 | 20 51 37.62 | +60 40 21.0 | | 540 |
| 1995 LG | 1995 07 08.90119 | 20 42 32.64 | +64 56 29.1 | 18.5 R | 540 |
| 1995 LG | 1995 07 08.90575 | 20 42 29.52 | +64 57 41.8 | | 540 |
| 1995 LG | 1995 07 08.91002 | 20 42 26.86 | +64 58 47.9 | | 540 |
| (2642) | 1995 07 21.95621 | 23 27 26.49 | +14 49 29.4 | 15.6 R | 540 |
| (2642) | 1995 07 21.96007 | 23 27 26.59 | +14 49 30.5 | 15.7 R | 540 |
| (2642) | 1995 07 21.96417 | 23 27 26.71 | +14 49 31.7 | 15.7 R | 540 |
| (3633) | 1995 07 26.03399 | 20 09 21.04 | -14 42 22.0 | 17.4 R | 540 |
| (3633) | 1995 07 26.04010 | 20 09 20.66 | -14 42 23.2 | 17.5 R | 540 |
| (3633) | 1995 07 26.05995 | 20 09 19.39 | -14 42 24.6 | 17.1 R | I 540 |
| (3633) | 1995 07 26.06655 | 20 09 19.01 | -14 42 27.2 | 17.4 R | I 540 |
| (6489) | 1995 07 21.97653 | 00 49 22.60 | +18 20 17.3 | 17.7 R | 540 |
| (6489) | 1995 07 21.98347 | 00 49 22.84 | +18 20 12.9 | 17.7 R | 540 |
| (6489) | 1995 07 21.99345 | 00 49 23.09 | +18 20 06.9 | 17.4 R | 540 |

552 San Vittore

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

[astrofil@astbo1.bo.cnr.it]

Observers C. Vacchi, G. Sassi, E. Colombini

0.45-m $f/5$ reflector + CCD

GSC

| | | | | | |
|----------------------|--------------------|-------------|-------------|--------|-----|
| 1976 AH | 1995 07 18.89308 | 19 30 55.59 | -06 59 48.2 | 16.1 V | 552 |
| 1976 AH | 1995 07 18.91137 | 19 30 54.73 | -06 59 48.4 | | 552 |
| 1991 CX ₂ | 1995 07 20.88806 | 19 58 37.44 | -11 17 31.7 | 16.2 V | 552 |
| 1991 CX ₂ | 1995 07 20.91753 | 19 58 35.77 | -11 17 42.9 | | 552 |
| 1995 KC | 1995 06 25.85847 | 14 53 13.32 | -02 54 22.5 | 17.8 V | 552 |
| 1995 KC | 1995 06 25.89260 | 14 53 13.80 | -02 54 28.1 | | 552 |
| 1995 KC | 1995 06 29.84223 | 14 54 29.62 | -03 06 34.0 | 18.0 V | 552 |
| 1995 KC | 1995 06 29.85269 | 14 54 29.88 | -03 06 35.0 | | 552 |
| 1995 KC | 1995 06 29.86529 | 14 54 30.12 | -03 06 38.8 | | 552 |
| 1995 KC | 1995 07 18.84207 | 15 06 22.67 | -04 41 06.5 | 18.7 V | 552 |
| 1995 KC | 1995 07 18.85150 | 15 06 23.17 | -04 41 10.7 | | 552 |
| 1995 KC | 1995 07 18.85873 | 15 06 23.52 | -04 41 13.6 | | 552 |
| 1995 KC | 1995 07 20.84931 | 15 08 08.25 | -04 53 46.4 | 18.8 V | 552 |
| 1995 KC | 1995 07 20.85233 | 15 08 08.38 | -04 53 46.2 | | 552 |
| 1995 KC | 1995 07 20.86060 | 15 08 08.81 | -04 53 48.8 | | 552 |
| 1995 KC | 1995 07 20.86969 | 15 08 09.39 | -04 53 53.1 | | 552 |
| 1995 OE | * 1995 07 20.89692 | 20 01 07.79 | -11 23 00.2 | 18.0 V | 552 |
| 1995 OE | 1995 07 20.92444 | 20 01 06.42 | -11 23 01.9 | | 552 |
| 1995 OE | 1995 07 20.96117 | 20 01 04.57 | -11 23 03.9 | | 552 |
| 1995 OE | 1995 07 21.84729 | 20 00 21.43 | -11 23 42.9 | 18.0 V | 552 |
| 1995 OE | 1995 07 21.86442 | 20 00 20.56 | -11 23 43.9 | | 552 |
| 1995 OE | 1995 07 21.89520 | 20 00 19.03 | -11 23 45.6 | | 552 |
| 1995 OE | 1995 07 22.84668 | 19 59 32.62 | -11 24 32.8 | 18.0 V | 552 |
| 1995 OE | 1995 07 22.85961 | 19 59 31.96 | -11 24 31.7 | | 552 |
| 1995 OE | 1995 07 25.83447 | 19 57 07.05 | -11 27 15.4 | 18.0 V | 552 |
| 1995 OE | 1995 07 25.85295 | 19 57 06.17 | -11 27 16.3 | | 552 |
| 1995 OE | 1995 07 25.87340 | 19 57 05.21 | -11 27 16.9 | | 552 |
| 1995 OE | 1995 07 30.84231 | 19 53 07.60 | -11 32 51.3 | 18.2 V | 552 |
| 1995 OE | 1995 07 30.87719 | 19 53 05.96 | -11 32 54.3 | | 552 |
| 1995 OE | 1995 07 30.89402 | 19 53 05.16 | -11 32 54.9 | | 552 |
| 1995 OE | 1995 07 31.83769 | 19 52 21.06 | -11 34 06.0 | 18.2 V | 552 |

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|---------|------------------|-------------|-------------|--|-----|
| 1995 OE | 1995 07 31.84802 | 19 52 20.62 | -11 34 06.9 | | 552 |
| 1995 OE | 1995 07 31.86440 | 19 52 19.85 | -11 34 08.5 | | 552 |

557 Ondřejov

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Czech Republic [ppravec@asu.cas.cz]

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

Measurer P. Pravec, L. Šarounová

0.65-m $f/3.6$ reflector + CCD

PPM, GSC

| | | | | | |
|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1981 EW ₉ | 1995 07 30.97546 | 22 59 01.86 | -05 47 41.0 | 18.4 V | 557 |
| 1981 EW ₉ | 1995 07 30.98907 | 22 59 01.52 | -05 47 39.3 | | 557 |
| 1981 EB ₃₃ | 1995 08 05.05277 | 23 08 55.61 | -04 31 01.2 | 18.1 V | 557 |
| 1981 EB ₃₃ | 1995 08 05.06238 | 23 08 55.25 | -04 30 58.4 | | 557 |
| 1981 EB ₃₃ | 1995 08 05.07190 | 23 08 54.87 | -04 30 55.8 | | 557 |
| 1981 EB ₃₃ | 1995 08 06.05034 | 23 08 19.12 | -04 26 42.5 | 18.2 V | 557 |
| 1981 EB ₃₃ | 1995 08 06.05751 | 23 08 18.85 | -04 26 40.7 | | 557 |
| 1981 EB ₃₃ | 1995 08 07.02242 | 23 07 42.06 | -04 22 37.9 | | 557 |
| 1981 EB ₃₃ | 1995 08 07.02789 | 23 07 41.81 | -04 22 36.5 | 18.4 V | 557 |
| 1981 EB ₃₃ | 1995 08 07.03292 | 23 07 41.59 | -04 22 35.6 | | 557 |
| 1994 TF ₂ | 1995 08 03.03659 | 01 13 58.55 | +28 07 53.6 | 20.1 V | 557 |
| 1994 TF ₂ | 1995 08 03.04418 | 01 13 59.17 | +28 07 50.1 | | 557 |
| 1995 OJ | * 1995 07 22.03963 | 20 43 18.65 | -18 03 05.8 | 18.8 V | 557 |
| 1995 OJ | 1995 07 22.05407 | 20 43 17.77 | -18 03 09.9 | | 557 |
| 1995 OJ | 1995 07 22.06279 | 20 43 17.23 | -18 03 12.4 | | 557 |
| 1995 OJ | 1995 07 23.97817 | 20 41 22.73 | -18 13 22.8 | | 557 |
| 1995 OJ | 1995 07 23.98834 | 20 41 22.10 | -18 13 26.6 | 18.6 V | 557 |
| 1995 OJ | 1995 07 24.95181 | 20 40 23.94 | -18 18 33.5 | | 557 |
| 1995 OJ | 1995 07 24.95568 | 20 40 23.71 | -18 18 35.1 | | 557 |
| 1995 OJ | 1995 07 24.95898 | 20 40 23.50 | -18 18 35.9 | | 557 |
| 1995 OJ | 1995 07 24.96219 | 20 40 23.30 | -18 18 37.4 | | 557 |
| 1995 OJ | 1995 07 26.95402 | 20 38 22.17 | -18 29 10.3 | 18.5 V | 557 |
| 1995 OJ | 1995 07 26.96300 | 20 38 21.62 | -18 29 13.4 | | 557 |
| 1995 OJ | 1995 07 29.95920 | 20 35 18.63 | -18 44 56.8 | | 557 |
| 1995 OJ | 1995 07 29.96593 | 20 35 18.19 | -18 44 58.5 | | 557 |
| 1995 OJ | 1995 08 05.95076 | 20 28 19.51 | -19 20 04.8 | 18.8 V | 557 |
| 1995 OJ | 1995 08 05.95760 | 20 28 19.05 | -19 20 06.6 | | 557 |
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| 1995 OK | 1995 07 24.05385 | 20 40 49.85 | -18 06 36.6 | 17.9 V | 557 |
| 1995 OK | 1995 07 24.95181 | 20 40 04.52 | -18 14 30.0 | | 557 |
| 1995 OK | 1995 07 24.95568 | 20 40 04.31 | -18 14 32.1 | | 557 |
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| 1995 OK | 1995 07 24.96219 | 20 40 03.97 | -18 14 35.4 | | 557 |
| 1995 OK | 1995 07 26.95402 | 20 38 21.13 | -18 32 11.7 | 17.5 V | 557 |
| 1995 OK | 1995 07 26.96300 | 20 38 20.63 | -18 32 16.7 | 17.7 V | 557 |
| 1995 OK | 1995 07 29.95072 | 20 35 43.29 | -18 58 48.3 | | 557 |
| 1995 OK | 1995 07 29.96348 | 20 35 42.55 | -18 58 55.2 | | 557 |
| 1995 OK | 1995 08 05.94661 | 20 29 34.35 | -20 00 00.3 | | 557 |
| 1995 OK | 1995 08 05.95432 | 20 29 33.94 | -20 00 04.4 | 17.8 V | 557 |
| 1995 OK | 1995 08 05.96063 | 20 29 33.61 | -20 00 07.7 | | 557 |
| 1995 OL | * 1995 07 23.98834 | 20 41 28.03 | -18 15 36.5 | 19.5 V | 557 |

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|----------------------|--------------------|-------------|-------------|--------------|----------------------|--------------------|-------------|-------------|--------------|
| 1995 OL | 1995 07 23.99462 | 20 41 27.54 | -18 15 36.0 | 557 | 1995 OE ₁ | 1995 08 04.01461 | 22 57 35.98 | -06 31 54.5 | 557 |
| 1995 OL | 1995 07 24.95181 | 20 40 26.37 | -18 12 51.2 | 557 | 1995 OE ₁ | 1995 08 04.02133 | 22 57 35.77 | -06 31 56.9 | 557 |
| 1995 OL | 1995 07 24.95568 | 20 40 26.12 | -18 12 50.0 | 557 | 1995 OE ₁ | 1995 08 04.02716 | 22 57 35.60 | -06 31 58.1 | 557 |
| 1995 OL | 1995 07 24.95898 | 20 40 25.96 | -18 12 49.8 | 557 | 1995 OE ₁ | 1995 08 06.02819 | 22 56 38.80 | -06 39 31.0 | 557 |
| 1995 OL | 1995 07 24.96219 | 20 40 25.72 | -18 12 49.3 | 557 | 1995 OE ₁ | 1995 08 06.03600 | 22 56 38.53 | -06 39 33.3 | 19.5 V 557 |
| 1995 OL | 1995 07 26.95704 | 20 38 17.21 | -18 07 05.9 | 19.5 V 557 | 1995 OE ₁ | 1995 08 06.04237 | 22 56 38.35 | -06 39 35.2 | 557 |
| 1995 OL | 1995 07 26.96596 | 20 38 16.61 | -18 07 04.2 | c 557 | 1995 OF ₁ | * 1995 07 31.01900 | 22 59 15.16 | -07 11 25.6 | 19.5 V 557 |
| 1995 OL | 1995 07 29.98200 | 20 35 01.29 | -17 58 20.7 | 19.1 V 557 | 1995 OF ₁ | 1995 07 31.03302 | 22 59 14.64 | -07 11 28.3 | 557 |
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| 1995 OL | 1995 07 30.01891 | 20 34 58.87 | -17 58 14.2 | 557 | 1995 OF ₁ | 1995 08 02.96947 | 22 57 37.98 | -07 19 33.8 | 557 |
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| | | | | | | 1995 OH | | | | | |
| 568 Mauna Kea Observatory | | | | | | | | | | | |
| D. J. Tholen, Institute for Astronomy, 2680 Woodlawn Drive, Honolulu, HI 96822, U.S.A. | | | | | | | | | | | |
| Observer D. J. Tholen | | | | | | | | | | | |
| Measurer R. Whiteley | | | | | | | | | | | |
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| 587 Sormano | | | | | | | | | | | |
| P. Sicoli, Via Valli 9, I-22040 Garbagnate Monastero (Lecco), Italy | | | | | | | | | | | |
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| Observers P. Sicoli, M. Cavagna, F. Manca, A. Testa, G. Ventre | | | | | | | | | | | |
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| 589 Santa Lucia Stroncone | | | | | | | | | | | |
| A. Vagnozzi, Via Santa Lucia 68, I-05039 Stroncone (Terni), Italy | | | | | | | | | | | |
| [vagnozzi@astrom.astro.it] | | | | | | | | | | | |
| Observers A. Vagnozzi, E. Gregori, V. Risoldi, F. Lombardi, G. Bernabei, D. Paluzzi | | | | | | | | | | | |
| 0.50-m f/2.8 Ritchey-Chrétien + CCD | | | | | | | | | | | |
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| 595 Farra d'Isonzo | | | | | | | | | | | |
| L. Bittesini, Via dei Conventi 10, I-34070 Farra D'Isonzo (GO), Italy | | | | | | | | | | | |
| [bittesini@38405.span] | | | | | | | | | | | |
| Observers G. Lombardi, E. Pettarin, A. Toso, C. Cusulin, W. Boschin, F. Piani | | | | | | | | | | | |
| Measurers G. Lombardi, E. Pettarin | | | | | | | | | | | |
| 0.4-m <i>f</i> /4.5 reflector + CCD | | | | | | | | | | | |
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| 598 Loiano | | | | | | | | | | | |
| L. Tesi, Osservatorio di Pian dei Termini, Viale Panoramico 45, I-51028 San | | | | | | | | | | | |
| Marcello Pistoiese (PT), Italy [iauo@arcetri.astro.it] | | | | | | | | | | | |
| Observers A. Boattini, S. Giovanardi, I. Bruni, S. Mallucci, G. Tessicini | | | | | | | | | | | |
| Measurers A. Boattini, S. Giovanardi | | | | | | | | | | | |
| 1.52-m reflector + CCD | | | | | | | | | | | |
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| 604 Archenhold Sternwarte, Berlin-Treptow | | | | | | | | | | | |
| A. Doppler, c/o Archenhold-Sternwarte, Alt-Treptow 1, D-12435 Berlin, Germany | | | | | | | | | | | |
| Observers A. Doppler, A. Gnaedig, D. Przewozny | | | | | | | | | | | |
| Measurer A. Gnaedig | | | | | | | | | | | |
| 0.15-m f/15 reflector | | | | | | | | | | | |
| PPM | | | | | | | | | | | |
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| | | | | | | (2060) | 1995 03 22.09492 | 11 26 00.78 | -01 19 26.1 | 606 | |
| | | | | | | (2443) | 1995 03 29.98899 | 11 42 51.30 | +17 35 24.8 | 606 | |
| | | | | | | (2443) | 1995 03 29.99183 | 11 42 51.19 | +17 35 25.4 | 606 | |

606 Norderstedt

H. Achterberg, Liegnitzer Str. 12, D-22850 Norderstedt, Germany

0.2-m f/10 Schmidt-Cassegrain + CCD

GSC

| | | | | | | | | | |
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| J. Africano, Air Force Maui Optical Station, 535 Lipoa Parkway, Suite 200, Kihei, Maui, HI 96753, U.S.A. [johna@ulua.mhpcc.edu] | | | | | 1991 NQ | 1995 07 13.50039 | 23 26 12.33 | +17 21 01.6 | 608 |
| E. F. Helin, MS 183-501, Jet Propulsion Laboratory, Pasadena, CA 91109, U.S.A. [efh051@mip13.jpl.nasa.gov] | | | | | 1991 NQ | 1995 07 13.53122 | 23 26 12.28 | +17 21 29.6 | 608 |
| Observers J. Africano, P. Kervin, P. Sydney, D. Nishimoto, D. O'Connell, R. Medrano, K. Imada, W. Hada | | | | | 1991 NQ | 1995 07 27.51000 | 23 23 16.14 | +20 37 41.8 | 608 |
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| 1994 QC | 1994 09 22.35729 | 21 49 02.40 | -19 52 51.2 | 608 | 1995 PE | 1995 08 04.41462 | 18 21 33.63 | -13 20 00.0 | 608 |
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| 609 Osservatorio Polino | | | | | 1979 OA | 1994 09 08.40625 | 22 11 06.59 | +24 39 54.2 | 3 675 |
| G. Iatteri, Via Val Serra 45h, Terni, Italy | | | | | 1979 OA | 1994 09 08.43507 | 22 11 04.69 | +24 39 52.8 | 3 675 |
| Observer G. Iatteri | | | | | 1979 OA | 1994 09 11.29635 | 22 07 59.18 | +24 37 00.6 | 3 675 |
| Measurers A. Vagnozzi, G. Bernabei | | | | | 1979 OA | 1994 09 11.32448 | 22 07 57.31 | +24 36 59.1 | 3 675 |
| 0.40-m <i>f</i> /2.9 reflector + CCD | | | | | 1979 QX ₉ | 1951 08 08.30486 | 22 18 57.22 | -08 14 46.5 | 17.8 6 675 |
| GSC | | | | | 1979 QX ₉ | 1951 08 08.32917 | 22 18 56.39 | -08 14 52.4 | 6 675 |
| 1995 OH | * 1995 07 22.87503 | 16 13 36.91 | -18 10 16.0 | 17.7 V 609 | 1979 TY ₁ | 1951 09 01.36111 | 23 39 06.80 | -15 15 05.4 | 16.2 6 675 |
| 1995 OH | 1995 07 22.88679 | 16 13 37.14 | -18 10 16.5 | 609 | 1979 TY ₁ | 1951 09 01.38611 | 23 39 05.24 | -15 15 12.1 | 6 675 |
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| 675 Palomar | | | | | 1980 FN ₁ | 1992 12 01.45000 | 06 07 31.29 | +23 27 33.1 | 9 675 |
| C. S. Shoemaker, P.O. Box 984, Flagstaff, AZ 86002, U.S.A. | | | | | 1980 KD | 1954 11 24.28300 | 02 23 04.59 | +02 07 57.6 | 6 675 |
| [gshoemaker@iflag2.wr.usgs.gov] (3) | | | | | 1980 KD | 1954 11 24.30625 | 02 23 03.73 | +02 07 56.2 | 18.5 6 675 |
| C. J. van Houten, Sterrewacht Leiden, Postbus 9513, NL-2300 RA Leiden, The Netherlands [vanhouten@rulh11.leidenuniv.nl] (4) | | | | | 1980 VX ₂ | 1988 10 09.35642 | 01 33 30.84 | +25 09 59.2 | 3 675 |
| E. Bowell, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001, U.S.A. [elgb@lowell.edu] (6) | | | | | 1980 VX ₂ | 1988 10 09.38733 | 01 33 29.17 | +25 09 37.2 | 3 675 |
| B. Gladman, Dept. of Astronomy, Cornell University, Ithaca, NY 14853, U.S.A. [gladman@astrosun.tn.cornell.edu] (8) | | | | | 1980 VX ₂ | 1988 11 08.28038 | 01 10 20.99 | +18 05 23.3 | 3 675 |
| 9 = 3+6 | | | | | 1980 VX ₂ | 1988 11 08.30608 | 01 10 20.08 | +18 05 01.3 | 3 675 |
| Observers S. J. Edberg (3, S), T. Gehrels (4, L), B. Gladman (8, H), H. E. Holt (3, S), D. H. Levy (3, S), C. S. Shoemaker (3, S), E. M. Shoemaker (3, S), T. B. Spahr (3, S) | | | | | 1980 VX ₂ | 1992 10 22.22274 | 00 54 29.84 | +22 15 43.2 | 3 675 |
| Measurers C. P. de Saint-Aignan (6), B. Gladman (8), B. A. Skiff (6), T. B. Spahr (3), C. J. van Houten (4), I. van Houten-Groeneveld (4), A. Wisse (4) | | | | | 1980 VX ₂ | 1992 10 22.25764 | 00 54 28.15 | +22 15 10.7 | 3 675 |
| 1.2-m Oschin Schmidt (L), 0.46-m Schmidt (S), 5-m reflector + CCD (H) | | | | | 1980 VX ₂ | 1992 11 26.12934 | 00 40 52.84 | +14 02 58.0 | 3 675 |
| 1933 FE ₁ | 1951 08 08.30486 | 22 16 47.99 | -07 08 25.5 | 17.8 6 675 | 1980 VX ₂ | 1992 11 26.16493 | 00 40 52.81 | +14 02 32.4 | 3 675 |
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| 1951 PT | 1951 08 08.32917 | 22 07 41.76 | -04 59 37.6 | 6 675 | 1981 EX ₁₅ | 1954 12 22.36944 | 07 27 54.92 | +26 04 20.5 | 18.5 6 675 |
| 1954 WG ₁ | * 1954 11 23.20139 | 01 51 06.32 | +19 44 50.4 | 17.5 6 675 | 1981 EX ₁₅ | 1954 12 22.39271 | 07 27 53.84 | +26 04 21.7 | 6 675 |
| 1954 WG ₁ | 1954 11 23.22465 | 01 51 05.61 | +19 44 45.6 | 6 675 | 1981 EF ₂₈ | 1991 09 17.40953 | 00 25 28.82 | -00 37 03.3 | 16.8 9 675 |
| 1969 TQ ₁ | 1991 09 15.41753 | 00 06 38.45 | -04 11 28.8 | 17.2 9 675 | 1981 EF ₂₈ | 1991 09 17.45938 | 00 25 25.78 | -00 37 04.2 | 9 675 |
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| 1975 EA ₃ | 1954 06 30.42326 | 21 34 08.16 | -20 22 40.2 | 17.5 6 675 | 1981 RR ₃ | 1991 10 02.33160 | 00 25 56.10 | -01 29 39.7 | 9 675 |
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| 1975 VN ₅ | 1950 06 19.42882 | 19 07 39.77 | -17 04 18.6 | 6 675 | 1981 TP | 1991 10 08.25035 | 00 22 06.21 | -02 29 48.2 | 16.2 9 675 |
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| 1978 CK | 1989 01 10.37396 | 07 21 55.17 | +34 12 43.2 | 9 675 | 1981 TP | 1954 12 22.37709 | 07 16 51.54 | +23 41 10.0 | 6 675 |
| 1978 EN ₁₀ | 1954 11 23.20139 | 01 37 58.51 | +18 26 32.4 | 18.2 6 675 | 1981 UD ₂ | 1953 05 18.30208 | 15 07 34.87 | -17 06 34.2 | 17.8 6 675 |
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| | | | | | 1982 QM | 1991 10 07.32205 | 00 23 39.50 | -04 57 21.9 | 9 675 |

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| 1995 DM ₁ | 1987 05 31.25833 | 13 41 33.44 | -05 28 46.6 | 3 675 | 2246 T-2 | 1973 09 25.32031 | 00 43 42.50 | +04 35 52.6 | 4 675 |
| 1995 DM ₁ | 1989 11 04.47274 | 04 16 17.61 | +27 21 14.1 | 3 675 | 2246 T-2 | 1973 09 29.26632 | 00 40 35.46 | +04 07 31.3 | 4 675 |
| 1995 DM ₁ | 1989 11 04.51372 | 04 16 14.98 | +27 21 33.1 | 3 675 | 2246 T-2 | * 1973 09 29.33073 | 00 40 32.22 | +04 07 03.3 | 18.0 4 675 |
| 1995 DM ₁ | 1991 04 15.23420 | 12 33 30.15 | +21 32 23.8 | 3 675 | 2246 T-2 | 1973 09 30.22257 | 00 39 49.78 | +04 00 34.0 | 4 675 |
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| 1995 DM ₁ | 1991 04 20.22083 | 12 28 44.01 | +21 04 20.1 | 3 675 | 2246 T-2 | 1973 10 04.36476 | 00 36 31.59 | +03 30 41.6 | 4 675 |
| 1995 DM ₁ | 1993 11 19.26406 | 01 47 18.81 | +03 38 51.7 | 3 675 | 2246 T-2 | 1973 10 05.32917 | 00 35 46.06 | +03 23 47.7 | 4 675 |
| 1995 DM ₁ | 1993 11 19.29219 | 01 47 17.24 | +03 39 01.5 | 3 675 | 2246 T-2 | 1973 10 05.39132 | 00 35 43.00 | +03 23 21.1 | 4 675 |
| 1995 DT ₁ | 1989 01 10.27292 | 07 20 04.98 | +41 03 28.2 | 3 675 | 3297 T-2 | 1954 06 30.42326 | 21 28 57.93 | -22 19 59.3 | 18.5 6 675 |
| 1995 DT ₁ | 1989 01 10.30781 | 07 20 02.54 | +41 03 45.5 | 3 675 | 3297 T-2 | 1954 06 30.44792 | 21 28 57.33 | -22 20 06.0 | 6 675 |
| 1995 DT ₁ | 1989 01 31.20069 | 06 58 52.59 | +43 01 53.7 | 3 675 | 3336 T-2 | 1991 10 02.30243 | 00 18 04.56 | -03 28 00.4 | 17.2 9 675 |
| 1995 DT ₁ | 1989 01 31.23507 | 06 58 50.73 | +43 01 59.9 | 3 675 | 3336 T-2 | 1991 10 02.33160 | 00 18 03.15 | -03 28 15.5 | 9 675 |
| 1995 DT ₁ | 1989 02 01.14861 | 06 58 06.30 | +43 04 48.6 | 3 675 | 3336 T-2 | 1991 10 07.29063 | 00 14 30.49 | -04 09 52.1 | 17.5 9 675 |
| 1995 DT ₁ | 1989 02 01.18438 | 06 58 04.55 | +43 04 55.3 | 3 675 | 3336 T-2 | 1991 10 07.32205 | 00 14 29.01 | -04 10 06.6 | 9 675 |
| 1995 DT ₁ | 1990 05 24.18472 | 13 57 37.12 | +11 25 45.9 | 3 675 | 3336 T-2 | 1991 10 08.25035 | 00 13 51.05 | -04 17 25.0 | 17.2 9 675 |
| 1995 DT ₁ | 1990 05 24.24323 | 13 57 35.08 | +11 25 21.7 | 3 675 | 5141 T-2 | 1955 03 24.24722 | 10 08 37.94 | +02 24 16.7 | 18.8 6 675 |
| 1995 DT ₁ | 1993 11 16.38021 | 03 28 01.27 | +02 40 43.3 | 3 675 | 5141 T-2 | 1955 03 24.27222 | 10 08 37.03 | +02 24 21.0 | 6 675 |
| 1995 DT ₁ | 1993 11 16.40885 | 03 27 59.53 | +02 40 49.2 | 3 675 | 5493 T-2 | 1955 03 24.24722 | 10 19 20.02 | +05 34 30.9 | 18.8 6 675 |
| 1995 DU ₁ | 1955 12 12.47326 | 09 19 55.94 | +13 46 34.3 | 6 675 | 5493 T-2 | 1955 03 24.27222 | 10 19 19.42 | +05 34 34.6 | 6 675 |
| 1995 DU ₁ | 1955 12 12.49444 | 09 19 56.73 | +13 46 49.9 | 17.5 6 675 | 4314 T-3 | 1954 12 22.36944 | 07 22 27.37 | +20 43 18.4 | 18.2 6 675 |
| 1995 DU ₁ | 1988 02 19.49288 | 12 58 59.76 | +32 48 39.8 | 3 675 | 4314 T-3 | 1954 12 22.39271 | 07 22 26.18 | +20 43 22.4 | 6 675 |
| 1995 DU ₁ | 1988 02 19.53993 | 12 59 00.01 | +32 49 38.8 | 3 675 | 4391 T-3 | 1991 09 12.42066 | 00 46 07.39 | -08 17 08.2 | 9 675 |
| 1995 KF | 1991 02 09.44809 | 12 05 49.84 | +21 34 58.2 | 3 675 | (52) | 1954 11 24.28300 | 02 26 57.06 | +03 07 11.6 | 6 675 |
| 1995 KF | 1991 02 09.49653 | 12 05 49.72 | +21 35 52.3 | 3 675 | (52) | 1954 11 24.30625 | 02 26 56.08 | +03 07 10.5 | 6 675 |
| 1995 KF | 1991 02 13.47031 | 12 05 38.62 | +22 52 13.7 | 3 675 | (166) | 1951 09 01.36111 | 23 34 52.54 | -15 54 16.3 | 6 675 |
| 1995 KF | 1991 02 13.51372 | 12 05 38.11 | +22 53 01.8 | 3 675 | (166) | 1951 09 01.38611 | 23 34 51.55 | -15 54 33.2 | 6 675 |
| 1995 KA ₁ | 1988 08 15.37674 | 22 15 31.98 | +14 52 42.4 | 3 675 | (174) | 1954 06 30.42326 | 21 08 33.28 | -26 23 47.9 | 6 675 |
| 1995 KA ₁ | 1988 08 15.41146 | 22 15 30.70 | +14 52 11.6 | 3 675 | (174) | 1954 06 30.44792 | 21 08 32.43 | -26 23 48.1 | 6 675 |
| 1995 KA ₁ | 1988 08 17.40608 | 22 14 23.41 | +14 21 49.6 | 3 675 | (237) | 1994 05 15.31215 | 15 07 48.97 | -08 10 19.9 | 9 675 |
| 1995 KA ₁ | 1988 08 17.43941 | 22 14 22.17 | +14 21 17.4 | 3 675 | (237) | 1994 05 15.33940 | 15 07 47.42 | -08 10 20.2 | 9 675 |
| 1995 KA ₁ | 1988 09 14.21181 | 22 00 27.01 | +05 00 34.2 | 3 675 | (237) | 1994 05 16.31267 | 15 06 54.36 | -08 10 14.4 | 9 675 |
| 1995 KA ₁ | 1988 09 14.24549 | 22 00 26.44 | +04 59 50.7 | 3 675 | (237) | 1994 05 16.34496 | 15 06 52.59 | -08 10 13.8 | 9 675 |
| 1995 KJ ₁ | 1995 06 24.2278 | 15 00 12.08 | -17 05 33.4 | 8 675 | (237) | 1994 06 07.21181 | 14 49 54.58 | -08 36 16.8 | 9 675 |
| 1995 KJ ₁ | 1995 06 25.1989 | 15 00 09.21 | -17 05 21.5 | 8 675 | (237) | 1994 06 07.25382 | 14 49 53.02 | -08 36 22.9 | 9 675 |
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| 3535 P-L | 1955 03 24.24722 | 10 16 23.00 | +08 25 33.6 | 17.0 6 675 | (238) | 1954 11 24.30625 | 02 42 29.76 | +02 10 45.5 | 6 675 |
| 3535 P-L | 1955 03 24.27222 | 10 16 21.68 | +08 25 31.4 | 6 675 | (263) | 1953 05 18.30208 | 15 16 55.52 | -17 38 30.6 | 6 675 |
| 6530 P-L | 1955 05 22.28194 | 15 25 14.73 | -10 45 18.5 | 17.8 6 675 | (263) | 1953 05 18.32466 | 15 16 54.33 | -17 38 25.6 | 6 675 |
| 6530 P-L | 1955 05 22.30694 | 15 25 13.34 | -10 45 13.4 | 6 675 | (317) | 1992 11 28.46927 | 06 19 49.10 | +20 39 09.2 | 9 675 |
| 6612 P-L | 1955 05 22.28194 | 15 31 29.21 | -12 55 24.7 | 18.8 6 675 | (317) | 1992 11 28.50330 | 06 19 47.35 | +20 39 09.7 | 9 675 |
| 1024 T-1 | 1954 11 23.20139 | 01 45 38.61 | +20 36 26.6 | 18.5 6 675 | (317) | 1992 12 01.42031 | 06 17 16.07 | +20 39 28.1 | 9 675 |
| 1024 T-1 | 1954 11 23.22465 | 01 45 37.99 | +20 36 24.9 | 6 675 | (317) | 1992 12 01.45000 | 06 17 14.28 | +20 39 30.1 | 9 675 |
| 1212 T-2 | 1955 03 24.24722 | 10 18 17.98 | +02 12 54.6 | 18.0 6 675 | (327) | 1954 11 23.20139 | 01 42 54.04 | +18 40 21.5 | 6 675 |
| 1212 T-2 | 1955 03 24.27222 | 10 18 17.22 | +02 13 03.5 | 6 675 | (327) | 1954 11 23.22465 | 01 42 53.14 | +18 40 17.2 | 6 675 |
| 1325 T-2 | 1991 09 17.45938 | 00 22 52.98 | -00 18 10.8 | 17.5 9 675 | (337) | 1954 06 30.42326 | 21 19 17.30 | -25 46 58.9 | 6 675 |
| 2246 T-2 | 1973 09 19.19948 | 00 48 18.67 | +05 18 19.7 | 4 675 | (337) | 1954 06 30.44792 | 21 19 16.50 | -25 47 04.5 | 6 675 |
| 2246 T-2 | 1973 09 19.25006 | 00 48 16.49 | +05 17 59.1 | 4 675 | (347) | 1954 06 30.42326 | 21 28 52.13 | -25 41 17.3 | 6 675 |
| 2246 T-2 | 1973 09 20.26458 | 00 47 32.60 | +05 11 07.3 | 4 675 | (347) | 1954 06 30.44792 | 21 28 51.43 | -25 41 28.7 | 6 675 |
| 2246 T-2 | 1973 09 24.36181 | 00 44 26.98 | +04 42 44.2 | 4 675 | (352) | 1955 03 24.24722 | 10 05 45.05 | +05 57 27.3 | 6 675 |
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| (353) | 1991 10 02.30243 | 00 30 20.30 | -08 30 56.8 | 9 675 | (689) | 1986 05 04.45017 | 16 37 58.74 | -13 11 10.9 | 9 675 |
| (353) | 1991 10 02.33160 | 00 30 18.76 | -08 31 07.2 | 9 675 | (739) | 1951 09 01.36111 | 23 31 45.76 | -18 12 33.0 | 6 675 |
| (353) | 1991 10 03.30625 | 00 29 30.70 | -08 36 52.8 | 9 675 | (739) | 1951 09 01.38611 | 23 31 44.70 | -18 12 48.3 | 6 675 |
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| (437) | 1954 11 23.40868 | 06 19 16.63 | +23 48 42.7 | 6 675 | (908) | 1994 05 15.33940 | 15 23 39.89 | -05 53 27.7 | 9 675 |
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| (476) | 1954 12 22.39271 | 07 28 54.24 | +22 54 59.0 | 6 675 | (1052) | 1992 11 28.50330 | 06 22 16.57 | +20 34 25.3 | 9 675 |
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| (636) | 1953 05 18.34028 | 15 10 40.34 | -21 35 32.3 | 6 675 | (1248) | 1954 06 30.44792 | 21 10 39.75 | -25 32 48.8 | 6 675 |
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| (1429) | 1953 05 18.32466 | 15 20 56.31 | -19 40 53.4 | 6 675 | (2291) | 1991 09 12.42066 | 00 43 01.16 | -04 08 19.7 | 9 675 |
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| (1448) | 1954 06 30.42326 | 21 23 07.99 | -24 01 38.5 | 6 675 | (2291) | 1991 10 02.33160 | 00 30 35.90 | -07 56 57.9 | 9 675 |
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| (1465) | 1986 05 04.45017 | 16 40 05.65 | -07 04 12.8 | 9 675 | (2291) | 1991 10 07.29063 | 00 27 17.67 | -08 49 42.4 | 9 675 |
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| (1518) | 1991 10 03.30625 | 00 32 41.47 | -01 22 05.3 | 9 675 | (2307) | 1954 11 23.20139 | 01 45 55.19 | +17 15 10.3 | 6 675 |
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| (1582) | 1992 11 28.46927 | 06 34 35.91 | +21 52 01.4 | 9 675 | (2316) | 1954 11 23.40868 | 06 04 48.40 | +20 57 09.8 | 6 675 |
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| 1992 RG ₄ | 1995 07 01.23024 | 15 20 21.22 | -07 56 29.3 | | 691 | 1995 MB ₁ | 1995 06 29.24062 | 15 18 56.93 | -06 52 07.3 | 691 |
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| 1993 QS ₁ | 1994 11 28.46216 | 08 03 22.11 | +22 08 06.1 | 19.2 V | 691 | 1995 MD ₁ | 1995 06 23.23390 | 15 23 41.22 | -06 58 30.9 | 21.1 V 691 |
| 1993 QS ₁ | 1994 11 28.49088 | 08 03 21.70 | +22 08 07.5 | | 691 | 1995 MD ₁ | 1995 06 23.25505 | 15 23 40.67 | -06 58 46.7 | 691 |
| 1993 QS ₁ | 1994 11 28.51974 | 08 03 21.29 | +22 08 09.5 | | 691 | 1995 MD ₁ | 1995 06 23.27627 | 15 23 40.10 | -06 59 02.4 | 691 |
| 1994 LS | 1992 12 01.34792 | 04 26 00.71 | -10 46 37.9 | 18.6 V | 691 | 1995 ME ₁ | * 1995 06 22.24729 | 15 25 49.60 | -06 48 19.1 | 691 |
| 1994 LS | 1992 12 01.35582 | 04 26 00.19 | -10 46 36.5 | | 691 | 1995 ME ₁ | 1995 06 22.27623 | 15 25 48.73 | -06 48 18.3 | 18.8 V 691 |

M.P.C. 25502

1995 AUG. 10

| | | | | | | | | | |
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| 1995 ME ₁ | 1995 06 22.30422 | 15 25 47.91 | -06 48 18.0 | 691 | 1995 MN ₁ | * 1995 06 22.33885 | 21 15 58.86 | -06 52 12.4 | 691 |
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| 1995 ME ₁ | 1995 06 29.24341 | 15 22 58.80 | -06 48 56.8 | 691 | 1995 MN ₁ | 1995 06 23.35369 | 21 15 46.56 | -06 58 44.4 | 20.6 V 691 |
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| 1995 ME ₁ | 1995 07 04.21117 | 15 21 33.58 | -06 52 59.9 | 691 | 1995 MN ₁ | 1995 06 23.39957 | 21 15 45.91 | -06 59 02.4 | 691 |
| 1995 ME ₁ | 1995 07 04.23261 | 15 21 33.20 | -06 53 00.5 | 691 | 1995 MO ₁ | * 1995 06 22.33890 | 21 16 03.09 | -06 45 22.3 | 20.7 V 691 |
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| 1995 MJ ₁ | 1995 06 22.28488 | 15 38 17.43 | -06 55 04.7 | 691 | 1995 MR ₁ | 1995 06 29.30726 | 15 22 45.00 | -07 15 40.5 | 691 |
| 1995 MJ ₁ | 1995 06 22.31287 | 15 38 16.60 | -06 55 08.0 | 691 | 1995 MS ₁ | * 1995 06 23.23713 | 15 28 20.72 | -07 17 26.1 | 691 |
| 1995 MJ ₁ | 1995 06 29.27396 | 15 35 32.42 | -07 12 18.2 | 21.0 V 691 | 1995 MS ₁ | 1995 06 23.25828 | 15 28 20.17 | -07 17 20.1 | 20.3 V 691 |
| 1995 MJ ₁ | 1995 06 29.29492 | 15 35 31.98 | -07 12 21.3 | 691 | 1995 MS ₁ | 1995 06 23.27949 | 15 28 19.61 | -07 17 13.6 | 691 |
| 1995 MJ ₁ | 1995 06 29.31611 | 15 35 31.54 | -07 12 25.3 | 691 | 1995 MS ₁ | 1995 06 29.20185 | 15 26 21.35 | -06 52 15.8 | 691 |
| 1995 MK ₁ | * 1995 06 22.25598 | 15 38 22.59 | -06 39 24.8 | 19.3 V 691 | 1995 MS ₁ | 1995 06 29.22370 | 15 26 20.95 | -06 52 10.9 | 20.1 V 691 |
| 1995 MK ₁ | 1995 06 22.28493 | 15 38 21.82 | -06 39 23.4 | 691 | 1995 MS ₁ | 1995 06 29.24574 | 15 26 20.58 | -06 52 05.7 | 691 |
| 1995 MK ₁ | 1995 06 22.31292 | 15 38 21.07 | -06 39 21.3 | 691 | 1995 MT ₁ | * 1995 06 23.23881 | 15 30 46.07 | -07 19 40.4 | 691 |
| 1995 MK ₁ | 1995 06 29.20852 | 15 35 58.95 | -06 36 09.4 | 691 | 1995 MT ₁ | 1995 06 23.25996 | 15 30 45.32 | -07 19 44.1 | 20.6 V 691 |
| 1995 MK ₁ | 1995 06 29.23037 | 15 35 58.54 | -06 36 09.5 | 18.9 V 691 | 1995 MT ₁ | 1995 06 23.28117 | 15 30 44.58 | -07 19 47.3 | 691 |
| 1995 MK ₁ | 1995 06 29.25241 | 15 35 58.16 | -06 36 09.5 | 691 | 1995 MT ₁ | 1995 07 05.25238 | 15 26 01.83 | -08 04 30.5 | 21.9 V 691 |
| 1995 ML ₁ | * 1995 06 22.25869 | 15 42 16.99 | -06 45 27.2 | 18.5 V 691 | 1995 MT ₁ | 1995 07 05.28083 | 15 26 01.41 | -08 04 38.2 | 691 |
| 1995 ML ₁ | 1995 06 22.28763 | 15 42 16.06 | -06 45 26.5 | 691 | 1995 MU ₁ | * 1995 06 23.23913 | 15 31 13.73 | -07 21 30.5 | 691 |
| 1995 ML ₁ | 1995 06 22.31562 | 15 42 15.17 | -06 45 24.9 | 691 | 1995 MU ₁ | 1995 06 23.26028 | 15 31 13.09 | -07 21 33.2 | 19.8 V 691 |
| 1995 ML ₁ | 1995 06 29.21076 | 15 39 13.10 | -06 43 57.8 | 691 | 1995 MU ₁ | 1995 06 23.28149 | 15 31 12.40 | -07 21 35.8 | 691 |
| 1995 ML ₁ | 1995 06 29.23261 | 15 39 12.59 | -06 43 58.2 | 18.2 V 691 | 1995 MU ₁ | 1995 07 01.19340 | 15 27 54.40 | -07 42 12.3 | 691 |
| 1995 ML ₁ | 1995 06 29.25465 | 15 39 12.06 | -06 43 58.5 | 691 | 1995 MU ₁ | 1995 07 01.21432 | 15 27 53.93 | -07 42 16.2 | 20.8 V 691 |
| 1995 MM ₁ | * 1995 06 22.33416 | 21 09 12.51 | -06 37 30.9 | 691 | 1995 MU ₁ | 1995 07 01.23546 | 15 27 53.47 | -07 42 20.0 | 691 |
| 1995 MM ₁ | 1995 06 22.35560 | 21 09 12.12 | -06 37 32.0 | 21.1 V 691 | 1995 MV ₁ | * 1995 06 23.24071 | 15 33 30.39 | -07 20 22.3 | 19.0 V 691 |
| 1995 MM ₁ | 1995 06 22.37654 | 21 09 11.76 | -06 37 33.4 | 691 | 1995 MV ₁ | 1995 06 23.26185 | 15 33 29.68 | -07 20 25.0 | 691 |
| 1995 MM ₁ | 1995 07 04.38607 | 21 04 13.90 | -06 59 26.7 | 691 | 1995 MV ₁ | 1995 06 23.28306 | 15 33 28.97 | -07 20 27.6 | 691 |
| 1995 MM ₁ | 1995 07 04.41444 | 21 04 12.97 | -06 59 31.3 | 20.1 V 691 | 1995 MV ₁ | 1995 07 01.19500 | 15 30 13.04 | -07 41 22.2 | 691 |
| 1995 MM ₁ | 1995 07 04.44292 | 21 04 12.02 | -06 59 35.4 | 691 | 1995 MV ₁ | 1995 07 01.21592 | 15 30 12.62 | -07 41 26.5 | 19.5 V 691 |

M.P.C. 25503

1995 AUG. 10

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|----------------------|--------------------|-------------|-------------|------------|----------------------|--------------------|-------------|-------------|------------|
| 1995 MV ₁ | 1995 07 01.23706 | 15 30 12.21 | -07 41 30.2 | 691 | 1995 MD ₂ | 1995 06 29.45736 | 21 17 20.67 | -07 24 53.8 | 691 |
| 1995 MW ₁ | * 1995 06 23.24309 | 15 36 56.62 | -06 59 26.4 | 691 | 1995 ME ₂ | * 1995 06 23.35876 | 21 23 05.90 | -07 10 49.6 | 691 |
| 1995 MW ₁ | 1995 06 23.26424 | 15 36 56.06 | -06 59 26.6 | 691 | 1995 ME ₂ | 1995 06 23.37987 | 21 23 05.81 | -07 10 45.2 | 21.0 V 691 |
| 1995 MW ₁ | 1995 06 23.28545 | 15 36 55.48 | -06 59 26.7 | 19.8 V 691 | 1995 ME ₂ | 1995 06 23.40464 | 21 23 05.74 | -07 10 40.1 | 691 |
| 1995 MW ₁ | 1995 06 29.27344 | 15 34 47.13 | -07 03 21.1 | 691 | 1995 ME ₂ | 1995 06 29.34278 | 21 22 27.03 | -06 51 41.1 | 691 |
| 1995 MW ₁ | 1995 06 29.29439 | 15 34 46.74 | -07 03 22.5 | 20.7 V 691 | 1995 ME ₂ | 1995 06 29.36405 | 21 22 26.73 | -06 51 38.1 | 21.2 V 691 |
| 1995 MW ₁ | 1995 06 29.31559 | 15 34 46.33 | -07 03 23.9 | 691 | 1995 ME ₂ | 1995 06 29.38520 | 21 22 26.47 | -06 51 34.1 | 691 |
| 1995 MX ₁ | * 1995 06 23.24309 | 15 36 57.00 | -07 22 24.9 | 691 | 1995 ME ₂ | 1995 07 04.35469 | 21 21 10.07 | -06 39 40.8 | 691 |
| 1995 MX ₁ | 1995 06 23.26424 | 15 36 56.43 | -07 22 25.1 | 691 | 1995 ME ₂ | 1995 07 04.37569 | 21 21 09.64 | -06 39 38.3 | 19.9 V 691 |
| 1995 MX ₁ | 1995 06 23.28545 | 15 36 55.93 | -07 22 25.9 | 20.0 V 691 | 1995 MF ₂ | * 1995 06 24.31153 | 21 01 18.55 | -07 35 29.8 | 18.3 V 691 |
| 1995 MX ₁ | 1995 06 29.27359 | 15 35 00.35 | -07 27 12.0 | 21.0 V 691 | 1995 MF ₂ | 1995 06 24.33283 | 21 01 18.55 | -07 35 22.6 | 691 |
| 1995 MX ₁ | 1995 06 29.29455 | 15 35 00.02 | -07 27 13.9 | 691 | 1995 MF ₂ | 1995 06 24.35399 | 21 01 18.56 | -07 35 15.5 | 691 |
| 1995 MY ₁ | * 1995 06 23.24627 | 15 41 32.48 | -07 05 02.8 | 19.1 V 691 | 1995 MF ₂ | 1995 06 29.39835 | 21 01 07.31 | -07 08 59.6 | 691 |
| 1995 MY ₁ | 1995 06 23.26742 | 15 41 31.87 | -07 05 03.5 | 691 | 1995 MF ₂ | 1995 06 29.42131 | 21 01 07.06 | -07 08 53.2 | 17.8 V 691 |
| 1995 MY ₁ | 1995 06 23.28863 | 15 41 31.29 | -07 05 04.3 | 691 | 1995 MF ₂ | 1995 06 29.44611 | 21 01 06.79 | -07 08 46.2 | 691 |
| 1995 MY ₁ | 1995 07 04.26618 | 15 37 57.67 | -07 18 57.8 | 19.8 V 691 | 1995 MG ₂ | * 1995 06 24.31217 | 21 02 14.29 | -07 45 36.0 | 21.4 V 691 |
| 1995 MY ₁ | 1995 07 04.28706 | 15 37 57.37 | -07 18 59.9 | 691 | 1995 MG ₂ | 1995 06 24.33346 | 21 02 13.76 | -07 45 30.5 | 691 |
| 1995 MY ₁ | 1995 07 04.30827 | 15 37 57.09 | -07 19 02.5 | 691 | 1995 MG ₂ | 1995 06 24.35462 | 21 02 13.24 | -07 45 25.3 | 691 |
| 1995 MZ ₁ | * 1995 06 23.24678 | 15 42 16.40 | -07 15 21.4 | 691 | 1995 MG ₂ | 1995 06 29.39756 | 20 59 59.24 | -07 24 45.3 | 21.1 V 691 |
| 1995 MZ ₁ | 1995 06 23.26792 | 15 42 15.55 | -07 15 23.9 | 691 | 1995 MG ₂ | 1995 06 29.42051 | 20 59 58.53 | -07 24 40.1 | 691 |
| 1995 MZ ₁ | 1995 06 23.28913 | 15 42 14.74 | -07 15 26.3 | 19.5 V 691 | 1995 MG ₂ | 1995 06 29.44531 | 20 59 57.67 | -07 24 34.1 | 691 |
| 1995 MZ ₁ | 1995 07 01.20035 | 15 37 55.99 | -07 34 26.8 | 691 | 1995 MH ₂ | * 1995 06 24.31268 | 21 02 58.80 | -07 58 27.4 | 691 |
| 1995 MZ ₁ | 1995 07 01.22126 | 15 37 55.39 | -07 34 30.1 | 20.1 V 691 | 1995 MH ₂ | 1995 06 24.33398 | 21 02 58.31 | -07 58 23.3 | 20.8 V 691 |
| 1995 MZ ₁ | 1995 07 01.24240 | 15 37 54.76 | -07 34 33.9 | 691 | 1995 MH ₂ | 1995 06 24.35514 | 21 02 57.83 | -07 58 19.0 | 691 |
| 1995 MZ ₁ | 1995 07 05.17890 | 15 36 16.54 | -07 46 41.8 | 20.5 V 691 | 1995 MH ₂ | 1995 06 30.39958 | 21 00 26.45 | -07 39 45.2 | 691 |
| 1995 MZ ₁ | 1995 07 05.20312 | 15 36 15.95 | -07 46 46.8 | 691 | 1995 MH ₂ | 1995 06 30.42120 | 21 00 25.78 | -07 39 41.7 | 691 |
| 1995 MZ ₁ | 1995 07 05.22759 | 15 36 15.37 | -07 46 51.3 | 691 | 1995 MH ₂ | 1995 06 30.44236 | 21 00 25.17 | -07 39 38.3 | 21.0 V 691 |
| 1995 MA ₂ | * 1995 06 23.34738 | 21 06 39.50 | -07 18 37.1 | 19.8 V 691 | 1995 MJ ₂ | * 1995 06 24.31457 | 21 05 42.06 | -07 31 12.6 | 691 |
| 1995 MA ₂ | 1995 06 23.36848 | 21 06 39.15 | -07 18 33.7 | 691 | 1995 MJ ₂ | 1995 06 24.33586 | 21 05 41.58 | -07 31 10.3 | 691 |
| 1995 MA ₂ | 1995 06 23.39325 | 21 06 38.72 | -07 18 29.3 | 691 | 1995 MJ ₂ | 1995 06 24.35702 | 21 05 41.10 | -07 31 07.4 | 20.7 V 691 |
| 1995 MA ₂ | 1995 06 29.40083 | 21 04 41.91 | -07 03 29.8 | 19.3 V 691 | 1995 MJ ₂ | 1995 07 04.38398 | 21 01 12.75 | -07 17 28.8 | 691 |
| 1995 MA ₂ | 1995 06 29.42378 | 21 04 41.35 | -07 03 27.0 | 691 | 1995 MJ ₂ | 1995 07 04.41235 | 21 01 11.75 | -07 17 27.6 | 20.4 V 691 |
| 1995 MA ₂ | 1995 06 29.44858 | 21 04 40.75 | -07 03 23.7 | 691 | 1995 MJ ₂ | 1995 07 04.44083 | 21 01 10.83 | -07 17 26.1 | 691 |
| 1995 MB ₂ | * 1995 06 23.34999 | 21 10 25.97 | -07 09 22.2 | 21.1 V 691 | 1995 MK ₂ | * 1995 06 24.31951 | 21 12 50.42 | -07 44 04.9 | 691 |
| 1995 MB ₂ | 1995 06 23.37110 | 21 10 25.60 | -07 09 18.0 | 691 | 1995 MK ₂ | 1995 06 24.34081 | 21 12 50.30 | -07 43 46.1 | 691 |
| 1995 MB ₂ | 1995 06 23.39586 | 21 10 25.12 | -07 09 12.6 | 691 | 1995 MK ₂ | 1995 06 24.36197 | 21 12 50.19 | -07 43 28.1 | 20.4 V 691 |
| 1995 MB ₂ | 1995 06 29.35418 | 21 08 12.28 | -06 50 43.9 | 20.9 V 691 | 1995 MK ₂ | 1995 06 29.33561 | 21 12 06.07 | -06 31 51.8 | 691 |
| 1995 MB ₂ | 1995 06 29.37533 | 21 08 11.61 | -06 50 41.0 | 691 | 1995 MK ₂ | 1995 06 29.35688 | 21 12 05.79 | -06 31 33.2 | 691 |
| 1995 MC ₂ | * 1995 06 23.35325 | 21 15 07.87 | -06 59 09.6 | 19.9 V 691 | 1995 MK ₂ | 1995 06 29.37803 | 21 12 05.42 | -06 31 14.8 | 20.1 V 691 |
| 1995 MC ₂ | 1995 06 23.37435 | 21 15 07.64 | -06 59 07.3 | 691 | 1995 ML ₂ | * 1995 06 24.32125 | 21 15 21.41 | -07 36 49.7 | 20.9 V 691 |
| 1995 MC ₂ | 1995 06 23.39912 | 21 15 07.25 | -06 59 04.6 | 691 | 1995 ML ₂ | 1995 06 24.34255 | 21 15 21.17 | -07 36 46.7 | 691 |
| 1995 MC ₂ | 1995 06 29.33660 | 21 13 32.21 | -06 50 01.8 | 691 | 1995 ML ₂ | 1995 06 24.36371 | 21 15 20.87 | -07 36 43.7 | 691 |
| 1995 MC ₂ | 1995 06 29.35787 | 21 13 31.74 | -06 50 00.6 | 691 | 1995 ML ₂ | 1995 06 29.40723 | 21 13 57.00 | -07 26 44.8 | 20.7 V 691 |
| 1995 MC ₂ | 1995 06 29.37902 | 21 13 31.27 | -06 49 59.1 | 19.5 V 691 | 1995 ML ₂ | 1995 06 29.43019 | 21 13 56.47 | -07 26 42.4 | 691 |
| 1995 MC ₂ | 1995 07 04.32701 | 21 11 38.39 | -06 45 48.5 | 19.0 V 691 | 1995 ML ₂ | 1995 06 29.45499 | 21 13 55.88 | -07 26 39.9 | 691 |
| 1995 MC ₂ | 1995 07 04.34809 | 21 11 37.78 | -06 45 47.9 | 691 | 1995 ML ₂ | 1995 07 04.39141 | 21 11 55.71 | -07 20 41.3 | 20.2 V 691 |
| 1995 MC ₂ | 1995 07 04.36908 | 21 11 37.21 | -06 45 46.7 | 691 | 1995 ML ₂ | 1995 07 04.41978 | 21 11 54.86 | -07 20 39.9 | 691 |
| 1995 MD ₂ | * 1995 06 23.35593 | 21 19 00.52 | -07 04 37.6 | 21.5 V 691 | 1995 ML ₂ | 1995 07 04.44825 | 21 11 53.99 | -07 20 38.1 | 691 |
| 1995 MD ₂ | 1995 06 23.37704 | 21 19 00.20 | -07 04 40.9 | 691 | 1995 MM ₂ | * 1995 06 24.32213 | 21 16 37.30 | -07 33 10.1 | 691 |
| 1995 MD ₂ | 1995 06 23.40180 | 21 18 59.86 | -07 04 45.6 | 691 | 1995 MM ₂ | 1995 06 24.34344 | 21 16 37.79 | -07 33 05.6 | 691 |
| 1995 MD ₂ | 1995 06 29.40960 | 21 17 21.68 | -07 24 43.4 | 21.0 V 691 | 1995 MM ₂ | 1995 06 24.36461 | 21 16 38.23 | -07 33 01.0 | 18.8 V 691 |
| 1995 MD ₂ | 1995 06 29.43255 | 21 17 21.18 | -07 24 48.1 | 691 | 1995 MM ₂ | 1995 06 29.41019 | 21 18 12.94 | -07 17 05.8 | 18.7 V 691 |

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|----------------------|--------------------|-------------|-------------|--------|----------------------|----------------------|--------------------|-------------|-------------|--------|
| 1995 MM ₂ | 1995 06 29.43315 | 21 18 13.19 | -07 17 02.2 | 691 | 1995 MV ₂ | 1995 07 05.25407 | 15 28 27.89 | -08 32 13.9 | 20.8 V | 691 |
| 1995 MM ₂ | 1995 06 29.45797 | 21 18 13.44 | -07 16 58.1 | 691 | 1995 MV ₂ | 1995 07 05.28253 | 15 28 28.09 | -08 32 24.0 | | 691 |
| 1995 MN ₂ | * 1995 06 24.32261 | 21 17 18.64 | -07 49 29.8 | 691 | 1995 MW ₂ | * 1995 06 25.20183 | 15 28 42.89 | -07 52 32.1 | 20.2 V | 691 |
| 1995 MN ₂ | 1995 06 24.34391 | 21 17 18.32 | -07 49 26.1 | 19.9 V | 691 | 1995 MW ₂ | 1995 06 25.22298 | 15 28 42.39 | -07 52 35.2 | 691 |
| 1995 MN ₂ | 1995 06 24.36506 | 21 17 17.95 | -07 49 22.2 | 691 | 1995 MW ₂ | 1995 06 25.24419 | 15 28 41.81 | -07 52 38.3 | | 691 |
| 1995 MN ₂ | 1995 07 04.39267 | 21 13 45.33 | -07 24 04.6 | 19.4 V | 691 | 1995 MW ₂ | 1995 07 01.26134 | 15 26 32.85 | -08 09 56.9 | 691 |
| 1995 MN ₂ | 1995 07 04.42104 | 21 13 44.47 | -07 24 01.4 | 691 | 1995 MW ₂ | 1995 07 01.28249 | 15 26 32.33 | -08 10 02.6 | 20.6 V | 691 |
| 1995 MN ₂ | 1995 07 04.44952 | 21 13 43.63 | -07 23 57.8 | 691 | 1995 MW ₂ | 1995 07 01.30376 | 15 26 31.91 | -08 10 06.5 | | 691 |
| 1995 MO ₂ | * 1995 06 24.32608 | 21 22 19.82 | -07 47 48.7 | 20.9 V | 691 | 1995 MW ₂ | 1995 07 05.25203 | 15 25 31.42 | -08 23 20.8 | 20.6 V |
| 1995 MO ₂ | 1995 06 24.34739 | 21 22 19.79 | -07 47 44.7 | 691 | 1995 MW ₂ | 1995 07 05.28048 | 15 25 31.01 | -08 23 29.6 | | 691 |
| 1995 MO ₂ | 1995 06 24.36855 | 21 22 19.69 | -07 47 41.1 | 691 | 1995 MX ₂ | * 1995 06 25.20280 | 15 30 07.00 | -07 53 26.7 | | 691 |
| 1995 MO ₂ | 1995 07 04.39745 | 21 20 39.22 | -07 23 07.6 | 20.0 V | 691 | 1995 MX ₂ | 1995 06 25.22395 | 15 30 06.48 | -07 53 26.4 | 19.9 V |
| 1995 MO ₂ | 1995 07 04.42582 | 21 20 38.64 | -07 23 04.9 | 691 | 1995 MX ₂ | 1995 06 25.24516 | 15 30 05.97 | -07 53 26.9 | | 691 |
| 1995 MO ₂ | 1995 07 04.45430 | 21 20 38.05 | -07 23 01.8 | 691 | 1995 MX ₂ | 1995 07 01.19354 | 15 28 06.13 | -07 56 10.5 | | 691 |
| 1995 MP ₂ | * 1995 06 24.38477 | 21 13 39.74 | -08 30 49.2 | 19.7 V | 691 | 1995 MX ₂ | 1995 07 01.21445 | 15 28 05.70 | -07 56 11.7 | 691 |
| 1995 MP ₂ | 1995 06 24.41291 | 21 13 39.37 | -08 30 46.7 | 691 | 1995 MX ₂ | 1995 07 01.23559 | 15 28 05.34 | -07 56 12.4 | 20.7 V | 691 |
| 1995 MP ₂ | 1995 06 24.43409 | 21 13 39.04 | -08 30 45.4 | 691 | 1995 MY ₂ | * 1995 06 25.20729 | 15 36 35.79 | -07 54 01.4 | | 691 |
| 1995 MP ₂ | 1995 07 03.31058 | 21 10 49.83 | -08 25 25.4 | 691 | 1995 MY ₂ | 1995 06 25.22844 | 15 36 35.25 | -07 54 01.4 | 18.5 V | 691 |
| 1995 MP ₂ | 1995 07 03.33495 | 21 10 49.20 | -08 25 25.0 | 20.1 V | 691 | 1995 MY ₂ | 1995 06 25.24965 | 15 36 34.70 | -07 54 01.0 | 691 |
| 1995 MP ₂ | 1995 07 03.35929 | 21 10 48.52 | -08 25 25.2 | 691 | 1995 MY ₂ | 1995 07 05.17699 | 15 33 31.31 | -07 58 23.6 | | 691 |
| 1995 MQ ₂ | * 1995 06 24.38764 | 21 17 47.83 | -08 07 49.3 | 691 | 1995 MY ₂ | 1995 07 05.20122 | 15 33 30.93 | -07 58 24.2 | | 691 |
| 1995 MQ ₂ | 1995 06 24.41578 | 21 17 47.47 | -08 07 38.6 | 691 | 1995 MY ₂ | 1995 07 05.22568 | 15 33 30.62 | -07 58 25.7 | 19.1 V | 691 |
| 1995 MQ ₂ | 1995 06 24.43695 | 21 17 47.11 | -08 07 30.5 | 20.1 V | 691 | 1995 MZ ₂ | * 1995 06 25.20966 | 15 40 01.56 | -07 57 28.9 | 691 |
| 1995 MQ ₂ | 1995 07 04.42150 | 21 14 24.52 | -07 08 05.3 | 20.0 V | 691 | 1995 MZ ₂ | 1995 06 25.23082 | 15 40 00.90 | -07 57 34.2 | 20.0 V |
| 1995 MQ ₂ | 1995 07 04.44998 | 21 14 23.66 | -07 07 55.6 | 691 | 1995 MZ ₂ | 1995 06 25.25203 | 15 40 00.31 | -07 57 38.2 | | 691 |
| 1995 MR ₂ | * 1995 06 24.39081 | 21 22 22.66 | -08 03 52.4 | 20.1 V | 691 | 1995 MZ ₂ | 1995 07 01.26919 | 15 37 52.54 | -08 23 19.6 | 691 |
| 1995 MR ₂ | 1995 06 24.41895 | 21 22 22.42 | -08 03 44.6 | 691 | 1995 MZ ₂ | 1995 07 01.29034 | 15 37 52.19 | -08 23 25.6 | 21.2 V | 691 |
| 1995 MR ₂ | 1995 06 24.44013 | 21 22 22.28 | -08 03 38.9 | 691 | 1995 MZ ₂ | 1995 07 01.31161 | 15 37 51.80 | -08 23 32.3 | | 691 |
| 1995 MR ₂ | 1995 07 04.39692 | 21 19 53.44 | -07 24 10.0 | 691 | 1995 MA ₃ | * 1995 06 25.21042 | 15 41 06.99 | -08 00 10.5 | | 691 |
| 1995 MR ₂ | 1995 07 04.42529 | 21 19 52.69 | -07 24 04.7 | 691 | 1995 MA ₃ | 1995 06 25.23157 | 15 41 06.43 | -08 00 12.5 | 19.3 V | 691 |
| 1995 MR ₂ | 1995 07 04.45377 | 21 19 51.93 | -07 23 59.2 | 20.4 V | 691 | 1995 MA ₃ | 1995 06 25.25278 | 15 41 05.82 | -08 00 14.3 | 691 |
| 1995 MS ₂ | * 1995 06 24.39169 | 21 23 39.30 | -08 26 26.0 | 691 | 1995 MA ₃ | 1995 07 01.26988 | 15 38 52.27 | -08 09 47.7 | 20.5 V | 691 |
| 1995 MS ₂ | 1995 06 24.41983 | 21 23 38.85 | -08 26 15.0 | 691 | 1995 MA ₃ | 1995 07 01.29103 | 15 38 51.85 | -08 09 50.6 | | 691 |
| 1995 MS ₂ | 1995 06 24.44101 | 21 23 38.48 | -08 26 06.3 | 20.1 V | 691 | 1995 MA ₃ | 1995 07 01.31230 | 15 38 51.44 | -08 09 52.7 | 691 |
| 1995 MS ₂ | 1995 07 04.39697 | 21 19 57.95 | -07 23 44.4 | 691 | 1995 MB ₃ | * 1995 06 25.21079 | 15 41 38.97 | -08 01 26.7 | | 691 |
| 1995 MS ₂ | 1995 07 04.42534 | 21 19 57.08 | -07 23 34.7 | 19.8 V | 691 | 1995 MB ₃ | 1995 06 25.23194 | 15 41 38.45 | -08 01 33.6 | 20.7 V |
| 1995 MS ₂ | 1995 07 04.45382 | 21 19 56.20 | -07 23 24.5 | 691 | 1995 MB ₃ | 1995 06 25.25315 | 15 41 37.92 | -08 01 40.6 | | 691 |
| 1995 MT ₂ | * 1995 06 25.19668 | 15 21 16.67 | -07 47 02.5 | 19.1 V | 691 | 1995 MB ₃ | 1995 07 02.17933 | 15 39 52.95 | -08 41 34.0 | 21.4 V |
| 1995 MT ₂ | 1995 06 25.21783 | 15 21 16.09 | -07 46 59.6 | 691 | 1995 MB ₃ | 1995 07 02.21049 | 15 39 52.57 | -08 41 45.6 | | 691 |
| 1995 MT ₂ | 1995 06 25.23904 | 15 21 15.55 | -07 46 56.8 | 691 | 1995 MB ₃ | 1995 07 02.24266 | 15 39 52.23 | -08 41 57.9 | | 691 |
| 1995 MT ₂ | 1995 07 01.18739 | 15 19 13.26 | -07 36 48.5 | 19.7 V | 691 | 1995 MC ₃ | * 1995 06 25.21194 | 15 43 18.99 | -07 48 15.7 | 691 |
| 1995 MT ₂ | 1995 07 01.20830 | 15 19 12.90 | -07 36 47.0 | 691 | 1995 MC ₃ | 1995 06 25.23309 | 15 43 18.15 | -07 48 22.9 | 18.9 V | 691 |
| 1995 MT ₂ | 1995 07 01.22944 | 15 19 12.53 | -07 36 45.4 | 691 | 1995 MC ₃ | 1995 06 25.25430 | 15 43 17.28 | -07 48 30.0 | | 691 |
| 1995 MU ₂ | * 1995 06 25.19946 | 15 25 17.83 | -07 32 51.9 | 20.1 V | 691 | 1995 MC ₃ | 1995 07 01.27063 | 15 39 57.86 | -08 23 53.2 | 691 |
| 1995 MU ₂ | 1995 06 25.22061 | 15 25 17.25 | -07 32 53.6 | 691 | 1995 MC ₃ | 1995 07 01.29178 | 15 39 57.20 | -08 24 01.5 | | 691 |
| 1995 MU ₂ | 1995 06 25.24183 | 15 25 16.75 | -07 32 55.0 | 691 | 1995 MC ₃ | 1995 07 01.31305 | 15 39 56.57 | -08 24 09.7 | 20.0 V | 691 |
| 1995 MU ₂ | 1995 07 05.16914 | 15 22 11.68 | -07 48 35.2 | 21.2 V | 691 | 1995 MC ₃ | 1995 07 02.17910 | 15 39 32.86 | -08 29 35.8 | 19.6 V |
| 1995 MU ₂ | 1995 07 05.19337 | 15 22 11.35 | -07 48 38.3 | 691 | 1995 MC ₃ | 1995 07 02.21025 | 15 39 31.93 | -08 29 47.8 | | 691 |
| 1995 MU ₂ | 1995 07 05.21784 | 15 22 11.02 | -07 48 40.9 | 691 | 1995 MC ₃ | 1995 07 02.24241 | 15 39 31.01 | -08 30 00.0 | | 691 |
| 1995 MV ₂ | * 1995 06 25.20163 | 15 28 26.06 | -07 39 55.7 | 691 | 1995 MD ₃ | * 1995 06 25.21206 | 15 43 28.83 | -07 59 46.5 | 19.6 V | 691 |
| 1995 MV ₂ | 1995 06 25.22279 | 15 28 25.87 | -07 40 01.3 | 19.8 V | 691 | 1995 MD ₃ | 1995 06 25.23321 | 15 43 28.22 | -07 59 51.5 | 691 |
| 1995 MV ₂ | 1995 06 25.24401 | 15 28 25.62 | -07 40 06.6 | 691 | 1995 MD ₃ | 1995 06 25.25442 | 15 43 27.62 | -07 59 55.1 | | 691 |

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| 1995 MD ₃ | 1995 07 01.29265 | 15 41 12.35 | -08 22 30.1 | | 691 | 1995 MN ₃ | 1995 06 25.29497 | 15 36 23.36 | -08 16 35.9 | | 691 |
| 1995 MD ₃ | 1995 07 01.31392 | 15 41 11.93 | -08 22 35.6 | 20.6 V | 691 | 1995 MN ₃ | 1995 06 25.31615 | 15 36 22.66 | -08 16 38.8 | | 691 |
| 1995 ME ₃ | * 1995 06 25.22627 | 15 33 27.14 | -07 32 14.0 | | 691 | 1995 MN ₃ | 1995 07 01.26625 | 15 33 38.19 | -08 32 51.1 | | 691 |
| 1995 ME ₃ | 1995 06 25.24748 | 15 33 26.55 | -07 32 12.9 | 19.9 V | 691 | 1995 MN ₃ | 1995 07 01.28740 | 15 33 37.68 | -08 32 55.0 | | 691 |
| 1995 ME ₃ | 1995 07 04.26080 | 15 30 11.41 | -07 28 27.8 | 20.7 V | 691 | 1995 MN ₃ | 1995 07 01.30867 | 15 33 37.18 | -08 32 59.1 | 20.2 V | 691 |
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| 1995 MJ ₃ | 1995 07 01.30537 | 15 28 50.89 | -08 23 09.9 | 21.0 V | 691 | 1995 MS ₃ | 1995 06 26.36869 | 21 32 21.74 | -01 26 19.9 | | 691 |
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| 1995 MJ ₃ | 1995 07 05.28222 | 15 28 01.27 | -08 32 18.1 | | 691 | 1995 MS ₃ | 1995 07 05.43196 | 21 29 40.90 | -01 31 46.5 | 19.4 V | 691 |
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| 1995 MK ₃ | 1995 07 02.23820 | 15 33 25.83 | -08 36 48.0 | 19.3 V | 691 | 1995 MT ₃ | 1995 07 05.39499 | 21 36 03.18 | -00 58 50.9 | | 691 |
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| 1995 ML ₃ | 1995 06 25.31579 | 15 35 51.88 | -08 27 36.1 | | 691 | 1995 MU ₃ | 1995 06 28.36639 | 21 37 29.56 | -02 21 30.2 | | 691 |
| 1995 ML ₃ | 1995 07 02.17531 | 15 34 04.81 | -08 57 44.7 | 19.1 V | 691 | 1995 MU ₃ | 1995 07 05.41848 | 21 40 34.20 | -01 31 30.6 | 19.6 V | 691 |
| 1995 ML ₃ | 1995 07 02.20647 | 15 34 04.43 | -08 57 53.9 | | 691 | 1995 MU ₃ | 1995 07 05.43951 | 21 40 34.52 | -01 31 22.5 | | 691 |
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| 1995 MM ₃ | 1995 07 02.17493 | 15 33 31.50 | -08 46 22.6 | 19.4 V | 691 | 1995 MV ₃ | 1995 07 05.41777 | 21 39 32.30 | -01 51 20.4 | 19.9 V | 691 |
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| 1995 MP ₄ | 1995 06 29.45393 | 21 12 24.02 | -07 03 21.7 | 691 | 1995 NJ | * 1995 07 01.28936 | 15 36 27.15 | -08 31 55.8 | 20.8 V 691 |
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| 1995 MP ₄ | 1995 07 04.41863 | 21 10 15.26 | -06 58 13.9 | 19.7 V 691 | 1995 NJ | 1995 07 02.17674 | 15 36 08.59 | -08 35 54.0 | 20.9 V 691 |
| 1995 MP ₄ | 1995 07 04.44710 | 21 10 14.45 | -06 58 11.5 | 691 | 1995 NJ | 1995 07 02.20789 | 15 36 07.86 | -08 36 02.4 | 691 |
| 1995 MQ ₄ | * 1995 06 29.40796 | 21 14 59.89 | -06 59 39.4 | 691 | 1995 NJ | 1995 07 02.24006 | 15 36 07.15 | -08 36 11.4 | 691 |
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| 1995 MQ ₄ | 1995 06 29.45572 | 21 14 58.61 | -06 59 30.7 | 20.7 V 691 | 1995 NK | 1995 07 02.21191 | 15 41 55.42 | -08 33 20.6 | 18.9 V 691 |
| 1995 MQ ₄ | 1995 07 04.32772 | 21 12 39.95 | -06 46 07.8 | 20.4 V 691 | 1995 NK | 1995 07 02.24407 | 15 41 54.66 | -08 33 17.1 | 691 |
| 1995 MQ ₄ | 1995 07 04.34880 | 21 12 39.27 | -06 46 04.9 | 691 | 1995 NK | 1995 07 05.26271 | 15 40 56.69 | -08 28 27.2 | 19.2 V 691 |
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| 1995 MR ₄ | 1995 06 29.45882 | 21 19 27.19 | -07 02 52.2 | 691 | 1995 NL | 1995 07 02.24490 | 15 43 06.69 | -08 32 27.7 | 691 |
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| 1995 MR ₄ | 1995 07 04.35341 | 21 19 18.59 | -06 41 26.1 | 691 | 1995 NL | 1995 07 05.29251 | 15 42 53.28 | -08 24 24.6 | 691 |
| 1995 MR ₄ | 1995 07 04.37440 | 21 19 18.40 | -06 41 20.6 | 691 | 1995 NM | * 1995 07 02.18203 | 15 43 46.76 | -09 00 00.6 | 691 |
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| 1995 NC | 1995 07 01.22365 | 15 41 22.59 | -07 46 13.7 | 691 | 1995 NM | 1995 07 02.24535 | 15 43 45.63 | -09 00 14.4 | 19.5 V 691 |
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| 1995 NC | 1995 07 05.18166 | 15 40 16.34 | -07 47 45.5 | 20.4 V 691 | 1995 NM | 1995 07 03.19133 | 15 43 31.27 | -09 03 39.2 | 19.5 V 691 |
| 1995 NC | 1995 07 05.20589 | 15 40 15.96 | -07 47 46.3 | 691 | 1995 NM | 1995 07 03.21233 | 15 43 30.92 | -09 03 43.9 | 691 |
| 1995 NC | 1995 07 05.23036 | 15 40 15.59 | -07 47 47.4 | 691 | 1995 NN | * 1995 07 02.18481 | 15 47 47.55 | -08 58 28.3 | 691 |
| 1995 ND | * 1995 07 01.25839 | 15 22 17.13 | -08 16 48.7 | 691 | 1995 NN | 1995 07 02.21596 | 15 47 46.67 | -08 58 36.9 | 19.4 V 691 |
| 1995 ND | 1995 07 01.27954 | 15 22 16.86 | -08 16 44.0 | 691 | 1995 NN | 1995 07 02.24812 | 15 47 45.74 | -08 58 46.3 | 691 |
| 1995 ND | 1995 07 01.30081 | 15 22 16.62 | -08 16 38.9 | 20.6 V 691 | 1995 NN | 1995 07 03.19398 | 15 47 20.59 | -09 03 06.6 | 19.5 V 691 |
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| 1995 ND | 1995 07 05.27794 | 15 21 51.19 | -08 03 42.6 | 691 | 1995 OF | 1995 07 02.30724 | 21 05 49.62 | -10 05 18.1 | 691 |
| 1995 NE | * 1995 07 01.26111 | 15 26 13.06 | -08 32 13.8 | 18.9 V 691 | 1995 OF | 1995 07 02.33342 | 21 05 48.96 | -10 05 11.0 | 691 |
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| 1995 NE | 1995 07 01.30355 | 15 26 13.93 | -08 32 24.6 | 691 | 1995 OO | * 1995 07 25.44948 | 00 40 19.27 | +02 35 48.6 | 20.7 V 691 |
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| 1995 NE | 1995 07 06.17104 | 15 28 31.82 | -08 56 17.4 | 18.9 V 691 | 1995 OO | 1995 07 26.45814 | 00 39 42.25 | +02 36 50.2 | 21.1 V 691 |
| 1995 NE | 1995 07 06.20722 | 15 28 32.89 | -08 56 28.8 | 691 | 1995 OO | 1995 07 26.46564 | 00 39 41.97 | +02 36 50.8 | 21.5 V 691 |
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| 1995 NF | 1995 07 01.30858 | 15 33 29.43 | -08 22 33.3 | 691 | 3155 T-2 | 1995 07 02.40421 | 22 07 10.32 | -11 12 19.8 | 19.4 V 691 |
| 1995 NF | 1995 07 05.25659 | 15 32 06.41 | -08 32 36.0 | 21.3 V 691 | 3155 T-2 | 1995 07 02.43044 | 22 07 10.00 | -11 12 23.0 | 691 |
| 1995 NF | 1995 07 05.28504 | 15 32 05.83 | -08 32 39.9 | 691 | 3155 T-2 | 1995 07 02.46138 | 22 07 09.66 | -11 12 27.4 | 691 |
| 1995 NG | * 1995 07 01.26905 | 15 37 41.08 | -08 23 06.2 | 20.9 V 691 | 4124 T-3 | 1995 02 23.37775 | 11 36 24.00 | +05 50 55.0 | 691 |
| 1995 NG | 1995 07 01.29021 | 15 37 40.81 | -08 23 08.0 | 691 | 4124 T-3 | 1995 02 23.39925 | 11 36 23.18 | +05 51 01.2 | 691 |
| 1995 NG | 1995 07 01.31148 | 15 37 40.45 | -08 23 11.3 | 691 | 4124 T-3 | 1995 02 23.42278 | 11 36 22.17 | +05 51 09.4 | 20.2 V 691 |
| 1995 NG | 1995 07 05.26002 | 15 37 03.24 | -08 31 00.5 | 20.7 V 691 | (91) | 1995 07 24.43552 | 00 36 42.98 | +02 49 16.2 | 13.2 V 691 |
| 1995 NG | 1995 07 05.28847 | 15 37 03.01 | -08 31 03.7 | 691 | (91) | 1995 07 24.44642 | 00 36 43.25 | +02 49 17.5 | 691 |
| 1995 NH | * 1995 07 01.27122 | 15 40 48.59 | -08 26 54.6 | 691 | (91) | 1995 07 24.45735 | 00 36 43.50 | +02 49 19.5 | 691 |
| 1995 NH | 1995 07 01.29237 | 15 40 48.17 | -08 27 06.9 | 691 | (211) | 1995 07 26.32419 | 22 59 08.70 | -01 09 07.9 | 13.1 V 691 |
| 1995 NH | 1995 07 01.31364 | 15 40 47.77 | -08 27 19.7 | 18.9 V 691 | (211) | 1995 07 26.34502 | 22 59 08.28 | -01 09 08.1 | 691 |
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| 1995 NH | 1995 07 02.21095 | 15 40 32.90 | -08 36 06.1 | 691 | (390) | 1995 07 03.39943 | 22 05 40.80 | -08 38 40.8 | 691 |

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| (551) | 1995 07 24.30745 | 22 33 30.21 | -09 28 44.5 | | 691 | (2148) | 1995 07 25.26609 | 21 24 21.63 | -07 41 31.9 | | 691 |
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| (551) | 1995 08 01.38288 | 22 29 31.61 | -09 51 58.6 | | 691 | (2345) | 1995 07 02.44955 | 21 50 05.53 | -11 11 49.5 | | 691 |
| (551) | 1995 08 01.40385 | 22 29 30.87 | -09 52 02.9 | | 691 | (2381) | 1995 06 29.40300 | 21 07 50.18 | -07 06 14.5 | | 691 |
| (591) | 1995 08 03.36772 | 22 48 27.65 | -08 55 55.1 | 15.7 V | 691 | (2381) | 1995 06 29.42595 | 21 07 49.63 | -07 06 18.4 | 16.6 V | 691 |
| (591) | 1995 08 03.39226 | 22 48 26.56 | -08 55 57.1 | | 691 | (2381) | 1995 06 29.45076 | 21 07 49.07 | -07 06 22.5 | | 691 |
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| (628) | 1995 07 01.20233 | 15 40 47.58 | -07 58 14.8 | 13.5 V | 691 | (2752) | 1995 06 22.27128 | 15 18 39.97 | -06 51 32.1 | | 691 |
| (628) | 1995 07 01.22324 | 15 40 47.11 | -07 58 21.8 | | 691 | (2752) | 1995 06 22.29927 | 15 18 39.27 | -06 51 31.7 | | 691 |
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| (756) | 1995 06 26.26555 | 16 13 24.62 | +00 36 03.8 | 14.6 V | 691 | (2752) | 1995 06 28.25538 | 15 16 40.76 | -06 51 22.2 | | 691 |
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| G. Hahn, DLR, Institute for Planetary Exploration, Rudower Chaussee 5, D-12489 | | | | | 1991 LC ₁ | 1995 07 31.21170 | 21 15 04.76 | +04 18 18.9 | 15.8 R | 816 |
| Berlin, Germany [hahn@terra.pe.ba.dlr.de] | | | | | 1992 UF ₆ | 1995 07 30.30123 | 22 11 41.85 | -06 02 45.8 | 16.8 R | 816 |
| Observer A. Erikson | | | | | 1992 UF ₆ | 1995 07 30.30502 | 22 11 41.70 | -06 02 45.4 | 16.9 R | 816 |
| Measurer S. Mottola | | | | | 1992 UF ₆ | 1995 07 30.30911 | 22 11 41.53 | -06 02 45.7 | 16.8 R | 816 |
| 0.6-m Bochum telescope + CCD | | | | | 1992 UF ₆ | 1995 07 31.26448 | 22 11 02.13 | -06 02 39.0 | 17.1 R | 816 |
| 1995 FQ | 1995 05 07.00630 | 12 50 34.26 | -23 49 15.5 | 809 | 1992 UF ₆ | 1995 07 31.26638 | 22 11 02.05 | -06 02 39.1 | 17.2 R | 816 |
| 1995 FQ | 1995 05 07.00828 | 12 50 34.19 | -23 49 14.5 | 809 | 1992 UF ₆ | 1995 07 31.26809 | 22 11 01.97 | -06 02 39.1 | 17.1 R | 816 |
| 1995 FA ₁ | 1995 05 07.01631 | 13 27 49.65 | -09 20 41.1 | 809 | 1992 UF ₆ | 1995 07 31.26991 | 22 11 01.89 | -06 02 39.1 | 17.2 R | 816 |
| 1995 FA ₁ | 1995 05 07.01889 | 13 27 49.53 | -09 20 40.2 | 809 | (387) | 1995 07 31.23980 | 21 29 32.42 | -18 06 11.8 | 10.2 R | 816 |
| 1995 FA ₁ | 1995 07 28.98383 | 14 15 44.10 | -12 32 26.0 | 809 | (387) | 1995 07 31.24079 | 21 29 32.39 | -18 06 12.7 | 10.2 R | 816 |
| 1995 FA ₁ | 1995 07 28.98852 | 14 15 44.55 | -12 32 28.3 | 809 | (387) | 1995 07 31.24183 | 21 29 32.34 | -18 06 13.8 | 10.2 R | 816 |

| | | | | | |
|--------|------------------|-------------|-------------|----------|-----|
| (387) | 1995 07 31.24287 | 21 29 32.30 | -18 06 14.8 | 10.2 R | 816 |
| (387) | 1995 07 31.24397 | 21 29 32.26 | -18 06 15.8 | 10.2 R | 816 |
| (387) | 1995 07 31.32030 | 21 29 29.16 | -18 07 28.9 | 10.3 R | 816 |
| (387) | 1995 07 31.32146 | 21 29 29.12 | -18 07 30.0 | 10.3 R | 816 |
| (387) | 1995 07 31.32262 | 21 29 29.06 | -18 07 31.2 | 10.3 R | 816 |
| (387) | 1995 07 31.32348 | 21 29 29.03 | -18 07 31.9 | 10.3 R | 816 |
| (387) | 1995 07 31.32447 | 21 29 28.99 | -18 07 33.0 | 10.3 R | 816 |
| (2642) | 1995 07 22.33564 | 23 27 36.98 | +14 51 16.9 | 15.9 R | 816 |
| (2642) | 1995 07 22.33779 | 23 27 37.04 | +14 51 17.5 | 15.9 R | 816 |
| (2642) | 1995 07 22.34257 | 23 27 37.16 | +14 51 18.9 | 15.9 R | 816 |
| (2642) | 1995 07 22.34456 | 23 27 37.21 | +14 51 19.5 | 15.9 R | 816 |
| (3101) | 1995 07 23.09998 | 16 27 19.90 | +19 18 10.4 | 17.5 R | 816 |
| (3101) | 1995 07 23.11526 | 16 27 19.95 | +19 17 51.5 | 17.8 R W | 816 |
| (6477) | 1995 06 23.23875 | 18 01 49.56 | -10 30 09.1 | | 816 |
| (6477) | 1995 06 23.24193 | 18 01 49.42 | -10 30 09.2 | | 816 |

877 Okutama

T. Hioki, Tonogaya 922, Mizuho, Nishi-Tama Gun, Tokyo 190-12, Japan

0.30-m $f/3.8$ hyperboloid astrocamera + CCD

GSC

| | | | | | |
|--------|------------------|-------------|-------------|------|-----|
| (5822) | 1993 11 25.84132 | 08 17 51.40 | +22 04 29.5 | 16.0 | 877 |
| (5822) | 1993 11 25.84757 | 08 17 51.55 | +22 04 29.5 | | 877 |
| (5822) | 1993 11 25.85394 | 08 17 51.67 | +22 04 31.4 | | 877 |
| (5822) | 1993 11 27.80000 | 08 18 47.68 | +22 10 28.0 | 16.0 | 877 |
| (5822) | 1993 11 27.80833 | 08 18 47.87 | +22 10 28.6 | | 877 |
| (5822) | 1993 11 27.83681 | 08 18 48.58 | +22 10 36.3 | | 877 |
| (5822) | 1993 11 27.84514 | 08 18 48.73 | +22 10 36.4 | | 877 |
| (5822) | 1993 12 11.76389 | 08 21 19.69 | +23 10 56.6 | 15.5 | 877 |
| (5822) | 1993 12 11.77257 | 08 21 19.60 | +23 11 00.5 | | 877 |
| (5822) | 1993 12 11.78160 | 08 21 19.55 | +23 11 03.1 | | 877 |
| (5822) | 1993 12 11.82917 | 08 21 19.16 | +23 11 17.9 | | 877 |
| (5822) | 1993 12 11.83750 | 08 21 19.08 | +23 11 20.3 | | 877 |
| (5822) | 1993 12 12.67847 | 08 21 13.87 | +23 15 59.5 | 15.5 | 877 |
| (5822) | 1993 12 12.73125 | 08 21 13.32 | +23 16 17.3 | | 877 |
| (5822) | 1993 12 23.72361 | 08 17 26.26 | +24 25 35.0 | 15.5 | 877 |
| (5822) | 1993 12 23.73542 | 08 17 25.82 | +24 25 40.2 | | 877 |
| (5822) | 1993 12 23.76470 | 08 17 24.78 | +24 25 51.8 | | 877 |
| (5822) | 1993 12 23.77292 | 08 17 24.46 | +24 25 55.6 | | 877 |
| (5822) | 1993 12 23.79132 | 08 17 23.81 | +24 26 02.7 | | 877 |
| (5822) | 1993 12 23.79630 | 08 17 23.62 | +24 26 04.7 | | 877 |
| (5822) | 1994 01 22.77535 | 07 50 07.79 | +27 48 54.8 | 15.5 | 877 |
| (5822) | 1994 01 22.78021 | 07 50 07.49 | +27 48 56.1 | | 877 |
| (5822) | 1994 01 22.78681 | 07 50 07.11 | +27 48 58.2 | | 877 |
| (5822) | 1994 02 04.71354 | 07 38 30.78 | +28 40 57.5 | 15.5 | 877 |
| (5822) | 1994 02 04.72292 | 07 38 30.40 | +28 40 57.8 | | 877 |
| (5822) | 1994 02 05.49039 | 07 37 57.77 | +28 43 04.1 | 15.5 | 877 |
| (5822) | 1994 02 05.49954 | 07 37 57.32 | +28 43 05.7 | | 877 |

894 Otomo

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

0.25-m $f/3.4$ reflector

PPM

| | | | | | |
|----------------------|--------------------|-------------|-------------|------|-----|
| 1978 RG ₁ | 1995 08 03.65556 | 21 00 00.18 | -16 18 51.8 | 16.5 | 894 |
| 1978 RG ₁ | 1995 08 03.66806 | 20 59 59.59 | -16 18 55.4 | | 894 |
| 1978 RG ₁ | 1995 08 04.64028 | 20 59 15.46 | -16 22 48.1 | 16.0 | 894 |
| 1978 RG ₁ | 1995 08 04.65278 | 20 59 14.87 | -16 22 50.7 | | 894 |
| 1991 HH | 1995 07 24.68646 | 20 07 19.22 | -10 41 09.0 | 15.5 | 894 |
| 1991 HH | 1995 07 24.69965 | 20 07 18.49 | -10 41 10.5 | | 894 |
| 1995 AW | 1995 02 01.60116 | 08 38 07.29 | +13 08 44.5 | 15.5 | 894 |
| 1995 AW | 1995 02 01.61354 | 08 38 06.44 | +13 08 42.8 | | 894 |
| 1995 AW | 1995 02 05.65694 | 08 33 42.00 | +13 02 00.7 | | 894 |
| 1995 AW | 1995 02 05.67014 | 08 33 41.19 | +13 02 00.0 | | 894 |
| 1995 BO ₁ | 1995 02 01.60116 | 08 33 27.47 | +13 11 44.7 | 16.5 | 894 |
| 1995 BO ₁ | 1995 02 01.61354 | 08 33 26.62 | +13 11 46.0 | | 894 |
| 1995 BO ₁ | 1995 02 05.65694 | 08 29 07.26 | +13 23 20.9 | | 894 |
| 1995 BO ₁ | 1995 02 05.67014 | 08 29 06.23 | +13 23 23.3 | | 894 |
| 1995 PK | * 1995 08 03.65556 | 21 00 30.46 | -16 54 32.2 | 16.5 | 894 |
| 1995 PK | 1995 08 03.66806 | 21 00 29.77 | -16 54 37.1 | | 894 |
| 1995 PK | 1995 08 04.64028 | 20 59 35.14 | -17 02 17.8 | | 894 |
| 1995 PK | 1995 08 04.65278 | 20 59 34.36 | -17 02 24.1 | | 894 |
| 1995 PL | * 1995 08 03.65556 | 21 06 08.06 | -17 08 06.4 | 16.5 | 894 |
| 1995 PL | 1995 08 03.66806 | 21 06 07.44 | -17 08 14.4 | | 894 |
| 1995 PL | 1995 08 04.64028 | 21 05 25.66 | -17 16 35.6 | | 894 |
| 1995 PL | 1995 08 04.65278 | 21 05 25.04 | -17 16 42.5 | | 894 |
| (588) | 1995 08 04.64028 | 21 03 25.80 | -17 39 33.1 | | 894 |
| (588) | 1995 08 04.65278 | 21 03 25.44 | -17 39 34.3 | | 894 |
| (6475) | 1995 02 01.60116 | 08 28 38.95 | +12 27 36.9 | 17.0 | 894 |
| (6475) | 1995 02 01.61354 | 08 28 38.29 | +12 27 37.6 | | 894 |
| (6475) | 1995 02 05.65694 | 08 25 20.74 | +12 34 18.8 | 16.0 | 894 |
| (6475) | 1995 02 05.67014 | 08 25 19.92 | +12 34 19.5 | | 894 |

897 YGCO Chiyoda Station

T. Kojima, 45 Shimonakamori, Chiyoda, Ohra-Gun, Gunma-Ken 370-07, Japan

0.25-m $f/6.0$ reflector + CCD

GSC

| | | | | | |
|--------|------------------|-------------|-------------|--------|-----|
| (2970) | 1995 07 23.76175 | 00 12 00.22 | +00 57 56.7 | 16.9 V | 897 |
| (2970) | 1995 07 23.76918 | 00 12 00.27 | +00 58 00.2 | | 897 |
| (3104) | 1995 07 23.77541 | 00 33 09.18 | +00 04 50.5 | 16.4 V | 897 |
| (3104) | 1995 07 23.78403 | 00 33 09.45 | +00 04 47.3 | | 897 |

905 Nachi-Katsuura ObservatoryT. Urata, Shiinoki House 203, 28-6, Chuo 3 Chome, Nakano-Ku, Tokyo 164, Japan
Observer Y. Shimizu

Measurer T. Urata

0.30-m $f/3.8$ hyperboloid astrocamera

GSC

| | | | | | |
|---------|--------------------|-------------|-------------|------|-----|
| 1993 AA | 1995 07 24.53623 | 18 58 29.75 | -16 28 43.4 | 17 | 905 |
| 1993 AA | 1995 07 24.54323 | 18 58 29.31 | -16 28 44.3 | | 905 |
| 1993 AA | 1995 07 24.55023 | 18 58 28.89 | -16 28 44.8 | | 905 |
| 1995 MG | 1995 07 06.58924 | 17 49 41.12 | -04 38 07.4 | 16 | 905 |
| 1995 MG | 1995 07 06.60046 | 17 49 40.50 | -04 37 55.3 | | 905 |
| 1995 MG | 1995 07 24.46510 | 17 38 07.92 | -00 47 22.2 | 16 | 905 |
| 1995 MG | 1995 07 24.47211 | 17 38 07.73 | -00 47 18.6 | | 905 |
| 1995 MG | 1995 07 24.47911 | 17 38 07.59 | -00 47 15.0 | | 905 |
| 1995 OR | * 1995 07 24.56311 | 20 31 48.77 | -28 25 49.1 | 16.5 | 905 |

| | | | | |
|----------------------|--------------------|-------------|-------------|----------|
| 1995 OR | 1995 07 24.57813 | 20 31 47.97 | -28 25 55.1 | 905 |
| 1995 OR | 1995 07 26.59525 | 20 30 01.10 | -28 38 14.5 | 16.8 905 |
| 1995 OR | 1995 07 26.60961 | 20 30 00.33 | -28 38 20.7 | 905 |
| 1995 OR | 1995 08 01.60064 | 20 24 37.87 | -29 10 36.9 | 16.8 905 |
| 1995 OR | 1995 08 01.60764 | 20 24 37.50 | -29 10 39.9 | 905 |
| 1995 OS | * 1995 07 24.56311 | 20 33 01.45 | -29 12 04.1 | 16.5 905 |
| 1995 OS | 1995 07 24.57813 | 20 33 00.46 | -29 12 05.0 | 905 |
| 1995 OS | 1995 07 26.59525 | 20 31 03.99 | -29 11 32.6 | 16.5 905 |
| 1995 OS | 1995 07 26.60961 | 20 31 03.14 | -29 11 33.1 | 905 |
| 1995 OS | 1995 08 01.60064 | 20 25 15.26 | -29 07 06.7 | 16.5 905 |
| 1995 OS | 1995 08 01.60764 | 20 25 14.88 | -29 07 06.5 | 905 |
| 1995 OT | * 1995 07 24.58715 | 20 42 15.56 | -27 56 37.1 | 15.5 905 |
| 1995 OT | 1995 07 24.60217 | 20 42 14.70 | -27 56 40.7 | 905 |
| 1995 OT | 1995 07 26.61863 | 20 40 25.63 | -28 03 38.6 | 16 905 |
| 1995 OT | 1995 07 26.63258 | 20 40 24.82 | -28 03 42.0 | 905 |
| 1995 OT | 1995 07 30.54103 | 20 36 49.91 | -28 15 10.2 | 16 905 |
| 1995 OT | 1995 07 30.55503 | 20 36 49.07 | -28 15 11.4 | 905 |
| 1995 OU | * 1995 07 24.58715 | 20 42 54.21 | -28 06 11.2 | 16.8 905 |
| 1995 OU | 1995 07 24.60217 | 20 42 53.32 | -28 06 12.9 | 905 |
| 1995 OU | 1995 07 26.62549 | 20 40 58.43 | -28 08 07.6 | 16.8 905 |
| 1995 OU | 1995 07 26.63258 | 20 40 58.05 | -28 08 08.1 | 905 |
| 1995 OU | 1995 07 30.54103 | 20 37 14.04 | -28 09 57.6 | 16.5 905 |
| 1995 OU | 1995 07 30.55503 | 20 37 13.10 | -28 09 57.6 | 905 |
| 1995 OV | * 1995 07 24.61901 | 20 52 36.72 | -28 03 12.2 | 16 905 |
| 1995 OV | 1995 07 24.62650 | 20 52 36.25 | -28 03 12.0 | 905 |
| 1995 OV | 1995 07 26.65220 | 20 50 39.50 | -28 02 00.2 | 16.5 905 |
| 1995 OV | 1995 07 26.65932 | 20 50 39.05 | -28 02 01.0 | 905 |
| 1995 OV | 1995 07 30.56250 | 20 46 50.59 | -27 58 00.4 | 16 905 |
| 1995 OV | 1995 07 30.57650 | 20 46 49.66 | -27 57 59.5 | 905 |
| 1995 OW ₁ | * 1995 07 24.56311 | 20 30 12.09 | -28 21 51.8 | 16 905 |
| 1995 OW ₁ | 1995 07 24.57813 | 20 30 11.34 | -28 21 57.6 | 905 |
| 1995 OW ₁ | 1995 08 01.60064 | 20 23 20.47 | -29 07 37.7 | 16.5 905 |
| 1995 OW ₁ | 1995 08 01.60764 | 20 23 20.09 | -29 07 39.5 | 905 |
| 1995 OX ₁ | * 1995 07 26.65220 | 20 51 40.64 | -29 01 12.4 | 16.5 905 |
| 1995 OX ₁ | 1995 07 26.65932 | 20 51 40.21 | -29 01 15.6 | 905 |
| 1995 OX ₁ | 1995 07 30.59103 | 20 48 26.55 | -29 28 52.9 | 16.5 905 |
| 1995 OX ₁ | 1995 07 30.59803 | 20 48 26.12 | -29 28 55.8 | 905 |
| 1995 OX ₁ | 1995 08 01.61586 | 20 46 44.05 | -29 41 54.9 | 16 905 |
| 1995 OX ₁ | 1995 08 01.62986 | 20 46 43.42 | -29 42 00.1 | 905 |
| 2213 T-1 | 1995 08 01.61586 | 20 47 25.37 | -29 31 23.4 | 17 905 |
| 2213 T-1 | 1995 08 01.62986 | 20 47 24.68 | -29 31 23.8 | 905 |

950 La Palma

M. J. Irwin, Institute of Astronomy, Madingley Road, Cambridge CB3 0HA,
England [mike@ast.cam.ac.uk]

Observers D. O'Ceallaigh, M. J. Irwin

Measurer M. J. Irwin

2.5-m Isaac Newton telescope + CCD

GSC

| | | | | |
|-----------------------|-----------------|-------------|-------------|-----|
| 1995 FB ₂₁ | 1995 04 01.2326 | 15 46 50.81 | -20 16 08.7 | 950 |
|-----------------------|-----------------|-------------|-------------|-----|

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

| | | | | | |
|----------------------|--------------------|-------------|-------------|--------|-----|
| 1995 JY ₁ | * 1995 05 07.95897 | 13 30 27.67 | -03 34 57.8 | 17.5 V | 966 |
| 1995 JY ₁ | 1995 05 07.99431 | 13 30 26.45 | -03 34 45.1 | 17.7 V | 966 |
| 1995 JY ₁ | 1995 05 08.03948 | 13 30 24.82 | -03 34 27.5 | 17.7 V | 966 |
| 1995 JY ₁ | 1995 05 10.00924 | 13 29 18.58 | -03 22 14.3 | 17.1 V | 966 |
| 1995 JY ₁ | 1995 05 10.02690 | 13 29 17.99 | -03 22 08.2 | 17.5 V | 966 |
| 1995 OY ₁ | * 1995 07 22.99024 | 20 06 55.17 | -03 17 26.2 | 17.9 V | 966 |
| 1995 OY ₁ | 1995 07 23.02918 | 20 06 53.38 | -03 17 30.4 | 17.9 V | 966 |
| 1995 OY ₁ | 1995 07 24.95741 | 20 05 27.09 | -03 22 49.1 | 17.7 V | 966 |
| 1995 OY ₁ | 1995 07 24.97961 | 20 05 26.01 | -03 22 53.0 | 18.0 V | 966 |
| 1995 OY ₁ | 1995 07 25.02991 | 20 05 23.63 | -03 23 01.4 | 18.0 V | 966 |
| 1995 OY ₁ | 1995 07 26.97855 | 20 03 56.47 | -03 29 32.7 | 17.9 V | 966 |
| 1995 OY ₁ | 1995 07 27.00692 | 20 03 55.19 | -03 29 38.9 | 18.0 V | 966 |
| 1995 OY ₁ | 1995 07 27.02763 | 20 03 54.15 | -03 29 43.0 | 17.6 V | 966 |
| 1995 OY ₁ | 1995 07 28.97472 | 20 02 28.14 | -03 37 16.7 | 18.2 V | 966 |
| 1995 OY ₁ | 1995 07 29.03190 | 20 02 25.39 | -03 37 31.2 | 18.5 V | 966 |
| 1995 OY ₁ | 1995 07 30.94885 | 20 01 02.66 | -03 45 59.4 | 18.0 V | 966 |
| 1995 OY ₁ | 1995 07 30.97977 | 20 01 01.19 | -03 46 08.6 | 18.0 V | 966 |
| 1995 OY ₁ | 1995 07 31.02238 | 20 00 59.32 | -03 46 19.5 | 17.5 V | 966 |
| 1995 OY ₁ | 1995 08 02.99916 | 19 58 55.67 | -04 01 22.2 | 18.0 V | 966 |
| 1995 OY ₁ | 1995 08 03.02323 | 19 58 54.57 | -04 01 30.1 | 18.2 V | 966 |
| 1995 OZ ₁ | * 1995 07 24.96811 | 20 15 00.15 | -04 53 09.2 | 17.7 V | 966 |
| 1995 OZ ₁ | 1995 07 25.01907 | 20 14 58.35 | -04 54 03.0 | 17.5 V | 966 |
| 1995 OZ ₁ | 1995 07 26.96992 | 20 13 54.93 | -05 29 18.3 | 17.3 V | 966 |
| 1995 OZ ₁ | 1995 07 26.99088 | 20 13 54.18 | -05 29 42.2 | 17.2 V | 966 |
| 1995 OZ ₁ | 1995 07 27.01337 | 20 13 53.35 | -05 30 07.1 | 17.5 V | 966 |
| 1995 OZ ₁ | 1995 07 28.98826 | 20 12 49.63 | -06 06 48.9 | 17.2 V | 966 |
| 1995 OZ ₁ | 1995 07 29.01744 | 20 12 48.58 | -06 07 20.6 | 16.9 V | 966 |
| 1995 OZ ₁ | 1995 08 03.00475 | 20 10 15.48 | -07 43 19.4 | 17.2 V | 966 |
| 1995 OZ ₁ | 1995 08 03.02867 | 20 10 14.65 | -07 43 46.9 | 17.3 V | 966 |
| 1995 OZ ₁ | 1995 08 05.99024 | 20 08 53.07 | -08 42 07.4 | 17.1 V | 966 |
| 1995 OZ ₁ | 1995 08 06.03054 | 20 08 51.85 | -08 42 54.6 | 17.0 V | 966 |
| 1995 OA ₂ | * 1995 07 25.02391 | 20 14 28.04 | -04 41 20.1 | 17.1 V | 966 |
| 1995 OA ₂ | 1995 07 26.99970 | 20 12 54.03 | -04 46 17.0 | 17.6 V | 966 |
| 1995 OA ₂ | 1995 07 27.02198 | 20 12 53.00 | -04 46 20.0 | 17.7 V | 966 |
| 1995 OA ₂ | 1995 07 28.98122 | 20 11 20.13 | -04 51 44.0 | 17.3 V | 966 |
| 1995 OA ₂ | 1995 07 29.01007 | 20 11 18.76 | -04 51 48.7 | 17.3 V | 966 |
| 1995 OA ₂ | 1995 07 29.03726 | 20 11 17.45 | -04 51 53.7 | 17.3 V | 966 |
| 1995 OA ₂ | 1995 08 02.99345 | 20 07 27.36 | -05 07 29.2 | 17.6 V | 966 |
| 1995 OA ₂ | 1995 08 03.01007 | 20 07 26.53 | -05 07 32.2 | 17.6 V | 966 |
| 1995 OA ₂ | 1995 08 03.03447 | 20 07 25.42 | -05 07 37.2 | 17.3 V | 966 |
| 1995 PN | * 1995 08 05.00603 | 20 59 47.29 | -04 21 45.9 | 16.2 V | 966 |
| 1995 PN | 1995 08 05.02384 | 20 59 46.43 | -04 21 51.4 | 16.2 V | 966 |
| 1995 PN | 1995 08 05.97675 | 20 59 04.28 | -04 26 43.3 | 16.1 V | 966 |
| 1995 PN | 1995 08 06.00993 | 20 59 02.84 | -04 26 53.3 | 16.2 V | 966 |
| (4598) | 1995 08 05.01190 | 21 00 17.60 | -03 38 08.1 | 16.3 V | 966 |
| (4598) | 1995 08 05.02882 | 21 00 16.85 | -03 38 13.1 | 16.3 V | 966 |

ORBITAL ELEMENTS

Orbital elements have been computed by the following contributors:

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 K. Kinoshita, 4-21, Mitakihoncho 2 Chome, Nishi-Ku, Hiroshima, 733 Japan [nbg01011@niftyserve.or.jp]
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 T. Urata, 6-1, Muramatsuhara 1 Chome, Shimizu, Shizuoka-Ken 424, Japan
 G. V. Williams, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138, U.S.A. [gwilliams@cfa.harvard.edu] (W)

C/1993 K1 (Shoemaker-Levy)

Epoch 1994 Feb. 17.0 TT = JDT 2449400.5

| T 1994 Feb. 1.94413 TT | | | Marsden | |
|------------------------|-----------------|--------------------|-------------|-------------|
| <i>q</i> | 4.8492683 | (2000.0) | P | Q |
| <i>z</i> | -0.0000446 | ω 232.44493 | -0.37463712 | +0.80072996 |
| | ± 0.0000065 | Ω 30.32865 | -0.22803323 | +0.40907237 |
| <i>e</i> | 1.0002165 | <i>i</i> 67.76698 | -0.89869231 | -0.43759722 |

From 32 observations 1993 May 24–1995 Aug. 6, mean residual 0''.80.

C/1995 O1 (Hale-Bopp)

Epoch 1997 Mar. 13.0 TT = JDT 2450520.5

| T 1997 Apr. 1.15807 TT | | | Marsden | |
|------------------------|-----------------|--------------------|-------------|-------------|
| <i>q</i> | 0.9139022 | (2000.0) | P | Q |
| <i>z</i> | +0.0054473 | ω 130.60073 | -0.13309854 | -0.17034268 |
| | ± 0.0001016 | Ω 282.47146 | +0.28250115 | +0.93773260 |
| <i>e</i> | 0.9950217 | <i>i</i> 89.42495 | +0.94998836 | -0.30272255 |

From 331 observations 1993 Apr. 27–1995 Aug. 9, mean residual 0''.67.

58P/Jackson-Neujmin

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| T 1995 Oct. 6.60570 TT | | | Nakano | |
|------------------------|------------|--------------------|-------------|-------------|
| <i>q</i> | 1.3811743 | (2000.0) | P | Q |
| <i>n</i> | 0.11962647 | ω 200.34999 | +0.99666347 | -0.02717215 |
| <i>a</i> | 4.0792895 | Ω 160.71836 | +0.04105332 | +0.98188582 |
| <i>e</i> | 0.6614179 | <i>i</i> 13.47831 | -0.07054463 | +0.18751512 |
| <i>P</i> | 8.24 | | | |

From 96 observations 1970–1995, mean residual 0''.60. Nongravitational parameters

$$A_1 = +0.70 \pm 0.03, A_2 = -0.0138 \pm 0.0002.$$

74P/Smirnova-Chernykh

Epoch 1992 Aug. 6.0 TT = JDT 2448840.5

| T 1992 Aug. 5.92469 TT | | | Marsden | |
|------------------------|------------|-------------------|-------------|-------------|
| <i>q</i> | 3.5721350 | (2000.0) | P | Q |
| <i>n</i> | 0.11494651 | ω 88.99524 | -0.96574579 | -0.23373966 |
| <i>a</i> | 4.1892749 | Ω 77.48068 | +0.16731396 | -0.89287040 |
| <i>e</i> | 0.1473143 | <i>i</i> 6.62917 | +0.19834594 | -0.38490027 |
| <i>P</i> | 8.57 | | | |

From 163 observations 1980–1995, mean residual 0''.89.

119P/Parker-Hartley

Epoch 1996 June 6.0 TT = JDT 2450240.5

| T 1996 June 24.80740 TT | | | Marsden | |
|-------------------------|------------|--------------------|-------------|-------------|
| <i>q</i> | 3.0452197 | (2000.0) | P | Q |
| <i>n</i> | 0.11081960 | ω 181.10162 | +0.41753894 | -0.90500638 |
| <i>a</i> | 4.2926452 | Ω 244.22354 | +0.83436807 | +0.41733346 |
| <i>e</i> | 0.2905960 | <i>i</i> 5.18580 | +0.35984881 | +0.08243931 |
| <i>P</i> | 8.89 | | | |

From 28 observations 1986–1995, mean residual 0''.70.

120P/Mueller 1

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| T 1996 Apr. 24.66607 TT | | | Marsden | |
|-------------------------|------------|-------------------|-------------|-------------|
| <i>q</i> | 2.7394822 | (2000.0) | P | Q |
| <i>n</i> | 0.11724650 | ω 29.92075 | +0.82476967 | -0.56533805 |
| <i>a</i> | 4.1343076 | Ω 4.56134 | +0.48372720 | +0.69424420 |
| <i>e</i> | 0.3373782 | <i>i</i> 8.79562 | +0.29285318 | +0.44544122 |
| <i>P</i> | 8.41 | | | |

From 34 observations 1987–1995, mean residual 0''.70.

One-opposition minor planets

| Planet | <i>H</i> | Epoch | <i>M</i> | ω | Ω | <i>i</i> | <i>e</i> | <i>a</i> | Arc | O | N | C |
|-----------------------|----------|--------|----------|----------|----------|----------|----------|----------|-----|---|---|---|
| 1989 UX ₇ | 13.5 | 891001 | 352.48 | 156.22 | 229.11 | 13.85 | 0.2892 | 2.6880 | 36 | 7 | W | |
| 1991 RA | 14.5 | 910921 | 51.27 | 310.23 | 356.92 | 21.13 | 0.0413 | 1.8535 | 38 | 0 | W | |
| 1991 RN ₅ | 13.0 | 910921 | 9.61 | 191.60 | 162.71 | 5.73 | 0.0668 | 2.7293 | 27 | 0 | W | |
| 1991 RO ₅ | 15.5 | 910921 | 26.20 | 292.16 | 32.85 | 6.34 | 0.1746 | 2.3145 | 19 | 0 | W | |
| 1991 RP ₅ | 12.5 | 910921 | 78.16 | 94.69 | 177.16 | 22.10 | 0.1318 | 3.1970 | 24 | 0 | W | |
| 1991 RQ ₅ | 13.8 | 910921 | 95.69 | 231.82 | 24.91 | 6.48 | 0.1012 | 2.4584 | 25 | 0 | E | |
| 1991 RZ ₅ | 14.5 | 910921 | 337.95 | 12.12 | 24.14 | 13.01 | 0.1988 | 2.6164 | 26 | 0 | W | |
| 1991 RA ₆ | 14.0 | 910921 | 51.41 | 235.99 | 54.70 | 5.53 | 0.2012 | 2.3510 | 32 | 0 | W | |
| 1991 RC ₆ | 14.0 | 910901 | 357.95 | 340.55 | 20.80 | 13.76 | 0.1945 | 2.5556 | 4 | 0 | W | |
| 1991 RF ₆ | 14.5 | 910921 | 0.39 | 250.10 | 112.55 | 2.96 | 0.2096 | 2.2451 | 25 | 0 | W | |
| 1991 RH ₆ | 14.9 | 910921 | 7.16 | 325.02 | 28.49 | 6.89 | 0.1566 | 2.3769 | 25 | 0 | E | |
| 1991 RV ₇ | 15.0 | 910921 | 5.09 | 204.55 | 153.04 | 6.15 | 0.1812 | 2.2004 | 4 | 8 | E | |
| 1991 RH ₉ | 14.8 | 910921 | 335.66 | 13.37 | 19.93 | 5.96 | 0.0733 | 2.1652 | 5 | 8 | E | |
| 1991 RZ ₉ | 12.5 | 910921 | 28.18 | 127.36 | 192.78 | 12.13 | 0.2155 | 3.2490 | 5 | 6 | E | |
| 1991 RV ₁₆ | 14.8 | 910921 | 327.85 | 19.15 | 21.73 | 7.16 | 0.1157 | 2.2386 | 18 | 8 | E | |
| 1991 RZ ₁₆ | 15.0 | 910921 | 320.16 | 355.36 | 64.07 | 2.53 | 0.2051 | 2.2446 | 45 | 0 | D | W |
| 1991 RA ₁₇ | 14.5 | 910921 | 15.13 | 303.34 | 35.70 | 7.22 | 0.1612 | 2.2999 | 26 | 0 | W | |
| 1991 RE ₁₇ | 13.5 | 910901 | 2.50 | 344.29 | 8.46 | 32.54 | 0.0882 | 2.7617 | 5 | 6 | W | |
| 1991 RF ₁₇ | 15.0 | 910921 | 358.63 | 327.02 | 36.40 | 7.19 | 0.1342 | 2.3879 | 32 | 0 | W | |
| 1991 RG ₁₇ | 14.2 | 910921 | 0.73 | 233.25 | 127.87 | 3.41 | 0.1178 | 2.3361 | 25 | 0 | E | |
| 1991 RR ₄₀ | 13.5 | 910921 | 329.72 | 261.14 | 142.84 | 0.48 | 0.1677 | 3.0928 | 51 | 0 | W | |
| 1991 RS ₄₀ | 14.0 | 910921 | 4.14 | 325.27 | 31.27 | 2.10 | 0.0864 | 2.7779 | 26 | 0 | W | |
| 1991 RB ₄₁ | 14.5 | 910921 | 28.51 | 132.24 | 174.79 | 8.99 | 0.3279 | 2.7061 | 28 | 0 | D | W |
| 1991 RH ₄₁ | 14.0 | 910921 | 316.17 | 279.17 | 133.83 | 2.75 | 0.0787 | 2.4029 | 27 | 0 | W | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|-------------|---------------|---------------|---------------|---------------|--------------|---------------|----------------|-----------|----------|----------|---|--|---|---------------|--------------|---------------|---------------|--------------|---------------|---------------|----------|----------|----------|---|---|
| 1991 RJ ₄₁ | 15.0 | 910921 | 345.13 | 8.13 | 12.95 | 7.66 | 0.1274 | 2.2819 | 26 | 8 | D | W | 1995 OH | 15.0 | 950722 | 343.43 | 48.38 | 248.60 | 4.44 | 0.2142 | 2.3221 | 7 | 0 | W | | |
| 1991 SR ₃ | 12.5 | 910921 | 295.47 | 59.74 | 20.11 | 21.79 | 0.1149 | 3.1492 | 32 | 0 | | W | 1995 OJ | 15.5 | 950722 | 87.39 | 71.46 | 125.55 | 3.12 | 0.1764 | 2.3462 | 15 | 0 | M | | |
| 1991 SJ ₅ | 13.9 | 910921 | 326.31 | 277.78 | 136.15 | 2.64 | 0.2095 | 2.5854 | 4 | 6 | | E | 1995 OL | 17.0 | 950722 | 19.44 | 334.60 | 304.66 | 11.67 | 0.1219 | 2.5542 | 13 | 0 | M | | |
| 1991 TK ₈ | 14.5 | 910921 | 324.66 | 257.43 | 151.75 | 6.07 | 0.1301 | 2.3408 | 31 | 0 | | W | 1995 ON | 13.5 | 950722 | 45.31 | 110.90 | 130.03 | 6.98 | 0.1317 | 2.2931 | 8 | 0 | W | | |
| 1991 TE ₁₄ | 12.8 | 910921 | 359.03 | 350.66 | 11.45 | 28.54 | 0.1710 | 3.1991 | 26 | 0 | | E | 1995 OO | 17.5 | 950722 | 51.68 | 211.91 | 349.47 | 23.20 | 0.7756 | 2.1520 | 2 | 8 | M | | |
| 1991 TF ₁₄ | 14.0 | 910921 | 301.61 | 48.21 | 25.65 | 5.55 | 0.1160 | 2.5523 | 25 | 0 | | W | 1995 OQ | | 950722 | 341.52 | 140.75 | 170.22 | 7.01 | 0.1400 | 2.6430 | 7 | 0 | W | | |
| 1991 TG ₁₄ | 13.3 | 910921 | 352.98 | 211.74 | 163.79 | 11.33 | 0.2234 | 3.1307 | 25 | 0 | | E | 1995 OR | 14.6 | 950722 | 340.59 | 268.01 | 63.82 | 4.85 | 0.2221 | 2.2938 | 8 | 6 | N | | |
| 1991 TH ₁₄ | 15.0 | 910921 | 357.07 | 245.72 | 122.35 | 5.15 | 0.2790 | 2.5860 | 26 | 0 | | W | 1995 OX | 14.5 | 950722 | 56.59 | 299.24 | 284.87 | 20.36 | 0.3264 | 3.1335 | 5 | 0 | N | | |
| 1991 TJ ₁₄ | 13.3 | 910921 | 40.47 | 200.17 | 116.12 | 3.89 | 0.0593 | 2.7158 | 23 | 8 | | E | 1995 OY | 16.5 | 950722 | 142.17 | 215.71 | 303.14 | 6.84 | 0.0511 | 2.2793 | 8 | 0 | E | W | |
| 1991 TL ₁₄ | 14.5 | 910921 | 69.85 | 248.52 | 29.09 | 6.39 | 0.1504 | 2.2468 | 25 | 0 | | W | 1995 OB ₁ | 15.5 | 950722 | 1.85 | 30.30 | 285.20 | 6.35 | 0.1982 | 2.6517 | 7 | 0 | W | | |
| 1991 TM ₁₄ | 14.0 | 910921 | 192.42 | 58.08 | 117.44 | 3.58 | 0.0753 | 2.4538 | 6 | 6 | | W | 1995 OC ₁ | 17.0 | 950722 | 6.61 | 107.90 | 195.76 | 10.47 | 0.1751 | 2.6253 | 6 | 0 | M | | |
| 1991 TN ₁₄ | 14.5 | 910921 | 351.46 | 272.86 | 104.71 | 2.89 | 0.1887 | 2.6150 | 22 | 8 | | W | 1995 OD ₁ | 14.5 | 950722 | 150.40 | 22.12 | 154.66 | 12.19 | 0.0861 | 3.0280 | 6 | 0 | M | | |
| 1993 PE ₈ | 14.0 | 930801 | 11.86 | 41.28 | 269.96 | 23.97 | 0.2923 | 2.3853 | 5 | 5 | | E | W | 1995 OE ₁ | 15.0 | 950722 | 286.42 | 256.30 | 153.86 | 2.50 | 0.0637 | 2.8649 | 6 | 0 | E | M |
| 1993 SQ ₁₄ | 15.0 | 930821 | 325.51 | 157.04 | 231.30 | 20.63 | 0.1200 | 1.9299 | 38 | 6 | | W | 1995 OF ₁ | 16.0 | 950722 | 123.13 | 214.52 | 342.19 | 1.77 | 0.0729 | 2.2837 | 5 | 0 | E | M | |
| 1993 XK ₃ | 13.5 | 931219 | 52.59 | 328.55 | 67.73 | 24.66 | 0.0866 | 1.9366 | 32 | 6 | | W | 1995 OX ₁ | 14.1 | 950722 | 350.64 | 247.62 | 70.54 | 6.07 | 0.2197 | 2.3500 | 6 | 6 | N | | |
| 1994 EW ₇ | 13.5 | 940329 | 14.09 | 29.32 | 134.27 | 24.92 | 0.2338 | 2.4424 | 66 | 0 | | W | 1995 OY ₁ | 16.5 | 950722 | 348.75 | 116.61 | 202.99 | 7.40 | 0.2418 | 2.3537 | 11 | 0 | W | | |
| 1994 JE ₉ | 13.3 | 940528 | 330.63 | 150.55 | 118.71 | 6.76 | 0.1152 | 2.4574 | 23 | 6 | | E | 1995 OZ ₁ | 16.0 | 950722 | 4.65 | 144.50 | 147.63 | 14.32 | 0.2845 | 2.4097 | 12 | 0 | W | | |
| 1994 JF ₉ | 15.3 | 940528 | 324.80 | 134.94 | 150.64 | 4.26 | 0.1830 | 2.1328 | 23 | 5 | | E | 1995 PC | 17.0 | 950722 | 5.54 | 250.33 | 46.81 | 0.20 | 0.2388 | 2.2044 | 5 | 0 | W | | |
| 1994 JG ₉ | 14.2 | 940528 | 3.51 | 68.66 | 161.52 | 8.18 | 0.2313 | 2.6925 | 23 | 6 | | E | 1995 PG | 15.0 | 950722 | 216.94 | 145.19 | 332.68 | 14.65 | 0.0493 | 2.6288 | 2 | 8 | E | W | |
| 1994 KA | 12.5 | 940508 | 280.85 | 251.91 | 69.21 | 23.27 | 0.2692 | 2.3494 | 19 | 6 | | W | 1991 RZ ₁₆ = 1991 UD ₅ (G. V. Williams) | | | | | | | | | | | | | |
| 1994 LY | 15.0 | 940528 | 317.64 | 202.59 | 141.27 | 17.77 | 0.4430 | 1.8941 | 8 | 6 | W | 1991 RB ₄₁ = 1991 SG ₅ (G. V. Williams, <i>MPC</i> 21905) | | | | | | | | | | | | | | |
| 1995 FQ | 13.5 | 950413 | 264.92 | 45.07 | 267.37 | 13.24 | 0.1159 | 2.7319 | 38 | 0 | | W | 1991 RJ ₄₁ = 1991 TM ₁₃ (S. Nakano, <i>MPC</i> 22572) | | | | | | | | | | | | | |
| 1995 JE | | 950503 | 145.15 | 99.11 | 339.15 | 5.97 | 0.0689 | 2.4056 | 5 | 0 | | W | Epoch 1995 Oct. 10.0 TT = JDJ 2450000.5 | | | | | | | | | | | | | |
| 1995 KC | 15.0 | 950612 | 15.15 | 25.17 | 193.65 | 10.21 | 0.1748 | 2.4277 | 59 | 0 | | M | Bowell | | | | | | | | | | | | | |
| 1995 KH | 16.5 | 950612 | 70.34 | 13.48 | 147.54 | 1.93 | 0.0922 | 2.2138 | 52 | 0 | | W | (353) Ruperto-Carla | | | | | | | | | | | | | |
| 1995 KJ | 17.0 | 950612 | 346.82 | 95.83 | 167.24 | 1.98 | 0.2034 | 2.5238 | 51 | 0 | | W | Obs. 42 M 289.13116 ω 321.18955 | | | | | | | | | | | | | |
| 1995 KJ₁ | 6.5 | 950612 | 0.00 | 180.64 | 47.79 | 2.74 | 0.0000 | 43.4680 | 26 | 7 | E | M | <i>H</i> 11.0 <i>G</i> 0.15 <i>U</i> 1 Opp. 15 <i>n</i> 0.21820633 Ω 102.68239 | | | | | | | | | | | | | |
| 1995 KM ₁ | 16.5 | 950612 | 330.52 | 182.30 | 117.87 | 4.00 | 0.2216 | 2.3044 | 62 | 0 | | W | rms res. 0''.79 (M-v) 1893-1993 <i>e</i> 0.3303221 <i>i</i> 5.70940 | | | | | | | | | | | | | |
| 1995 KN ₁ | 15.0 | 950612 | 288.56 | 244.26 | 83.20 | 17.19 | 0.0395 | 3.0918 | 40 | 0 | | W | Epoch 1995 Oct. 10.0 TT = JDJ 2450000.5 | | | | | | | | | | | | | |
| 1995 KO ₁ | 15.0 | 950523 | 342.93 | 151.48 | 119.96 | 24.55 | 0.1930 | 2.3017 | 28 | 0 | | W | (908) Buda | | | | | | | | | | | | | |
| 1995 LB | 16.5 | 950612 | 302.77 | 80.13 | 238.64 | 20.11 | 0.0826 | 1.9431 | 50 | 0 | | W | Obs. 57 M 235.52196 ω 24.37234 | | | | | | | | | | | | | |
| 1995 LC | 16.5 | 950612 | 29.26 | 146.12 | 76.36 | 24.35 | 0.0277 | 1.9170 | 50 | 0 | | W | <i>H</i> 10.69 <i>G</i> 0.15 <i>U</i> 1 Opp. 17 <i>n</i> 0.25354388 Ω 85.77056 | | | | | | | | | | | | | |
| 1995 LD | 15.5 | 950702 | 22.38 | 17.51 | 216.79 | 6.01 | 0.0711 | 2.3568 | 58 | 0 | | W | rms res. 0''.93 (M-v) 1918-1994 <i>e</i> 0.1475834 <i>i</i> 13.39055 | | | | | | | | | | | | | |
| 1995 LH | 14.5 | 950702 | 350.18 | 265.94 | 49.68 | 11.45 | 0.4078 | 2.6929 | 61 | 0 | W | Epoch 1995 Oct. 10.0 TT = JDJ 2450000.5 | | | | | | | | | | | | | | |
| 1995 LK | 14.0 | 950612 | 342.48 | 20.02 | 301.76 | 25.98 | 0.2181 | 2.3175 | 45 | 8 | | W | (1434) Margot | | | | | | | | | | | | | |
| 1995 LS | 15.5 | 950612 | 50.59 | 80.54 | 102.48 | 13.05 | 0.0873 | 2.9931 | 31 | 0 | | W | Obs. 91 M 31.96451 ω 139.05633 | | | | | | | | | | | | | |
| 1995 MA | | 950702 | 199.04 | 218.55 | 202.63 | 15.79 | 0.0817 | 3.1937 | 43 | 0 | | W | <i>H</i> 10.43 <i>G</i> 0.15 <i>U</i> 1 Opp. 15 <i>n</i> 0.18814469 Ω 152.89601 | | | | | | | | | | | | | |
| 1995 MB | 14.0 | 950702 | 355.74 | 10.73 | 280.09 | 26.30 | 0.2216 | 2.4151 | 46 | 0 | | W | rms res. 0''.87 (M-v) 1906-1993 <i>e</i> 0.0654433 <i>i</i> 10.80878 | | | | | | | | | | | | | |
| 1995 MH | 14.5 | 950702 | 318.52 | 249.30 | 66.90 | 2.82 | 0.2086 | 3.1676 | 9 | 0 | | E | W | Epoch 1995 Oct. 10.0 TT = JDJ 2450000.5 | | | | | | | | | | | | |
| 1995 MA₁ | 17.5 | 950702 | 327.53 | 265.81 | 87.92 | 25.84 | 0.5862 | 2.6136 | 21 | 0 | M | (1582) Martir | | | | | | | | | | | | | | |
| 1995 MB ₁ | 15.0 | 950612 | 119.02 | 355.41 | 114.98 | 10.46 | 0.1188 | 2.7502 | 7 | 9 | | W | Obs. 54 M 58.19917 ω 131.65665 | | | | | | | | | | | | | |
| 1995 ME ₁ | 14.0 | 950612 | 230.21 | 203.92 | 182.14 | 9.73 | 0.1978 | 2.7990 | 12 | 9 | | W | <i>H</i> 10.9 <i>G</i> 0.15 <i>U</i> 1 Opp. 13 <i>n</i> 0.17600254 Ω 94.16502 | | | | | | | | | | | | | |
| 1995 MZ ₁ | 15.0 | 950612 | 261.83 | 250.38 | 122.12 | 10.37 | 0.2906 | 2.7087 | 12 | 9 | | W | rms res. 0''.87 (M-v) 1950-1993 <i>e</i> 0.1302491 <i>i</i> 11.61145 | | | | | | | | | | | | | |
| 1995 MC ₂ | 14.5 | 950612 | 278.45 | 171.83 | 225.82 | 6.45 | 0.1196 | 3.0182 | 11 | 9 | | W | Epoch 1995 Oct. 10.0 TT = JDJ 2450000.5 | | | | | | | | | | | | | |
| 1995 ME ₂ | 17.0 | 950612 | 303.28 | 141.23 | 231.91 | 5.54 | 0.1632 | 2.6015 | 11 | 8 | | W | (1620) Geographos | | | | | | | | | | | | | |
| 1995 ML ₂ | 16.5 | 950612 | 34.48 | 30.69 | 229.46 | 5.62 | 0.0561 | 2.6004 | 10 | 9 | | W | Obs. 834 M 333.35597 ω 276.74848 | | | | | | | | | | | | | |
| 1995 MW ₂ | 15.0 | 950612 | 274.25 | 228.94 | 112.85 | 10.48 | 0.1283 | 3.1922 | 10 | 8 | | W | <i>H</i> 15.60 <i>G</i> 0.15 <i>U</i> 0 Opp. 19 <i>n</i> 0.70906611 Ω 337.36210 | | | | | | | | | | | | | |
| 1995 MC ₃ | 15.5 | 950612 | 284.75 | 245.15 | 101.02 | 14.45 | 0.2186 | 2.6058 | 7 | 9 | | W | rms res. 0''.76 (M-v) 1951-1994 <i>e</i> 0.3355295 <i>i</i> 13.34063 | | | | | | | | | | | | | |
| 1995 MJ ₃ | 16.0 | 950612 | 169.35 | 277.25 | 155.95 | 7.37 | 0.0426 | 2.7233 | 10 | 8 | | W | Epoch 1995 Oct. 10.0 TT = JDJ 2450000.5 | | | | | | | | | | | | | |
| 1995 NB | 14.0 | 950702 | 329.84 | 257.03 | 107.41 | 5.36 | 0.3582 | 2.9089 | 26 | 0 | | W | Williams | | | | | | | | | | | | | |
| 1995 NE | 16.5 | 950702 | 10.85 | 56.04 | 182.90 | 5.41 | 0.2343 | 2.3091 | 5 | 9 | | W | (2198) Ceplecha | | | | | | | | | | | | | |
| 1995 OA | 14.5 | 950722 | 263.98 | 151.03 | 275.00 | 6.15 | 0.0883 | 2.3249 | 18 | 0 | | W | Obs. 21 M 271.82157 ω 180.79784 | | | | | | | | | | | | | |
| 1995 OB | 16.5 | 950722 | 2.85 | 32.79 | 261.21 | 4.88 | 0.1792 | 2.2905 | 7 | 6 | | W | <i>H</i> 14.3 <i>G</i> 0.15 <i>U</i> 2 Opp. 6 <i>n</i> 0.23604781 Ω 223.45686 | | | | | | | | | | | | | |
| 1995 OC | 16.0 | 950722 | 336.55 | 167.94 | 171.61 | 2.88 | 0.2776 | 2.2153 | 13 | 0 | | W | rms res. 0''.83 (M-v) 1975-1995 <i>e</i> 0.1977367 <i>i</i> 3.63825 | | | | | | | | | | | | | |
| 1995 OD | 15.0 | 950722 | 10.79 | 333.72 | 323.42 | 1.27 | 0.0583 | 2.2924 | 16 | 0 | | W | Epoch 1995 Oct. 10.0 TT = JDJ 2450000.5 | | | | | | | | | | | | | |
| 1995 OE | 13.5 | 950722 | 186.10 | 218.47 | 255.95 | 8.93 | 0.0592 | 3.0589 | 11 | 0 | | W | (2241) Alcaous | | | | | | | | | | | | | |
| 1995 OF | 16.0 | 950702 | 333.65 | 68.82 | 264.38 | 6.10 | 0.1336 | 2.3028 | 32 | 0 | | W | Obs. 25 M 353.12475 ω 291.39265 | | | | | | | | | | | | | |
| 1995 OG | 14.5 | 950722 | 319.76 | 47.70 | 312.81 | 9.95 | 0.1102 | 2.9708 | 13 | 0 | | W | <i>H</i> 8.64 <i>G</i> 0.15 <i>U</i> 1 Opp. 9 <i>n</i> 0.08246770 Ω 267.98455 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | rms res. 0''.80 (M-v) 1950-1994 <i>e</i> 0.0672117 <i>i</i> 16.59192 | | | | | | | | | | | | | |

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5
(2325) Chernykh Obs. 81 *M* 275.96859 ω 265.97522
H 11.9 *G* 0.15 *U* 1 Opp. 8 *n* 0.17627352 Ω 140.00696
 rms res. 0".90 (M-v) 1955-1994 *e* 0.1629503 *i* 1.91146

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5
(2364) Seillier Obs. 56 *M* 26.50319 ω 171.77432
H 10.7 *G* 0.15 *U* 1 Opp. 9 *n* 0.17373974 Ω 43.09912
 rms res. 0".78 (M-v) 1951-1995 *e* 0.1349275 *i* 10.72057

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5
(2476) Andersen Obs. 35 *M* 135.06250 ω 268.14377
H 10.9 *G* 0.15 *U* 1 Opp. 6 *n* 0.18757046 Ω 82.63246
 rms res. 0".86 (M-v) 1950-1992 *e* 0.1193685 *i* 10.82471

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5
(2642) Vésale Obs. 40 *M* 356.97890 ω 164.88933
H 12.7 *G* 0.15 *U* 2 Opp. 8 *n* 0.26080719 Ω 201.31733
 rms res. 0".94 (M-v) 1961-1995 *e* 0.1838652 *i* 14.46713

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5
(2643) Bernhard Obs. 28 *M* 335.61659 ω 65.89830
H 15.0 *G* 0.15 *U* 2 Opp. 5 *n* 0.26885091 Ω 348.68882
 rms res. 0".99 (M-v) 1973-1995 *e* 0.2742035 *i* 22.95593

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5
(2752) Wu Chien-Shiung Obs. 55 *M* 249.98515 ω 193.74736
H 11.4 *G* 0.15 *U* 1 Opp. 13 *n* 0.18691403 Ω 186.80320
 rms res. 1".00 (M-v) 1933-1995 *e* 0.1060687 *i* 10.09800

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5
(2768) Gorky Obs. 34 *M* 305.39196 ω 334.70514
H 12.3 *G* 0.15 Opp. 9 *n* 0.29514294 Ω 53.46599
 rms res. 1".12 (M-c) 1934-1991 *e* 0.1706576 *i* 6.27900

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5
(2771) Polzunov Obs. 37 *M* 351.67820 ω 114.96842
H 12.0 *G* 0.15 Opp. 6 *n* 0.22492210 Ω 208.00476
 rms res. 1".12 (M-c) 1943-1990 *e* 0.2260345 *i* 13.93037

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5
(2784) Domeyko Obs. 25 *M* 321.27894 ω 180.39574
H 13.4 *G* 0.15 Opp. 8 *n* 0.29363189 Ω 108.27227
 rms res. 1".15 (M-c) 1959-1995 *e* 0.1737403 *i* 6.69254

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5
(2789) Foshan Obs. 39 *M* 280.56679 ω 140.59228
H 13.6 *G* 0.15 Opp. 7 *n* 0.29636910 Ω 242.99348
 rms res. 1".07 (M-c) 1906-1994 *e* 0.1634325 *i* 3.81173

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5
(2816) Pien Obs. 23 *M* 323.96946 ω 263.57845
H 11.7 *G* 0.15 Opp. 8 *n* 0.21877973 Ω 94.07450
 rms res. 1".30 (M-c) 1955-1987 *e* 0.1862052 *i* 7.72293

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5
(2835) Ryoma Obs. 70 *M* 355.41495 ω 348.33898
H 12.1 *G* 0.15 Opp. 12 *n* 0.21666628 Ω 5.69278
 rms res. 1".24 (M-c) 1932-1989 *e* 0.0786404 *i* 1.33875

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5
(2840) Kallavesi Obs. 26 *M* 252.81844 ω 262.98930
H 12.8 *G* 0.15 Opp. 8 *n* 0.26539257 Ω 59.24216
 rms res. 1".29 (M-c) 1941-1995 *e* 0.0930432 *i* 8.52479

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5
(2844) Hess Obs. 43 *M* 90.22159 ω 150.84228
H 13.4 *G* 0.15 Opp. 11 *n* 0.29773092 Ω 127.88375
 rms res. 1".13 (M-c) 1968-1994 *e* 0.1705304 *i* 2.95171

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5
(2849) Shklovskij Obs. 31 *M* 118.58130 ω 310.86346
H 12.7 *G* 0.15 Opp. 10 *n* 0.23973974 Ω 44.30196
 rms res. 1".17 (M-c) 1968-1994 *e* 0.0102319 *i* 6.79925

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5
(2867) Šteins Obs. 15 *M* 118.60842 ω 250.31610
H 12.9 *G* 0.15 Opp. 6 *n* 0.27122232 Ω 55.69257
 rms res. 1".24 (M-c) 1951-1991 *e* 0.1462362 *i* 9.94196

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5
(2871) Schober Obs. 25 *M* 38.44680 ω 335.11664
H 12.9 *G* 0.15 Opp. 6 *n* 0.29042142 Ω 28.55691
 rms res. 1".18 (M-c) 1954-1991 *e* 0.1389062 *i* 5.77434

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5
(2888) Hodgson Obs. 63 *M* 266.39961 ω 78.86813
H 13.1 *G* 0.15 Opp. 12 *n* 0.29063486 Ω 351.61135
 rms res. 1".02 (M-c) 1931-1987 *e* 0.1317677 *i* 7.62927

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5
(2943) Heinrich Obs. 22 *M* 56.24232 ω 43.97364
H 12.8 *G* 0.15 Opp. 7 *n* 0.25729688 Ω 314.16478
 rms res. 0".63 (M-c) 1933-1989 *e* 0.1537007 *i* 12.95685

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5
(2946) Muchachos Obs. 45 *M* 350.64897 ω 102.99282
H 13.0 *G* 0.15 Opp. 11 *n* 0.25643456 Ω 322.32216
 rms res. 0".98 (M-c) 1941-1993 *e* 0.1754087 *i* 0.58658

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5
(2970) Pestalozzi Obs. 25 *M* 317.08391 ω 76.45284
H 12.5 *G* 0.15 *U* 1 Opp. 5 *n* 0.22997098 Ω 342.99637
 rms res. 0".84 (M-v) 1950-1995 *e* 0.1528879 *i* 12.09043

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5
(2995) Taratuta Obs. 24 *M* 245.36318 ω 330.27394
H 12.4 *G* 0.15 Opp. 5 *n* 0.23314461 Ω 170.05503
 rms res. 1".21 (M-c) 1955-1990 *e* 0.1374246 *i* 14.85604

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3011) Chongqing Obs. 34 *M* 333.26886 ω 210.46874
H 11.9 *G* 0.15 Opp. 9 *n* 0.17161846 Ω 207.45724
 rms res. 1".10 (M-c) 1955-1994 *e* 0.1965809 *i* 6.20343

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Williams
(3023) Heard Obs. 20 *M* 148.33434 ω 343.75832
H 13.6 *G* 0.15 *U* 2 Opp. 4 *n* 0.29880994 Ω 230.90979
 rms res. 1".01 (M-v) 1981-1995 *e* 0.0849020 *i* 3.98844

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Bowell
(3032) Evans Obs. 97 *M* 285.17566 ω 273.92659
H 11.4 *G* 0.15 *U* 1 Opp. 13 *n* 0.20003205 Ω 88.64710
 rms res. 0".83 (M-v) 1952-1994 *e* 0.0802590 *i* 3.22723

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3034) Climenhaga Obs. 37 *M* 32.18124 ω 313.25933
H 12.3 *G* 0.15 Opp. 11 *n* 0.27820644 Ω 10.85055
 rms res. 1".28 (M-c) 1917-1990 *e* 0.2105164 *i* 4.92428

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3036) Krat Obs. 37 *M* 59.16544 ω 314.24355
H 9.8 *G* 0.15 Opp. 8 *n* 0.17088847 Ω 24.37973
 rms res. 0".87 (M-c) 1931-1992 *e* 0.0914595 *i* 22.84529

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3054) Strugatskia Obs. 74 *M* 129.41544 ω 189.38458
H 11.3 *G* 0.15 Opp. 9 *n* 0.18056102 Ω 146.37199
 rms res. 0".95 (M-c) 1959-1991 *e* 0.2063402 *i* 2.07601

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3064) Zimmer Obs. 30 *M* 358.95700 ω 4.75253
H 13.0 *G* 0.15 Opp. 8 *n* 0.25612331 Ω 157.38938
 rms res. 1".26 (M-c) 1965-1994 *e* 0.1163599 *i* 2.93289

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Nakano
(3079) Schiller Obs. 31 *M* 257.19148 ω 300.69561
H 13.3 *G* 0.15 *U* 2 Opp. 7 *n* 0.22402518 Ω 183.44446
 rms res. 0".84 (M-v) 1931-1995 *e* 0.2168214 *i* 3.91864

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3092) Herodotus Obs. 25 *M* 86.13945 ω 359.52863
H 11.0 *G* 0.15 Opp. 5 *n* 0.14766684 Ω 9.35463
 rms res. 1".19 (M-c) 1960-1991 *e* 0.1090704 *i* 10.87268

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3093) Bergholz Obs. 25 *M* 158.51547 ω 60.94063
H 11.5 *G* 0.15 Opp. 7 *n* 0.22516666 Ω 278.88277
 rms res. 0".50 (M-c) 1971-1993 *e* 0.2074286 *i* 12.75961

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3096) Bezruč Obs. 41 *M* 90.95641 ω 166.12986
H 12.7 *G* 0.15 Opp. 8 *n* 0.22605418 Ω 168.88610
 rms res. 1".28 (M-c) 1933-1990 *e* 0.1931982 *i* 12.14660

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Nakano
(3104) Dürer Obs. 24 *M* 324.30049 ω 245.52525
H 11.1 *G* 0.15 *U* 1 Opp. 5 *n* 0.19315994 Ω 162.42618
 rms res. 0".65 (M-v) 1955-1995 *e* 0.0883316 *i* 24.15814

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3106) Morabito Obs. 30 *M* 287.16810 ω 290.50401
H 10.8 *G* 0.15 Opp. 11 *n* 0.17586358 Ω 121.73460
 rms res. 1".07 (M-c) 1949-1994 *e* 0.2282271 *i* 14.84953

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3108) Lyubov Obs. 23 *M* 303.76343 ω 226.37956
H 13.9 *G* 0.15 Opp. 7 *n* 0.29615348 Ω 162.16730
 rms res. 1".12 (M-c) 1972-1994 *e* 0.1674173 *i* 3.28192

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3115) Baily Obs. 35 *M* 56.78740 ω 171.87723
H 11.3 *G* 0.15 Opp. 7 *n* 0.23800400 Ω 259.10234
 rms res. 0".73 (M-c) 1961-1994 *e* 0.1432644 *i* 10.17049

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3118) Claytonsmith Obs. 32 *M* 74.94768 ω 264.01070
H 10.9 *G* 0.15 Opp. 12 *n* 0.18642975 Ω 305.14728
 rms res. 0".91 (M-c) 1938-1994 *e* 0.0636828 *i* 13.27364

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3120) Dangrania Obs. 20 *M* 8.22307 ω 136.19895
H 11.6 *G* 0.15 Opp. 7 *n* 0.18701448 Ω 220.95731
 rms res. 1".26 (M-c) 1969-1990 *e* 0.0926175 *i* 12.95221

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3133) Sendai Obs. 23 *M* 116.51198 ω 358.06107
H 13.2 *G* 0.15 Opp. 8 *n* 0.30612418 Ω 37.34750
 rms res. 1".17 (M-c) 1907-1994 *e* 0.1609283 *i* 6.57029

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3139) Shantou Obs. 26 *M* 285.97646 ω 94.63458
H 9.9 *G* 0.15 Opp. 7 *n* 0.17230665 Ω 253.13636
 rms res. 1".15 (M-c) 1963-1991 *e* 0.0310157 *i* 20.51361

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3146) Dato Obs. 21 *M* 45.71761 ω 83.22189
H 13.2 *G* 0.15 Opp. 6 *n* 0.25947010 Ω 183.62546
 rms res. 1".26 (M-c) 1965-1988 *e* 0.1969520 *i* 8.37996

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3151) Talbot Obs. 20 *M* 224.81069 ω 37.17103
H 12.1 *G* 0.15 Opp. 5 *n* 0.21428506 Ω 212.68327
 rms res. 1".01 (M-c) 1951-1989 *e* 0.1349853 *i* 19.48828

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3153) Lincoln Obs. 31 *M* 313.47470 ω 347.42140
H 13.3 *G* 0.15 Opp. 6 *n* 0.26137499 Ω 40.78925
 rms res. 1".19 (M-c) 1969-1988 *e* 0.1284060 *i* 7.70515

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3156) Ellington Obs. 21 *M* 333.74822 ω 118.95893
H 11.3 *G* 0.15 Opp. 5 *n* 0.20427138 Ω 7.36807
rms res. 1''.29 (M-c) 1953-1989 *e* 0.1976572 *i* 15.83062

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3163) 1981 QM Obs. 21 *M* 296.29555 ω 121.46383
H 13.6 *G* 0.15 Opp. 6 *n* 0.26584755 Ω 194.36047
rms res. 0''.85 (M-c) 1944-1993 *e* 0.3329717 *i* 3.08443

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3174) Alcock Obs. 41 *M* 320.31779 ω 7.14320
H 11.8 *G* 0.15 Opp. 8 *n* 0.17642537 Ω 72.35315
rms res. 1''.25 (M-c) 1973-1989 *e* 0.1715275 *i* 2.37522

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3185) Clintford Obs. 40 *M* 229.02490 ω 281.69740
H 14.0 *G* 0.15 Opp. 8 *n* 0.27094540 Ω 71.38917
rms res. 1''.21 (M-c) 1931-1992 *e* 0.1943946 *i* 3.96290

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3186) Manuilova Obs. 21 *M* 359.12006 ω 205.38365
H 12.3 *G* 0.15 Opp. 8 *n* 0.17934343 Ω 170.25744
rms res. 0''.98 (M-c) 1973-1993 *e* 0.1684403 *i* 0.79043

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3196) Maklaj Obs. 19 *M* 92.43892 ω 340.51473
H 12.3 *G* 0.15 Opp. 8 *n* 0.18695084 Ω 13.52986
rms res. 1''.10 (M-c) 1976-1994 *e* 0.0228021 *i* 8.98540

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3201) Sijthoff Obs. 35 *M* 317.81690 ω 52.89702
H 13.7 *G* 0.15 Opp. 8 *n* 0.29045216 Ω 109.60266
rms res. 0''.82 (M-c) 1960-1991 *e* 0.0871984 *i* 2.98960

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3222) Liller Obs. 18 *M* 121.84521 ω 118.58620
H 11.4 *G* 0.15 Opp. 4 *n* 0.18147077 Ω 151.48277
rms res. 1''.19 (M-c) 1982-1989 *e* 0.0605461 *i* 15.94062

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 *Bowell*
(3230) Vampilov Obs. 19 *M* 41.56971 ω 239.19316
H 12.3 *G* 0.15 *U* 1 Opp. 5 *n* 0.17693909 Ω 76.01943
rms res. 0''.85 (M-v) 1972-1994 *e* 0.3190706 *i* 15.60413

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3234) Hergiani Obs. 31 *M* 8.18768 ω 315.62029
H 12.5 *G* 0.15 Opp. 4 *n* 0.18006266 Ω 76.99879
rms res. 0''.99 (M-c) 1978-1989 *e* 0.1860955 *i* 0.96589

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3237) Victorplatt Obs. 29 *M* 166.10302 ω 333.43790
H 10.6 *G* 0.15 Opp. 12 *n* 0.18811435 Ω 280.91721
rms res. 1''.13 (M-c) 1929-1990 *e* 0.0601552 *i* 9.09349

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Nakano
(3245) Jensch Obs. 30 *M* 310.38838 ω 84.97752
H 13.4 *G* 0.15 *U* 2 Opp. 5 *n* 0.17835401 Ω 348.99137
rms res. 0''.70 (M-v) 1973-1995 *e* 0.1601090 *i* 0.33264

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3249) Musashino Obs. 28 *M* 168.16820 ω 309.49812
H 13.7 *G* 0.15 Opp. 6 *n* 0.27435193 Ω 76.41798
rms res. 1''.13 (M-c) 1961-1991 *e* 0.2476696 *i* 3.36986

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3258) Somnium Obs. 28 *M* 255.09329 ω 296.57310
H 13.4 *G* 0.15 Opp. 6 *n* 0.30082313 Ω 45.23051
rms res. 1''.23 (M-c) 1979-1995 *e* 0.1964636 *i* 7.55862

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3262) Miune Obs. 65 *M* 44.68636 ω 52.66063
H 10.8 *G* 0.15 Opp. 6 *n* 0.18880441 Ω 73.54078
rms res. 1''.00 (M-c) 1977-1991 *e* 0.0620028 *i* 9.46415

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3276) Porta Coeli Obs. 34 *M* 102.52322 ω 341.42814
H 12.0 *G* 0.15 Opp. 9 *n* 0.17935474 Ω 71.41941
rms res. 1''.24 (M-c) 1974-1995 *e* 0.1754951 *i* 2.68159

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Sumzina
(3278) Běhounek Obs. 36 *M* 14.18557 ω 49.07407
H 11.2 *G* 0.15 Opp. 9 *n* 0.17098209 Ω 79.15135
rms res. 1''.20 (M-c) 1939-1990 *e* 0.0300485 *i* 9.68170

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Williams
(3322) Lidiya Obs. 14 *M* 102.09333 ω 223.83611
H 12.1 *G* 0.15 *U* 2 Opp. 5 *n* 0.26617938 Ω 250.91524
rms res. 0''.79 (M-v) 1975-1993 *e* 0.2137867 *i* 23.50092

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 *Bowell*
(3327) Campins Obs. 79 *M* 305.53307 ω 243.59873
H 12.1 *G* 0.15 *U* 1 Opp. 18 *n* 0.17443282 Ω 69.77603
rms res. 0''.87 (M-v) 1923-1995 *e* 0.1060449 *i* 1.56349

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Williams
(3369) Freuchen Obs. 24 *M* 290.72471 ω 143.56441
H 12.1 *G* 0.15 *U* 1 Opp. 7 *n* 0.18550984 Ω 267.75833
rms res. 0''.77 (M-v) 1971-1995 *e* 0.1331369 *i* 7.97906

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 *Bowell*
(3603) Gajdušek Obs. 23 *M* 215.77040 ω 347.86472
H 12.8 *G* 0.15 *U* 1 Opp. 5 *n* 0.23912051 Ω 278.42762
rms res. 0''.78 (M-v) 1955-1993 *e* 0.1233256 *i* 5.23157

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Williams
(3693) Barringer Obs. 31 *M* 129.27821 ω 186.62753
H 11.7 *G* 0.15 *U* 1 Opp. 7 *n* 0.17676395 Ω 178.99625
rms res. 1''.01 (M-v) 1954-1995 *e* 0.2052228 *i* 14.91965

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Williams
(3752) Camillo Obs. 94 *M* 272.21729 ω 312.21347
H 15.5 *G* 0.15 *U* 2 Opp. 5 *n* 0.58641854 Ω 148.02569
 rms res. 0".68 (M-v) 1985-1995 *e* 0.3023996 *i* 55.54661

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Williams
(3806) 1981 EW₃₂ Obs. 18 *M* 337.80197 ω 187.90913
H 14.7 *G* 0.15 *U* 3 Opp. 5 *n* 0.24322329 Ω 199.65037
 rms res. 0".93 (M-v) 1981-1995 *e* 0.3122129 *i* 10.04016

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Bowell
(4100) 1988 BF Obs. 30 *M* 246.48869 ω 305.08186
H 11.0 *G* 0.15 *U* 1 Opp. 8 *n* 0.18825293 Ω 90.28728
 rms res. 0".88 (M-v) 1954-1995 *e* 0.1029010 *i* 11.12714

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Bowell
(4193) 1981 SM₁ Obs. 55 *M* 187.05731 ω 248.93970
H 12.2 *G* 0.15 *U* 1 Opp. 10 *n* 0.17725032 Ω 127.85206
 rms res. 0".61 (M-v) 1954-1994 *e* 0.1839299 *i* 1.88447

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Bowell
(4728) 1979 VG Obs. 23 *M* 182.80489 ω 20.54713
H 13.7 *G* 0.15 *U* 1 Opp. 7 *n* 0.28102208 Ω 24.41536
 rms res. 0".79 (M-v) 1954-1993 *e* 0.1121641 *i* 5.96491

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Williams
(4769) Castalia Obs. 81 *M* 154.38420 ω 121.21895
H 16.9 *G* 0.15 *U* 4 Opp. 4 *n* 0.89904355 Ω 325.75164
 rms res. 0".81 (M-v) 1989-1995 *e* 0.4832793 *i* 8.88704

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Bowell
(5167) 1985 GU₁ Obs. 21 *M* 86.65455 ω 272.13459
H 12.1 *G* 0.15 *U* 1 Opp. 7 *n* 0.22631842 Ω 12.73417
 rms res. 0".78 (M-v) 1951-1992 *e* 0.2054372 *i* 15.01116

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Bowell
(5205) 1988 CU₇ Obs. 42 *M* 254.07815 ω 301.57232
H 12.9 *G* 0.15 *U* 1 Opp. 7 *n* 0.27575566 Ω 358.57791
 rms res. 0".80 (M-v) 1954-1995 *e* 0.0440373 *i* 6.38015

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Williams
(5309) 1981 ED₂₅ Obs. 33 *M* 340.06910 ω 124.66855
H 14.1 *G* 0.15 *U* 2 Opp. 7 *n* 0.29159376 Ω 202.49746
 rms res. 0".87 (M-v) 1975-1995 *e* 0.2343555 *i* 4.03529

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Williams
(5436) Eumelos Obs. 30 *M* 213.24970 ω 219.00003
H 10.2 *G* 0.15 *U* 2 Opp. 5 *n* 0.08313898 Ω 254.05438
 rms res. 0".71 (M-v) 1989-1995 *e* 0.0785974 *i* 7.42875

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Williams
(5492) Thoma Obs. 24 *M* 264.20287 ω 191.30604
H 12.3 *G* 0.15 *U* 1 Opp. 5 *n* 0.21205696 Ω 191.54093
 rms res. 0".74 (M-v) 1959-1995 *e* 0.1361961 *i* 17.58341

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Bowell
(5497) 1975 SS Obs. 33 *M* 185.79619 ω 301.74361
H 12.4 *G* 0.15 *U* 1 Opp. 7 *n* 0.18912851 Ω 195.69429
 rms res. 0".70 (M-v) 1952-1994 *e* 0.0598230 *i* 10.74164

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Williams
(5538) Luichewoo Obs. 22 *M* 339.00326 ω 45.42196
H 14.0 *G* 0.15 *U* 1 Opp. 6 *n* 0.28452809 Ω 335.58295
 rms res. 0".59 (M-v) 1964-1995 *e* 0.1664743 *i* 5.23240

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Bowell
(5573) 1981 QX Obs. 38 *M* 167.06103 ω 104.05363
H 13.2 *G* 0.15 *U* 1 Opp. 7 *n* 0.23564836 Ω 178.54523
 rms res. 0".72 (M-v) 1913-1994 *e* 0.2870716 *i* 11.20518

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Bowell
(5629) Kuwana Obs. 23 *M* 251.33962 ω 285.81884
H 11.3 *G* 0.15 *U* 1 Opp. 6 *n* 0.18490126 Ω 145.81983
 rms res. 0".76 (M-v) 1934-1994 *e* 0.0708168 *i* 10.06056

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Williams
(5786) Talos Obs. 29 *M* 348.40997 ω 8.27184
H 16.8 *G* 0.15 *U* 5 Opp. 4 *n* 0.87631032 Ω 161.36858
 rms res. 0".64 (M-v) 1991-1995 *e* 0.8267245 *i* 23.24024

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Bowell
(5856) 1994 AL₂ Obs. 21 *M* 221.18481 ω 286.94747
H 12.9 *G* 0.15 *U* 1 Opp. 5 *n* 0.23449292 Ω 105.85605
 rms res. 0".85 (M-v) 1954-1994 *e* 0.1109997 *i* 16.06330

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Williams
(5865) 1984 QQ Obs. 36 *M* 329.43406 ω 181.04305
H 13.0 *G* 0.15 *U* 1 Opp. 7 *n* 0.26384615 Ω 197.18659
 rms res. 0".78 (M-v) 1984-1995 *e* 0.1301323 *i* 7.60542

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Williams
(5916) 1991 JD₁ Obs. 28 *M* 44.99755 ω 26.93930
H 12.5 *G* 0.15 *U* 2 Opp. 6 *n* 0.27871798 Ω 256.50013
 rms res. 0".94 (M-v) 1977-1995 *e* 0.1148039 *i* 9.28963

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Bowell
(6046) 1991 RF₁₄ Obs. 33 *M* 111.63017 ω 93.02317
H 13.9 *G* 0.15 *U* 1 Opp. 4 *n* 0.28258656 Ω 200.83245
 rms res. 0".85 (M-v) 1955-1994 *e* 0.1460392 *i* 6.92900

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Williams
(6063) Jason Obs. 79 *M* 173.78325 ω 336.49895
H 15.1 *G* 0.15 *U* 2 Opp. 4 *n* 0.29885340 Ω 169.94476
 rms res. 0".76 (M-v) 1984-1995 *e* 0.7643315 *i* 4.84670

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Bowell
(6074) 1968 QE Obs. 17 *M* 118.94680 ω 68.94813
H 13.7 *G* 0.15 *U* 1 Opp. 5 *n* 0.26652212 Ω 267.86763
 rms res. 0".86 (M-v) 1954-1994 *e* 0.2160060 *i* 1.57669

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5
(6391) 1990 BN₂ Obs. 39 *M* 132.75607 ω 17.07210
H 13.0 *G* 0.15 *U* 1 Opp. 5 *n* 0.22884095 Ω 89.91219
 rms res. 0".69 (M-v) 1954-1995 *e* 0.1323561 *i* 14.29166

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5
(6421) 1993 XS₁ Obs. 20 *M* 197.51366 ω 266.73630
H 12.7 *G* 0.15 *U* 1 Opp. 6 *n* 0.25533704 Ω 140.81034
 rms res. 0".81 (M-v) 1931-1995 *e* 0.1342932 *i* 6.51591

(6505)* 1976 AH = 1991 RL₂₉
 Discovered 1976 Jan. 3 by M. R. Cesco at El Leoncito.
 Id. E. Bowell (*MPC* 20627)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Williams
M 140.83363 (2000.0) **P** **Q**
n 0.17195013 ω 255.92197 -0.85469556 -0.42640802
a 3.2028336 Ω 258.12939 +0.50961657 -0.79786423
e 0.1848419 *i* 17.61170 -0.09892651 -0.42613246
P 5.73 *H* 10.6 *G* 0.15 *U* 1
 Residuals in seconds of arc
 511130 675 0.4+ 0.5+ 910914 675 0.4- 0.6- 930127 104 0.1+ 0.2+
 511130 675 0.4+ 1.4+ 910915 675 0.5- 0.4+ 950628 801 0.4+ 0.7-
 760103 808 0.6+ 0.3- 910916 675 0.0 0.5- 950628 801 0.3+ 0.4-
 760103 808 0.1+ 1.1+ 921029 801 0.2+ 0.2- 950629 801 0.7+ 0.4-
 760106 808 0.2- 0.4+ 921029 801 0.3+ 0.2- 950629 801 0.4+ 0.5-
 760106 808 0.1- 0.1- 921128 801 0.3+ 0.8- 950718 552 0.3- 0.9+
 760222 808 0.2- 0.1+ 921128 801 0.3+ 0.8- 950718 552 0.0 0.1+
 760227 808 0.4- 0.0 921129 801 0.3+ 0.7- 950726 801 0.3- 0.1+
 760227 808 0.5+ 0.3+ 921129 801 0.1+ 0.8- 950726 801 0.3- 0.2-
 760305 808 (1.5+ 4.2+) 930115 104 0.5- 0.1+ 950730 801 0.2- 0.1-
 760305 808 1.4- 0.8- 930122 596 0.6- 0.3- 950730 801 0.1+ 0.1+
 910913 675 0.1- 0.1- 930122 596 (2.5- 0.2+)
 910913 675 0.1+ 0.7- 930127 104 0.3- 0.1-

(6506)* 1978 EN₁₀ = 1978 ED₂ = 1978 GR = 1990 RB₆
 Discovered 1978 Mar. 15 by S. J. Bus at Palomar.

Id. G. V. Williams (*MPC* 18104)
 Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Williams
M 252.71136 (2000.0) **P** **Q**
n 0.27006180 ω 230.64009 -0.75038247 +0.66075727
a 2.3704308 Ω 350.66877 -0.56704597 -0.65751638
e 0.0501388 *i* 6.39333 -0.33968371 -0.36203873
P 3.65 *H* 13.7 *G* 0.15 *U* 2
 Residuals in seconds of arc
 541123 675 0.3- 0.1- 900909 809 (2.1- 1.1+) 900915 809 0.3+ 0.1+
 541123 675 0.1+ 0.5+ 900909 809 (3.3- 1.2+) 900916 809 0.6+ 0.2+
 780305 095 (4.9+ 0.6-) 900910 809 (3.1- 1.3+) 900916 809 0.9+ 0.2+
 780315 675 1.3- 1.1- 900910 809 (2.8- 1.6+) 940907 689 0.4+ 1.2+
 780316 675 0.4- 1.2- 900912 809 0.8+ 0.2+ 940908 689 0.5+ 0.9+
 780407 095 0.3+ 0.3- 900912 809 0.8+ 0.2+ 940909 689 0.9+ 0.1+
 900827 675 0.2+ 1.0- 900912 809 0.9+ 0.3+ 940930 675 0.8+ 0.5+
 900827 675 0.5+ 1.2- 900914 675 1.7- 1.0- 940930 675 0.9- 0.5+
 900828 095 0.6+ 1.1- 900914 675 1.2- 0.2- 941104 675 1.1+ 1.0-
 900828 095 (0.2- 5.2-) 900914 809 0.7- 0.4+ 941104 675 0.1+ 1.5-

900908 809 (3.0- 0.7+) 900915 809 0.7- 0.6+ 941106 675 1.2- 1.2-
 900909 809 (2.5- 0.9+) 900915 809 0.6- 0.5+ 941106 675 0.5- 1.4-

(6507)* 1982 QD = 1992 QD₁
 Discovered 1982 Aug. 18 by Z. Vávrová at Kleť.

Id. G. V. Williams (*MPC* 22949)
 Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Williams
M 314.58456 (2000.0) **P** **Q**
n 0.29833386 ω 96.23707 +0.86540956 -0.49670615
a 2.2182016 Ω 293.56229 +0.42656111 +0.79937688
e 0.2365941 *i* 4.12587 +0.26289145 +0.33805268
P 3.30 *H* 14.6 *G* 0.15 *U* 2
 Residuals in seconds of arc
 820815 095 (1.5+ 4.8+) 920827 675 1.8- 1.1+ 950621 046 0.4- 0.0
 820818 046 0.1- 1.8- 920827 675 0.8- 0.7+ 950621 046 0.9- 0.5+
 820818 046 1.4+ 0.5- 920929 675 1.7- 1.0+ 950621 046 1.1- 0.6+
 820819 675 1.4- 0.9- 920929 675 0.0 1.9+ 950708 046 0.3+ 0.0
 820819 675 0.8- 0.3- 920930 675 0.1- 0.4+ 950708 046 0.2- 0.5+
 820821 046 1.1+ 1.2- 920930 675 0.2+ 0.1- 950708 046 0.3+ 0.2+
 820821 046 1.1+ 2.0- 921003 675 1.0+ 1.2+ 950709 046 0.4- 0.3+
 820822 046 (0.8- 3.4-) 940420 046 0.2- 0.5- 950709 046 0.3+ 0.1-
 820822 046 2.1+ 1.9- 940420 046 0.3+ 0.3+ 950709 046 0.2- 0.1+
 820911 095 (0.5- 4.2+) 940420 046 0.6- 0.3- 950726 046 0.6+ 1.0+
 820916 095 0.0 1.4+ 950620 046 0.5- 0.6+ 950726 046 0.5+ 0.9+
 920826 675 0.5+ 0.9- 950620 046 0.4+ 0.5+ 950726 046 0.3+ 0.8+
 920826 675 0.4+ 1.0- 950620 046 0.2- 0.3-

(6508)* 1982 QM = 1982 SL₂ = 1942 RE₁ = 1969 VU₁ = 1991 RJ₆

Discovered 1982 Aug. 22 by A. Mrkos at Kleť.
 Id. T. Furuta (d, *JAM* 1969), H. E. Holt (*MPC* 19016), R. H. McNaught (*ibid.*),
 D. W. E. Green (*ibid.*), G. V. Williams (*ibid.*)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Williams
M 327.80935 (2000.0) **P** **Q**
n 0.22181871 ω 211.48672 +0.99717045 -0.05490584
a 2.7027379 Ω 151.52505 +0.06813039 +0.94874601
e 0.2092171 *i* 6.18247 -0.03177019 +0.31123359
P 4.44 *H* 13.9 *G* 0.15 *U* 1
 Residuals in seconds of arc
 420911 024 (3.4- 3.5+) 911002 675 1.1+ 0.1- 950619 104 0.4+ 0.6+
 691115 095 0.7+ 0.9+ 911002 675 0.4+ 0.2+ 950619 104 0.3+ 0.8+
 820814 095 (0.0 4.0+) 911007 675 1.2+ 0.0 950619 046 0.5- 1.1-
 820822 046 (3.2- 5.2-) 911007 675 1.0+ 1.3- 950619 104 0.0 0.8+
 820822 046 (1.6- 4.4-) 911008 675 1.2+ 0.4- 950619 046 0.2+ 0.7+
 820826 046 1.5- 0.5- 911014 691 1.9- 0.2- 950619 046 0.0 0.5+
 820826 046 0.1+ 0.5+ 911014 691 1.4- 0.1+ 950620 046 0.1- 0.5+
 820913 095 0.3- 0.8+ 911014 691 1.5- 0.1+ 950620 046 0.9+ 0.3+
 820918 809 (3.5+ 1.0-) 911014 691 0.6- 0.1+ 950620 046 1.1+ 0.6-
 820918 809 (3.6+ 0.7-) 911014 691 0.5- 0.0 950706 046 0.0 0.1+
 820918 809 (3.2+ 0.6-) 911014 691 0.8- 0.1+ 950706 046 0.1- 0.0
 910902 413 0.3+ 0.1+ 930212 589 0.6+ 0.0 950707 046 0.3+ 0.2+
 910902 413 0.4+ 0.5+ 930212 589 0.1- 0.3+ 950707 046 0.0 0.1+
 910903 413 0.5- 1.1+ 930212 589 0.3+ 0.2+ 950707 046 0.2- 0.1+
 910913 675 0.3+ 0.0 930213 589 0.1- 0.1- 950708 046 0.9- 0.2+

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 910913 675 | 0.5+ | 0.1+ | 930213 589 | 0.2+ | 0.3+ | 950730 046 | 0.3+ | 0.6- |
| 910916 675 | 0.7+ | 0.9- | 930213 589 | 0.2+ | 0.2+ | 950730 046 | 0.4+ | 0.6- |
| 910916 675 | 1.7+ | 1.1- | 940421 046 | 1.7- | 0.7- | 950730 046 | 0.3+ | 0.2- |
| 910917 675 | (1.8- | 2.1-) | 940421 046 | (2.2- | 0.9-) | | | |
| 910917 675 | 1.4- | 1.1- | 940421 046 | 1.1- | 0.8- | | | |

(6509)* 1983 CQ₃ = 1967 RD = 1972 VQ₁ = 1976 OG = 1990 HF₅
= 1991 YB

Discovered 1983 Feb. 12 by H. Debehogne and G. DeSanctis at the European Southern Observatory.

Id. T. Urata (*MPC* 19673)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| <i>M</i> | 335.65468 | | (2000.0) | Williams | | | | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|--|
| | | <i>P</i> | | <i>Q</i> | | | | |
| <i>n</i> | 0.21120015 | ω | 102.73819 | +0.84656078 | -0.52173874 | | | |
| <i>a</i> | 2.7925861 | Ω | 288.79808 | +0.43485698 | +0.79215593 | | | |
| <i>e</i> | 0.2356630 | <i>i</i> | 6.39665 | +0.30697600 | +0.31666651 | | | |
| <i>P</i> | 4.67 | <i>H</i> | 12.4 | <i>G</i> | 0.15 | <i>U</i> | 1 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|--------|------------|------|------|------------|------|------|
| 531130 675 | 0.5- | 0.5- | 830218 809 | 0.5- | 0.3- | 920103 885 | 0.6+ | 1.1- |
| 531130 675 | 0.3+ | 0.1- | 830220 809 | 1.0- | 0.3+ | 920103 885 | 1.1+ | 0.4- |
| 670904 095 | (6.0- | 50.4+) | 830220 809 | 0.9- | 0.8+ | 920110 885 | 0.2+ | 1.6- |
| 670911 095 | (6.0- | 4.6+) | 900430 413 | 1.5+ | 0.1+ | 950701 801 | 0.7- | 0.2- |
| 721112 095 | (0.7+ | 6.3-) | 900430 413 | 0.5- | 0.0 | 950701 801 | 1.3- | 0.9- |
| 760727 095 | 1.8+ | 0.3+ | 911214 885 | 0.5- | 1.8+ | 950730 801 | 0.1- | 0.6+ |
| 830212 809 | 0.3+ | 0.2+ | 911214 885 | 0.1- | 0.6+ | 950730 801 | 0.6- | 0.3+ |
| 830212 809 | 0.3+ | 0.1+ | 911216 885 | 0.1- | 0.6+ | 950801 801 | 0.1+ | 0.4- |
| 830212 809 | 0.4+ | 0.1- | 911216 885 | 0.5- | 0.2- | 950801 801 | 0.1+ | 0.3- |
| 830218 809 | 0.6- | 0.2+ | 911228 385 | 0.8+ | 0.0 | | | |
| 830218 809 | 0.4- | 0.0 | 911228 385 | 0.9+ | 0.3- | | | |

(6510)* 1987 DF

Discovered 1987 Feb. 23 by C. S. Shoemaker at Palomar.

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| <i>M</i> | 70.77617 | | (2000.0) | Williams | | | | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|--|
| | | <i>P</i> | | <i>Q</i> | | | | |
| <i>n</i> | 0.27213243 | ω | 88.53922 | -0.33724823 | +0.93194505 | | | |
| <i>a</i> | 2.3583912 | Ω | 160.09182 | -0.94124104 | -0.33651937 | | | |
| <i>e</i> | 0.2235287 | <i>i</i> | 23.02742 | +0.01813684 | -0.13503013 | | | |
| <i>P</i> | 3.62 | <i>H</i> | 12.6 | <i>G</i> | 0.15 | <i>U</i> | 2 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|-------|-------|
| 870223 809 | 0.2+ | 0.1+ | 870303 688 | 1.8+ | 2.3- | 870530 675 | 1.5- | 0.5+ |
| 870223 809 | 0.4+ | 0.1- | 870304 809 | 0.3+ | 0.7- | 881007 801 | 1.3- | 1.5- |
| 870223 809 | 0.6+ | 0.2- | 870304 809 | 0.5+ | 0.1- | 910114 801 | 0.0 | 0.1- |
| 870223 675 | 1.1- | 2.1+ | 870304 809 | 0.3+ | 0.1- | 910114 801 | 0.5- | 0.3- |
| 870223 675 | 0.9- | 0.6+ | 870305 809 | 0.3+ | 0.3- | 910210 801 | 0.5+ | 0.7- |
| 870224 809 | 0.2+ | 0.2- | 870305 809 | 0.6+ | 0.0 | 910210 801 | 0.6- | 0.3- |
| 870224 809 | 0.2+ | 0.3- | 870305 809 | 0.5+ | 0.1- | 910211 801 | 0.1- | 0.3- |
| 870224 809 | 0.5+ | 0.4- | 870305 809 | 0.3+ | 0.0 | 910211 801 | 0.3- | 1.1- |
| 870225 809 | 0.3- | 0.0 | 870305 809 | 0.6+ | 0.3- | 910223 413 | 1.5- | 0.4+ |
| 870225 809 | 0.2- | 0.1- | 870305 809 | 0.7+ | 0.5- | 910502 657 | 0.1- | 0.6+ |
| 870225 809 | 0.2- | 0.2- | 870306 809 | 0.5+ | 0.2+ | 910502 657 | 0.6- | 0.6- |
| 870226 809 | 0.2- | 0.0 | 870306 809 | 0.5+ | 0.1+ | 910519 297 | 0.1+ | 0.9+ |
| 870226 809 | 0.1+ | 0.3+ | 870306 809 | 0.3+ | 0.1+ | 910519 297 | 0.5+ | 1.2+ |
| 870226 809 | 0.3+ | 0.6+ | 870307 809 | 0.4+ | 0.2- | 910605 046 | (0.6+ | 2.6-) |
| 870227 809 | 0.4+ | 0.0 | 870307 809 | 0.5+ | 0.1+ | 910605 046 | (0.5- | 2.7-) |

| | | | | | | | | |
|------------|------|------|------------|-------|-------|------------|------|------|
| 870227 809 | 0.2+ | 0.1- | 870307 809 | 0.5+ | 0.4+ | 910608 293 | 1.0+ | 1.5- |
| 870227 809 | 0.4+ | 0.2- | 870307 809 | 0.5+ | 0.1- | 910608 293 | 0.6+ | 0.3- |
| 870227 675 | 1.7- | 1.2+ | 870307 809 | 0.6+ | 0.2+ | 910615 046 | 0.6- | 0.7- |
| 870227 675 | 1.9- | 0.1+ | 870307 809 | 0.4+ | 0.1- | 910615 046 | 0.7- | 1.3- |
| 870228 809 | 0.4- | 0.1+ | 870308 809 | 0.4- | 0.4- | 910619 657 | 0.0 | 0.1+ |
| 870228 809 | 0.0 | 0.1+ | 870308 809 | 0.6- | 0.2- | 940313 801 | 0.1- | 0.9- |
| 870228 809 | 0.2+ | 0.3- | 870308 809 | 0.6- | 0.2- | 940313 801 | 0.4- | 0.4- |
| 870301 809 | 0.3- | 0.2- | 870309 809 | 0.3- | 0.2- | 940321 801 | 0.2- | 0.1+ |
| 870301 809 | 0.1- | 0.2- | 870309 809 | 0.2- | 0.4- | 940321 801 | 0.3- | 0.1+ |
| 870301 809 | 0.0 | 0.1- | 870309 809 | 0.1- | 0.4- | 950701 801 | 0.1+ | 0.7+ |
| 870302 809 | 0.3- | 0.1+ | 870311 809 | 1.2- | 0.2+ | 950701 801 | 0.0 | 0.5+ |
| 870302 809 | 0.1+ | 0.5+ | 870311 809 | 1.0- | 0.2+ | 950730 801 | 0.5+ | 0.5- |
| 870302 809 | 0.2+ | 0.2+ | 870311 809 | 0.9- | 0.2+ | 950730 801 | 1.0+ | 0.1- |
| 870303 809 | 0.5+ | 0.0 | 870421 675 | (1.5- | 3.3+) | 950801 801 | 0.0 | 0.0 |
| 870303 809 | 0.7+ | 0.1- | 870422 675 | 0.8- | 2.4+ | 950801 801 | 0.0 | 1.3+ |
| 870303 809 | 0.7+ | 0.2- | 870423 675 | 0.8- | 1.8+ | | | |
| 870303 688 | 0.3+ | 0.7+ | 870530 675 | (1.1- | 3.2+) | | | |

(6511)* 1987 QR₁₁ = 1952 DP₁ = 1973 FA₁ = 1991 PR₂₁

Discovered 1987 Aug. 27 by L. I. Chernykh at the Crimean Astrophysical Observatory.

Id. E. Bowell (*MPC* 22224), G. V. Williams (*ibid.*)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| <i>M</i> | 96.28449 | | (2000.0) | Williams | | | | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|--|
| | | <i>P</i> | | <i>Q</i> | | | | |
| <i>n</i> | 0.23520654 | ω | 270.73735 | -0.83149771 | +0.54268452 | | | |
| <i>a</i> | 2.5991805 | Ω | 302.13657 | -0.43739320 | -0.77134295 | | | |
| <i>e</i> | 0.1272656 | <i>i</i> | 8.06255 | -0.34248905 | -0.33245085 | | | |
| <i>P</i> | 4.19 | <i>H</i> | 12.5 | <i>G</i> | 0.15 | <i>U</i> | 2 | |

Residuals in seconds of arc

| | | | | | | | | | |
|------------|-------|-------|---|------------|-------|-------|------------|------|------|
| 520219 711 | 1.3- | 2.7- | Y | 921128 675 | 0.8+ | 1.8- | 950629 801 | 0.7+ | 0.4- |
| 520219 711 | (1.1+ | 7.6-) | Y | 921128 675 | (0.7+ | 3.3-) | 950629 801 | 0.8+ | 0.7- |
| 730327 095 | (4.2+ | 0.5-) | | 940312 801 | 0.1+ | 0.3+ | 950730 816 | 0.1- | 0.3- |
| 870827 095 | (4.6+ | 0.1-) | | 940312 801 | 0.1+ | 0.3+ | 950730 816 | 0.1- | 0.2- |
| 870902 095 | (4.0+ | 3.8+) | | 940313 675 | 0.5+ | 0.2- | 950730 816 | 0.2- | 0.1- |
| 870916 095 | 0.8+ | 1.1- | | 940313 675 | 0.0 | 0.1- | 950731 816 | 0.0 | 0.1- |
| 870917 095 | 1.7- | 2.1+ | | 940514 801 | 0.4- | 0.2+ | 950731 816 | 0.1- | 0.1- |
| 870923 095 | 2.4- | 1.0+ | | 940514 801 | 0.1+ | 0.4+ | 950731 816 | 0.1- | 0.1- |
| 910810 675 | 1.1+ | 0.3- | | 940515 801 | 0.2- | 0.6+ | | | |
| 910810 675 | 1.8+ | 1.3- | | 940515 801 | 0.3+ | 0.1+ | | | |

(6512)* 1987 SR₁ = 1987 WD₃ = 1978 JZ = 1991 PT₁₇

Discovered 1987 Sept. 21 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Id. S. Nakano (d. *MPC* 15384), E. Bowell (*MPC* 19862), G. V. Williams (*ibid.*)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| <i>M</i> | 28.44216 | | (2000.0) | Williams | | | | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|--|
| | | <i>P</i> | | <i>Q</i> | | | | |
| <i>n</i> | 0.23897569 | ω | 111.39959 | +0.44639428 | +0.89466782 | | | |
| <i>a</i> | 2.5717785 | Ω | 185.21291 | -0.87538847 | +0.43258590 | | | |
| <i>e</i> | 0.1828164 | <i>i</i> | 11.02009 | -0.18554559 | +0.11152993 | | | |
| <i>P</i> | 4.12 | <i>H</i> | 13.5 | <i>G</i> | 0.15 | <i>U</i> | 1 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 780505 095 | 0.1- | 0.4- | 910807 675 | 1.2+ | 0.1- | 910914 675 | 0.1- | 0.3- |
| 870902 095 | 0.0 | 1.2- | 910807 675 | 0.4+ | 0.9- | 940215 675 | 0.2- | 1.4- |

| | | | | | | | | | | | |
|--------|-----|-------|-------|--------|-----|------|------|--------|-----|------|------|
| 870921 | 688 | 0.4+ | 2.0- | 910912 | 675 | 0.4+ | 0.5+ | 950630 | 801 | 0.1- | 0.3+ |
| 870921 | 688 | (2.5+ | 1.0+) | 910912 | 675 | 0.2- | 0.2- | 950630 | 801 | 0.3+ | 0.2+ |
| 870929 | 688 | (0.0 | 4.4-) | 910913 | 691 | 0.0 | 1.0+ | 950730 | 801 | 0.2- | 0.1+ |
| 870929 | 688 | 0.2- | 1.4+ | 910913 | 691 | 0.9- | 0.2- | 950730 | 801 | 0.4- | 0.1- |
| 871117 | 010 | 0.2+ | 0.3- | 910913 | 691 | 0.6- | 0.6+ | 950801 | 801 | 0.0 | 0.0 |
| 871117 | 010 | 0.4- | 0.6+ | 910914 | 675 | 0.6+ | 0.8- | 950801 | 801 | 0.1- | 0.3+ |

(6513)* 1987 UW₁ = 1991 RQ₁

Discovered 1987 Oct. 28 by S. Ueda and H. Kaneda at Kushiro.

Id. S. Nakano (*MPC* 19021), H. Kaneda (*ibid.*)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | Nakano | | | | | | | | | |
|-----------------------------|------------|----------|-----------|-------------|-------------|------|------|--------|-----|------|------|
| <i>M</i> | 312.91104 | (2000.0) | | P | Q | | | | | | |
| <i>n</i> | 0.23256746 | ω | 168.29570 | +0.77683744 | -0.61865517 | | | | | | |
| <i>a</i> | 2.6188065 | Ω | 230.56635 | +0.56477767 | +0.76699131 | | | | | | |
| <i>e</i> | 0.1313716 | <i>i</i> | 8.74505 | +0.27847759 | +0.17026481 | | | | | | |
| <i>P</i> | 4.24 | <i>H</i> | 12.4 | <i>G</i> | 0.15 | | | | | | |
| | | | | <i>U</i> | 2 | | | | | | |
| Residuals in seconds of arc | | | | | | | | | | | |
| 871022 | 095 | (3.9- | 0.2-) | 910907 | 399 | 0.7+ | 0.3- | 930320 | 801 | 1.1+ | 0.2- |
| 871027 | 095 | (3.2- | 1.6-) | 910913 | 399 | 0.4- | 0.1- | 930320 | 801 | 0.9+ | 0.4- |
| 871028 | 399 | 0.8+ | 1.1+ | Y 910913 | 399 | 0.2- | 1.0- | 930323 | 801 | 1.4+ | 0.1+ |
| 871028 | 399 | 0.8- | 0.4+ | Y 910915 | 399 | 0.2- | 0.3+ | 940515 | 801 | 1.2- | 0.7+ |
| 871028 | 399 | 0.1+ | 1.5- | Y 910930 | 399 | 0.6- | 1.1- | 940515 | 801 | 0.8+ | 0.9- |
| 871113 | 399 | 0.1- | 0.5+ | Y 911018 | 399 | 0.4+ | 1.8+ | 950629 | 801 | 0.6- | 0.7+ |
| 871113 | 399 | 1.6- | 0.4+ | 911018 | 399 | 0.3+ | 0.8- | 950629 | 801 | 0.7+ | 0.0 |
| 871114 | 399 | 1.2+ | 0.3+ | Y 930122 | 399 | 1.1- | 1.3- | 950630 | 801 | 0.3+ | 0.1+ |
| 871114 | 399 | 1.0+ | 0.1+ | Y 930122 | 399 | 0.1- | 0.9+ | 950630 | 801 | 0.2- | 0.2+ |
| 871114 | 399 | 0.3- | 1.6- | Y 930213 | 399 | 0.4+ | 0.6+ | 950730 | 801 | 0.4+ | 0.1- |
| 871116 | 327 | 0.4+ | 1.8+ | 930213 | 399 | 1.5- | 1.0- | 950730 | 801 | 0.1- | 0.5+ |
| 871121 | 095 | (4.1+ | 1.9-) | 930215 | 399 | 0.4- | 0.2- | 950801 | 801 | 0.1+ | 0.1+ |
| 910907 | 399 | 1.3- | 1.6- | 930215 | 399 | 0.3- | 0.9+ | 950801 | 801 | 0.4+ | 0.3+ |

(6514)* 1987 WY = 1991 VB₄

Discovered 1987 Nov. 25 by T. Seki at Geisei.

Id. G. V. Williams (*MPC* 19500)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | Williams | | | | | | | | | |
|-----------------------------|------------|----------|-----------|-------------|-------------|-------|-------|--------|-----|-------|-------|
| <i>M</i> | 344.20235 | (2000.0) | | P | Q | | | | | | |
| <i>n</i> | 0.23300202 | ω | 142.43661 | +0.95847692 | -0.23024644 | | | | | | |
| <i>a</i> | 2.6155494 | Ω | 231.72784 | +0.18059206 | +0.94669634 | | | | | | |
| <i>e</i> | 0.2414147 | <i>i</i> | 12.37517 | +0.22070001 | +0.22528342 | | | | | | |
| <i>P</i> | 4.23 | <i>H</i> | 12.9 | <i>G</i> | 0.15 | | | | | | |
| | | | | <i>U</i> | 2 | | | | | | |
| Residuals in seconds of arc | | | | | | | | | | | |
| 871121 | 675 | (5.1+ | 1.4+) | 871225 | 372 | 0.5- | 0.6+ | 911128 | 372 | 1.2+ | 0.1+ |
| 871121 | 675 | (5.3+ | 2.2+) | 871225 | 372 | 0.8+ | 0.4+ | 911130 | 372 | (2.2- | 2.9+) |
| 871125 | 372 | (3.4- | 1.0+) | Y 910911 | 675 | (0.1+ | 2.6-) | 911130 | 372 | (2.0- | 2.9+) |
| 871125 | 372 | (5.5- | 1.0+) | Y 910911 | 675 | 0.1+ | 0.9- | 930126 | 372 | 0.2+ | 0.8- |
| 871129 | 372 | 0.0 | 0.0 | 910913 | 675 | 0.3- | 0.6+ | 930126 | 372 | 0.1+ | 0.7+ |
| 871129 | 372 | (1.2+ | 3.6+) | 910913 | 675 | 0.2- | 0.9+ | 930212 | 372 | 1.1- | 0.1- |
| 871201 | 372 | 0.1+ | 1.1+ | 910913 | 675 | 0.1+ | 1.0- | 930212 | 372 | 0.3- | 1.4- |
| 871201 | 372 | 1.3- | 0.5- | 910914 | 675 | 0.6- | 0.6+ | 950630 | 801 | 0.1+ | 0.6- |
| 871214 | 372 | 0.2- | 0.4+ | 910915 | 675 | 0.8- | 0.8+ | 950630 | 801 | 0.2+ | 0.6- |
| 871214 | 372 | 0.1- | 0.7- | 910916 | 675 | 0.6- | 1.3+ | 950701 | 801 | 0.2+ | 0.7- |
| 871216 | 372 | 0.3+ | 0.6- | 910917 | 675 | 1.2+ | 0.6- | 950701 | 801 | 0.2+ | 0.7- |
| 871216 | 372 | 0.8- | 0.1+ | 910917 | 675 | 0.3- | 0.3- | 950730 | 801 | 0.2+ | 0.2- |

| | | | | | | | | | | | |
|--------|-----|-------|-------|--------|-----|-------|-------|--------|-----|------|------|
| 871219 | 372 | 2.1+ | 1.9- | 911101 | 675 | (1.3- | 2.4+) | 950730 | 801 | 0.3+ | 0.1- |
| 871219 | 372 | (3.4+ | 0.7-) | 911103 | 675 | 1.2- | 0.3+ | 950801 | 801 | 0.2+ | 0.2- |
| 871221 | 372 | 0.2+ | 0.6+ | 911103 | 675 | 0.6- | 0.6+ | 950801 | 801 | 0.2+ | 0.4- |
| 871221 | 372 | 0.1- | 0.8- | 911128 | 372 | 1.8+ | 1.7- | | | | |

(6515)* 1988 MG = 1978 QN₁

Discovered 1988 June 16 by E. F. Helin at Palomar.

Id. B. G. Marsden (*MPC* 13458)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | (2000.0) | | Marsden | | | | | | | |
|-----------------------------|------------|----------|-----------|-------------|-------------|------|------|--------|-----|------|------|
| <i>M</i> | 13.75068 | | | P | Q | | | | | | |
| <i>n</i> | 0.28577361 | ω | 35.35872 | +0.59559197 | +0.80198276 | | | | | | |
| <i>a</i> | 2.2827305 | Ω | 271.23938 | -0.74713648 | +0.53213647 | | | | | | |
| <i>e</i> | 0.1508119 | <i>i</i> | 2.62330 | -0.29505472 | +0.27139349 | | | | | | |
| <i>P</i> | 3.45 | <i>H</i> | 14.0 | <i>G</i> | 0.15 | | | | | | |
| | | | | <i>U</i> | 2 | | | | | | |
| Residuals in seconds of arc | | | | | | | | | | | |
| 780831 | 095 | 0.4- | 0.5- | 950614 | 608 | 0.4+ | 0.1+ | 950629 | 596 | 0.1- | 0.1+ |
| 780905 | 095 | 0.8+ | 1.3+ | 950614 | 608 | 0.3+ | 0.2- | 950629 | 596 | 0.2+ | 0.3+ |
| 880616 | 675 | 0.3- | 0.8+ | 950616 | 608 | 1.2+ | 0.2- | 950629 | 596 | 0.0 | 0.6+ |
| 880620 | 675 | 1.0- | 1.7+ | 950616 | 608 | 1.1+ | 0.2- | 950714 | 608 | 0.2+ | 0.4+ |
| 880712 | 675 | 0.4+ | 0.5+ | 950622 | 608 | 0.3+ | 0.0 | 950714 | 608 | 0.3+ | 0.3+ |
| 880714 | 675 | 0.7- | 1.0- | 950622 | 608 | 0.0 | 0.0 | 950719 | 608 | 0.4+ | 0.3+ |
| 921213 | 010 | 0.5+ | 0.8- | 950622 | 608 | 0.0 | 0.2+ | 950727 | 608 | 0.2+ | 0.3- |
| 921214 | 010 | 1.5- | 0.2- | 950623 | 608 | 0.6- | 1.1- | 950727 | 608 | 0.2- | 0.3- |
| 940210 | 691 | 0.7- | 0.2- | 950623 | 608 | 0.9- | 1.9- | 950802 | 608 | 0.4- | 0.8- |
| 940210 | 691 | 0.6- | 0.2- | 950628 | 801 | 0.1- | 0.1+ | 950802 | 608 | 0.8- | 0.8- |
| 940212 | 675 | 1.2+ | 1.2- | 950628 | 801 | 0.1- | 0.1+ | | | | |
| 940215 | 675 | (0.9+ | 2.4-) | 950629 | 801 | 0.3+ | 0.0 | | | | |

(6516)* 1988 TC₂ = 1981 UV₁₇ = 1981 WA₆

Discovered 1988 Oct. 3 by A. Mrkos at Klef.

Id. S. Nakano (*MPC* 15561)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | Nakano | | | | | | | | | |
|-----------------------------|------------|----------|-----------|-------------|-------------|------|------|--------|-----|------|------|
| <i>M</i> | 352.18491 | (2000.0) | | P | Q | | | | | | |
| <i>n</i> | 0.27593188 | ω | 81.98879 | +0.99869472 | -0.04195365 | | | | | | |
| <i>a</i> | 2.3366919 | Ω | 280.41223 | +0.02669696 | +0.91502435 | | | | | | |
| <i>e</i> | 0.1996259 | <i>i</i> | 1.69740 | +0.04354448 | +0.40121107 | | | | | | |
| <i>P</i> | 3.57 | <i>H</i> | 14.3 | <i>G</i> | 0.15 | | | | | | |
| | | | | <i>U</i> | 2 | | | | | | |
| Residuals in seconds of arc | | | | | | | | | | | |
| 811024 | 095 | 0.5+ | 2.5- | 921225 | 801 | 0.2+ | 1.0+ | 950701 | 046 | 0.2- | 0.3- |
| 811124 | 095 | (5.6- | 7.1+) | 921228 | 801 | 0.3- | 0.4- | 950701 | 046 | 0.2- | 0.1+ |
| 880917 | 095 | 2.0- | 0.7+ | 921228 | 801 | 0.2- | 0.2- | 950730 | 046 | 0.1- | 0.2+ |
| 881003 | 046 | 1.6+ | 0.5- | 940503 | 046 | 1.1- | 1.9- | 950730 | 046 | 0.1- | 0.2+ |
| 881003 | 046 | 1.2+ | 1.0- | 940503 | 046 | 0.7- | 2.2- | 950730 | 046 | 0.1- | 0.3+ |
| 881004 | 046 | 1.0+ | 0.8- | 940503 | 046 | 0.8- | 2.0- | 950802 | 046 | 0.1+ | 0.4+ |
| 881004 | 046 | 1.0+ | 0.2- | 950630 | 046 | 0.2+ | 0.2- | 950802 | 046 | 0.4+ | 0.6+ |
| 881009 | 046 | 0.4- | 0.5- | 950630 | 046 | 0.1+ | 0.2- | 950802 | 046 | 0.5- | 0.3+ |
| 881009 | 046 | 0.9- | 0.7- | 950630 | 046 | 0.2+ | 0.3- | | | | |
| 921225 | 801 | 0.5+ | 1.0+ | 950701 | 046 | 0.4- | 0.3- | | | | |

(6517)* 1990 BW

Discovered 1990 Jan. 21 by E. F. Helin at Palomar.

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| M | | (2000.0) | | Williams | |
|----------|------------|----------|-----------|-------------|-------------|
| | | P | Q | | |
| <i>n</i> | 0.36875086 | ω | 150.82056 | +0.15293074 | +0.93461579 |
| <i>a</i> | 1.9259604 | Ω | 126.09969 | -0.96616324 | +0.20969313 |
| <i>e</i> | 0.0477992 | <i>i</i> | 23.41605 | -0.20770358 | -0.28726664 |
| <i>P</i> | 2.67 | <i>H</i> | 13.8 | <i>G</i> | 0.15 |
| | | | | <i>U</i> | 2 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------------|------|------------|------|------|------------|-------------|------|
| 880617 675 | 0.0 | 0.0 | 900227 675 | 0.1- | 0.6+ | 930224 801 | 1.1+ | 0.3+ |
| 880617 675 | 0.4+ | 0.2- | 930124 801 | 0.9+ | 0.0 | 930422 675 | 0.3- | 0.2- |
| 880808 675 | 0.6- | 1.1- | 930124 801 | 0.0 | 0.1+ | 930422 675 | 1.3- | 0.4- |
| 880808 675 | 0.6- | 1.4- | 930126 801 | 1.0+ | 0.2- | 930425 675 | (0.6+ 2.3-) | |
| 900121 675 | 0.8+ | 1.3- | 930126 801 | 0.9+ | 0.5- | 930425 675 | 0.2+ | 1.7- |
| 900121 675 | 0.3- | 0.2- | 930217 657 | 0.0 | 0.0 | 941109 608 | 0.4+ | 0.1+ |
| 900124 675 | 0.9+ | 0.8- | 930217 657 | 0.2+ | 0.1- | 941109 608 | 0.3+ | 0.1+ |
| 900124 033 | 0.9+ | 0.4+ | 930217 657 | 0.8+ | 0.6+ | 941109 608 | 0.2+ | 0.0 |
| 900125 033 | (1.6+ 2.4-) | | 930218 657 | 0.8- | 0.6+ | 941220 608 | 0.3- | 0.5- |
| 900126 675 | (2.7- 0.6-) | | 930218 657 | 0.4- | 0.4+ | 941220 608 | 0.4- | 0.5- |
| 900126 675 | 1.1- | 0.1+ | 930218 657 | 0.8- | 0.2- | 950120 608 | 0.1+ | 0.3- |
| 900127 675 | 0.1- | 1.0- | 930220 801 | 0.4+ | 0.7+ | 950120 608 | 0.1+ | 0.1+ |
| 900127 675 | 0.2- | 0.1+ | 930220 801 | 0.1- | 0.3- | | | |
| 900227 675 | 0.8- | 0.7- | 930224 801 | 0.6- | 0.7+ | | | |

(6518)* 1990 FR = 1986 LJ₁

Discovered 1990 Mar. 23 by E. F. Helin at Palomar.

Id. G. V. Williams (*MPC* 16436)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| M | | (2000.0) | | Williams | |
|----------|------------|----------|-----------|-------------|-------------|
| | | P | Q | | |
| <i>n</i> | 0.23648210 | ω | 58.48429 | -0.97155791 | -0.09889567 |
| <i>a</i> | 2.5898257 | Ω | 115.05933 | +0.03210442 | -0.95523774 |
| <i>e</i> | 0.3030998 | <i>i</i> | 13.74023 | +0.23461571 | -0.27881986 |
| <i>P</i> | 4.17 | <i>H</i> | 12.4 | <i>G</i> | 0.15 |
| | | | | <i>U</i> | 2 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------------|------|------------|------|------|------------|-------------|------|
| 860608 675 | 0.5- | 0.1+ | 900519 413 | 0.3+ | 0.1+ | 940310 675 | 0.0 | 0.0 |
| 860608 675 | 0.6+ | 0.8+ | 931111 801 | 0.2+ | 0.5- | 940609 675 | 0.3- | 0.7+ |
| 860609 675 | 0.4+ | 1.6+ | 931111 801 | 0.1+ | 0.5- | 940609 675 | 1.6- | 0.6+ |
| 900323 675 | 0.8- | 0.4+ | 931217 801 | 0.1- | 0.1- | 940611 675 | (2.5- 0.2-) | |
| 900323 675 | 0.4- | 0.4+ | 931217 801 | 0.2- | 0.4+ | 940611 675 | 0.5+ | 0.3+ |
| 900325 675 | 0.5- | 0.3+ | 940112 675 | 1.4+ | 0.5+ | 940703 675 | 0.9+ | 0.3- |
| 900325 675 | 0.2- | 0.5+ | 940112 675 | 0.4+ | 0.9+ | 940703 675 | 0.3+ | 0.2- |
| 900425 675 | 0.7+ | 1.8- | 940112 596 | 0.5+ | 0.6- | 950705 608 | 0.1- | 0.2+ |
| 900425 675 | (0.5+ 2.8-) | | 940112 596 | 0.4+ | 0.5- | 950705 608 | 0.0 | 0.1+ |
| 900428 675 | 0.2+ | 0.9- | 940112 596 | 0.1- | 0.7- | 950707 608 | 0.1+ | 0.4+ |
| 900428 675 | 0.6+ | 0.4- | 940112 596 | 0.5- | 0.4- | 950707 608 | 0.2+ | 0.5+ |
| 900429 413 | 0.9- | 1.4- | 940120 657 | 0.0 | 0.8+ | 950719 608 | 0.1+ | 0.2+ |
| 900429 413 | 1.4+ | 0.5+ | 940120 657 | 0.5- | 0.8+ | 950727 608 | 0.1- | 0.1+ |
| 900430 413 | 1.3- | 1.4- | 940120 657 | 0.2- | 1.2+ | 950727 608 | 0.3- | 0.0 |
| 900430 413 | (1.5+ 2.0+) | | 940309 675 | 0.2- | 0.3+ | 950728 608 | 0.0 | 0.3+ |
| 900519 413 | 0.5+ | 0.2+ | 940309 675 | 0.4- | 1.0+ | 950728 608 | 0.0 | 0.2+ |

(6519)* 1991 CX₂ = 1979 SB₁₅ = 1988 GE₁

Discovered 1991 Feb. 12 by E. W. Elst at Haute Provence.

Id. S. Nakano (*MPC* 20929)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| M | | (2000.0) | | Williams | | Nakano | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| | | P | Q | | | | |
| <i>n</i> | 0.30287129 | ω | 108.74590 | +0.08335734 | +0.99622735 | | |
| <i>a</i> | 2.1959914 | Ω | 165.97009 | -0.94769177 | +0.08673880 | | |
| <i>e</i> | 0.1559296 | <i>i</i> | 5.71420 | -0.30811016 | +0.00273023 | | |
| <i>P</i> | 3.25 | <i>H</i> | 14.1 | <i>G</i> | 0.15 | <i>U</i> | 1 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------------|------|------------|------|------|------------|------|------|
| 790920 675 | 0.4+ | 0.9- | 910309 809 | 0.2- | 1.2- | 950628 801 | 0.0 | 0.3+ |
| 790921 675 | 0.6+ | 0.9- | 910309 809 | 0.0 | 0.7- | 950628 801 | 0.2- | 0.1- |
| 880413 054 | 0.5- | 0.7+ | 910309 809 | 0.1- | 0.6- | 950630 801 | 0.0 | 0.1- |
| 880414 054 | 0.1+ | 1.5+ | 910314 809 | 0.5- | 1.0- | 950630 801 | 0.0 | 0.1- |
| 910210 675 | 0.4- | 0.0 | 910314 809 | 0.7- | 0.7- | 950720 552 | 0.4+ | 0.9- |
| 910210 675 | 0.1- | 0.5- | 910314 809 | 1.1- | 1.0- | 950720 552 | 0.1+ | 0.6- |
| 910212 511 | 1.1- | 1.2- | 920922 809 | 1.2+ | 0.4- | 950721 684 | 0.1+ | 0.4- |
| 910212 511 | (2.7- 1.1-) | | 920922 809 | 0.7+ | 0.5- | 950721 684 | 0.1+ | 0.7- |
| 910222 511 | (5.0- 2.9+) | | 920922 809 | 0.2- | 0.8- | 950730 801 | 0.5+ | 0.3- |
| 910307 809 | 0.4+ | 0.2+ | 920923 809 | 0.7- | 1.1+ | 950801 801 | 0.1+ | 0.4- |
| 910307 809 | 1.0+ | 0.3- | 920923 809 | 0.6- | 0.1+ | 950801 801 | 0.1- | 0.3- |
| 910307 809 | 1.9+ | 0.6- | 920923 809 | 1.1- | 0.3+ | | | |

(6520)* 1991 HH = 1970 RF = 1984 KU = 1990 BW₃

Discovered 1991 Apr. 16 by S. Otomo and O. Muramatsu at Kiyosato.

Id. G. V. Williams (*MPC* 18441), S. Nakano (*ibid.*)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| M | | (2000.0) | | Williams | | Nakano | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| | | P | Q | | | | |
| <i>n</i> | 0.27484391 | ω | 63.03550 | +0.50365542 | +0.86104240 | | |
| <i>a</i> | 2.3428544 | Ω | 237.38035 | -0.81925240 | +0.45023049 | | |
| <i>e</i> | 0.1964541 | <i>i</i> | 4.78540 | -0.27414728 | +0.23642860 | | |
| <i>P</i> | 3.59 | <i>H</i> | 14.2 | <i>G</i> | 0.15 | <i>U</i> | 2 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------------|------|--------------|------|------|------------|------|------|
| 700908 095 | 1.4+ | 0.7+ | 910510 894 | 1.5+ | 0.5+ | 950726 367 | 0.8- | 0.3- |
| 840525 071 | 1.6- | 0.9- | 910512 675 | 1.4- | 1.3- | 950726 367 | 0.2- | 0.1+ |
| 840525 071 | (5.0- 0.2+) | | 910512 675 | 1.6- | 0.8- | 950729 367 | 0.3+ | 0.5- |
| 840525 071 | 2.2- | 0.1- | 950620 104 | 0.5+ | 0.4+ | 950729 367 | 0.4+ | 0.7- |
| 880916 675 | 1.0- | 1.4- | 950620 104 | 0.3+ | 0.4+ | 950729 367 | 0.4+ | 0.5- |
| 900124 033 | 0.4- | 0.5- | 950620 104 | 0.1+ | 0.7+ | 950730 816 | 0.1+ | 0.1+ |
| 900124 033 | 0.3- | 0.1- | 950624 367 | 0.9+ | 0.5- | 950730 816 | 0.0 | 0.0 |
| 910416 894 | 1.2+ | 0.1+ | 950624 367 | 0.9+ | 0.0 | 950730 816 | 0.0 | 0.1+ |
| 910416 894 | 1.6+ | 0.2+ | 950624 894 | 1.1- | 0.9- | 950730 816 | 0.1- | 0.1+ |
| 910421 894 | 0.8+ | 0.8+ | Y 950624 894 | 1.0- | 0.2- | 950731 816 | 0.1+ | 0.3+ |
| 910421 894 | 1.2+ | 0.6+ | Y 950629 367 | 0.9+ | 0.7+ | 950731 816 | 0.1+ | 0.2+ |
| 910503 894 | 1.7+ | 0.7- | 950629 367 | 1.2+ | 0.6+ | 950731 816 | 0.0 | 0.3+ |
| 910509 675 | 1.1- | 0.4+ | 950724 894 | 0.8- | 0.7+ | 950731 816 | 0.0 | 0.3+ |
| 910509 675 | 0.9- | 0.1- | 950724 894 | 0.8- | 0.2- | | | |

(6521)* 1991 LC₁ = 1972 LQ = 1980 RL₅

Discovered 1991 June 15 by E. F. Helin at Palomar.

Id. G. V. Williams (*MPC* 18641)

| Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 | | | Williams | | | |
|---|------------|--------------------|---------------|-------------|----------|--|
| <i>M</i> | 43.93686 | (2000.0) | P | | Q | |
| <i>n</i> | 0.25973977 | ω 63.09586 | +0.07257671 | +0.99328923 | | |
| <i>a</i> | 2.4328225 | Ω 211.46716 | -0.96530443 | +0.04724918 | | |
| <i>e</i> | 0.2235901 | <i>i</i> 9.93365 | -0.25083854 | +0.10556520 | | |
| <i>P</i> | 3.79 | <i>H</i> 13.6 | <i>G</i> 0.15 | <i>U</i> 2 | | |

Residuals in seconds of arc

| | | |
|------------------------|------------------------|----------------------|
| 720606 095 (0.9- 6.5+) | 910809 675 0.9- 0.9- | 950705 608 0.3+ 0.7+ |
| 720610 095 0.9+ 2.4- | 910809 675 (2.2- 0.6-) | 950707 608 0.1+ 0.4+ |
| 800913 675 0.7- 0.6- | 910810 675 0.1+ 0.0 | 950707 608 0.0 0.3+ |
| 800914 675 1.2- 0.8- | 910810 675 1.5- 0.6- | 950728 608 0.2- 0.2+ |
| 881104 327 2.0+ 1.3- | 921127 372 1.0- 1.7+ | 950728 608 0.2- 0.1+ |
| 881104 327 1.8+ 1.0- | 921127 372 1.7- 0.2+ | 950730 816 0.2+ 0.1- |
| 910615 675 0.3+ 0.1+ | 950614 608 0.1+ 0.7+ | 950730 816 0.0 0.0 |
| 910615 675 0.1+ 0.2- | 950614 608 0.3+ 0.4+ | 950730 816 0.1+ 0.0 |
| 910617 675 0.2+ 0.7- | 950621 608 0.0 0.2+ | 950730 816 0.0 0.1- |
| 910617 675 0.6+ 0.4- | 950621 608 0.1+ 0.3+ | 950731 816 0.1- 0.2- |
| 910710 675 1.1+ 0.1+ | 950628 801 0.2+ 0.0 | 950731 816 0.0 0.2- |
| 910710 675 (5.6+ 1.5+) | 950629 801 0.1+ 0.0 | 950731 816 0.1- 0.1- |
| 910711 675 1.1- 1.3+ | 950629 801 0.0 0.2+ | 950802 608 0.1+ 0.1+ |
| 910711 675 0.9- 1.4+ | 950705 608 0.4+ 0.6+ | 950802 608 0.1- 0.1- |

(6522)* 1991 NQ = 1990 BH₄

Discovered 1991 July 9 by E. F. Helin at Palomar.
 Id. B. G. Marsden (*MPC* 18827)

| Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 | | | Marsden | | | |
|---|------------|--------------------|---------------|-------------|----------|--|
| <i>M</i> | 88.87929 | (2000.0) | P | | Q | |
| <i>n</i> | 0.26745329 | ω 313.78614 | -0.31737802 | +0.88460464 | | |
| <i>a</i> | 2.3858186 | Ω 294.77178 | -0.72551832 | -0.45852676 | | |
| <i>e</i> | 0.1974128 | <i>i</i> 22.10513 | -0.61065077 | +0.08501667 | | |
| <i>P</i> | 3.69 | <i>H</i> 12.6 | <i>G</i> 0.15 | <i>U</i> 1 | | |

Residuals in seconds of arc

| | | |
|------------------------|------------------------|----------------------|
| 900124 033 0.3+ 0.1+ | 940113 675 (1.2+ 3.0+) | 950713 608 0.2- 0.3+ |
| 900125 033 0.8+ 1.9+ | 940309 675 1.5+ 0.8- | 950713 608 0.1- 0.4+ |
| 910709 675 (2.6+ 1.1+) | 940309 675 0.9+ 0.0 | 950727 608 0.0 0.1+ |
| 910709 675 (2.2- 0.3+) | 940310 675 0.4- 0.4+ | 950727 608 0.1- 0.1+ |
| 910711 675 1.1+ 0.3+ | 940313 801 0.2- 0.0 | 950728 608 1.4- 0.6- |
| 910815 675 (3.4- 2.6-) | 940313 801 0.4- 1.0+ | 950728 608 1.1- 0.1+ |
| 910815 675 1.4- 1.0+ | 940321 801 0.4- 0.3+ | 950728 596 0.1+ 0.2- |
| 910816 675 1.1- 1.0+ | 940321 801 0.4- 0.4- | 950728 596 0.3+ 0.1+ |
| 910816 675 0.6- 0.9+ | 950707 608 1.6+ 0.7+ | 950728 596 0.0 0.0 |
| 940111 675 0.3+ 1.0+ | 950707 608 1.4+ 0.3+ | 950730 801 0.2- 0.4- |
| 940111 675 1.5+ 0.1+ | 950712 608 0.8- 0.1- | 950730 801 0.1- 0.2- |
| 940113 675 0.2- 0.7+ | 950712 608 (0.5+ 2.1-) | |

(6523)* 1991 TC

Discovered 1991 Oct. 1 by R. H. McNaught at Siding Spring.

| Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 | | | Williams | | | |
|---|------------|--------------------|---------------|-------------|----------|--|
| <i>M</i> | 4.51096 | (2000.0) | P | | Q | |
| <i>n</i> | 0.22924695 | ω 284.10388 | +0.17335755 | +0.98420623 | | |
| <i>a</i> | 2.6440338 | Ω 355.40203 | -0.63871206 | +0.08464476 | | |
| <i>e</i> | 0.4222233 | <i>i</i> 26.56534 | -0.74966264 | +0.15547787 | | |
| <i>P</i> | 4.30 | <i>H</i> 15.1 | <i>G</i> 0.15 | <i>U</i> 1 | | |

| Residuals in seconds of arc | | | | | | | | | |
|-----------------------------|------------------------|----------------------|--|--|--|--|--|--|--|
| 780823 413 0.1- 0.8+ | 950202 104 0.8+ 0.8- | 950412 608 0.5+ 0.3- | | | | | | | |
| 780823 413 0.6+ 0.8- | 950202 104 0.3+ 0.3- | 950416 413 0.1- 0.0 | | | | | | | |
| 780924 413 0.6- 0.1- | 950202 104 0.2- 0.1- | 950416 413 0.0 0.2- | | | | | | | |
| 780924 413 0.2+ 0.4- | 950202 104 0.5- 0.2+ | 950424 046 1.4+ 0.2+ | | | | | | | |
| 910930 413 0.1- 1.0+ | 950202 104 0.9- 0.5- | 950424 046 0.2- 0.9- | | | | | | | |
| 911001 413 1.6+ 0.5- | 950221 413 0.3- 0.3+ | 950429 689 0.2+ 0.6+ | | | | | | | |
| 911001 413 0.5+ 1.2- | 950221 413 0.2- 0.4+ | 950430 689 0.5+ 0.7+ | | | | | | | |
| 911002 413 0.5- 0.6- | 950307 413 0.0 0.1+ | 950602 413 0.7+ 0.1+ | | | | | | | |
| 911005 413 0.9- 0.7+ | 950307 413 0.3- 0.2+ | 950602 413 1.0+ 0.1+ | | | | | | | |
| 911012 413 0.2- 0.2+ | 950321 413 0.3- 0.7- | 950619 413 0.3- 1.0+ | | | | | | | |
| 911102 413 (1.1- 3.3+) | 950321 413 0.4- 0.4- | 950619 413 0.5- 0.9+ | | | | | | | |
| 911108 413 0.5+ 0.1+ | 950331 608 1.2- 0.4- | 950720 413 0.3- 0.3- | | | | | | | |
| 911108 413 0.6+ 0.2+ | 950331 608 0.1- 0.2+ | 950720 413 0.2- 0.4- | | | | | | | |
| 911126 413 0.3+ 0.7- | 950401 897 0.4+ 0.3- | 950806 413 0.4+ 0.7- | | | | | | | |
| 911126 413 0.4- 0.3- | 950401 897 1.0- 1.2+ | 950806 413 0.3+ 0.4- | | | | | | | |
| 950201 413 0.5- 0.2- | 950401 897 (2.1- 0.1-) | | | | | | | | |
| 950201 413 0.1+ 0.3- | 950412 608 0.0 0.7- | | | | | | | | |

(6524)* 1992 AO

Discovered 1992 Jan. 9 by E. F. Helin at Palomar.

| Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 | | | Williams | | | |
|---|------------|--------------------|---------------|-------------|----------|--|
| <i>M</i> | 65.17713 | (2000.0) | P | | Q | |
| <i>n</i> | 0.27326640 | ω 280.82081 | +0.61100436 | -0.73222890 | | |
| <i>a</i> | 2.3518623 | Ω 127.19290 | +0.78918227 | +0.59325973 | | |
| <i>e</i> | 0.0935228 | <i>i</i> 22.18963 | -0.06216926 | +0.33449027 | | |
| <i>P</i> | 3.61 | <i>H</i> 12.1 | <i>G</i> 0.15 | <i>U</i> 1 | | |

Residuals in seconds of arc

| | | |
|------------------------|------------------------|----------------------|
| 540729 675 0.6- 0.9+ | 930517 693 1.7+ 1.5+ | 930716 801 0.1- 0.1+ |
| 540729 675 0.3- 0.9- | 930517 693 0.4+ 0.3- | 930719 801 0.6- 0.5+ |
| 540731 675 0.6+ 1.0- | 930518 675 0.2+ 1.5- | 930719 801 0.2+ 0.4+ |
| 540731 675 0.1+ 1.0- | 930518 675 0.3+ 1.6- | 940809 801 0.5+ 1.2+ |
| 920109 675 (0.6- 2.5-) | 930520 675 (0.3- 2.6-) | 940809 801 0.2- 0.1- |
| 920109 675 0.9- 1.5- | 930618 801 0.2- 0.9- | 941013 608 0.1+ 0.3- |
| 920110 675 0.4- 1.5- | 930618 801 0.3- 0.4- | 941013 608 0.2+ 0.2- |
| 920130 675 0.2- 0.8+ | 930621 675 0.6- 0.7- | 941026 608 0.2- 0.6- |
| 920130 675 0.5+ 0.6- | 930621 675 1.4- 0.6- | 941026 608 0.8- 0.3- |
| 920131 675 1.0+ 0.1- | 930624 801 0.5- 0.1+ | 941026 608 0.0 0.7- |
| 920131 675 0.4+ 1.3- | 930624 801 0.1+ 0.6- | 941028 608 0.4+ 0.4- |
| 920201 675 0.2+ 0.0 | 930624 675 (0.5+ 2.6-) | 941028 608 0.6+ 1.1- |
| 930514 693 0.4- 1.2- | 930624 675 (0.6- 2.7-) | |
| 930514 693 0.8- 0.5+ | 930716 801 0.3+ 0.5+ | |

(6525)* 1992 SQ₂

Discovered 1992 Sept. 20 by J. B. Child and G. Fisch at the Ford Observatory, Wrightwood.

| Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 | | | Williams | | | |
|---|------------|--------------------|---------------|-------------|----------|--|
| <i>M</i> | 294.93709 | (2000.0) | P | | Q | |
| <i>n</i> | 0.25148038 | ω 142.34819 | +0.98018974 | -0.19340677 | | |
| <i>a</i> | 2.4858026 | Ω 228.85945 | +0.16514744 | +0.91706651 | | |
| <i>e</i> | 0.1028720 | <i>i</i> 3.24913 | +0.10933620 | +0.34868731 | | |
| <i>P</i> | 3.92 | <i>H</i> 13.3 | <i>G</i> 0.15 | <i>U</i> 2 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|-------|-------|
| 900415 675 | 0.1+ | 0.2+ | 921128 674 | 0.5+ | 0.4- | 940311 675 | (1.2+ | 2.2+) |
| 920920 674 | 0.1- | 1.0+ | 921128 674 | 0.1+ | 0.1+ | 940405 671 | 0.5- | 0.2+ |
| 920920 674 | 0.1+ | 0.4+ | 921128 674 | 0.7+ | 1.0- | 940405 671 | 0.2+ | 0.2- |
| 920920 674 | 0.8+ | 0.3- | 921201 670 | 0.2- | 1.6- | 940405 671 | 1.2- | 0.0 |
| 920925 675 | 0.5- | 0.2- | 921201 670 | 0.8- | 0.7- | 950609 608 | 0.0 | 1.2- |
| 920929 674 | (0.7+ | 2.6+) | 921202 674 | 0.2- | 0.4- | 950609 608 | 0.0 | 1.3- |
| 920929 674 | (1.5+ | 2.2+) | 921202 674 | 0.4- | 0.3- | 950625 671 | 0.1+ | 0.8- |
| 920929 674 | 0.1- | 0.4+ | 921202 674 | (2.2- | 0.8-) | 950625 671 | 0.1- | 1.0+ |
| 920929 674 | 0.1- | 0.1+ | 940213 671 | 0.2- | 0.8+ | 950625 671 | 1.3+ | 0.3+ |
| 920929 674 | 1.6+ | 1.1+ | 940213 671 | 0.4- | 0.2+ | 950625 671 | 0.1- | 0.6- |
| 921018 674 | 0.1- | 0.7+ | 940213 671 | 0.6+ | 0.3- | 950707 608 | 0.7- | 0.3+ |
| 921018 674 | 0.4- | 0.2- | 940309 675 | 0.1+ | 1.0+ | 950707 608 | 0.5- | 0.5+ |
| 921018 674 | 0.2- | 0.0 | 940309 675 | 0.1- | 0.3- | | | |
| 921018 674 | 0.1- | 0.3- | 940311 675 | 1.2+ | 1.8- | | | |

(6526)* 1992 TY = 1962 PB = 1982 TB₃ = 1991 FR₄

Discovered 1992 Oct. 1 by K. Endate and K. Watanabe at Kitami.

Id. S. Nakano (*MPC* 21119)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | Nakano | |
|----------|------------|--------------------|--------------------------|
| <i>M</i> | 26.28651 | (2000.0) | |
| | | P | Q |
| <i>n</i> | 0.29887205 | <i>ω</i> 166.40058 | +0.50492528 +0.86076402 |
| <i>a</i> | 2.2155379 | <i>Ω</i> 133.88096 | -0.80004769 +0.49467009 |
| <i>e</i> | 0.1794250 | <i>i</i> 5.11888 | -0.32399717 +0.11994504 |
| <i>P</i> | 3.30 | <i>H</i> 13.7 | <i>G</i> 0.15 <i>U</i> 1 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 620801 760 | (3.1- | 2.8+) | 921001 400 | 0.7+ | 1.0+ | 950624 367 | 0.7+ | 0.0 |
| 821014 095 | (0.1+ | 4.6+) | 921003 675 | 0.3+ | 1.2- | 950629 801 | 0.4+ | 0.5- |
| 821015 095 | 0.2+ | 0.5+ | 921003 675 | 0.8+ | 0.4- | 950629 801 | 0.2+ | 0.7- |
| 840125 675 | 0.5+ | 0.0 | 921019 400 | 1.7- | 0.3+ | 950629 367 | 0.1+ | 0.8- |
| 840126 675 | 0.0 | 0.1- | 921019 400 | 0.1+ | 0.3- | 950629 367 | 0.4- | 0.6- |
| 910213 675 | 1.7- | 0.6- | 921026 400 | 0.2+ | 0.1+ | 950630 801 | 0.7+ | 0.4- |
| 910213 675 | 1.0- | 0.4- | 921026 400 | 0.2- | 0.0 | 950630 801 | 0.2+ | 0.4- |
| 910316 046 | (1.6+ | 3.3-) | 921126 675 | 0.5+ | 1.0- | 950721 397 | 1.4+ | 0.9+ |
| 910316 046 | (2.9+ | 4.7-) | 921126 675 | 0.3- | 0.3+ | 950721 397 | 0.2- | 0.2- |
| 920928 400 | (3.0- | 3.8+) | 921128 675 | 0.2+ | 0.2- | 950726 367 | 0.3- | 0.2- |
| 920928 400 | 1.8+ | 1.4- | 921128 675 | 0.1+ | 0.5- | 950726 367 | 0.3- | 0.4+ |
| 920930 675 | 0.4- | 0.0 | 940212 675 | 0.3+ | 0.4- | 950731 367 | 0.3- | 0.3+ |
| 920930 675 | 0.5+ | 0.2- | 940212 675 | 0.5+ | 1.4- | 950731 367 | 0.4- | 0.0 |
| 921001 675 | 1.4- | 0.1- | 940215 675 | 0.2+ | 0.5- | 950731 367 | 0.4- | 0.3+ |
| 921001 675 | 1.6- | 0.3- | 940215 675 | 0.7+ | 0.9+ | | | |
| 921001 400 | 0.4+ | 0.9+ | 950624 367 | 0.2- | 0.1+ | | | |

(6527)* 1992 UF₆ = 1958 UH = 1968 QP = 1980 BC₃ = 1985 TF

= 1990 CA = 1990 CZ

Discovered 1992 Oct. 31 by A. Natori and T. Urata at the JCPM Yakiimo

Station.

Id. T. Urata (*MPC* 21592), G. V. Williams (d, *ibid.*)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | Nakano | |
|----------|------------|--------------------|--------------------------|
| <i>M</i> | 323.71263 | (2000.0) | |
| | | P | Q |
| <i>n</i> | 0.29064129 | <i>ω</i> 107.22267 | +0.83034557 -0.55181069 |
| <i>a</i> | 2.2571713 | <i>Ω</i> 286.33270 | +0.47557579 +0.77436731 |
| <i>e</i> | 0.1494332 | <i>i</i> 4.64183 | +0.29043744 +0.30961302 |
| <i>P</i> | 3.39 | <i>H</i> 13.3 | <i>G</i> 0.15 <i>U</i> 1 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 581016 760 | 0.9+ | 0.3+ | 900201 402 | 0.6+ | 1.3+ | 921215 885 | 0.6+ | 0.9+ |
| 581016 760 | 1.3- | 0.6- | 900201 402 | 1.1+ | 0.8+ | 921216 885 | 0.7+ | 0.3- |
| 680827 095 | 0.7+ | 0.2- | 900202 402 | (3.3- | 0.2-) | 921216 885 | 0.3- | 0.3- |
| 800124 095 | 2.4+ | 1.5- | 900202 402 | 0.6- | 1.7+ | 950701 801 | 1.0+ | 0.1+ |
| 851015 688 | 0.2- | 0.1- | 900214 399 | 1.2- | 1.4+ | 950701 801 | 0.6+ | 0.2+ |
| 851015 688 | 0.8- | 0.1- | 900214 399 | 0.8- | 1.0+ | 950730 816 | 0.4- | 0.1+ |
| 900121 399 | 0.0 | 0.0 | 921031 885 | 0.0 | 0.5- | 950730 816 | 0.2- | 0.5+ |
| 900121 399 | 1.0- | 1.4- | 921031 885 | 1.4+ | 0.6- | 950730 816 | 0.1- | 0.1+ |
| 900121 399 | 0.8- | 2.2- | 921101 885 | 0.3+ | 1.0+ | 950731 816 | 0.4- | 0.2+ |
| 900129 046 | (6.9- | 0.2-) | 921101 885 | 0.1- | 0.8+ | 950731 816 | 0.3- | 0.1+ |
| 900129 046 | (7.8- | 1.1+) | 921126 385 | 1.4- | 0.6- | 950731 816 | 0.4- | 0.1+ |
| 900130 046 | (8.6- | 2.4+) | 921126 385 | (3.2- | 0.4-) | 950731 816 | 0.3- | 0.1+ |
| 900130 046 | (8.6- | 5.1+) | 921215 885 | 0.8+ | 0.3+ | | | |

(6528)* 1993 FL₂₄ = 1977 RY₃ = 1989 AX₅ = 1994 PR

Discovered 1993 Mar. 21 at the European Southern Observatory in the course of Uppsala-ESO Survey of Asteroids and Comets.

Id. T. Kobayashi (*MPC* 23980)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | Williams | |
|----------|------------|--------------------|--------------------------|
| <i>M</i> | 109.40213 | (2000.0) | |
| | | P | Q |
| <i>n</i> | 0.29129998 | <i>ω</i> 4.49984 | +0.99602691 +0.08860609 |
| <i>a</i> | 2.2537673 | <i>Ω</i> 350.40308 | -0.08328121 +0.89137726 |
| <i>e</i> | 0.1739729 | <i>i</i> 3.06287 | -0.03153774 +0.44451719 |
| <i>P</i> | 3.38 | <i>H</i> 13.6 | <i>G</i> 0.15 <i>U</i> 2 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 541222 675 | 0.0 | 0.9+ | 890110 413 | 1.3+ | 0.2- | 940815 411 | 0.1+ | 0.4+ |
| 541222 675 | 0.8- | 0.3- | 930321 809 | 1.1- | 1.5+ | 940817 411 | 0.3- | 0.2+ |
| 560508 675 | 0.5+ | 0.2- | 930322 809 | 0.4- | 0.7+ | 940817 411 | 0.4- | 0.4+ |
| 770907 095 | 0.5+ | 1.1- | 930326 809 | 0.2+ | 1.8- | 941006 033 | 0.3+ | 0.9- |
| 770912 095 | 0.5+ | 0.3- | 940814 411 | 0.3- | 0.4+ | 941008 801 | 0.5- | 0.0 |
| 890104 413 | (4.2- | 1.5+) | 940814 411 | 0.1- | 0.6+ | 941008 801 | 0.2+ | 0.0 |
| 890104 413 | 1.3+ | 1.1+ | 940815 411 | 0.1- | 0.9+ | 941010 033 | 0.0 | 0.6- |
| 890110 413 | 0.9- | 1.3- | 940815 411 | 0.1- | 0.0 | 941010 033 | 0.2+ | 0.0 |

(6529)* 1993 XR₂ = 1953 UH₁ = 1989 UO₄

Discovered 1993 Dec. 14 at Palomar in the course of the Planet-Crossing Asteroid Survey.

Id. G. V. Williams (*MPC* 23127)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | Williams | |
|----------|------------|--------------------|--------------------------|
| <i>M</i> | 168.24797 | (2000.0) | |
| | | P | Q |
| <i>n</i> | 0.27436374 | <i>ω</i> 267.38803 | -0.43261870 -0.89996032 |
| <i>a</i> | 2.3455871 | <i>Ω</i> 208.44074 | +0.86566295 -0.39791410 |
| <i>e</i> | 0.1311709 | <i>i</i> 6.50659 | +0.25192999 -0.17814539 |
| <i>P</i> | 3.59 | <i>H</i> 13.3 | <i>G</i> 0.15 <i>U</i> 2 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|-------|-------|
| 531031 675 | 0.0 | 0.9- | 910415 675 | 0.2+ | 0.4+ | 950530 689 | 0.2+ | 1.3+ |
| 531031 675 | 0.3+ | 0.1- | 931214 675 | 0.6+ | 0.8+ | 950531 689 | 0.4+ | 0.4- |
| 891022 046 | 2.0+ | 0.1+ | 931214 675 | 0.5+ | 0.5- | 950602 689 | 0.1+ | 0.4- |
| 891022 046 | 1.6- | 0.3+ | 931216 675 | 0.9+ | 0.9- | 950629 801 | 0.2+ | 1.0- |
| 891023 046 | 0.6- | 0.9+ | 931216 675 | 0.1- | 0.1- | 950629 801 | 0.1+ | 0.3- |
| 891023 046 | (4.2+ | 5.3+) | 940111 675 | 0.3- | 0.4+ | 950707 608 | (2.6+ | 1.1+) |
| 891024 046 | (0.8- | 5.0+) | 940111 675 | 1.4- | 0.4+ | 950707 608 | 0.9- | 0.7+ |

891024 046 (0.4- 3.8+) 950528 801 0.1- 0.1-
 910415 675 0.0 0.6- 950528 801 0.3- 0.8+

(6530)* 1994 GW = 1977 KB₂ = 1978 TG₇ = 1987 WA₄ = 1989 CG₉

Discovered 1994 Apr. 12 by V. S. Casulli at Colleverde di Guidonia.

Id. G. V. Williams (*MPC* 23531)

| Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 | | Williams | | | | | | | |
|---|------------|----------|-----------|-------------|-------------|----------|---|--|--|
| <i>M</i> | 52.55295 | (2000.0) | | P | | Q | | | |
| <i>n</i> | 0.22764162 | ω | 223.87452 | +0.29705766 | +0.92948522 | | | | |
| <i>a</i> | 2.6564497 | Ω | 64.52787 | -0.79564688 | +0.36755902 | | | | |
| <i>e</i> | 0.1641079 | <i>i</i> | 14.01689 | -0.52792308 | -0.03094481 | | | | |
| <i>P</i> | 4.33 | <i>H</i> | 12.8 | <i>G</i> | 0.15 | <i>U</i> | 1 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------|-------|------------|-------|------|
| 770518 675 | 0.1- | 0.8- | 940414 596 | 1.0- | 0.9+ | 940529 587 | (3.4- | 2.3- |
| 770519 675 | 0.9- | 0.9- | 940420 596 | (2.4- | 0.9+) | 940531 595 | 0.5- | 0.2- |
| 781002 095 | 0.7- | 1.2+ | 940420 596 | 0.6- | 0.3+ | 940531 595 | 1.0- | 1.3- |
| 871124 688 | 0.8- | 0.4+ | 940420 596 | 0.0 | 0.4- | 940531 595 | 0.4- | 0.9- |
| 871124 688 | 1.3+ | 0.6+ | 940420 596 | 0.8+ | 0.7- | 950625 596 | 0.1+ | 0.2+ |
| 890202 675 | 1.1- | 0.5- | 940430 596 | 0.3- | 0.6- | 950625 596 | 0.1+ | 0.3+ |
| 890202 675 | 0.1- | 1.7- | 940430 596 | 0.4+ | 0.8- | 950625 596 | 0.0 | 0.4+ |
| 940412 596 | 1.0- | 0.7- | 940430 596 | (2.4+ | 0.6-) | 950625 596 | 0.0 | 0.4+ |
| 940412 596 | 1.4+ | 0.5+ | 940501 596 | 1.5+ | 0.6+ | 950630 596 | 0.5+ | 0.0 |
| 940412 596 | 1.4+ | 0.9+ | 940501 596 | 0.3+ | 0.3+ | 950630 596 | 1.1+ | 0.0 |
| 940412 596 | 0.7+ | 0.9+ | 940501 596 | 1.3+ | 0.0 | 950630 596 | 0.9+ | 0.1+ |
| 940414 596 | 0.0 | 0.9+ | 940504 596 | 0.7+ | 2.0+ | 950730 596 | 1.1- | 0.3- |
| 940414 596 | 0.0 | 1.3+ | 940504 596 | (0.5- | 2.9+) | 950730 596 | 1.1- | 0.4- |
| 940414 596 | 0.5- | 1.0+ | 940529 587 | 0.5- | 0.2- | 950730 596 | 1.0- | 0.4- |

(6531)* 1994 YY = 1979 HK = 1982 VJ₇ = 1988 XD = 1990 FW₄

Discovered 1994 Dec. 28 by T. Kobayashi at Oizumi.

Id. T. Kobayashi (*MPC* 24752), K. Kinoshita (*ibid.*)

| Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 | | Nakano | | | | | | | |
|---|------------|----------|----------|-------------|-------------|----------|---|--|--|
| <i>M</i> | 44.69202 | (2000.0) | | P | | Q | | | |
| <i>n</i> | 0.17246610 | ω | 32.07248 | -0.36765668 | -0.92902219 | | | | |
| <i>a</i> | 3.1964425 | Ω | 79.52776 | +0.84399580 | -0.35220319 | | | | |
| <i>e</i> | 0.1691374 | <i>i</i> | 2.43563 | +0.39051204 | -0.11344900 | | | | |
| <i>P</i> | 5.71 | <i>H</i> | 12.5 | <i>G</i> | 0.15 | <i>U</i> | 1 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------|-------|------------|------|------|
| 541123 675 | 0.1- | 0.1+ | 881203 400 | 1.2+ | 1.8- | 941228 411 | 0.0 | 0.3- |
| 790419 807 | 2.4+ | 0.3+ | 881203 400 | 1.1+ | 0.4- | 941229 411 | 0.4- | 0.9+ |
| 790426 807 | 0.0 | 0.2+ | 881210 400 | 0.1+ | 0.6- | 941229 411 | 0.2- | 0.9+ |
| 790426 807 | 1.2- | 0.3+ | 881210 400 | (3.4+ | 0.5+) | 950106 411 | 0.4- | 0.5+ |
| 821109 095 | 0.6- | 2.0- | 900327 675 | 0.5- | 1.4- | 950106 411 | 0.6- | 0.9+ |
| 881202 400 | 0.6- | 1.4+ | 900327 675 | 1.6- | 1.6- | 950119 411 | 0.4- | 0.1+ |
| 881202 400 | 0.1- | 0.6+ | 941225 399 | (3.5- | 1.6+) | 950119 411 | 0.3- | 0.7+ |
| 881202 400 | 0.6- | 0.3+ | 941225 399 | (3.4- | 0.9+) | 950201 411 | 0.5+ | 0.1+ |
| 881203 400 | 1.1+ | 0.8- | 941228 411 | 0.7+ | 0.6- | 950201 411 | 0.5+ | 0.2+ |

(6532)* 1995 AC = 1987 RB₃ = 1987 SO₂₂ = 1992 ON₁₀ = 1993 TA₄₀

Discovered 1995 Jan. 4 by D. D. Balam at the Climenhaga Observatory,

Victoria.

Id. G. V. Williams (*MPC* 24754)

| Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 | | Williams | | | | | | | |
|---|------------|----------|-----------|-------------|-------------|----------|---|--|--|
| <i>M</i> | 161.91910 | (2000.0) | | P | | Q | | | |
| <i>n</i> | 0.17438026 | ω | 237.10441 | +0.93850919 | +0.33430625 | | | | |
| <i>a</i> | 3.1730080 | Ω | 103.23876 | -0.27972657 | +0.88270910 | | | | |
| <i>e</i> | 0.1059307 | <i>i</i> | 5.08361 | -0.20236982 | +0.33024835 | | | | |
| <i>P</i> | 5.65 | <i>H</i> | 12.2 | <i>G</i> | 0.15 | <i>U</i> | 1 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 840125 675 | 0.6+ | 0.1+ | 931011 809 | 1.2- | 0.7- | 950106 657 | 0.2- | 0.4- |
| 840126 675 | 0.2+ | 0.2- | 931021 809 | 1.6+ | 1.9+ | 950106 657 | 0.0 | 0.1- |
| 870902 095 | 0.5- | 1.2- | 931021 809 | (0.9+ | 2.5+) | 950106 657 | 0.1+ | 0.2+ |
| 870920 095 | (3.1+ | 5.6-) | 931021 809 | 0.2+ | 1.9+ | 950112 413 | 0.3- | 0.1+ |
| 890109 675 | 0.6+ | 0.3- | 941201 675 | (1.0- | 2.2-) | 950112 413 | 0.1+ | 0.2+ |
| 890109 675 | 1.0+ | 0.2- | 941201 675 | 0.5+ | 0.8- | 950113 413 | 0.7- | 0.1- |
| 890110 675 | 0.9- | 1.4- | 950104 657 | 0.4+ | 0.3- | 950113 413 | 0.3- | 0.2- |
| 890110 675 | 0.5- | 0.5- | 950104 657 | 0.1+ | 0.2+ | 950113 413 | 0.4- | 0.1- |
| 920720 809 | 0.6- | 0.3- | 950104 657 | 0.3+ | 0.5+ | 950113 104 | 0.4+ | 0.7- |
| 920720 809 | 0.2+ | 0.1+ | 950105 657 | 0.2+ | 1.0+ | 950113 104 | 0.3+ | 0.6- |
| 920720 809 | 0.6+ | 0.1+ | 950105 657 | (0.6+ | 2.3+) | 950113 104 | 0.3- | 0.3- |
| 931011 809 | 0.6+ | 0.5- | 950105 657 | 0.4- | 1.7+ | 950113 104 | 0.4- | 0.6+ |
| 931011 809 | 0.9- | 0.6- | 950106 657 | 0.3- | 0.2+ | | | |

(6533)* 1995 DM₁ = 1976 UO₅ = 1993 VD₅

Discovered 1995 Feb. 24 by C. W. Hergenrother at the University of Arizona's

Catalina Station.

Id. B. G. Marsden (*MPC* 25221)

| Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 | | Marsden | | | | | | | |
|---|------------|----------|----------|-------------|-------------|----------|---|--|--|
| <i>M</i> | 107.41564 | (2000.0) | | P | | Q | | | |
| <i>n</i> | 0.23005066 | ω | 43.00673 | +0.01417690 | -0.95714003 | | | | |
| <i>a</i> | 2.6378721 | Ω | 48.45429 | +0.78005969 | -0.17040589 | | | | |
| <i>e</i> | 0.0378813 | <i>i</i> | 22.73784 | +0.62554448 | +0.23418965 | | | | |
| <i>P</i> | 4.28 | <i>H</i> | 13.5 | <i>G</i> | 0.15 | <i>U</i> | 1 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 761030 095 | (7.2+ | 1.6+) | 910420 675 | 1.2+ | 1.0+ | 950301 657 | 0.3+ | 0.1+ |
| 860112 675 | 0.1+ | 2.5+ | 910420 675 | 1.6+ | 0.4+ | 950301 657 | 0.2+ | 0.1- |
| 860112 675 | 0.9- | 0.5- | 931111 033 | 0.9- | 0.6+ | 950301 657 | 0.2+ | 0.4- |
| 870422 675 | 0.4- | 0.7- | 931111 033 | 0.4+ | 0.1+ | 950302 657 | 0.1+ | 0.0 |
| 870422 675 | 0.1- | 0.5+ | 931112 033 | 0.7+ | 0.4- | 950302 657 | 0.3+ | 0.2- |
| 870531 675 | 0.4- | 0.4+ | 931119 675 | 0.6+ | 0.6- | 950302 657 | 0.3+ | 0.0 |
| 870531 675 | 1.0- | 1.0- | 931119 675 | 0.1+ | 0.6- | 950322 608 | 0.3- | 0.0 |
| 891104 675 | 0.4+ | 0.5- | 950224 693 | 0.5- | 0.7- | 950322 608 | 0.4- | 0.2- |
| 891104 675 | 0.3+ | 0.2- | 950224 693 | 0.2- | 0.8- | 950402 693 | 0.6- | 0.2- |
| 910415 675 | 0.1- | 0.4- | 950226 693 | 0.9- | 0.5+ | 950402 693 | 0.7- | 0.2- |
| 910415 675 | 0.1- | 0.5- | 950301 657 | 0.2- | 0.2- | | | |

(6534)* 1995 DT₁ = 1990 KQ₁

Discovered 1995 Feb. 24 by T. B. Spahr at the University of Arizona's

Catalina Station.

Id. G. V. Williams (*MPC* 25432)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | | Williams | | | | |
|---|------------|-------------------|-------------|-------------|--|--|--|
| M | 59.49211 | (2000.0) | P | Q | | | |
| n | 0.17487926 | ω 46.39763 | -0.49563322 | -0.77719782 | | | |
| a | 3.1669692 | Ω 77.23284 | +0.63731328 | -0.62870927 | | | |
| e | 0.1153132 | i 23.42376 | +0.59006736 | +0.02623380 | | | |
| P | 5.64 | H 12.7 | G 0.15 | U 1 | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 890110 675 | 0.2+ | 0.7- | 931211 675 | 0.7+ | 0.1- | 950322 608 | 0.9+ | 0.3+ |
| 890110 675 | 0.5- | 0.6- | 950224 693 | 0.5+ | 0.7- | 950402 693 | 0.5+ | 0.5+ |
| 890131 675 | 0.5+ | 1.4- | 950224 693 | 1.3- | 1.2+ | 950402 693 | 0.5+ | 0.4+ |
| 890131 675 | 0.4- | 1.8- | 950226 693 | 1.7- | 1.1+ | 950402 693 | 0.5+ | 0.5+ |
| 890201 675 | 0.2+ | 0.8+ | 950226 693 | 0.6+ | 1.7+ | 950519 658 | 0.5- | 0.4- |
| 890201 675 | 0.7+ | 0.9+ | 950301 657 | 0.5+ | 0.3+ | 950519 658 | 0.6- | 0.3- |
| 900520 033 | 0.4- | 0.2+ | 950301 657 | 0.6+ | 0.2+ | 950519 658 | 0.7- | 0.3- |
| 900520 033 | 0.6+ | 0.2- | 950301 657 | 0.2+ | 0.2+ | 950522 658 | 0.6- | 0.2- |
| 900524 675 | 1.2- | 0.3- | 950301 657 | 1.1+ | 0.5- | 950522 658 | 0.7- | 0.2- |
| 900524 675 | 0.3- | 1.6- | 950302 657 | 0.4+ | 0.1- | 950523 658 | 0.9- | 0.3- |
| 931116 675 | (0.4- | 2.7-) | 950302 657 | 0.2+ | 0.6- | 950523 658 | 0.9- | 0.3- |
| 931116 675 | 1.0- | 1.5- | 950302 657 | 0.5+ | 0.4+ | | | |
| 931211 675 | 0.7+ | 1.2+ | 950322 608 | 0.4+ | 0.1- | | | |

(6535)* 3535 P-L = 1981 AB₄ = 1990 QW₂

Discovered 1960 Oct. 17 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Id. R. Nagata (*MPC* 17461)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | | Williams | | | | |
|---|------------|--------------------|-------------|-------------|--|--|--|
| M | 206.79779 | (2000.0) | P | Q | | | |
| n | 0.26165920 | ω 272.85465 | -0.30446685 | +0.94946948 | | | |
| a | 2.4209104 | Ω 338.92780 | -0.76785958 | -0.29199635 | | | |
| e | 0.1786876 | i 12.23706 | -0.56364138 | -0.11509053 | | | |
| P | 3.77 | H 12.7 | G 0.15 | U 1 | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------------|------|------------|-------------|------|
| 510204 675 | 0.5+ | 0.3- | 601024 675 | 0.5- | 0.1- | 900915 675 | 0.7+ | 0.5- |
| 510204 675 | 0.9- | 0.8- | 601026 675 | 0.2- | 0.5+ | 900920 675 | 0.5+ | 0.2- |
| 550324 675 | 0.0 | 0.2+ | 810108 381 | 1.0- | 0.1+ | 900920 675 | (2.1+ 1.8+) | |
| 550324 675 | 0.1- | 0.5- | 810108 381 | 0.4+ | 0.8- | 900922 095 | (2.1- 2.2+) | |
| 600926 675 | 0.3- | 0.8- | 900824 675 | 0.9+ | 1.4- | 900922 095 | 0.1+ 1.8+ | |
| 600928 675 | 0.1- | 1.4+ | 900824 675 | 1.4+ | 1.8- | 941005 801 | 0.0 0.1- | |
| 600929 675 | 0.9- | 0.2+ | 900829 675 | (0.8+ 2.3-) | | 941005 801 | 0.2- 0.4- | |
| 601017 675 | 0.2+ | 0.6- | 900829 675 | (5.5+ 2.2-) | | 941007 801 | 0.0 0.0 | |
| 601017 675 | 0.7- | 0.9+ | 900829 095 | (2.2+ 1.4-) | | 941007 801 | 0.0 0.4+ | |
| 601022 675 | 0.5- | 0.1+ | 900829 095 | 1.2- | 1.3- | 941108 801 | 0.1- 0.0 | |
| 601024 675 | 1.0+ | 1.2+ | 900915 675 | 0.6+ | 0.2- | 941108 801 | 0.2+ 0.0 | |

1929 PK = 1977 AZ = 1979 SO₄ = 1989 TH₉ = 1995 KW₂

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 (M-c) Kobayashi

| | | | Williams | | | | |
|---|------------|--------------------|-------------|-------------|--|--|--|
| M | 288.48034 | (2000.0) | P | Q | | | |
| n | 0.29658404 | ω 226.25892 | +0.94453150 | -0.32653190 | | | |
| a | 2.2269179 | Ω 152.74281 | +0.31905979 | +0.88694365 | | | |
| e | 0.2181892 | i 4.40466 | +0.07785305 | +0.32666171 | | | |
| P | 3.32 | H 14.9 | G 0.15 | U 2 | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|-------------|------|
| 290812 662 | 0.1- | 0.1+ | 770113 095 | 0.1+ | 1.6- | 950522 010 | 1.0- | 0.4+ |
| 290812 662 | 0.3+ | 0.2+ | 790924 095 | 2.1+ | 2.1+ | 950522 010 | 0.5+ | 1.1- |
| 290813 662 | 0.5- | 0.9- | 891007 809 | 0.5- | 0.2- | 950523 010 | (5.1- 1.9+) | |
| 290815 662 | 0.8+ | 0.8- | 891007 809 | 0.3- | 1.3- | 950523 010 | (3.0- 1.3+) | |
| 290827 662 | 1.4- | 0.3- | 891007 809 | 1.0- | 0.3- | 950523 010 | (5.9- 1.7+) | |
| 290827 662 | 0.5+ | 0.5+ | 950522 010 | 0.4+ | 0.4- | | | |

1971 SX₃ = 1971 TA₁ = 1986 GD₁ = 1990 FU₃ = 1991 PJ₁₀ = 1995 KF₂Id. B. G. Marsden (d, *MPC* 9064), H. Oishi (*JAM* 2075), K. Kinoshita

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 (M-c) Kinoshita

| | | | Williams | | | | |
|---|------------|--------------------|-------------|-------------|--|--|--|
| M | 164.42657 | (2000.0) | P | Q | | | |
| n | 0.23402784 | ω 285.31814 | -0.46158570 | -0.88583786 | | | |
| a | 2.6079006 | Ω 192.49672 | +0.87437703 | -0.44534093 | | | |
| e | 0.1072952 | i 12.60530 | +0.14967784 | -0.13024110 | | | |
| P | 4.21 | H 12.3 | G 0.15 | U 2 | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 710926 805 | 1.5+ | 0.6+ | 860415 046 | 0.8- | 0.3- | 910816 675 | 0.1- | 1.7- |
| 710927 805 | 0.3- | 0.7+ | 900330 095 | 1.0- | 0.8- | 950528 675 | 1.2+ | 1.1+ |
| 711011 095 | 1.2- | 0.1+ | 900330 095 | 0.4+ | 1.9- | 950529 675 | 0.4+ | 1.9+ |
| 860414 046 | 0.3- | 0.4- | 910815 675 | 0.3+ | 1.1- | 950529 675 | 0.2- | 0.8+ |
| 860414 046 | 0.3+ | 1.1+ | 910815 675 | 0.1- | 0.8- | 950531 675 | 1.4- | 0.9+ |
| 860415 046 | 1.1+ | 1.4+ | 910816 675 | 0.8- | 2.7- | 950531 675 | 1.0+ | 0.3+ |

1975 SP₁ = 1995 NC

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | | Williams | | | | |
|---|------------|--------------------|-------------|-------------|--|--|--|
| M | 320.76969 | (2000.0) | P | Q | | | |
| n | 0.23710392 | ω 140.93029 | +0.92225887 | +0.38380507 | | | |
| a | 2.5852957 | Ω 196.68012 | -0.38258868 | +0.88911308 | | | |
| e | 0.1984768 | i 9.25781 | -0.05535771 | +0.24934232 | | | |
| P | 4.16 | H 16.0 | G 0.15 | U 5 | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|-----|
| 750930 675 | 0.2+ | 0.4- | 950701 691 | 0.0 | 0.2+ | 950705 691 | 0.3- | 0.0 |
| 751001 675 | 0.5- | 0.5- | 950701 691 | 0.6+ | 0.1+ | 950705 691 | 0.3- | 0.0 |
| 751002 675 | 0.8+ | 1.2+ | 950701 691 | 0.1+ | 0.1- | | | |
| 751016 675 | 0.4- | 0.3- | 950705 691 | 0.2- | 0.2- | | | |

1978 NY = 1984 BS₃ = 1986 VP₂ = 1995 DQ₉

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 (M-c) Kinoshita

| | | | Williams | | | | |
|---|------------|--------------------|-------------|-------------|--|--|--|
| M | 191.93103 | (2000.0) | P | Q | | | |
| n | 0.27545690 | ω 74.19811 | +0.94855803 | -0.30466545 | | | |
| a | 2.3393773 | Ω 303.46692 | +0.23629728 | +0.86230125 | | | |
| e | 0.1236388 | i 5.92554 | +0.21071607 | +0.40449414 | | | |
| P | 3.58 | H 14.2 | G 0.15 | U 2 | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 780709 809 | 0.2- | 0.6- | 861104 010 | 1.0- | 0.2- | 950225 691 | 0.3- | 0.4- |
| 780710 809 | 0.3- | 0.1- | 861104 010 | 0.4+ | 1.1- | 950226 691 | 0.2- | 0.5- |
| 780711 809 | 0.2+ | 1.3- | 861104 010 | 1.4+ | 0.9- | 950226 691 | 0.0 | 0.3- |
| 840125 675 | 0.3+ | 0.3+ | 950225 691 | 0.3- | 0.3- | 950226 691 | 0.2- | 0.3- |
| 840126 675 | 0.0 | 0.3+ | 950225 691 | 0.2- | 0.4- | | | |

1978 OB = 1995 OP

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | Williams | |
|----------|------------|--------------------|--------------------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>n</i> | 17.14900 | | |
| <i>a</i> | 0.28972684 | ω 200.18795 | +0.70795155 +0.69872253 |
| <i>e</i> | 2.2619182 | Ω 115.04496 | -0.63138923 +0.69143972 |
| <i>P</i> | 0.2322630 | <i>i</i> 6.52262 | -0.31646840 +0.18357001 |
| | 3.40 | <i>H</i> 15.0 | <i>G</i> 0.15 <i>U</i> 6 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 780728 414 | 0.0 | 1.2+ | 780730 414 | 0.4+ | 0.7+ | 950725 372 | 0.6+ | 1.3- |
| 780728 414 | 0.3- | 0.2+ | 780802 414 | 0.3- | 0.4- | 950725 372 | 0.3+ | 0.4+ |
| 780730 414 | 0.1- | 0.0 | 780802 414 | 0.2+ | 1.2- | 950727 372 | 0.8- | 0.3+ |

1978 OQ = 1954 WG₁ = 1983 PQ₂ = 1991 EZ₂

Id. E. Bowell, G. V. Williams

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | Williams | |
|----------|------------|--------------------|--------------------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>n</i> | 151.57002 | | |
| <i>a</i> | 0.20060926 | ω 356.91359 | +0.96323095 +0.26769525 |
| <i>e</i> | 2.8900281 | Ω 347.48703 | -0.24418309 +0.83664641 |
| <i>P</i> | 0.1987947 | <i>i</i> 6.07291 | -0.11207478 +0.47787242 |
| | 4.91 | <i>H</i> 12.5 | <i>G</i> 0.15 <i>U</i> 2 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|--------|--------|------------|------|------|------------|-------|-------|
| 541123 675 | 0.4- | 0.2- | 780806 323 | 0.4- | 0.1+ | 830813 688 | 0.3- | 0.6- |
| 541123 675 | 0.6+ | 0.3- | 780806 323 | 1.1- | 0.3+ | 910311 809 | 0.3- | 0.6- |
| 780710 675 | (5.1- | 8.6+)Y | 780809 323 | 0.5- | 0.9- | 910311 809 | 0.4- | 0.7- |
| 780711 675 | (0.2- | 5.0+)Y | 780809 323 | 1.5- | 0.2- | 910311 809 | 0.1- | 0.3- |
| 780713 675 | (10.9- | 6.1-)Y | 780811 323 | 1.9+ | 0.9- | 910313 809 | (2.1- | 5.9-) |
| 780728 323 | 0.3- | 0.4+ | 780811 323 | 0.3+ | 0.4+ | 910313 809 | (2.0- | 6.0-) |
| 780728 323 | 1.5- | 0.1+ | 780811 323 | 1.4+ | 0.7- | 910313 809 | (1.8- | 6.1-) |
| 780801 323 | 0.1- | 0.2- | 780811 323 | 1.0+ | 1.1+ | | | |
| 780801 323 | 0.9+ | 0.3+ | 830813 688 | 0.7+ | 0.4- | | | |

1978 RV₁ = 1991 GX₆ = 1991 GN₁₄ = 1991 HL₃ = 1995 PD

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | Marsden | |
|----------|------------|--------------------|--------------------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>n</i> | 28.93776 | | |
| <i>a</i> | 0.28823698 | ω 182.75268 | +0.65449577 +0.75595300 |
| <i>e</i> | 2.2697059 | Ω 128.12914 | -0.69335933 +0.60700751 |
| <i>P</i> | 0.2041512 | <i>i</i> 0.95072 | -0.30147658 +0.24510600 |
| | 3.42 | <i>H</i> 14.5 | <i>G</i> 0.15 <i>U</i> 4 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|--------|------------|-------|--------|------------|-------|--------|
| 780901 095 | (4.9+ | 0.7+)Y | 910408 809 | 0.6- | 1.2- | 910419 809 | (2.8+ | 0.5+)Y |
| 780905 095 | 1.8+ | 0.4- | 910408 809 | 0.2- | 0.3- | 950804 557 | 0.1- | 0.3+ |
| 780907 095 | 1.8+ | 0.2- | 910408 809 | 1.3- | 0.0 | 950804 557 | 0.1+ | 0.4+ |
| 780912 095 | 1.0- | 1.1- | 910410 809 | 0.7- | 1.2- | 950804 557 | 0.2- | 0.3+ |
| 780928 095 | (3.1+ | 0.6+)Y | 910410 809 | 0.1- | 1.6- | 950804 557 | 0.1- | 0.1+ |
| 781004 095 | 0.4- | 1.9- | 910410 809 | 0.5- | 1.7- | 950804 557 | 0.1- | 0.5+ |
| 781008 095 | 0.7+ | 0.6- | 910419 809 | 1.5+ | 1.0+ | 950804 557 | 0.2- | 0.2+ |
| 781009 095 | 0.4- | 1.6- | 910419 809 | (2.3+ | 1.1+)Y | 950804 557 | 0.3- | 0.3+ |

1979 OA

Id. T. B. Spahr (1989, 1994 observations)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | Williams | |
|----------|------------|--------------------|--------------------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>n</i> | 112.13054 | | |
| <i>a</i> | 0.19815833 | ω 340.44382 | +0.17862976 +0.91124977 |
| <i>e</i> | 2.9138096 | Ω 298.25190 | -0.83731241 -0.05728809 |
| <i>P</i> | 0.3754277 | <i>i</i> 24.91579 | -0.51671978 +0.40785038 |
| | 4.97 | <i>H</i> 13.5 | <i>G</i> 0.15 <i>U</i> 4 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|--------|------------|------|------|------------|------|------|
| 790723 688 | 1.2+ | 0.8- | 790816 801 | 0.6+ | 0.2+ | 890903 675 | 0.4- | 0.3+ |
| 790724 688 | 0.0 | 1.9- | 790827 801 | 1.0+ | 0.3- | 940908 675 | 0.4- | 0.6+ |
| 790726 801 | 0.3- | 0.0 | 790913 801 | 0.2+ | 1.8+ | 940908 675 | 0.6+ | 0.3+ |
| 790726 688 | (0.8+ | 3.8-)Y | 791116 801 | 1.0- | 0.8- | 940911 675 | 0.5+ | 1.6- |
| 790726 675 | 2.2- | 1.7+ | 890903 675 | 0.2- | 0.8+ | 940911 675 | 0.1+ | 0.5- |

1980 VX₂ = 1995 MW

Id. G. V. Williams, T. B. Spahr (1988, 1992 observations)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | Williams | |
|----------|------------|--------------------|--------------------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>n</i> | 137.89685 | | |
| <i>a</i> | 0.24333443 | ω 287.99516 | -0.83136332 -0.46780492 |
| <i>e</i> | 2.5409747 | Ω 225.43164 | +0.51279573 -0.85381456 |
| <i>P</i> | 0.0634329 | <i>i</i> 24.90334 | -0.21418582 -0.22838400 |
| | 4.05 | <i>H</i> 13.0 | <i>G</i> 0.15 <i>U</i> 2 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|--------|------------|------|------|------------|------|------|
| 801014 675 | 1.1+ | 0.6+ | 881108 675 | 0.8- | 1.1- | 950626 693 | 0.5+ | 0.5+ |
| 801031 675 | (3.0+ | 1.9+)Y | 921022 675 | 0.9- | 0.7+ | 950701 658 | 0.3- | 0.1- |
| 801101 675 | 0.4- | 0.4+ | 921022 675 | 1.4- | 0.8- | 950701 658 | 0.2- | 0.1+ |
| 801102 675 | (2.9+ | 1.0+)Y | 921126 675 | 1.8+ | 0.1+ | 950701 658 | 0.1- | 0.1+ |
| 801102 675 | 0.5- | 0.2- | 921126 675 | 0.7+ | 1.1- | 950702 658 | 0.0 | 0.6- |
| 881009 675 | 1.2+ | 0.0 | 921128 675 | 0.4+ | 1.4+ | 950702 658 | 0.1+ | 0.3- |
| 881009 675 | 0.3+ | 0.1+ | 921128 675 | 0.1- | 2.2+ | 950702 658 | 0.2+ | 0.2- |
| 881108 675 | 0.9- | 2.0- | 950626 693 | 0.2- | 0.5+ | | | |

1981 EK₄₅ = 1995 BV₁₀

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | Williams | |
|----------|------------|--------------------|--------------------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>n</i> | 219.41600 | | |
| <i>a</i> | 0.27320570 | ω 5.86966 | +0.93164623 +0.35972055 |
| <i>e</i> | 2.3522107 | Ω 332.87005 | -0.33779533 +0.80532088 |
| <i>P</i> | 0.1190541 | <i>i</i> 6.46515 | -0.13390153 +0.47123180 |
| | 3.61 | <i>H</i> 15.5 | <i>G</i> 0.15 <i>U</i> 5 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|--------|--------|------------|------|------|------------|------|------|
| 810301 413 | (20.5- | 5.9+)Y | 810503 413 | 0.1- | 0.3- | 950131 691 | 0.2- | 0.1- |
| 810306 413 | 2.4- | 0.8- | 950129 691 | 0.1- | 0.0 | 950131 691 | 0.1+ | 0.1- |
| 810308 413 | 1.0+ | 0.4- | 950129 691 | 0.6+ | 0.2- | 950205 691 | 0.2- | 0.1- |
| 810312 413 | 0.2+ | 1.2+ | 950129 691 | 0.0 | 0.1- | 950205 691 | 0.4- | 0.0 |
| 810312 413 | 1.3+ | 0.3+ | 950131 691 | 0.4+ | 0.5+ | 950205 691 | 0.3- | 0.1+ |

1986 XJ₅ = 1988 PB₃ = 1989 SX₇

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | (M-c) Kinoshita | |
|----------|------------|--------------------|--------------------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>n</i> | 154.67760 | | |
| <i>a</i> | 0.29819129 | ω 294.43823 | -0.95190598 -0.29719921 |
| <i>e</i> | 2.2189086 | Ω 228.36465 | +0.30458979 -0.89160908 |
| <i>P</i> | 0.0677081 | <i>i</i> 5.71942 | +0.03316727 -0.34162242 |
| | 3.31 | <i>H</i> 13.4 | <i>G</i> 0.15 <i>U</i> 3 |

Residuals in seconds of arc

| | | | | | | | |
|------------|-------------|------------|------|------|------------|------|------|
| 861204 046 | (5.1+ 0.3-) | 861207 046 | 0.1- | 0.4+ | 890928 675 | 0.2- | 0.1+ |
| 861204 046 | 0.8- 0.5+ | 880804 413 | 0.8+ | 0.3+ | 890929 675 | 0.1+ | 0.5- |
| 861205 046 | 1.7+ 0.1+ | 880804 413 | 0.8- | 0.3- | 890929 675 | 0.2- | 0.5+ |
| 861205 046 | 0.7- 1.4- | 890927 675 | 0.0 | 0.7+ | | | |
| 861207 046 | 0.1- 0.4+ | 890928 675 | 0.2+ | 0.7- | | | |

1987 WC

Id. R. H. McNaught (1995 observations)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | | | Williams | | |
|----------|------------|--------------------|--|---------------|-------------|--|
| <i>M</i> | 24.89972 | (2000.0) | | P | Q | |
| <i>n</i> | 0.62006974 | ω 308.14984 | | +0.97647622 | +0.01663632 | |
| <i>a</i> | 1.3619956 | Ω 51.95561 | | +0.10396826 | +0.83713920 | |
| <i>e</i> | 0.2336798 | <i>i</i> 15.84178 | | -0.18890418 | +0.54673685 | |
| <i>P</i> | 1.59 | <i>H</i> 20.5 | | <i>G</i> 0.15 | <i>U</i> 3 | |

Residuals in seconds of arc

| | | | | | | | |
|------------|---------------|------------|------|------|------------|------|------|
| 871121 675 | 0.3+ 0.2- | 871221 691 | 0.5- | 0.9+ | 880113 675 | 0.1+ | 1.0- |
| 871121 675 | (5.1+ 4.5-) | 871221 691 | 0.4- | 0.8+ | 880113 675 | 0.8+ | 0.7- |
| 871123 675 | (3.2- 1.9-)Y | 871221 691 | 0.3- | 0.5+ | 950720 413 | 0.3- | 1.4+ |
| 871123 675 | (4.4- 2.8+)Y | 880109 675 | 0.1- | 0.1+ | 950720 413 | 0.8+ | 0.7+ |
| 871127 675 | (7.9+ 13.6-)Y | 880109 675 | 0.1- | 0.2+ | 950720 413 | 0.2- | 0.3+ |
| 871130 675 | (2.4- 1.7+)Y | 880109 675 | 0.6- | 0.7- | 950720 413 | 0.3- | 0.5- |
| 871130 675 | (3.9+ 7.4-)Y | 880109 675 | 0.1- | 0.1+ | 950806 413 | 0.5- | 0.9- |
| 871215 675 | 0.0 0.1- Y | 880113 675 | 0.4+ | 0.3+ | 950806 413 | 0.1- | 0.4- |
| 871215 675 | (3.6+ 3.2-)Y | 880113 675 | 0.4+ | 0.6- | 950806 413 | 1.0+ | 0.5- |

1988 TG

Id. P. Kolény (1995 observations)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | | | Williams | | |
|----------|------------|--------------------|--|---------------|-------------|--|
| <i>M</i> | 286.08493 | (2000.0) | | P | Q | |
| <i>n</i> | 0.25771069 | ω 197.13581 | | +0.76021473 | -0.62560446 | |
| <i>a</i> | 2.4455756 | Ω 204.38460 | | +0.63465324 | +0.77277680 | |
| <i>e</i> | 0.2757602 | <i>i</i> 25.10894 | | +0.13888427 | -0.10693489 | |
| <i>P</i> | 3.82 | <i>H</i> 14.0 | | <i>G</i> 0.15 | <i>U</i> 3 | |

Residuals in seconds of arc

| | | | | | | | |
|------------|-----------|------------|-------------|------|------------|------|------|
| 881008 675 | 0.2+ 0.5+ | 881016 399 | 1.5+ | 1.2- | 881107 888 | 0.6+ | 0.4- |
| 881009 888 | 0.3- 1.9+ | 881016 399 | (0.5+ 3.5-) | | 881107 888 | 0.4+ | 0.6- |
| 881009 888 | 0.3- 1.9+ | 881019 888 | 0.8+ | 0.7+ | 881114 888 | 0.6- | 1.5+ |
| 881010 675 | 1.2+ 0.5+ | 881019 888 | 1.5- | 0.6- | 881114 888 | 0.2+ | 0.9- |
| 881010 888 | 1.8- 0.9- | 881101 888 | 0.5- | 1.0+ | 881130 888 | 0.2- | 0.3+ |
| 881010 888 | 0.9- 0.3- | 881102 888 | 0.1+ | 0.5+ | 881130 888 | 1.2- | 0.6- |
| 881013 675 | 0.5+ 0.2- | 881102 888 | 0.8+ | 0.9+ | 950802 118 | 0.2+ | 0.3+ |
| 881013 399 | 0.4+ 0.7- | 881102 888 | 0.8- | 0.4+ | 950802 118 | 0.1+ | 0.4- |
| 881013 399 | 0.3- 0.8- | 881102 888 | 1.4+ | 0.2- | 950802 118 | 0.0 | 0.3- |
| 881013 399 | 1.4+ 0.2+ | 881104 033 | 0.0 | 0.6- | 950803 118 | 0.3- | 0.1+ |
| 881013 888 | 1.5- 0.4+ | 881104 033 | (1.1+ 3.6+) | | 950803 118 | 0.0 | 0.2+ |
| 881013 888 | 1.7- 0.1- | 881104 033 | 0.0 | 1.8- | | | |
| 881015 399 | 1.1+ 2.1- | 881104 033 | 0.9+ | 1.4+ | | | |

1988 TW₂ = 1995 MG

Id. G. V. Williams, T. Urata

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | | | Williams | | |
|----------|------------|--------------------|--|---------------|-------------|--|
| <i>M</i> | 12.98056 | (2000.0) | | P | Q | |
| <i>n</i> | 0.26438927 | ω 43.65449 | | +0.42462345 | +0.82490835 | |
| <i>a</i> | 2.4042161 | Ω 254.79823 | | -0.89991408 | +0.33937886 | |
| <i>e</i> | 0.2372782 | <i>i</i> 22.74641 | | -0.09924505 | +0.45204890 | |
| <i>P</i> | 3.73 | <i>H</i> 13.0 | | <i>G</i> 0.15 | <i>U</i> 4 | |

Residuals in seconds of arc

| | | | | | | | |
|------------|-----------|------------|------|------|------------|------|------|
| 880912 675 | 0.0 0.4- | 950629 402 | 0.3+ | 0.7+ | 950709 367 | 0.5- | 0.5- |
| 880912 675 | 0.5- 0.2+ | 950629 402 | 0.2+ | 0.6+ | 950710 896 | 0.5- | 0.2- |
| 881008 675 | 1.3+ 0.6+ | 950629 402 | 0.2+ | 0.7+ | 950710 896 | 0.2- | 0.2- |
| 881013 675 | 0.9- 0.2- | 950706 905 | 0.2+ | 0.3- | 950724 905 | 0.7+ | 0.5+ |
| 950624 905 | 0.6+ 1.9- | 950706 905 | 0.7+ | 0.6+ | 950724 905 | 0.3+ | 0.2+ |
| 950624 905 | 1.3- 1.3+ | 950709 367 | 0.8- | 1.6- | 950724 905 | 0.7+ | 0.1- |
| 950624 905 | 0.1+ 0.1+ | 950709 367 | 0.6- | 0.1+ | | | |

1988 VX₂ = 1992 MH

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | | | (M-c) Kinoshita | | |
|----------|------------|--------------------|--|-----------------|-------------|--|
| <i>M</i> | 167.68655 | (2000.0) | | P | Q | |
| <i>n</i> | 0.17505675 | ω 86.62812 | | +0.61995596 | +0.76656352 | |
| <i>a</i> | 3.1648283 | Ω 223.21638 | | -0.78126426 | +0.58330954 | |
| <i>e</i> | 0.0807096 | <i>i</i> 14.15347 | | -0.07266880 | +0.26857093 | |
| <i>P</i> | 5.63 | <i>H</i> 11.5 | | <i>G</i> 0.15 | <i>U</i> 5 | |

Residuals in seconds of arc

| | | | | | | | |
|------------|-------------|------------|-------------|------|------------|------|------|
| 881102 399 | 0.4+ 0.7+ | 881108 399 | 1.7- | 0.9- | 920628 675 | 0.0 | 0.7+ |
| 881102 399 | 1.6+ 1.3+ | 881108 399 | (1.9- 3.8-) | | 920629 675 | 0.3+ | 0.0 |
| 881102 399 | 1.2- 1.3- | 881111 399 | 0.7+ | 0.2- | 920629 675 | 0.3+ | 0.7- |
| 881104 327 | (4.8- 0.3-) | 881111 399 | 0.7+ | 1.9+ | 920630 675 | 0.4- | 0.6- |
| 881104 327 | (4.6- 0.5-) | 881111 399 | 0.0 | 0.1- | 920630 675 | 0.3+ | 0.1- |
| 881108 399 | 0.6- 1.3- | 920628 675 | 0.4- | 0.6+ | | | |

1990 ES₃ = 1991 TU₁

Id. S. Nakano (MPC 19303), H. E. Holt (*ibid.*)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | | | Williams | | |
|----------|------------|--------------------|--|---------------|-------------|--|
| <i>M</i> | 116.21303 | (2000.0) | | P | Q | |
| <i>n</i> | 0.29209149 | ω 343.47761 | | +0.60088569 | +0.79767994 | |
| <i>a</i> | 2.2496940 | Ω 323.41048 | | -0.72327330 | +0.51519919 | |
| <i>e</i> | 0.1757113 | <i>i</i> 4.94786 | | -0.34031181 | +0.31349085 | |
| <i>P</i> | 3.37 | <i>H</i> 14.0 | | <i>G</i> 0.15 | <i>U</i> 3 | |

Residuals in seconds of arc

| | | | | | | | |
|------------|-------------|------------|-------------|------|------------|------|------|
| 541123 675 | 0.5- 0.1- | 900404 809 | 0.5+ | 0.5+ | 910905 033 | 0.3+ | 0.4+ |
| 541123 675 | 0.3+ 0.6+ | 900404 809 | 0.1- | 0.4- | 910915 675 | 0.1- | 0.6- |
| 900302 809 | (2.3- 1.4+) | 900415 809 | 0.9+ | 0.4- | 910915 675 | 0.4+ | 0.5- |
| 900302 809 | (2.7- 2.1+) | 900416 809 | 0.7+ | 1.0- | 911004 033 | 0.0 | 0.7+ |
| 900302 809 | (2.5- 1.4+) | 900416 809 | 0.0 | 0.1+ | 911005 033 | 1.0- | 0.2- |
| 900304 809 | 0.8- 0.0 | 900416 809 | (1.1+ 2.5+) | | 911005 033 | 0.3+ | 1.4+ |
| 900304 809 | 1.3- 0.3- | 900417 809 | 0.2+ | 1.7+ | 911013 894 | 1.4- | 1.2- |
| 900304 809 | 0.8- 0.3- | 900417 809 | (2.2- 1.4+) | | 911013 894 | 0.3+ | 0.2- |
| 900404 809 | 0.9+ 0.2- | 910905 033 | 0.3+ | 0.1- | 911015 894 | 1.3+ | 0.2- |

1990 QY = 1964 TL₁ = 1995 PN

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Williams Q
M 35.77853 (2000.0) P Q
n 0.18749275 omega 80.70854 +0.14506725 +0.98849035
a 3.0232895 Omega 197.80569 -0.95393739 +0.12821924
e 0.2087760 i 8.06897 -0.26260035 +0.08029102
P 5.26 H 12.5 G 0.15 U 4
Residuals in seconds of arc
641008 330 0.1+ 0.1+ 900915 675 0.6- 1.0- 901009 413 (0.3+ 2.3+)
900816 511 0.1- 0.8+ 900916 675 1.0+ 0.0 901011 413 0.7+ 0.3-
900817 511 0.5- 2.5+ 900916 675 1.1+ 1.0- 950805 966 0.2+ 0.3-
900817 511 (2.0+ 3.8+) 900918 095 (1.6- 3.7+) 950805 966 0.5- 0.4-
900821 511 (0.5- 3.3+) 900918 095 0.6- 0.1- 950805 966 0.2- 0.5-
900821 511 1.7+ 2.8+ 900920 675 1.1- 1.8- 950806 966 1.0+ 0.2-
900828 511 1.2- 1.1+ 900920 675 0.6- 1.1-
900915 675 0.5- 0.3- 901009 413 0.3+ 0.5-

1990 SX = 1995 OS

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 (M-c) Urata
M 339.06460 (2000.0) P Q
n 0.17768465 omega 14.15328 +0.98484899 +0.15506787
a 3.1335463 Omega 336.49672 -0.17192709 +0.81460665
e 0.1769538 i 11.22476 -0.02266143 +0.55890068
P 5.55 H 12.5 G 0.15 U 5
Residuals in seconds of arc
900916 675 0.8+ 0.7+ 900918 675 0.2+ 0.0 950726 905 0.0 1.2+
900916 675 0.3- 0.3- 900920 675 0.8+ 1.0- 950726 905 0.2+ 0.4+
900917 675 0.0 0.2- 900920 675 0.6- 1.4+ 950801 905 0.0 0.0
900917 675 0.6- 0.9- 950724 905 0.3+ 0.2- 950801 905 0.5+ 0.2-
900918 675 0.3- 0.3+ 950724 905 1.0- 1.1-

1990 SZ₄ = 1995 OK₁

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Williams Q
M 10.65953 (2000.0) P Q
n 0.17997190 omega 254.96550 +0.66649726 +0.74476796
a 3.1069403 Omega 56.88066 -0.66786026 +0.61627462
e 0.1526731 i 2.27165 -0.33127642 +0.25598102
P 5.48 H 14.0 G 0.15 U 5
Residuals in seconds of arc
900915 809 0.7+ 0.6+ 900925 809 0.3- 0.3- 950719 327 0.2+ 0.2-
900915 809 0.6- 0.3+ 900925 809 0.0 0.3- 950719 327 0.0 0.2-
900915 809 0.8- 0.3- 900925 809 0.5- 0.3+ 950721 327 0.4+ 0.3+
900922 809 0.5+ 0.0 950719 327 0.5- 0.1- 950721 327 0.4+ 0.1-
900922 809 0.5+ 0.1+ 950719 327 0.3- 0.3+
900922 809 0.4+ 0.3- 950719 327 0.1- 0.1+

1991 EE

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Marsden Q
M 89.32672 (2000.0) P Q
n 0.29274570 omega 115.05821 +0.24796994 +0.96824254
a 2.2463411 Omega 169.15339 -0.93866713 +0.24827822
e 0.6244274 i 9.75826 -0.23961412 +0.02939911
P 3.37 H 17.5 G 0.15 U 1

Residuals in seconds of arc

910313 691 0.1+ 1.4- 910519 691 0.3- 0.3- 910908 675 0.9- 0.4-
910313 691 0.1+ 1.2- 910605 691 0.1- 0.7- 910908 675 1.2- 0.3-
910313 691 0.1- 1.2- 910605 691 0.1+ 1.0- 910909 801 0.5- 0.6+
910313 691 0.2- 0.5- 910605 691 0.1- 1.0- 910909 801 0.1+ 0.6+
910313 691 0.3- 0.7- 910827 413 1.7- 0.2- 910909 323 0.2+ 0.1+
910313 691 0.0 0.7- 910829 413 1.1+ 0.2+ 910909 046 0.6- 1.1+
910313 691 0.9+ 0.7- 910901 691 (4.0+ 0.8-) 910909 046 (4.0- 2.0+)
910314 691 0.2- 0.1- 910901 691 0.4+ 0.1+ 910910 323 0.5+ 0.1-
910314 691 0.8- 0.5- 910902 046 (5.9+ 0.1+) 910910 046 1.2+ 0.1+
910314 691 0.1- 0.5- 910902 046 (3.4- 2.2+) 910910 046 (3.3- 1.2+)
910314 691 0.3- 0.0 910903 474 (2.2+ 0.2+) 910913 801 0.3+ 0.2-
910314 691 0.2- 0.8- 910903 474 0.1- 0.2- 910913 801 0.1+ 0.2-
910315 691 0.3- 0.3- 910903 474 0.4+ 0.7- 910913 413 1.1+ 0.6+
910315 691 0.1- 0.3- 910903 046 (8.5- 1.4+) 910913 413 0.9+ 0.1-
910315 691 0.0 0.4- 910903 046 (6.8- 3.1+) 911001 657 0.6+ 0.5+
910317 691 0.0 0.3- 910904 675 (7.7- 0.8+) 911001 657 0.4+ 0.7+
910317 691 0.1- 0.0 910904 675 (1.0- 2.6-) 911001 657 0.3+ 0.4-
910317 691 0.1- 0.2- 910904 474 (2.7- 1.5+) 911003 568 (0.2- 2.5-)
910320 691 0.4- 0.2- 910904 474 0.2+ 0.1- 911004 801 0.9+ 1.3-
910320 691 0.1+ 0.3+ 910904 323 0.5+ 0.2- 911004 801 0.0 0.4-
910320 691 0.1+ 0.0 910905 657 0.2- 0.5+ 911008 801 0.5- 1.2-
910405 691 0.3+ 0.0 910905 657 0.0 0.1+ 911008 801 0.5- 1.2-
910405 691 0.3+ 0.1+ 910905 474 1.3- 0.2- 911008 658 0.7- 0.9-
910405 691 0.2+ 0.2- 910905 474 0.3+ 0.4- 911008 658 0.7- 0.8-
910418 691 0.0 0.2- 910905 323 1.2+ 0.0 911008 658 0.9- 0.9-
910418 691 0.2+ 0.4- 910906 046 (2.5+ 1.0-) 940202 691 1.0+ 0.7-
910418 691 0.1+ 0.3- 910906 046 (11.0+ 5.4-) 940202 691 1.0- 0.5-
910510 691 0.7- 0.8- 910907 801 0.1+ 0.1+ 940318 691 0.5+ 0.9-
910510 691 1.1- 0.3- 910907 801 0.5+ 0.0 940318 691 (2.4- 0.1+)
910510 691 1.1- 0.0 910907 801 0.2+ 0.5- 940318 691 1.4- 1.3-
910519 691 0.4+ 1.2- 910908 801 0.8- 0.3-
910519 691 0.8+ 0.6- 910908 801 0.3- 0.5-

1991 PQ₅ = 1994 JH₉

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5
M 86.54389 (2000.0) P Q
n 0.28771171 omega 163.48881 +0.58899237 +0.80508167
a 2.2724675 Omega 142.51486 -0.75388726 +0.57867581
e 0.1315415 i 6.62644 -0.29110478 +0.13029892
P 3.43 H 15.0 G 0.15 U 4
Residuals in seconds of arc
910803 809 0.3- 0.0 910807 675 0.4+ 0.1+ 910906 809 0.3- 0.9+
910803 809 0.2+ 0.2+ 910807 675 0.3- 0.9- 910906 809 0.1+ 0.8+
910803 809 0.4- 0.3+ 910904 809 0.5+ 0.9+ 910907 809 0.6- 1.6-
910804 809 (3.3+ 2.9+) 910904 809 0.1+ 1.3+ 910907 809 1.1- 1.6-
910805 809 (3.3- 0.5-) 910904 809 0.3+ 1.0+ 940515 675 0.1- 0.6+
910805 809 (3.6- 0.3-) 910905 809 0.3+ 1.0- 940515 675 0.6+ 0.6-
910805 675 0.5- 0.3- 910905 809 0.1- 0.5- 940516 675 0.2- 0.3+
910805 809 (3.5- 0.5-) 910905 809 0.2+ 0.5+ 940516 675 0.4- 0.3-
910805 675 0.7+ 0.1+ 910906 809 0.9+ 0.1-

1991 RV₉ = 1990 HL₄

Id. E. Bowell (1951, 1954 observations), G. V. Williams

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | (2000.0) | | Williams | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | | <i>P</i> | | <i>Q</i> | |
| <i>n</i> | 88.14606 | ω | 294.01735 | +0.58615418 | +0.81008341 |
| <i>a</i> | 0.26896002 | Ω | 11.89673 | -0.71707333 | +0.52658651 |
| <i>e</i> | 2.3768999 | <i>i</i> | 3.81516 | -0.37713275 | +0.25782071 |
| <i>P</i> | 0.0654922 | <i>H</i> | 14.0 | <i>G</i> | 0.15 |
| | 3.66 | | | <i>U</i> | 2 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 511201 675 | 0.5- | 0.0 | 910910 033 | 0.1+ | 0.3+ | 910917 675 | 0.2- | 1.3- |
| 511201 675 | 0.5+ | 0.1- | 910910 033 | 0.7+ | 0.3+ | 910917 675 | 0.0 | 1.1- |
| 540630 675 | 0.2- | 0.6+ | 910910 675 | 0.1- | 0.1- | 911004 033 | 0.2+ | 0.2+ |
| 900422 675 | (6.5+ | 0.4-) | 910910 675 | 0.5- | 0.7- | 911004 033 | 0.1+ | 0.7+ |
| 900422 675 | 0.5- | 1.1- | 910913 033 | 0.5- | 0.2+ | 911005 033 | 0.8+ | 0.3+ |

1991 TQ₆ = 1980 FM₅ = 1992 YP₄

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | (2000.0) | | (M-c) Kinoshita | |
|----------|------------|----------|-----------|-----------------|-------------|
| <i>M</i> | | <i>P</i> | | <i>Q</i> | |
| <i>n</i> | 163.51202 | ω | 242.46557 | -0.97454665 | -0.21414155 |
| <i>a</i> | 0.21811238 | Ω | 285.10736 | +0.22218112 | -0.88308736 |
| <i>e</i> | 2.7332698 | <i>i</i> | 3.94073 | +0.02990614 | -0.41749264 |
| <i>P</i> | 0.0993047 | <i>H</i> | 14.1 | <i>G</i> | 0.15 |
| | 4.52 | | | <i>U</i> | 4 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 800323 809 | 0.0 | 0.0 | 911008 033 | 0.3- | 0.4- | 921230 033 | 0.4+ | 0.0 |
| 911002 033 | (3.4+ | 0.7+) | 911008 033 | 1.1+ | 1.2- | 930101 033 | 0.6- | 0.1- |
| 911002 033 | 1.5- | 1.2+ | 911009 033 | 0.9+ | 0.4- | | | |
| 911003 033 | 0.2- | 0.8+ | 921229 033 | 0.2+ | 0.1+ | | | |

1991 VV₅ = 1990 OV₂ = 1990 RA₁₁ = 1995 OW₁

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | (2000.0) | | (M-c) Urata | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | | <i>P</i> | | <i>Q</i> | |
| <i>n</i> | 5.57073 | ω | 222.40604 | +0.66582803 | +0.72110403 |
| <i>a</i> | 0.18903115 | Ω | 90.30588 | -0.62282459 | +0.67852688 |
| <i>e</i> | 3.0068641 | <i>i</i> | 11.04198 | -0.41080721 | +0.14003660 |
| <i>P</i> | 0.0441311 | <i>H</i> | 12.0 | <i>G</i> | 0.15 |
| | 5.21 | | | <i>U</i> | 4 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 900728 675 | 0.4+ | 0.2- | 911102 809 | 2.5- | 0.8- | 911112 809 | 0.3- | 0.2- |
| 900728 675 | 0.5- | 0.5+ | 911106 809 | 0.5+ | 0.2+ | 911112 809 | 1.0+ | 0.6+ |
| 900730 675 | 0.3+ | 1.0+ | 911106 809 | 0.9- | 1.0+ | 950724 905 | 1.1- | 0.3- |
| 900730 675 | 0.1- | 0.2- | 911106 809 | 0.5- | 0.1- | 950724 905 | 0.6- | 0.6- |
| 900914 675 | 0.9- | 0.6- | 911109 809 | 0.9+ | 0.4+ | 950801 905 | 1.0+ | 0.1+ |
| 900914 675 | 0.8+ | 0.4- | 911109 809 | 0.1- | 0.1- | 950801 905 | 0.8+ | 0.5+ |
| 911102 809 | 0.6+ | 0.2- | 911109 809 | 0.7- | 0.5- | | | |
| 911102 809 | 0.1+ | 0.9- | 911112 809 | 1.8+ | 0.8+ | | | |

1992 CA₂ = 1951 CK = 1993 OY₇

Id. B. G. Marsden (MPC 22688), G. V. Williams

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | (2000.0) | | Williams | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | | <i>P</i> | | <i>Q</i> | |
| <i>n</i> | 61.93332 | ω | 328.74397 | -0.31989498 | -0.94623283 |
| <i>a</i> | 0.28897382 | Ω | 139.85630 | +0.88393469 | -0.31632825 |
| <i>e</i> | 2.2658460 | <i>i</i> | 4.27592 | +0.34106696 | -0.06767475 |
| <i>P</i> | 0.0539303 | <i>H</i> | 14.0 | <i>G</i> | 0.15 |
| | 3.41 | | | <i>U</i> | 2 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 510210 760 | 0.3+ | 0.4- | 930719 809 | 0.0 | 0.6- | 930723 809 | 0.4+ | 0.0 |
| 510210 760 | 0.9- | 0.7+ | 930719 809 | 0.4+ | 0.8- | 930724 809 | 1.0+ | 3.5- |
| 550522 675 | 1.3+ | 1.6+ | 930719 809 | 0.7+ | 0.5- | 930726 809 | 0.1- | 0.6+ |
| 920212 303 | 0.4+ | 2.2- | 930720 809 | 0.1- | 0.0 | 930726 809 | 1.0- | 0.1+ |
| 920213 303 | 1.5- | 1.1- | 930720 809 | 0.1- | 0.4- | 930726 809 | 2.6- | 0.3- |
| 920228 691 | 0.1- | 0.2- | 930720 809 | 0.2+ | 0.4- | 950102 560 | 0.1+ | 1.0- |
| 920228 691 | 0.3- | 0.3- | 930723 809 | 1.0+ | 0.5- | 950102 560 | 1.0- | 0.1- |
| 920228 691 | 0.1- | 0.5- | 930723 809 | 0.3+ | 0.3- | 950102 560 | 1.8+ | 0.8- |

1992 LC

Id. D. J. Asher (1995 observations)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | (2000.0) | | Williams | |
|----------|------------|----------|----------|-------------|-------------|
| <i>M</i> | | <i>P</i> | | <i>Q</i> | |
| <i>n</i> | 316.83537 | ω | 89.64070 | -0.83724486 | -0.47526490 |
| <i>a</i> | 0.24661261 | Ω | 61.96536 | +0.29367224 | -0.80800232 |
| <i>e</i> | 2.5184067 | <i>i</i> | 17.84268 | +0.46127830 | -0.34821764 |
| <i>P</i> | 0.7047473 | <i>H</i> | 15.0 | <i>G</i> | 0.15 |
| | 4.00 | | | <i>U</i> | 3 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 920604 675 | (5.5+ | 3.9+) | 920627 675 | 0.6+ | 1.1- | 920823 413 | 0.3- | 0.3+ |
| 920604 675 | 0.8+ | 1.8- | 920627 675 | 0.4- | 0.9+ | 920823 413 | 0.2- | 0.5+ |
| 920605 675 | 1.5- | 0.3+ | 920628 675 | 1.3- | 1.9+ | 920823 413 | 0.8- | 0.6+ |
| 920605 675 | (2.5- | 1.0-) | 920628 675 | 0.7+ | 1.8- | 950720 413 | 0.1+ | 0.2- |
| 920606 675 | 1.0+ | 0.6+ | 920629 675 | 0.6- | 0.5+ | 950720 413 | 0.7+ | 0.2+ |
| 920606 675 | 0.2- | 0.8+ | 920629 675 | 1.3+ | 1.6- | 950720 413 | 0.5+ | 0.2+ |
| 920623 474 | 0.7- | 1.5+ | 920805 413 | 1.2+ | 1.5- | 950720 413 | 0.3+ | 0.3- |
| 920623 474 | 1.3- | 0.6+ | 920805 413 | 1.0+ | 0.9- | 950720 413 | 0.2- | 0.1- |
| 920625 675 | (4.2- | 0.2-) | 920821 413 | 0.1- | 0.4+ | 950728 598 | 0.3+ | 0.2- |
| 920625 675 | 0.5+ | 1.3- | 920821 413 | 0.2- | 0.4+ | 950728 598 | 0.5+ | 0.8- |
| 920626 675 | 0.6+ | 0.7+ | 920822 413 | 0.1+ | 0.5+ | 950806 413 | 0.7- | 0.2+ |
| 920626 675 | 0.1+ | 0.4- | 920822 413 | 0.2- | 0.5+ | 950806 413 | 1.0- | 0.5+ |

1992 UP₄

Id. C. P. de Saint-Aignan (1994 observations)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | (2000.0) | | Bowell | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | | <i>P</i> | | <i>Q</i> | |
| <i>n</i> | 250.46055 | ω | 352.39820 | -0.49599539 | -0.86380952 |
| <i>a</i> | 0.29702126 | Ω | 127.29417 | +0.80240840 | -0.49488530 |
| <i>e</i> | 2.2247319 | <i>i</i> | 6.38281 | +0.33185741 | -0.09445446 |
| <i>P</i> | 0.0966025 | <i>H</i> | 13.3 | <i>G</i> | 0.15 |
| | 3.32 | | | <i>U</i> | 5 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------|-------|------------|------|------|
| 921026 400 | 0.2+ | 1.1- | 921116 400 | (3.3- | 0.8-) | 940516 675 | 0.3+ | 0.1+ |
| 921026 400 | 0.0 | 0.0 | 921116 400 | 1.0- | 0.4- | 940516 675 | 0.2- | 0.1- |
| 921028 400 | 0.2+ | 1.3+ | 940515 675 | 0.7+ | 0.1+ | 940607 675 | 1.1+ | 0.8+ |
| 921028 400 | 0.8+ | 0.0 | 940515 675 | 1.7- | 0.4- | 940607 675 | 0.2- | 0.7- |

1992 YH₂ = 1982 BL₄

Id. A. Lowe (MPC 21946)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | (2000.0) | | Williams | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | | <i>P</i> | | <i>Q</i> | |
| <i>n</i> | 220.57261 | ω | 319.74211 | +0.67644855 | -0.71368813 |
| <i>a</i> | 0.17339868 | Ω | 86.84592 | +0.71384748 | +0.57460148 |
| <i>e</i> | 3.1849713 | <i>i</i> | 10.49316 | +0.18121572 | +0.40060253 |
| <i>P</i> | 0.0649116 | <i>H</i> | 13.0 | <i>G</i> | 0.15 |
| | 5.68 | | | <i>U</i> | 2 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 820126 381 | 0.3- | 1.0- | 921218 010 | 1.2+ | 0.4- | 930116 010 | 0.4+ | 0.2+ |
| 820126 381 | 0.8- | 0.1- | 921219 010 | 0.4+ | 0.2- | 930116 010 | 0.0 | 0.4- |
| 820128 381 | (6.1+ | 2.4-) | 921219 010 | 0.3+ | 0.5- | 930116 010 | 0.4- | 0.3- |
| 820128 381 | 1.1+ | 0.6+ | 921219 010 | 0.2+ | 0.6+ | 930117 010 | 1.1- | 0.2- |
| 910917 675 | 0.6+ | 0.5+ | 921219 010 | 0.1+ | 0.3+ | 930117 010 | 0.9- | 0.3+ |
| 910917 675 | 0.5- | 0.6- | 921220 010 | 0.3- | 0.0 | 930117 010 | 0.1- | 1.0+ |

1993 BX₁₃ = 1951 PT = 1978 RL₆ = 1978 SY₄ = 1978 VD₁₂

Id. E. Bowell, G. V. Williams, N. S. Chernykh (d)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | | Williams | | | | | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|--|
| <i>M</i> | (2000.0) | | P | | | Q | | |
| <i>n</i> | 0.29457539 | ω | 198.41226 | +0.92061476 | -0.39041504 | | | |
| <i>a</i> | 2.2370297 | Ω | 184.58455 | +0.36792429 | +0.87305166 | | | |
| <i>e</i> | 0.1446136 | <i>i</i> | 4.79001 | +0.13076763 | +0.29215903 | | | |
| <i>P</i> | 3.35 | <i>H</i> | 14.5 | <i>G</i> | 0.15 | <i>U</i> | 4 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|-------|-------|
| 510808 675 | 0.1+ | 0.2- | 781102 095 | 0.4- | 0.4+ | 930217 809 | (2.3+ | 3.5-) |
| 510808 675 | (0.8- | 3.0-) | 930123 809 | 0.2- | 0.4- | 930217 809 | 1.1- | 1.3- |
| 780913 095 | 0.9- | 1.4+ | 930128 809 | 1.0+ | 1.2+ | 930217 809 | (0.4- | 3.0-) |
| 780927 095 | 1.3+ | 1.8- | 930128 809 | 0.2+ | 0.2+ | | | |

1993 FM₁₄

Id. C. P. de Saint-Aignan (1991 observations)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | | Bowell | | | | | |
|----------|------------|----------|----------|-------------|-------------|----------|---|--|
| <i>M</i> | (2000.0) | | P | | | Q | | |
| <i>n</i> | 0.29306657 | ω | 57.15565 | -0.15863484 | -0.98471043 | | | |
| <i>a</i> | 2.2447011 | Ω | 42.16075 | +0.86624985 | -0.17378829 | | | |
| <i>e</i> | 0.0826957 | <i>i</i> | 6.15571 | +0.47375751 | -0.01195824 | | | |
| <i>P</i> | 3.36 | <i>H</i> | 13.8 | <i>G</i> | 0.15 | <i>U</i> | 1 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 540904 675 | 0.2- | 0.3+ | 930317 809 | 0.2- | 0.2+ | 930416 413 | 0.2- | 0.1- |
| 910913 675 | 0.2+ | 0.3+ | 930318 809 | 0.1+ | 0.4- | | | |
| 910913 675 | 0.0 | 0.6- | 930323 809 | 0.2+ | 0.3+ | | | |

1993 FX₁₇

Id. E. Bowell (1991 observations)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | | Bowell | | | | | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|--|
| <i>M</i> | (2000.0) | | P | | | Q | | |
| <i>n</i> | 0.28582629 | ω | 335.42533 | -0.16782117 | -0.98211300 | | | |
| <i>a</i> | 2.2824500 | Ω | 124.12913 | +0.92067637 | -0.18710418 | | | |
| <i>e</i> | 0.1113335 | <i>i</i> | 5.92039 | +0.35240754 | +0.02112054 | | | |
| <i>P</i> | 3.45 | <i>H</i> | 13.6 | <i>G</i> | 0.15 | <i>U</i> | 5 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|-----|
| 910913 675 | 1.3- | 1.1+ | 930317 809 | 0.3- | 0.9+ | 930416 413 | 0.3- | 0.0 |
| 910916 675 | 0.9+ | 0.5+ | 930318 809 | 0.6- | 0.0 | | | |
| 910916 675 | 0.4+ | 1.5- | 930323 809 | 1.2+ | 0.8- | | | |

1993 LF₂ = 1962 XY = 1992 DA₁

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

(M-c) Kinoshita

| | | | P | | | | | | Q | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|--|----------|--|
| <i>M</i> | (2000.0) | | P | | | Q | | | | |
| <i>n</i> | 0.21310450 | ω | 237.67929 | +0.87112590 | +0.45756151 | | | | | |
| <i>a</i> | 2.7759244 | Ω | 94.53588 | -0.36856411 | +0.84910596 | | | | | |
| <i>e</i> | 0.1562539 | <i>i</i> | 10.30112 | -0.32449986 | +0.26392524 | | | | | |
| <i>P</i> | 4.62 | <i>H</i> | 13.0 | <i>G</i> | 0.15 | <i>U</i> | 4 | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 621203 760 | 0.6- | 0.4- | 920303 372 | 0.1- | 1.8+ | 930529 010 | 1.8- | 0.8+ |
| 621203 760 | 0.8+ | 0.3- | 930527 010 | 0.3+ | 0.5+ | 930529 010 | 1.0- | 0.2+ |
| 920227 372 | 0.0 | 1.4- | 930527 010 | 0.6+ | 1.0+ | 930615 675 | 1.1+ | 1.5- |
| 920227 372 | 0.0 | 0.6- | 930528 010 | 1.0- | 0.8+ | 930615 675 | 0.9+ | 1.5- |
| 920303 372 | (1.6- | 4.7+) | 930529 010 | 0.7- | 0.4+ | 930616 675 | 1.4+ | 1.4- |

1993 PB

Id. D. I. Steel (1995 observations)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

Williams

| | | | P | | | | | | Q | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|--|----------|--|
| <i>M</i> | (2000.0) | | P | | | Q | | | | |
| <i>n</i> | 0.58016856 | ω | 212.22145 | -0.88881078 | -0.06037895 | | | | | |
| <i>a</i> | 1.4237484 | Ω | 316.03258 | +0.41139760 | -0.54187039 | | | | | |
| <i>e</i> | 0.6067086 | <i>i</i> | 40.87010 | -0.20190940 | -0.83829044 | | | | | |
| <i>P</i> | 1.70 | <i>H</i> | 16.5 | <i>G</i> | 0.15 | <i>U</i> | 5 | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 930813 691 | 0.7- | 0.0 | 930820 587 | 1.9+ | 0.8- | 930920 658 | 0.1+ | 0.3- |
| 930813 691 | 0.7- | 0.3- | 930820 587 | 1.0+ | 0.3+ | 930921 658 | 0.2- | 0.3- |
| 930813 691 | 0.3- | 0.1+ | 930822 691 | 0.1- | 0.0 | 930921 658 | 0.4+ | 0.5- |
| 930814 691 | 0.5- | 0.3- | 930822 691 | 0.5- | 0.1- | 930921 658 | 0.4- | 0.1- |
| 930814 691 | 0.8+ | 0.2+ | 930822 691 | 0.2- | 0.1- | 950605 413 | 0.0 | 0.4- |
| 930814 691 | 0.3- | 0.1+ | 930824 413 | 0.4+ | 0.4+ | 950605 413 | 0.4+ | 0.3- |
| 930815 691 | 0.4- | 0.1+ | 930824 413 | 0.7+ | 0.4+ | 950720 413 | 0.2+ | 0.3+ |
| 930815 691 | 0.4- | 0.1+ | 930825 413 | 1.0+ | 0.5+ | 950720 413 | 0.5+ | 0.3+ |
| 930815 691 | 0.8- | 0.0 | 930825 413 | 0.9+ | 0.4+ | 950720 413 | 0.4+ | 0.2+ |
| 930817 587 | 1.4+ | 0.7- | 930903 413 | 1.0+ | 0.8+ | 950720 413 | 0.1+ | 0.2+ |
| 930817 587 | 0.1+ | 0.1+ | 930903 413 | 0.7+ | 0.6+ | 950720 413 | 0.0 | 0.0 |
| 930817 691 | 0.5- | 0.0 | 930911 691 | 1.6- | 0.4- | 950720 413 | 0.3+ | 0.1+ |
| 930817 691 | 0.9- | 0.2- | 930911 691 | 2.0- | 0.1+ | 950806 413 | 0.4- | 0.6- |
| 930817 691 | 0.4- | 0.1+ | 930920 658 | 0.4- | 0.4- | 950806 413 | 0.7- | 0.3- |
| 930820 587 | 0.7+ | 0.4+ | 930920 658 | 0.9- | 0.4- | | | |

1993 QH₁₀

Id. T. B. Spahr (1990 observations)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

Williams

| | | | P | | | | | | Q | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|--|----------|--|
| <i>M</i> | (2000.0) | | P | | | Q | | | | |
| <i>n</i> | 0.27956928 | ω | 24.97892 | +0.50179546 | +0.79105970 | | | | | |
| <i>a</i> | 2.3163797 | Ω | 276.93865 | -0.84097860 | +0.35153131 | | | | | |
| <i>e</i> | 0.1431861 | <i>i</i> | 20.63881 | -0.20237667 | +0.50064987 | | | | | |
| <i>P</i> | 3.53 | <i>H</i> | 13.0 | <i>G</i> | 0.15 | <i>U</i> | 5 | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 901111 675 | 1.5+ | 1.0+ | 930816 675 | 0.4+ | 0.1+ | 930817 675 | 1.0+ | 0.5+ |
| 901111 675 | 0.1- | 0.6- | 930816 675 | 0.6- | 0.4- | 930922 675 | 0.8- | 0.3- |
| 901113 675 | 1.4- | 0.4- | 930817 675 | 0.7- | 0.1- | 930922 675 | 0.8+ | 0.2+ |

1994 AP₂ = 1987 GX

Id. L. Kornoš (1995 observations), G. V. Williams

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | | Williams | | | | |
|----------|------------|--------------------|---------------|-------------|----------|--|--|
| <i>M</i> | 206.29637 | (2000.0) | P | | Q | | |
| <i>n</i> | 0.27086054 | ω 291.18541 | +0.14702872 | -0.96715629 | | | |
| <i>a</i> | 2.3657684 | Ω 148.06595 | +0.98866912 | +0.13728110 | | | |
| <i>e</i> | 0.2078353 | <i>i</i> 23.07875 | +0.03026416 | +0.21392198 | | | |
| <i>P</i> | 3.64 | <i>H</i> 12.5 | <i>G</i> 0.15 | <i>U</i> 3 | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|-------|-------|
| 870403 675 | 1.2- | 0.1- | 940115 402 | 0.4+ | 1.2- | 940311 098 | 0.6- | 0.3- |
| 870403 675 | 1.1+ | 0.8- | 940115 402 | 0.8+ | 0.2+ | 940312 098 | (4.4+ | 5.6+) |
| 940109 402 | 1.3+ | 0.1- | 940116 675 | 1.1- | 0.8- | 950722 118 | 0.2- | 0.5+ |
| 940109 402 | 1.0+ | 1.3+ | 940116 675 | 0.6- | 1.0- | 950722 118 | 0.3+ | 0.5+ |
| 940110 400 | (2.4- | 0.5+) | 940208 400 | 0.1+ | 0.9+ | 950722 118 | 0.0 | 0.7+ |
| 940110 400 | 0.0 | 0.1+ | 940208 400 | 0.8- | 1.3+ | 950731 118 | 0.4- | 0.4- |
| 940111 675 | 0.4- | 0.8- | 940212 675 | 0.7+ | 0.2- | 950731 118 | 0.1- | 0.2+ |
| 940111 675 | 0.5+ | 0.3- | 940212 675 | 0.0 | 0.3+ | 950802 118 | 0.5- | 0.1+ |
| 940113 400 | 0.6+ | 0.3+ | 940215 675 | 0.4+ | 0.8- | 950802 118 | 0.0 | 0.3+ |
| 940113 400 | 0.8- | 0.6+ | 940215 675 | 0.5+ | 0.9- | 950803 118 | 0.5+ | 1.1- |
| 940115 399 | 1.0+ | 0.1- | 940311 098 | 0.4- | 1.1+ | 950803 118 | 0.5+ | 0.5- |
| 940115 399 | 1.9- | 0.8+ | 940311 098 | 0.5- | 0.5+ | | | |

1994 EZ₁

Id. C. P. de Saint-Aignan (1991 observations)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | | Williams | | | | |
|----------|------------|--------------------|---------------|-------------|----------|--|--|
| <i>M</i> | 110.93119 | (2000.0) | P | | Q | | |
| <i>n</i> | 0.21202602 | ω 156.00319 | -0.90990599 | +0.39480103 | | | |
| <i>a</i> | 2.7853297 | Ω 47.87880 | -0.40292153 | -0.76822361 | | | |
| <i>e</i> | 0.0937544 | <i>i</i> 9.88176 | -0.09861710 | -0.50394905 | | | |
| <i>P</i> | 4.65 | <i>H</i> 12.5 | <i>G</i> 0.15 | <i>U</i> 4 | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------|-------|------------|-------|-------|
| 910912 675 | 0.7- | 0.4+ | 940314 098 | 0.3+ | 0.5+ | 940406 111 | 0.1- | 0.0 |
| 910912 675 | 0.1- | 0.3- | 940314 098 | 0.6- | 0.2- | 940406 111 | 0.3- | 0.5+ |
| 910916 675 | 1.4+ | 0.2- | 940319 108 | 0.2+ | 0.3- | 940406 111 | (2.8- | 0.7+) |
| 910916 675 | 0.2- | 0.3- | 940319 108 | 1.1+ | 0.7+ | 940406 111 | 1.0- | 1.7+ |
| 910917 675 | 0.5- | 0.5+ | 940319 108 | (3.0- | 1.9+) | 940406 111 | 0.6- | 1.8+ |
| 910917 675 | 0.1+ | 0.2- | 940329 111 | (0.9+ | 3.1-) | 940430 111 | 0.4- | 0.2+ |
| 940312 098 | 0.1- | 0.6+ | 940329 111 | 0.7+ | 1.9- | 940430 111 | 1.0+ | 0.7- |
| 940312 098 | 0.2- | 0.0 | 940329 111 | 0.7+ | 0.8- | 940430 111 | 1.4- | 0.6- |
| 940313 098 | 0.7- | 1.6- | 940329 111 | (3.1+ | 1.3+) | 940430 111 | 1.4+ | 0.2- |

1994 FS

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | | Williams | | | | |
|----------|------------|--------------------|---------------|-------------|----------|--|--|
| <i>M</i> | 47.75564 | (2000.0) | P | | Q | | |
| <i>n</i> | 0.25893168 | ω 64.03214 | -0.00384355 | +0.99989180 | | | |
| <i>a</i> | 2.4378815 | Ω 205.75959 | -0.92876370 | -0.00883254 | | | |
| <i>e</i> | 0.1825721 | <i>i</i> 1.87234 | -0.37065243 | +0.01176360 | | | |
| <i>P</i> | 3.81 | <i>H</i> 14.0 | <i>G</i> 0.15 | <i>U</i> 4 | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 940212 675 | 0.0 | 0.9- | 940330 595 | 0.0 | 0.0 | 940406 595 | 0.8- | 0.3+ |
| 940212 675 | 0.5- | 0.5- | 940330 595 | 1.1- | 0.3+ | 950721 595 | 0.2+ | 0.0 |
| 940215 675 | 0.5+ | 0.4- | 940330 595 | 0.1- | 0.0 | 950721 595 | 0.1- | 0.2- |
| 940215 675 | 0.1- | 0.5+ | 940331 595 | 1.3+ | 0.5- | 950721 595 | 0.3- | 0.1- |
| 940306 691 | 0.0 | 0.0 | 940401 595 | 0.7+ | 0.3+ | 950721 595 | 0.3+ | 0.2- |

| | | | | | |
|------------|------|------|------------|------|------|
| 940306 691 | 0.3+ | 0.2+ | 940404 595 | 0.0 | 0.2+ |
| 940306 691 | 0.3- | 0.3- | 940406 595 | 0.2- | 0.3+ |

1994 GQ

Id. C. P. de Saint-Aignan (1991 observations)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | | Bowell | | | | |
|----------|------------|--------------------|---------------|-------------|----------|--|--|
| <i>M</i> | 148.51150 | (2000.0) | P | | Q | | |
| <i>n</i> | 0.19845576 | ω 111.81440 | -0.87427091 | -0.46023382 | | | |
| <i>a</i> | 2.9108975 | Ω 41.22237 | +0.31165490 | -0.77598276 | | | |
| <i>e</i> | 0.0967463 | <i>i</i> 13.54918 | +0.37218490 | -0.43131844 | | | |
| <i>P</i> | 4.97 | <i>H</i> 12.4 | <i>G</i> 0.15 | <i>U</i> 2 | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------|-------|------------|-------|-------|
| 510901 675 | 0.1- | 0.2- | 940405 400 | 0.0 | 1.1- | 940505 400 | 0.6- | 0.2- |
| 510901 675 | 0.1+ | 0.1+ | 940405 400 | 1.7+ | 0.2+ | 940505 400 | 0.1+ | 1.0+ |
| 910912 675 | 0.5- | 0.6+ | 940408 400 | 0.2- | 1.5+ | 940516 691 | 0.0 | 0.3+ |
| 910912 675 | 0.7- | 0.7- | 940408 400 | 0.8+ | 0.8- | 940516 691 | 1.3- | 0.2+ |
| 910917 675 | 1.3+ | 0.6+ | 940415 400 | 0.6- | 0.7- | 940516 691 | (2.4- | 0.1+) |
| 910917 675 | 0.2- | 0.4- | 940415 400 | (4.0- | 1.3-) | | | |

1994 JG₉ = 1958 TP = 1974 OP = 1978 NV₂

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | | Williams | | | | |
|----------|------------|--------------------|---------------|-------------|----------|--|--|
| <i>M</i> | 62.13946 | (2000.0) | P | | Q | | |
| <i>n</i> | 0.24169098 | ω 202.18135 | +0.82397861 | +0.55153471 | | | |
| <i>a</i> | 2.5524804 | Ω 123.69507 | -0.49360145 | +0.81124005 | | | |
| <i>e</i> | 0.3065887 | <i>i</i> 8.98089 | -0.27823886 | +0.19416245 | | | |
| <i>P</i> | 4.08 | <i>H</i> 14.0 | <i>G</i> 0.15 | <i>U</i> 3 | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|--------|------------|------|------|------------|------|------|
| 541124 675 | 0.6+ | 0.3- | 780709 095 | 0.4- | 1.4- | 940515 675 | 0.3- | 0.2- |
| 541124 675 | 0.2+ | 0.4- | 780711 095 | 0.7+ | 0.7+ | 940516 675 | 0.2+ | 1.0- |
| 581013 760 | 0.3- | 0.3- | 860504 675 | 1.0- | 1.8+ | 940516 675 | 0.3+ | 0.1- |
| 581013 760 | 0.4- | 0.9+ | 860504 675 | 0.7+ | 0.5+ | 940607 675 | 0.5- | 0.0 |
| 740725 095 | (0.4+ | 16.4-) | 940515 675 | 0.5+ | 0.3+ | 940607 675 | 0.3- | 0.8- |

1994 JK₉

Id. C. P. de Saint-Aignan (1992 observations)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| | | | Bowell | | | | |
|----------|------------|--------------------|---------------|-------------|----------|--|--|
| <i>M</i> | 133.95361 | (2000.0) | P | | Q | | |
| <i>n</i> | 0.23389881 | ω 132.37378 | -0.83195932 | +0.49205178 | | | |
| <i>a</i> | 2.6088596 | Ω 78.62668 | -0.55404454 | -0.71208044 | | | |
| <i>e</i> | 0.1622571 | <i>i</i> 15.15976 | -0.02963662 | -0.50082581 | | | |
| <i>P</i> | 4.21 | <i>H</i> 13.1 | <i>G</i> 0.15 | <i>U</i> 1 | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 541123 675 | 0.0 | 0.0 | 921128 675 | 0.4- | 0.8- | 940516 675 | 0.1+ | 0.1+ |
| 890110 675 | 0.2- | 0.0 | 921201 675 | 0.6+ | 0.3+ | 940516 675 | 0.1+ | 0.2+ |
| 890110 675 | 0.3+ | 0.0 | 940515 675 | 0.3+ | 0.0 | 940607 675 | 0.3- | 0.9- |
| 921128 675 | 0.2- | 0.3+ | 940515 675 | 0.0 | 0.1+ | 940607 675 | 0.1- | 0.3+ |

1994 LS

Id. G. V. Williams (1992 observations), T. B. Spahr (1990 observations)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Williams

| <i>M</i> | 168.03677 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.27143925 | ω 73.86850 | -0.88557152 | +0.31828434 |
| <i>a</i> | 2.3624047 | Ω 123.49073 | -0.38693857 | -0.90843346 |
| <i>e</i> | 0.2111441 | <i>i</i> 23.93297 | +0.25698563 | -0.27100504 |
| <i>P</i> | 3.63 | <i>H</i> 14.5 | <i>G</i> 0.15 | <i>U</i> 2 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 900129 675 | 0.6- | 0.6+ | 940508 693 | 1.5- | 0.7+ | 940605 693 | 0.5+ | 1.1+ |
| 900129 675 | 0.6+ | 0.4- | 940508 693 | 0.6+ | 0.0 | 940612 693 | 0.5+ | 0.5- |
| 921201 691 | 0.3- | 0.1+ | 940603 675 | 0.9+ | 0.1- | 940612 693 | 0.1- | 0.9- |
| 921201 691 | 0.2- | 0.4+ | 940603 675 | 0.5- | 0.3- | 940827 413 | 0.3- | 0.4+ |
| 921201 691 | 0.2+ | 0.4+ | 940605 693 | 0.4+ | 0.1+ | 940827 413 | 0.5- | 0.6+ |

1994 TF₂
 Id. P. Pravec (1995 observations), R. H. McNaught (1995 observations)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Williams

| <i>M</i> | 228.87526 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.99570874 | ω 349.60858 | -0.96693752 | -0.25290525 |
| <i>a</i> | 0.9932254 | Ω 175.34065 | +0.25317448 | -0.96741110 |
| <i>e</i> | 0.2837506 | <i>i</i> 23.75539 | +0.03056993 | +0.01243802 |
| <i>P</i> | 0.99 | <i>H</i> 19.0 | <i>G</i> 0.15 | <i>U</i> 4 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 941005 413 | 0.8- | 0.5+ | 941112 413 | 1.4+ | 0.7- | 950803 557 | 0.6+ | 0.9+ |
| 941005 413 | 0.6- | 1.3- | 941112 413 | 0.9+ | 0.3+ | 950803 557 | 0.9+ | 1.2+ |
| 941007 474 | 0.5+ | 0.1+ | 941220 413 | 0.1- | 0.2- | 950806 413 | 1.1+ | 0.2- |
| 941011 413 | (0.4- | 2.8-) | 941220 413 | 0.6- | 0.1- | 950806 413 | 0.2- | 0.5- |
| 941011 413 | 0.7+ | 0.2- | 941220 413 | 0.2- | 0.2+ | 950807 104 | 0.4- | 0.2+ |
| 941012 413 | 0.6- | 0.4+ | 941221 413 | 0.5- | 0.1+ | 950807 104 | 0.1+ | 0.2- |
| 941111 413 | 0.4+ | 0.9+ | 941221 413 | 0.6- | 0.1- | 950807 104 | 0.8- | 0.3- |
| 941111 413 | 0.7+ | 0.5+ | 941221 413 | 0.2- | 0.1- | 950807 104 | 1.0- | 0.5- |

1994 UZ

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Williams

| <i>M</i> | 92.96134 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.26906196 | ω 52.25433 | +0.81667056 | -0.57701869 |
| <i>a</i> | 2.3762995 | Ω 342.97956 | +0.51823831 | +0.74083185 |
| <i>e</i> | 0.2105108 | <i>i</i> 1.94436 | +0.25392570 | +0.34382787 |
| <i>P</i> | 3.66 | <i>H</i> 14.5 | <i>G</i> 0.15 | <i>U</i> 4 |

From 27 observations 1994 Oct. 28-1995 Feb. 1, mean residual 0^h55.

1995 BO₁ = 1980 TA₁₅ = 1992 HV₄
 Id. G. V. Williams, S. Nakano

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Nakano

| <i>M</i> | 34.93465 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.29260520 | ω 277.53678 | -0.99260072 | -0.10481685 |
| <i>a</i> | 2.2470601 | Ω 256.46122 | +0.12037369 | -0.91568605 |
| <i>e</i> | 0.0772048 | <i>i</i> 3.61480 | -0.01593676 | -0.38798515 |
| <i>P</i> | 3.37 | <i>H</i> 13.6 | <i>G</i> 0.15 | <i>U</i> 4 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 801015 095 | 0.0 | 0.1- | 950125 894 | 0.0 | 1.1+ | 950201 894 | 0.3+ | 0.6+ |
| 920423 809 | 0.5- | 0.1+ | 950125 894 | 0.1+ | 1.3+ | 950201 894 | 0.1+ | 0.1- |
| 920423 809 | 0.2- | 0.0 | 950127 894 | 0.2+ | 0.4+ | 950202 905 | 0.1+ | 1.0- |
| 920423 809 | 0.3+ | 0.2+ | 950127 894 | 1.0- | 0.6- | 950202 905 | 0.6+ | 0.5- |

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 920424 809 | 0.1- | 0.4- | 950131 905 | 0.0 | 0.1+ | 950205 894 | 0.9+ | 0.7- |
| 920424 809 | 0.6+ | 0.1+ | 950131 905 | 0.3+ | 0.1- | 950205 894 | 1.6- | 0.6- |

1995 DU₁
 Id. E. Bowell (1995 observations)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Williams

| <i>M</i> | 78.21451 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.27859821 | ω 21.35091 | -0.68309080 | -0.62306251 |
| <i>a</i> | 2.3217591 | Ω 114.16495 | +0.59490502 | -0.77732645 |
| <i>e</i> | 0.1894838 | <i>i</i> 24.68447 | +0.42364488 | +0.08692925 |
| <i>P</i> | 3.54 | <i>H</i> 14.0 | <i>G</i> 0.15 | <i>U</i> 3 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 551212 675 | 0.0 | 0.7+ | 950301 657 | 0.3- | 0.0 | 950402 693 | 0.3- | 0.2- |
| 551212 675 | 0.5- | 0.2- | 950301 657 | 0.7+ | 0.3- | 950402 693 | 0.2- | 0.2- |
| 880219 675 | 0.6+ | 0.0 | 950301 657 | 0.1+ | 0.5- | 950402 693 | 0.3- | 0.2- |
| 880219 675 | 1.2+ | 0.4- | 950302 657 | 0.1+ | 0.0 | 950504 104 | 0.5- | 0.1+ |
| 950225 693 | 0.4+ | 0.6- | 950302 657 | 0.3+ | 0.1+ | 950504 104 | 0.2- | 1.0+ |
| 950225 693 | 0.2- | 0.1- | 950302 657 | 0.5+ | 0.0 | 950504 104 | 0.3- | 0.9+ |
| 950226 693 | 0.1- | 0.4+ | 950322 608 | 0.4- | 0.1+ | 950530 658 | 0.9- | 0.1- |
| 950301 657 | 0.4+ | 0.2- | 950322 608 | 0.5- | 0.1+ | 950530 658 | 1.1- | 0.0 |

1995 FA₁

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Williams

| <i>M</i> | 23.85841 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.31031343 | ω 29.46465 | -0.39107137 | +0.92019649 |
| <i>a</i> | 2.1607391 | Ω 217.52175 | -0.84989503 | -0.36830662 |
| <i>e</i> | 0.1285976 | <i>i</i> 1.63392 | -0.35318779 | -0.13262219 |
| <i>P</i> | 3.18 | <i>H</i> 15.5 | <i>G</i> 0.15 | <i>U</i> 5 |

From 19 observations 1995 Mar. 31-July 28, mean residual 0^h59.

1995 JC

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Marsden

| <i>M</i> | 17.84644 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.23826610 | ω 209.10560 | -0.24822757 | +0.96704952 |
| <i>a</i> | 2.5768820 | Ω 46.58518 | -0.87302313 | -0.19802978 |
| <i>e</i> | 0.2338667 | <i>i</i> 4.46528 | -0.41977815 | -0.15999826 |
| <i>P</i> | 4.14 | <i>H</i> 15.5 | <i>G</i> 0.15 | <i>U</i> 4 |

From 35 observations 1995 May 2-July 16, mean residual 0^h52.

1995 JD

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 Marsden

| <i>M</i> | 50.94048 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.21638970 | ω 340.78513 | -0.96666543 | +0.25246667 |
| <i>a</i> | 2.7477570 | Ω 213.92964 | -0.22377757 | -0.91398680 |
| <i>e</i> | 0.2352074 | <i>i</i> 4.38164 | -0.12442488 | -0.31762982 |
| <i>P</i> | 4.55 | <i>H</i> 15.0 | <i>G</i> 0.15 | <i>U</i> 4 |

From 33 observations 1995 May 3-July 16, mean residual 0^h50.

1995 KF
 Id. T. B. Spahr (1991 observations)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| M 29.81955 | | | (2000.0) | | | Williams | | |
|------------|------------|--------------------|---------------|-------------|--|----------|--|--|
| | P | Q | | | | | | |
| <i>n</i> | 0.26115671 | ω 118.96663 | -0.34586974 | +0.88658219 | | | | |
| <i>a</i> | 2.4240147 | Ω 127.45713 | -0.93753342 | -0.31347233 | | | | |
| <i>e</i> | 0.2803250 | <i>i</i> 22.76438 | -0.03748604 | -0.34015749 | | | | |
| <i>P</i> | 3.77 | <i>H</i> 15.0 | <i>G</i> 0.15 | <i>U</i> 4 | | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 910209 675 | 0.9+ | 1.2+ | 950531 658 | 0.5- | 0.1+ | 950618 816 | 0.8+ | 1.4+ |
| 910209 675 | 0.2+ | 0.7+ | 950531 658 | 0.5- | 0.1+ | 950618 816 | 0.8+ | 1.3+ |
| 910213 675 | 0.4+ | 1.0+ | 950607 104 | 0.0 | 0.2- | 950618 816 | 1.2+ | 2.0+ |
| 910213 675 | 1.3- | 1.7- | 950607 104 | 0.0 | 0.2+ | 950619 104 | 0.1+ | 0.7- |
| 950524 693 | 1.3- | 2.6- | 950607 104 | 0.2+ | 0.3+ | 950619 104 | 0.4+ | 1.1- |
| 950524 693 | 1.8- | 2.0- | 950607 104 | 0.1+ | 0.1- | 950619 104 | 0.3+ | 1.6- |
| 950525 693 | 0.0 | 0.1- | 950609 608 | 0.1- | 0.5+ | 950619 104 | 0.4+ | 1.3- |
| 950525 693 | 0.9- | 0.4+ | 950609 608 | 0.1- | 0.4+ | 950621 608 | 0.5- | 0.9- |
| 950526 693 | 0.2+ | 0.4- | 950614 608 | 0.3+ | 0.4+ | 950621 608 | 0.3- | 0.8- |
| 950526 693 | 0.1+ | 0.3- | 950614 608 | 0.2+ | 0.1+ | 950623 658 | 0.1+ | 0.1+ |
| 950530 658 | 0.5- | 0.2+ | 950617 816 | 0.6+ | 0.7+ | 950623 658 | 0.0 | 0.2+ |
| 950530 658 | 0.6- | 0.1+ | 950617 816 | 0.6+ | 0.9+ | 950623 608 | 0.3+ | 0.1+ |
| 950530 658 | 0.5- | 0.1+ | 950617 816 | 0.7+ | 0.9+ | 950623 608 | 0.5+ | 0.5+ |
| 950531 658 | 0.5- | 0.1+ | 950617 816 | 0.6+ | 1.1+ | | | |

1995 KA₁

Id. T. B. Spahr (1988 observations)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| M 3.26200 | | | (2000.0) | | | Williams | | |
|-----------|------------|--------------------|---------------|-------------|--|----------|--|--|
| | P | Q | | | | | | |
| <i>n</i> | 0.26943924 | ω 111.88271 | +0.46117225 | +0.88661250 | | | | |
| <i>a</i> | 2.3740807 | Ω 185.94960 | -0.88636729 | +0.45849116 | | | | |
| <i>e</i> | 0.2316943 | <i>i</i> 19.84700 | -0.04090455 | +0.06086165 | | | | |
| <i>P</i> | 3.66 | <i>H</i> 14.5 | <i>G</i> 0.15 | <i>U</i> 4 | | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 880815 675 | 0.0 | 0.5- | 950601 691 | 2.4+ | 0.1+ | 950610 816 | 0.9- | 1.3- |
| 880815 675 | 0.2- | 0.5- | 950601 691 | 1.3+ | 0.1- | 950615 608 | 0.3+ | 0.0 |
| 880817 675 | 0.8+ | 0.7+ | 950603 658 | 2.8+ | 0.8+ | 950615 608 | 0.4+ | 0.2- |
| 880817 675 | 0.8+ | 0.2+ | 950603 658 | 2.8+ | 0.7+ | 950620 104 | 0.2+ | 0.7+ |
| 880914 675 | 1.4- | 0.7- | 950603 658 | 2.9+ | 0.7+ | 950620 104 | 0.2+ | 0.7+ |
| 880914 675 | 0.0 | 0.2+ | 950607 104 | 0.9- | 0.6- | 950620 104 | 0.7+ | 0.7+ |
| 950526 693 | 0.2+ | 0.1+ | 950607 104 | 1.0- | 0.3- | 950620 104 | 0.6+ | 0.7+ |
| 950527 693 | 1.1- | 0.9+ | 950607 104 | 0.6- | 0.6- | 950623 816 | 0.1+ | 0.2+ |
| 950527 693 | 0.2+ | 0.3- | 950607 104 | 0.4- | 1.4- | 950623 816 | 0.0 | 0.6+ |
| 950527 691 | 1.1- | 0.2- | 950608 608 | 0.1+ | 0.8- | 950623 816 | 0.4- | 0.2+ |
| 950527 691 | 1.4- | 0.0 | 950608 608 | 0.0 | 0.1- | 950624 658 | 0.2- | 0.9+ |
| 950531 658 | 0.1- | 0.2- | 950609 816 | 1.1- | 0.7- | 950624 658 | 0.2- | 1.0+ |
| 950531 658 | 0.2- | 0.2- | 950609 816 | 0.7- | 0.5- | 950625 658 | 0.6- | 0.8+ |
| 950531 658 | 0.8- | 0.1- | 950609 816 | 0.8- | 0.5- | 950625 658 | 0.5- | 0.9+ |
| 950601 658 | 0.0 | 0.4- | 950609 608 | 1.0- | 0.6- | 950625 658 | 0.6- | 0.9+ |
| 950601 658 | 0.1+ | 0.4- | 950609 608 | 1.0- | 0.4- | | | |
| 950601 658 | 0.1+ | 0.4- | 950610 816 | 0.3- | 1.0- | | | |

1995 KL₁ = 1974 PE

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| M 62.92192 | | | (2000.0) | | | Williams | | |
|------------|------------|--------------------|---------------|-------------|--|----------|--|--|
| | P | Q | | | | | | |
| <i>n</i> | 0.28058038 | ω 284.52838 | -0.57089231 | +0.76360556 | | | | |
| <i>a</i> | 2.3108115 | Ω 306.58212 | -0.53072086 | -0.62354364 | | | | |
| <i>e</i> | 0.2084155 | <i>i</i> 22.06409 | -0.62643223 | -0.16763015 | | | | |
| <i>P</i> | 3.51 | <i>H</i> 13.5 | <i>G</i> 0.15 | <i>U</i> 3 | | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 740813 675 | 0.1- | 0.6- | 950602 413 | 0.1- | 0.4+ | 950619 413 | 0.0 | 0.1- |
| 740814 675 | 0.3+ | 0.1- | 950604 413 | 0.0 | 0.3+ | 950619 413 | 0.2+ | 0.0 |
| 740816 675 | 0.1- | 0.7+ | 950604 413 | 0.0 | 0.2+ | 950706 413 | 0.5- | 0.6- |
| 950531 413 | 0.6- | 0.0 | 950608 413 | 0.1+ | 0.2+ | 950706 413 | 0.2- | 0.6- |
| 950531 413 | 0.7+ | 1.2- | 950608 413 | 0.1+ | 0.2+ | 950720 413 | 0.1+ | 0.3+ |
| 950602 413 | 0.2- | 0.3+ | 950619 413 | 0.1+ | 0.0 | 950720 413 | 0.1+ | 0.4+ |

1995 LE

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| M 15.74242 | | | (2000.0) | | | Williams | | |
|------------|------------|--------------------|---------------|-------------|--|----------|--|--|
| | P | Q | | | | | | |
| <i>n</i> | 0.23752149 | ω 75.19280 | +0.88745407 | +0.45544642 | | | | |
| <i>a</i> | 2.5822648 | Ω 257.67144 | -0.44578561 | +0.80927089 | | | | |
| <i>e</i> | 0.5715663 | <i>i</i> 4.14812 | -0.11704898 | +0.37101104 | | | | |
| <i>P</i> | 4.15 | <i>H</i> 17.5 | <i>G</i> 0.15 | <i>U</i> 5 | | | | |

From 39 observations 1995 June 3-Aug. 7, mean residual 0^u.60.**1995 LJ = 1988 PP₁ = 1988 QF₁**

Id. G. V. Williams, F. N. Bowman (d, MPC 15053)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| M 28.39077 | | | (2000.0) | | | Williams | | |
|------------|------------|--------------------|---------------|-------------|--|----------|--|--|
| | P | Q | | | | | | |
| <i>n</i> | 0.28098256 | ω 343.79489 | +0.49829504 | +0.86276014 | | | | |
| <i>a</i> | 2.3086060 | Ω 315.99453 | -0.78113999 | +0.40384861 | | | | |
| <i>e</i> | 0.3274002 | <i>i</i> 7.08714 | -0.37619460 | +0.30422235 | | | | |
| <i>P</i> | 3.51 | <i>H</i> 16.0 | <i>G</i> 0.15 | <i>U</i> 4 | | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 880814 511 | 0.5- | 0.7+ | 950605 413 | 2.0+ | 0.3- | 950620 413 | 0.4- | 0.3+ |
| 880814 511 | 0.1- | 0.6+ | 950605 413 | (6.4- | 3.7-) | 950706 413 | 0.4+ | 0.0 |
| 880815 511 | 1.8- | 0.4+ | 950608 413 | 0.7- | 0.3- | 950706 413 | 0.4+ | 0.2- |
| 880816 511 | 0.4+ | 0.3+ | 950608 413 | 0.7- | 0.3- | 950720 413 | 0.0 | 0.1- |
| 880818 511 | 0.3- | 0.9- | 950619 413 | 0.3- | 0.2+ | 950720 413 | 0.1- | 0.0 |
| 880818 511 | (1.4- | 2.9-) | 950619 413 | 0.2- | 0.2+ | | | |
| 880818 511 | 2.2+ | 1.0- | 950620 413 | 0.4- | 0.3+ | | | |

1995 MC = 1990 QP₁₉

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| M 334.51710 | | | (2000.0) | | | Williams | | |
|-------------|------------|--------------------|---------------|-------------|--|----------|--|--|
| | P | Q | | | | | | |
| <i>n</i> | 0.18113284 | ω 13.29065 | +0.71289793 | +0.63899644 | | | | |
| <i>a</i> | 3.0936505 | Ω 303.15490 | -0.67082611 | +0.50133535 | | | | |
| <i>e</i> | 0.2859786 | <i>i</i> 20.18634 | -0.20437434 | +0.58339216 | | | | |
| <i>P</i> | 5.44 | <i>H</i> 12.5 | <i>G</i> 0.15 | <i>U</i> 5 | | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 900827 413 | 0.6+ | 0.1+ | 950625 422 | 0.1- | 0.2+ | 950706 413 | 0.8+ | 0.5+ |
| 900827 413 | 1.3- | 1.8- | 950625 422 | 0.7+ | 0.1- | 950720 413 | 0.3- | 0.5- |
| 900828 413 | 0.7+ | 1.7+ | 950706 413 | 0.7+ | 0.3+ | 950720 413 | 0.7- | 0.1- |
| 950623 413 | 0.1- | 0.5- | 950706 413 | 0.4+ | 0.3+ | | | |
| 950623 413 | 1.6- | 0.2- | 950706 413 | 0.2+ | 0.3+ | | | |

1995 MG₁ = 1971 CB = 1974 UD = 1992 WU₈

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

Williams

| <i>M</i> | 237.39259 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.21972570 | ω 243.71559 | +0.72557348 | -0.68595369 |
| <i>a</i> | 2.7198742 | Ω 159.44483 | +0.67386932 | +0.69210259 |
| <i>e</i> | 0.2927979 | <i>i</i> 8.99073 | +0.13943909 | +0.22463647 |
| <i>P</i> | 4.49 | <i>H</i> 13.5 | <i>G</i> 0.15 | <i>U</i> 3 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|--------|-------|------------|------|------|------------|------|------|
| 710201 029 | 0.4+ | 0.4- | 921128 675 | 0.1- | 0.6- | 950629 691 | 0.1+ | 0.0 |
| 710202 029 | 0.4- | 0.4+ | 950622 691 | 0.1- | 0.0 | 950704 691 | 0.3+ | 0.3- |
| 741024 095 | (24.9+ | 9.8+) | 950622 691 | 0.2- | 0.2+ | 950704 691 | 0.1+ | 0.1+ |
| 921126 675 | 0.1- | 0.3+ | 950622 691 | 0.1- | 0.2- | 950704 691 | 0.1+ | 0.4+ |
| 921126 675 | 0.4- | 0.8+ | 950629 691 | 0.1+ | 0.4- | | | |
| 921128 675 | 0.6+ | 0.5- | 950629 691 | 0.1- | 0.0 | | | |

1995 OK = 1994 CQ₁₈

Id. G. V. Williams

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

Marsden

| <i>M</i> | 3.19543 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.28140519 | ω 204.07177 | +0.85627101 | +0.50691442 |
| <i>a</i> | 2.3062939 | Ω 125.10279 | -0.45205748 | +0.82834922 |
| <i>e</i> | 0.1402171 | <i>i</i> 6.96341 | -0.24988796 | +0.23848550 |
| <i>P</i> | 3.50 | <i>H</i> 15.5 | <i>G</i> 0.15 | <i>U</i> 4 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 940208 809 | 2.0+ | 0.4+ | 950724 557 | 0.1+ | 0.1- | 950726 557 | 0.0 | 0.1- |
| 940208 809 | 0.9+ | 0.1+ | 950724 557 | 0.1- | 0.1+ | 950729 557 | 0.1+ | 0.2- |
| 940208 809 | 0.4- | 0.1+ | 950724 557 | 0.1- | 0.1+ | 950729 557 | 0.3- | 0.3- |
| 940210 809 | 0.6- | 0.1- | 950724 557 | 0.1- | 0.1+ | 950805 557 | 0.1- | 0.3+ |
| 940210 809 | 0.2- | 0.4- | 950724 557 | 0.0 | 0.0 | 950805 557 | 0.0 | 0.1+ |
| 940210 809 | 1.6- | 0.1- | 950724 557 | 0.0 | 0.2+ | 950805 557 | 0.2+ | 0.0 |
| 950723 557 | 0.1+ | 0.2- | 950726 557 | 0.1+ | 0.1+ | | | |

1995 OT = 1985 SG₆ = 1985 US₆ = 1985 VZ₅

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

(M-c) Urata

| <i>M</i> | 22.91574 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.28594816 | ω 268.67766 | +0.52815860 | +0.84821548 |
| <i>a</i> | 2.2818014 | Ω 33.30064 | -0.74746081 | +0.48660752 |
| <i>e</i> | 0.2047763 | <i>i</i> 4.15044 | -0.40292782 | +0.20914974 |
| <i>P</i> | 3.45 | <i>H</i> 14.0 | <i>G</i> 0.15 | <i>U</i> 5 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 850921 095 | 0.2+ | 0.5- | 950724 905 | 0.1- | 0.4- | 950726 905 | 0.1+ | 0.0 |
| 851018 095 | 1.2+ | 0.1+ | 950724 905 | 0.1- | 0.6- | 950730 905 | 0.1+ | 0.4- |
| 851112 095 | 1.5- | 0.3+ | 950726 905 | 0.0 | 0.6+ | 950730 905 | 0.1- | 0.8+ |

1995 OU = 1991 PL₁₄

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

(M-c) Urata

| <i>M</i> | 27.23929 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.24218643 | ω 288.85013 | +0.33739587 | +0.94136168 |
| <i>a</i> | 2.5489981 | Ω 0.87235 | -0.82279891 | +0.29566723 |
| <i>e</i> | 0.2211388 | <i>i</i> 5.59802 | -0.45734667 | +0.16253944 |
| <i>P</i> | 4.07 | <i>H</i> 14.0 | <i>G</i> 0.15 | <i>U</i> 5 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 910806 675 | 0.5- | 0.2+ | 950724 905 | 0.4- | 0.7+ | 950730 905 | 0.9+ | 0.2- |
| 910806 675 | 0.1+ | 0.8+ | 950724 905 | 0.3- | 0.0 | 950730 905 | 0.3- | 0.0 |

910810 675 0.1- 0.3- 950726 905 0.3- 0.3-

910810 675 0.5+ 0.5- 950726 905 0.4+ 0.4-

1995 OV = 1994 CW₁₀

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

(M-c) Urata

| <i>M</i> | 29.35029 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.21891089 | ω 296.79674 | +0.23124102 | +0.97238286 |
| <i>a</i> | 2.7266191 | Ω 346.46074 | -0.83779992 | +0.18250879 |
| <i>e</i> | 0.2487485 | <i>i</i> 7.75971 | -0.49458961 | +0.14547202 |
| <i>P</i> | 4.50 | <i>H</i> 13.0 | <i>G</i> 0.15 | <i>U</i> 6 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 940207 809 | 1.8+ | 1.0+ | 940209 809 | 0.1- | 0.3- | 950726 905 | 0.4+ | 0.5+ |
| 940207 809 | 0.0 | 1.2+ | 940209 809 | 1.0- | 1.3- | 950726 905 | 0.3+ | 0.6- |
| 940207 809 | 1.1- | 0.3- | 950724 905 | 0.1- | 0.2- | 950730 905 | 0.3+ | 0.4+ |
| 940209 809 | 0.4+ | 0.1- | 950724 905 | 0.4- | 0.2- | 950730 905 | 0.5- | 0.3+ |

1995 OA₂ = 1985 QT₃ = 1986 WM₉

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

Williams

| <i>M</i> | 63.43577 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.19176749 | ω 32.77270 | -0.35354968 | +0.93005230 |
| <i>a</i> | 2.9781922 | Ω 216.80131 | -0.89016487 | -0.36737400 |
| <i>e</i> | 0.0606164 | <i>i</i> 9.61215 | -0.28741804 | -0.00624966 |
| <i>P</i> | 5.14 | <i>H</i> 13.5 | <i>G</i> 0.15 | <i>U</i> 4 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 850823 675 | 0.1+ | 0.4- | 861201 381 | 1.3+ | 0.9+ | 950729 966 | 0.3- | 0.1+ |
| 850823 675 | 0.1- | 0.3+ | 950725 966 | 0.2- | 0.5- | 950729 966 | 0.2- | 0.2- |
| 861130 381 | 1.3+ | 1.9+ | 950726 966 | 0.4- | 0.1- | 950802 966 | 0.8+ | 0.0 |
| 861130 381 | 2.5- | 1.7- | 950727 966 | 0.5+ | 0.4+ | 950803 966 | 0.0 | 0.4+ |
| 861201 381 | 0.1- | 1.0- | 950728 966 | 0.7- | 0.2- | 950803 966 | 0.4+ | 0.3+ |

6612 P-L = 1990 WF₆ = 1990 WH₇Id. B. G. Marsden (*MPC* 18303), G. V. Williams (d, *ibid.*)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

Williams

| <i>M</i> | 146.95643 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.23420714 | ω 149.07991 | +0.77914428 | +0.62677106 |
| <i>a</i> | 2.6065694 | Ω 172.08664 | -0.58843518 | +0.73659734 |
| <i>e</i> | 0.1393006 | <i>i</i> 3.99988 | -0.21605144 | +0.25413069 |
| <i>P</i> | 4.21 | <i>H</i> 14.5 | <i>G</i> 0.15 | <i>U</i> 4 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------|-------|------------|------|------|
| 550522 675 | 0.0 | 0.2+ | 601024 675 | 0.6+ | 0.1+ | 901121 809 | 1.0- | 1.5- |
| 600924 675 | 0.1- | 0.3- | 601026 675 | 0.1+ | 0.0 | 901122 809 | 1.4+ | 1.0+ |
| 600926 675 | 0.3- | 0.3- | 901117 809 | 0.3+ | 0.4+ | 901122 809 | 0.2- | 0.7+ |
| 601017 675 | 0.7+ | 0.3+ | 901121 809 | (6.7- | 0.2-) | 901122 809 | 0.4- | 0.5- |
| 601022 675 | 1.0- | 0.3+ | 901121 809 | (7.5- | 0.1-) | | | |

2246 T-2 = 1995 OW

| Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 | | Nakano | |
|---|------------|--------------------|--------------------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>n</i> | 0.22085380 | ω 126.62710 | +0.68628216 +0.72729571 |
| <i>a</i> | 2.7106044 | Ω 186.72503 | -0.68631941 +0.64408705 |
| <i>e</i> | 0.1999804 | <i>i</i> 3.72055 | -0.24079548 +0.23705024 |
| <i>P</i> | 4.46 | <i>H</i> 15.1 | <i>G</i> 0.15 <i>U</i> 5 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 730919 675 | 0.3- | 0.4+ | 730929 675 | 0.0 | 0.8+ | 731005 675 | 0.3+ | 0.1+ |
| 730919 675 | 0.7+ | 0.1- | 730929 675 | 0.2- | 0.8+ | 950726 358 | 0.2- | 0.1+ |
| 730920 675 | (3.3+ | 2.0-) | 730930 675 | 0.1+ | 0.9- | 950726 358 | 0.6+ | 0.4- |
| 730924 675 | 0.5- | 1.5+ | 730930 675 | 0.1- | 0.6- | 950727 358 | 0.3- | 0.2- |
| 730924 675 | 1.2- | 0.6+ | 731004 675 | 0.6- | 0.0 | 950727 358 | 0.1- | 0.5+ |
| 730925 675 | 0.5+ | 1.5- | 731004 675 | 0.2+ | 0.4+ | | | |
| 730925 675 | 0.8+ | 1.5- | 731005 675 | 0.2+ | 0.1+ | | | |

3155 T-2 = 1990 SP₂₄ = 1993 FR₈Id. G. V. Williams (*MPC* 23534, unpublished)

Epoch 1995 Oct. 10.0 TT = JDT 2450000.5

| Epoch 1995 Oct. 10.0 TT = JDT 2450000.5 | | Williams | |
|---|------------|--------------------|--------------------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>n</i> | 0.17515333 | ω 344.78045 | -0.56338489 -0.82299642 |
| <i>a</i> | 3.1636647 | Ω 139.43574 | +0.76920322 -0.55457371 |
| <i>e</i> | 0.1052174 | <i>i</i> 6.41210 | +0.30153585 -0.12298325 |
| <i>P</i> | 5.63 | <i>H</i> 13.0 | <i>G</i> 0.15 <i>U</i> 2 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------|-------|------------|------|------|
| 730919 675 | 1.0- | 0.5+ | 730930 675 | 0.3+ | 0.7- | 930317 809 | 1.6- | 1.7- |
| 730919 675 | 0.7+ | 0.5+ | 730930 675 | 0.7+ | 1.2- | 930318 809 | 0.5- | 1.3- |
| 730920 675 | 0.9+ | 0.0 | 731004 675 | 1.8- | 1.2+ | 930323 809 | 0.0 | 0.5- |
| 730924 675 | 1.2- | 1.1- | 731004 675 | 1.5- | 2.0+ | 930416 413 | 0.9+ | 0.1+ |
| 730924 675 | 1.5- | 0.6- | 731005 675 | 0.6+ | 0.4- | 950702 691 | 0.3+ | 0.0 |
| 730925 675 | 1.5+ | 1.3- | 731005 675 | 0.4+ | 1.5+ | 950702 691 | 0.1- | 0.2+ |
| 730925 675 | 1.3+ | 1.4- | 900925 809 | 0.7+ | 1.5- | 950702 691 | 0.0 | 0.2- |
| 730929 675 | 0.6- | 0.5+ | 900925 809 | 0.4+ | 2.2- | | | |
| 730929 675 | 0.9+ | 0.8+ | 900925 809 | (1.4- | 4.0-) | | | |

| Object | <i>H</i> | Epoch | <i>M</i> | ω | Ω | <i>i</i> | <i>e</i> | <i>a</i> | Obs. | Opp. & Arc | rms | Perts | <i>U</i> | Computer | <i>MPC</i> | Object |
|-----------------------|----------|--------|-----------|-----------|-----------|----------|-----------|-----------|------|-------------|------|-------|----------|----------|------------|-----------------------|
| 1933 FE ₁ | 14.0 | 951010 | 358.86921 | 311.14454 | 262.29203 | 2.20200 | 0.2202842 | 2.2885697 | 35 | 6 1933-1995 | 0.78 | M-v | 2 | Williams | 24758 | 1933 FE ₁ |
| 1968 OH | 13.5 | 951010 | 27.90987 | 56.47676 | 267.46311 | 11.34243 | 0.1686178 | 2.7078182 | 17 | 4 1968-1995 | 1.14 | M-v | 3 | Williams | 22072 | 1968 OH |
| 1969 TQ ₁ | 13.0 | 951010 | 232.24349 | 329.46016 | 68.79843 | 2.98660 | 0.1642391 | 3.1561697 | 19 | 4 1969-1991 | 0.94 | M-v | 2 | Williams | 19854 | 1969 TQ ₁ |
| 1975 EA ₃ | 13.5 | 951010 | 222.79572 | 175.62492 | 29.17498 | 3.54772 | 0.1447704 | 2.3595880 | 21 | 6 1954-1994 | 0.96 | M-v | 2 | Williams | 23868 | 1975 EA ₃ |
| 1975 VN ₅ | 13.5 | 951010 | 352.98883 | 253.47708 | 124.88677 | 7.11286 | 0.2455286 | 2.5416620 | 15 | 4 1950-1991 | 0.67 | M-v | 2 | Williams | 24116 | 1975 VN ₅ |
| 1976 GA ₂ | 14.5 | 951010 | 139.24521 | 29.37870 | 159.14378 | 2.22971 | 0.1712581 | 2.3632347 | 14 | 3 1976-1995 | 0.80 | M-v | 4 | Williams | 25326 | 1976 GA ₂ |
| 1977 EK ₁ | 14.5 | 951010 | 113.62264 | 5.22683 | 193.66079 | 5.19883 | 0.1527613 | 2.2928259 | 27 | 5 1977-1995 | 0.67 | M-v | 2 | Williams | 23535 | 1977 EK ₁ |
| 1978 CK | 12.0 | 951010 | 82.00614 | 141.31107 | 310.20457 | 20.74217 | 0.0588800 | 3.1779141 | 9 | 3 1978-1995 | 0.39 | M-v | 5 | Williams | 25326 | 1978 CK |
| 1978 RG ₁ | 13.0 | 951010 | 349.97063 | 201.42041 | 145.82157 | 1.76301 | 0.2396997 | 3.2234973 | 13 | 4 1977-1995 | 0.53 | M-v | 2 | Williams | 23535 | 1978 RG ₁ |
| 1978 UF ₆ | 14.0 | 951010 | 73.63374 | 280.30118 | 3.49125 | 6.48860 | 0.1324305 | 2.2670506 | 15 | 3 1954-1994 | 0.61 | M-v | 2 | Williams | 23778 | 1978 UF ₆ |
| 1978 VP ₁₁ | 12.5 | 951010 | 53.17399 | 259.29173 | 93.97585 | 3.11168 | 0.1795605 | 3.1667663 | 17 | 4 1978-1994 | 1.11 | M-v | 3 | Williams | 21927 | 1978 VP ₁₁ |
| 1979 MK ₃ | 13.0 | 951010 | 177.20289 | 332.72807 | 133.96514 | 6.14301 | 0.1242408 | 3.1142217 | 27 | 4 1955-1991 | 0.79 | M-v | 1 | Williams | 25077 | 1979 MK ₃ |
| 1979 QX ₉ | 12.5 | 951010 | 347.40413 | 118.52550 | 205.19061 | 1.51228 | 0.1774076 | 3.1421447 | 23 | 4 1951-1990 | 0.87 | M-v | 2 | Williams | 21965 | 1979 QX ₉ |
| 1979 TY ₁ | 14.0 | 951010 | 187.92127 | 30.90033 | 33.28317 | 8.50610 | 0.1491653 | 2.2944299 | 11 | 3 1951-1986 | 0.94 | M-v | 4 | Williams | 22073 | 1979 TY ₁ |
| 1980 DL | 14.5 | 951010 | 252.95940 | 152.00410 | 332.21801 | 3.93532 | 0.2686622 | 2.6245897 | 20 | 4 1980-1995 | 0.90 | M-v | 3 | Williams | 23510 | 1980 DL |
| 1980 DD ₁ | 12.5 | 951010 | 71.07051 | 208.59064 | 30.65819 | 9.63626 | 0.1023191 | 2.7794681 | 42 | 4 1952-1994 | 0.86 | M-v | 3 | Williams | 23535 | 1980 DD ₁ |
| 1980 FN ₁ | 14.5 | 951010 | 350.26074 | 312.34131 | 80.26115 | 0.53701 | 0.0204223 | 2.2592653 | 30 | 6 1951-1992 | 0.63 | M-v | 2 | Williams | 24406 | 1980 FN ₁ |
| 1980 KD | 11.5 | 951010 | 278.69516 | 65.79231 | 135.38347 | 8.79229 | 0.2026430 | 3.2049734 | 47 | 5 1954-1995 | 0.59 | M-v | 1 | Williams | 24910 | 1980 KD |
| 1980 PW | 14.5 | 951010 | 339.29873 | 54.13365 | 311.24414 | 4.02987 | 0.2138906 | 2.4225671 | 25 | 4 1950-1995 | 0.78 | M-v | 3 | Marsden | 25438 | 1980 PW |
| 1980 SG | 14.0 | 951010 | 335.03551 | 344.39748 | 22.09149 | 7.08272 | 0.1565963 | 2.4494278 | 27 | 6 1953-1995 | 0.91 | M-v | 2 | Williams | 23682 | 1980 SG |
| 1981 DB ₃ | 14.0 | 951010 | 342.60112 | 131.58763 | 231.71419 | 8.12345 | 0.2033358 | 2.6105742 | 17 | 4 1953-1995 | 0.98 | M-v | 2 | Williams | 24580 | 1981 DB ₃ |
| 1981 EV ₉ | 16.5 | 951010 | 208.89648 | 206.04944 | 286.60304 | 4.32068 | 0.0700040 | 2.1975142 | 16 | 3 1979-1995 | 1.02 | M-v | 4 | Williams | 21966 | 1981 EV ₉ |
| 1981 EW ₉ | 15.5 | 951010 | 40.41797 | 336.80674 | 320.90912 | 4.67919 | 0.1703401 | 2.2220247 | 17 | 4 1975-1995 | 0.93 | M-v | 2 | Williams | 22397 | 1981 EW ₉ |
| 1981 EX ₁₅ | 14.5 | 951010 | 321.17753 | 57.72250 | 326.97500 | 3.62478 | 0.0796144 | 2.6047930 | 18 | 6 1953-1991 | 0.95 | M-v | 2 | Williams | 22492 | 1981 EX ₁₅ |
| 1981 EF ₂₈ | 13.5 | 951010 | 3.92719 | 318.07997 | 10.01710 | 10.45046 | 0.1544526 | 2.6429475 | 27 | 3 1981-1991 | 1.02 | M-v | 3 | Williams | 21967 | 1981 EF ₂₈ |
| 1981 EB ₃₃ | 15.0 | 951010 | 30.54807 | 339.88299 | 328.89591 | 12.13432 | 0.1850215 | 2.6365877 | 19 | 3 1981-1995 | 0.93 | M-v | 4 | Williams | 22430 | 1981 EB ₃₃ |
| 1981 RR ₃ | 14.0 | 951010 | 83.07143 | 181.49589 | 170.30703 | 5.89540 | 0.2098993 | 2.2348405 | 17 | 3 1971-1991 | 0.77 | M-v | 4 | Williams | 21968 | 1981 RR ₃ |
| 1981 SA ₅ | 12.5 | 951010 | 343.34846 | 145.16256 | 195.61851 | 1.47795 | 0.0848178 | 2.8598827 | 22 | 8 1952-1995 | 0.83 | M-v | 1 | Williams | 25438 | 1981 SA ₅ |
| 1981 TJ | 13.0 | 951010 | 10.90325 | 126.31833 | 231.65426 | 4.33843 | 0.1062326 | 2.7936198 | 16 | 4 1981-1995 | 0.86 | M-v | 2 | Williams | 20497 | 1981 TJ |
| 1981 TP | 13.0 | 951010 | 178.06698 | 339.47353 | 26.54197 | 1.00038 | 0.2107648 | 3.1448518 | 17 | 7 1953-1995 | 0.83 | M-v | 2 | Williams | 25338 | 1981 TP |
| 1981 UD ₂ | 13.0 | 951010 | 66.77838 | 163.60850 | 230.01407 | 12.43167 | 0.1545010 | 2.6880929 | 19 | 4 1953-1994 | 0.75 | M-v | 2 | Williams | 24911 | 1981 UD ₂ |
| 1981 WO | 12.5 | 951010 | 219.04253 | 47.59423 | 24.35970 | 11.05461 | 0.0886804 | 2.9997520 | 22 | 7 1950-1994 | 0.89 | M-v | 2 | Williams | 23668 | 1981 WO |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------|--------|-----------|-----------|-----------|----------|-----------|-----------|----|---|-----------|------|-----|---|----------|-------|-----------------------|
| 1981 WE ₉ | 14.5 | 951010 | 112.93110 | 175.59282 | 179.63896 | 2.84006 | 0.1769346 | 2.2174874 | 17 | 5 | 1951-1994 | 0.76 | M-v | 2 | Williams | 23990 | 1981 WE ₉ |
| 1982 FK ₃ | 13.5 | 951010 | 218.65340 | 299.02065 | 188.67693 | 4.45852 | 0.2214610 | 2.4643095 | 40 | 4 | 1978-1995 | 0.43 | M-v | 3 | Williams | 16023 | 1982 FK ₃ |
| 1982 RW ₁ | 14.5 | 951010 | 255.68934 | 343.26724 | 11.35717 | 5.09992 | 0.1845657 | 2.3146697 | 16 | 3 | 1954-1989 | 1.13 | M-v | 4 | Williams | 21968 | 1982 RW ₁ |
| 1983 QE | 14.0 | 951010 | 11.06406 | 138.63106 | 170.48672 | 13.89625 | 0.2060324 | 2.5433741 | 45 | 5 | 1983-1995 | 0.67 | M-v | 3 | Williams | 25438 | 1983 QE |
| 1983 VS ₁ | 14.5 | 951010 | 254.22519 | 78.59928 | 16.44504 | 5.06280 | 0.2133028 | 2.6279944 | 23 | 6 | 1953-1995 | 0.86 | M-v | 1 | Williams | 22599 | 1983 VS ₁ |
| 1984 CF | 12.5 | 951010 | 179.99152 | 52.86721 | 93.56256 | 10.15773 | 0.1005023 | 2.7843436 | 29 | 4 | 1954-1994 | 0.77 | M-v | 2 | Williams | 23683 | 1984 CF |
| 1984 DE | 12.5 | 951010 | 303.73254 | 123.52167 | 316.38060 | 6.90945 | 0.1003235 | 2.6612478 | 28 | 6 | 1971-1995 | 0.77 | M-v | 2 | Williams | 21969 | 1984 DE |
| 1984 SD ₆ | 14.5 | 951010 | 53.36603 | 0.35247 | 12.14405 | 5.85364 | 0.1588093 | 2.2873668 | 42 | 4 | 1953-1991 | 0.66 | M-v | 2 | Williams | 21934 | 1984 SD ₆ |
| 1984 UK ₁ | 14.0 | 951010 | 246.49575 | 245.61841 | 228.50671 | 3.61354 | 0.1552560 | 2.4448536 | 41 | 4 | 1984-1995 | 0.83 | M-v | 2 | Williams | 23683 | 1984 UK ₁ |
| 1985 CN | 15.0 | 951010 | 18.38998 | 284.82660 | 163.44454 | 9.62637 | 0.2427778 | 2.3757187 | 29 | 3 | 1954-1994 | 0.73 | M-v | 2 | Williams | 24559 | 1985 CN |
| 1985 QR | 12.5 | 951010 | 278.30210 | 263.30832 | 155.67339 | 10.08639 | 0.1022994 | 3.0228682 | 43 | 5 | 1979-1995 | 0.83 | M-v | 2 | Williams | 22076 | 1985 QR |
| 1985 RP ₁ | 15.0 | 951010 | 23.72598 | 126.30116 | 170.57035 | 5.70351 | 0.1748101 | 2.2690515 | 42 | 3 | 1985-1995 | 0.64 | M-v | 3 | Williams | 25438 | 1985 RP ₁ |
| 1985 SB | 13.0 | 951010 | 252.18986 | 348.44020 | 352.93076 | 6.18701 | 0.1693509 | 2.4327788 | 16 | 2 | 1985-1995 | 0.79 | M-v | 5 | Williams | 25424 | 1985 SB |
| 1985 TP ₃ | 14.0 | 951010 | 333.95236 | 85.45934 | 283.73311 | 4.17558 | 0.2128651 | 2.2762130 | 24 | 4 | 1978-1995 | 0.73 | M-v | 2 | Williams | 22077 | 1985 TP ₃ |
| 1985 UW ₄ | 12.0 | 951010 | 333.61768 | 230.98897 | 104.35944 | 6.98923 | 0.1988009 | 3.1423514 | 14 | 4 | 1985-1995 | 0.58 | M-v | 2 | Williams | 25439 | 1985 UW ₄ |
| 1986 AJ | 14.0 | 951010 | 272.84773 | 90.98904 | 290.77440 | 16.86079 | 0.1045096 | 1.9552520 | 24 | 3 | 1986-1993 | 0.71 | M-v | 2 | Williams | 23683 | 1986 AJ |
| 1986 AW ₂ | 13.0 | 951010 | 73.77706 | 34.98754 | 135.90633 | 17.24225 | 0.2098852 | 2.6355779 | 28 | 3 | 1954-1995 | 0.82 | M-v | 3 | Williams | 25439 | 1986 AW ₂ |
| 1986 CD ₂ | 14.5 | 951010 | 337.61412 | 105.42957 | 3.84167 | 5.89740 | 0.1184232 | 2.2616729 | 38 | 4 | 1954-1993 | 0.66 | M-v | 2 | Williams | 23536 | 1986 CD ₂ |
| 1986 QV ₃ | 13.5 | 951010 | 240.65457 | 237.18503 | 122.68394 | 5.16283 | 0.2196447 | 2.2517825 | 18 | 4 | 1955-1995 | 0.84 | M-v | 2 | Williams | 25079 | 1986 QV ₃ |
| 1986 RD | 13.0 | 951010 | 1.91647 | 101.62462 | 212.97828 | 6.86790 | 0.2249734 | 2.7936439 | 30 | 3 | 1986-1995 | 0.62 | M-v | 3 | Williams | 25439 | 1986 RD |
| 1986 SD | 13.0 | 951010 | 345.98511 | 21.69677 | 341.35190 | 3.39274 | 0.1084404 | 2.7686793 | 33 | 5 | 1954-1995 | 0.70 | M-v | 2 | Williams | 23779 | 1986 SD |
| 1986 TR ₆ | 10.0 | 951010 | 264.78828 | 147.05470 | 278.04030 | 12.01076 | 0.0516938 | 5.1051862 | 26 | 5 | 1986-1995 | 0.89 | M-v | 1 | Williams | 22078 | 1986 TR ₆ |
| 1986 TZ ₁₁ | 13.0 | 951010 | 246.50468 | 81.36321 | 287.39349 | 4.97234 | 0.1541123 | 3.1079007 | 10 | 3 | 1954-1991 | 0.84 | M-v | 4 | Williams | 21970 | 1986 TZ ₁₁ |
| 1987 DY ₄ | 11.5 | 951010 | 153.11496 | 276.78905 | 275.13086 | 14.43056 | 0.1070506 | 3.2217331 | 20 | 4 | 1978-1995 | 0.59 | M-v | 1 | Williams | 20014 | 1987 DY ₄ |
| 1987 MK | 13.0 | 951010 | 278.15974 | 27.90729 | 330.91199 | 12.48748 | 0.1814052 | 2.7004348 | 38 | 5 | 1978-1994 | 0.91 | M-v | 2 | Williams | 25079 | 1987 MK |
| 1987 QU ₁ | 15.0 | 951010 | 120.79009 | 195.55485 | 180.15961 | 0.84414 | 0.1762853 | 2.2348519 | 27 | 3 | 1953-1994 | 0.85 | M-v | 4 | Williams | 24581 | 1987 QU ₁ |
| 1987 QF ₃ | 14.0 | 951010 | 72.65890 | 169.13964 | 135.31848 | 5.41709 | 0.0988233 | 2.4436854 | 18 | 2 | 1987-1991 | 0.89 | M-v | 6 | Williams | 21971 | 1987 QF ₃ |
| 1987 RO ₃ | 14.5 | 951010 | 1.96434 | 134.09280 | 214.66511 | 4.93612 | 0.2469946 | 2.5419254 | 31 | 7 | 1950-1995 | 0.83 | M-v | 2 | Bardwell | 23536 | 1987 RO ₃ |
| 1987 SP ₁ | 14.5 | 951010 | 123.44666 | 355.53807 | 352.42751 | 5.30049 | 0.1789257 | 2.2938868 | 10 | 5 | 1955-1994 | 0.66 | M-v | 3 | Williams | 25424 | 1987 SP ₁ |
| 1987 SH ₇ | 13.5 | 951010 | 4.06529 | 54.06402 | 289.79735 | 18.67758 | 0.0786627 | 1.9395267 | 25 | 3 | 1987-1995 | 0.71 | M-v | 3 | Williams | 25439 | 1987 SH ₇ |
| 1987 SS ₉ | 13.0 | 951010 | 128.58592 | 290.25440 | 113.51451 | 2.62370 | 0.1933328 | 3.1676095 | 21 | 5 | 1954-1995 | 0.69 | M-v | 1 | Williams | 24911 | 1987 SS ₉ |
| 1987 UP ₂ | 13.5 | 951010 | 127.61922 | 155.87753 | 240.35408 | 3.49836 | 0.2737787 | 2.2405667 | 19 | 4 | 1950-1995 | 0.75 | M-v | 3 | Williams | 25225 | 1987 UP ₂ |
| 1987 YH | 13.0 | 951010 | 256.92429 | 292.55155 | 151.20568 | 8.21676 | 0.2047677 | 2.7785356 | 23 | 4 | 1970-1991 | 0.70 | M-v | 2 | Williams | 22079 | 1987 YH |
| 1988 AF ₁ | 14.5 | 951010 | 328.75846 | 21.79364 | 52.43392 | 3.29147 | 0.2960212 | 2.5836293 | 35 | 6 | 1955-1995 | 0.55 | M-v | 1 | Williams | 25079 | 1988 AF ₁ |
| 1988 AV ₁ | 14.5 | 951010 | 277.45457 | 337.41209 | 110.12920 | 8.56667 | 0.2732515 | 2.7188337 | 22 | 5 | 1951-1995 | 0.79 | M-v | 2 | Williams | 21971 | 1988 AV ₁ |
| 1988 BO ₄ | 11.5 | 951010 | 54.17742 | 347.39433 | 278.27391 | 9.31788 | 0.0677252 | 3.0154626 | 33 | 6 | 1954-1995 | 0.53 | M-v | 1 | Williams | 24117 | 1988 BO ₄ |
| 1988 DD ₃ | 13.5 | 951010 | 162.77023 | 255.64683 | 271.65091 | 8.98714 | 0.0416341 | 2.9821913 | 15 | 4 | 1980-1995 | 0.70 | M-v | 2 | Williams | 21971 | 1988 DD ₃ |
| 1988 JB ₁ | 14.0 | 951010 | 124.99168 | 83.91925 | 149.95051 | 20.06576 | 0.4008361 | 3.1364828 | 35 | 2 | 1988-1994 | 0.85 | M-v | 3 | Williams | 24581 | 1988 JB ₁ |
| 1988 LE | 12.5 | 951010 | 232.35742 | 134.06430 | 97.48888 | 14.15503 | 0.1213145 | 2.6662235 | 14 | 5 | 1954-1994 | 0.72 | M-v | 1 | Williams | 24407 | 1988 LE |
| 1988 NY | 15.5 | 951010 | 21.38345 | 164.07315 | 110.99980 | 23.85676 | 0.1809878 | 2.3425950 | 48 | 2 | 1988-1995 | 0.56 | M-v | 3 | Williams | 25425 | 1988 NY |
| 1988 PD ₁ | 14.5 | 951010 | 341.98382 | 178.07673 | 172.52657 | 25.50948 | 0.2176277 | 2.3359875 | 18 | 3 | 1988-1995 | 0.50 | M-v | 3 | Williams | 25425 | 1988 PD ₁ |
| 1988 PG ₁ | 13.5 | 951010 | 212.13804 | 21.17470 | 315.25572 | 12.19462 | 0.2008035 | 2.7119003 | 17 | 5 | 1955-1991 | 0.93 | M-v | 3 | Williams | 22825 | 1988 PG ₁ |
| 1988 PX ₁ | 13.0 | 951010 | 356.99326 | 177.96453 | 159.76429 | 7.05888 | 0.1297247 | 2.3478959 | 29 | 4 | 1988-1995 | 0.70 | M-v | 2 | Bardwell | 23536 | 1988 PX ₁ |
| 1988 QW | 14.0 | 951010 | 353.41472 | 87.13535 | 305.72582 | 2.82630 | 0.2092119 | 2.2546098 | 40 | 8 | 1954-1995 | 0.72 | M-v | 1 | Williams | 24117 | 1988 QW |
| 1988 TX ₁ | 12.0 | 951010 | 185.61735 | 97.45742 | 206.20922 | 9.13704 | 0.0920209 | 3.0250465 | 19 | 4 | 1955-1994 | 0.94 | M-v | 2 | Williams | 24407 | 1988 TX ₁ |
| 1988 VH ₅ | 13.5 | 951010 | 315.88463 | 82.75740 | 60.63166 | 0.97449 | 0.0909703 | 2.1949281 | 27 | 4 | 1988-1994 | 0.96 | M-v | 4 | Williams | 24912 | 1988 VH ₅ |
| 1988 VO ₅ | 14.0 | 951010 | 259.66211 | 48.90630 | 55.93131 | 6.82846 | 0.1693321 | 2.4083672 | 30 | 4 | 1988-1995 | 0.94 | M-v | 2 | Williams | 24239 | 1988 VO ₅ |
| 1988 XP | 13.5 | 951010 | 316.81893 | 254.15589 | 136.22091 | 8.56113 | 0.2075129 | 2.4421201 | 29 | 6 | 1953-1995 | 0.71 | M-v | 1 | Bardwell | 23537 | 1988 XP |
| 1989 CP | 13.5 | 951010 | 292.67416 | 115.54379 | 350.60026 | 2.36171 | 0.1377672 | 2.4493377 | 21 | 3 | 1966-1991 | 0.91 | M-v | 5 | Williams | 20635 | 1989 CP |
| 1989 EC ₃ | 14.0 | 951010 | 247.62909 | 278.58842 | 184.69015 | 8.60779 | 0.1233135 | 2.5718182 | 26 | 6 | 1952-1995 | 0.66 | M-v | 1 | Williams | 24407 | 1989 EC ₃ |
| 1989 GJ | 12.0 | 951010 | 117.65861 | 140.04995 | 142.05558 | 14.04707 | 0.1757959 | 2.6776552 | 25 | 3 | 1981-1994 | 0.53 | M-v | 2 | Williams | 24912 | 1989 GJ |
| 1989 TY ₄ | 15.5 | 951010 | 11.49497 | 115.83690 | 164.05409 | 5.92614 | 0.1574581 | 2.2288824 | 25 | 3 | 1989-1995 | 0.89 | M-v | 5 | Williams | 25439 | 1989 TY ₄ |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------|--------|-----------|-----------|-----------|----------|-----------|-----------|-----|---|-----------|------|-----|---|----------|-------|-----------------------|
| 1989 UU ₁ | 13.0 | 951010 | 237.40457 | 182.26811 | 280.46779 | 6.68136 | 0.0960076 | 2.2189541 | 33 | 6 | 1931-1995 | 0.84 | M-v | 2 | Williams | 23684 | 1989 UU ₁ |
| 1989 WQ ₁ | 15.0 | 951010 | 236.19605 | 41.45581 | 69.21215 | 15.90258 | 0.1268185 | 1.6541231 | 36 | 4 | 1978-1995 | 0.75 | M-v | 3 | Williams | 25439 | 1989 WQ ₁ |
| 1989 WG ₄ | 14.0 | 951010 | 280.23819 | 321.32566 | 103.72366 | 5.86076 | 0.0900937 | 2.1942602 | 22 | 3 | 1989-1995 | 0.79 | M-v | 3 | Marsden | 25439 | 1989 WG ₄ |
| 1989 YS ₆ | 13.5 | 951010 | 323.30651 | 286.27159 | 103.58015 | 4.98656 | 0.1327669 | 2.1998260 | 36 | 4 | 1989-1995 | 0.45 | M-v | 2 | Marsden | 23684 | 1989 YS ₆ |
| 1990 FD ₁ | 12.0 | 951010 | 105.55365 | 76.54421 | 104.90561 | 14.13169 | 0.1167190 | 2.6465635 | 23 | 6 | 1954-1995 | 0.55 | M-v | 1 | Williams | 25440 | 1990 FD ₁ |
| 1990 HO ₃ | 13.5 | 951010 | 207.34497 | 354.37251 | 70.29915 | 2.62953 | 0.1559579 | 3.1083461 | 18 | 6 | 1954-1994 | 0.51 | M-v | 1 | Williams | 24118 | 1990 HO ₃ |
| 1990 KA | 16.5 | 951010 | 229.24340 | 146.56195 | 105.75108 | 7.56403 | 0.4328842 | 2.1987352 | 53 | 4 | 1951-1994 | 0.94 | M-v | 2 | Williams | 24407 | 1990 KA |
| 1990 OV | 14.0 | 951010 | 199.21728 | 86.53922 | 208.64031 | 6.30852 | 0.1293256 | 2.2668340 | 21 | 4 | 1987-1994 | 0.88 | M-v | 2 | Williams | 22402 | 1990 OV |
| 1990 OT ₄ | 14.0 | 951010 | 89.49557 | 126.10038 | 153.88056 | 11.90956 | 0.1692378 | 2.6632712 | 26 | 4 | 1951-1994 | 0.64 | M-v | 1 | Williams | 24118 | 1990 OT ₄ |
| 1990 QE ₈ | 12.5 | 951010 | 255.74540 | 343.15279 | 139.49468 | 6.41594 | 0.0489928 | 2.7787125 | 20 | 4 | 1953-1993 | 0.96 | M-v | 2 | Williams | 23515 | 1990 QE ₈ |
| 1990 RF | 11.5 | 951010 | 296.08685 | 195.71362 | 174.67322 | 16.43640 | 0.0586949 | 3.2148901 | 28 | 3 | 1990-1995 | 0.66 | M-v | 3 | Williams | 25440 | 1990 RF |
| 1990 SL ₉ | 12.5 | 951010 | 35.97340 | 167.25768 | 99.39364 | 2.57746 | 0.1652324 | 3.1676654 | 21 | 4 | 1955-1994 | 0.99 | M-v | 1 | Williams | 23238 | 1990 SL ₉ |
| 1990 UE ₃ | 12.0 | 951010 | 293.96967 | 60.12490 | 30.84319 | 4.32191 | 0.2442418 | 3.1673431 | 35 | 6 | 1953-1992 | 0.94 | M-v | 2 | Williams | 22083 | 1990 UE ₃ |
| 1990 VR ₃ | 12.0 | 951010 | 311.78641 | 13.08577 | 43.40906 | 7.80053 | 0.1808829 | 3.1665141 | 17 | 5 | 1973-1995 | 0.62 | M-v | 1 | Williams | 23789 | 1990 VR ₃ |
| 1991 AQ | 17.0 | 951010 | 138.15556 | 239.69434 | 342.77078 | 3.22152 | 0.7771066 | 2.2213109 | 44 | 2 | 1991-1994 | 0.67 | M-v | 2 | Williams | 25080 | 1991 AQ |
| 1991 CX | 14.0 | 951010 | 132.87548 | 304.38253 | 228.27266 | 2.77914 | 0.0665495 | 2.2041617 | 29 | 4 | 1955-1994 | 0.80 | M-v | 2 | Williams | 23134 | 1991 CX |
| 1991 DJ ₁ | 12.5 | 951010 | 141.55585 | 41.79586 | 98.95896 | 5.81150 | 0.1125050 | 2.2482188 | 31 | 4 | 1991-1995 | 0.63 | M-v | 1 | Williams | 25440 | 1991 DJ ₁ |
| 1991 EN | 10.5 | 951010 | 34.36882 | 3.18376 | 289.40415 | 19.64565 | 0.0258415 | 5.1203371 | 15 | 3 | 1991-1995 | 0.49 | M-v | 3 | Williams | 23860 | 1991 EN |
| 1991 GZ | 14.0 | 951010 | 86.27578 | 6.38624 | 231.30380 | 3.97339 | 0.0623831 | 2.2637996 | 38 | 6 | 1955-1995 | 0.72 | M-v | 1 | Bardwell | 25080 | 1991 GZ |
| 1991 JP | 14.0 | 951010 | 53.27272 | 57.34651 | 210.25415 | 9.71120 | 0.2413913 | 2.3490894 | 19 | 5 | 1955-1995 | 0.69 | M-v | 1 | Bardwell | 25440 | 1991 JP |
| 1991 RM ₂ | 13.5 | 951010 | 74.55020 | 187.21802 | 168.06212 | 8.71049 | 0.2084227 | 2.2603443 | 25 | 3 | 1923-1994 | 0.73 | M-v | 3 | Williams | 23869 | 1991 RM ₂ |
| 1991 RL ₅ | 12.5 | 951010 | 244.00448 | 25.43885 | 20.93710 | 10.07931 | 0.1951483 | 3.0530001 | 24 | 4 | 1954-1994 | 0.77 | M-v | 2 | Williams | 25441 | 1991 RL ₅ |
| 1991 RT ₅ | 14.0 | 951010 | 55.89319 | 313.28345 | 33.22063 | 7.38755 | 0.1386172 | 2.3551705 | 17 | 2 | 1982-1991 | 0.72 | M-v | 4 | Williams | 20509 | 1991 RT ₅ |
| 1991 RE ₁₁ | 14.5 | 951010 | 28.57495 | 123.54011 | 294.67230 | 4.64841 | 0.1729574 | 2.2720139 | 16 | 4 | 1953-1991 | 0.66 | M-v | 2 | Williams | 22233 | 1991 RE ₁₁ |
| 1991 RY ₁₆ | 12.5 | 951010 | 73.24982 | 162.16997 | 62.89055 | 7.25789 | 0.0704876 | 2.8482262 | 21 | 6 | 1955-1994 | 0.77 | M-v | 1 | Williams | 23349 | 1991 RY ₁₆ |
| 1991 RT ₄₀ | 13.5 | 951010 | 4.12970 | 259.34877 | 32.66042 | 2.35666 | 0.0395181 | 2.8784276 | 20 | 3 | 1981-1994 | 0.45 | M-v | 2 | Williams | 23790 | 1991 RT ₄₀ |
| 1991 SS ₁ | 16.5 | 951010 | 24.32572 | 353.95098 | 37.94232 | 5.74145 | 0.3670888 | 2.3719577 | 27 | 1 | 76 days | 0.74 | M-v | 5 | Williams | 20027 | 1991 SS ₁ |
| 1991 TQ | 13.5 | 951010 | 330.66583 | 241.36965 | 68.58928 | 6.76618 | 0.1220427 | 3.0017500 | 17 | 5 | 1950-1994 | 0.70 | M-v | 1 | Williams | 23247 | 1991 TQ |
| 1991 UA ₂ | 13.5 | 951010 | 184.62997 | 210.74785 | 303.81248 | 1.08980 | 0.0297923 | 2.8304253 | 35 | 3 | 1991-1995 | 0.74 | M-v | 5 | Williams | 21976 | 1991 UA ₂ |
| 1991 UK ₃ | 12.0 | 951010 | 206.09266 | 268.88788 | 222.92065 | 13.44706 | 0.2555517 | 3.1000587 | 15 | 3 | 1991-1995 | 0.70 | M-v | 3 | Williams | 22273 | 1991 UK ₃ |
| 1991 YA | 14.5 | 951010 | 300.40639 | 174.07004 | 274.38279 | 44.30302 | 0.4420536 | 2.7400887 | 25 | 2 | 1991-1995 | 0.69 | M-v | 2 | Williams | 25426 | 1991 YA |
| 1992 AA | 16.5 | 951010 | 125.37359 | 354.41241 | 102.80163 | 8.29209 | 0.3896801 | 1.9823091 | 79 | 3 | 1981-1995 | 0.69 | M-v | 2 | Williams | 25441 | 1992 AA |
| 1992 AP ₃ | 14.0 | 951010 | 24.89472 | 128.16095 | 312.12938 | 2.69030 | 0.1855615 | 2.4123179 | 29 | 3 | 1987-1994 | 0.78 | M-v | 4 | Williams | 25427 | 1992 AP ₃ |
| 1992 BB | 15.5 | 951010 | 127.19648 | 330.34295 | 194.66455 | 45.28353 | 0.2669294 | 1.8815809 | 80 | 3 | 1992-1995 | 0.58 | M-v | 2 | Williams | 25441 | 1992 BB |
| 1992 CE ₂ | 14.0 | 951010 | 344.08650 | 27.11107 | 124.38774 | 7.34794 | 0.1146220 | 2.4290156 | 23 | 4 | 1987-1994 | 1.07 | M-v | 2 | Williams | 25427 | 1992 CE ₂ |
| 1992 DQ ₁₀ | 14.0 | 951010 | 221.13614 | 39.10908 | 274.34320 | 3.55023 | 0.1898432 | 2.3214162 | 14 | 4 | 1986-1994 | 0.89 | M-v | 3 | Williams | 25427 | 1992 DQ ₁₀ |
| 1992 HA ₅ | 12.0 | 951010 | 120.91892 | 236.47891 | 88.37362 | 2.13132 | 0.1661575 | 3.1939953 | 22 | 5 | 1953-1994 | 0.72 | M-v | 1 | Williams | 24393 | 1992 HA ₅ |
| 1992 PT ₂ | 14.0 | 951010 | 284.53598 | 144.35840 | 239.22341 | 3.93760 | 0.1422650 | 2.2979337 | 30 | 6 | 1953-1994 | 0.77 | M-v | 2 | Williams | 25082 | 1992 PT ₂ |
| 1992 RG ₄ | 16.0 | 951010 | 293.75130 | 198.04516 | 165.01163 | 6.95853 | 0.1943863 | 2.3638563 | 18 | 3 | 1985-1995 | 0.74 | M-v | 3 | Williams | 21586 | 1992 RG ₄ |
| 1992 SR ₁ | 14.0 | 951010 | 271.77053 | 147.45908 | 290.09934 | 5.98898 | 0.1420473 | 2.2851290 | 16 | 4 | 1985-1995 | 0.81 | M-v | 2 | Williams | 21270 | 1992 SR ₁ |
| 1992 SX ₁₂ | 13.5 | 951010 | 331.81677 | 198.85795 | 165.58144 | 3.51667 | 0.1528834 | 2.2331261 | 29 | 5 | 1952-1995 | 0.91 | M-v | 2 | Bardwell | 22971 | 1992 SX ₁₂ |
| 1992 SF ₁₃ | 13.5 | 951010 | 186.40700 | 260.39030 | 194.90693 | 3.63093 | 0.0768279 | 2.5615326 | 18 | 5 | 1974-1995 | 0.74 | M-v | 1 | Williams | 25340 | 1992 SF ₁₃ |
| 1992 SO ₂₄ | 14.5 | 951010 | 155.71312 | 272.48684 | 218.04322 | 7.17486 | 0.0850363 | 2.4658416 | 26 | 4 | 1991-1995 | 0.57 | M-v | 1 | Williams | 23685 | 1992 SO ₂₄ |
| 1992 TB | 17.5 | 951010 | 132.74465 | 5.91876 | 185.72058 | 28.30777 | 0.4622535 | 1.3417903 | 54 | 3 | 1992-1995 | 0.53 | M-v | 2 | Williams | 25441 | 1992 TB |
| 1992 TC | 18.0 | 951010 | 196.62052 | 275.40561 | 88.75832 | 7.08838 | 0.2923270 | 1.5656717 | 109 | 3 | 1990-1994 | 0.71 | M-v | 2 | Williams | 24762 | 1992 TC |
| 1992 UB ₂ | 14.0 | 951010 | 330.28281 | 204.66440 | 156.70298 | 3.93912 | 0.1685861 | 2.2772203 | 29 | 5 | 1977-1995 | 0.82 | M-v | 2 | Williams | 25441 | 1992 UB ₂ |
| 1992 UE ₃ | 13.0 | 951010 | 204.40604 | 324.51590 | 87.95527 | 3.09271 | 0.0685987 | 2.8566344 | 14 | 3 | 1983-1995 | 0.78 | M-v | 4 | Williams | 25428 | 1992 UE ₃ |
| 1992 WS | 13.5 | 951010 | 355.19961 | 110.23524 | 235.38722 | 4.53557 | 0.1961597 | 2.2695273 | 35 | 7 | 1954-1995 | 0.83 | M-v | 2 | Bardwell | 22971 | 1992 WS |
| 1993 AA | 13.5 | 951010 | 318.11999 | 150.45999 | 233.06759 | 4.19263 | 0.2659828 | 2.4652288 | 25 | 4 | 1980-1995 | 0.92 | M-v | 2 | Williams | 25441 | 1993 AA |
| 1993 BW ₂ | 17.5 | 951010 | 313.13551 | 287.41850 | 121.18114 | 21.91720 | 0.3061358 | 1.3351877 | 80 | 2 | 1993-1995 | 0.63 | M-v | 3 | Williams | 25441 | 1993 BW ₂ |
| 1993 CQ | 12.0 | 951010 | 280.81499 | 278.31754 | 123.56350 | 9.95594 | 0.1800835 | 2.8080685 | 13 | 4 | 1982-1993 | 0.79 | M-v | 1 | Williams | 21948 | 1993 CQ |
| 1993 DT | 13.5 | 951010 | 314.91685 | 105.06513 | 308.89765 | 8.44702 | 0.1666336 | 2.5452691 | 12 | 5 | 1954-1995 | 0.68 | M-v | 1 | Bardwell | 24241 | 1993 DT |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------|--------|-----------|-----------|-----------|----------|-----------|------------|-----|---|-----------|------|-----|---|----------|-------|-----------------------|
| 1993 EF | 14.0 | 951010 | 289.12135 | 57.13639 | 63.56960 | 3.09974 | 0.1682954 | 2.4012453 | 19 | 5 | 1952-1993 | 0.63 | M-v | 2 | Williams | 22495 | 1993 EF |
| 1993 ER | 13.0 | 951010 | 309.00208 | 66.84387 | 53.42364 | 0.81381 | 0.1255641 | 2.3279447 | 19 | 4 | 1977-1993 | 0.83 | M-v | 2 | Williams | 23539 | 1993 ER |
| 1993 FR ₃ | 13.5 | 951010 | 164.98343 | 73.25567 | 209.05453 | 5.72524 | 0.1200995 | 2.4215549 | 16 | 5 | 1949-1994 | 0.76 | M-v | 2 | Williams | 25082 | 1993 FR ₃ |
| 1993 FA ₅ | 14.0 | 951010 | 0.12373 | 280.93187 | 165.76512 | 6.13291 | 0.1139162 | 2.2243955 | 12 | 4 | 1951-1994 | 0.77 | M-v | 2 | Williams | 24241 | 1993 FA ₅ |
| 1993 FU ₁₇ | 14.0 | 951010 | 27.91895 | 12.49971 | 47.01126 | 7.34827 | 0.1352185 | 2.2468166 | 16 | 2 | 1991-1993 | 0.68 | M-v | 4 | Williams | 23523 | 1993 FU ₁₇ |
| 1993 FT ₃₁ | 13.5 | 951010 | 103.04543 | 212.59679 | 148.75577 | 5.59907 | 0.2301234 | 2.2684877 | 19 | 4 | 1953-1994 | 0.68 | M-v | 2 | Williams | 25331 | 1993 FT ₃₁ |
| 1993 FZ ₃₆ | 13.5 | 951010 | 331.45812 | 47.41674 | 39.12809 | 2.70856 | 0.1681241 | 2.3919140 | 12 | 2 | 1991-1993 | 0.54 | M-v | 4 | Williams | 23527 | 1993 FZ ₃₆ |
| 1993 FN ₄₁ | 13.0 | 951010 | 278.97092 | 223.12335 | 201.66403 | 1.81188 | 0.1183962 | 3.1001103 | 19 | 7 | 1971-1995 | 0.75 | M-v | 1 | Williams | 23528 | 1993 FN ₄₁ |
| 1993 HA ₂ | 9.5 | 951010 | 10.68840 | 170.74605 | 31.33964 | 15.63853 | 0.5225957 | 24.7627437 | 67 | 3 | 1993-1995 | 0.47 | M-v | 2 | Williams | 25441 | 1993 HA ₂ |
| 1993 KM | 13.0 | 951010 | 151.87257 | 80.00745 | 175.08734 | 20.17744 | 0.3490615 | 3.1380447 | 51 | 3 | 1988-1994 | 0.71 | M-v | 2 | Williams | 25227 | 1993 KM |
| 1993 KY ₁ | 14.0 | 951010 | 259.83775 | 96.95795 | 132.36954 | 4.76416 | 0.1178778 | 2.2992439 | 23 | 5 | 1972-1993 | 0.89 | M-v | 2 | Williams | 22495 | 1993 KY ₁ |
| 1993 MO | 16.5 | 951010 | 31.27610 | 167.06309 | 111.59052 | 22.63679 | 0.2208985 | 1.6261678 | 138 | 3 | 1983-1995 | 0.64 | M-v | 2 | Williams | 25441 | 1993 MO |
| 1993 OH ₁₂ | 15.0 | 951010 | 161.12325 | 79.68913 | 251.66834 | 2.55868 | 0.1539119 | 2.6115002 | 15 | 3 | 1951-1993 | 0.46 | M-v | 4 | Williams | 22959 | 1993 OH ₁₂ |
| 1993 PE | 14.0 | 951010 | 192.34176 | 77.18904 | 267.11005 | 3.92798 | 0.0998101 | 2.3807599 | 54 | 3 | 1955-1995 | 0.57 | M-v | 3 | Williams | 24763 | 1993 PE |
| 1993 QS ₁ | 15.5 | 951010 | 279.81150 | 315.88063 | 323.28573 | 1.80373 | 0.2001213 | 2.1707153 | 15 | 3 | 1990-1994 | 0.65 | M-v | 4 | Williams | 25429 | 1993 QS ₁ |
| 1993 SC | 7.0 | 951010 | 35.81164 | 316.77878 | 354.63820 | 5.15637 | 0.1897169 | 39.6629601 | 30 | 3 | 1993-1995 | 0.53 | M-v | 4 | Marsden | 24763 | 1993 SC |
| 1993 VM ₁ | 14.0 | 951010 | 245.36296 | 265.00578 | 170.63396 | 23.14433 | 0.1399379 | 1.9100224 | 47 | 3 | 1990-1995 | 0.61 | M-v | 2 | Williams | 25442 | 1993 VM ₁ |
| 1993 WQ | 13.5 | 951010 | 179.14573 | 359.40117 | 47.70485 | 5.06937 | 0.2251018 | 2.5529858 | 20 | 2 | 1985-1994 | 0.52 | M-v | 4 | Williams | 23135 | 1993 WQ |
| 1993 XY | 15.5 | 951010 | 79.23617 | 11.54345 | 188.20725 | 4.95492 | 0.1668898 | 2.3243072 | 24 | 2 | 1993-1995 | 0.63 | M-v | 4 | Williams | 25429 | 1993 XY |
| 1993 XK ₁ | 13.5 | 951010 | 197.37676 | 315.54291 | 75.22336 | 3.40850 | 0.0577743 | 2.8778002 | 30 | 4 | 1954-1995 | 0.70 | M-v | 2 | Williams | 25340 | 1993 XK ₁ |
| 1994 AE ₂ | 13.5 | 951010 | 93.99471 | 114.46243 | 109.79216 | 9.58946 | 0.4310816 | 2.6091015 | 58 | 3 | 1982-1995 | 0.59 | M-v | 2 | Williams | 25442 | 1994 AE ₂ |
| 1994 DA | 14.5 | 951010 | 69.37630 | 55.05197 | 162.09321 | 9.17579 | 0.0687202 | 2.6634385 | 27 | 2 | 1994-1995 | 0.65 | M-v | 4 | Williams | 25429 | 1994 DA |
| 1994 EF ₃ | 14.0 | 951010 | 288.25629 | 287.16420 | 126.46146 | 6.38577 | 0.0868891 | 2.3471555 | 18 | 3 | 1979-1995 | 0.74 | M-v | 5 | Williams | 23530 | 1994 EF ₃ |
| 1994 FN | 13.0 | 951010 | 127.42953 | 100.62757 | 56.40299 | 2.84163 | 0.0112931 | 2.8962228 | 34 | 4 | 1981-1995 | 0.61 | M-v | 1 | Williams | 23686 | 1994 FN |
| 1994 GT ₉ | 12.5 | 951010 | 158.16624 | 120.18465 | 43.41075 | 6.99747 | 0.0859509 | 2.7401420 | 17 | 4 | 1978-1994 | 0.87 | M-v | 2 | Williams | 23678 | 1994 GT ₉ |
| 1994 HT ₁ | 14.5 | 951010 | 340.72045 | 150.70169 | 220.81007 | 4.01131 | 0.1698060 | 2.6103780 | 43 | 3 | 1991-1995 | 0.63 | M-v | 4 | Williams | 23678 | 1994 HT ₁ |
| 1994 JN | 13.0 | 951010 | 82.38935 | 87.00668 | 201.67998 | 13.62085 | 0.1960706 | 2.5895631 | 16 | 2 | 1990-1994 | 0.69 | M-v | 5 | Williams | 23785 | 1994 JN |
| 1994 JO | 11.5 | 951010 | 126.97771 | 325.53737 | 215.54919 | 14.42036 | 0.1703543 | 3.1328341 | 19 | 6 | 1955-1995 | 0.56 | M-v | 1 | Bardwell | 23679 | 1994 JO |
| 1994 JS | 7.5 | 951010 | 324.14682 | 238.85191 | 56.33447 | 14.02950 | 0.2375023 | 42.8817482 | 25 | 2 | 1994-1995 | 0.42 | M-v | 5 | Marsden | 25442 | 1994 JS |
| 1994 JE ₁ | 14.5 | 951010 | 188.67008 | 67.64810 | 66.36503 | 5.79584 | 0.1442936 | 2.3611595 | 21 | 2 | 1994-1995 | 0.34 | M-v | 4 | Williams | 25332 | 1994 JE ₁ |
| 1994 LW | 17.0 | 951010 | 76.54850 | 54.40564 | 241.16118 | 23.01814 | 0.6195626 | 3.1629996 | 165 | 1 | 132 days | 0.68 | M-v | 3 | Williams | 24584 | 1994 LW |
| 1994 LX | 15.0 | 951010 | 163.46171 | 349.04374 | 111.34206 | 36.90449 | 0.3463984 | 1.2615572 | 122 | 3 | 1977-1995 | 0.62 | M-v | 2 | Williams | 25442 | 1994 LX |
| 1994 LC ₁ | 16.5 | 951010 | 85.44212 | 316.11455 | 15.75527 | 12.36553 | 0.5246625 | 2.8185286 | 81 | 1 | 162 days | 0.50 | M-v | 3 | Williams | 25083 | 1994 LC ₁ |
| 1994 QC | 19.0 | 951010 | 327.11991 | 94.10899 | 162.61596 | 13.87060 | 0.1179986 | 1.3243814 | 96 | 1 | 75 days | 0.59 | M-v | 4 | Williams | 25084 | 1994 QC |
| 1994 RC | 19.0 | 951010 | 133.65307 | 284.35668 | 346.15008 | 4.72968 | 0.6015986 | 2.2666742 | 61 | 1 | 40 days | 0.59 | M-v | 6 | Williams | 24763 | 1994 RC |
| 1994 RH | 16.0 | 951010 | 81.73296 | 91.80398 | 331.70164 | 18.93329 | 0.4414418 | 2.2464073 | 120 | 2 | 1984-1995 | 0.58 | M-v | 2 | Williams | 25084 | 1994 RH |
| 1994 RX ₁ | 12.0 | 951010 | 150.88742 | 92.49464 | 172.19205 | 22.22847 | 0.2265874 | 2.3750470 | 14 | 4 | 1954-1994 | 0.76 | M-v | 2 | Williams | 24750 | 1994 RX ₁ |
| 1994 SE | 16.0 | 951010 | 107.56519 | 274.11858 | 61.67899 | 8.08932 | 0.4086660 | 2.3423700 | 45 | 2 | 1976-1995 | 0.53 | M-v | 2 | Williams | 24902 | 1994 SE |
| 1994 TW ₁ | 15.0 | 951010 | 65.21856 | 62.20048 | 3.61758 | 36.04082 | 0.5768186 | 2.5910177 | 110 | 2 | 1991-1995 | 0.67 | M-v | 1 | Williams | 25228 | 1994 TW ₁ |
| 1994 XN ₄ | 12.0 | 951010 | 109.60215 | 93.39283 | 348.75693 | 12.79915 | 0.2178049 | 2.8544972 | 27 | 5 | 1959-1995 | 0.62 | M-v | 1 | Williams | 25431 | 1994 XN ₄ |
| 1994 YN ₂ | 12.0 | 951010 | 153.60485 | 260.49048 | 87.26071 | 8.29758 | 0.1902070 | 2.6576636 | 15 | 5 | 1954-1995 | 0.76 | M-v | 2 | Williams | 24754 | 1994 YN ₂ |
| 1995 AW | 12.0 | 951010 | 16.86534 | 248.22477 | 295.69714 | 11.99423 | 0.1330216 | 2.6007369 | 37 | 5 | 1949-1995 | 0.60 | M-v | 3 | Williams | 25084 | 1995 AW |
| 1995 BL ₂ | 17.0 | 951010 | 36.43513 | 348.31535 | 312.52857 | 23.89066 | 0.5038291 | 1.2346324 | 93 | 1 | 170 days | 0.51 | M-v | 4 | Williams | 25341 | 1995 BL ₂ |
| 1995 DE ₂ | 13.0 | 951010 | 158.53244 | 69.01725 | 324.60002 | 3.68841 | 0.0790566 | 2.6288468 | 20 | 3 | 1991-1995 | 0.61 | M-v | 4 | Williams | 25442 | 1995 DE ₂ |
| 1995 FE | 13.5 | 951010 | 81.16300 | 134.36929 | 7.03878 | 24.66522 | 0.2132565 | 2.3842548 | 18 | 3 | 1984-1995 | 0.63 | M-v | 3 | Williams | 25442 | 1995 FE |
| 1995 FV ₁₄ | 12.5 | 951010 | 51.06758 | 134.32526 | 36.26030 | 8.66925 | 0.0955033 | 3.1801398 | 19 | 4 | 1978-1995 | 0.70 | M-v | 2 | Williams | 25434 | 1995 FV ₁₄ |
| 1995 HR | 12.5 | 951010 | 349.82037 | 77.04184 | 199.25889 | 11.15141 | 0.1885443 | 3.1324715 | 10 | 3 | 1977-1995 | 0.70 | M-v | 3 | Williams | 25434 | 1995 HR |
| 1995 JJ | 14.0 | 951010 | 134.54322 | 10.24316 | 123.64955 | 5.43953 | 0.0644490 | 2.9896495 | 29 | 2 | 1994-1995 | 0.65 | M-v | 4 | Williams | 25442 | 1995 JJ |
| 1995 LG | 18.5 | 951010 | 40.05622 | 160.07162 | 276.48567 | 43.49363 | 0.7910436 | 1.0636420 | 87 | 1 | 34 days | 0.61 | M-v | 6 | Williams | 25435 | 1995 LG |
| 3027 P-L | 14.0 | 951010 | 28.55986 | 23.99156 | 287.65112 | 6.28978 | 0.1526005 | 2.4800710 | 29 | 4 | 1960-1995 | 0.61 | M-v | 2 | Williams | 21806 | 3027 P-L |
| 6530 P-L | 13.5 | 951010 | 312.86755 | 228.72729 | 171.71522 | 5.59200 | 0.1565092 | 2.4835131 | 13 | 3 | 1955-1993 | 0.45 | M-v | 4 | Williams | 21807 | 6530 P-L |
| 1024 T-1 | 11.0 | 951010 | 116.43062 | 84.15135 | 353.82702 | 10.70367 | 0.0740537 | 5.2011005 | 11 | 4 | 1954-1989 | 0.56 | M-v | 1 | Williams | 23986 | 1024 T-1 |

| | | | | | | | | | | | | | | | | | |
|----------|------|--------|-----------|-----------|-----------|----------|-----------|-----------|----|---|-----------|------|-----|---|----------|-------|----------|
| 2213 T-1 | 12.5 | 951010 | 5.29669 | 309.68307 | 5.55811 | 8.52474 | 0.0945814 | 3.1694100 | 38 | 5 | 1953-1995 | 0.69 | M-v | 1 | Williams | 24241 | 2213 T-1 |
| 1212 T-2 | 12.5 | 951010 | 92.86370 | 141.76544 | 198.53274 | 9.69070 | 0.1140181 | 3.0158903 | 17 | 4 | 1955-1994 | 0.91 | M-v | 2 | Williams | 23993 | 1212 T-2 |
| 1325 T-2 | 14.0 | 951010 | 312.36661 | 356.31201 | 18.13029 | 5.18830 | 0.0659972 | 2.7267378 | 28 | 2 | 1973-1991 | 0.71 | M-v | 5 | Williams | 21953 | 1325 T-2 |
| 2083 T-2 | 13.0 | 951010 | 202.52200 | 341.24437 | 165.40970 | 0.96681 | 0.1563380 | 3.1575853 | 29 | 6 | 1951-1995 | 0.91 | M-v | 2 | Williams | 24410 | 2083 T-2 |
| 3297 T-2 | 14.0 | 951010 | 121.92551 | 174.00933 | 40.48560 | 4.43178 | 0.1597980 | 2.3935896 | 32 | 5 | 1954-1994 | 0.75 | M-v | 3 | Williams | 23792 | 3297 T-2 |
| 3336 T-2 | 15.0 | 951010 | 27.53232 | 231.29667 | 157.30103 | 4.89449 | 0.2065187 | 2.3471417 | 25 | 3 | 1973-1991 | 0.81 | M-v | 4 | Williams | 22088 | 3336 T-2 |
| 5141 T-2 | 13.0 | 951010 | 112.72822 | 21.38535 | 301.48154 | 9.50415 | 0.0936785 | 3.0167480 | 26 | 7 | 1955-1994 | 0.95 | M-v | 2 | Williams | 24764 | 5141 T-2 |
| 5493 T-2 | 10.5 | 951010 | 322.60922 | 56.07043 | 323.16016 | 13.16339 | 0.0478167 | 5.1207171 | 20 | 5 | 1955-1991 | 0.85 | M-v | 1 | Williams | 21953 | 5493 T-2 |
| 2407 T-3 | 14.5 | 951010 | 254.17559 | 357.78966 | 356.52194 | 1.35181 | 0.0766387 | 2.9022683 | 37 | 2 | 1977-1995 | 0.70 | M-v | 5 | Williams | 25076 | 2407 T-3 |
| 3019 T-3 | 13.5 | 951010 | 350.12643 | 128.83962 | 191.40571 | 8.65813 | 0.1561997 | 2.7986024 | 21 | 4 | 1977-1995 | 0.95 | M-v | 2 | Bardwell | 22088 | 3019 T-3 |
| 4124 T-3 | 15.5 | 951010 | 249.40500 | 199.67113 | 126.78616 | 3.30332 | 0.0991369 | 2.9381815 | 21 | 2 | 1977-1995 | 0.88 | M-v | 5 | Williams | 25443 | 4124 T-3 |
| 4314 T-3 | 13.0 | 951010 | 351.79160 | 179.22818 | 119.10668 | 3.24610 | 0.0490224 | 2.8396829 | 27 | 6 | 1954-1995 | 0.86 | M-v | 2 | Williams | 25443 | 4314 T-3 |
| 4391 T-3 | 16.0 | 951010 | 68.02560 | 240.45908 | 96.56331 | 5.10068 | 0.2846255 | 2.3113090 | 26 | 4 | 1949-1994 | 1.08 | M-v | 4 | Williams | 23686 | 4391 T-3 |

EPHEMERIDES

1995 MA₁

$a, e, i = 2.61, 0.59, 26$

Elements MPC 25514

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | V |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|------|
| 1995 08 01 | 15 | 11.44 | -16 51.7 | 1.134 | 1.668 | 101.7 | 36.6 | 20.7 |
| 1995 08 11 | 15 | 14.12 | -20 06.3 | 1.166 | 1.592 | 93.6 | 39.5 | 20.7 |
| 1995 08 21 | 15 | 21.05 | -23 26.5 | 1.194 | 1.516 | 86.4 | 41.8 | 20.8 |
| 1995 08 31 | 15 | 32.16 | -26 51.0 | 1.217 | 1.442 | 80.1 | 43.6 | 20.8 |
| 1995 09 10 | 15 | 47.51 | -30 18.4 | 1.232 | 1.371 | 74.7 | 45.1 | 20.7 |
| 1995 09 20 | 16 | 07.31 | -33 45.9 | 1.239 | 1.303 | 70.2 | 46.5 | 20.7 |

C/1995 O1 (Hale-Bopp)

Elements MPC 25513

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | m_1 |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|-------|
| 1995 08 01 | 18 | 37.99 | -31 55.5 | 6.192 | 7.079 | 148.7 | 4.3 | 10.5 |
| 1995 08 11 | 18 | 31.67 | -31 34.6 | 6.206 | 6.994 | 138.2 | 5.5 | 10.4 |
| 1995 08 21 | 18 | 26.25 | -31 10.6 | 6.244 | 6.909 | 127.7 | 6.7 | 10.4 |
| 1995 08 31 | 18 | 21.91 | -30 44.4 | 6.301 | 6.823 | 117.3 | 7.6 | 10.3 |
| 1995 09 10 | 18 | 18.77 | -30 16.8 | 6.372 | 6.737 | 107.1 | 8.2 | 10.3 |
| 1995 09 20 | 18 | 16.85 | -29 48.7 | 6.452 | 6.650 | 97.0 | 8.6 | 10.3 |
| 1995 09 30 | 18 | 16.16 | -29 20.5 | 6.536 | 6.563 | 87.1 | 8.8 | 10.2 |
| 1995 10 10 | 18 | 16.66 | -28 52.7 | 6.618 | 6.475 | 77.4 | 8.7 | 10.2 |
| 1995 10 20 | 18 | 18.26 | -28 25.4 | 6.694 | 6.387 | 67.9 | 8.3 | 10.2 |
| 1995 10 30 | 18 | 20.87 | -27 58.6 | 6.758 | 6.298 | 58.6 | 7.7 | 10.1 |
| 1995 11 09 | 18 | 24.38 | -27 32.2 | 6.808 | 6.208 | 49.4 | 7.0 | 10.1 |
| 1995 11 19 | 18 | 28.67 | -27 05.9 | 6.839 | 6.119 | 40.3 | 6.0 | 10.0 |
| 1995 11 29 | 18 | 33.64 | -26 39.5 | 6.849 | 6.028 | 31.4 | 4.9 | 10.0 |

1995 LH

$a, e, i = 2.69, 0.41, 11$

Elements MPC 25514

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | V |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|------|
| 1995 08 01 | 21 | 10.08 | -47 02.6 | 0.635 | 1.599 | 150.6 | 18.2 | 15.7 |
| 1995 08 11 | 21 | 06.67 | -47 20.6 | 0.642 | 1.595 | 148.0 | 19.7 | 15.8 |
| 1995 08 21 | 21 | 04.09 | -46 39.5 | 0.663 | 1.595 | 143.8 | 22.0 | 15.9 |
| 1995 08 31 | 21 | 04.09 | -45 03.6 | 0.696 | 1.601 | 138.8 | 24.6 | 16.1 |
| 1995 09 10 | 21 | 07.65 | -42 43.9 | 0.742 | 1.610 | 133.5 | 27.0 | 16.4 |
| 1995 09 20 | 21 | 14.69 | -39 52.8 | 0.799 | 1.625 | 128.1 | 29.1 | 16.6 |
| 1995 09 30 | 21 | 24.76 | -36 41.1 | 0.868 | 1.643 | 122.9 | 30.8 | 16.9 |
| 1995 10 10 | 21 | 37.22 | -33 17.5 | 0.948 | 1.666 | 117.7 | 32.1 | 17.1 |
| 1995 10 20 | 21 | 51.38 | -29 48.5 | 1.037 | 1.692 | 112.6 | 32.9 | 17.4 |
| 1995 10 30 | 22 | 06.75 | -26 18.3 | 1.137 | 1.722 | 107.6 | 33.3 | 17.7 |

| | | | | | | | | |
|------------|----|-------|----------|-------|-------|-------|------|------|
| 1995 11 09 | 22 | 22.96 | -22 49.9 | 1.247 | 1.755 | 102.7 | 33.4 | 17.9 |
| 1995 11 19 | 22 | 39.69 | -19 25.3 | 1.364 | 1.790 | 97.8 | 33.2 | 18.1 |
| 1995 11 29 | 22 | 56.78 | -16 05.5 | 1.490 | 1.828 | 92.9 | 32.6 | 18.3 |
| 1995 12 09 | 23 | 14.09 | -12 51.5 | 1.622 | 1.868 | 87.9 | 31.8 | 18.5 |
| 1995 12 19 | 23 | 31.52 | -09 43.6 | 1.760 | 1.909 | 83.0 | 30.8 | 18.7 |
| 1995 12 29 | 23 | 49.05 | -06 42.1 | 1.902 | 1.952 | 78.0 | 29.5 | 18.9 |
| 1996 01 08 | 00 | 06.64 | -03 47.2 | 2.048 | 1.996 | 73.0 | 28.1 | 19.1 |
| 1996 01 18 | 00 | 24.26 | -00 59.1 | 2.194 | 2.041 | 68.0 | 26.5 | 19.2 |

1993 PB

$a, e, i = 1.42, 0.61, 41$

Elements MPC 25531

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | V |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|------|
| 1995 08 01 | 23 | 00.45 | +20 14.1 | 1.474 | 2.255 | 128.9 | 20.5 | 20.1 |
| 1995 08 11 | 22 | 42.77 | +21 52.1 | 1.414 | 2.268 | 137.7 | 17.5 | 19.9 |
| 1995 08 21 | 22 | 21.93 | +22 50.3 | 1.378 | 2.278 | 144.4 | 15.0 | 19.8 |
| 1995 08 31 | 21 | 59.78 | +23 01.3 | 1.371 | 2.284 | 146.9 | 14.0 | 19.8 |
| 1995 09 10 | 21 | 38.68 | +22 27.1 | 1.393 | 2.287 | 144.2 | 14.9 | 19.8 |
| 1995 09 20 | 21 | 20.66 | +21 18.6 | 1.443 | 2.287 | 137.5 | 17.2 | 20.0 |
| 1995 09 30 | 21 | 06.96 | +19 51.0 | 1.515 | 2.283 | 129.0 | 19.9 | 20.2 |
| 1995 10 10 | 20 | 57.96 | +18 19.5 | 1.606 | 2.275 | 120.0 | 22.3 | 20.4 |
| 1995 10 20 | 20 | 53.38 | +16 54.8 | 1.708 | 2.265 | 111.0 | 24.2 | 20.6 |
| 1995 10 30 | 20 | 52.72 | +15 43.5 | 1.816 | 2.250 | 102.4 | 25.5 | 20.7 |
| 1995 11 09 | 20 | 55.37 | +14 49.3 | 1.927 | 2.232 | 94.3 | 26.3 | 20.9 |
| 1995 11 19 | 21 | 00.76 | +14 13.4 | 2.035 | 2.211 | 86.7 | 26.5 | 21.0 |
| 1995 11 29 | 21 | 08.44 | +13 56.1 | 2.139 | 2.186 | 79.5 | 26.3 | 21.0 |

1993 VW

$a, e, i = 1.70, 0.48, 9$

Elements MPC 24119

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | V |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|------|
| 1995 08 01 | 00 | 52.63 | +15 58.2 | 1.813 | 2.358 | 109.7 | 23.9 | 20.8 |
| 1995 08 11 | 00 | 53.83 | +16 36.1 | 1.668 | 2.330 | 118.6 | 22.5 | 20.5 |
| 1995 08 21 | 00 | 52.08 | +16 56.1 | 1.532 | 2.299 | 128.2 | 20.2 | 20.2 |
| 1995 08 31 | 00 | 46.98 | +16 53.0 | 1.408 | 2.266 | 138.6 | 17.2 | 19.9 |
| 1995 09 10 | 00 | 38.43 | +16 21.2 | 1.302 | 2.230 | 149.6 | 13.2 | 19.6 |
| 1995 09 20 | 00 | 26.73 | +15 16.8 | 1.219 | 2.192 | 160.8 | 8.7 | 19.2 |
| 1995 09 30 | 00 | 12.83 | +13 39.4 | 1.160 | 2.151 | 168.6 | 5.3 | 18.9 |
| 1995 10 10 | 23 | 58.35 | +11 35.9 | 1.130 | 2.108 | 163.9 | 7.5 | 18.9 |
| 1995 10 20 | 23 | 45.11 | +09 19.6 | 1.128 | 2.062 | 152.4 | 12.9 | 19.1 |
| 1995 10 30 | 23 | 34.71 | +07 06.5 | 1.149 | 2.014 | 140.0 | 18.5 | 19.3 |
| 1995 11 09 | 23 | 28.15 | +05 10.6 | 1.190 | 1.963 | 128.1 | 23.4 | 19.4 |
| 1995 11 19 | 23 | 25.74 | +03 40.2 | 1.244 | 1.910 | 117.2 | 27.4 | 19.6 |

| | | | | | | | |
|------------|----------|----------|-------|-------|-------|------|------|
| 1995 11 29 | 23 27.39 | +02 38.5 | 1.305 | 1.854 | 107.1 | 30.6 | 19.7 |
| 1995 12 09 | 23 32.72 | +02 05.1 | 1.369 | 1.795 | 98.1 | 32.9 | 19.8 |
| 1995 12 19 | 23 41.29 | +01 57.7 | 1.430 | 1.734 | 89.8 | 34.6 | 19.9 |
| 1995 12 29 | 23 52.72 | +02 13.6 | 1.486 | 1.670 | 82.4 | 35.7 | 19.9 |
| 1996 01 08 | 00 06.67 | +02 49.8 | 1.534 | 1.604 | 75.6 | 36.4 | 19.9 |
| 1996 01 18 | 00 22.90 | +03 43.4 | 1.573 | 1.536 | 69.5 | 36.9 | 19.9 |
| 1996 01 28 | 00 41.30 | +04 51.8 | 1.600 | 1.465 | 64.0 | 37.2 | 19.9 |

| 1994 TF₂ | | | | | | | |
|----------------------------|-----------------|-----------------|----------|-------|--------------|--------|------|
| $a, e, i = 0.99, 0.28, 24$ | | | | | | | |
| Date TT | α_{2000} | δ_{2000} | Δ | r | Elements MPC | 25533 | |
| | | | | | ϵ | ϕ | V |
| 1995 08 01 | 01 11.10 | +28 24.2 | 0.593 | 1.264 | 100.3 | 52.2 | 20.3 |
| 1995 08 11 | 01 24.17 | +26 36.9 | 0.520 | 1.272 | 107.6 | 49.4 | 19.9 |
| 1995 08 21 | 01 34.19 | +23 21.4 | 0.447 | 1.275 | 116.4 | 45.3 | 19.5 |
| 1995 08 31 | 01 39.89 | +17 52.4 | 0.376 | 1.273 | 127.2 | 39.2 | 19.0 |
| 1995 09 10 | 01 39.83 | +09 07.1 | 0.315 | 1.266 | 140.4 | 30.5 | 18.3 |
| 1995 09 20 | 01 32.48 | -03 44.9 | 0.271 | 1.253 | 153.7 | 20.8 | 17.7 |
| 1995 09 30 | 01 16.85 | -19 36.8 | 0.254 | 1.236 | 154.3 | 20.6 | 17.5 |
| 1995 10 10 | 00 54.41 | -34 28.1 | 0.267 | 1.213 | 139.1 | 32.6 | 17.9 |
| 1995 10 20 | 00 29.35 | -45 05.4 | 0.300 | 1.186 | 122.7 | 45.0 | 18.5 |
| 1995 10 30 | 00 07.26 | -51 25.9 | 0.344 | 1.153 | 109.3 | 54.4 | 19.0 |
| 1995 11 09 | 23 51.99 | -54 54.8 | 0.387 | 1.116 | 98.6 | 61.3 | 19.4 |
| 1995 11 19 | 23 43.91 | -56 47.9 | 0.425 | 1.075 | 89.9 | 66.8 | 19.7 |
| 1995 11 29 | 23 41.50 | -57 52.1 | 0.453 | 1.030 | 82.4 | 71.7 | 19.9 |
| 1995 12 09 | 23 42.15 | -58 37.8 | 0.469 | 0.982 | 75.8 | 76.6 | 20.0 |
| 1995 12 19 | 23 42.34 | -59 22.0 | 0.470 | 0.931 | 69.6 | 82.1 | 20.1 |
| 1995 12 29 | 23 37.45 | -60 13.5 | 0.456 | 0.880 | 63.5 | 88.9 | 20.1 |

| 1995 LE | | | | | | | |
|---------------------------|-----------------|-----------------|----------|-------|--------------|--------|------|
| $a, e, i = 2.58, 0.57, 4$ | | | | | | | |
| Date TT | α_{2000} | δ_{2000} | Δ | r | Elements MPC | 25534 | |
| | | | | | ϵ | ϕ | V |
| 1995 08 01 | 01 56.62 | +23 45.1 | 0.395 | 1.107 | 92.9 | 66.3 | 18.0 |
| 1995 08 11 | 02 39.01 | +27 06.6 | 0.414 | 1.109 | 92.1 | 66.0 | 18.1 |
| 1995 08 21 | 03 15.34 | +29 12.7 | 0.436 | 1.124 | 93.3 | 63.9 | 18.2 |
| 1995 08 31 | 03 44.89 | +30 21.8 | 0.456 | 1.152 | 96.3 | 60.5 | 18.3 |
| 1995 09 10 | 04 07.34 | +30 49.7 | 0.473 | 1.192 | 101.0 | 56.0 | 18.3 |
| 1995 09 20 | 04 22.45 | +30 48.0 | 0.487 | 1.241 | 107.5 | 50.6 | 18.3 |
| 1995 09 30 | 04 29.89 | +30 22.9 | 0.498 | 1.297 | 115.6 | 44.1 | 18.2 |
| 1995 10 10 | 04 29.74 | +29 36.3 | 0.510 | 1.360 | 125.6 | 36.7 | 18.2 |
| 1995 10 20 | 04 22.68 | +28 28.1 | 0.526 | 1.427 | 137.1 | 28.3 | 18.1 |
| 1995 10 30 | 04 10.35 | +26 58.3 | 0.553 | 1.498 | 150.0 | 19.4 | 18.1 |
| 1995 11 09 | 03 55.58 | +25 12.4 | 0.595 | 1.570 | 163.5 | 10.3 | 18.0 |
| 1995 11 19 | 03 41.37 | +23 22.6 | 0.657 | 1.644 | 175.7 | 2.6 | 17.9 |
| 1995 11 29 | 03 30.03 | +21 43.1 | 0.740 | 1.718 | 168.9 | 6.4 | 18.5 |
| 1995 12 09 | 03 22.82 | +20 24.2 | 0.844 | 1.793 | 157.0 | 12.4 | 19.1 |
| 1995 12 19 | 03 19.82 | +19 29.8 | 0.968 | 1.867 | 146.0 | 17.1 | 19.7 |
| 1995 12 29 | 03 20.65 | +18 58.6 | 1.110 | 1.941 | 135.9 | 20.7 | 20.2 |
| 1996 01 08 | 03 24.72 | +18 46.9 | 1.267 | 2.014 | 126.6 | 23.1 | 20.6 |
| 1996 01 18 | 03 31.39 | +18 50.1 | 1.435 | 2.085 | 117.9 | 24.6 | 21.0 |

| 1992 LC | | | | | | | |
|----------------------------|-----------------|-----------------|----------|-------|--------------|--------|------|
| $a, e, i = 2.52, 0.70, 18$ | | | | | | | |
| Date TT | α_{2000} | δ_{2000} | Δ | r | Elements MPC | 25530 | |
| | | | | | ϵ | ϕ | V |
| 1995 08 01 | 02 23.97 | -02 07.9 | 2.553 | 2.832 | 95.2 | 20.9 | 20.3 |
| 1995 08 11 | 02 29.78 | -02 16.3 | 2.352 | 2.764 | 103.1 | 20.9 | 20.1 |
| 1995 08 21 | 02 33.94 | -02 37.3 | 2.156 | 2.694 | 111.3 | 20.5 | 19.8 |
| 1995 08 31 | 02 36.02 | -03 11.9 | 1.967 | 2.622 | 120.0 | 19.5 | 19.5 |

| | | | | | | | |
|------------|----------|----------|-------|-------|-------|------|------|
| 1995 09 10 | 02 35.51 | -04 00.1 | 1.788 | 2.547 | 129.2 | 17.8 | 19.2 |
| 1995 09 20 | 02 31.93 | -05 01.2 | 1.625 | 2.471 | 138.8 | 15.5 | 18.9 |
| 1995 09 30 | 02 24.77 | -06 12.1 | 1.480 | 2.392 | 148.5 | 12.6 | 18.5 |
| 1995 10 10 | 02 13.83 | -07 26.8 | 1.358 | 2.310 | 157.0 | 9.7 | 18.1 |
| 1995 10 20 | 01 59.37 | -08 35.6 | 1.263 | 2.226 | 160.5 | 8.6 | 17.8 |
| 1995 10 30 | 01 42.35 | -09 26.4 | 1.196 | 2.140 | 155.6 | 11.1 | 17.7 |
| 1995 11 09 | 01 24.48 | -09 47.2 | 1.157 | 2.051 | 145.4 | 15.9 | 17.7 |
| 1995 11 19 | 01 07.75 | -09 30.9 | 1.142 | 1.959 | 133.5 | 21.5 | 17.8 |
| 1995 11 29 | 00 53.95 | -08 36.4 | 1.147 | 1.864 | 121.7 | 26.8 | 17.9 |
| 1995 12 09 | 00 44.21 | -07 07.3 | 1.163 | 1.767 | 110.5 | 31.5 | 17.9 |
| 1995 12 19 | 00 38.89 | -05 08.9 | 1.184 | 1.667 | 100.1 | 35.5 | 17.9 |
| 1995 12 29 | 00 37.90 | -02 45.8 | 1.204 | 1.564 | 90.8 | 38.9 | 17.9 |
| 1996 01 08 | 00 40.91 | -00 01.0 | 1.217 | 1.460 | 82.4 | 41.9 | 17.9 |
| 1996 01 18 | 00 47.50 | +03 04.2 | 1.220 | 1.353 | 74.9 | 44.6 | 17.8 |
| 1996 01 28 | 00 57.37 | +06 30.0 | 1.209 | 1.246 | 68.3 | 47.3 | 17.7 |
| 1996 02 07 | 01 10.30 | +10 17.4 | 1.181 | 1.138 | 62.6 | 50.3 | 17.5 |

| 1988 JB₁ | | | | | | | |
|----------------------------|-----------------|-----------------|----------|-------|--------------|--------|------|
| $a, e, i = 3.14, 0.40, 20$ | | | | | | | |
| Date TT | α_{2000} | δ_{2000} | Δ | r | Elements MPC | 25537 | |
| | | | | | ϵ | ϕ | V |
| 1995 08 01 | 02 27.44 | -02 28.8 | 3.735 | 3.947 | 94.5 | 14.9 | 20.7 |
| 1995 08 11 | 02 30.58 | -03 10.0 | 3.615 | 3.970 | 103.1 | 14.4 | 20.6 |
| 1995 08 21 | 02 32.20 | -04 00.9 | 3.501 | 3.993 | 112.0 | 13.6 | 20.5 |
| 1995 08 31 | 02 32.18 | -05 00.5 | 3.398 | 4.015 | 121.2 | 12.4 | 20.4 |
| 1995 09 10 | 02 30.47 | -06 06.8 | 3.308 | 4.036 | 130.6 | 10.9 | 20.3 |
| 1995 09 20 | 02 27.12 | -07 16.9 | 3.238 | 4.057 | 139.8 | 9.2 | 20.2 |
| 1995 09 30 | 02 22.29 | -08 27.3 | 3.190 | 4.077 | 148.4 | 7.4 | 20.1 |
| 1995 10 10 | 02 16.27 | -09 33.4 | 3.169 | 4.097 | 155.2 | 5.9 | 20.0 |
| 1995 10 20 | 02 09.49 | -10 31.0 | 3.176 | 4.116 | 157.9 | 5.2 | 20.0 |
| 1995 10 30 | 02 02.47 | -11 16.2 | 3.213 | 4.134 | 155.0 | 5.8 | 20.1 |
| 1995 11 09 | 01 55.77 | -11 46.5 | 3.278 | 4.152 | 148.0 | 7.3 | 20.2 |
| 1995 11 19 | 01 49.85 | -12 00.6 | 3.370 | 4.169 | 139.3 | 8.9 | 20.3 |
| 1995 11 29 | 01 45.13 | -11 58.8 | 3.484 | 4.185 | 129.8 | 10.4 | 20.5 |
| 1995 12 09 | 01 41.85 | -11 42.5 | 3.618 | 4.201 | 120.2 | 11.7 | 20.6 |
| 1995 12 19 | 01 40.13 | -11 13.6 | 3.766 | 4.216 | 110.8 | 12.6 | 20.8 |
| 1995 12 29 | 01 40.00 | -10 34.4 | 3.923 | 4.231 | 101.5 | 13.2 | 20.9 |

| 1992 SK | | | | | | | |
|----------------------------|-----------------|-----------------|----------|-------|--------------|--------|------|
| $a, e, i = 1.25, 0.32, 15$ | | | | | | | |
| Date TT | α_{2000} | δ_{2000} | Δ | r | Elements MPC | 21797 | |
| | | | | | ϵ | ϕ | V |
| 1995 08 01 | 03 47.13 | +22 46.5 | 1.488 | 1.466 | 68.8 | 40.2 | 20.8 |
| 1995 08 11 | 04 06.48 | +25 11.2 | 1.430 | 1.501 | 73.5 | 40.4 | 20.8 |
| 1995 08 21 | 04 24.86 | +27 31.4 | 1.365 | 1.531 | 78.7 | 40.4 | 20.7 |
| 1995 08 31 | 04 41.98 | +29 49.9 | 1.293 | 1.559 | 84.2 | 40.1 | 20.6 |
| 1995 09 10 | 04 57.46 | +32 10.1 | 1.217 | 1.583 | 90.3 | 39.5 | 20.5 |
| 1995 09 20 | 05 10.78 | +34 35.9 | 1.137 | 1.604 | 96.8 | 38.5 | 20.3 |
| 1995 09 30 | 05 21.15 | +37 11.3 | 1.055 | 1.621 | 104.0 | 36.9 | 20.2 |
| 1995 10 10 | 05 27.50 | +39 59.6 | 0.975 | 1.634 | 111.8 | 34.6 | 19.9 |
| 1995 10 20 | 05 28.37 | +43 01.8 | 0.900 | 1.644 | 120.2 | 31.6 | 19.7 |
| 1995 10 30 | 05 21.81 | +46 12.6 | 0.833 | 1.651 | 129.2 | 27.8 | 19.4 |
| 1995 11 09 | 05 05.89 | +49 14.9 | 0.779 | 1.654 | 138.0 | 23.6 | 19.2 |
| 1995 11 19 | 04 39.85 | +51 38.3 | 0.742 | 1.653 | 145.3 | 19.9 | 18.9 |
| 1995 11 29 | 04 06.35 | +52 45.6 | 0.726 | 1.649 | 148.5 | 18.2 | 18.8 |
| 1995 12 09 | 03 32.45 | +52 18.9 | 0.731 | 1.642 | 145.9 | 19.7 | 18.9 |
| 1995 12 19 | 03 05.40 | +50 36.6 | 0.756 | 1.631 | 138.9 | 23.4 | 19.1 |

| | | | | | | | |
|------------|----------|----------|-------|-------|-------|------|------|
| 1995 12 29 | 02 48.74 | +48 17.8 | 0.798 | 1.616 | 130.0 | 27.8 | 19.3 |
| 1996 01 08 | 02 42.17 | +45 58.0 | 0.852 | 1.598 | 121.0 | 31.8 | 19.5 |
| 1996 01 18 | 02 43.83 | +43 56.4 | 0.913 | 1.577 | 112.4 | 35.2 | 19.7 |
| 1996 01 28 | 02 51.91 | +42 19.1 | 0.977 | 1.552 | 104.6 | 37.9 | 19.9 |
| 1996 02 07 | 03 04.95 | +41 05.1 | 1.041 | 1.524 | 97.4 | 39.9 | 20.1 |
| 1996 02 17 | 03 21.89 | +40 09.0 | 1.102 | 1.492 | 90.9 | 41.5 | 20.2 |
| 1996 02 27 | 03 42.06 | +39 24.8 | 1.159 | 1.457 | 85.0 | 42.6 | 20.3 |
| 1996 03 08 | 04 04.93 | +38 45.8 | 1.208 | 1.418 | 79.6 | 43.5 | 20.3 |

1994 VK_s $a, e, i = 43.45, 0.00, 1$

Elements MPC 24715

| Date TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | V |
|------------|-----------------|-----------------|----------|--------|------------|--------|------|
| 1995 08 01 | 04 07.63 | +20 40.6 | 43.878 | 43.450 | 64.5 | 1.2 | 22.6 |
| 1995 08 11 | 04 08.09 | +20 41.8 | 43.719 | 43.450 | 74.0 | 1.3 | 22.6 |
| 1995 08 21 | 04 08.41 | +20 42.7 | 43.553 | 43.450 | 83.5 | 1.3 | 22.6 |
| 1995 08 31 | 04 08.57 | +20 43.1 | 43.384 | 43.450 | 93.1 | 1.3 | 22.6 |
| 1995 09 10 | 04 08.57 | +20 43.1 | 43.216 | 43.450 | 102.8 | 1.3 | 22.6 |
| 1995 09 20 | 04 08.41 | +20 42.6 | 43.055 | 43.450 | 112.6 | 1.2 | 22.6 |
| 1995 09 30 | 04 08.10 | +20 41.8 | 42.905 | 43.450 | 122.5 | 1.1 | 22.5 |
| 1995 10 10 | 04 07.65 | +20 40.6 | 42.771 | 43.450 | 132.4 | 1.0 | 22.5 |
| 1995 10 20 | 04 07.07 | +20 39.1 | 42.656 | 43.450 | 142.5 | 0.8 | 22.5 |
| 1995 10 30 | 04 06.39 | +20 37.2 | 42.566 | 43.450 | 152.6 | 0.6 | 22.5 |
| 1995 11 09 | 04 05.62 | +20 35.2 | 42.503 | 43.450 | 162.8 | 0.4 | 22.4 |
| 1995 11 19 | 04 04.81 | +20 33.0 | 42.469 | 43.450 | 173.0 | 0.2 | 22.4 |
| 1995 11 29 | 04 03.97 | +20 30.8 | 42.466 | 43.450 | 176.6 | 0.1 | 22.4 |
| 1995 12 09 | 04 03.14 | +20 28.5 | 42.493 | 43.450 | 166.3 | 0.3 | 22.4 |
| 1995 12 19 | 04 02.36 | +20 26.4 | 42.550 | 43.450 | 156.0 | 0.5 | 22.5 |
| 1995 12 29 | 04 01.65 | +20 24.5 | 42.636 | 43.450 | 145.6 | 0.7 | 22.5 |
| 1996 01 08 | 04 01.04 | +20 22.9 | 42.746 | 43.450 | 135.3 | 0.9 | 22.5 |
| 1996 01 18 | 04 00.55 | +20 21.6 | 42.879 | 43.450 | 125.0 | 1.1 | 22.5 |
| 1996 01 28 | 04 00.21 | +20 20.7 | 43.030 | 43.450 | 114.7 | 1.2 | 22.6 |
| 1996 02 07 | 04 00.02 | +20 20.3 | 43.193 | 43.450 | 104.5 | 1.3 | 22.6 |
| 1996 02 17 | 03 59.99 | +20 20.3 | 43.364 | 43.450 | 94.4 | 1.3 | 22.6 |
| 1996 02 27 | 04 00.13 | +20 20.8 | 43.537 | 43.450 | 84.3 | 1.3 | 22.6 |
| 1996 03 08 | 04 00.44 | +20 21.8 | 43.707 | 43.450 | 74.4 | 1.3 | 22.6 |
| 1996 03 18 | 04 00.90 | +20 23.2 | 43.869 | 43.450 | 64.5 | 1.2 | 22.6 |

1989 UQ $a, e, i = 0.92, 0.26, 1$

Elements MPC 24761

| Date TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | V |
|------------|-----------------|-----------------|----------|-------|------------|--------|------|
| 1995 08 11 | 13 16.93 | -05 22.1 | 0.405 | 0.897 | 61.9 | 94.7 | 20.2 |
| 1995 08 21 | 14 19.77 | -11 16.2 | 0.385 | 0.944 | 68.9 | 88.8 | 19.9 |
| 1995 08 31 | 15 24.56 | -16 18.6 | 0.386 | 0.988 | 75.7 | 82.0 | 19.8 |
| 1995 09 10 | 16 27.40 | -19 51.5 | 0.406 | 1.028 | 81.4 | 75.6 | 19.7 |
| 1995 09 20 | 17 25.06 | -21 48.9 | 0.441 | 1.063 | 85.3 | 70.3 | 19.8 |
| 1995 09 30 | 18 16.31 | -22 27.7 | 0.486 | 1.093 | 87.3 | 66.3 | 20.0 |
| 1995 10 10 | 19 01.42 | -22 10.0 | 0.539 | 1.117 | 87.9 | 63.3 | 20.1 |
| 1995 10 20 | 19 41.34 | -21 13.2 | 0.595 | 1.136 | 87.3 | 61.1 | 20.3 |
| 1995 10 30 | 20 17.30 | -19 48.9 | 0.653 | 1.149 | 85.9 | 59.6 | 20.5 |
| 1995 11 09 | 20 50.25 | -18 04.5 | 0.712 | 1.156 | 83.9 | 58.4 | 20.7 |
| 1995 11 19 | 21 20.97 | -16 04.4 | 0.768 | 1.157 | 81.4 | 57.6 | 20.8 |
| 1995 11 29 | 21 50.12 | -13 51.5 | 0.822 | 1.153 | 78.7 | 57.0 | 20.9 |
| 1995 12 09 | 22 18.16 | -11 27.9 | 0.870 | 1.143 | 75.8 | 56.7 | 21.0 |

(5879) 1992 CH₁ $a, e, i = 1.62, 0.29, 22$

Elements MPC 23233

| Date TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | V |
|------------|-----------------|-----------------|----------|-------|------------|--------|------|
| 1995 08 11 | 02 34.86 | -03 54.4 | 1.391 | 1.887 | 102.3 | 31.6 | 21.0 |
| 1995 08 21 | 02 48.52 | -05 51.9 | 1.272 | 1.859 | 108.4 | 31.1 | 20.8 |
| 1995 08 31 | 03 00.51 | -08 24.7 | 1.161 | 1.828 | 114.6 | 30.1 | 20.5 |
| 1995 09 10 | 03 10.33 | -11 34.3 | 1.059 | 1.796 | 120.7 | 28.8 | 20.3 |
| 1995 09 20 | 03 17.34 | -15 19.0 | 0.970 | 1.763 | 126.4 | 27.3 | 20.0 |
| 1995 09 30 | 03 20.82 | -19 32.0 | 0.895 | 1.727 | 131.2 | 25.9 | 19.7 |
| 1995 10 10 | 03 20.13 | -23 58.0 | 0.835 | 1.691 | 134.3 | 25.0 | 19.5 |
| 1995 10 20 | 03 14.91 | -28 14.3 | 0.792 | 1.653 | 135.0 | 25.2 | 19.3 |
| 1995 10 30 | 03 05.39 | -31 51.9 | 0.764 | 1.614 | 133.0 | 26.7 | 19.3 |
| 1995 11 09 | 02 52.92 | -34 23.9 | 0.751 | 1.575 | 128.9 | 29.3 | 19.2 |
| 1995 11 19 | 02 39.67 | -35 33.7 | 0.748 | 1.534 | 123.5 | 32.5 | 19.3 |
| 1995 11 29 | 02 28.19 | -35 17.3 | 0.754 | 1.494 | 117.7 | 35.8 | 19.3 |
| 1995 12 09 | 02 20.55 | -33 43.1 | 0.763 | 1.453 | 111.8 | 39.0 | 19.4 |
| 1995 12 19 | 02 17.74 | -31 04.5 | 0.775 | 1.413 | 106.3 | 42.0 | 19.4 |
| 1995 12 29 | 02 19.97 | -27 34.2 | 0.786 | 1.373 | 101.2 | 44.6 | 19.5 |
| 1996 01 08 | 02 26.93 | -23 23.5 | 0.797 | 1.335 | 96.6 | 47.0 | 19.5 |
| 1996 01 18 | 02 38.09 | -18 40.2 | 0.805 | 1.298 | 92.5 | 49.2 | 19.5 |
| 1996 01 28 | 02 53.05 | -13 29.9 | 0.812 | 1.265 | 89.0 | 51.1 | 19.5 |
| 1996 02 07 | 03 11.46 | -07 58.7 | 0.817 | 1.234 | 85.8 | 52.8 | 19.6 |
| 1996 02 17 | 03 33.09 | -02 12.2 | 0.823 | 1.208 | 83.1 | 54.3 | 19.6 |
| 1996 02 27 | 03 57.91 | +03 41.9 | 0.831 | 1.186 | 80.8 | 55.5 | 19.6 |
| 1996 03 08 | 04 25.93 | +09 33.8 | 0.841 | 1.170 | 78.8 | 56.4 | 19.6 |
| 1996 03 18 | 04 57.18 | +15 11.4 | 0.856 | 1.159 | 77.1 | 56.8 | 19.6 |
| 1996 03 28 | 05 31.75 | +20 21.0 | 0.877 | 1.155 | 75.7 | 56.9 | 19.7 |

16P/Brooks 2

Elements MPC 24368

| Date TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | m_2 |
|------------|-----------------|-----------------|----------|-------|------------|--------|-------|
| 1995 09 10 | 09 08.04 | +12 52.8 | 4.169 | 3.351 | 31.5 | 9.0 | 19.8 |
| 1995 09 20 | 09 19.58 | +11 59.5 | 4.130 | 3.398 | 38.2 | 10.5 | 19.9 |
| 1995 09 30 | 09 30.33 | +11 06.8 | 4.077 | 3.445 | 45.2 | 11.9 | 20.0 |
| 1995 10 10 | 09 40.18 | +10 15.7 | 4.009 | 3.491 | 52.5 | 13.1 | 20.0 |
| 1995 10 20 | 09 49.06 | +09 27.3 | 3.928 | 3.537 | 60.0 | 14.1 | 20.0 |
| 1995 10 30 | 09 56.85 | +08 42.7 | 3.835 | 3.582 | 67.9 | 14.9 | 20.0 |
| 1995 11 09 | 10 03.41 | +08 03.3 | 3.734 | 3.627 | 76.1 | 15.4 | 20.0 |
| 1995 11 19 | 10 08.61 | +07 30.2 | 3.626 | 3.671 | 84.8 | 15.6 | 20.0 |
| 1995 11 29 | 10 12.31 | +07 05.0 | 3.515 | 3.714 | 93.9 | 15.4 | 19.9 |
| 1995 12 09 | 10 14.36 | +06 48.8 | 3.404 | 3.757 | 103.4 | 14.8 | 19.9 |
| 1995 12 19 | 10 14.66 | +06 42.8 | 3.299 | 3.799 | 113.5 | 13.7 | 19.8 |
| 1995 12 29 | 10 13.14 | +06 47.8 | 3.204 | 3.841 | 124.0 | 12.3 | 19.7 |
| 1996 01 08 | 10 09.86 | +07 03.9 | 3.124 | 3.882 | 135.0 | 10.3 | 19.6 |
| 1996 01 18 | 10 04.97 | +07 30.6 | 3.065 | 3.923 | 146.4 | 8.0 | 19.5 |
| 1996 01 28 | 09 58.78 | +08 06.2 | 3.032 | 3.963 | 158.1 | 5.3 | 19.3 |
| 1996 02 07 | 09 51.75 | +08 48.3 | 3.028 | 4.002 | 169.7 | 2.5 | 19.2 |
| 1996 02 17 | 09 44.45 | +09 33.5 | 3.056 | 4.041 | 175.4 | 1.1 | 19.1 |
| 1996 02 27 | 09 37.46 | +10 18.5 | 3.115 | 4.080 | 165.1 | 3.6 | 19.4 |
| 1996 03 08 | 09 31.32 | +11 00.1 | 3.204 | 4.117 | 153.6 | 6.1 | 19.6 |
| 1996 03 18 | 09 26.44 | +11 36.2 | 3.321 | 4.155 | 142.4 | 8.4 | 19.8 |
| 1996 03 28 | 09 23.08 | +12 05.1 | 3.461 | 4.191 | 131.6 | 10.3 | 20.0 |
| 1996 04 07 | 09 21.36 | +12 26.1 | 3.620 | 4.227 | 121.3 | 11.7 | 20.1 |
| 1996 04 17 | 09 21.26 | +12 38.9 | 3.792 | 4.262 | 111.4 | 12.7 | 20.3 |

| | | | | | | | |
|------------|----------|----------|-------|-------|-------|------|------|
| 1996 04 27 | 09 22.70 | +12 43.9 | 3.974 | 4.297 | 102.0 | 13.2 | 20.4 |
| 1996 05 07 | 09 25.52 | +12 41.4 | 4.161 | 4.332 | 92.9 | 13.5 | 20.6 |

47P/Ashbrook-Jackson

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | m_2 |
|------------|----------|-----------------|-----------------|----------|-------|------------|--------|-------|
| 1995 09 20 | 09 43.36 | +22 22.0 | 5.435 | 4.669 | 36.8 | 7.4 | 19.1 | |
| 1995 09 30 | 09 51.69 | +21 44.6 | 5.356 | 4.693 | 44.4 | 8.6 | 19.1 | |
| 1995 10 10 | 09 59.39 | +21 10.8 | 5.262 | 4.716 | 52.2 | 9.6 | 19.1 | |
| 1995 10 20 | 10 06.35 | +20 41.4 | 5.153 | 4.738 | 60.3 | 10.5 | 19.1 | |
| 1995 10 30 | 10 12.47 | +20 17.4 | 5.032 | 4.760 | 68.6 | 11.2 | 19.1 | |
| 1995 11 09 | 10 17.61 | +19 59.4 | 4.902 | 4.782 | 77.3 | 11.7 | 19.1 | |
| 1995 11 19 | 10 21.67 | +19 48.1 | 4.765 | 4.804 | 86.3 | 11.8 | 19.0 | |
| 1995 11 29 | 10 24.50 | +19 44.4 | 4.627 | 4.824 | 95.6 | 11.7 | 19.0 | |
| 1995 12 09 | 10 25.98 | +19 48.4 | 4.491 | 4.845 | 105.3 | 11.3 | 18.9 | |
| 1995 12 19 | 10 26.03 | +20 00.0 | 4.361 | 4.865 | 115.4 | 10.5 | 18.8 | |
| 1995 12 29 | 10 24.57 | +20 19.0 | 4.244 | 4.885 | 125.8 | 9.4 | 18.7 | |
| 1996 01 08 | 10 21.62 | +20 43.8 | 4.144 | 4.904 | 136.5 | 7.9 | 18.6 | |
| 1996 01 18 | 10 17.29 | +21 12.9 | 4.066 | 4.923 | 147.3 | 6.2 | 18.5 | |
| 1996 01 28 | 10 11.78 | +21 43.8 | 4.014 | 4.941 | 158.0 | 4.3 | 18.4 | |
| 1996 02 07 | 10 05.44 | +22 13.6 | 3.992 | 4.959 | 167.4 | 2.5 | 18.3 | |
| 1996 02 17 | 09 58.68 | +22 39.8 | 4.002 | 4.977 | 169.6 | 2.0 | 18.2 | |
| 1996 02 27 | 09 51.97 | +22 59.9 | 4.043 | 4.994 | 162.0 | 3.5 | 18.4 | |
| 1996 03 08 | 09 45.78 | +23 12.6 | 4.114 | 5.011 | 151.7 | 5.4 | 18.5 | |
| 1996 03 18 | 09 40.49 | +23 17.1 | 4.213 | 5.027 | 141.1 | 7.1 | 18.7 | |
| 1996 03 28 | 09 36.38 | +23 13.3 | 4.336 | 5.043 | 130.6 | 8.6 | 18.8 | |
| 1996 04 07 | 09 33.64 | +23 01.9 | 4.477 | 5.058 | 120.4 | 9.8 | 18.9 | |
| 1996 04 17 | 09 32.32 | +22 43.7 | 4.633 | 5.073 | 110.6 | 10.7 | 19.0 | |
| 1996 04 27 | 09 32.41 | +22 19.4 | 4.798 | 5.088 | 101.1 | 11.2 | 19.1 | |
| 1996 05 07 | 09 33.81 | +21 50.0 | 4.968 | 5.102 | 91.9 | 11.4 | 19.2 | |
| 1996 05 17 | 09 36.40 | +21 16.2 | 5.138 | 5.116 | 83.1 | 11.3 | 19.3 | |
| 1996 05 27 | 09 40.07 | +20 38.6 | 5.306 | 5.129 | 74.5 | 11.0 | 19.4 | |
| 1996 06 06 | 09 44.65 | +19 57.8 | 5.466 | 5.142 | 66.2 | 10.4 | 19.4 | |
| 1996 06 16 | 09 50.01 | +19 14.1 | 5.618 | 5.155 | 58.2 | 9.6 | 19.4 | |
| 1996 06 26 | 09 56.04 | +18 27.9 | 5.757 | 5.167 | 50.3 | 8.7 | 19.5 | |
| 1996 07 06 | 10 02.60 | +17 39.7 | 5.882 | 5.179 | 42.5 | 7.6 | 19.5 | |
| 1996 07 16 | 10 09.59 | +16 49.7 | 5.991 | 5.190 | 34.9 | 6.4 | 19.5 | |

P/1995 A1 (Jedicke)

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | m_1 |
|------------|----------|-----------------|-----------------|----------|-------|------------|--------|-------|
| 1995 09 20 | 09 52.46 | +19 50.0 | 6.055 | 5.248 | 33.7 | 6.1 | 19.6 | |
| 1995 09 30 | 10 00.71 | +19 29.0 | 5.980 | 5.271 | 41.4 | 7.2 | 19.6 | |
| 1995 10 10 | 10 08.44 | +19 11.5 | 5.890 | 5.294 | 49.4 | 8.2 | 19.6 | |
| 1995 10 20 | 10 15.58 | +18 58.2 | 5.785 | 5.317 | 57.6 | 9.1 | 19.6 | |
| 1995 10 30 | 10 22.03 | +18 50.0 | 5.667 | 5.340 | 66.0 | 9.8 | 19.5 | |
| 1995 11 09 | 10 27.67 | +18 47.9 | 5.540 | 5.363 | 74.6 | 10.3 | 19.5 | |
| 1995 11 19 | 10 32.41 | +18 52.7 | 5.406 | 5.386 | 83.6 | 10.5 | 19.5 | |
| 1995 11 29 | 10 36.14 | +19 04.8 | 5.270 | 5.409 | 92.8 | 10.5 | 19.4 | |
| 1995 12 09 | 10 38.76 | +19 24.9 | 5.135 | 5.432 | 102.3 | 10.2 | 19.4 | |
| 1995 12 19 | 10 40.17 | +19 52.8 | 5.007 | 5.455 | 112.2 | 9.6 | 19.4 | |
| 1995 12 29 | 10 40.33 | +20 28.3 | 4.889 | 5.477 | 122.3 | 8.7 | 19.3 | |
| 1996 01 08 | 10 39.23 | +21 10.1 | 4.788 | 5.500 | 132.5 | 7.6 | 19.3 | |
| 1996 01 18 | 10 36.92 | +21 56.8 | 4.707 | 5.523 | 142.9 | 6.2 | 19.3 | |
| 1996 01 28 | 10 33.55 | +22 46.0 | 4.651 | 5.546 | 152.9 | 4.6 | 19.3 | |

Elements MPC 16380

| | | | | | | | |
|------------|----------|----------|-------|-------|-------|------|------|
| 1996 02 07 | 10 29.33 | +23 35.0 | 4.623 | 5.569 | 161.8 | 3.2 | 19.3 |
| 1996 02 17 | 10 24.56 | +24 21.1 | 4.626 | 5.591 | 166.5 | 2.4 | 19.3 |
| 1996 02 27 | 10 19.60 | +25 01.7 | 4.659 | 5.614 | 163.1 | 2.9 | 19.3 |
| 1996 03 08 | 10 14.82 | +25 34.7 | 4.723 | 5.636 | 154.7 | 4.3 | 19.4 |
| 1996 03 18 | 10 10.56 | +25 59.0 | 4.814 | 5.659 | 145.0 | 5.8 | 19.4 |
| 1996 03 28 | 10 07.12 | +26 13.9 | 4.931 | 5.681 | 135.1 | 7.1 | 19.5 |
| 1996 04 07 | 10 04.69 | +26 19.7 | 5.068 | 5.704 | 125.2 | 8.2 | 19.6 |
| 1996 04 17 | 10 03.41 | +26 17.1 | 5.221 | 5.726 | 115.5 | 9.1 | 19.7 |
| 1996 04 27 | 10 03.30 | +26 06.8 | 5.387 | 5.749 | 106.1 | 9.7 | 19.8 |
| 1996 05 07 | 10 04.37 | +25 49.9 | 5.560 | 5.771 | 97.0 | 10.0 | 19.8 |

45P/Honda-Mrkos-Pajdušáková

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | m_2 |
|------------|----------|-----------------|-----------------|----------|------|------------|--------|-------|
| 1995 09 30 | 17 14.87 | -25 03.8 | 1.558 | 1.593 | 73.4 | 37.0 | 21.5 | |
| 1995 10 10 | 17 26.31 | -25 20.4 | 1.548 | 1.464 | 66.1 | 38.6 | 21.3 | |
| 1995 10 20 | 17 41.13 | -25 36.1 | 1.520 | 1.330 | 59.6 | 40.2 | 21.1 | |
| 1995 10 30 | 17 59.37 | -25 47.3 | 1.470 | 1.192 | 53.7 | 42.2 | 20.9 | |
| 1995 11 09 | 18 21.08 | -25 49.6 | 1.397 | 1.050 | 48.6 | 45.1 | 20.6 | |
| 1995 11 19 | 18 46.32 | -25 37.2 | 1.296 | 0.906 | 44.3 | 49.6 | 20.2 | |
| 1995 11 29 | 19 14.92 | -25 02.6 | 1.164 | 0.766 | 40.7 | 57.1 | 19.8 | |
| 1995 12 09 | 19 45.59 | -23 58.6 | 0.999 | 0.640 | 37.6 | 70.0 | 19.5 | |
| 1995 12 19 | 20 13.93 | -22 23.8 | 0.803 | 0.552 | 34.1 | 91.2 | 19.5 | |

29P/Schwassmann-Wachmann 1

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | m_2 |
|------------|----------|-----------------|-----------------|----------|-------|------------|--------|-------|
| 1995 09 30 | 10 20.67 | +07 47.3 | 7.064 | 6.241 | 32.4 | 4.9 | 16.1 | |
| 1995 10 10 | 10 26.72 | +07 04.4 | 6.967 | 6.242 | 40.5 | 6.0 | 16.2 | |
| 1995 10 20 | 10 32.33 | +06 23.1 | 6.853 | 6.244 | 48.9 | 6.9 | 16.2 | |
| 1995 10 30 | 10 37.40 | +05 43.8 | 6.724 | 6.245 | 57.4 | 7.7 | 16.2 | |
| 1995 11 09 | 10 41.85 | +05 07.2 | 6.581 | 6.247 | 66.2 | 8.3 | 16.1 | |
| 1995 11 19 | 10 45.57 | +04 34.0 | 6.428 | 6.248 | 75.2 | 8.8 | 16.1 | |
| 1995 11 29 | 10 48.49 | +04 05.0 | 6.268 | 6.249 | 84.4 | 9.0 | 16.1 | |
| 1995 12 09 | 10 50.50 | +03 40.7 | 6.106 | 6.251 | 93.9 | 9.0 | 16.0 | |
| 1995 12 19 | 10 51.55 | +03 21.8 | 5.946 | 6.252 | 103.7 | 8.8 | 15.9 | |
| 1995 12 29 | 10 51.57 | +03 08.8 | 5.792 | 6.253 | 113.8 | 8.3 | 15.9 | |
| 1996 01 08 | 10 50.57 | +03 02.0 | 5.650 | 6.255 | 124.1 | 7.5 | 15.8 | |
| 1996 01 18 | 10 48.57 | +03 01.5 | 5.525 | 6.256 | 134.7 | 6.4 | 15.7 | |
| 1996 01 28 | 10 45.67 | +03 07.2 | 5.421 | 6.257 | 145.5 | 5.1 | 15.6 | |
| 1996 02 07 | 10 42.02 | +03 18.2 | 5.342 | 6.258 | 156.4 | 3.6 | 15.5 | |
| 1996 02 17 | 10 37.83 | +03 33.7 | 5.292 | 6.259 | 167.1 | 2.0 | 15.3 | |
| 1996 02 27 | 10 33.38 | +03 52.3 | 5.273 | 6.260 | 175.1 | 0.8 | 15.2 | |
| 1996 03 08 | 10 28.94 | +04 12.5 | 5.286 | 6.261 | 168.5 | 1.8 | 15.3 | |
| 1996 03 18 | 10 24.79 | +04 32.6 | 5.328 | 6.262 | 158.0 | 3.4 | 15.4 | |
| 1996 03 28 | 10 21.20 | +04 51.2 | 5.400 | 6.263 | 147.3 | 4.9 | 15.6 | |
| 1996 04 07 | 10 18.36 | +05 06.8 | 5.497 | 6.264 | 136.8 | 6.3 | 15.7 | |
| 1996 04 17 | 10 16.42 | +05 18.5 | 5.615 | 6.265 | 126.6 | 7.4 | 15.8 | |
| 1996 04 27 | 10 15.47 | +05 25.4 | 5.750 | 6.266 | 116.6 | 8.3 | 15.9 | |
| 1996 05 07 | 10 15.52 | +05 27.3 | 5.898 | 6.267 | 107.0 | 8.9 | 15.9 | |
| 1996 05 17 | 10 16.55 | +05 23.8 | 6.053 | 6.268 | 97.6 | 9.2 | 16.0 | |
| 1996 05 27 | 10 18.52 | +05 15.0 | 6.212 | 6.269 | 88.5 | 9.3 | 16.1 | |
| 1996 06 06 | 10 21.36 | +05 00.9 | 6.370 | 6.269 | 79.7 | 9.2 | 16.1 | |
| 1996 06 16 | 10 24.97 | +04 42.0 | 6.524 | 6.270 | 71.2 | 8.8 | 16.2 | |
| 1996 06 26 | 10 29.28 | +04 18.3 | 6.670 | 6.271 | 62.8 | 8.3 | 16.2 | |

Elements MPC 20124**Elements MPC 23105**

| | | | | | | | |
|------------|----------|----------|-------|-------|------|-----|------|
| 1996 07 06 | 10 34.18 | +03 50.3 | 6.805 | 6.272 | 54.6 | 7.6 | 16.2 |
| 1996 07 16 | 10 39.59 | +03 18.3 | 6.927 | 6.272 | 46.6 | 6.8 | 16.2 |
| 1996 07 26 | 10 45.42 | +02 42.7 | 7.034 | 6.273 | 38.7 | 5.8 | 16.2 |
| 1996 08 05 | 10 51.59 | +02 03.9 | 7.122 | 6.273 | 30.9 | 4.8 | 16.2 |

OPPOSITION DATA

| Planet | Opposition | α_{2000} | δ_{2000} | V | $\dot{\alpha}$ | $\dot{\delta}$ | ϕ_{MIN} | MPC |
|-----------------------|------------|-----------------|-----------------|------|----------------|----------------|---------------------|-------|
| 1992 RK ₂ | 95 07 10.0 | 19 15.74 | -22 12.7 | 18.2 | -1.09 | - 1.4 | 0.0/10.1 | 23340 |
| 1988 VE ₇ | 95 07 10.3 | 19 16.60 | -16 58.8 | 17.9 | -0.96 | - 3.4 | 1.8/11.0 | 21972 |
| (5982) | 95 07 10.3 | 19 17.01 | -06 16.0 | 17.5 | -0.83 | - 2.1 | 4.8/12.4 | 23509 |
| 5175 T-3 | 95 07 10.6 | 19 18.10 | -23 44.7 | 18.0 | -1.04 | - 5.8 | 0.6/10.4 | 22702 |
| 1981 EY ₃₉ | 95 07 10.6 | 19 18.20 | -20 29.1 | 19.5 | -1.09 | - 2.2 | 0.8/10.9 | 20629 |
| 1988 SY ₁ | 95 07 10.6 | 19 18.25 | -33 51.3 | 16.4 | -1.10 | - 4.1 | 5.3/09.1 | 20502 |
| (6508) | 95 07 10.8 | 19 18.90 | -14 56.9 | 16.9 | -0.90 | - 3.6 | 3.0/11.8 | 25519 |
| 1992 RZ ₅ | 95 07 11.0 | 19 19.78 | -24 19.2 | 17.2 | -1.06 | - 3.0 | 0.8/10.8 | 23350 |
| 1992 WZ ₅ | 95 07 11.2 | 19 20.23 | -12 50.3 | 17.9 | -0.95 | + 1.2 | 3.0/11.9 | 21800 |
| 1990 SV ₁₂ | 95 07 11.4 | 19 21.35 | -24 32.3 | 17.7 | -0.85 | - 2.1 | 0.8/11.2 | 23672 |
| 1306 T-2 | 95 07 11.5 | 19 21.71 | -22 04.3 | 18.0 | -0.82 | - 1.7 | 0.0/11.6 | 23792 |
| 1986 VM | 95 07 11.5 | 19 21.74 | -18 51.4 | 16.9 | -1.12 | + 0.3 | 1.5/11.8 | 25439 |
| 2280 T-2 | 95 07 11.6 | 19 21.88 | -16 48.0 | 17.5 | -1.08 | - 2.8 | 2.4/12.3 | 23135 |
| 7569 P-L | 95 07 11.7 | 19 22.35 | -28 42.6 | 18.7 | -1.12 | - 2.7 | 2.6/10.9 | 23986 |
| 1991 GR ₂ | 95 07 11.7 | 19 22.46 | -26 54.1 | 15.5 | -0.98 | - 2.0 | 2.6/11.2 | 25081 |
| 6074 P-L | 95 07 11.7 | 19 22.49 | -23 15.1 | 17.7 | -1.04 | - 1.7 | 0.6/11.6 | 21121 |
| 1992 WU ₃ | 95 07 11.7 | 19 22.50 | -24 15.7 | 17.0 | -1.09 | - 1.6 | 0.9/11.5 | 23539 |
| 1990 QF ₅ | 95 07 11.8 | 19 22.71 | -42 43.3 | 16.5 | -1.05 | + 0.6 | 6.7/09.8 | 19304 |
| (6352) | 95 07 11.8 | 19 22.88 | -25 04.7 | 16.5 | -1.07 | - 0.6 | 1.3/11.5 | 25059 |
| 1995 KL ₁ | 95 07 11.8 | 19 23.07 | -37 09.9 | 15.5 | -1.60 | +14.7 | 7.6/13.1 | 25534 |
| (5862) | 95 07 12.0 | 19 23.91 | -23 52.6 | 17.0 | -1.06 | - 3.3 | 0.7/11.8 | 23229 |
| (5992) | 95 07 12.2 | 19 24.59 | -10 58.8 | 17.2 | -0.92 | + 0.3 | 4.2/13.4 | 23659 |
| 1984 SY ₅ | 95 07 12.3 | 19 24.94 | -21 31.0 | 16.1 | -0.81 | - 2.3 | 0.2/12.4 | 22271 |
| 1991 GP ₇ | 95 07 12.3 | 19 24.97 | -24 43.1 | 17.6 | -1.14 | - 1.3 | 1.2/12.1 | 22083 |
| 1975 SZ ₁ | 95 07 12.4 | 19 25.50 | -17 30.1 | 18.7 | -1.07 | - 2.7 | 1.8/13.0 | 22696 |
| 3067 T-2 | 95 07 12.6 | 19 25.94 | -20 22.5 | 16.7 | -1.09 | - 3.5 | 0.7/12.8 | 23792 |
| 1989 GP ₆ | 95 07 12.6 | 19 26.07 | -13 03.7 | 16.3 | -0.80 | - 6.0 | 3.2/14.2 | 25439 |
| (6007) | 95 07 12.6 | 19 26.37 | -28 33.6 | 17.7 | -1.09 | - 1.7 | 2.3/11.9 | 23662 |
| (5964) | 95 07 12.7 | 19 26.71 | -17 14.9 | 15.6 | -0.88 | - 2.2 | 1.6/13.4 | 23505 |
| 1992 UD ₃ | 95 07 12.8 | 19 26.86 | -09 52.7 | 16.8 | -1.01 | - 0.1 | 4.8/14.0 | 22085 |
| 1989 AV ₂ | 95 07 12.8 | 19 27.02 | -19 59.9 | 17.0 | -0.57 | + 0.7 | 0.4/13.1 | 21972 |
| 1989 WS ₂ | 95 07 12.8 | 19 27.12 | -22 33.7 | 15.9 | -1.09 | - 5.5 | 0.3/12.8 | 23337 |
| 1992 SY ₁₄ | 95 07 13.0 | 19 27.66 | -11 08.5 | 16.4 | -1.05 | + 0.4 | 4.6/14.0 | 23350 |
| 1989 GC ₄ | 95 07 13.0 | 19 27.99 | -21 24.9 | 17.0 | -0.88 | - 1.5 | 0.2/13.2 | 24407 |
| 1986 EJ ₁ | 95 07 13.1 | 19 28.04 | -49 21.8 | 16.2 | -1.30 | + 0.4 | 11.7/10.3 | 25439 |
| (5901) | 95 07 13.1 | 19 28.12 | -17 37.4 | 16.8 | -1.09 | - 1.2 | 1.7/13.6 | 23330 |
| 1990 QG | 95 07 13.2 | 19 28.47 | -27 47.2 | 16.9 | -1.04 | - 0.5 | 2.3/12.5 | 23537 |
| (6485) | 95 07 13.3 | 19 29.08 | +15 10.4 | 15.8 | -1.21 | + 9.1 | 19.1/11.8 | 25417 |
| (6515) | 95 07 13.4 | 19 29.39 | -19 59.6 | 15.4 | -0.99 | 0.0 | 1.0/13.6 | 25521 |
| 3088 T-2 | 95 07 13.5 | 19 29.65 | -25 39.5 | 19.3 | -0.95 | - 3.0 | 1.5/13.0 | 15083 |
| 1990 RH ₇ | 95 07 13.5 | 19 29.66 | -23 40.8 | 18.1 | -0.86 | - 2.4 | 0.6/13.3 | 23671 |
| (6507) | 95 07 13.5 | 19 29.79 | -22 13.6 | 16.7 | -1.19 | - 0.1 | 0.2/13.5 | 25519 |
| 1981 UQ ₁₁ | 95 07 13.6 | 19 30.24 | -25 07.7 | 17.1 | -1.06 | - 3.4 | 1.3/13.2 | 22968 |
| 1984 QS | 95 07 13.7 | 19 30.78 | -24 13.8 | 16.1 | -0.82 | - 2.4 | 1.0/13.4 | 22076 |

| | | | | | | | | |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| 1974 WB | 95 07 13.8 | 19 31.11 | -12 24.1 | 19.0 | -0.96 | + 1.1 | 3.3/14.7 | 6949 |
| 1992 WY | 95 07 14.0 | 19 31.62 | -12 24.3 | 16.1 | -0.97 | + 1.1 | 5.0/14.8 | 25082 |
| 1981 EA ₄₂ | 95 07 14.2 | 19 32.79 | -09 22.1 | 18.6 | -1.01 | - 3.9 | 5.5/16.1 | 23347 |
| 1989 YV ₄ | 95 07 14.4 | 19 33.28 | -24 12.2 | 18.4 | -1.05 | - 2.4 | 0.9/14.1 | 21973 |
| 4631 P-L | 95 07 14.5 | 19 33.74 | -34 29.1 | 17.3 | -1.18 | - 1.6 | 5.5/12.9 | 25085 |
| 1992 SX ₁ | 95 07 14.6 | 19 34.16 | -23 22.4 | 18.2 | -1.08 | - 2.8 | 0.7/14.4 | 24108 |
| (6505) | 95 07 14.6 | 19 34.33 | -07 02.6 | 15.8 | -0.80 | + 0.9 | 4.0/16.3 | 25519 |
| 1992 WD ₁ | 95 07 14.6 | 19 34.46 | -22 44.0 | 17.4 | -1.06 | - 3.8 | 0.4/14.5 | 21594 |
| 1981 EO ₄₀ | 95 07 14.7 | 19 34.59 | +00 49.5 | 17.1 | -0.80 | - 5.0 | 9.5/18.9 | 21968 |
| 1973 SJ ₁ | 95 07 14.7 | 19 34.75 | -18 18.0 | 17.5 | -0.67 | - 1.7 | 0.8/15.3 | 22072 |
| 1992 US ₄ | 95 07 14.8 | 19 34.94 | -21 11.3 | 16.7 | -1.05 | - 1.8 | 8.7/25.0 | 22085 |
| (6240) | 95 07 14.9 | 19 35.54 | -20 10.9 | 16.1 | -1.07 | - 4.9 | 0.6/15.2 | 24728 |
| 1981 TK | 95 07 14.9 | 19 35.65 | -02 00.1 | 18.2 | -2.02 | - 0.7 | 15.6/06.6 | 6951 |
| 1983 QE | 95 07 15.4 | 19 37.31 | +01 29.6 | 16.4 | -0.75 | - 6.6 | 11.0/20.5 | 25537 |
| 1992 AK ₁ | 95 07 15.4 | 19 37.48 | -22 30.7 | 16.4 | -0.82 | - 2.6 | 0.3/15.3 | 22084 |
| 1982 VD ₅ | 95 07 15.4 | 19 37.54 | -16 39.8 | 18.2 | -1.06 | - 1.9 | 1.9/16.1 | 22075 |
| 1991 PN ₁₃ | 95 07 15.4 | 19 37.67 | -36 11.1 | 15.5 | -1.17 | + 1.0 | 5.6/13.8 | 25081 |
| 3077 T-1 | 95 07 15.6 | 19 38.12 | -22 36.4 | 17.9 | -0.83 | - 1.9 | 0.3/15.5 | 24409 |
| 4234 T-2 | 95 07 15.8 | 19 38.94 | -29 48.2 | 16.3 | -0.87 | - 2.1 | 3.0/14.6 | 23792 |
| 1987 RA ₃ | 95 07 15.8 | 19 39.01 | -17 21.8 | 15.6 | -0.79 | - 5.2 | 2.1/16.6 | 22078 |
| 1991 GC ₆ | 95 07 15.8 | 19 39.14 | -34 06.5 | 17.5 | -1.23 | - 2.9 | 5.3/14.0 | 25081 |
| 1975 VK ₂ | 95 07 15.9 | 19 39.66 | -23 39.4 | 16.3 | -0.87 | - 2.9 | 0.8/15.6 | 25438 |
| 1981 EF ₅ | 95 07 16.3 | 19 41.04 | -06 26.1 | 18.4 | -0.90 | - 1.1 | 4.9/18.3 | 23682 |
| 1990 DZ ₁ | 95 07 16.3 | 19 41.10 | -25 13.9 | 17.0 | -1.07 | - 0.4 | 1.4/15.9 | 25080 |
| 1991 FV ₂ | 95 07 16.3 | 19 41.27 | -31 40.4 | 15.5 | -1.04 | - 1.6 | 5.2/15.0 | 25080 |
| 4095 P-L | 95 07 16.3 | 19 41.36 | -15 28.1 | 19.4 | -0.90 | - 1.6 | 2.0/17.2 | 20829 |
| 1977 UM ₄ | 95 07 16.3 | 19 41.39 | -26 51.4 | 15.0 | -0.98 | - 2.4 | 2.8/15.6 | 25060 |
| 1989 YK | 95 07 16.4 | 19 41.79 | -16 51.0 | 16.1 | -1.07 | - 2.2 | 2.0/17.1 | 22081 |
| 1992 YG ₃ | 95 07 16.5 | 19 41.75 | -20 54.8 | 16.8 | -0.80 | - 2.3 | 0.1/16.6 | 23790 |
| 4254 T-2 | 95 07 16.6 | 19 42.55 | -26 30.6 | 15.5 | -0.92 | - 4.6 | 2.7/15.8 | 22495 |
| 1994 GQ | 95 07 17.1 | 19 44.21 | -40 26.8 | 17.0 | -1.03 | - 2.8 | 6.1/13.9 | 25532 |
| 1979 SR ₂ | 95 07 17.1 | 19 44.59 | -23 19.3 | 16.7 | -0.90 | - 1.3 | 0.7/16.9 | 22270 |
| 1990 QC ₁₉ | 95 07 17.2 | 19 44.58 | -31 56.8 | 16.4 | -1.80 | +11.5 | 5.5/17.3 | 20148 |
| 1988 TM ₁ | 95 07 17.5 | 19 45.87 | -18 10.4 | 17.0 | -1.02 | - 2.4 | 1.2/18.0 | 20016 |
| (5971) | 95 07 17.7 | 19 46.97 | -19 21.9 | 14.0 | -1.05 | + 5.4 | 0.8/17.9 | 23507 |
| 1986 CB | 95 07 17.8 | 19 47.11 | -10 24.9 | 17.5 | -1.07 | - 9.8 | 4.0/20.0 | 23683 |
| 1983 CY ₂ | 95 07 17.8 | 19 47.32 | -28 35.3 | 16.2 | -0.94 | - 0.1 | 2.4/16.9 | 24116 |
| 1992 US ₁ | 95 07 17.8 | 19 47.35 | -34 54.9 | 16.5 | -1.16 | - 4.7 | 6.3/15.3 | 21589 |
| 1994 GC ₁ | 95 07 17.9 | 19 47.35 | -22 54.9 | 16.4 | -0.83 | - 2.6 | 0.5/17.6 | 23677 |
| 1989 TF ₄ | 95 07 18.0 | 19 47.81 | -13 23.3 | 17.2 | -1.01 | - 5.3 | 3.6/19.4 | 22081 |
| 1992 WR ₃ | 95 07 18.2 | 19 48.63 | -29 12.2 | 16.1 | -0.97 | - 6.0 | 2.7/16.6 | 23685 |
| 1991 PY ₁₄ | 95 07 18.4 | 19 49.61 | -23 48.9 | 16.0 | -1.07 | + 1.6 | 1.1/18.2 | 21976 |
| 6581 P-L | 95 07 18.5 | 19 49.85 | -26 10.2 | 17.1 | -0.55 | - 1.1 | 1.0/17.7 | 23135 |
| 1991 PD ₁₃ | 95 07 18.5 | 19 49.88 | -25 13.6 | 17.0 | -0.95 | - 1.2 | 2.0/17.9 | 24104 |
| 1992 SX ₁₂ | 95 07 18.6 | 19 50.44 | -15 39.7 | 15.5 | -1.01 | - 4.1 | 2.6/19.5 | 25538 |
| (5899) | 95 07 18.7 | 19 50.58 | -12 21.6 | 15.6 | -1.18 | -21.9 | 4.2/21.3 | 23330 |
| 1990 JN ₁ | 95 07 18.7 | 19 50.88 | -19 22.0 | 16.6 | -0.89 | - 2.1 | 0.6/19.0 | 22592 |
| 1985 RP ₁ | 95 07 18.7 | 19 50.97 | -10 45.5 | 16.5 | -0.84 | - 5.4 | 5.4/20.8 | 25537 |
| 1992 WX ₂ | 95 07 18.7 | 19 51.00 | -15 54.7 | 17.5 | -0.91 | - 2.5 | 1.7/19.6 | 23539 |
| 1988 SP | 95 07 18.8 | 19 51.31 | -22 41.7 | 17.0 | -1.07 | - 3.4 | 0.7/18.6 | 23536 |
| 1987 YU ₁ | 95 07 18.9 | 19 51.50 | +04 19.6 | 17.7 | -0.51 | - 0.4 | 4.7/23.2 | 16428 |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| 1993 FK ₈₀ | 95 07 19.0 | 19 52.17 | -27 37.7 | 17.3 | -0.87 | - 2.5 | 2.0/18.0 | 25428 | 1994 AM ₃ | 95 07 24.4 | 20 13.63 | -30 47.5 | 16.4 | -1.21 | - 1.5 | 4.6/22.7 | 23529 |
| 1994 DS | 95 07 19.2 | 19 52.89 | -27 50.1 | 17.0 | -1.12 | - 3.7 | 2.8/18.1 | 24584 | 3535 T-3 | 95 07 24.6 | 20 14.13 | -23 57.7 | 17.7 | -1.07 | - 3.3 | 1.6/23.9 | 24915 |
| 1991 VL ₁₀ | 95 07 19.4 | 19 53.59 | -18 12.7 | 17.3 | -0.85 | - 2.9 | 1.0/19.9 | 20511 | 1995 OA ₂ | 95 07 24.7 | 20 14.73 | -04 40.5 | 17.6 | -0.79 | - 2.3 | 5.2/27.7 | 25535 |
| 1994 GZ | 95 07 19.4 | 19 53.70 | -02 29.6 | 17.0 | -0.84 | - 3.3 | 5.8/22.8 | 23686 | 1978 VP ₂ | 95 07 24.8 | 20 15.37 | -18 51.5 | 17.7 | -1.03 | - 2.7 | 0.3/25.1 | 25077 |
| 3474 T-3 | 95 07 20.0 | 19 56.27 | -25 30.7 | 17.8 | -1.05 | - 3.5 | 2.0/19.3 | 20519 | 1991 UC | 95 07 24.9 | 20 15.58 | -20 08.1 | 16.3 | -0.88 | - 2.4 | 8.0/05.0 | 22815 |
| 1990 SL ₉ | 95 07 20.1 | 19 56.42 | -22 00.9 | 15.9 | -0.81 | - 3.2 | 0.5/19.9 | 25538 | 1985 UG ₅ | 95 07 25.0 | 20 15.88 | -31 51.1 | 17.6 | -1.12 | - 6.3 | 4.8/22.3 | 22077 |
| 1983 BH | 95 07 20.2 | 19 56.59 | -16 42.2 | 16.7 | -1.05 | - 1.0 | 1.4/20.8 | 23683 | 1983 RT ₃ | 95 07 25.0 | 20 16.11 | -29 54.6 | 17.2 | -1.16 | + 1.0 | 4.1/23.6 | 22076 |
| 5490 T-2 | 95 07 20.2 | 19 56.78 | -09 39.6 | 17.3 | -0.95 | + 0.3 | 5.2/21.7 | 22274 | 1988 CW ₄ | 95 07 25.1 | 20 16.31 | -11 18.0 | 16.9 | -0.82 | - 1.5 | 2.7/26.7 | 22599 |
| 1994 AR ₂ | 95 07 20.2 | 19 56.84 | -22 24.7 | 14.8 | -0.97 | - 3.0 | 0.8/20.0 | 23242 | 1981 EF ₁₉ | 95 07 25.2 | 20 16.81 | -21 31.2 | 19.5 | -0.98 | - 2.4 | 0.6/24.9 | 22429 |
| (6474) | 95 07 20.2 | 19 56.95 | +02 39.0 | 15.6 | -0.58 | - 7.9 | 12.2/27.2 | 25414 | 1994 CJ ₂ | 95 07 25.3 | 20 16.95 | -17 41.3 | 17.5 | -0.91 | - 6.5 | 0.8/25.8 | 24584 |
| 1991 QF | 95 07 20.3 | 19 57.40 | -52 48.2 | 17.0 | -1.32 | + 7.2 | 14.8/10.1 | 23339 | 1992 UJ ₆ | 95 07 25.3 | 20 17.01 | -07 17.2 | 17.0 | -1.00 | - 3.1 | 5.6/27.6 | 21592 |
| 1990 GS | 95 07 20.3 | 19 57.41 | -38 52.4 | 17.6 | -1.18 | + 0.2 | 7.6/17.8 | 23537 | 1981 ER ₆ | 95 07 25.4 | 20 17.55 | -15 38.2 | 18.7 | -0.92 | - 1.9 | 1.3/26.2 | 21966 |
| (5972) | 95 07 20.4 | 19 57.40 | -08 13.8 | 16.0 | -0.84 | - 5.9 | 4.2/23.0 | 23507 | 3099 T-1 | 95 07 25.4 | 20 17.58 | -25 18.5 | 17.3 | -1.17 | - 1.5 | 2.3/24.5 | 22087 |
| 1986 CS ₁ | 95 07 20.4 | 19 57.47 | -16 45.7 | 18.6 | -0.98 | - 3.4 | 1.4/21.1 | 22430 | 1991 RY ₄ | 95 07 25.4 | 20 17.64 | -15 47.7 | 17.9 | -0.90 | - 2.8 | 1.6/26.2 | 22084 |
| 2206 T-3 | 95 07 20.4 | 19 57.47 | -18 03.1 | 18.7 | -0.90 | - 1.8 | 0.9/20.8 | 24120 | 1994 GH ₉ | 95 07 25.7 | 20 18.62 | -02 03.3 | 18.0 | -0.86 | - 3.3 | 5.5/29.4 | 23678 |
| 1992 UU ₂ | 95 07 20.5 | 19 57.95 | -28 32.9 | 16.1 | -1.13 | - 5.7 | 3.4/19.0 | 23685 | 1981 SA ₅ | 95 07 26.0 | 20 19.74 | -17 13.4 | 15.9 | -0.86 | - 3.0 | 0.9/26.5 | 25536 |
| 1991 RK ₁₁ | 95 07 20.5 | 19 58.02 | -15 05.3 | 16.2 | -0.91 | - 7.4 | 2.2/21.8 | 23239 | 1982 TT ₂ | 95 07 26.0 | 20 20.07 | -41 20.2 | 15.4 | -1.12 | - 0.6 | 9.5/21.8 | 22075 |
| (6519) | 95 07 20.7 | 19 58.79 | -11 16.2 | 15.6 | -0.89 | - 6.4 | 4.9/22.8 | 25522 | 1978 UJ ₅ | 95 07 26.3 | 20 20.95 | -19 33.0 | 18.0 | -1.07 | - 2.7 | 0.0/26.3 | 20806 |
| 1986 XJ ₅ | 95 07 20.8 | 19 59.03 | -10 52.6 | 16.2 | -1.04 | - 2.1 | 4.2/22.3 | 25527 | 1017 T-3 | 95 07 26.3 | 20 21.23 | -14 58.6 | 15.8 | -0.93 | + 0.7 | 1.9/27.1 | 19882 |
| 3074 P-L | 95 07 20.8 | 19 59.07 | -06 48.0 | 16.8 | -0.81 | - 1.5 | 4.5/23.1 | 23686 | 1993 CO | 95 07 26.4 | 20 21.55 | -23 19.4 | 16.2 | -0.87 | - 3.0 | 1.2/25.7 | 23685 |
| 1982 BS ₁ | 95 07 20.8 | 19 59.20 | -14 24.2 | 17.2 | -0.95 | - 4.7 | 2.2/22.0 | 23535 | (6005) | 95 07 26.5 | 20 21.67 | -31 03.5 | 16.7 | -0.99 | - 2.6 | 3.7/24.3 | 23662 |
| 1981 SZ ₆ | 95 07 20.8 | 19 59.38 | -23 18.8 | 16.9 | -1.07 | - 3.9 | 1.2/20.4 | 18621 | 1989 AG | 95 07 26.6 | 20 22.18 | -28 27.2 | 16.9 | -0.94 | - 6.0 | 2.9/24.5 | 23537 |
| 1988 RE ₆ | 95 07 20.9 | 19 59.61 | -22 32.9 | 17.1 | -1.06 | - 3.6 | 0.8/20.6 | 21258 | 1990 QO ₃ | 95 07 26.6 | 20 22.50 | -32 17.7 | 16.6 | -0.93 | - 1.0 | 4.0/24.3 | 19866 |
| 1985 TP ₃ | 95 07 21.0 | 19 59.82 | -18 28.5 | 15.7 | -1.09 | 0.0 | 1.0/21.3 | 25537 | 1981 UE ₂₆ | 95 07 26.7 | 20 22.44 | -21 17.7 | 16.2 | -0.86 | - 3.9 | 0.7/26.3 | 22075 |
| (6277) | 95 07 21.2 | 20 00.83 | -29 14.9 | 15.3 | -1.11 | + 2.4 | 4.8/20.3 | 25042 | (6006) | 95 07 26.8 | 20 23.25 | -20 46.3 | 15.6 | -0.89 | - 2.5 | 0.5/26.6 | 23662 |
| 1994 CE ₂ | 95 07 21.4 | 20 01.57 | -21 33.4 | 16.0 | -1.01 | - 3.0 | 0.5/21.3 | 25083 | 2080 T-2 | 95 07 26.9 | 20 23.43 | -12 02.4 | 17.0 | -0.96 | - 3.3 | 2.7/28.4 | 23346 |
| 1981 EC ₁₁ | 95 07 21.4 | 20 01.72 | -18 50.9 | 18.1 | -0.94 | - 0.4 | 0.7/21.7 | 21966 | 1979 MW ₂ | 95 07 26.9 | 20 23.67 | -15 19.7 | 17.7 | -0.80 | - 3.7 | 1.4/27.8 | 21965 |
| 1079 T-2 | 95 07 21.5 | 20 01.81 | -23 36.7 | 16.4 | -0.92 | - 2.3 | 1.3/21.0 | 24409 | (6062) | 95 07 27.2 | 20 24.58 | -19 50.2 | 15.7 | -0.79 | - 3.8 | 0.2/27.1 | 23853 |
| 1991 RN ₁₀ | 95 07 21.5 | 20 01.98 | -29 09.5 | 16.5 | -0.99 | - 1.8 | 3.3/20.1 | 23685 | 1993 FD ₂₂ | 95 07 27.3 | 20 24.90 | -17 43.1 | 19.1 | -0.79 | - 2.7 | 0.4/27.6 | 24408 |
| 1991 PY ₁₂ | 95 07 21.5 | 20 02.12 | -30 24.9 | 17.2 | -1.07 | + 0.1 | 3.3/20.2 | 21795 | 1990 RF ₆ | 95 07 27.3 | 20 24.96 | -14 17.6 | 17.8 | -0.84 | - 4.0 | 1.7/28.4 | 23780 |
| 2287 T-2 | 95 07 21.5 | 20 02.20 | -12 14.6 | 17.6 | -0.85 | - 3.8 | 3.0/23.1 | 21978 | (5927) | 95 07 27.3 | 20 25.19 | -37 48.1 | 15.3 | -0.94 | - 2.5 | 7.0/23.6 | 23497 |
| 1991 GC ₇ | 95 07 21.6 | 20 02.26 | -29 35.6 | 17.9 | -1.15 | - 2.8 | 3.8/20.1 | 25081 | 1981 EH ₁₉ | 95 07 27.3 | 20 25.19 | -24 49.6 | 16.9 | -1.12 | - 2.5 | 2.5/26.4 | 23347 |
| 1991 VN | 95 07 21.7 | 20 02.64 | -17 55.9 | 16.9 | -0.90 | - 3.8 | 1.2/22.2 | 21976 | 1981 DV | 95 07 27.5 | 20 25.84 | +03 16.4 | 18.5 | -0.84 | - 3.1 | 7.9/01.5 | 11044 |
| 1981 EH ₁₁ | 95 07 21.7 | 20 02.94 | -39 16.7 | 16.9 | -1.22 | + 2.3 | 8.2/19.3 | 21966 | 1973 SH ₁ | 95 07 27.5 | 20 25.88 | -20 06.7 | 16.8 | -0.52 | - 2.2 | 0.2/27.4 | 21963 |
| (5857) | 95 07 21.8 | 20 02.97 | -17 00.0 | 16.0 | -1.01 | - 3.8 | 1.6/22.4 | 23228 | 1985 SL ₃ | 95 07 27.5 | 20 26.03 | -20 13.0 | 15.7 | -1.04 | + 1.4 | 0.5/27.5 | 23348 |
| 6571 P-L | 95 07 21.9 | 20 03.41 | -20 27.1 | 17.9 | -0.82 | - 3.0 | 0.0/21.9 | 21978 | 2091 P-L | 95 07 27.7 | 20 26.80 | -13 38.3 | 18.4 | -1.01 | - 2.3 | 2.5/28.8 | 22274 |
| 1142 T-3 | 95 07 21.9 | 20 03.68 | -20 09.5 | 15.5 | -1.06 | + 1.3 | 0.1/22.0 | 24764 | 1973 SA ₂ | 95 07 27.8 | 20 27.17 | -24 25.7 | 17.9 | -0.54 | - 2.2 | 1.0/26.7 | 22072 |
| (5896) | 95 07 22.0 | 20 04.16 | -21 43.7 | 16.3 | -1.04 | - 4.6 | 0.6/21.8 | 23329 | 1993 CL | 95 07 27.9 | 20 27.27 | -23 42.9 | 16.0 | -0.80 | - 3.6 | 1.4/26.9 | 24762 |
| 1982 SL ₆ | 95 07 22.5 | 20 06.11 | -28 45.6 | 16.4 | -0.98 | - 1.9 | 3.2/21.1 | 25225 | 1991 VV ₅ | 95 07 27.9 | 20 27.36 | -28 41.7 | 16.0 | -0.86 | - 5.8 | 3.2/25.6 | 25530 |
| 1981 EZ ₁₃ | 95 07 22.5 | 20 06.18 | -31 41.6 | 19.1 | -1.09 | + 0.2 | 3.9/21.0 | 23511 | 1988 XP | 95 07 27.9 | 20 27.56 | -16 00.6 | 16.0 | -0.94 | - 7.8 | 1.3/28.7 | 25537 |
| 1994 ER | 95 07 22.8 | 20 07.45 | -21 06.2 | 17.4 | -1.05 | - 5.9 | 0.4/22.7 | 23791 | 1990 SX | 95 07 28.4 | 20 29.32 | -29 10.6 | 16.2 | -0.97 | + 0.6 | 3.7/26.7 | 25529 |
| 1987 SH ₄ | 95 07 23.0 | 20 08.18 | -46 08.7 | 16.1 | -1.20 | - 0.9 | 11.6/17.9 | 23536 | 1325 T-2 | 95 07 28.4 | 20 29.47 | -27 20.0 | 17.5 | -0.96 | - 2.6 | 3.1/26.8 | 25540 |
| (6520) | 95 07 23.2 | 20 08.63 | -10 40.0 | 15.7 | -0.87 | - 0.6 | 5.0/24.7 | 25522 | 1992 WH | 95 07 28.5 | 20 29.66 | -08 57.7 | 15.7 | -0.93 | - 2.0 | 4.8/30.5 | 22237 |
| 1987 SN ₁₂ | 95 07 23.3 | 20 08.97 | -18 50.0 | 15.8 | -0.86 | - 3.7 | 0.6/23.6 | 21971 | 1979 SU ₁₁ | 95 07 28.6 | 20 29.90 | -21 21.9 | 16.1 | -0.82 | - 3.6 | 0.8/28.1 | 23682 |
| 7072 P-L | 95 07 23.3 | 20 09.16 | +18 05.7 | 18.4 | -1.04 | - 4.7 | 16.8/02.3 | 22087 | (6498) | 95 07 28.7 | 20 30.33 | -11 47.6 | 14.6 | -0.80 | - 9.7 | 3.6/30.7 | 25421 |
| (6023) | 95 07 23.3 | 20 09.37 | -19 08.1 | 15.8 | -1.00 | - 6.2 | 0.4/23.6 | 23666 | 1992 YW ₃ | 95 07 28.7 | 20 30.34 | -29 21.0 | 17.3 | -0.90 | - 4.9 | 3.0/26.3 | 23675 |
| 1988 TN | 95 07 23.8 | 20 11.19 | -28 56.4 | 16.0 | -1.08 | - 2.4 | 3.6/22.3 | 23683 | 1986 QS | 95 07 28.7 | 20 30.36 | -28 51.4 | 16.3 | -1.01 | - 1.3 | 3.4/26.8 | 22493 |
| 1987 UW | 95 07 23.9 | 20 11.37 | +32 30.2 | 17.9 | -0.85 | - 0.4 | 19.7/06.5 | 22969 | 1993 BS ₄ | 95 07 28.7 | 20 30.37 | -20 27.6 | 16.3 | -0.80 | - 2.8 | 0.6/28.4 | 25331 |
| 2327 T-3 | 95 07 24.0 | 20 11.91 | -17 04.5 | 17.7 | -0.89 | - 2.1 | 1.0/24.6 | 22088 | 1981 EP ₃₇ | 95 07 28.7 | 20 30.56 | -15 54.2 | 18.6 | -0.94 | - 2.5 | 1.2/29.3 | 21562 |
| (5802) | 95 07 24.2 | 20 12.78 | -23 54.9 | 16.7 | -1.10 | - 3.1 | 1.5/23.6 | 22937 | 1994 HD | 95 07 28.8 | 20 31.07 | +17 09.7 | 18.6 | -0.81 | - 4.5 | 10.3/08.3 | 23983 |
| 1993 DQ ₂ | 95 07 24.2 | 20 12.91 | -20 05.7 | 16.2 | -0.86 | - 3.8 | 0.1/24.2 | 25428 | (6024) | 95 07 28.8 | 20 31.16 | -35 06.2 | 15.5 | -1.13 | - 3.9 | 6.6/25.3 | 23666 |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------------|----------|----------|------|-------|-------|----------|-------|----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| 1991 SY | 95 07 28.9 | 20 31.25 | -42 13.4 | 16.5 | -1.14 | - 1.5 | 9.0/24.3 | 23349 | 1989 AW ₅ | 95 08 02.2 | 20 47.92 | -20 38.9 | 17.9 | -0.92 | - 4.5 | 1.0/01.6 | 22226 |
| 1990 EU | 95 07 29.4 | 20 33.02 | -12 35.6 | 15.9 | -0.95 | + 1.9 | 3.0/30.3 | 19027 | 1985 VL | 95 08 02.3 | 20 48.38 | +03 17.1 | 16.9 | -0.72 | - 3.4 | 6.3/07.8 | 18110 |
| 1977 QK ₁ | 95 07 29.4 | 20 33.48 | -21 15.8 | 15.7 | -1.02 | - 2.7 | 1.2/29.0 | 22073 | 1990 TD ₈ | 95 08 02.3 | 20 48.46 | -17 15.4 | 15.5 | -0.80 | - 3.4 | 0.2/02.5 | 24229 |
| 3355 T-3 | 95 07 29.5 | 20 33.88 | -04 44.4 | 18.6 | -0.81 | - 3.9 | 5.2/01.8 | 20518 | 1990 QQ ₁ | 95 08 02.4 | 20 48.74 | -30 33.5 | 17.5 | -0.95 | - 0.6 | 3.6/30.8 | 21974 |
| 1991 PK ₃ | 95 07 29.7 | 20 34.21 | -22 46.9 | 17.1 | -0.95 | - 3.9 | 1.7/28.8 | 22083 | 1991 GZ | 95 08 02.4 | 20 48.91 | -10 19.7 | 16.5 | -0.99 | - 3.7 | 3.3/04.1 | 25538 |
| 1994 CA ₁₇ | 95 07 29.8 | 20 35.01 | -20 47.5 | 18.4 | -1.01 | - 4.7 | 0.8/29.4 | 24112 | 1994 EC ₁ | 95 08 02.5 | 20 49.33 | -14 11.4 | 16.6 | -0.99 | - 6.1 | 1.4/03.4 | 23539 |
| 1981 EO ₇ | 95 07 29.9 | 20 35.16 | +02 15.9 | 17.4 | -0.84 | - 4.1 | 7.7/03.8 | 25423 | 1988 RD | 95 08 02.6 | 20 49.89 | -56 59.9 | 15.8 | -1.89 | + 2.4 | 16.2/23.9 | 23536 |
| 1995 OK | 95 07 30.0 | 20 35.68 | -18 59.1 | 17.0 | -0.88 | - 8.9 | 0.2/30.0 | 25535 | 1990 SZ ₄ | 95 08 02.9 | 20 50.90 | -21 19.9 | 17.3 | -0.81 | - 3.4 | 1.4/02.1 | 25529 |
| (5974) | 95 07 30.1 | 20 35.92 | -17 08.7 | 15.9 | -0.80 | - 3.4 | 0.5/30.5 | 23508 | 1975 LT | 95 08 02.9 | 20 50.99 | -16 25.9 | 14.4 | -0.94 | + 0.5 | 0.7/03.2 | 25325 |
| 4135 T-2 | 95 07 30.1 | 20 36.20 | -33 04.0 | 17.5 | -1.00 | - 2.6 | 5.4/27.1 | 19690 | (5892) | 95 08 03.2 | 20 52.08 | -14 38.7 | 17.1 | -1.00 | - 5.4 | 1.0/04.0 | 23328 |
| 1987 YH | 95 07 30.2 | 20 36.19 | -13 31.9 | 17.3 | -0.84 | - 5.0 | 1.6/31.4 | 25537 | 1218 T-2 | 95 08 03.3 | 20 52.23 | -16 54.4 | 16.9 | -0.97 | - 4.3 | 0.3/03.5 | 24120 |
| (6511) | 95 07 30.2 | 20 36.21 | -17 28.6 | 15.6 | -1.01 | - 0.4 | 0.4/30.4 | 25520 | 1988 BO ₄ | 95 08 03.5 | 20 52.94 | -09 06.9 | 15.4 | -0.85 | - 0.9 | 2.9/05.3 | 25537 |
| 1992 WS | 95 07 30.2 | 20 36.26 | -08 59.2 | 15.0 | -0.91 | - 1.6 | 5.0/01.1 | 25538 | 1992 WG ₃ | 95 08 03.5 | 20 52.95 | -15 05.6 | 17.9 | -0.98 | - 4.1 | 0.9/04.0 | 22274 |
| 1979 UC ₄ | 95 07 30.2 | 20 36.27 | -23 50.3 | 17.6 | -1.01 | - 3.2 | 1.8/29.1 | 18804 | (5962) | 95 08 03.5 | 20 52.97 | +01 12.9 | 16.5 | -0.84 | - 5.1 | 6.4/08.5 | 23505 |
| 1120 T-3 | 95 07 30.2 | 20 36.35 | -16 40.4 | 17.6 | -0.94 | - 0.8 | 0.7/30.6 | 22088 | 1991 NS ₂ | 95 08 03.5 | 20 53.28 | -05 30.0 | 15.9 | -0.80 | - 6.5 | 5.3/06.9 | 22273 |
| 1988 VR ₃ | 95 07 30.3 | 20 36.68 | -14 56.8 | 15.7 | -0.96 | - 4.2 | 1.6/31.1 | 21788 | 5030 T-2 | 95 08 03.8 | 20 54.32 | -12 05.7 | 19.2 | -0.51 | - 1.2 | 0.9/05.2 | 15258 |
| 1995 OT | 95 07 30.4 | 20 36.96 | -28 14.6 | 15.3 | -0.92 | - 2.6 | 5.2/28.3 | 25535 | 1991 RJ | 95 08 03.9 | 20 54.50 | -29 47.9 | 16.0 | -1.15 | + 3.6 | 5.6/02.1 | 22826 |
| 1980 PW | 95 07 30.4 | 20 37.14 | -19 11.1 | 16.3 | -1.02 | - 0.9 | 0.3/30.3 | 25536 | 1991 TW ₁ | 95 08 03.9 | 20 54.56 | -26 59.6 | 16.6 | -0.94 | - 4.1 | 3.5/01.6 | 23685 |
| 1995 OU | 95 07 30.4 | 20 37.37 | -28 09.8 | 15.9 | -0.96 | - 0.2 | 4.8/28.7 | 25535 | 1991 UC ₃ | 95 08 03.9 | 20 54.80 | -12 39.2 | 16.9 | -0.85 | - 4.2 | 1.9/05.1 | 24762 |
| (5931) | 95 07 30.5 | 20 37.59 | +03 11.6 | 16.9 | -0.70 | - 3.5 | 5.6/04.9 | 23498 | (5949) | 95 08 03.9 | 20 54.87 | -28 01.3 | 15.6 | -1.01 | - 6.7 | 4.9/01.2 | 23502 |
| 1985 RR ₃ | 95 07 30.5 | 20 37.73 | -06 31.1 | 16.4 | -0.75 | - 5.9 | 4.2/02.7 | 24385 | 1980 TO ₅ | 95 08 04.0 | 20 55.23 | -02 15.4 | 16.8 | -0.78 | - 2.8 | 4.9/07.7 | 22074 |
| 1994 JE ₁ | 95 07 30.6 | 20 38.02 | -26 45.5 | 18.1 | -1.05 | - 4.6 | 3.0/28.8 | 25539 | 1992 UM ₆ | 95 08 04.1 | 20 55.41 | -16 25.9 | 16.8 | -1.05 | - 2.7 | 0.4/04.3 | 22273 |
| 1985 TN | 95 07 30.8 | 20 38.54 | -27 53.1 | 17.0 | -1.12 | - 3.5 | 4.2/28.8 | 22077 | 2166 T-1 | 95 08 04.1 | 20 55.47 | -27 58.5 | 16.7 | -1.14 | - 3.4 | 5.0/01.7 | 25436 |
| 1994 GD ₉ | 95 07 30.8 | 20 38.58 | +12 24.6 | 18.4 | -0.87 | - 4.4 | 9.0/08.0 | 23678 | 1994 EH ₇ | 95 08 04.4 | 20 56.72 | -38 46.8 | 16.4 | -1.14 | + 1.2 | 9.4/31.4 | 24112 |
| 1989 AD | 95 07 30.8 | 20 38.87 | -27 03.8 | 16.2 | -1.12 | - 2.7 | 3.4/29.1 | 22080 | 1988 SZ ₂ | 95 08 04.6 | 20 57.24 | -17 45.9 | 18.4 | -0.64 | - 3.2 | 0.1/04.5 | 20503 |
| 1987 DM ₆ | 95 07 31.0 | 20 39.39 | -12 33.8 | 17.4 | -1.00 | - 4.4 | 2.2/01.3 | 22078 | 1973 SO ₁ | 95 08 04.6 | 20 57.31 | -09 51.8 | 17.9 | -0.47 | - 2.6 | 1.3/06.6 | 18280 |
| 1992 UY ₃ | 95 07 31.1 | 20 39.71 | -29 44.1 | 15.6 | -1.03 | - 3.1 | 5.8/28.6 | 25082 | 1989 WK ₄ | 95 08 04.7 | 20 57.56 | -20 47.9 | 17.5 | -1.01 | - 6.1 | 1.4/03.8 | 23684 |
| (6526) | 95 07 31.2 | 20 40.41 | -17 04.3 | 14.7 | -0.82 | - 8.5 | 0.7/31.6 | 25524 | 1274 T-2 | 95 08 04.8 | 20 57.97 | -19 51.2 | 18.1 | -0.90 | - 3.3 | 0.9/04.2 | 21952 |
| (5859) | 95 07 31.3 | 20 40.68 | -17 11.6 | 17.0 | -0.97 | - 4.7 | 0.4/31.6 | 25412 | 1984 HM ₁ | 95 08 05.0 | 20 58.66 | -21 29.6 | 16.8 | -1.06 | - 3.8 | 1.8/04.0 | 23122 |
| 1987 SC ₁ | 95 07 31.3 | 20 40.69 | -16 24.9 | 16.9 | -0.93 | - 5.9 | 0.8/31.8 | 21971 | 1981 DB ₃ | 95 08 05.0 | 20 58.94 | -01 41.5 | 16.7 | -0.85 | - 2.1 | 6.8/08.5 | 25536 |
| 1978 RY ₆ | 95 07 31.3 | 20 40.70 | -24 20.5 | 17.1 | -0.85 | - 1.1 | 1.7/30.1 | 17815 | 3290 T-2 | 95 08 05.0 | 20 58.98 | -26 24.9 | 17.7 | -0.83 | - 2.8 | 2.7/02.8 | 22088 |
| 1991 PK ₁₁ | 95 07 31.4 | 20 41.31 | -19 22.5 | 16.6 | -0.93 | - 1.6 | 0.3/31.3 | 22084 | 1978 RG ₁ | 95 08 05.0 | 20 58.99 | -16 24.2 | 16.0 | -0.76 | - 4.0 | 0.3/05.3 | 25536 |
| 1994 JO | 95 07 31.5 | 20 41.48 | +02 39.4 | 16.6 | -0.74 | - 3.0 | 5.9/05.8 | 25539 | 1994 EQ ₁ | 95 08 05.1 | 20 59.36 | -12 42.8 | 17.1 | -0.99 | - 5.4 | 1.7/06.2 | 23791 |
| 1988 PX ₁ | 95 07 31.6 | 20 42.07 | -10 54.4 | 15.1 | -0.86 | - 7.6 | 3.4/02.6 | 25537 | 1970 JB | 95 08 05.2 | 20 59.48 | +00 08.4 | 17.4 | -1.28 | + 3.0 | 7.3/09.0 | 18412 |
| 1991 PK ₁₅ | 95 07 31.6 | 20 42.08 | -20 05.7 | 15.8 | -0.93 | - 0.6 | 0.9/31.4 | 25441 | 1990 QY | 95 08 05.2 | 20 59.65 | -04 22.7 | 15.7 | -0.74 | - 5.1 | 4.9/09.0 | 25529 |
| 1992 YB ₁ | 95 07 31.7 | 20 42.32 | -20 06.8 | 15.7 | -0.87 | - 2.9 | 0.6/31.4 | 23685 | 1931 UB | 95 08 05.3 | 21 00.15 | -14 10.3 | 15.5 | -0.87 | - 3.3 | 1.4/06.0 | 11855 |
| 1981 EW ₈ | 95 08 01.0 | 20 43.38 | -12 25.3 | 20.0 | -0.91 | - 3.6 | 1.9/02.3 | 21966 | 1158 T-2 | 95 08 05.3 | 21 00.19 | -13 58.3 | 18.7 | -0.99 | - 4.1 | 1.3/06.1 | 20831 |
| 1977 EK ₁ | 95 08 01.1 | 20 43.75 | -09 41.0 | 17.4 | -0.99 | - 5.2 | 3.5/03.1 | 25536 | 1978 OB | 95 08 05.4 | 21 00.63 | -21 47.8 | 15.8 | -0.68 | -10.5 | 2.6/03.9 | 25527 |
| 1980 DD ₁ | 95 08 01.2 | 20 44.20 | -34 08.3 | 16.2 | -1.01 | - 2.3 | 5.9/28.8 | 25536 | 1994 CZ ₁ | 95 08 05.4 | 21 00.66 | -10 25.8 | 16.8 | -0.99 | - 4.7 | 2.6/07.1 | 23539 |
| 1993 BR ₂ | 95 08 01.3 | 20 44.39 | -23 09.9 | 18.3 | -0.87 | - 2.5 | 1.5/31.2 | 21803 | 1985 QR | 95 08 05.5 | 21 00.58 | -11 06.5 | 16.7 | -0.75 | - 5.9 | 1.8/07.1 | 25537 |
| 1992 RH ₇ | 95 08 01.3 | 20 44.78 | -26 33.6 | 17.5 | -1.11 | - 3.8 | 3.4/30.6 | 23992 | 1990 ST ₆ | 95 08 05.5 | 21 00.97 | -20 28.3 | 17.4 | -0.78 | - 4.9 | 1.3/04.7 | 18297 |
| 1988 TL | 95 08 01.3 | 20 44.80 | -17 33.3 | 16.7 | -1.01 | - 3.3 | 0.2/01.5 | 22272 | (6518) | 95 08 05.6 | 21 01.38 | -23 11.5 | 16.6 | -0.93 | - 7.1 | 2.0/04.0 | 25522 |
| 1991 PZ ₁₁ | 95 08 01.4 | 20 44.95 | -16 42.6 | 16.1 | -1.04 | + 1.0 | 0.5/01.7 | 23538 | 2246 T-2 | 95 08 05.7 | 21 01.49 | -11 07.5 | 17.4 | -0.78 | - 4.9 | 2.6/07.3 | 25536 |
| 1995 OV | 95 08 01.4 | 20 45.04 | -27 55.2 | 15.2 | -0.98 | + 1.6 | 4.7/30.8 | 25535 | 2765 P-L | 95 08 05.8 | 21 01.75 | -18 45.8 | 19.2 | -0.92 | - 3.7 | 0.7/05.4 | 22694 |
| 1988 RV ₁₂ | 95 08 01.4 | 20 45.15 | -00 34.1 | 19.1 | -0.57 | - 3.3 | 3.6/06.0 | 15715 | 1979 QK ₆ | 95 08 05.8 | 21 02.09 | -19 03.3 | 14.9 | -0.79 | - 8.0 | 1.2/05.2 | 25077 |
| 1988 PG ₂ | 95 08 01.7 | 20 46.21 | -17 31.9 | 17.3 | -0.99 | - 5.8 | 0.2/01.9 | 20502 | 1980 SG | 95 08 05.9 | 21 02.32 | -29 48.2 | 16.6 | -1.06 | - 2.6 | 5.7/02.9 | 25536 |
| 1977 RY ₆ | 95 08 01.8 | 20 46.33 | -31 46.4 | 16.8 | -1.03 | - 1.2 | 5.5/29.9 | 21964 | 1988 VM ₉ | 95 08 06.1 | 21 03.04 | -28 18.3 | 16.7 | -1.06 | - 3.5 | 4.1/03.4 | 21972 |
| 1992 AP ₁ | 95 08 01.9 | 20 46.75 | -17 09.0 | 16.3 | -0.80 | - 3.0 | 0.2/02.1 | 23519 | 1989 UU ₁ | 95 08 06.1 | 21 03.27 | -10 02.6 | 15.9 | -1.07 | - 1.9 | 2.8/07.6 | 25538 |
| 1994 GR ₉ | 95 08 01.9 | 20 46.97 | -18 33.0 | 16.1 | -0.80 | - 3.0 | 0.2/01.8 | 25069 | 2146 T-1 | 95 08 06.1 | 21 03.32 | -15 34.0 | 16.9 | -0.75 | - 3.5 | 0.3/06.5 | 22087 |
| 2213 T-1 | 95 08 02.0 | 20 47.08 | -29 31.9 | 16.5 | -0.90 | - 1.4 | 4.0/30.5 | 25540 | 1994 FS | 95 08 06.4 | 21 04.10 | -13 08.5 | 16.0 | -0.89 | - 4.5 | 1.7/07.3 | 25532 |
| 2561 P-L | 95 08 02.1 | 20 47.70 | -38 38.6 | 17.1 | -1.09 | - 1.7 | 7.2/28.7 | 23686 | 1978 VF ₆ | 95 08 06.4 | 21 04.27 | -09 11.9 | 19.3 | -0.98 | - 3.3 | 2.9/08.2 | 16422 |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| (6512) | 95 08 06.5 | 21 04.80 | -00 07.4 | 15.9 | -0.74 | - 8.1 | 7.3/11.9 | 25520 | 1981 EF ₂₈ | 95 08 10.7 | 21 20.50 | -31 52.8 | 16.3 | -1.05 | 0.0 | 7.1/07.1 | 25536 |
| 1984 TD | 95 08 06.6 | 21 04.98 | -16 37.3 | 17.0 | -0.78 | - 3.4 | 0.0/06.7 | 23512 | 1993 DO | 95 08 10.7 | 21 20.55 | -10 58.2 | 16.2 | -0.74 | - 6.6 | 1.4/12.1 | 23685 |
| 1993 AB | 95 08 06.7 | 21 05.22 | -28 18.8 | 18.3 | -0.96 | - 5.2 | 3.7/03.6 | 22085 | (5865) | 95 08 10.9 | 21 21.50 | -03 07.0 | 15.6 | -0.86 | - 6.1 | 5.3/14.4 | 25518 |
| 1989 BC | 95 08 06.7 | 21 05.39 | -28 00.6 | 15.7 | -0.89 | - 6.8 | 3.8/03.6 | 23684 | 1989 WG ₄ | 95 08 11.0 | 21 21.76 | -21 36.4 | 16.5 | -1.02 | - 7.4 | 2.6/09.3 | 25538 |
| 1989 VW | 95 08 06.8 | 21 05.61 | -25 12.8 | 17.4 | -0.66 | - 2.7 | 1.9/04.6 | 22431 | 1993 FM ₁₆ | 95 08 11.0 | 21 21.82 | -23 59.0 | 16.5 | -0.79 | - 4.0 | 2.5/08.7 | 23980 |
| 1976 UB ₂ | 95 08 06.9 | 21 06.22 | -15 39.2 | 15.8 | -0.84 | - 3.3 | 0.3/07.2 | 13480 | 1991 EN | 95 08 11.3 | 21 22.75 | -01 07.2 | 17.3 | -0.56 | - 0.6 | 2.7/15.1 | 25538 |
| 1992 SF ₁ | 95 08 06.9 | 21 06.23 | -24 15.5 | 16.0 | -1.07 | - 5.5 | 3.6/05.0 | 24583 | 1984 SF ₆ | 95 08 11.3 | 21 22.85 | -17 20.5 | 17.9 | -0.77 | - 4.2 | 0.6/10.8 | 22076 |
| 1981 ES ₄ | 95 08 06.9 | 21 06.30 | -24 08.2 | 15.9 | -1.20 | + 4.0 | 3.3/05.9 | 24580 | 1988 DD ₃ | 95 08 11.3 | 21 22.89 | -04 45.4 | 17.9 | -0.81 | - 2.1 | 3.3/14.0 | 25537 |
| 1991 GG ₅ | 95 08 06.9 | 21 06.35 | -13 58.4 | 15.8 | -0.92 | - 4.0 | 1.4/07.6 | 25081 | 3266 T-1 | 95 08 11.5 | 21 23.66 | -16 10.9 | 18.6 | -0.77 | - 3.4 | 0.3/11.3 | 22432 |
| 3306 T-2 | 95 08 06.9 | 21 06.41 | -25 04.1 | 18.6 | -1.13 | - 4.5 | 3.7/05.0 | 24585 | 1993 FM ₁₉ | 95 08 11.5 | 21 23.72 | -18 46.9 | 15.7 | -0.82 | - 6.3 | 1.2/10.5 | 24913 |
| 1978 VN ₃ | 95 08 07.1 | 21 06.72 | -10 18.7 | 19.8 | -0.85 | - 3.7 | 2.1/08.6 | 19856 | 1987 SH ₇ | 95 08 11.5 | 21 23.75 | +08 37.5 | 15.1 | -1.44 | +10.4 | 13.2/13.6 | 25537 |
| 1990 BF | 95 08 07.1 | 21 07.00 | -17 56.1 | 16.6 | -1.04 | - 2.7 | 0.5/06.9 | 23684 | 1983 VS ₁ | 95 08 11.6 | 21 24.11 | -22 11.1 | 18.6 | -0.95 | - 3.5 | 2.2/09.9 | 25537 |
| 6624 P-L | 95 08 07.1 | 21 07.07 | -22 08.8 | 18.5 | -1.02 | - 4.8 | 2.4/05.8 | 21978 | (6034) | 95 08 11.6 | 21 24.28 | -20 59.7 | 17.7 | -1.03 | - 4.3 | 2.1/10.2 | 23772 |
| 1992 WM ₅ | 95 08 07.2 | 21 07.25 | -25 55.2 | 16.7 | -0.95 | - 5.8 | 3.2/04.7 | 24240 | 4607 P-L | 95 08 11.7 | 21 24.32 | -23 07.6 | 17.5 | -0.94 | - 3.0 | 2.7/09.8 | 20830 |
| 1990 QV ₄ | 95 08 07.4 | 21 08.22 | -18 50.4 | 16.1 | -0.77 | - 6.6 | 0.7/06.8 | 23780 | 1975 TE | 95 08 11.7 | 21 24.50 | -24 45.1 | 15.2 | -0.96 | - 2.6 | 5.1/09.3 | 22270 |
| (5877) | 95 08 07.5 | 21 08.30 | -34 01.2 | 15.6 | -0.99 | - 7.8 | 6.3/02.4 | 23233 | 1993 FR ₄₄ | 95 08 11.8 | 21 24.63 | -16 55.0 | 16.2 | -0.79 | - 2.8 | 0.5/11.4 | 23528 |
| 1994 EZ ₁ | 95 08 07.6 | 21 08.96 | -32 16.9 | 16.6 | -0.96 | - 3.4 | 5.4/03.7 | 25532 | (6487) | 95 08 11.8 | 21 24.66 | +20 38.5 | 15.2 | -0.51 | -18.2 | 16.2/31.2 | 25417 |
| (6521) | 95 08 07.7 | 21 09.19 | +03 41.6 | 15.7 | -0.79 | - 6.1 | 9.5/14.0 | 25522 | 1981 WM | 95 08 11.9 | 21 25.10 | -22 40.4 | 16.9 | -0.99 | - 5.5 | 2.9/09.9 | 25438 |
| 1988 XR | 95 08 07.7 | 21 09.29 | -14 26.4 | 16.8 | -0.98 | - 4.1 | 0.8/08.2 | 23684 | (5961) | 95 08 11.9 | 21 25.18 | -15 25.8 | 16.8 | -0.98 | - 4.0 | 0.1/11.9 | 23505 |
| 1994 EF ₃ | 95 08 07.7 | 21 09.35 | -18 01.7 | 16.6 | -0.95 | - 7.4 | 0.7/07.3 | 25539 | 4074 T-3 | 95 08 12.0 | 21 25.41 | -19 03.9 | 18.1 | -0.96 | - 5.4 | 1.5/11.0 | 22088 |
| (5916) | 95 08 07.8 | 21 09.56 | -00 00.1 | 14.9 | -0.97 | - 1.1 | 7.6/11.5 | 25518 | (5973) | 95 08 12.0 | 21 25.48 | -08 04.8 | 15.3 | -0.85 | - 4.2 | 3.1/14.0 | 23507 |
| 1993 CN | 95 08 07.8 | 21 09.57 | -25 43.9 | 16.4 | -0.81 | - 6.0 | 2.9/05.2 | 23685 | 3166 T-3 | 95 08 12.2 | 21 26.29 | -12 28.5 | 19.1 | -0.94 | - 5.1 | 0.9/12.9 | 22702 |
| (5905) | 95 08 07.9 | 21 10.09 | -09 27.8 | 14.1 | -0.95 | -31.9 | 3.1/10.8 | 23331 | 9602 P-L | 95 08 12.2 | 21 26.33 | -13 50.3 | 18.7 | -0.49 | - 3.2 | 0.2/12.6 | 22274 |
| 1991 JA | 95 08 08.1 | 21 10.63 | -30 13.9 | 16.7 | -1.08 | - 4.7 | 5.8/04.6 | 23349 | 1993 FN ₄₁ | 95 08 12.3 | 21 26.86 | -12 33.4 | 17.3 | -0.77 | - 3.9 | 0.8/13.1 | 25539 |
| 1989 SF | 95 08 08.1 | 21 10.70 | -17 39.4 | 16.2 | -1.12 | - 2.7 | 0.6/07.8 | 23537 | 1994 CA | 95 08 12.4 | 21 26.91 | -29 06.0 | 15.5 | -1.87 | +10.6 | 7.5/11.3 | 23350 |
| 1984 BS | 95 08 08.2 | 21 11.29 | -21 14.7 | 15.7 | -1.03 | - 7.9 | 2.2/06.9 | 18424 | (5998) | 95 08 12.4 | 21 26.92 | -11 39.5 | 16.4 | -0.82 | - 5.6 | 1.2/13.4 | 25412 |
| 1981 ES ₂₇ | 95 08 08.3 | 21 11.73 | -26 54.4 | 19.7 | -1.18 | - 1.7 | 4.6/06.2 | 23132 | 1982 RK | 95 08 12.5 | 21 27.43 | -19 56.3 | 15.5 | -0.99 | - 7.6 | 2.2/11.1 | 23682 |
| 1978 ST ₇ | 95 08 08.5 | 21 12.22 | -17 20.4 | 16.5 | -1.07 | - 2.4 | 0.5/08.3 | 21965 | 6541 P-L | 95 08 12.7 | 21 28.01 | -12 26.4 | 18.9 | -0.48 | - 3.2 | 0.5/13.5 | 22694 |
| 1994 GT ₉ | 95 08 08.5 | 21 12.34 | -27 18.5 | 16.6 | -0.93 | - 3.5 | 3.7/05.8 | 25539 | 1973 SY | 95 08 12.8 | 21 28.56 | -00 09.9 | 17.4 | -0.48 | - 3.2 | 2.8/17.4 | 21963 |
| 1989 WQ ₁ | 95 08 08.6 | 21 12.85 | -47 35.4 | 17.0 | -1.69 | - 8.9 | 15.5/29.6 | 25538 | 1993 BV ₂ | 95 08 12.8 | 21 28.61 | -10 46.1 | 16.6 | -0.91 | - 3.5 | 1.3/13.9 | 22274 |
| 1986 TR ₆ | 95 08 08.7 | 21 12.82 | -05 57.0 | 16.9 | -0.52 | - 1.3 | 1.9/11.4 | 25537 | 1981 DT ₂ | 95 08 13.0 | 21 29.25 | -19 05.5 | 16.5 | -1.08 | + 0.5 | 1.6/12.2 | 21966 |
| 1992 SR ₁ | 95 08 08.8 | 21 13.36 | -11 13.4 | 16.9 | -1.06 | - 2.2 | 2.0/09.9 | 25538 | 1994 AC ₁₃ | 95 08 13.3 | 21 30.64 | -19 11.6 | 19.9 | -1.01 | - 4.5 | 1.7/12.2 | 23529 |
| 2480 T-3 | 95 08 09.0 | 21 14.43 | -25 37.5 | 16.1 | -1.11 | - 0.8 | 4.1/07.1 | 24410 | 1978 RL ₁ | 95 08 13.4 | 21 30.97 | -14 15.7 | 16.5 | -0.75 | - 4.3 | 0.2/13.6 | 21964 |
| 1989 EH ₁ | 95 08 09.2 | 21 14.91 | -12 33.6 | 17.4 | -0.83 | - 5.0 | 1.1/10.2 | 22431 | 1991 GY ₄ | 95 08 13.6 | 21 31.55 | -18 42.8 | 17.6 | -1.01 | - 4.9 | 1.8/12.6 | 25081 |
| 1992 BB ₅ | 95 08 09.4 | 21 15.50 | -21 47.1 | 16.5 | -0.79 | - 5.0 | 1.8/07.8 | 21266 | 1989 TB ₁ | 95 08 13.7 | 21 31.97 | -18 50.1 | 16.6 | -1.10 | - 4.2 | 1.8/12.7 | 25080 |
| 1991 GW ₈ | 95 08 09.5 | 21 16.04 | -15 28.0 | 18.6 | -1.01 | - 3.7 | 0.2/09.6 | 25081 | 1991 WB | 95 08 13.8 | 21 32.43 | -65 42.8 | 16.2 | -1.60 | -10.3 | 17.5/25.0 | 21579 |
| 1991 RH ₇ | 95 08 09.6 | 21 16.37 | -03 58.6 | 16.4 | -0.83 | - 2.6 | 4.9/12.6 | 22084 | 1979 YQ | 95 08 14.0 | 21 32.87 | -28 02.5 | 16.0 | -0.96 | - 7.2 | 5.3/09.8 | 22073 |
| (6225) | 95 08 09.6 | 21 16.50 | -05 53.4 | 18.2 | -0.98 | - 5.0 | 4.2/12.2 | 24724 | 1992 YM | 95 08 14.1 | 21 33.38 | -27 01.1 | 16.9 | -0.91 | - 8.2 | 4.2/10.2 | 23675 |
| 1992 WJ ₂ | 95 08 09.8 | 21 16.99 | -30 49.0 | 15.5 | -0.99 | - 4.1 | 7.2/05.8 | 23992 | 2277 T-2 | 95 08 14.2 | 21 33.99 | -20 16.8 | 17.1 | -0.89 | - 3.6 | 2.3/12.7 | 22088 |
| 1982 FN | 95 08 09.8 | 21 17.21 | +11 37.0 | 17.9 | -0.83 | -11.4 | 9.3/20.1 | 25078 | 6530 P-L | 95 08 14.2 | 21 34.03 | -09 18.6 | 16.2 | -0.87 | - 6.8 | 2.1/15.8 | 25539 |
| 1991 UK ₃ | 95 08 10.0 | 21 17.86 | +03 04.7 | 17.7 | -0.70 | - 3.3 | 4.6/15.2 | 25538 | 1991 EL | 95 08 14.3 | 21 34.33 | +07 20.5 | 18.7 | -0.53 | - 0.8 | 3.8/20.7 | 18437 |
| 1982 SH ₁ | 95 08 10.1 | 21 18.14 | +18 28.1 | 18.5 | -0.87 | -12.7 | 16.4/23.8 | 8393 | 1994 EA ₂ | 95 08 14.6 | 21 35.19 | -05 48.1 | 19.4 | -0.97 | - 6.6 | 2.8/17.0 | 25069 |
| 1990 RV | 95 08 10.2 | 21 18.52 | -16 50.8 | 17.2 | -0.76 | - 4.1 | 0.3/09.9 | 21941 | 1990 SH ₂₈ | 95 08 14.6 | 21 35.38 | -15 11.3 | 16.2 | -0.79 | - 3.8 | 0.3/14.4 | 22082 |
| (6072) | 95 08 10.3 | 21 19.18 | -04 42.5 | 16.4 | -0.71 | - 5.0 | 3.4/13.5 | 23855 | 1987 SM ₄ | 95 08 14.7 | 21 35.59 | -04 47.6 | 15.4 | -0.96 | + 0.6 | 4.3/16.8 | 21971 |
| 1972 AU | 95 08 10.3 | 21 19.37 | -26 34.8 | 15.4 | -1.13 | + 2.2 | 4.8/08.4 | 22696 | 1990 SX ₁₆ | 95 08 14.7 | 21 35.79 | -28 10.1 | 16.7 | -0.94 | - 1.3 | 5.0/11.3 | 21974 |
| 6591 P-L | 95 08 10.4 | 21 19.54 | -24 17.6 | 17.7 | -0.54 | - 1.9 | 1.6/08.1 | 24585 | 1985 RU ₂ | 95 08 14.7 | 21 35.91 | -18 56.1 | 16.3 | -1.03 | - 4.0 | 2.2/13.6 | 22824 |
| (5924) | 95 08 10.4 | 21 19.65 | -18 52.3 | 15.5 | -0.98 | - 5.9 | 1.2/09.6 | 23335 | (6513) | 95 08 14.9 | 21 36.40 | +01 11.4 | 15.7 | -0.85 | - 3.9 | 5.9/19.0 | 25521 |
| 1993 FF ₄ | 95 08 10.5 | 21 19.75 | -19 05.9 | 17.8 | -0.80 | - 3.6 | 1.0/09.6 | 24230 | 4262 T-1 | 95 08 14.9 | 21 36.45 | -19 05.1 | 17.5 | -0.86 | - 4.5 | 1.6/13.6 | 21808 |
| 2636 P-L | 95 08 10.6 | 21 20.09 | -12 46.5 | 16.5 | -0.94 | - 6.3 | 1.3/11.4 | 23135 | 1992 GH | 95 08 15.0 | 21 36.69 | -40 59.5 | 16.0 | -1.98 | +10.5 | 15.0/12.4 | 21977 |
| 1984 CF | 95 08 10.6 | 21 20.42 | -26 13.6 | 16.8 | -0.87 | - 5.6 | 3.3/07.7 | 25537 | 1981 EV ₉ | 95 08 15.4 | 21 38.48 | -09 18.7 | 19.2 | -1.05 | - 3.5 | 2.0/16.7 | 25536 |
| (5858) | 95 08 10.7 | 21 20.49 | -04 57.2 | 15.6 | -0.95 | - 4.6 | 4.2/13.5 | 23228 | 1991 RA ₁₆ | 95 08 15.4 | 21 38.57 | -17 10.3 | 16.9 | -0.85 | - 5.5 | 1.0/14.6 | 22084 |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| 1990 KE | 95 08 15.5 | 21 38.70 | +04 59.6 | 16.2 | -0.76 | - 8.4 | 7.3/22.0 | 23514 | 1981 EE ₂₃ | 95 08 20.0 | 21 55.67 | -10 34.7 | 17.9 | -0.88 | - 3.1 | 0.9/20.6 | 25438 |
| (6138) | 95 08 15.6 | 21 38.94 | -13 34.1 | 16.0 | -0.96 | - 6.4 | 0.2/15.8 | 24096 | 1988 VD ₃ | 95 08 20.2 | 21 56.09 | -13 29.6 | 15.4 | -0.95 | - 3.7 | 0.4/20.0 | 22493 |
| 1994 EK ₂ | 95 08 15.7 | 21 39.37 | -09 16.5 | 16.3 | -0.91 | - 6.8 | 1.8/17.1 | 23539 | 1994 HT ₁ | 95 08 20.2 | 21 56.32 | -05 11.3 | 17.1 | -0.83 | - 4.9 | 3.1/22.4 | 25539 |
| 1990 VL ₈ | 95 08 15.7 | 21 39.43 | -16 16.4 | 16.5 | -0.75 | - 4.7 | 0.8/15.1 | 18299 | 1981 ER ₂₄ | 95 08 20.3 | 21 56.42 | -09 23.8 | 17.8 | -0.94 | - 5.8 | 1.5/21.2 | 22697 |
| 1981 EM ₁₃ | 95 08 15.8 | 21 39.62 | -04 42.9 | 18.9 | -0.99 | - 5.1 | 3.8/18.3 | 25078 | (6090) | 95 08 20.4 | 21 57.09 | -13 19.6 | 16.2 | -0.57 | - 0.7 | 0.2/20.2 | 23964 |
| 1331 T-2 | 95 08 15.8 | 21 39.76 | -11 34.7 | 18.5 | -0.85 | - 3.9 | 0.9/16.5 | 25229 | 2763 P-L | 95 08 20.8 | 21 58.38 | -14 52.5 | 19.0 | -0.79 | - 4.6 | 0.8/20.1 | 20514 |
| 1975 SA ₁ | 95 08 15.8 | 21 40.05 | -29 26.7 | 16.6 | -0.92 | - 2.2 | 5.1/11.8 | 22491 | (6001) | 95 08 21.0 | 21 59.06 | -13 50.3 | 15.8 | -0.80 | - 5.4 | 0.5/20.6 | 23661 |
| 3211 T-2 | 95 08 16.0 | 21 40.73 | -17 41.0 | 18.5 | -0.77 | - 4.0 | 1.1/15.0 | 15728 | 1976 DJ ₁ | 95 08 21.0 | 21 59.10 | -16 49.4 | 17.8 | -0.61 | - 4.0 | 1.0/19.6 | 23868 |
| 2259 T-1 | 95 08 16.2 | 21 41.17 | -15 17.9 | 17.8 | -0.76 | - 4.9 | 0.4/15.8 | 23540 | 1991 XR ₁ | 95 08 21.1 | 21 59.44 | -15 13.5 | 16.3 | -0.82 | - 4.1 | 1.0/20.3 | 25227 |
| 1982 FK ₃ | 95 08 16.2 | 21 41.24 | -08 50.0 | 17.6 | -0.89 | - 5.4 | 1.6/17.6 | 25537 | 1982 VA ₁ | 95 08 21.1 | 21 59.52 | -26 55.4 | 14.8 | -0.88 | - 4.3 | 7.7/16.6 | 25438 |
| 1991 TQ ₆ | 95 08 16.3 | 21 41.90 | -09 50.2 | 18.1 | -0.86 | - 3.5 | 1.3/17.5 | 25530 | 4068 T-2 | 95 08 21.2 | 22 00.16 | -18 19.2 | 19.7 | -0.88 | - 4.4 | 2.1/19.5 | 22701 |
| 1991 LH ₁ | 95 08 16.4 | 21 41.91 | -16 38.1 | 16.6 | -0.92 | - 5.8 | 1.2/15.6 | 23782 | 1984 SC ₆ | 95 08 21.3 | 22 00.21 | -17 57.1 | 15.5 | -0.81 | - 5.9 | 2.8/19.5 | 23778 |
| 1991 VE ₁ | 95 08 16.5 | 21 42.44 | +07 53.5 | 15.7 | -0.82 | - 2.6 | 8.6/22.7 | 21976 | 1981 EZ ₂₃ | 95 08 21.5 | 22 00.94 | -07 42.9 | 19.9 | -0.85 | - 5.2 | 1.6/22.8 | 21967 |
| 1985 TA ₂ | 95 08 16.5 | 21 42.59 | -08 51.9 | 15.9 | -0.85 | - 1.5 | 1.6/17.8 | 24117 | 5006 T-2 | 95 08 21.5 | 22 01.09 | -06 58.9 | 17.6 | -0.82 | - 2.1 | 1.6/22.9 | 16038 |
| 1978 VB ₆ | 95 08 16.7 | 21 43.00 | +32 18.9 | 17.0 | -0.99 | - 0.8 | 19.3/06.4 | 22270 | 1981 ER ₂₅ | 95 08 21.5 | 22 01.18 | -08 33.9 | 18.5 | -0.85 | - 6.4 | 1.3/22.7 | 21932 |
| 3155 T-2 | 95 08 16.9 | 21 43.89 | -14 18.9 | 17.7 | -0.72 | - 5.1 | 0.2/16.7 | 25536 | 1976 GA ₂ | 95 08 21.7 | 22 01.60 | -11 22.1 | 17.7 | -0.94 | - 6.0 | 0.3/21.9 | 25536 |
| 1987 DD ₆ | 95 08 16.9 | 21 44.00 | -12 08.7 | 17.3 | -0.94 | - 6.8 | 0.6/17.4 | 18811 | 1983 AA | 95 08 22.1 | 22 03.38 | +14 02.8 | 18.2 | -1.15 | + 0.8 | 8.8/28.2 | 21969 |
| 1994 CB ₂ | 95 08 17.0 | 21 44.33 | -09 51.0 | 16.3 | -1.01 | - 4.9 | 1.5/18.1 | 23686 | 4545 P-L | 95 08 22.1 | 22 03.42 | -10 10.7 | 16.8 | -0.78 | - 4.6 | 0.6/22.7 | 17836 |
| 1981 WA ₁ | 95 08 17.1 | 21 44.53 | -14 55.1 | 16.1 | -0.80 | - 5.1 | 0.5/16.7 | 23682 | 1992 UH ₁ | 95 08 22.1 | 22 03.50 | -15 43.0 | 16.5 | -1.07 | - 4.0 | 1.6/21.2 | 23980 |
| 3286 T-1 | 95 08 17.1 | 21 44.78 | -28 46.3 | 18.9 | -1.00 | - 1.6 | 4.7/13.3 | 21602 | 1973 SE ₁ | 95 08 22.2 | 22 03.56 | -16 42.5 | 17.6 | -0.53 | - 2.5 | 0.9/20.7 | 20804 |
| 1981 ER ₁₁ | 95 08 17.2 | 21 45.29 | -11 15.8 | 19.6 | -0.89 | - 3.9 | 0.8/17.9 | 22429 | 1985 GK | 95 08 22.4 | 22 04.57 | +03 48.4 | 17.3 | -0.78 | - 6.4 | 4.9/27.6 | 23788 |
| 1981 UM ₁₁ | 95 08 17.4 | 21 45.87 | -09 45.6 | 16.4 | -0.88 | - 6.1 | 1.7/18.5 | 22430 | 1987 RQ ₂ | 95 08 22.6 | 22 05.06 | -18 36.7 | 15.7 | -0.81 | - 4.5 | 3.4/20.5 | 22824 |
| (6514) | 95 08 17.5 | 21 46.06 | +11 06.0 | 15.5 | -0.79 | - 2.6 | 10.9/24.7 | 25521 | 4101 T-2 | 95 08 22.6 | 22 05.13 | -14 24.8 | 16.9 | -0.77 | - 4.4 | 0.9/21.9 | 22244 |
| 1978 UV | 95 08 17.6 | 21 46.44 | -24 29.7 | 15.8 | -0.98 | - 4.6 | 4.2/14.4 | 23535 | 1992 UH ₆ | 95 08 22.7 | 22 05.44 | -26 22.3 | 14.6 | -0.92 | - 5.2 | 7.5/18.1 | 23341 |
| 1981 EE ₁₁ | 95 08 17.7 | 21 46.74 | -12 55.7 | 17.4 | -1.01 | - 2.7 | 0.2/17.8 | 22270 | 1991 UA ₂ | 95 08 22.8 | 22 05.93 | -10 55.3 | 17.3 | -0.82 | - 4.2 | 0.3/23.1 | 25538 |
| 1054 T-3 | 95 08 17.7 | 21 47.18 | -46 45.7 | 18.8 | -1.98 | +10.3 | 18.3/13.9 | 19330 | 1994 JG | 95 08 22.9 | 22 06.13 | -00 35.1 | 16.3 | -0.71 | - 6.5 | 3.7/26.6 | 23791 |
| 1991 TT ₁₃ | 95 08 17.8 | 21 47.09 | -00 32.6 | 17.1 | -0.77 | - 2.2 | 3.5/21.3 | 22594 | 1995 LJ | 95 08 22.9 | 22 06.14 | -06 42.3 | 16.2 | -0.88 | + 5.7 | 3.1/24.0 | 25534 |
| 1992 SQ | 95 08 17.8 | 21 47.48 | -07 50.5 | 16.3 | -0.99 | - 3.6 | 2.6/19.0 | 21587 | 1981 EG ₁₁ | 95 08 23.0 | 22 06.65 | -03 34.7 | 20.6 | -0.85 | - 5.4 | 2.5/25.5 | 23535 |
| 1993 HH ₃ | 95 08 17.9 | 21 47.59 | -14 54.4 | 16.5 | -0.75 | - 4.6 | 0.5/17.5 | 23528 | 2390 T-3 | 95 08 23.0 | 22 06.71 | -22 00.1 | 16.9 | -1.06 | - 2.3 | 4.2/20.4 | 23540 |
| (6039) | 95 08 17.9 | 21 47.76 | -00 24.2 | 15.6 | -0.65 | - 6.1 | 3.8/22.2 | 23773 | 1991 SO | 95 08 23.0 | 22 06.73 | -27 04.0 | 17.7 | -1.04 | - 5.5 | 6.6/18.1 | 23517 |
| 3109 P-L | 95 08 18.1 | 21 48.37 | -02 18.3 | 17.9 | -0.86 | - 1.2 | 3.8/20.9 | 14628 | 1982 BU | 95 08 23.1 | 22 07.09 | -42 53.0 | 17.2 | -1.10 | -10.3 | 10.4/10.6 | 22223 |
| 1989 YS ₆ | 95 08 18.3 | 21 49.02 | -19 57.0 | 15.5 | -0.97 | - 7.8 | 3.1/16.2 | 25538 | 1991 GX ₁ | 95 08 23.4 | 22 07.90 | -04 38.2 | 17.5 | -0.51 | - 1.9 | 1.2/25.6 | 21975 |
| 1992 WC ₃ | 95 08 18.4 | 21 49.62 | -24 41.2 | 15.1 | -0.88 | - 6.7 | 5.7/14.8 | 22274 | 7068 P-L | 95 08 23.4 | 22 08.19 | +02 55.5 | 16.0 | -0.71 | - 6.4 | 6.4/28.3 | 19876 |
| 1973 SD ₁ | 95 08 18.5 | 21 49.87 | -19 35.1 | 17.7 | -0.55 | - 2.1 | 1.2/16.6 | 22270 | 6584 P-L | 95 08 23.5 | 22 08.26 | -16 31.2 | 17.4 | -0.88 | - 4.0 | 1.7/22.1 | 23986 |
| 1977 QL ₁ | 95 08 18.8 | 21 50.88 | -15 42.8 | 16.2 | -0.91 | - 2.6 | 1.0/18.1 | 21964 | 4206 P-L | 95 08 23.5 | 22 08.32 | -21 28.8 | 16.9 | -1.21 | + 4.4 | 5.1/21.7 | 16034 |
| 1310 T-2 | 95 08 18.8 | 21 50.96 | -17 07.7 | 17.6 | -0.96 | - 4.8 | 1.8/17.7 | 24410 | 1981 EM ₁ | 95 08 23.6 | 22 08.76 | -13 11.8 | 17.3 | -0.74 | - 4.6 | 0.5/23.1 | 25211 |
| 1981 GG | 95 08 18.8 | 21 51.09 | -34 38.6 | 18.1 | -1.03 | - 2.6 | 6.7/12.9 | 23682 | 1991 UL ₄ | 95 08 23.6 | 22 08.98 | -20 16.1 | 17.2 | -0.88 | - 5.6 | 3.6/20.9 | 20028 |
| 2149 T-1 | 95 08 19.1 | 21 52.07 | -20 07.9 | 17.2 | -0.82 | - 2.7 | 2.1/17.1 | 25436 | 1991 JU | 95 08 23.6 | 22 08.99 | -28 57.8 | 15.8 | -1.01 | - 3.2 | 8.1/18.7 | 25081 |
| 4262 T-2 | 95 08 19.1 | 21 52.16 | -19 35.9 | 17.6 | -1.03 | - 5.8 | 3.1/17.3 | 24585 | 1989 DK | 95 08 23.8 | 22 09.33 | -00 07.3 | 16.4 | -0.95 | - 1.6 | 3.8/26.7 | 22080 |
| 1988 AV ₁ | 95 08 19.2 | 21 52.33 | -20 40.2 | 18.6 | -0.88 | - 6.6 | 2.5/16.8 | 25537 | 1988 BH | 95 08 24.0 | 22 10.21 | -04 04.1 | 17.0 | -0.83 | - 3.2 | 2.1/26.1 | 25339 |
| (6000) | 95 08 19.4 | 21 53.37 | -40 12.8 | 14.5 | -1.06 | - 3.3 | 11.3/10.4 | 23661 | 1990 UY ₃ | 95 08 24.0 | 22 10.43 | -28 40.1 | 16.4 | -0.81 | - 4.5 | 6.4/18.3 | 22054 |
| 1994 EO ₁ | 95 08 19.5 | 21 53.73 | -28 58.1 | 17.0 | -1.10 | - 3.1 | 5.8/15.3 | 23345 | (5999) | 95 08 24.1 | 22 10.57 | -46 00.7 | 19.0 | -1.25 | - 4.5 | 10.4/12.5 | 23661 |
| (6527) | 95 08 19.5 | 21 53.86 | -06 29.1 | 15.4 | -1.01 | - 2.6 | 2.9/21.2 | 25524 | (6516) | 95 08 24.3 | 22 11.21 | -08 13.9 | 15.7 | -0.88 | - 3.8 | 1.5/25.2 | 25521 |
| 1991 JP | 95 08 19.6 | 21 53.87 | +05 28.1 | 16.1 | -0.82 | - 8.8 | 8.3/26.2 | 25538 | 1943 DF | 95 08 24.3 | 22 11.33 | -31 44.2 | 18.1 | -1.24 | - 0.9 | 6.3/19.1 | 22967 |
| 1992 WD ₈ | 95 08 19.6 | 21 53.89 | +10 56.9 | 17.9 | -1.07 | + 0.7 | 7.6/25.1 | 22058 | (6510) | 95 08 24.3 | 22 11.44 | -04 25.0 | 15.0 | -0.81 | -19.2 | 2.7/27.1 | 25520 |
| 1992 UL ₂ | 95 08 19.6 | 21 54.04 | -11 33.5 | 15.5 | -1.02 | - 2.8 | 0.6/20.0 | 21273 | 5187 T-2 | 95 08 24.3 | 22 11.54 | +00 10.8 | 18.3 | -0.48 | - 2.7 | 2.0/28.1 | 16883 |
| 1981 EX ₁₅ | 95 08 19.7 | 21 54.39 | -12 48.2 | 17.3 | -0.92 | - 3.1 | 0.0/19.7 | 25536 | 1992 UT ₃ | 95 08 24.4 | 22 11.67 | -22 44.5 | 16.9 | -1.04 | - 5.3 | 4.6/21.0 | 23685 |
| 1986 CC ₂ | 95 08 19.7 | 21 54.60 | -08 56.0 | 14.6 | -1.09 | + 4.6 | 2.1/20.4 | 22077 | 1985 VE | 95 08 24.5 | 22 12.21 | -09 09.3 | 16.6 | -0.92 | - 7.1 | 0.7/25.2 | 23536 |
| 1985 T ₁ | 95 08 19.8 | 21 54.72 | -29 05.8 | 16.4 | -0.92 | - 1.9 | 5.7/15.4 | 17016 | 1991 RP ₁₇ | 95 08 24.7 | 22 12.90 | -20 16.9 | 15.8 | -1.13 | + 4.7 | 4.6/23.1 | 24105 |
| 1991 PF ₁₈ | 95 08 19.8 | 21 54.89 | -06 32.6 | 16.6 | -0.90 | - 3.9 | 2.4/21.6 | 20026 | 3196 T-1 | 95 08 24.7 | 22 12.93 | -08 05.8 | 17.5 | -0.83 | - 4.7 | 0.9/25.7 | 23791 |
| 1989 EC ₃ | 95 08 19.9 | 21 55.01 | -04 06.9 | 17.8 | -0.83 | - 6.7 | 2.9/22.6 | 25537 | 1973 SM ₁ | 95 08 24.8 | 22 13.12 | +00 53.6 | 18.4 | -0.47 | - 3.8 | 2.2/28.9 | 25077 |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| 1990 WL | 95 08 24.9 | 22 13.38 | -13 52.8 | 16.0 | -0.72 | - 6.9 | 0.9/23.9 | 21975 | (6509) | 95 08 31.5 | 22 37.72 | +00 51.7 | 15.2 | -0.86 | - 2.2 | 3.9/03.0 | 25520 |
| 1992 YP ₂ | 95 08 25.0 | 22 13.79 | -24 55.7 | 18.5 | -0.95 | - 6.3 | 5.1/20.5 | 23790 | 1992 WY ₁ | 95 08 31.6 | 22 38.19 | -11 02.3 | 16.6 | -1.00 | - 4.4 | 1.0/31.0 | 21277 |
| 1987 RO ₃ | 95 08 25.1 | 22 14.42 | -01 11.0 | 16.2 | -0.70 | - 5.8 | 4.7/28.4 | 25537 | 1978 RV ₁ | 95 08 31.8 | 22 38.68 | -09 41.4 | 15.5 | -0.82 | - 5.7 | 0.6/31.5 | 25527 |
| 1990 KC ₁ | 95 08 25.2 | 22 14.84 | -25 35.2 | 17.4 | -0.88 | - 7.9 | 4.9/20.3 | 23684 | (5930) | 95 09 01.0 | 22 39.41 | -11 19.1 | 15.5 | -0.89 | - 8.5 | 1.2/31.1 | 23498 |
| 6673 P-L | 95 08 25.3 | 22 15.25 | -00 55.4 | 16.6 | -0.65 | - 9.3 | 2.8/29.0 | 23680 | 2083 T-2 | 95 09 01.0 | 22 39.49 | -08 18.3 | 17.9 | -0.71 | - 4.4 | 0.0/01.1 | 25540 |
| 1984 FK | 95 08 25.4 | 22 15.21 | -08 26.6 | 15.8 | -0.91 | - 8.0 | 1.0/26.2 | 25078 | 1993 BM | 95 09 01.0 | 22 39.50 | -05 26.8 | 16.8 | -0.88 | - 2.7 | 1.0/01.9 | 22238 |
| (5911) | 95 08 25.4 | 22 15.50 | -18 04.0 | 16.4 | -0.99 | - 6.4 | 2.8/23.3 | 23332 | 1987 DY ₄ | 95 09 01.1 | 22 39.95 | +11 49.3 | 16.7 | -0.74 | - 2.8 | 5.3/07.8 | 25537 |
| 1979 XJ | 95 08 25.8 | 22 16.97 | -21 43.1 | 14.9 | -0.68 | - 9.5 | 5.9/21.7 | 21252 | 1982 FS ₃ | 95 09 01.7 | 22 42.00 | -01 11.8 | 16.9 | -0.67 | - 6.4 | 1.9/04.2 | 23682 |
| 1986 QY | 95 08 25.9 | 22 17.36 | -16 31.8 | 16.7 | -0.90 | - 3.6 | 2.0/24.3 | 22077 | 1220 T-1 | 95 09 01.7 | 22 42.18 | -06 19.7 | 17.8 | -0.91 | - 5.2 | 0.6/02.4 | 22274 |
| 1990 RE ₇ | 95 08 26.1 | 22 17.79 | -18 42.2 | 17.1 | -0.90 | - 1.9 | 2.6/23.9 | 23537 | (5989) | 95 09 01.8 | 22 42.34 | -07 41.8 | 15.2 | -0.92 | - 3.4 | 0.3/02.0 | 23658 |
| 1981 EX ₂₄ | 95 08 26.1 | 22 18.12 | -10 48.9 | 17.6 | -0.74 | - 4.6 | 0.1/26.1 | 17430 | 1991 PY ₂ | 95 09 01.8 | 22 42.58 | -03 38.9 | 17.3 | -1.02 | - 2.6 | 1.6/03.1 | 23516 |
| 1981 ET ₂₀ | 95 08 26.6 | 22 19.87 | -16 46.4 | 19.5 | -0.96 | - 2.5 | 2.1/24.9 | 22429 | (5871) | 95 09 01.9 | 22 43.02 | +11 41.6 | 14.8 | -1.74 | +11.7 | 11.2/04.0 | 23231 |
| 5493 T-2 | 95 08 26.6 | 22 19.96 | -06 59.5 | 17.1 | -0.55 | - 1.5 | 0.7/27.7 | 25540 | 1982 QG | 95 09 02.0 | 22 42.98 | -05 14.9 | 15.6 | -0.82 | - 3.7 | 1.3/03.0 | 25438 |
| 1981 EV ₂₄ | 95 08 26.7 | 22 20.03 | -12 44.1 | 19.5 | -0.92 | - 4.1 | 0.8/26.0 | 21967 | 1993 FQ ₁₀ | 95 09 02.1 | 22 43.44 | -20 02.0 | 16.8 | -0.88 | - 2.5 | 3.7/29.6 | 23522 |
| 3186 T-3 | 95 08 26.7 | 22 20.19 | -16 42.2 | 16.4 | -0.99 | - 5.4 | 2.6/24.8 | 25443 | 1981 EB ₃₃ | 95 09 02.2 | 22 43.71 | -03 12.1 | 17.4 | -1.05 | + 1.5 | 2.1/03.4 | 25536 |
| 1992 WO ₃ | 95 08 26.7 | 22 20.28 | +22 06.0 | 17.2 | -0.94 | - 5.7 | 11.8/06.7 | 23674 | 1990 KG | 95 09 02.2 | 22 43.75 | -26 19.8 | 16.5 | -0.86 | - 7.8 | 6.0/26.9 | 23789 |
| 1981 ED ₄₀ | 95 08 26.9 | 22 20.75 | -03 30.2 | 19.3 | -0.71 | - 6.3 | 1.9/29.0 | 23857 | 4272 T-1 | 95 09 02.2 | 22 43.94 | -14 20.7 | 15.7 | -0.89 | - 6.0 | 2.6/31.3 | 24585 |
| 1993 FY ₂₂ | 95 08 27.0 | 22 21.29 | -16 08.8 | 18.0 | -0.83 | - 2.5 | 1.7/25.4 | 23524 | 1981 ER ₂₁ | 95 09 02.3 | 22 44.16 | -08 34.1 | 16.9 | -0.69 | - 6.2 | 0.2/02.2 | 21967 |
| 1993 FL ₁₅ | 95 08 27.0 | 22 21.39 | -16 23.2 | 16.4 | -0.78 | - 4.9 | 2.0/25.1 | 23523 | 1990 VZ | 95 09 02.4 | 22 44.38 | -12 30.0 | 15.8 | -0.80 | - 4.3 | 1.6/32.0 | 23789 |
| 1990 US ₃ | 95 08 27.1 | 22 21.63 | -20 56.9 | 17.1 | -0.76 | - 5.3 | 3.6/23.6 | 23975 | 1153 T-2 | 95 09 02.4 | 22 44.41 | -07 47.6 | 17.5 | -0.71 | - 4.6 | 0.1/02.5 | 24409 |
| 3027 P-L | 95 08 27.2 | 22 22.04 | -00 41.1 | 16.3 | -0.92 | - 2.3 | 4.2/29.9 | 25539 | 1992 WV ₃ | 95 09 02.4 | 22 44.66 | -13 50.1 | 16.4 | -1.03 | - 3.5 | 2.4/31.8 | 22432 |
| 1990 QK ₇ | 95 08 27.3 | 22 22.39 | -09 22.7 | 16.4 | -0.72 | - 7.5 | 0.2/27.6 | 23515 | (5994) | 95 09 02.5 | 22 44.80 | -30 25.9 | 14.6 | -1.00 | + 1.2 | 9.6/27.3 | 23659 |
| 3288 T-2 | 95 08 27.3 | 22 22.43 | -13 22.6 | 18.3 | -0.76 | - 4.3 | 0.9/26.4 | 15729 | (6460) | 95 09 02.8 | 22 45.96 | -03 52.9 | 16.7 | -1.00 | - 4.9 | 1.5/04.0 | 25324 |
| 1105 T-1 | 95 08 27.7 | 22 23.86 | -04 13.7 | 18.0 | -0.79 | - 6.4 | 1.9/29.6 | 21121 | 1991 RS ₁ | 95 09 03.0 | 22 46.67 | -10 58.2 | 15.3 | -1.05 | - 1.1 | 1.2/02.2 | 22084 |
| (6153) | 95 08 27.7 | 22 23.96 | +11 56.7 | 14.3 | -0.67 | - 9.6 | 8.7/05.2 | 24224 | 1988 RV ₁ | 95 09 03.1 | 22 46.95 | -12 12.9 | 17.9 | -1.01 | - 4.1 | 1.7/01.8 | 22401 |
| 1990 UF | 95 08 27.9 | 22 24.71 | -02 52.0 | 15.8 | -0.71 | - 5.6 | 2.5/30.3 | 23538 | 1982 UT ₅ | 95 09 03.1 | 22 47.02 | -01 42.9 | 16.4 | -0.94 | - 6.6 | 2.5/05.0 | 22075 |
| (5933) | 95 08 28.1 | 22 25.41 | -10 05.0 | 15.2 | -0.94 | - 5.3 | 0.1/28.1 | 23498 | (5954) | 95 09 03.2 | 22 47.35 | -05 20.1 | 16.4 | -0.98 | - 3.5 | 0.8/03.9 | 23503 |
| 1986 SD | 95 08 28.1 | 22 25.42 | -10 37.0 | 15.9 | -0.86 | - 3.3 | 0.3/28.0 | 25537 | 1993 DT | 95 09 03.3 | 22 47.96 | +01 12.5 | 16.4 | -0.98 | - 1.7 | 3.6/05.8 | 25538 |
| 1991 JL | 95 08 28.3 | 22 25.86 | -03 40.8 | 17.2 | -0.93 | - 8.1 | 2.5/30.3 | 23247 | 1986 RT ₅ | 95 09 03.4 | 22 48.34 | -00 56.0 | 16.0 | -0.84 | - 3.6 | 2.6/05.5 | 22430 |
| (5935) | 95 08 28.5 | 22 26.58 | +02 02.9 | 16.8 | -0.78 | - 9.1 | 3.9/01.7 | 23499 | (6522) | 95 09 03.5 | 22 48.53 | +25 15.0 | 16.1 | -1.20 | + 0.6 | 12.5/13.9 | 25523 |
| 1978 SM ₅ | 95 08 28.7 | 22 27.50 | -16 28.2 | 16.5 | -0.88 | - 4.4 | 2.4/26.7 | 22073 | 1991 RA ₁ | 95 09 03.8 | 22 49.74 | +00 43.1 | 15.8 | -1.06 | + 2.5 | 3.8/05.7 | 19034 |
| (5959) | 95 08 28.8 | 22 28.06 | -18 32.8 | 15.1 | -0.69 | - 9.3 | 2.8/25.6 | 23504 | 1990 QY ₈ | 95 09 03.9 | 22 49.93 | -11 16.0 | 16.8 | -0.77 | - 5.7 | 1.2/02.7 | 24229 |
| 1981 EB ₁₅ | 95 08 28.9 | 22 28.00 | -05 21.8 | 19.2 | -0.87 | - 4.9 | 1.4/30.2 | 22697 | 1988 VO ₅ | 95 09 03.9 | 22 50.11 | -19 09.1 | 17.5 | -0.99 | - 5.0 | 4.2/31.3 | 25537 |
| 6114 P-L | 95 08 28.9 | 22 28.46 | -15 01.5 | 17.8 | -0.99 | - 1.3 | 1.8/27.6 | 21978 | 1097 T-3 | 95 09 04.1 | 22 50.70 | +07 11.0 | 17.1 | -0.80 | - 4.9 | 5.3/08.9 | 24405 |
| 1982 UX ₅ | 95 08 29.0 | 22 28.67 | -03 23.5 | 17.3 | -0.84 | - 4.2 | 2.1/30.9 | 22697 | 1981 EL ₃₂ | 95 09 04.5 | 22 52.37 | -06 50.4 | 18.5 | -1.03 | - 0.4 | 0.1/04.7 | 22430 |
| 1984 UK ₁ | 95 08 29.1 | 22 28.74 | -03 38.7 | 17.5 | -0.90 | - 5.6 | 2.1/30.9 | 25537 | 1981 WF ₉ | 95 09 04.6 | 22 52.52 | +01 58.1 | 16.8 | -0.79 | - 8.4 | 4.1/07.9 | 16695 |
| 1979 MY ₂ | 95 08 29.6 | 22 30.63 | -01 38.3 | 18.1 | -0.89 | - 5.6 | 2.7/01.0 | 23535 | (6033) | 95 09 04.7 | 22 53.06 | +13 33.6 | 16.7 | -0.68 | - 7.1 | 6.3/12.8 | 23771 |
| 1992 CT ₂ | 95 08 29.7 | 22 31.21 | -03 58.7 | 17.6 | -0.76 | - 4.7 | 1.7/31.5 | 20341 | 2416 T-3 | 95 09 04.8 | 22 53.28 | -04 45.1 | 16.3 | -0.93 | - 5.5 | 0.8/05.6 | 22702 |
| 1991 PT ₁₀ | 95 08 29.8 | 22 31.31 | -03 26.1 | 15.9 | -0.77 | - 2.6 | 2.9/31.5 | 19869 | 4343 T-3 | 95 09 04.9 | 22 53.68 | -02 57.0 | 17.6 | -0.75 | - 7.1 | 1.1/06.4 | 22702 |
| 1994 GD ₁ | 95 08 30.0 | 22 32.44 | -26 08.7 | 17.6 | -0.86 | - 4.0 | 5.0/24.8 | 23791 | (6026) | 95 09 05.0 | 22 54.10 | -03 35.9 | 16.7 | -0.77 | - 5.6 | 1.1/06.2 | 23666 |
| 2610 T-3 | 95 08 30.2 | 22 32.92 | -07 50.5 | 18.4 | -0.94 | - 4.9 | 0.5/30.6 | 22088 | 1981 ED ₂₂ | 95 09 05.2 | 22 54.80 | -06 04.8 | 18.9 | -0.83 | - 6.0 | 0.3/05.6 | 23535 |
| 2134 T-3 | 95 08 30.5 | 22 34.12 | -09 44.1 | 17.2 | -0.91 | - 3.0 | 0.2/30.4 | 23534 | 1991 SJ ₁ | 95 09 05.2 | 22 54.89 | -04 47.6 | 16.6 | -0.77 | - 9.4 | 0.7/06.1 | 24119 |
| 1981 EW ₉ | 95 08 30.6 | 22 34.47 | -05 56.6 | 16.9 | -1.01 | - 1.9 | 1.5/31.5 | 25536 | 1993 BF ₃ | 95 09 05.3 | 22 55.01 | -05 30.7 | 17.2 | -0.91 | - 4.0 | 0.5/05.8 | 24583 |
| 1979 MH ₆ | 95 08 30.8 | 22 35.19 | -19 04.1 | 19.2 | -0.75 | - 6.7 | 3.0/27.4 | 15701 | 1991 PM ₁₁ | 95 09 05.4 | 22 55.20 | -04 06.8 | 14.5 | -0.88 | - 1.0 | 1.4/06.2 | 22084 |
| (5844) | 95 08 30.8 | 22 35.24 | -03 46.0 | 15.3 | -0.91 | - 6.0 | 2.6/01.5 | 23117 | 1982 SL ₁ | 95 09 05.5 | 22 55.96 | -01 22.9 | 15.8 | -0.79 | - 8.8 | 2.7/07.5 | 25438 |
| 9512 P-L | 95 08 30.9 | 22 35.50 | -10 27.5 | 16.5 | -1.01 | - 6.7 | 0.6/30.5 | 25442 | 1977 NK | 95 09 05.6 | 22 56.18 | -13 38.2 | 15.4 | -0.82 | - 8.9 | 3.1/03.3 | 25438 |
| (5984) | 95 08 31.1 | 22 36.31 | -15 33.5 | 16.8 | -0.91 | - 7.1 | 2.6/29.0 | 23510 | (6040) | 95 09 05.7 | 22 56.70 | -06 35.5 | 18.0 | -0.90 | - 6.4 | 0.1/05.8 | 23773 |
| 1989 SD | 95 08 31.3 | 22 36.90 | -13 02.0 | 15.7 | -0.99 | - 4.5 | 2.2/30.1 | 22081 | 1981 EW ₂₁ | 95 09 05.8 | 22 56.73 | -05 11.6 | 17.6 | -0.85 | - 5.5 | 0.5/06.3 | 25225 |
| 1987 SG ₂ | 95 08 31.3 | 22 36.94 | -06 48.7 | 16.8 | -0.83 | - 7.7 | 0.7/32.0 | 25339 | 1986 GD | 95 09 05.9 | 22 57.26 | -17 39.9 | 18.1 | -0.95 | - 4.4 | 3.5/02.6 | 22271 |
| 4190 T-3 | 95 08 31.3 | 22 36.95 | -23 27.0 | 17.0 | -0.91 | - 4.6 | 4.8/26.6 | 23681 | (5957) | 95 09 05.9 | 22 57.38 | -13 47.6 | 16.4 | -0.66 | -10.1 | 2.0/03.3 | 23504 |
| 1981 ER ₁₈ | 95 08 31.4 | 22 37.32 | -09 51.4 | 18.7 | -0.93 | - 3.8 | 0.4/31.1 | 22429 | 1992 UH ₃ | 95 09 06.1 | 22 57.94 | -13 05.9 | 16.0 | -1.09 | - 2.9 | 2.9/04.3 | 21274 |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| 1981 JE ₃ | 95 09 06.2 | 22 58.31 | -05 03.9 | 17.5 | -0.84 | - 5.6 | 0.5/06.7 | 21968 | 1994 GO ₁ | 95 09 12.9 | 23 22.34 | -09 34.1 | 14.8 | -0.64 | -14.1 | 2.2/10.6 | 25442 |
| (5948) | 95 09 06.4 | 22 59.18 | -21 34.4 | 17.8 | -0.87 | - 4.6 | 4.5/01.6 | 23502 | 1968 OH | 95 09 13.0 | 23 22.69 | +17 35.8 | 16.5 | -0.84 | - 4.1 | 8.5/20.7 | 25536 |
| 1948 AA | 95 09 06.5 | 22 59.54 | +34 48.1 | 18.1 | -1.12 | - 1.4 | 13.7/22.2 | 23682 | 1981 DF | 95 09 13.0 | 23 22.91 | +02 59.3 | 17.2 | -0.81 | - 2.1 | 2.0/15.2 | 19857 |
| 4193 T-1 | 95 09 06.7 | 23 00.06 | -10 55.5 | 17.3 | -0.90 | - 7.0 | 1.9/05.2 | 22432 | 4217 T-1 | 95 09 13.1 | 23 23.28 | -09 01.1 | 19.2 | -0.90 | - 5.9 | 1.7/11.5 | 23987 |
| 1992 YN | 95 09 06.8 | 23 00.52 | +03 45.4 | 15.8 | -0.92 | - 5.1 | 4.1/10.0 | 21800 | 4049 P-L | 95 09 13.2 | 23 23.45 | +01 11.5 | 17.1 | -0.67 | - 6.6 | 1.5/15.1 | 23866 |
| 3160 T-2 | 95 09 06.9 | 23 00.82 | -07 05.0 | 16.6 | -0.67 | - 8.2 | 0.2/06.7 | 24404 | 1994 EM ₁ | 95 09 13.3 | 23 24.01 | -10 51.2 | 16.5 | -0.93 | - 5.5 | 2.6/11.2 | 23539 |
| 1991 HC | 95 09 06.9 | 23 00.82 | -15 32.8 | 15.8 | -0.95 | - 5.9 | 4.1/04.0 | 23238 | (6068) | 95 09 13.4 | 23 24.38 | +06 47.8 | 16.7 | -0.71 | - 6.3 | 3.2/17.3 | 23855 |
| 1988 CG ₇ | 95 09 06.9 | 23 01.02 | +06 29.6 | 17.3 | -0.77 | - 6.4 | 4.7/11.4 | 23513 | 1936 SO | 95 09 13.6 | 23 25.00 | +15 24.8 | 14.3 | -1.85 | + 9.9 | 10.1/16.1 | 23346 |
| 1992 UX ₅ | 95 09 07.1 | 23 01.37 | -06 53.7 | 15.9 | -0.90 | - 8.3 | 0.2/06.9 | 23520 | 1990 ES ₁ | 95 09 13.7 | 23 25.06 | +07 42.9 | 17.4 | -0.94 | - 4.4 | 4.5/17.4 | 21974 |
| 1989 YG ₈ | 95 09 07.5 | 23 03.10 | -14 10.2 | 17.8 | -0.99 | - 6.5 | 3.1/05.0 | 16879 | 1993 FR ₅₈ | 95 09 13.7 | 23 25.45 | -02 08.2 | 17.0 | -0.79 | - 5.2 | 0.5/14.3 | 23675 |
| 1990 EC ₁ | 95 09 07.5 | 23 03.17 | +04 33.4 | 18.5 | -0.84 | - 8.3 | 3.7/11.4 | 23514 | 1994 JS ₁ | 95 09 13.9 | 23 25.91 | -04 33.8 | 18.6 | -0.78 | - 8.9 | 0.2/13.6 | 23992 |
| 4843 T-1 | 95 09 07.6 | 23 03.51 | -13 17.9 | 19.2 | -0.76 | - 3.6 | 2.0/05.4 | 21124 | 1982 UQ ₁₀ | 95 09 13.9 | 23 26.00 | -07 07.0 | 17.2 | -0.92 | - 4.7 | 1.3/12.9 | 22271 |
| 1981 EC ₈ | 95 09 07.8 | 23 04.00 | +04 21.4 | 15.4 | -0.71 | - 6.2 | 5.5/11.5 | 22270 | 1993 BN | 95 09 13.9 | 23 26.15 | +04 57.5 | 17.2 | -0.89 | - 3.2 | 2.7/16.6 | 22086 |
| 1978 RX ₇ | 95 09 07.8 | 23 04.13 | -01 46.8 | 17.3 | -0.94 | - 3.8 | 1.5/09.1 | 22270 | 1991 NP | 95 09 14.1 | 23 26.72 | +37 53.5 | 15.5 | -1.19 | 0.0 | 15.5/30.4 | 25440 |
| 3297 T-2 | 95 09 07.9 | 23 04.50 | -12 32.2 | 17.3 | -0.97 | - 4.7 | 2.4/06.0 | 25540 | 1981 EZ ₂₅ | 95 09 14.1 | 23 26.87 | -06 27.9 | 15.4 | -1.05 | + 2.3 | 1.0/13.5 | 23788 |
| 1991 UV ₂ | 95 09 08.0 | 23 04.84 | -33 24.7 | 15.6 | -0.95 | - 1.8 | 12.5/29.0 | 19513 | 1981 UA | 95 09 14.4 | 23 27.56 | -40 42.1 | 17.4 | -2.13 | +12.8 | 19.7/06.9 | 15706 |
| (5925) | 95 09 08.3 | 23 05.91 | -13 29.3 | 16.5 | -0.96 | - 5.3 | 2.7/06.0 | 23335 | 1992 WT ₂ | 95 09 14.4 | 23 27.94 | -11 23.9 | 15.1 | -0.89 | - 7.1 | 3.4/11.8 | 23539 |
| 1980 DL | 95 09 08.6 | 23 06.78 | -04 11.0 | 18.6 | -0.89 | - 4.5 | 0.5/09.1 | 25536 | 1993 FJ ₂₂ | 95 09 14.5 | 23 27.99 | -03 55.2 | 17.1 | -0.73 | - 4.5 | 0.1/14.4 | 25428 |
| 1991 RN ₁₁ | 95 09 08.8 | 23 07.67 | -11 00.8 | 16.8 | -0.88 | - 6.7 | 2.3/07.0 | 21976 | 4240 T-2 | 95 09 14.6 | 23 28.37 | -10 42.9 | 16.6 | -0.90 | - 6.0 | 3.2/12.2 | 22088 |
| 1985 QM ₅ | 95 09 08.8 | 23 07.87 | -06 51.1 | 16.5 | -0.74 | - 5.8 | 0.5/08.5 | 18426 | 1981 EQ ₃₁ | 95 09 14.6 | 23 28.46 | -03 53.4 | 19.1 | -0.70 | - 6.5 | 0.1/14.5 | 23788 |
| 1981 EE ₁₈ | 95 09 08.9 | 23 07.90 | -07 03.0 | 19.5 | -0.77 | - 3.6 | 0.4/08.5 | 21967 | (5921) | 95 09 14.6 | 23 28.65 | -00 35.1 | 15.5 | -1.04 | - 4.7 | 1.2/15.5 | 23334 |
| 1981 EV ₂₉ | 95 09 09.1 | 23 08.79 | +09 01.0 | 19.2 | -0.78 | - 8.6 | 4.9/14.6 | 23535 | 7609 P-L | 95 09 14.8 | 23 29.21 | -14 09.7 | 17.0 | -1.02 | - 3.2 | 4.6/11.7 | 24120 |
| 1980 UU ₁ | 95 09 09.3 | 23 09.37 | -03 16.3 | 15.4 | -0.89 | - 4.5 | 1.0/10.0 | 20628 | 1964 VZ ₂ | 95 09 14.8 | 23 29.29 | -07 58.0 | 16.8 | -0.81 | - 5.0 | 1.5/13.3 | 23967 |
| 1050 T-2 | 95 09 09.4 | 23 09.72 | -01 44.3 | 17.8 | -0.70 | - 7.4 | 1.1/10.7 | 22432 | 1992 YE | 95 09 14.8 | 23 29.37 | +08 04.7 | 16.3 | -1.00 | - 2.9 | 5.1/18.2 | 22488 |
| 1981 ES ₂₃ | 95 09 09.7 | 23 10.77 | -05 48.5 | 18.2 | -0.84 | - 6.1 | 0.2/09.5 | 21931 | 1984 WA ₄ | 95 09 14.9 | 23 29.54 | -03 01.0 | 15.5 | -0.96 | - 3.3 | 0.1/15.0 | 25225 |
| 1994 CD ₈ | 95 09 09.9 | 23 11.78 | -00 05.6 | 16.6 | -0.93 | - 7.0 | 2.0/11.7 | 25083 | 1991 PW ₁₆ | 95 09 15.1 | 23 30.10 | -06 58.5 | 17.5 | -0.86 | - 7.0 | 1.5/13.8 | 22084 |
| 1985 PL ₁ | 95 09 10.0 | 23 12.17 | +03 08.0 | 17.5 | -0.70 | - 8.7 | 2.7/13.2 | 22698 | 1988 PV ₁ | 95 09 15.2 | 23 30.74 | +06 14.7 | 16.2 | -0.91 | - 3.6 | 4.6/18.2 | 22079 |
| 1985 TS ₁ | 95 09 10.1 | 23 12.50 | +07 46.0 | 16.4 | -0.79 | - 3.8 | 4.0/14.4 | 17631 | (5990) | 95 09 15.2 | 23 30.74 | -01 23.0 | 16.4 | -1.06 | - 3.4 | 0.7/15.8 | 23659 |
| 1990 RE ₅ | 95 09 10.2 | 23 12.58 | +00 17.6 | 16.6 | -0.86 | - 2.0 | 1.6/11.8 | 24118 | 1980 TK ₆ | 95 09 15.2 | 23 30.80 | +06 59.4 | 15.9 | -0.81 | - 7.7 | 4.2/18.9 | 21966 |
| (6028) | 95 09 10.3 | 23 13.15 | +03 51.9 | 15.8 | -0.93 | - 4.1 | 3.2/13.2 | 23667 | 4559 P-L | 95 09 15.4 | 23 31.19 | -03 03.4 | 17.4 | -0.72 | - 4.8 | 0.0/15.4 | 23540 |
| 1989 EC | 95 09 10.4 | 23 13.41 | +02 27.2 | 13.9 | -1.84 | + 9.6 | 4.0/11.3 | 24582 | 1991 RN | 95 09 15.4 | 23 31.44 | +04 19.9 | 14.8 | -0.96 | - 0.9 | 3.5/18.0 | 22084 |
| 1990 VR ₃ | 95 09 10.4 | 23 13.43 | -16 06.0 | 16.1 | -0.81 | - 3.4 | 3.5/06.9 | 25538 | 3285 T-2 | 95 09 15.5 | 23 31.91 | -11 01.7 | 15.4 | -0.85 | - 3.7 | 4.0/13.0 | 15257 |
| 1980 FZ ₃ | 95 09 10.5 | 23 13.69 | -05 48.0 | 16.1 | -1.11 | - 2.2 | 0.4/10.3 | 21965 | 1992 AF | 95 09 15.6 | 23 31.88 | +06 43.7 | 17.4 | -0.73 | - 5.5 | 2.6/19.0 | 22084 |
| 1990 OE ₅ | 95 09 10.5 | 23 13.76 | +07 13.6 | 17.1 | -0.81 | - 6.0 | 4.2/14.8 | 21574 | 1981 EW ₄₅ | 95 09 15.6 | 23 32.16 | +00 55.4 | 17.6 | -0.69 | - 5.9 | 1.2/17.1 | 17628 |
| 2218 T-1 | 95 09 10.6 | 23 14.25 | -12 42.6 | 15.6 | -0.92 | - 4.9 | 3.8/08.2 | 23540 | 1991 RP ₁₁ | 95 09 15.6 | 23 32.18 | -05 23.0 | 16.8 | -0.84 | - 6.0 | 1.0/14.9 | 23538 |
| 1986 TR ₂ | 95 09 10.7 | 23 14.29 | -22 52.6 | 16.3 | -0.91 | - 4.4 | 6.8/04.5 | 23122 | 1198 T-1 | 95 09 15.7 | 23 32.56 | +01 00.2 | 18.4 | -0.74 | - 4.0 | 1.1/17.1 | 19878 |
| 1981 ER ₂₃ | 95 09 11.2 | 23 16.26 | -07 37.6 | 19.3 | -0.87 | - 5.7 | 1.0/10.3 | 22074 | 1978 SC ₇ | 95 09 15.9 | 23 32.96 | -08 05.4 | 16.4 | -1.06 | - 0.1 | 2.1/14.6 | 22073 |
| 1991 TF ₄ | 95 09 11.2 | 23 16.28 | -07 48.0 | 15.3 | -0.89 | - 3.8 | 1.3/10.3 | 25330 | 1993 BP ₁₃ | 95 09 15.9 | 23 33.26 | +18 04.8 | 15.6 | -0.88 | - 4.4 | 6.8/23.1 | 23790 |
| 1969 TT ₁ | 95 09 11.2 | 23 16.29 | -07 56.0 | 15.8 | -0.90 | - 4.2 | 1.5/10.2 | 22270 | 1991 TG ₂ | 95 09 16.2 | 23 34.22 | -13 32.5 | 15.9 | -0.94 | - 3.3 | 5.0/12.8 | 23518 |
| (6022) | 95 09 11.2 | 23 16.37 | -13 49.0 | 16.2 | -0.99 | - 5.8 | 3.8/08.4 | 23665 | (6302) | 95 09 16.2 | 23 34.33 | -17 51.9 | 16.8 | -0.80 | - 7.7 | 4.7/10.8 | 25048 |
| 1991 RD ₇ | 95 09 11.4 | 23 17.08 | -15 18.2 | 15.3 | -1.22 | + 4.5 | 4.9/09.3 | 20822 | 1993 BO | 95 09 16.3 | 23 34.39 | -00 40.5 | 14.8 | -0.83 | - 7.3 | 0.9/17.0 | 23685 |
| 1175 T-1 | 95 09 11.5 | 23 17.17 | -00 36.9 | 15.9 | -0.81 | - 8.8 | 1.6/12.9 | 23791 | 5485 T-2 | 95 09 16.4 | 23 34.95 | +06 24.2 | 16.7 | -0.96 | - 4.1 | 3.7/19.2 | 24579 |
| 4166 T-1 | 95 09 11.5 | 23 17.54 | -14 46.5 | 18.0 | -0.86 | - 1.7 | 3.4/08.6 | 25436 | 1979 MA ₅ | 95 09 16.4 | 23 35.12 | +11 52.6 | 17.3 | -0.77 | - 4.8 | 4.9/21.5 | 22073 |
| 1982 FP ₃ | 95 09 11.7 | 23 18.16 | -07 59.2 | 17.3 | -0.72 | - 4.4 | 0.9/10.6 | 21968 | 1987 VB ₁ | 95 09 16.7 | 23 35.84 | -08 03.7 | 15.9 | -0.93 | - 1.5 | 2.6/15.1 | 20501 |
| (5991) | 95 09 12.2 | 23 19.73 | -09 35.7 | 17.7 | -0.93 | - 5.3 | 1.8/10.6 | 23659 | 1989 AE | 95 09 17.0 | 23 37.00 | +02 06.7 | 16.2 | -0.92 | - 4.9 | 2.0/18.0 | 23779 |
| 4139 P-L | 95 09 12.2 | 23 19.79 | -11 06.9 | 17.9 | -0.55 | - 1.5 | 1.2/10.0 | 24409 | 2197 P-L | 95 09 17.0 | 23 37.29 | +00 19.0 | 16.5 | -0.84 | - 8.0 | 1.1/18.1 | 23350 |
| 1991 PQ ₁₁ | 95 09 12.4 | 23 20.39 | +02 31.1 | 16.2 | -0.91 | - 3.6 | 2.7/14.5 | 21976 | 1994 GF ₉ | 95 09 17.1 | 23 37.62 | -04 55.2 | 16.9 | -0.95 | - 5.1 | 0.9/16.4 | 24914 |
| 1981 EO ₁₄ | 95 09 12.5 | 23 20.92 | +01 24.8 | 17.5 | -1.10 | + 1.8 | 2.4/13.9 | 22429 | 1990 RM ₁₇ | 95 09 17.3 | 23 37.97 | +01 19.0 | 15.4 | -0.89 | - 1.5 | 1.3/18.4 | 20926 |
| 1982 FX ₃ | 95 09 12.7 | 23 21.60 | -07 33.3 | 16.5 | -0.77 | - 3.5 | 1.0/11.6 | 22588 | 1981 EX ₄₁ | 95 09 17.3 | 23 37.99 | -01 23.3 | 15.5 | -0.73 | - 5.2 | 0.3/17.6 | 23788 |
| 1981 EF ₂₆ | 95 09 12.8 | 23 22.00 | -03 08.2 | 16.7 | -0.67 | - 5.9 | 0.3/13.2 | 22271 | 1981 QQ ₂ | 95 09 17.3 | 23 38.08 | -08 45.0 | 17.0 | -0.83 | - 8.7 | 2.8/15.1 | 22430 |
| 1993 FE ₂₆ | 95 09 12.9 | 23 22.31 | +03 05.6 | 18.3 | -0.79 | - 7.1 | 2.3/15.4 | 23525 | 1990 UE ₃ | 95 09 17.3 | 23 38.17 | -06 39.5 | 16.2 | -0.79 | - 4.1 | 1.3/15.9 | 25538 |