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Minor Planet Center, Smithsonian Astrophysical Observatory, Cambridge, MA 02138, U.S.A.

IAUSUBS@CFA.HARVARD.EDU or FAX 617-495-7231 (subscriptions)

BMARSDEN@CFA.HARVARD.EDU or GWILLIAMS@CFA.HARVARD.EDU (science)

Phone 617-495-7244/7440/7444 (for emergency use only).

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Brian G. Marsden, Director

Gareth V. Williams, Associate Director

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Syuichi Nakano, Liaison in Japan

ERRATA

| MPC | Line | |
|-------|------|--|
| 6640 | 7 | For 1943 BB read 1933 BB |
| 14773 | -17 | For MPC 11835 read MPC 11853 |
| 16010 | -7 | For MPC 15248 read MPC 15240 |
| 16408 | -1 | Add W. Landgraf |
| 20859 | 14 | The identification 1946 WA = (1475) had originally been proposed by O. Kippes on MPC 767 but was apparently rejected (because of the unavailability of precise positions) on MPC 1185. |
| 23334 | 39 | For (MPC 19983, read (d, MPC 19983; |
| 26601 | 5 | For E. Mayer read E. Meyer |
| 26763 | -29 | For (1886-1933) read (1896-1933) |
| 26782 | -44 | For E. Mayer read E. Meyer |
| 26948 | 26 | For E. Mayer read E. Meyer |
| 27148 | 15 | For E. Mayer read E. Meyer |
| 27148 | 39 | Remove Measured by T. Oribe. |
| 27312 | 16 | The identification 1993 TU ₁₅ = 1996 HA ₁₄ is to be discarded, and the one-opposition orbit for 1993 TU ₁₅ (MPC 23108) is to be reinstated. |
| 27348 | 7 | For E. Mayer read E. Meyer |
| 27431 | 18 | For (3244) Petroneus read (3244) Petronius |
| 27460 | -35 | For Alice K. (Babcock) Monet read Alice K. B. Monet |
| 27461 | -35 | For Saturn and Uranus read Uranus and Neptune |
| 27462 | 49 | For photographic observation read photographic observation in Japan |
| 27462 | -48 | For of the same total solar eclipse read of total solar eclipses |

NEW OBSERVATORY CODES

The following listing is a continuation to that on MPC 27347. 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 | $\rho \cos \phi'$ | $\rho \sin \phi'$ | |
|------|-----------|-------------------|-------------------|--------------------|
| 624 | 9.6167 | 0.64723 | +0.75977 | Dertingen |
| 823 | 288.1691 | 0.73715 | +0.67354 | Fitchburg |
| 964 | 358.8433 | 0.62471 | +0.77826 | Southend Bradfield |

CORRECTED OBSERVATIONS

The following observations correct those previously published.

| Object | Date | UT | α_{2000} | δ_{2000} | Reference | Mag. | N Obs. |
|----------------------|--------------------|----|-----------------|-----------------|-----------|--------|--------|
| 1991 GZ ₄ | 1991 05 19.22569 | | 12 56 18.03 | -05 50 22.2 | MPC 18351 | 17.4 R | 776 |
| 1991 GZ ₄ | 1991 05 20.17986 | | 12 56 06.39 | -05 50 18.3 | MPC 18351 | | 776 |
| 1991 GZ ₄ | 1991 05 20.22083 | | 12 56 05.92 | -05 50 18.9 | MPC 18351 | | 776 |
| 1991 GZ ₄ | 1991 05 21.12361 | | 12 55 56.87 | -05 50 22.7 | MPC 18351 | | 776 |
| 1991 GZ ₄ | 1991 05 20.26181 | | 12 56 05.38 | -05 50 18.0 | MPC 18351 | | 776 |
| 1991 HA | * 1991 04 17.29948 | | 12 56 18.52 | -05 49 02.2 | MPC 18209 | 16.2 R | 1 776 |
| 1991 HA | 1991 04 17.31678 | | 12 56 17.64 | -05 48 56.2 | MPC 18209 | | 3 776 |
| 1991 HA | 1991 05 19.19155 | | 12 40 20.61 | -03 42 15.8 | MPC 18351 | | 3 776 |

Note 1: 1991 HA = (6452). 2: time corrected. 3 = 1 + 2.

DELETED OBSERVATIONS

The following observations are to be deleted.

| Object | Date | UT | α_{2000} | δ_{2000} | Reference | N Obs. |
|---------|------------------|----|-----------------|-----------------|-----------|--------|
| 1938 UR | 1938 10 22.91939 | | 01 43 49.23 | +09 15 51.8 | RI 1894 | 1 028 |
| 1942 EF | 1942 03 12.97240 | | 12 11 00.82 | -02 00 11.3 | RI 2390 | 2 028 |
| (107) | 1944 06 25.96707 | | 18 11 35.64 | -09 57 58.6 | RI 2560 | 028 |
| (569) | 1956 05 18.04097 | | 17 45 06.97 | -24 43 49.4 | MPC 1538 | 076 |
| (660) | 1941 04 04.03680 | | 13 41 47.89 | +07 43 10.1 | RI 2296 | 028 |
| (1354) | 1969 07 16.91597 | | 20 01 02.87 | -30 41 26.3 | MPC 3042 | 076 |

Note 1: 1938 UR = (1091). 2: 1942 EF = (2367).

IDENTIFICATION CHANGES

Continuation to MPC 27347.

| Object | Date | UT | α_{2000} | δ_{2000} | Originally | Mag. | N Obs. |
|----------------------|--------------------|----|-----------------|-----------------|------------|------|--------|
| 1929 CL ₁ | * 1929 02 12.01383 | | 09 44.3 | +17 57.9 | 1929 CB | | 1 012 |
| 1929 CL ₁ | 1929 02 14.06873 | | 09 42.5 | +18 11.1 | 1929 CB | | 1 012 |

| | | | | | | |
|-----------------------|---|------------------|-------------|-------------|-----------------------|------------|
| 1978 RD ₁₇ | * | 1978 09 06.08576 | 23 06 25.38 | -07 15 50.2 | 1978 RZ ₃ | 809 |
| 1987 SK ₃₀ | * | 1987 09 24.90455 | 00 00 32.96 | -07 00 06.2 | 1987 RR ₅ | 095 |
| 1988 NK ₁ | * | 1988 07 14.37274 | 19 39 07.02 | -06 25 32.4 | 1988 NG | 675 |
| 1992 LJ ₃ | * | 1992 06 03.13889 | 16 10 51.34 | -15 57 43.4 | 1992 LB ₁ | 18.8 809 |
| 1992 LJ ₃ | | 1992 06 03.15208 | 16 10 50.47 | -15 57 41.2 | 1992 LB ₁ | 809 |
| 1992 LJ ₃ | | 1992 06 03.16528 | 16 10 49.69 | -15 57 39.2 | 1992 LB ₁ | 809 |
| 1993 TZ ₄₇ | * | 1993 10 10.90179 | 01 39 02.51 | +12 55 28.2 | 1993 TL ₁₁ | 046 |
| 1993 UC ₉ | * | 1993 10 22.27743 | 01 01 07.25 | +07 03 38.4 | 1993 TG ₄₇ | 809 |
| 1993 UC ₉ | | 1993 10 22.29826 | 01 01 06.22 | +07 03 32.0 | 1993 TG ₄₇ | 809 |
| 1993 UC ₉ | | 1993 10 22.31910 | 01 01 05.14 | +07 03 26.3 | 1993 TG ₄₇ | 809 |
| 1993 UD ₉ | * | 1993 10 22.21424 | 00 52 41.58 | +04 44 17.5 | 1993 TB ₄₅ | 18.5 809 |
| 1993 UD ₉ | | 1993 10 22.23507 | 00 52 40.27 | +04 44 15.4 | 1993 TB ₄₅ | 809 |
| 1993 UD ₉ | | 1993 10 22.25590 | 00 52 38.93 | +04 44 14.3 | 1993 TB ₄₅ | 809 |
| 1994 EB ₉ | * | 1994 03 12.88237 | 09 05 52.96 | +21 21 21.9 | 1994 EX ₂ | 098 |
| 1994 EB ₉ | | 1994 03 12.90266 | 09 05 52.25 | +21 21 25.3 | 1994 EX ₂ | 098 |
| 1994 JO ₉ | * | 1994 05 10.88576 | 13 27 30.14 | -03 29 27.3 | 1994 JM ₈ | 104 |
| 1994 JO ₉ | | 1994 05 10.88889 | 13 27 29.99 | -03 29 27.0 | 1994 JM ₈ | 104 |
| 1994 JO ₉ | | 1994 05 10.89259 | 13 27 29.87 | -03 29 26.8 | 1994 JM ₈ | 104 |
| 1994 JO ₉ | | 1994 05 10.89514 | 13 27 29.78 | -03 29 26.7 | 1994 JM ₈ | 104 |
| 1994 LG ₁₀ | * | 1994 06 07.25382 | 14 46 36.21 | -07 02 26.4 | 1994 JF ₉ | 675 |
| 1995 CT ₁₀ | * | 1995 02 04.27729 | 09 09 46.57 | +12 53 31.0 | 1995 CO ₅ | 691 |
| 1995 CT ₁₀ | | 1995 02 04.28529 | 09 09 46.19 | +12 53 33.7 | 1995 CO ₅ | 20.4 V 691 |
| 1995 CT ₁₀ | | 1995 02 04.29325 | 09 09 45.84 | +12 53 36.2 | 1995 CO ₅ | 691 |

Note 1: 1929 CB = (4398).

IDENTIFICATIONS

The following identifications with numbered minor planets, by G. V. Williams, continue the list on *MPC* 26782:

| | | | | | | | | |
|-----------------------|---|--------|----------------------|---|--------|-----------------------|---|--------|
| 1929 CL ₁ | = | (2417) | 1933 BF | = | (3622) | 1987 SK ₃₀ | = | (4033) |
| 1987 WW ₅ | = | (3779) | 1993 PE ₆ | = | (3891) | 1993 TL ₁₁ | = | (4762) |
| 1993 TB ₄₅ | = | (4728) | 1993 UC ₉ | = | (4876) | 1994 JF ₉ | = | (5453) |

OBSERVATIONS OF COMETS

Observations are published here for the following observatory codes:

| | | |
|-----|-------------|--|
| 017 | Hoher List. | 1-m reflector + CCD. Observers J. Sanner and J. Schmoll. Measured by A. Dieball, U. Grünwald, J. Sanner and M. Geffert. |
| 046 | Kleť. | 0.57-m <i>f</i> /5.2 reflector + CCD. Observers J. Tichá, M. Tichý and Z. Moravec. |
| 107 | Cavezzo. | 0.40-m <i>f</i> /5.5 reflector + CCD. Observers R. Calanca, R. Bonomi, F. Manenti, M. Fusari, M. Facchini and M. Nicolini. |
| 108 | Montelupo. | 0.30-m <i>f</i> /5.7 Schmidt-Cassegrain + CCD. Observers M. Tombelli and G. Forti. |
| 113 | Drebach. | 0.18-m <i>f</i> /9 refractor + CCD. Observer G. Lehmann. Measured by G. Lehmann and J. Kandler. |
| 117 | Sendling. | 0.20-m <i>f</i> /10 reflector + CCD. Observer H. Beuchat. |
| 118 | Modra. | 0.6-m <i>f</i> /5.5 reflector + CCD. Observers A. Galád and A. Pravda. |
| 353 | Nishi Kobe. | 0.25-m <i>f</i> /6.3 Schmidt-Cassegrain + CCD. Observer K. Ito. |
| 357 | Shimotsuma. | 0.25-m Schmidt-Cassegrain <i>f</i> /4.0 + CCD. Observer T. Hata. |

| | | |
|-----|---|---|
| 360 | Kuma Kogen. | 0.60-m <i>f</i> /6.0 Ritchey-Chrétien + CCD. Observer A. Nakamura. |
| 367 | Yatsuka. | H. Abe. 0.26-m <i>f</i> /6.0 reflector + CCD. |
| 388 | Mitaka. | 0.50-m reflector + CCD. Observers H. Fukushima, N. Yamamoto and I. Sato. Measured by I. Sato. |
| 413 | Siding Spring. | 1.0-m reflector + CCD. Observers R. H. McNaught, G. J. Garradd and D. I. Steel. Measured by R. H. McNaught and G. J. Garradd. |
| 421 | Kajigamori. | 0.60-m <i>f</i> /4.0 reflector + CCD. Observer K. Muraoka. |
| 422 | Loomberah. | 0.25-m <i>f</i> /4.1 reflector + CCD. Observer G. J. Garradd. |
| 540 | Linz. | 0.3-m <i>f</i> /5.2 Schmidt-Cassegrain + CCD. Observers E. Meyer and H. Raab. |
| 557 | Ondřejov. | 0.65-m <i>f</i> /3.6 reflector + CCD. Observers P. Pravec and L. Šarounová. |
| 560 | Madonna di Dossobuono. | 0.40-m <i>f</i> /3.5 reflector + CCD. Observers L. Lai, I. Rocchetti and G. Vesentini. |
| 587 | Sormano. | 0.5-m reflector + CCD. Observers F. Manca, V. Giuliani, P. Chiavenna, P. Ghezzi and M. Cavagna. |
| 595 | Farra d'Isonzo. | 0.4-m <i>f</i> /4.5 reflector + CCD. Observers G. Lombardi, E. Pettarin, A. Toso, W. Boschin, L. Bittesini, F. Piani, G. Ierman and L. Drigo. |
| 596 | Colleverde di Guidonia. | 0.40-m <i>f</i> /3.0 reflector + CCD. Observer V. Casulli. |
| 605 | Marl. | 0.2-m reflector + CCD. Observer E. Jung. |
| 610 | Pianoro. | 0.25-m <i>f</i> /4 Schmidt-Cassegrain. Observer V. Goretti. |
| 617 | Arbonne la Forêt. | 0.20-m <i>f</i> /6 reflector + CCD. Observer M. Meunier. |
| 619 | Sabadell. | 0.51-m <i>f</i> /3.9 reflector + CCD. Observers F. Cassarramona, E. Vigil and X. Puig. |
| 624 | Dertingen. | 0.20-m <i>f</i> /5 reflector. Observer J. Shaefer. |
| 658 | Dominion Astrophysical Observatory, Victoria. | 1.82-m Plaskett telescope + CCD. Observer D. D. Balam. |
| 696 | Mt. Hopkins. | 1.2-m telescope + CCD. Observers P. Garnavich and C. W. Hergenrother. Measured by G. V. Williams and C. W. Hergenrother. |
| 709 | Cloudcroft. | 0.60-m <i>f</i> /7 Ritchey-Chrétien + CCD. Observer W. Offutt. |
| 801 | Oak Ridge. | 1.5-m reflector + CCD. Observer R. E. McCrosky. |
| 817 | Sudbury. | 0.41-m Schmidt-Cassegrain. Observer D. di Cicco. |
| 834 | Buenos Aires-AAAA. | 0.3-m <i>f</i> /6 reflector + CCD and 0.028-m <i>f</i> /3.6 refractor + CCD. Observers R. Mackintosh, G. D. Rodriguez and R. Caprio. Measured by R. Mackintosh and G. D. Rodriguez. |
| 864 | Kumamoto Civil Astronomical Observatory. | 0.41-m <i>f</i> /5.0 reflector + CCD. Observer J. Kobayashi. |
| 871 | Akou. | 0.33-m <i>f</i> /3.3 reflector + CCD. Observer K. Kawanishi. |
| 897 | YGCO Chiyoda Observatory. | 0.25-m <i>f</i> /6.0 reflector + CCD. Observer T. Kojima. |
| 900 | Moriyama. | 0.25-m <i>f</i> /6.3 reflector + CCD. Observer Y. Ikari. |
| 965 | Algarve. | 0.5-m reflector + CCD. Observers B. Ewen-Smith and D. Farley. |

| Object | Date | UT | α_{2000} | δ_{2000} | Mag. | N Obs. |
|------------------------------|---------|----------|-----------------|-----------------|-------|--------|
| C/1995 O1 (Hale-Bopp) | | | | | | |
| C/1995 O1 | 1996 04 | 21.79410 | 19 45 03.29 | -18 04 42.0 | | 372 |
| C/1995 O1 | 1996 05 | 12.79687 | 19 40 30.07 | -16 24 08.8 | | 372 |
| C/1995 O1 | 1996 05 | 15.73292 | 19 39 11.73 | -16 09 28.7 | 7.7 T | 372 |
| C/1995 O1 | 1996 05 | 22.78507 | 19 35 18.98 | -15 33 31.6 | | 372 |

| | | | | | | | | | | | |
|-----------|------------------|-------------|-------------|-------|-----|-----------|------------------|-------------|-------------|--------|-----|
| C/1995 O1 | 1996 05 24.66701 | 19 34 06.14 | -15 23 46.0 | 8 T | 372 | C/1995 O1 | 1996 07 05.02647 | 18 49 07.40 | -11 29 38.2 | | 118 |
| C/1995 O1 | 1996 05 25.68162 | 19 33 24.93 | -15 18 27.5 | | 421 | C/1995 O1 | 1996 07 05.03258 | 18 49 06.85 | -11 29 36.3 | | 118 |
| C/1995 O1 | 1996 05 25.68935 | 19 33 24.63 | -15 18 24.4 | | 421 | C/1995 O1 | 1996 07 06.55050 | 18 46 57.46 | -11 20 31.3 | 8.0 T | 421 |
| C/1995 O1 | 1996 05 25.70397 | 19 33 24.03 | -15 18 20.0 | | 421 | C/1995 O1 | 1996 07 06.55370 | 18 46 57.19 | -11 20 29.6 | | 421 |
| C/1995 O1 | 1996 06 04.16501 | 19 25 54.22 | -14 27 42.6 | | 834 | C/1995 O1 | 1996 07 06.55525 | 18 46 57.05 | -11 20 28.9 | 11.6 N | 421 |
| C/1995 O1 | 1996 06 04.19476 | 19 25 52.58 | -14 27 32.7 | | 834 | C/1995 O1 | 1996 07 08.91508 | 18 43 33.84 | -11 06 19.7 | 8.5 T | 605 |
| C/1995 O1 | 1996 06 05.70370 | 19 24 29.83 | -14 19 21.4 | | 421 | C/1995 O1 | 1996 07 08.92347 | 18 43 33.13 | -11 06 17.3 | 8.5 T | 605 |
| C/1995 O1 | 1996 06 05.70947 | 19 24 29.49 | -14 19 19.6 | | 421 | C/1995 O1 | 1996 07 08.93061 | 18 43 32.49 | -11 06 14.3 | 8.3 T | 605 |
| C/1995 O1 | 1996 06 05.71257 | 19 24 29.30 | -14 19 19.3 | | 421 | C/1995 O1 | 1996 07 09.94015 | 18 42 04.88 | -11 00 14.6 | | 610 |
| C/1995 O1 | 1996 06 08.12516 | 19 22 11.09 | -14 05 56.2 | | 834 | C/1995 O1 | 1996 07 09.95053 | 18 42 03.96 | -11 00 11.4 | | 610 |
| C/1995 O1 | 1996 06 08.49627 | 19 21 49.10 | -14 03 54.4 | | 413 | C/1995 O1 | 1996 07 09.95984 | 18 42 03.14 | -11 00 08.6 | | 610 |
| C/1995 O1 | 1996 06 13.13174 | 19 17 00.35 | -13 37 51.9 | | 834 | C/1995 O1 | 1996 07 10.00733 | 18 41 58.96 | -10 59 52.1 | | 118 |
| C/1995 O1 | 1996 06 13.17422 | 19 16 57.58 | -13 37 38.5 | | 834 | C/1995 O1 | 1996 07 10.00958 | 18 41 58.74 | -10 59 50.3 | | 118 |
| C/1995 O1 | 1996 06 16.01969 | 19 13 47.07 | -13 21 30.0 | 9.0 T | 560 | C/1995 O1 | 1996 07 10.58837 | 18 41 08.52 | -10 56 23.0 | | 360 |
| C/1995 O1 | 1996 06 16.02625 | 19 13 46.52 | -13 21 29.3 | | 560 | C/1995 O1 | 1996 07 10.59115 | 18 41 08.27 | -10 56 22.0 | | 360 |
| C/1995 O1 | 1996 06 17.99141 | 19 11 29.50 | -13 10 06.8 | 9.4 T | 113 | C/1995 O1 | 1996 07 11.53755 | 18 39 45.90 | -10 50 43.6 | 11.8 N | 388 |
| C/1995 O1 | 1996 06 17.99875 | 19 11 29.12 | -13 10 02.2 | 8.9 T | 113 | C/1995 O1 | 1996 07 11.53986 | 18 39 45.69 | -10 50 43.0 | 11.9 N | 388 |
| C/1995 O1 | 1996 06 18.01056 | 19 11 28.18 | -13 09 59.5 | 9.1 T | 113 | C/1995 O1 | 1996 07 11.54222 | 18 39 45.46 | -10 50 42.3 | 12.0 N | 388 |
| C/1995 O1 | 1996 06 18.02980 | 19 11 26.84 | -13 09 50.4 | 9.0 T | 113 | C/1995 O1 | 1996 07 11.54456 | 18 39 45.27 | -10 50 41.4 | 12.0 N | 388 |
| C/1995 O1 | 1996 06 18.13909 | 19 11 19.12 | -13 09 14.2 | | 834 | C/1995 O1 | 1996 07 11.54694 | 18 39 45.07 | -10 50 40.7 | 12.0 N | 388 |
| C/1995 O1 | 1996 06 18.2547 | 19 11 10.80 | -13 08 34.2 | | 834 | C/1995 O1 | 1996 07 11.54933 | 18 39 44.85 | -10 50 39.6 | 12.0 N | 388 |
| C/1995 O1 | 1996 06 18.66349 | 19 10 41.68 | -13 06 18.1 | | 864 | C/1995 O1 | 1996 07 11.55171 | 18 39 44.64 | -10 50 39.0 | 12.0 N | 388 |
| C/1995 O1 | 1996 06 18.66682 | 19 10 41.46 | -13 06 17.0 | | 864 | C/1995 O1 | 1996 07 11.56894 | 18 39 43.21 | -10 50 31.9 | | 357 |
| C/1995 O1 | 1996 06 18.97500 | 19 10 19.33 | -13 04 30.7 | | 108 | C/1995 O1 | 1996 07 11.58528 | 18 39 41.74 | -10 50 26.5 | | 357 |
| C/1995 O1 | 1996 06 19.94426 | 19 09 08.94 | -12 58 52.5 | 7.9 T | 046 | C/1995 O1 | 1996 07 11.59693 | 18 39 40.72 | -10 50 21.8 | | 357 |
| C/1995 O1 | 1996 06 19.94663 | 19 09 08.76 | -12 58 51.7 | | 046 | C/1995 O1 | 1996 07 11.61227 | 18 39 39.31 | -10 50 16.0 | | 421 |
| C/1995 O1 | 1996 06 19.94869 | 19 09 08.60 | -12 58 50.8 | | 046 | C/1995 O1 | 1996 07 11.61994 | 18 39 38.61 | -10 50 13.9 | | 421 |
| C/1995 O1 | 1996 06 19.95137 | 19 09 08.40 | -12 58 49.9 | | 046 | C/1995 O1 | 1996 07 11.64741 | 18 39 36.23 | -10 50 03.2 | | 421 |
| C/1995 O1 | 1996 06 19.95372 | 19 09 08.23 | -12 58 49.0 | | 046 | C/1995 O1 | 1996 07 11.64863 | 18 39 36.20 | -10 50 02.7 | 11.2 N | 421 |
| C/1995 O1 | 1996 06 19.95581 | 19 09 08.06 | -12 58 48.2 | | 046 | C/1995 O1 | 1996 07 11.88462 | 18 39 15.74 | -10 48 38.3 | 9.4 T | 605 |
| C/1995 O1 | 1996 06 19.95837 | 19 09 07.87 | -12 58 47.4 | | 046 | C/1995 O1 | 1996 07 11.89598 | 18 39 14.74 | -10 48 33.5 | 9.1 T | 605 |
| C/1995 O1 | 1996 06 19.96351 | 19 09 07.45 | -12 58 46.1 | | 046 | C/1995 O1 | 1996 07 11.94748 | 18 39 10.20 | -10 48 15.3 | | 107 |
| C/1995 O1 | 1996 06 19.96572 | 19 09 07.26 | -12 58 45.1 | | 046 | C/1995 O1 | 1996 07 11.95763 | 18 39 09.20 | -10 48 10.4 | | 107 |
| C/1995 O1 | 1996 06 19.96795 | 19 09 07.07 | -12 58 44.0 | | 046 | C/1995 O1 | 1996 07 11.97201 | 18 39 08.04 | -10 48 05.8 | | 107 |
| C/1995 O1 | 1996 06 19.97078 | 19 09 06.84 | -12 58 43.1 | | 046 | C/1995 O1 | 1996 07 12.17808 | 18 38 49.98 | -10 46 53.9 | | 801 |
| C/1995 O1 | 1996 06 20.07779 | 19 08 59.38 | -12 58 01.9 | | 834 | C/1995 O1 | 1996 07 12.18815 | 18 38 49.07 | -10 46 50.0 | | 801 |
| C/1995 O1 | 1996 06 21.02672 | 19 07 49.61 | -12 52 30.1 | | 834 | C/1995 O1 | 1996 07 12.68177 | 18 38 05.91 | -10 43 54.2 | | 900 |
| C/1995 O1 | 1996 06 21.03677 | 19 07 48.87 | -12 52 25.8 | | 834 | C/1995 O1 | 1996 07 12.69378 | 18 38 04.86 | -10 43 50.0 | | 900 |
| C/1995 O1 | 1996 06 22.12322 | 19 06 27.71 | -12 46 07.4 | | 834 | C/1995 O1 | 1996 07 12.87556 | 18 37 49.16 | -10 42 45.7 | | 118 |
| C/1995 O1 | 1996 06 25.02594 | 19 02 45.27 | -12 29 09.1 | 9.0 T | 118 | C/1995 O1 | 1996 07 12.96846 | 18 37 40.93 | -10 42 09.9 | | 107 |
| C/1995 O1 | 1996 06 25.92456 | 19 01 35.04 | -12 23 49.2 | | 118 | C/1995 O1 | 1996 07 12.97292 | 18 37 40.57 | -10 42 09.1 | | 107 |
| C/1995 O1 | 1996 06 26.00330 | 19 01 28.69 | -12 23 24.0 | | 557 | C/1995 O1 | 1996 07 12.97834 | 18 37 40.16 | -10 42 07.3 | | 107 |
| C/1995 O1 | 1996 06 26.00854 | 19 01 28.28 | -12 23 22.1 | | 557 | C/1995 O1 | 1996 07 13.01429 | 18 37 36.95 | -10 41 56.2 | | 118 |
| C/1995 O1 | 1996 07 03.87420 | 18 50 45.40 | -11 36 16.7 | 6.1 T | 117 | C/1995 O1 | 1996 07 13.58304 | 18 36 47.26 | -10 38 33.4 | | 421 |
| C/1995 O1 | 1996 07 03.87853 | 18 50 45.01 | -11 36 16.4 | 6.1 T | 117 | C/1995 O1 | 1996 07 13.58576 | 18 36 47.00 | -10 38 32.5 | | 421 |
| C/1995 O1 | 1996 07 03.88816 | 18 50 43.94 | -11 36 27.3 | 8.5 T | 540 | C/1995 O1 | 1996 07 13.58692 | 18 36 46.94 | -10 38 30.9 | 11.2 N | 421 |
| C/1995 O1 | 1996 07 03.88978 | 18 50 43.85 | -11 36 27.6 | | 540 | C/1995 O1 | 1996 07 13.86343 | 18 36 22.83 | -10 36 53.6 | 9.6 T | 118 |
| C/1995 O1 | 1996 07 03.89128 | 18 50 43.68 | -11 36 26.4 | | 540 | C/1995 O1 | 1996 07 13.95802 | 18 36 14.53 | -10 36 16.5 | 8.7 T | 605 |
| C/1995 O1 | 1996 07 03.94726 | 18 50 38.89 | -11 36 06.4 | | 046 | C/1995 O1 | 1996 07 13.96115 | 18 36 14.19 | -10 36 15.3 | 8.7 T | 605 |
| C/1995 O1 | 1996 07 03.94980 | 18 50 38.67 | -11 36 05.4 | | 046 | C/1995 O1 | 1996 07 13.97251 | 18 36 13.25 | -10 36 12.1 | 8.7 T | 605 |
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| 117P | 1996 07 13.93631 | 15 47 33.34 | -19 27 46.6 | | | 595 |
| 117P | 1996 07 15.52361 | 15 47 22.15 | -19 30 09.5 | 17.3 T | | 360 |
| 117P | 1996 07 15.54358 | 15 47 22.00 | -19 30 11.1 | | | 360 |

| 118P/Shoemaker-Levy 4 | | | | | | |
|-----------------------|------------------|-------------|-------------|--------|---|-----|
| 118P | 1996 07 26.78438 | 03 40 16.50 | +12 31 36.5 | 17.2 T | | 360 |
| 118P | 1996 07 26.78872 | 03 40 16.91 | +12 31 37.2 | | | 360 |
| 122P/de Vico | | | | | | |
| 122P | 1996 06 25.25870 | 16 54 23.97 | +20 49 53.8 | 22.0 T | 3 | 696 |
| 122P | 1996 06 25.26861 | 16 54 23.39 | +20 49 47.9 | 22.1 T | 3 | 696 |
| 122P | 1996 06 25.27713 | 16 54 22.54 | +20 49 42.1 | 22.4 T | 3 | 696 |
| 123P/West-Hartley | | | | | | |
| 123P | 1996 06 05.52340 | 09 23 56.58 | +28 15 30.6 | | | 421 |
| 123P | 1996 06 05.52750 | 09 23 57.09 | +28 15 27.2 | | | 421 |
| 123P | 1996 06 05.52933 | 09 23 57.30 | +28 15 26.0 | 14.5 T | | 421 |
| 125P/Spacewatch | | | | | | |
| 125P | 1996 06 05.58297 | 12 10 00.36 | +13 47 19.2 | | | 421 |
| 125P | 1996 06 05.59214 | 12 10 01.24 | +13 47 13.0 | 16.2 T | | 421 |
| 125P | 1996 06 05.59807 | 12 10 01.79 | +13 47 09.5 | | | 421 |
| 125P | 1996 06 28.87157 | 12 52 59.99 | +08 39 34.2 | 16.2 T | | 118 |
| 125P | 1996 07 03.88315 | 13 03 39.64 | +07 20 04.2 | | | 118 |
| 125P | 1996 07 03.88640 | 13 03 40.08 | +07 20 00.8 | | | 118 |
| 125P | 1996 07 09.88891 | 13 16 57.50 | +05 40 23.4 | 15.7 T | | 118 |
| 125P | 1996 07 09.89618 | 13 16 58.41 | +05 40 15.7 | | | 118 |
| 125P | 1996 07 10.49410 | 13 18 19.79 | +05 30 08.0 | 15.7 T | | 360 |
| 125P | 1996 07 10.49826 | 13 18 20.33 | +05 30 03.9 | | | 360 |
| 125P | 1996 07 15.50382 | 13 29 52.26 | +04 03 40.9 | 15.7 T | | 360 |
| 125P | 1996 07 15.51024 | 13 29 53.14 | +04 03 33.9 | | | 360 |
| 125P | 1996 07 18.50125 | 13 36 56.31 | +03 10 58.4 | 16.6 N | | 388 |
| 125P | 1996 07 18.50451 | 13 36 56.75 | +03 10 55.2 | 16.8 N | | 388 |
| 125P | 1996 07 20.84623 | 13 42 32.99 | +02 29 17.6 | | | 118 |
| 125P | 1996 07 20.85361 | 13 42 34.05 | +02 29 10.1 | | | 118 |

Note 1: poor configuration of reference stars. 2: weak solution. 3: faint image.

OBSERVATIONS OF MINOR PLANETS

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

- A earlier approximate position inferior
- a sense of motion ambiguous
- B black or dark plate
- b bad seeing
- c correction to earlier position
- C crowded star field
- D declination uncertain
- d diffuse image
- E at or near edge of plate
- F faint image
- f involved with emulsion or plate flaw
- G poor guiding
- g no guiding
- I involved with star
- i inkdot measured

J J2000.0 rereduction of previously-reported position
M measurement difficult
N near edge of plate, measurement uncertain
O image out of focus
o plate measured in one direction only
P position uncertain
p poor image
R right ascension uncertain
r poor distribution of reference stars
S poor sky
s streaked image
T time uncertain
t trailed image
U uncertain image
u unconfirmed image
V very faint image
W weak image
w weak solution

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

010 Caussols

E. W. Elst, Observatoire Royal de Belgique, Avenue Circulaire 3, B-1180 Brussels, Belgium [elst@atmos.oma.be]

Observers C. Pollas, D. Albanese

Measurer E. W. Elst

0.9-m Schmidt telescope

| | | | | | | | |
|-----------------------|------------------|-------------|-------------|--|------|--|-----|
| 1991 VL ₁ | 1993 03 25.01389 | 12 32 33.60 | +07 18 10.3 | | | | 010 |
| 1992 HY ₄ | 1993 08 17.97222 | 22 51 50.38 | -01 17 59.6 | | | | 010 |
| 1992 HY ₄ | 1993 08 17.99410 | 22 51 49.22 | -01 18 02.0 | | | | 010 |
| 1993 PV ₇ | 1993 08 16.99097 | 23 03 10.52 | -06 00 50.7 | | | | 010 |
| 1993 PV ₇ | 1993 08 17.01189 | 23 03 09.73 | -06 01 03.3 | | | | 010 |
| 1993 ST ₁₄ | 1993 10 15.95625 | 00 33 35.00 | -03 06 54.0 | | 18.4 | | 010 |
| 1993 ST ₁₄ | 1993 10 15.96667 | 00 33 34.41 | -03 06 55.1 | | | | 010 |
| 1993 ST ₁₄ | 1993 10 15.97743 | 00 33 33.81 | -03 06 56.1 | | | | 010 |
| 1996 KS | 1993 08 16.99097 | 22 59 22.13 | -03 57 52.4 | | | | 010 |
| 1996 KS | 1993 08 17.01189 | 22 59 21.14 | -03 58 00.6 | | | | 010 |
| 1996 KS | 1993 09 18.96389 | 22 33 57.33 | -07 38 16.3 | | 18.5 | | 010 |
| 1996 KS | 1993 09 18.97431 | 22 33 56.93 | -07 38 20.0 | | | | 010 |
| 1996 KS | 1993 09 18.98623 | 22 33 56.44 | -07 38 23.7 | | | | 010 |
| (3113) | 1993 08 17.97222 | 23 01 31.60 | -01 39 32.8 | | | | 010 |
| (3113) | 1993 08 17.99410 | 23 01 30.70 | -01 39 40.7 | | | | 010 |
| (4109) | 1993 08 16.99097 | 22 57 28.58 | -05 22 36.6 | | | | 010 |
| (4109) | 1993 08 17.01189 | 22 57 27.56 | -05 22 43.0 | | | | 010 |
| (4109) | 1993 08 17.97222 | 22 56 44.67 | -05 28 07.5 | | | | 010 |
| (4109) | 1993 08 17.99410 | 22 56 43.49 | -05 28 15.3 | | | | 010 |
| (4183) | 1993 08 16.02986 | 22 18 42.00 | -04 11 02.4 | | | | 010 |
| (4183) | 1993 08 16.04097 | 22 18 41.29 | -04 11 06.1 | | | | 010 |
| (4183) | 1993 08 16.05174 | 22 18 40.35 | -04 11 10.2 | | | | 010 |
| (4796) | 1993 08 16.99097 | 22 50 31.71 | -04 24 47.8 | | | | 010 |
| (4796) | 1993 08 17.01189 | 22 50 30.87 | -04 24 50.1 | | | | 010 |
| (4796) | 1993 08 17.97222 | 22 49 48.74 | -04 27 06.0 | | | | 010 |
| (4796) | 1993 08 17.99410 | 22 49 47.73 | -04 27 08.1 | | | | 010 |

033 Tautenburg

F. Börngen, Thüringer Landessternwarte, Sternwarte 5, D-07778 Tautenburg, Germany [boerg@t1s.tautenburg.de]

1.3-m Schmidt telescope

PPM

| | | | | | | |
|----------------------|------------------|-------------|-------------|------|--|-----|
| 1982 UR ₆ | 1995 03 04.89757 | 10 05 44.64 | +16 26 44.3 | 18.8 | | 033 |
| 1982 UR ₆ | 1995 03 04.93368 | 10 05 42.60 | +16 26 54.6 | | | 033 |
| 1990 TE ₈ | 1994 11 01.85486 | 23 56 05.39 | -03 53 03.4 | 18.6 | | 033 |
| 1990 TE ₈ | 1994 11 01.89653 | 23 56 04.30 | -03 53 05.3 | | | 033 |
| 1992 BZ | 1994 11 01.85486 | 23 53 13.32 | -05 17 21.5 | 17.9 | | 033 |
| 1992 BZ | 1994 11 01.89653 | 23 53 12.38 | -05 17 21.1 | | | 033 |
| 1992 HR ₄ | 1995 02 03.99792 | 10 36 06.60 | +11 19 31.4 | 18.8 | | 033 |
| 1992 HR ₄ | 1995 03 04.89757 | 10 09 22.70 | +15 10 55.0 | 18.5 | | 033 |
| 1992 HR ₄ | 1995 03 04.93368 | 10 09 20.50 | +15 11 11.3 | | | 033 |
| 1995 BL | 1995 01 30.98576 | 09 03 29.08 | +14 59 03.8 | 16.5 | | 033 |
| 1995 BL | 1995 01 31.04479 | 09 03 22.98 | +14 58 27.2 | | | 033 |
| 1995 CD | 1995 03 04.89757 | 10 15 48.46 | +16 19 34.0 | 17.8 | | 033 |
| 1995 CD | 1995 03 04.93368 | 10 15 46.46 | +16 19 42.6 | | | 033 |
| (1156) | 1995 03 04.89757 | 10 06 57.68 | +14 00 50.9 | 15.6 | | 033 |
| (1156) | 1995 03 04.93368 | 10 06 55.58 | +14 01 02.0 | | | 033 |
| (2482) | 1995 03 04.89757 | 10 06 53.79 | +15 32 22.2 | 18.0 | | 033 |
| (2482) | 1995 03 04.93368 | 10 06 51.99 | +15 32 32.8 | | | 033 |
| (2587) | 1995 03 04.89757 | 10 07 58.06 | +15 05 22.1 | 17.0 | | 033 |
| (2587) | 1995 03 04.93368 | 10 07 56.33 | +15 05 31.7 | | | 033 |
| (2625) | 1995 03 04.89757 | 10 07 28.25 | +15 00 36.4 | 17.3 | | 033 |
| (2625) | 1995 03 04.93368 | 10 07 26.04 | +15 00 51.6 | | | 033 |
| (2634) | 1995 03 04.89757 | 10 04 14.92 | +14 55 05.2 | 15.7 | | 033 |
| (2634) | 1995 03 04.93368 | 10 04 13.45 | +14 55 16.2 | | | 033 |
| (3128) | 1995 03 04.89757 | 10 08 36.71 | +14 48 58.3 | 17.6 | | 033 |
| (3128) | 1995 03 04.93368 | 10 08 35.05 | +14 49 07.6 | | | 033 |
| (3209) | 1995 03 04.89757 | 10 11 51.34 | +16 03 22.0 | 16.9 | | 033 |
| (3209) | 1995 03 04.93368 | 10 11 49.28 | +16 03 39.0 | | | 033 |
| (4393) | 1994 11 01.85486 | 24 02 01.60 | -02 34 00.5 | 19.2 | | 033 |
| (4393) | 1994 11 01.89653 | 24 02 00.65 | -02 34 04.4 | | | 033 |
| (5181) | 1994 11 01.85486 | 23 58 54.33 | -04 06 31.4 | 18.3 | | 033 |
| (5181) | 1994 11 01.89653 | 23 58 53.18 | -04 06 33.5 | | | 033 |
| (5303) | 1995 03 04.89757 | 10 13 01.53 | +15 25 44.8 | 17.4 | | 033 |
| (5303) | 1995 03 04.93368 | 10 12 59.68 | +15 25 53.3 | | | 033 |
| (5808) | 1995 03 04.89757 | 10 11 37.31 | +14 02 18.7 | 17.9 | | 033 |
| (5808) | 1995 03 04.93368 | 10 11 35.66 | +14 02 32.2 | | | 033 |
| (6299) | 1995 03 04.89757 | 10 14 27.45 | +15 48 51.9 | 17.5 | | 033 |
| (6299) | 1995 03 04.93368 | 10 14 25.60 | +15 49 02.0 | | | 033 |
| (6342) | 1995 03 04.89757 | 10 03 46.37 | +15 51 59.0 | 18.4 | | 033 |
| (6342) | 1995 03 04.93368 | 10 03 44.59 | +15 52 06.7 | | | 033 |
| (6405) | 1995 03 04.89757 | 10 12 23.66 | +16 39 12.4 | 17.8 | | 033 |
| (6405) | 1995 03 04.93368 | 10 12 21.47 | +16 39 27.2 | | | 033 |
| (6968) | 1994 11 01.85486 | 23 50 30.71 | -03 02 55.1 | 17.8 | | 033 |
| (6968) | 1994 11 01.89653 | 23 50 29.83 | -03 02 57.1 | | | 033 |
| (7028) | 1995 03 04.89757 | 10 09 53.87 | +14 16 10.5 | 18.3 | | 033 |
| (7028) | 1995 03 04.93368 | 10 09 52.10 | +14 16 20.9 | | | 033 |

| 046 Kleť | | | | | | | | | | | | | |
|--|------------------|-------------|-------------|--------|-----|----------------------|------------------|-------------|-------------|--------|-------|--|--|
| J. Tichá, Hvězdárna Kleť, Zátkovo nábřeží 4, CZ-37001 České Budějovice, Czech Republic [klet@jcu.cz] | | | | | | | | | | | | | |
| Observers J. Tichá, M. Tichý, Z. Moravec | | | | | | | | | | | | | |
| Measurers M. Tichý, Z. Moravec | | | | | | | | | | | | | |
| 0.57-m reflector + CCD | | | | | | | | | | | | | |
| GSC | | | | | | | | | | | | | |
| 1980 RE ₁ | 1996 06 19.89140 | 16 34 12.14 | -07 16 01.3 | 17.5 R | 046 | 1989 RS ₁ | 1996 07 19.96684 | 21 07 52.12 | +04 27 53.9 | | 046 | | |
| 1980 RE ₁ | 1996 06 19.89554 | 16 34 11.93 | -07 16 00.8 | | 046 | 1989 RS ₁ | 1996 07 19.97264 | 21 07 52.42 | +04 27 56.4 | | 046 | | |
| 1980 RE ₁ | 1996 06 19.89734 | 16 34 11.85 | -07 16 00.9 | | 046 | 1989 RS ₁ | 1996 07 21.96479 | 21 09 42.45 | +04 44 28.0 | 17.8 V | 046 | | |
| 1980 UC | 1996 06 17.98623 | 19 59 41.21 | -20 19 37.9 | 17.5 R | 046 | 1989 RS ₁ | 1996 07 21.96883 | 21 09 42.64 | +04 44 29.9 | | 046 | | |
| 1980 UC | 1996 06 17.99181 | 19 59 41.04 | -20 19 38.7 | | 046 | 1989 RS ₁ | 1996 07 21.97397 | 21 09 42.91 | +04 44 32.2 | | 046 | | |
| 1980 UC | 1996 06 17.99580 | 19 59 40.95 | -20 19 39.2 | | 046 | 1995 DA ₁ | 1996 07 20.99208 | 20 26 11.94 | -23 47 38.9 | 17.7 V | 046 | | |
| 1980 UC | 1996 07 16.93926 | 19 40 02.24 | -21 44 23.9 | 16.8 V | 046 | 1995 DA ₁ | 1996 07 20.99422 | 20 26 11.83 | -23 47 39.5 | | 046 | | |
| 1980 UC | 1996 07 16.94127 | 19 40 02.14 | -21 44 24.3 | | 046 | 1995 DA ₁ | 1996 07 20.99795 | 20 26 11.61 | -23 47 41.2 | | 046 | | |
| 1980 UC | 1996 07 16.94315 | 19 40 02.06 | -21 44 24.6 | | 046 | 1995 DA ₁ | 1996 07 21.90984 | 20 25 21.18 | -23 53 47.2 | 17.9 V | 046 | | |
| 1980 UC | 1996 07 17.92731 | 19 39 13.10 | -21 47 31.7 | 17.0 V | 046 | 1995 DA ₁ | 1996 07 21.91187 | 20 25 21.05 | -23 53 48.2 | | 046 | | |
| 1980 UC | 1996 07 17.93190 | 19 39 12.86 | -21 47 32.5 | | 046 | 1995 EA | 1996 06 17.95911 | 17 45 46.32 | -08 51 14.2 | 18.6 R | 046 | | |
| 1980 UC | 1996 07 17.93418 | 19 39 12.75 | -21 47 32.9 | | 046 | 1995 EA | 1996 06 17.96275 | 17 45 46.12 | -08 51 15.0 | | 046 | | |
| 1982 UD ₂ | 1996 07 22.91814 | 18 46 13.01 | -26 36 32.0 | 16.7 V | 046 | 1995 EA | 1996 06 17.96471 | 17 45 45.98 | -08 51 15.2 | | 046 | | |
| 1982 UD ₂ | 1996 07 22.92273 | 18 46 12.79 | -26 36 32.2 | | 046 | 1995 EA | 1996 06 17.96471 | 17 45 45.98 | -08 51 15.2 | | 046 | | |
| 1982 UD ₂ | 1996 07 22.92466 | 18 46 12.69 | -26 36 32.4 | | 046 | 1995 EA | 1996 06 19.91655 | 17 43 59.33 | -08 53 49.9 | 18.4 R | 046 | | |
| 1982 UD ₂ | 1996 07 24.86023 | 18 44 41.75 | -26 37 52.1 | 16.7 V | 046 | 1995 EA | 1996 06 19.91832 | 17 43 59.19 | -08 53 50.1 | | 046 | | |
| 1982 UD ₂ | 1996 07 24.86406 | 18 44 41.56 | -26 37 52.2 | | 046 | 1995 EA | 1996 06 19.92019 | 17 43 59.06 | -08 53 50.6 | | 046 | | |
| 1986 RS ₁ | 1996 07 20.91190 | 17 44 03.66 | -13 25 40.6 | 17.3 V | 046 | 1995 EA | 1996 06 19.92213 | 17 43 58.95 | -08 53 50.6 | | 046 | | |
| 1986 RS ₁ | 1996 07 20.91596 | 17 44 03.54 | -13 25 41.6 | | 046 | 1995 EA | 1996 07 22.88707 | 17 19 54.66 | -10 32 42.1 | 19.1 V | 046 | | |
| 1986 RS ₁ | 1996 07 20.92097 | 17 44 03.33 | -13 25 43.1 | | 046 | 1995 EA | 1996 07 22.88900 | 17 19 54.60 | -10 32 42.2 | | 046 | | |
| 1986 RS ₁ | 1996 07 21.88676 | 17 43 32.41 | -13 30 10.8 | 17.0 V | 046 | 1995 EA | 1996 07 22.89089 | 17 19 54.54 | -10 32 43.0 | | 046 | | |
| 1986 RS ₁ | 1996 07 21.89014 | 17 43 32.32 | -13 30 11.5 | | 046 | 1995 EA | 1996 07 22.89272 | 17 19 54.50 | -10 32 43.6 | | 046 | | |
| 1986 RS ₁ | 1996 07 21.89183 | 17 43 32.27 | -13 30 12.1 | | 046 | 1995 EC | 1996 07 17.88270 | 16 52 53.96 | -24 04 10.1 | 17.2 V | 046 | | |
| 1986 WN ₇ | 1996 07 19.99850 | 21 21 07.64 | -15 32 11.7 | 17.9 V | 046 | 1995 EC | 1996 07 17.88646 | 16 52 53.88 | -24 04 09.6 | | 046 | | |
| 1986 WN ₇ | 1996 07 20.00258 | 21 21 07.49 | -15 32 12.1 | | 046 | 1995 EC | 1996 07 17.88836 | 16 52 53.85 | -24 04 09.4 | | 046 | | |
| 1986 WN ₇ | 1996 07 20.00475 | 21 21 07.37 | -15 32 12.2 | | 046 | 1995 EC | 1996 07 21.85552 | 16 51 52.18 | -24 02 39.6 | 17.4 V | 046 | | |
| 1986 WN ₇ | 1996 07 20.02321 | 21 21 06.61 | -15 32 14.3 | 17.9 V | 046 | 1995 EC | 1996 07 21.85950 | 16 51 52.12 | -24 02 39.4 | | 046 | | |
| 1986 WN ₇ | 1996 07 20.02772 | 21 21 06.40 | -15 32 14.4 | | 046 | 1995 EC | 1996 07 21.86150 | 16 51 52.07 | -24 02 39.7 | | 046 | | |
| 1986 WN ₇ | 1996 07 20.03237 | 21 21 06.21 | -15 32 15.1 | | 046 | 1995 EO | 1996 07 19.97944 | 21 14 07.99 | -10 44 05.3 | 18.5 V | 046 | | |
| 1986 WN ₇ | 1996 07 21.99194 | 21 19 44.39 | -15 35 31.8 | 18.0 V | 046 | 1995 EO | 1996 07 19.98279 | 21 14 07.80 | -10 44 05.5 | | 046 | | |
| 1986 WN ₇ | 1996 07 21.99361 | 21 19 44.31 | -15 35 32.1 | | 046 | 1995 EO | 1996 07 19.98615 | 21 14 07.64 | -10 44 06.3 | | 046 | | |
| 1986 WN ₇ | 1996 07 21.99697 | 21 19 44.16 | -15 35 32.3 | | 046 | 1995 EO | 1996 07 21.03269 | 21 13 13.20 | -10 46 59.8 | 18.2 V | 046 | | |
| 1988 AT ₁ | 1996 07 16.93237 | 19 34 15.01 | -22 51 41.1 | 17.8 V | 046 | 1995 EO | 1996 07 21.03845 | 21 13 12.90 | -10 47 00.8 | | 046 | | |
| 1988 AT ₁ | 1996 07 16.93427 | 19 34 14.90 | -22 51 41.2 | | 046 | 1995 EO | 1996 07 21.06666 | 21 13 11.40 | -10 47 06.0 | | 046 | | |
| 1988 AT ₁ | 1996 07 16.93653 | 19 34 14.75 | -22 51 41.5 | | 046 | 1996 LA | 1996 06 06.88370 | 14 48 57.07 | -13 54 11.0 | 18.4 R | 046 | | |
| 1988 AT ₁ | 1996 07 17.91603 | 19 33 11.26 | -22 52 34.5 | 17.6 V | 046 | 1996 LA | 1996 06 06.88792 | 14 48 56.94 | -13 54 09.6 | | 046 | | |
| 1988 AT ₁ | 1996 07 17.91976 | 19 33 11.00 | -22 52 34.8 | | 046 | 1996 LA | 1996 06 06.89012 | 14 48 56.92 | -13 54 09.6 | | 046 | | |
| 1988 AT ₁ | 1996 07 17.92484 | 19 33 10.68 | -22 52 35.1 | | 046 | 1996 LA | 1996 06 06.89219 | 14 48 56.89 | -13 54 08.7 | | 046 | | |
| 1988 VD ₅ | 1996 07 20.01029 | 21 45 31.48 | +03 07 57.7 | 17.4 V | 046 | 1996 LA | 1996 06 07.89575 | 14 48 31.98 | -13 50 16.8 | 18.4 R | r 046 | | |
| 1988 VD ₅ | 1996 07 20.01436 | 21 45 31.34 | +03 07 57.4 | | 046 | 1996 LA | 1996 06 07.89765 | 14 48 31.94 | -13 50 16.7 | | r 046 | | |
| 1988 VD ₅ | 1996 07 20.01841 | 21 45 31.19 | +03 07 56.9 | | 046 | 1996 LA | 1996 06 07.89955 | 14 48 31.87 | -13 50 16.7 | | r 046 | | |
| 1988 VD ₅ | 1996 07 22.01918 | 21 44 20.36 | +03 04 44.4 | 18.2 V | 046 | 1996 LA | 1996 06 08.89634 | 14 48 08.47 | -13 46 32.2 | 18.5 R | 046 | | |
| 1988 VD ₅ | 1996 07 22.02123 | 21 44 20.26 | +03 04 44.3 | | 046 | 1996 LA | 1996 06 08.90237 | 14 48 08.33 | -13 46 30.3 | | 046 | | |
| 1988 VD ₅ | 1996 07 22.02422 | 21 44 20.15 | +03 04 44.0 | | 046 | 1996 LA | 1996 06 08.90444 | 14 48 08.21 | -13 46 29.9 | | 046 | | |
| 1989 RS ₁ | 1996 07 19.95895 | 21 07 51.75 | +04 27 49.3 | 18.0 V | 046 | 1996 LA | 1996 06 11.88653 | 14 47 05.65 | -13 36 08.1 | 18.4 R | 046 | | |
| | | | | | | 1996 LA | 1996 06 11.89272 | 14 47 05.61 | -13 36 06.6 | | 046 | | |
| | | | | | | 1996 LA | 1996 06 11.89720 | 14 47 05.44 | -13 36 05.9 | | 046 | | |
| | | | | | | 1996 LA | 1996 06 16.87943 | 14 45 46.89 | -13 21 18.6 | 18.1 R | 046 | | |
| | | | | | | 1996 LA | 1996 06 16.88500 | 14 45 46.78 | -13 21 19.0 | | 046 | | |
| | | | | | | 1996 LA | 1996 06 16.89324 | 14 45 46.73 | -13 21 16.9 | | 046 | | |
| | | | | | | 1996 LA | 1996 06 17.87687 | 14 45 35.13 | -13 18 45.5 | 18.3 R | 046 | | |
| | | | | | | 1996 LA | 1996 06 17.88241 | 14 45 35.08 | -13 18 44.7 | | 046 | | |

| | | | | | | | | | |
|----------------------|--------------------|-------------|-------------|--------------|---------|--------------------|-------------|-------------|--------------|
| 1996 LA | 1996 06 17.88640 | 14 45 35.01 | -13 18 44.1 | 046 | 1996 ON | 1996 07 21.93029 | 21 12 49.53 | -10 49 25.7 | 046 |
| 1996 LA | 1996 07 03.88134 | 14 45 30.57 | -12 55 42.5 | 046 | 1996 ON | 1996 07 21.93223 | 21 12 49.44 | -10 49 25.6 | 046 |
| 1996 LA | 1996 07 03.88824 | 14 45 30.59 | -12 55 41.5 | 046 | 1996 OX | * 1996 07 22.98531 | 21 12 05.48 | -10 48 29.8 | 16.7 V 046 |
| 1996 LA | 1996 07 03.89538 | 14 45 30.61 | -12 55 41.2 | 046 | 1996 OX | 1996 07 22.99003 | 21 12 05.25 | -10 48 31.3 | 046 |
| 1996 LA | 1996 07 16.86495 | 14 49 29.68 | -13 00 09.9 | 18.5 V 046 | 1996 OX | 1996 07 22.99211 | 21 12 05.16 | -10 48 32.1 | 046 |
| 1996 LA | 1996 07 16.87164 | 14 49 29.81 | -13 00 10.2 | 046 | 1996 OX | 1996 07 23.01847 | 21 12 03.91 | -10 48 41.2 | 16.7 V 046 |
| 1996 LA | 1996 07 16.87668 | 14 49 29.96 | -13 00 11.0 | 046 | 1996 OX | 1996 07 23.02221 | 21 12 03.74 | -10 48 42.4 | 046 |
| 1996 LA | 1996 07 20.86949 | 14 51 24.26 | -13 05 12.6 | 19.1 V F 046 | 1996 OX | 1996 07 24.92377 | 21 10 37.27 | -10 59 55.4 | 16.9 V 046 |
| 1996 LA | 1996 07 20.87389 | 14 51 24.34 | -13 05 12.5 | F 046 | 1996 OX | 1996 07 24.92609 | 21 10 37.15 | -10 59 56.4 | 046 |
| 1996 LK ₁ | 1996 06 17.01049 | 17 10 32.73 | -24 47 24.1 | 17.1 R 046 | 1996 OX | 1996 07 24.92931 | 21 10 37.00 | -10 59 57.5 | 046 |
| 1996 LK ₁ | 1996 06 17.01495 | 17 10 32.38 | -24 47 25.2 | 046 | 1996 OX | 1996 07 24.93153 | 21 10 36.89 | -10 59 58.3 | 046 |
| 1996 LK ₁ | 1996 06 17.01919 | 17 10 32.07 | -24 47 26.6 | 046 | 1996 OX | 1996 07 24.93353 | 21 10 36.79 | -10 59 59.0 | 046 |
| 1996 LK ₁ | 1996 06 19.92914 | 17 07 15.99 | -24 59 41.2 | 17.3 R 046 | 1996 OY | * 1996 07 22.94802 | 20 28 05.90 | +01 01 23.2 | 19.5 V 046 |
| 1996 LK ₁ | 1996 06 19.93414 | 17 07 15.60 | -24 59 42.5 | 046 | 1996 OY | 1996 07 22.95007 | 20 28 05.74 | +01 01 23.5 | 046 |
| 1996 LK ₁ | 1996 06 19.93778 | 17 07 15.34 | -24 59 43.0 | 046 | 1996 OY | 1996 07 22.95207 | 20 28 05.64 | +01 01 23.7 | 046 |
| 1996 MR | 1996 07 20.04183 | 23 24 36.68 | -04 33 26.7 | 18.0 V 046 | 1996 OY | 1996 07 22.95817 | 20 28 05.31 | +01 01 24.2 | 046 |
| 1996 MR | 1996 07 20.04439 | 23 24 36.88 | -04 33 26.6 | 046 | 1996 OY | 1996 07 22.96043 | 20 28 05.16 | +01 01 24.2 | 046 |
| 1996 MR | 1996 07 20.04668 | 23 24 37.02 | -04 33 26.4 | 046 | 1996 OY | 1996 07 22.96253 | 20 28 05.03 | +01 01 24.2 | 046 |
| 1996 MR | 1996 07 20.04867 | 23 24 37.21 | -04 33 26.5 | 046 | 1996 OY | 1996 07 24.93722 | 20 26 16.60 | +01 03 46.6 | 19.6 V 046 |
| 1996 MR | 1996 07 20.05150 | 23 24 37.40 | -04 33 25.9 | 046 | 1996 OY | 1996 07 24.93914 | 20 26 16.51 | +01 03 45.6 | 046 |
| 1996 MR | 1996 07 27.01537 | 23 32 21.61 | -04 31 32.0 | 18.3 V 046 | 1996 OY | 1996 07 24.95009 | 20 26 15.87 | +01 03 46.2 | 046 |
| 1996 MR | 1996 07 27.01705 | 23 32 21.68 | -04 31 32.2 | 046 | (887) | 1996 07 21.97919 | 21 11 30.83 | -20 45 00.5 | 18.5 V F 046 |
| 1996 MR | 1996 07 27.01873 | 23 32 21.77 | -04 31 32.1 | 046 | (887) | 1996 07 21.98139 | 21 11 30.66 | -20 45 02.0 | F 046 |
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| 1996 OA | 1996 07 17.90186 | 19 33 33.90 | -22 55 43.0 | 18.7 V 046 | (1221) | 1996 07 19.91787 | 19 40 26.62 | +02 53 01.2 | I 046 |
| 1996 OA | 1996 07 17.90615 | 19 33 33.66 | -22 55 43.7 | 046 | (2201) | 1996 07 21.95536 | 20 46 02.48 | -21 48 08.6 | 046 |
| 1996 OA | 1996 07 17.90905 | 19 33 33.45 | -22 55 44.6 | 046 | (2201) | 1996 07 21.95735 | 20 46 02.26 | -21 48 09.8 | 17.4 V 046 |
| 1996 OA | 1996 07 17.91163 | 19 33 33.32 | -22 55 45.0 | 046 | (2201) | 1996 07 21.95929 | 20 46 02.02 | -21 48 10.6 | 046 |
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| 1996 OK | 1996 07 20.00059 | 21 21 27.81 | -15 27 13.7 | 046 | (3493) | 1996 07 24.87067 | 19 01 37.45 | -20 49 50.4 | 16.4 V 046 |
| 1996 OK | 1996 07 20.00258 | 21 21 27.78 | -15 27 15.2 | 046 | (3493) | 1996 07 24.87256 | 19 01 37.33 | -20 49 50.8 | 046 |
| 1996 OK | 1996 07 20.00475 | 21 21 27.69 | -15 27 16.5 | 046 | (3493) | 1996 07 24.87481 | 19 01 37.22 | -20 49 51.8 | 046 |
| 1996 OK | 1996 07 20.02321 | 21 21 27.24 | -15 27 27.8 | 17.5 V 046 | (3493) | 1996 07 24.87738 | 19 01 37.08 | -20 49 52.5 | 046 |
| 1996 OK | 1996 07 20.02772 | 21 21 27.12 | -15 27 31.0 | 046 | (4179) | 1996 07 19.94530 | 20 47 07.25 | -17 47 21.5 | 16.5 V 046 |
| 1996 OK | 1996 07 20.02940 | 21 21 27.08 | -15 27 31.9 | 046 | (4179) | 1996 07 19.94778 | 20 47 07.08 | -17 47 22.0 | 046 |
| 1996 OK | 1996 07 20.03237 | 21 21 27.01 | -15 27 33.7 | 046 | (4179) | 1996 07 19.95190 | 20 47 06.79 | -17 47 23.3 | 046 |
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| 1996 OK | 1996 07 21.01439 | 21 21 04.43 | -15 37 54.6 | 046 | (4179) | 1996 07 26.90440 | 20 38 30.69 | -18 23 45.1 | 046 |
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| 1996 OK | 1996 07 21.02321 | 21 21 04.22 | -15 38 00.4 | 046 | (4829) | 1994 03 05.94861 | 10 08 33.47 | +01 07 34.5 | 046 |
| 1996 ON | * 1996 07 21.03269 | 21 13 23.73 | -10 50 44.9 | 17.5 V 046 | (4829) | 1994 03 05.94973 | 10 08 33.47 | +01 07 35.1 | 046 |
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| 1996 ON | 1996 07 21.07083 | 21 13 22.19 | -10 50 41.1 | 046 | (4829) | 1994 03 05.95310 | 10 08 33.35 | +01 07 35.8 | 046 |
| 1996 ON | 1996 07 21.92218 | 21 12 49.86 | -10 49 26.5 | 17.3 V 046 | (4829) | 1994 03 05.95422 | 10 08 33.28 | +01 07 36.1 | 046 |
| 1996 ON | 1996 07 21.92399 | 21 12 49.79 | -10 49 26.3 | 046 | (4829) | 1994 03 05.95535 | 10 08 33.28 | +01 07 36.6 | 046 |
| 1996 ON | 1996 07 21.92590 | 21 12 49.71 | -10 49 26.2 | 046 | (4829) | 1994 03 10.96622 | 10 06 18.26 | +01 24 53.4 | 046 |
| 1996 ON | 1996 07 21.92782 | 21 12 49.62 | -10 49 25.9 | 046 | (4829) | 1994 03 10.98041 | 10 06 17.84 | +01 24 57.0 | 046 |

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| (4829) | 1994 03 10.98191 | 10 06 17.76 | +01 24 57.1 | | 046 |
| (5418) | 1996 07 22.94802 | 20 27 55.90 | +00 58 42.6 | 18.0 V | 046 |
| (5418) | 1996 07 22.95207 | 20 27 55.72 | +00 58 41.5 | | 046 |
| (5418) | 1996 07 22.95817 | 20 27 55.43 | +00 58 39.9 | | 046 |
| (5418) | 1996 07 22.96253 | 20 27 55.22 | +00 58 38.8 | | 046 |
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| (5418) | 1996 07 24.89168 | 20 26 24.79 | +00 49 52.2 | | 046 |
| (5418) | 1996 07 24.89378 | 20 26 24.56 | +00 49 52.2 | | 046 |

072 Scheuren Observatory

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

0.19-m $f/4$ FFC + CCD

GSC

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|----------------------|------------------|-------------|-------------|--|-----|
| 1995 DK ₁ | 1996 06 13.93005 | 17 26 24.25 | -07 48 47.6 | | 072 |
| 1995 DK ₁ | 1996 06 13.93421 | 17 26 24.04 | -07 48 47.9 | | 072 |
| (1019) | 1996 07 15.96948 | 21 01 51.92 | +04 36 42.5 | | 072 |
| (1019) | 1996 07 15.97295 | 21 01 51.78 | +04 36 38.3 | | 072 |
| (1019) | 1996 07 18.93601 | 20 59 37.75 | +03 32 32.5 | | 072 |
| (1019) | 1996 07 18.93948 | 20 59 37.61 | +03 32 27.6 | | 072 |
| (1293) | 1996 07 15.89336 | 19 41 36.03 | -10 05 32.1 | | 072 |
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| (1293) | 1996 07 18.90183 | 19 39 00.03 | -09 58 00.1 | | 072 |
| (1505) | 1996 07 15.95881 | 20 48 01.84 | +02 46 11.7 | | 072 |
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| (1505) | 1996 07 18.91912 | 20 45 31.93 | +02 53 04.5 | | 072 |
| (1505) | 1996 07 18.92606 | 20 45 31.57 | +02 53 05.4 | | 072 |
| (6327) | 1996 06 13.96309 | 18 30 24.88 | -04 58 40.6 | | 072 |
| (6327) | 1996 06 13.97142 | 18 30 24.51 | -04 58 42.8 | | 072 |
| (6517) | 1996 06 09.95259 | 17 58 58.48 | +10 48 08.9 | | 072 |
| (6517) | 1996 06 09.95606 | 17 58 58.19 | +10 48 07.5 | | 072 |

098 Asiago Observatory, Cima Ekar

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

Observer U. Munari

Measurers M. Tombelli, G. Forti

0.67-m $f/3.2$ Schmidt

| | | | | | |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1994 VD ₂ | 1994 12 03.94167 | 04 25 11.66 | +24 41 25.4 | 17.5 V | 098 |
| 1994 VD ₂ | 1994 12 03.96251 | 04 25 10.17 | +24 41 28.2 | | 098 |

104 San Marcello Pistoiese

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

Observers L. Tesi, A. Boattini

0.40-m $f/5$ reflector + CCD

GSC

| | | | | | |
|---------|------------------|-------------|-------------|--------|-----|
| 1994 PC | 1996 06 27.98854 | 21 58 16.95 | -07 13 40.6 | | 104 |
| 1994 PC | 1996 06 27.99554 | 21 58 17.70 | -07 13 41.0 | | 104 |
| 1994 PC | 1996 06 27.99792 | 21 58 18.07 | -07 13 41.2 | | 104 |
| 1994 PC | 1996 06 28.00515 | 21 58 18.89 | -07 13 42.0 | | 104 |
| 1996 EN | 1996 06 27.85509 | 11 11 37.07 | +48 00 50.4 | 18.8 V | 104 |

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|---------|------------------|-------------|-------------|--------|-----|
| 1996 EN | 1996 06 27.87488 | 11 11 39.92 | +48 00 52.8 | | 104 |
| 1996 EN | 1996 06 27.87801 | 11 11 40.37 | +48 00 54.0 | | 104 |
| 1996 MQ | 1996 06 27.89412 | 17 41 21.53 | +07 55 34.6 | 18.1 V | 104 |
| 1996 MQ | 1996 06 27.89602 | 17 41 24.70 | +07 56 06.2 | 17.9 V | 104 |
| 1996 MQ | 1996 06 27.92821 | 17 42 21.00 | +08 05 26.3 | 18.1 V | 104 |
| 1996 MQ | 1996 06 27.93588 | 17 42 34.35 | +08 07 38.0 | 18.1 V | 104 |
| 1996 MQ | 1996 06 27.94314 | 17 42 47.15 | +08 09 43.1 | | 104 |
| 1996 MR | 1996 06 28.02905 | 22 51 39.81 | -06 00 02.9 | 18.9 V | 104 |
| 1996 MR | 1996 06 28.03299 | 22 51 40.14 | -06 00 01.8 | | 104 |
| 1996 MR | 1996 06 28.03681 | 22 51 40.52 | -06 00 00.6 | 19.0 V | 104 |
| 1996 MR | 1996 06 28.04051 | 22 51 40.99 | -05 59 59.2 | | 104 |
| (4073) | 1996 04 16.87066 | 13 15 48.83 | -05 24 03.1 | | 104 |
| (4073) | 1996 04 16.87569 | 13 15 48.57 | -05 24 01.3 | | 104 |
| (4073) | 1996 04 16.88125 | 13 15 48.30 | -05 23 59.6 | | 104 |

108 Montelupo

M. Tombelli, Via Bozzeto 26, I-50056 Montelupo (Fi), Italy

[iau@arcetri.astro.it]

Observers M. Tombelli, G. Forti

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

GSC

| | | | | | |
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| (5251) | 1996 06 18.90560 | 16 34 32.06 | -14 57 15.0 | | 108 |
| (5251) | 1996 06 18.93455 | 16 34 30.24 | -14 56 45.3 | | 108 |
| (5251) | 1996 06 18.94558 | 16 34 29.62 | -14 56 31.3 | 16.5 V | 108 |

113 Volkssternwarte Drebach, Schönbrunn

G. Lehmann, Volkssternwarte Drebach, D-09430 Drebach, Germany

[lehmann@stw-drebach.zp.sn.schule.de]

Observer J. Kandler

Measurers J. Kandler, G. Lehmann

0.14-m $f/3.5$ camera

PPM

| | | | | | |
|--------|------------------|-------------|-------------|--|-----|
| (289) | 1995 11 21.94935 | 01 08 22.96 | +01 29 14.1 | | 113 |
| (289) | 1995 11 22.78320 | 01 08 20.18 | +01 28 04.9 | | 113 |
| (289) | 1995 11 22.81159 | 01 08 20.17 | +01 28 02.5 | | 113 |
| (289) | 1995 11 22.84413 | 01 08 20.01 | +01 27 59.0 | | 113 |
| (289) | 1995 11 24.90910 | 01 08 17.17 | +01 25 45.1 | | 113 |
| (289) | 1995 11 26.84353 | 01 08 21.20 | +01 24 34.8 | | 113 |
| (289) | 1995 11 26.86743 | 01 08 21.22 | +01 24 32.6 | | 113 |
| (673) | 1996 04 15.91197 | 12 40 27.49 | -06 46 21.4 | | 113 |
| (1481) | 1996 04 15.91197 | 12 37 01.06 | -06 04 05.7 | | 113 |
| (1481) | 1996 04 17.87585 | 12 35 36.73 | -05 56 41.3 | | 113 |
| (1481) | 1996 04 17.94746 | 12 35 33.61 | -05 56 23.4 | | 113 |
| (2060) | 1996 04 15.91197 | 12 33 10.66 | -06 08 37.8 | | 113 |
| (2060) | 1996 04 17.87585 | 12 32 40.51 | -06 04 24.3 | | 113 |
| (2060) | 1996 04 17.94746 | 12 32 39.37 | -06 04 15.1 | | 113 |

117 Sendling

H. Beuchat, European Patent Office, Erhardstr. 27, D-80331 Munich, Germany

[100341.75@compuserve.com]

0.20-m $f/10$ reflector + CCD

GSC

| | | | | | | | | | | | |
|-------|------------------|-------------|-------------|--------|-----|--------|------------------|-------------|-------------|--------|-----|
| (3) | 1996 07 18.06205 | 00 45 44.08 | +05 49 14.9 | 9.5 R | 117 | (694) | 1996 07 19.86040 | 22 18 18.13 | +20 26 30.7 | 11.6 R | 117 |
| (3) | 1996 07 18.06686 | 00 45 44.38 | +05 49 15.0 | 9.4 R | 117 | (694) | 1996 07 19.86509 | 22 18 18.16 | +20 26 34.3 | 11.6 R | 117 |
| (3) | 1996 07 18.07166 | 00 45 44.65 | +05 49 15.4 | 9.4 R | 117 | (694) | 1996 07 20.85197 | 22 18 25.05 | +20 39 01.9 | 12.0 R | 117 |
| (3) | 1996 07 18.07774 | 00 45 44.99 | +05 49 15.8 | 9.4 R | 117 | (694) | 1996 07 20.85678 | 22 18 25.06 | +20 39 05.5 | 11.9 R | 117 |
| (3) | 1996 07 19.97008 | 00 47 36.99 | +05 51 25.7 | 10.2 R | 117 | (702) | 1996 07 04.00369 | 23 11 25.12 | +14 01 21.1 | 12.6 R | 117 |
| (3) | 1996 07 19.97529 | 00 47 37.29 | +05 51 25.8 | 9.9 R | 117 | (702) | 1996 07 04.00693 | 23 11 25.12 | +14 01 23.1 | 14.5 R | 117 |
| (3) | 1996 07 19.99975 | 00 47 38.68 | +05 51 27.3 | 9.7 R | 117 | (702) | 1996 07 14.90389 | 23 11 13.56 | +15 39 23.2 | 13.2 R | 117 |
| (3) | 1996 07 20.01206 | 00 47 39.48 | +05 51 27.8 | 10.2 R | 117 | (702) | 1996 07 14.91012 | 23 11 13.61 | +15 39 28.6 | 13.4 R | 117 |
| (27) | 1996 07 20.90508 | 19 56 07.25 | -21 45 31.1 | 11.6 R | 117 | (702) | 1996 07 16.89468 | 23 10 55.84 | +15 56 00.7 | 13.5 R | 117 |
| (27) | 1996 07 20.90865 | 19 56 07.01 | -21 45 32.1 | 11.5 R | 117 | (702) | 1996 07 16.89943 | 23 10 55.81 | +15 56 02.3 | 13.4 R | 117 |
| (27) | 1996 07 20.91810 | 19 56 06.41 | -21 45 34.1 | 11.6 R | 117 | (702) | 1996 07 18.90175 | 23 10 33.07 | +16 12 13.7 | 13.5 R | 117 |
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| (65) | 1996 07 16.96473 | 22 06 17.02 | -10 11 13.9 | 12.5 R | 117 | (702) | 1996 07 19.88132 | 23 10 20.10 | +16 19 57.1 | 13.3 R | 117 |
| (65) | 1996 07 16.96956 | 22 06 16.89 | -10 11 14.9 | 12.4 R | 117 | (702) | 1996 07 19.88700 | 23 10 20.03 | +16 19 59.8 | 13.4 R | 117 |
| (65) | 1996 07 18.03331 | 22 05 51.28 | -10 14 15.9 | 12.5 R | 117 | (702) | 1996 07 20.87149 | 23 10 05.80 | +16 27 37.9 | 13.5 R | 117 |
| (65) | 1996 07 18.04177 | 22 05 51.10 | -10 14 17.4 | 12.6 R | 117 | (702) | 1996 07 20.87593 | 23 10 05.72 | +16 27 39.7 | 13.5 R | 117 |
| (65) | 1996 07 18.97369 | 22 05 27.82 | -10 17 02.2 | 12.7 R | 117 | (816) | 1996 07 20.95083 | 21 20 24.27 | -16 53 34.8 | 15.3 R | 117 |
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| (88) | 1996 07 19.98642 | 03 48 09.15 | +23 49 24.8 | 11.3 R | 117 | (914) | 1996 07 03.95391 | 20 27 55.77 | +14 20 52.9 | 12.1 R | 117 |
| (88) | 1996 07 19.99039 | 03 48 09.50 | +23 49 26.6 | 12.4 R | 117 | (914) | 1996 07 14.84737 | 20 17 53.17 | +17 34 44.9 | 12.2 R | 117 |
| (192) | 1996 07 14.98017 | 21 37 38.59 | -22 18 05.0 | 10.5 R | 117 | (914) | 1996 07 14.85409 | 20 17 52.74 | +17 34 51.2 | 11.8 R | 117 |
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| (266) | 1996 07 14.89329 | 22 52 51.66 | +12 51 48.3 | 13.0 R | 117 | (1505) | 1996 07 03.89870 | 20 56 48.08 | +01 57 54.2 | 14.4 R | 117 |
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| (266) | 1996 07 18.89096 | 22 52 49.66 | +13 17 20.5 | 12.9 R | 117 | (1505) | 1996 07 16.86527 | 20 47 16.70 | +02 48 31.2 | 15.0 R | 117 |
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| (266) | 1996 07 19.87615 | 22 52 45.75 | +13 23 11.6 | 12.7 R | 117 | (1505) | 1996 07 18.87582 | 20 45 34.22 | +02 52 59.7 | 15.5 R | 117 |
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| (1685) | 1996 07 20.88551 | 23 48 17.04 | +26 03 08.3 | 13.7 R | 117 | 1995 AO ₁ | 1996 07 19.98898 | 19 44 34.93 | -06 26 57.0 | 19.4 R | 118 |
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| (3103) | 1996 07 14.94750 | 22 14 52.22 | +08 40 44.9 | 14.2 R | 117 | 1995 AO ₁ | 1996 07 21.02550 | 19 43 40.50 | -06 29 43.3 | 19.0 R | 118 |
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| A. Galád, AGO MFF UK, P.O. Box 4, SK-90001 Modra, Slovakia | | | | | | (582) | 1996 07 05.00524 | 18 59 04.06 | +11 26 58.8 | | 118 |
| [ago_modra@center.fmph.uniba.sk] | | | | | | (1033) | 1996 06 09.97898 | 18 55 52.57 | -07 40 37.1 | | 118 |
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| (3908) | 1996 07 13.03178 | 21 23 41.88 | -11 10 13.7 | 18.0 R | 118 |
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| (4487) | 1996 07 04.97499 | 18 19 12.22 | +17 51 40.9 | | 118 |
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121 Kharkov University, Chuguevskaya Station

Yu. N. Krugly, Astronomical Observatory of the Kharkov State University,
Sumskaia Str. 35, UA-310022 Kharkov, Ukraine

[krugly@astron.kharkov.ua]

0.70-m $f/4$ reflector + CCD

GSC

| | | | | | |
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| 1989 RC | 1996 06 15.87657 | 15 54 06.37 | +01 40 58.2 | | F 121 |
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| 1989 RC | 1996 06 15.88524 | 15 54 05.86 | +01 40 57.7 | 19 R | F 121 |

292 Burlington

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

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

GSC

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| 1978 PU ₂ | 1996 05 25.18715 | 15 35 54.03 | -03 09 38.2 | | 292 |
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| 1988 QU | 1996 05 25.26155 | 16 30 20.56 | +02 54 41.3 | | 292 |
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| (5902) | 1996 05 25.17250 | 15 36 56.88 | -02 58 10.7 | | 292 |
| (5902) | 1996 05 25.18715 | 15 36 56.20 | -02 58 09.6 | | 292 |

327 Peking Observatory, Xinglong Station

J. Zhu, Peking Astronomical Observatory, Chinese Academy of Sciences,
Zhongguancun, Peking 100080, Peoples Republic of China

[jinzhu@bepc2.ihep.ac.cn]

Observers Z. Y. Zheng, C. M. Ma, Y. P. Li, J. Zhu, W. Xu, Y. J. Chen

Measurers Y. P. Li, Y. J. Chen, J. Zhu, C. M. Ma

0.60-m Schmidt + CCD

| | | | | | |
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| 1958 TL ₁ | 1996 06 13.60725 | 16 42 53.92 | -02 30 20.6 | | 327 |
| 1958 TL ₁ | 1996 06 13.62123 | 16 42 53.23 | -02 30 18.1 | | 327 |
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| 1996 OC ₁ | 1996 07 20.75618 | 21 29 05.95 | -17 53 52.3 | 19.1 327 | 1996 OK ₁ | 1996 07 20.75184 | 21 32 28.19 | -17 51 00.6 | 327 |
| 1996 OC ₁ | 1996 07 21.72313 | 21 28 23.11 | -18 00 19.7 | 327 | 1996 OK ₁ | 1996 07 20.76074 | 21 32 27.72 | -17 50 59.6 | 327 |
| 1996 OC ₁ | 1996 07 21.72782 | 21 28 22.87 | -18 00 21.4 | 327 | 1996 OK ₁ | 1996 07 21.73376 | 21 31 39.07 | -17 49 10.6 | 19.4 327 |
| 1996 OC ₁ | 1996 07 21.73815 | 21 28 22.40 | -18 00 25.3 | 18.7 327 | 1996 OK ₁ | 1996 07 21.74252 | 21 31 38.65 | -17 49 09.9 | 327 |
| 1996 OD ₁ | * 1996 07 20.73431 | 21 29 19.89 | -17 21 32.6 | 327 | 1996 OK ₁ | 1996 07 21.75186 | 21 31 38.09 | -17 49 09.0 | 327 |
| 1996 OD ₁ | 1996 07 20.73866 | 21 29 19.67 | -17 21 33.8 | 20.4 327 | 1996 OK ₁ | 1996 07 21.75626 | 21 31 37.92 | -17 49 08.2 | 327 |
| 1996 OD ₁ | 1996 07 20.74299 | 21 29 19.49 | -17 21 34.6 | 327 | 1996 OL ₁ | * 1996 07 20.74299 | 21 33 01.41 | -17 51 29.2 | 17.1 327 |
| 1996 OD ₁ | 1996 07 20.74751 | 21 29 19.25 | -17 21 35.2 | 327 | 1996 OL ₁ | 1996 07 20.75184 | 21 33 00.94 | -17 51 28.8 | 327 |
| 1996 OD ₁ | 1996 07 20.75184 | 21 29 19.06 | -17 21 36.6 | 20.5 327 | 1996 OL ₁ | 1996 07 20.76074 | 21 33 00.46 | -17 51 28.9 | 327 |
| 1996 OD ₁ | 1996 07 20.75618 | 21 29 18.83 | -17 21 37.1 | 327 | 1996 OL ₁ | 1996 07 21.73376 | 21 32 12.58 | -17 51 11.2 | 327 |
| 1996 OD ₁ | 1996 07 20.76074 | 21 29 18.66 | -17 21 38.3 | 327 | 1996 OL ₁ | 1996 07 21.74252 | 21 32 12.13 | -17 51 11.4 | 327 |
| 1996 OD ₁ | 1996 07 21.72782 | 21 28 35.23 | -17 24 40.8 | 327 | 1996 OL ₁ | 1996 07 21.75186 | 21 32 11.74 | -17 51 10.9 | 16.6 327 |
| 1996 OD ₁ | 1996 07 21.73815 | 21 28 34.80 | -17 24 42.5 | 327 | 1996 OL ₁ | 1996 07 21.75626 | 21 32 11.44 | -17 51 10.6 | 327 |
| 1996 OD ₁ | 1996 07 21.74742 | 21 28 34.38 | -17 24 43.5 | 20.6 327 | 1996 OM ₁ | * 1996 07 20.76734 | 22 39 21.00 | -07 51 33.2 | 18.5 327 |
| 1996 OE ₁ | * 1996 07 20.73431 | 21 30 58.56 | -17 19 06.5 | 327 | 1996 OM ₁ | 1996 07 20.78039 | 22 39 20.80 | -07 51 36.7 | 327 |
| 1996 OE ₁ | 1996 07 20.74299 | 21 30 58.21 | -17 19 09.9 | 20.3 327 | 1996 OM ₁ | 1996 07 20.79341 | 22 39 20.58 | -07 51 38.8 | 327 |
| 1996 OE ₁ | 1996 07 20.75184 | 21 30 57.97 | -17 19 14.1 | 327 | 1996 OM ₁ | 1996 07 21.76515 | 22 39 07.63 | -07 55 13.5 | 327 |
| 1996 OE ₁ | 1996 07 20.76074 | 21 30 57.73 | -17 19 17.4 | 327 | 1996 OM ₁ | 1996 07 21.77476 | 22 39 07.52 | -07 55 15.4 | 327 |
| 1996 OE ₁ | 1996 07 21.73376 | 21 30 28.84 | -17 25 31.6 | 327 | 1996 OM ₁ | 1996 07 21.78355 | 22 39 07.36 | -07 55 17.6 | 19.0 327 |
| 1996 OE ₁ | 1996 07 21.74252 | 21 30 28.56 | -17 25 34.4 | 327 | 1996 OM ₁ | 1996 07 21.79341 | 22 39 07.18 | -07 55 19.0 | 327 |
| 1996 OE ₁ | 1996 07 21.75186 | 21 30 28.23 | -17 25 37.8 | 327 | 1996 ON ₁ | * 1996 07 20.76734 | 22 39 28.41 | -08 20 54.4 | 19.8 327 |
| 1996 OE ₁ | 1996 07 21.75626 | 21 30 28.06 | -17 25 39.5 | 20.4 327 | 1996 ON ₁ | 1996 07 20.78039 | 22 39 28.20 | -08 20 56.4 | 327 |
| 1996 OF ₁ | * 1996 07 20.73431 | 21 31 15.57 | -17 09 50.8 | 327 | 1996 ON ₁ | 1996 07 21.76515 | 22 39 11.44 | -08 23 38.0 | 20.3 327 |
| 1996 OF ₁ | 1996 07 20.76074 | 21 31 14.78 | -17 10 04.6 | 19.4 327 | 1996 ON ₁ | 1996 07 21.77476 | 22 39 11.27 | -08 23 39.6 | 327 |
| 1996 OF ₁ | 1996 07 21.73376 | 21 30 48.67 | -17 19 01.4 | 327 | 1996 ON ₁ | 1996 07 21.78355 | 22 39 11.09 | -08 23 40.5 | 327 |
| 1996 OF ₁ | 1996 07 21.74252 | 21 30 48.38 | -17 19 05.1 | 327 | 1996 ON ₁ | 1996 07 21.79341 | 22 39 10.91 | -08 23 41.5 | 327 |
| 1996 OF ₁ | 1996 07 21.75186 | 21 30 48.08 | -17 19 10.2 | 327 | 1996 OO ₁ | * 1996 07 20.76734 | 22 40 42.44 | -08 32 35.4 | 327 |
| 1996 OF ₁ | 1996 07 21.75626 | 21 30 47.95 | -17 19 13.2 | 19.7 327 | 1996 OO ₁ | 1996 07 20.77167 | 22 40 42.33 | -08 32 35.5 | 327 |
| 1996 OG ₁ | * 1996 07 20.73431 | 21 31 44.84 | -17 17 39.6 | 327 | 1996 OO ₁ | 1996 07 20.77605 | 22 40 42.23 | -08 32 35.2 | 18.7 327 |
| 1996 OG ₁ | 1996 07 20.74299 | 21 31 44.47 | -17 17 41.3 | 327 | 1996 OO ₁ | 1996 07 20.78039 | 22 40 42.11 | -08 32 35.3 | 18.7 327 |
| 1996 OG ₁ | 1996 07 20.75184 | 21 31 44.10 | -17 17 43.1 | 20.1 327 | 1996 OO ₁ | 1996 07 20.78473 | 22 40 41.97 | -08 32 35.9 | 327 |
| 1996 OG ₁ | 1996 07 20.76074 | 21 31 43.69 | -17 17 45.2 | 327 | 1996 OO ₁ | 1996 07 20.78907 | 22 40 41.82 | -08 32 36.4 | 327 |
| 1996 OG ₁ | 1996 07 21.74252 | 21 31 03.16 | -17 21 03.9 | 20.4 327 | 1996 OO ₁ | 1996 07 20.79341 | 22 40 41.75 | -08 32 35.5 | 327 |
| 1996 OG ₁ | 1996 07 21.75186 | 21 31 02.74 | -17 21 06.0 | 327 | 1996 OO ₁ | 1996 07 20.79775 | 22 40 41.64 | -08 32 35.7 | 18.6 327 |
| 1996 OG ₁ | 1996 07 21.75626 | 21 31 02.57 | -17 21 06.9 | 327 | 1996 OO ₁ | 1996 07 20.80208 | 22 40 41.48 | -08 32 36.0 | 327 |
| 1996 OH ₁ | * 1996 07 20.73431 | 21 32 26.04 | -17 48 58.1 | 327 | 1996 OO ₁ | 1996 07 21.76515 | 22 40 16.96 | -08 32 46.3 | 327 |

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|----------------------|--------------------|-------------|-------------|--------|-----|----------------------|--------------------|-------------|-------------|--------|-------|
| 1996 OO ₁ | 1996 07 21.77476 | 22 40 16.73 | -08 32 46.6 | | 327 | 1989 RS ₁ | 1996 07 10.68906 | 20 59 22.64 | +02 54 53.5 | | 360 |
| 1996 OO ₁ | 1996 07 21.78355 | 22 40 16.50 | -08 32 46.6 | 19.0 | 327 | 1989 RS ₁ | 1996 07 10.69271 | 20 59 22.77 | +02 54 55.6 | | 360 |
| 1996 OO ₁ | 1996 07 21.79341 | 22 40 16.21 | -08 32 46.5 | | 327 | 1989 RS ₁ | 1996 07 15.65556 | 21 03 56.15 | +03 47 40.8 | 18.5 V | 360 |
| 1996 OP ₁ | * 1996 07 20.77167 | 22 42 51.70 | -08 23 43.0 | 20.3 | 327 | 1989 RS ₁ | 1996 07 15.65903 | 21 03 56.33 | +03 47 42.6 | | 360 |
| 1996 OP ₁ | 1996 07 20.78473 | 22 42 51.43 | -08 23 42.9 | | 327 | 1989 RS ₁ | 1996 07 15.66215 | 21 03 56.46 | +03 47 44.6 | | 360 |
| 1996 OP ₁ | 1996 07 20.79775 | 22 42 51.08 | -08 23 42.6 | | 327 | 1991 CS | 1996 07 24.66615 | 22 37 46.19 | +59 50 03.8 | 17.8 V | 360 |
| 1996 OP ₁ | 1996 07 21.77012 | 22 42 27.75 | -08 23 40.3 | 20.3 | 327 | 1991 CS | 1996 07 24.67066 | 22 37 46.74 | +59 50 04.4 | | 360 |
| 1996 OP ₁ | 1996 07 21.77917 | 22 42 27.47 | -08 23 40.4 | | 327 | 1991 CS | 1996 07 24.67743 | 22 37 47.46 | +59 50 06.0 | | 360 |
| 1996 OP ₁ | 1996 07 21.78799 | 22 42 27.30 | -08 23 40.4 | | 327 | 1992 FL ₁ | 1996 04 11.60469 | 12 13 48.73 | -16 48 57.7 | 16.5 V | 360 |
| 1996 OP ₁ | 1996 07 21.79950 | 22 42 26.94 | -08 23 40.8 | | 327 | 1992 FL ₁ | 1996 04 11.63021 | 12 13 48.31 | -16 49 02.1 | | 360 |
| 1996 OQ ₁ | * 1996 07 20.77167 | 22 43 01.10 | -07 52 04.2 | | 327 | 1992 FL ₁ | 1996 04 11.63472 | 12 13 48.25 | -16 49 02.7 | | 360 |
| 1996 OQ ₁ | 1996 07 20.78473 | 22 43 00.86 | -07 52 05.6 | | 327 | 1992 LC | 1996 07 15.53038 | 14 40 28.00 | -25 54 54.0 | | 360 |
| 1996 OQ ₁ | 1996 07 20.79775 | 22 43 00.59 | -07 52 06.1 | 18.6 | 327 | 1992 LC | 1996 07 15.53316 | 14 40 28.34 | -25 54 56.2 | | 360 |
| 1996 OQ ₁ | 1996 07 21.77012 | 22 42 41.40 | -07 53 36.8 | 18.5 | 327 | 1992 LC | 1996 07 15.53594 | 14 40 28.65 | -25 54 58.3 | | 360 |
| 1996 OQ ₁ | 1996 07 21.77917 | 22 42 41.18 | -07 53 36.9 | | 327 | 1993 TF | 1996 07 20.59184 | 18 29 18.91 | -24 07 23.6 | | c 360 |
| 1996 OQ ₁ | 1996 07 21.78799 | 22 42 40.99 | -07 53 37.7 | | 327 | 1993 TF | 1996 07 20.59635 | 18 29 18.66 | -24 07 24.4 | | c 360 |
| 1996 OQ ₁ | 1996 07 21.79950 | 22 42 40.72 | -07 53 38.7 | | 327 | 1993 TF | 1996 07 20.59983 | 18 29 18.44 | -24 07 25.2 | | c 360 |
| 1996 OR ₁ | * 1996 07 20.80784 | 03 20 39.38 | +21 00 06.2 | | 327 | 1993 VA | 1996 07 23.65799 | 21 54 39.48 | -12 28 42.7 | | 360 |
| 1996 OR ₁ | 1996 07 20.81218 | 03 20 39.70 | +21 00 07.9 | | 327 | 1993 VA | 1996 07 23.66285 | 21 54 39.09 | -12 28 46.3 | | 360 |
| 1996 OR ₁ | 1996 07 20.81653 | 03 20 40.15 | +21 00 09.7 | 19.1 V | 327 | 1993 VA | 1996 07 23.68767 | 21 54 37.27 | -12 29 04.0 | | 360 |
| 1996 OR ₁ | 1996 07 21.80701 | 03 22 08.47 | +21 07 31.7 | 19.1 V | 327 | 1994 PC | 1996 07 13.68993 | 22 32 07.14 | -08 36 58.5 | | 360 |
| 1996 OR ₁ | 1996 07 21.81197 | 03 22 08.86 | +21 07 33.2 | | 327 | 1994 PC | 1996 07 13.69271 | 22 32 07.50 | -08 37 00.1 | | 360 |
| 1996 OR ₁ | 1996 07 21.81678 | 03 22 09.37 | +21 07 36.0 | | 327 | 1994 PC | 1996 07 13.69740 | 22 32 08.12 | -08 37 03.1 | | 360 |
| 1996 OR ₁ | 1996 07 21.82117 | 03 22 09.69 | +21 07 37.7 | | 327 | 1995 DY ₁ | 1996 07 10.64809 | 19 39 46.08 | -11 20 31.6 | 16.5 V | 360 |
| (2811) | 1996 07 20.76734 | 22 41 54.86 | -08 25 50.2 | | 327 | 1995 DY ₁ | 1996 07 10.65226 | 19 39 45.84 | -11 20 31.5 | | 360 |
| (2811) | 1996 07 20.77167 | 22 41 54.78 | -08 25 51.1 | | 327 | 1995 DY ₁ | 1996 07 10.65694 | 19 39 45.56 | -11 20 31.6 | | 360 |
| (2811) | 1996 07 20.77605 | 22 41 54.71 | -08 25 51.7 | | 327 | 1995 DY ₁ | 1996 07 11.52396 | 19 38 56.72 | -11 20 55.6 | | 360 |
| (2811) | 1996 07 20.78039 | 22 41 54.59 | -08 25 52.0 | 17.1 | 327 | 1995 DY ₁ | 1996 07 11.52813 | 19 38 56.48 | -11 20 55.6 | | 360 |
| (2811) | 1996 07 20.78473 | 22 41 54.50 | -08 25 52.2 | 17.1 | 327 | 1995 DY ₁ | 1996 07 15.62135 | 19 34 58.51 | -11 24 29.8 | 16.6 V | 360 |
| (2811) | 1996 07 20.78907 | 22 41 54.44 | -08 25 53.3 | | 327 | 1995 DY ₁ | 1996 07 15.62587 | 19 34 58.23 | -11 24 30.2 | | 360 |
| (2811) | 1996 07 20.79341 | 22 41 54.32 | -08 25 53.7 | | 327 | 1996 EN | 1996 07 15.47500 | 12 00 00.98 | +48 51 15.1 | | 360 |
| (2811) | 1996 07 20.79775 | 22 41 54.21 | -08 25 54.1 | | 327 | 1996 EN | 1996 07 15.47917 | 12 00 01.67 | +48 51 15.5 | 18.1 V | 360 |
| (2811) | 1996 07 20.80208 | 22 41 54.13 | -08 25 54.2 | | 327 | 1996 EN | 1996 07 15.48368 | 12 00 02.43 | +48 51 15.5 | | 360 |
| (2811) | 1996 07 21.77012 | 22 41 34.21 | -08 27 37.7 | 17.2 | 327 | 1996 FO ₃ | 1996 04 11.61563 | 13 40 04.21 | -38 15 41.7 | 18.9 V | b 360 |
| (2811) | 1996 07 21.77917 | 22 41 34.00 | -08 27 39.0 | | 327 | 1996 FO ₃ | 1996 04 11.62014 | 13 40 03.66 | -38 15 38.7 | | b 360 |
| (2811) | 1996 07 21.78799 | 22 41 33.79 | -08 27 40.3 | | 327 | 1996 FO ₃ | 1996 04 11.62500 | 13 40 03.12 | -38 15 37.6 | | b 360 |
| (2811) | 1996 07 21.79950 | 22 41 33.53 | -08 27 41.2 | | 327 | 1996 FQ ₃ | 1996 07 15.63438 | 20 11 34.64 | -17 32 17.0 | 19.6 V | 360 |
| (7029) | 1996 06 13.61235 | 16 30 49.82 | -06 14 23.5 | | 327 | 1996 FQ ₃ | 1996 07 15.63941 | 20 11 34.33 | -17 32 19.8 | | 360 |
| (7029) | 1996 06 13.63875 | 16 30 48.66 | -06 14 23.2 | 18.0 | 327 | 1996 FQ ₃ | 1996 07 15.64896 | 20 11 33.73 | -17 32 23.6 | | 360 |
| (7029) | 1996 06 13.65277 | 16 30 48.08 | -06 14 23.2 | | 327 | 1996 NW | * 1996 07 15.63438 | 20 11 23.45 | -17 32 20.9 | 18.8 V | 360 |
| | | | | | | 1996 NW | 1996 07 15.63941 | 20 11 23.15 | -17 32 21.8 | | 360 |
| | | | | | | 1996 NW | 1996 07 15.64896 | 20 11 22.63 | -17 32 22.7 | | 360 |
| | | | | | | 1996 NW | 1996 07 16.62865 | 20 10 30.39 | -17 34 02.9 | 18.7 V | 360 |
| | | | | | | 1996 NW | 1996 07 16.64028 | 20 10 29.75 | -17 34 04.3 | | 360 |
| | | | | | | 1996 NW | 1996 07 16.64896 | 20 10 29.26 | -17 34 05.4 | | 360 |
| | | | | | | 1996 NW | 1996 07 20.61319 | 20 06 54.41 | -17 41 06.5 | | 360 |
| | | | | | | 1996 NW | 1996 07 20.62049 | 20 06 53.99 | -17 41 07.3 | | 360 |
| | | | | | | 1996 NW | 1996 07 23.63038 | 20 04 08.91 | -17 46 37.5 | 18.7 V | 360 |
| | | | | | | 1996 NW | 1996 07 23.63681 | 20 04 08.51 | -17 46 38.0 | | 360 |
| | | | | | | 1996 NW | 1996 07 23.65000 | 20 04 07.80 | -17 46 39.6 | | 360 |
| | | | | | | 1996 OL | * 1996 07 16.74236 | 23 14 06.06 | -10 55 11.6 | 17.9 V | 360 |
| | | | | | | 1996 OL | 1996 07 16.74549 | 23 14 06.12 | -10 55 12.3 | | 360 |

360 Kuma Kogen Astronomical Observatory

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

Japan [gcc00404@niftyserve.or.jp]

0.60-m $f/6.0$ Ritchey-Chrétien + CCD

GSC

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|----------------------|------------------|-------------|-------------|--------|-------|
| 1987 PA | 1996 07 16.74236 | 23 14 23.66 | -10 54 47.8 | 17.6 V | 360 |
| 1987 PA | 1996 07 16.74549 | 23 14 23.55 | -10 54 33.9 | | 360 |
| 1987 PA | 1996 07 16.75069 | 23 14 23.39 | -10 54 10.8 | | 360 |
| 1989 JA | 1996 04 11.58368 | 12 16 33.80 | +31 07 11.5 | 18.6 V | r 360 |
| 1989 JA | 1996 04 11.58889 | 12 16 33.06 | +31 07 12.0 | | r 360 |
| 1989 JA | 1996 04 11.59392 | 12 16 32.34 | +31 07 12.7 | | r 360 |
| 1989 RS ₁ | 1996 07 10.68490 | 20 59 22.41 | +02 54 50.4 | 18.5 V | 360 |

| | | | | | |
|----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 OL | 1996 07 16.75069 | 23 14 06.25 | -10 55 13.1 | | 360 |
| 1996 OL | 1996 07 20.65139 | 23 15 36.18 | -11 06 18.0 | | 360 |
| 1996 OL | 1996 07 20.65694 | 23 15 36.27 | -11 06 19.1 | | 360 |
| 1996 OL | 1996 07 20.69340 | 23 15 36.87 | -11 06 26.5 | | 360 |
| 1996 OL | 1996 07 23.70799 | 23 16 24.96 | -11 17 21.5 | | 360 |
| 1996 OL | 1996 07 23.71632 | 23 16 25.03 | -11 17 23.4 | | 360 |
| 1996 OL | 1996 07 23.72083 | 23 16 25.07 | -11 17 24.6 | | 360 |
| 1996 OL | 1996 07 26.71806 | 23 16 54.39 | -11 30 12.7 | 17.5 V | 360 |
| 1996 OL | 1996 07 26.72431 | 23 16 54.41 | -11 30 14.6 | | 360 |
| 1996 OB ₁ | * 1996 07 23.63038 | 20 03 44.94 | -17 49 37.1 | 18.6 V | 360 |
| 1996 OB ₁ | 1996 07 23.63681 | 20 03 44.59 | -17 49 39.0 | | 360 |
| 1996 OB ₁ | 1996 07 23.65000 | 20 03 43.88 | -17 49 42.9 | | 360 |
| 1996 OB ₁ | 1996 07 24.63889 | 20 02 54.07 | -17 54 34.0 | 18.5 V | 360 |
| 1996 OB ₁ | 1996 07 24.64809 | 20 02 53.56 | -17 54 36.8 | | 360 |
| 1996 OB ₁ | 1996 07 24.65295 | 20 02 53.27 | -17 54 37.8 | | 360 |
| 1996 OB ₁ | 1996 07 26.66979 | 20 01 12.59 | -18 04 31.9 | 18.7 V | 360 |
| 1996 OB ₁ | 1996 07 26.67639 | 20 01 12.25 | -18 04 33.8 | | 360 |
| 1996 OB ₁ | 1996 07 26.68194 | 20 01 11.94 | -18 04 35.4 | | 360 |
| (297) | 1996 04 11.64392 | 13 41 02.09 | -20 00 49.1 | 14.0 V | 360 |
| (297) | 1996 04 11.64931 | 13 41 01.83 | -20 00 48.3 | | 360 |
| (1250) | 1996 07 16.67240 | 22 44 24.87 | +05 23 23.6 | 17.7 V | 360 |
| (1250) | 1996 07 16.67708 | 22 44 24.74 | +05 23 24.6 | | 360 |
| (1250) | 1996 07 20.63038 | 22 42 40.52 | +05 36 13.8 | | 360 |
| (1250) | 1996 07 20.63403 | 22 42 40.41 | +05 36 14.3 | | 360 |
| (1505) | 1996 07 13.66563 | 20 49 53.30 | +02 39 30.1 | | 360 |
| (1505) | 1996 07 13.66944 | 20 49 53.11 | +02 39 30.8 | | 360 |
| (1505) | 1996 07 15.66701 | 20 48 16.20 | +02 45 25.6 | | 360 |
| (1505) | 1996 07 15.67465 | 20 48 15.83 | +02 45 26.9 | | 360 |
| (2799) | 1996 04 11.64392 | 13 41 00.90 | -19 57 20.0 | 18.0 V | 360 |
| (2799) | 1996 04 11.64931 | 13 41 00.59 | -19 57 18.4 | | 360 |
| (3493) | 1996 07 13.61649 | 19 12 43.01 | -19 49 37.3 | I 360 | |
| (3493) | 1996 07 13.62135 | 19 12 42.66 | -19 49 39.1 | I 360 | |
| (3493) | 1996 07 13.63090 | 19 12 42.04 | -19 49 42.2 | | 360 |
| (3493) | 1996 07 15.59965 | 19 10 38.43 | -20 00 33.2 | | 360 |
| (3493) | 1996 07 15.60365 | 19 10 38.16 | -20 00 34.7 | I 360 | |
| (3770) | 1996 04 11.65365 | 14 21 46.51 | -22 10 29.9 | 18.2 V | 360 |
| (3770) | 1996 04 11.65885 | 14 21 46.18 | -22 10 29.5 | | 360 |
| (3908) | 1996 07 13.67465 | 21 23 48.91 | -11 05 27.0 | | 360 |
| (3908) | 1996 07 13.68125 | 21 23 48.94 | -11 05 23.9 | | 360 |
| (3908) | 1996 07 16.68281 | 21 24 09.75 | -10 43 18.1 | 17.5 V | 360 |
| (3908) | 1996 07 16.69028 | 21 24 09.73 | -10 43 14.7 | | 360 |
| (4795) | 1996 04 11.71979 | 14 56 06.53 | -06 31 36.4 | 16.2 V | 360 |
| (4795) | 1996 04 11.72535 | 14 56 06.32 | -06 31 34.3 | | 360 |

367 Yatsuka

H. Abe, 461-2, Futago, Yatsuka-Cho, Shimane-Ken, 690-14 Japan
0.26-m $f/6.0$ reflector + CCD
GSC

| | | | | | |
|---------|------------------|-------------|-------------|--------|-----|
| 1993 TX | 1996 04 09.60833 | 14 32 36.49 | -12 27 26.4 | 18.2 V | 367 |
| 1993 TX | 1996 04 09.61285 | 14 32 36.22 | -12 27 26.1 | | 367 |
| 1993 TX | 1996 04 21.55625 | 14 22 03.95 | -12 02 57.5 | 18.1 V | 367 |
| 1993 TX | 1996 04 21.56076 | 14 22 03.61 | -12 02 56.8 | | 367 |

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|---------|------------------|-------------|-------------|--------|-----|
| 1996 JF | 1996 06 05.62925 | 15 06 42.53 | -15 41 30.3 | 17.7 V | 367 |
| 1996 JF | 1996 06 05.64512 | 15 06 41.81 | -15 41 32.2 | | 367 |

385 Nihondaira Observatory Oohira station

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

0.31-m $f/4.7$ reflector + CCD

GSC

| | | | | | |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1991 DD | 1996 07 11.65199 | 20 20 03.22 | -23 30 40.5 | 17 V | 385 |
| 1991 DD | 1996 07 11.65624 | 20 20 02.90 | -23 30 41.2 | | 385 |
| 1991 DD | 1996 07 11.66078 | 20 20 02.68 | -23 30 41.8 | | 385 |
| 1994 CV ₂ | 1996 07 11.66671 | 20 59 28.55 | -05 50 56.3 | 17 V | 385 |
| 1994 CV ₂ | 1996 07 11.67109 | 20 59 28.42 | -05 50 56.9 | | 385 |
| 1994 CV ₂ | 1996 07 11.67530 | 20 59 28.21 | -05 50 57.8 | | 385 |
| 1995 DD ₂ | 1996 07 11.60660 | 17 40 10.80 | -08 03 42.1 | 16.5 V | 385 |
| 1995 DD ₂ | 1996 07 11.61501 | 17 40 10.50 | -08 03 43.7 | | 385 |
| 1995 DD ₂ | 1996 07 11.61791 | 17 40 10.37 | -08 03 44.4 | | 385 |

388 National Observatory, Mitaka

I. Sato, National Astronomical Observatory, Mitaka, Tokyo, 181 Japan

[satoois@cc.nao.ac.jp]

Observers N. Yamamoto, I. Sato

Measurer I. Sato

0.50-m $f/12$ reflector + CCD

GSC

| | | | | | |
|--------|------------------|-------------|-------------|--------|-----|
| (569) | 1996 07 01.63873 | 23 13 06.04 | -04 16 15.7 | 15.2 I | 388 |
| (569) | 1996 07 01.64213 | 23 13 06.12 | -04 16 15.4 | 15.2 I | 388 |
| (569) | 1996 07 01.64449 | 23 13 06.16 | -04 16 15.0 | 15.1 I | 388 |
| (569) | 1996 07 01.64688 | 23 13 06.20 | -04 16 14.7 | 15.3 I | 388 |
| (569) | 1996 07 01.64926 | 23 13 06.23 | -04 16 14.3 | 15.2 I | 388 |
| (569) | 1996 07 01.65162 | 23 13 06.28 | -04 16 13.8 | 15.1 I | 388 |
| (569) | 1996 07 01.65400 | 23 13 06.33 | -04 16 13.7 | 15.2 I | 388 |
| (1774) | 1996 07 11.55715 | 19 23 11.57 | -19 29 39.4 | 16.4 I | 388 |
| (1774) | 1996 07 11.56016 | 19 23 11.41 | -19 29 39.6 | 16.5 I | 388 |
| (1774) | 1996 07 11.56322 | 19 23 11.25 | -19 29 40.2 | 16.5 I | 388 |
| (1774) | 1996 07 11.56625 | 19 23 11.11 | -19 29 40.3 | 16.3 I | 388 |
| (1774) | 1996 07 11.56933 | 19 23 10.93 | -19 29 40.9 | 16.4 I | 388 |
| (1774) | 1996 07 11.57241 | 19 23 10.75 | -19 29 41.3 | 16.3 I | 388 |

400 Kitami

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

Observer K. Endate

Measurers K. Watanabe, K. Endate

0.25-m $f/3.4$ hyperboloid astrocamera + CCD, 0.25-m $f/2.6$ Schmidt camera

GSC

| | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-----|
| 1993 ST ₁₄ | * 1993 09 18.64722 | 00 56 33.77 | -01 39 07.9 | 16.5 | 400 |
| 1993 ST ₁₄ | 1993 09 18.66319 | 00 56 33.32 | -01 39 08.8 | | 400 |

413 Siding Spring

R. H. McNaught, Anglo-Australian Observatory, Coonabarabran, N.S.W. 2357, Australia [rmn@aacbn1.aao.gov.au]

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

[classe@laban.uu.se] (3)

Observers R. H. McNaught, G. J. Garradd, D. I. Steel, Q. A. Parker, K. S. Russell

Measurers R. H. McNaught, G. J. Garradd, O. Hernius
 1.0-m reflector + CCD, 1.2-m U.K. Schmidt, 1.2-m reflector + CCD
 GSC, Perth 70

| | | | | | | | | | | | |
|-----------------------|------------------|-------------|-------------|------|-----|----------------------|------------------|-------------------|-------------|-------------|----------|
| 1987 OA | 1996 07 18.56819 | 16 46 15.08 | -05 02 59.3 | | 413 | 1995 QY ₂ | 1996 05 28.35330 | 07 34 59.47 | +18 01 11.7 | | 413 |
| 1987 OA | 1996 07 18.57250 | 16 46 14.66 | -05 03 00.2 | | 413 | 1995 QY ₂ | 1996 05 28.35658 | 07 34 59.93 | +18 01 11.8 | | 413 |
| 1987 PA | 1996 03 27.58060 | 16 09 12.40 | -51 23 44.5 | I | 413 | 1995 UO ₅ | 1996 07 18.36761 | 08 09 37.38 | -53 30 27.6 | | 413 |
| 1987 QX | 1996 07 19.55896 | 18 17 01.82 | -48 10 10.1 | | 413 | 1995 UO ₅ | 1996 07 18.37016 | 08 09 37.64 | -53 30 37.6 | V | 413 |
| 1987 QX | 1996 07 19.56320 | 18 17 01.46 | -48 10 08.8 | | 413 | 1995 UO ₅ | 1996 07 18.37544 | 08 09 37.89 | -53 31 00.7 | V | 413 |
| 1989 JA | 1996 06 08.39806 | 11 13 40.66 | +12 34 26.2 | | 413 | 1996 FG ₃ | 1996 05 28.38231 | 08 22 47.41 | +11 44 22.1 | | 413 |
| 1989 JA | 1996 06 08.40090 | 11 13 40.72 | +12 34 19.8 | b | 413 | 1996 FG ₃ | 1996 05 28.38470 | 08 22 46.98 | +11 44 25.0 | F | 413 |
| 1989 JA | 1996 07 18.39079 | 11 34 55.58 | -16 44 31.2 | | 413 | 1996 FQ ₃ | 1996 07 18.61933 | 20 09 00.46 | -17 53 03.0 | | 413 |
| 1989 JA | 1996 07 18.39287 | 11 34 55.62 | -16 44 38.2 | | 413 | 1996 FQ ₃ | 1996 07 18.62275 | 20 09 00.25 | -17 53 04.3 | | 413 |
| 1989 RC | 1996 06 08.46368 | 16 02 18.23 | +01 20 51.8 | | 413 | 1996 FQ ₃ | 1996 07 19.63589 | 20 08 10.13 | -17 59 58.2 | U | 413 |
| 1989 RC | 1996 06 08.46683 | 16 02 17.99 | +01 20 52.6 | | 413 | 1996 HW ₁ | 1996 06 08.44678 | 14 23 11.84 | -01 46 13.9 | | 413 |
| 1989 RC | 1996 07 18.47477 | 15 42 17.47 | -03 20 04.5 | | 413 | 1996 HW ₁ | 1996 06 08.45051 | 14 23 11.67 | -01 46 13.3 | | 413 |
| 1989 RC | 1996 07 18.47725 | 15 42 17.53 | -03 20 07.5 | | 413 | 1996 HW ₁ | 1996 06 08.45328 | 14 23 11.54 | -01 46 12.6 | | 413 |
| 1989 RS ₁ | 1996 06 08.77094 | 20 25 47.05 | -03 50 03.5 | | 413 | 1996 HW ₁ | 1996 07 18.42075 | 14 20 18.68 | -03 11 21.8 | | 413 |
| 1989 RS ₁ | 1996 06 08.77380 | 20 25 47.28 | -03 50 01.1 | | 413 | 1996 HW ₁ | 1996 07 18.42357 | 14 20 18.77 | -03 11 22.8 | | 413 |
| 1991 CM ₂ | 1991 02 25.72882 | 10 54 12.34 | -16 40 34.9 | | 413 | 1996 KE | 1996 06 08.44040 | 13 40 21.84 | -52 02 30.4 | | 413 |
| 1991 VK | 1996 07 19.77411 | 00 35 34.17 | +09 45 00.9 | | 413 | 1996 KE | 1996 06 08.44378 | 13 40 21.20 | -52 02 47.3 | | 413 |
| 1991 VK | 1996 07 19.77843 | 00 35 34.40 | +09 45 03.3 | F | 413 | 1996 KE | 1996 06 09.63102 | 13 37 02.27 | -53 41 03.9 | | 413 |
| 1992 AA | 1996 07 19.56919 | 20 15 52.39 | -23 46 01.6 | | 413 | 1996 KE | 1996 06 09.63575 | 13 37 01.45 | -53 41 26.5 | | 413 |
| 1992 AA | 1996 07 19.57489 | 20 15 51.89 | -23 46 03.8 | | 413 | 1996 KE | 1996 06 09.63780 | 13 37 01.10 | -53 41 35.9 | | 413 |
| 1992 FL ₁ | 1996 06 08.42759 | 13 04 41.98 | -18 35 09.8 | | 413 | 1996 KE | 1996 06 10.34943 | 13 35 11.10 | -54 38 20.7 | | 413 |
| 1992 FL ₁ | 1996 06 08.43159 | 13 04 42.39 | -18 35 10.8 | | 413 | 1996 KE | 1996 06 10.35214 | 13 35 10.61 | -54 38 33.8 | | 413 |
| 1992 JB | 1996 06 08.57781 | 19 51 52.73 | +10 28 28.5 | | 413 | 1996 KE | 1996 07 18.40792 | 13 52 58.56 | -79 24 45.9 | | 413 |
| 1992 JB | 1996 06 08.58237 | 19 51 52.39 | +10 28 32.2 | | 413 | 1996 KE | 1996 07 18.41181 | 13 52 59.90 | -79 24 49.8 | | 413 |
| 1992 JB | 1996 07 18.61073 | 18 50 10.45 | +12 04 57.8 | | 413 | 1996 MO | 1996 07 18.62769 | 20 24 03.96 | -10 28 35.9 | | 413 |
| 1992 JB | 1996 07 18.61515 | 18 50 10.05 | +12 04 54.8 | | 413 | 1996 MO | 1996 07 18.63178 | 20 24 03.55 | -10 28 37.8 | | 413 |
| 1992 LC | 1996 06 08.43523 | 13 07 13.28 | -06 59 07.4 | | 413 | 1996 MO | 1996 07 19.59887 | 20 22 29.27 | -10 37 26.7 | I | 413 |
| 1992 LC | 1996 06 08.43749 | 13 07 13.78 | -06 59 16.3 | | 413 | 1996 MO | 1996 07 19.60656 | 20 22 28.63 | -10 37 30.3 | p | 413 |
| 1992 LC | 1996 07 18.44776 | 14 46 03.85 | -26 32 30.9 | | 413 | 1996 MO | 1996 07 19.61274 | 20 22 27.80 | -10 37 34.0 | | 413 |
| 1992 LC | 1996 07 18.44974 | 14 46 04.08 | -26 32 32.3 | | 413 | 1996 NY | 1996 07 11.55894 | 19 33 25.60 | -32 21 50.1 | 15.5 V | 413 |
| 1992 SL | 1996 07 18.42951 | 13 20 38.63 | -20 07 31.4 | | 413 | 1996 NY | 1996 07 11.62144 | 19 33 21.98 | -32 22 42.6 | | 413 |
| 1992 SL | 1996 07 18.43329 | 13 20 38.96 | -20 07 32.7 | | 413 | 1996 NY | 1996 07 18.66854 | 19 26 47.57 | -33 59 35.2 | | 413 |
| 1992 VM | 1996 07 19.58061 | 17 37 07.16 | -10 24 15.3 | | 413 | 1996 NY | 1996 07 18.67493 | 19 26 47.19 | -33 59 40.0 | | 413 |
| 1993 FA ₆₃ | 1993 04 17.48468 | 11 50 57.18 | -07 36 24.6 | 19.0 | 3 | 413 | 1996 NY | 1996 07 19.50821 | 19 26 01.26 | -34 10 24.1 | 413 |
| 1993 HA | 1996 07 18.58512 | 17 22 39.32 | -01 41 00.6 | | 413 | (253) | 1996 NY | 1996 07 19.51119 | 19 26 01.09 | -34 10 26.6 | 413 |
| 1993 HA | 1996 07 18.59144 | 17 22 38.97 | -01 41 04.7 | | 413 | (253) | 1996 NY | 1996 07 19.51821 | 19 26 00.67 | -34 10 31.9 | 413 |
| 1993 HA | 1996 07 19.53147 | 17 21 52.83 | -01 51 48.8 | | 413 | (253) | 1996 NY | 1996 06 08.45621 | 14 34 46.52 | -06 44 57.7 | 413 |
| 1993 HA | 1996 07 19.53711 | 17 21 52.55 | -01 51 52.7 | | 413 | (253) | 1996 NY | 1996 06 08.45815 | 14 34 46.45 | -06 44 57.5 | 413 |
| 1993 HO ₁ | 1996 07 19.48902 | 16 26 29.77 | -29 49 53.6 | F | 413 | (253) | 1996 NY | 1996 06 08.46040 | 14 34 46.39 | -06 44 57.3 | 413 |
| 1993 HO ₁ | 1996 07 19.49342 | 16 26 29.63 | -29 49 52.0 | | 413 | (253) | 1996 NY | 1996 06 09.57591 | 14 34 13.57 | -06 42 58.5 | 413 |
| 1993 VA | 1996 07 19.75720 | 21 58 52.83 | -11 44 43.6 | | 413 | (253) | 1996 NY | 1996 06 09.58337 | 14 34 13.35 | -06 42 57.7 | 413 |
| 1993 VA | 1996 07 19.75977 | 21 58 52.65 | -11 44 45.7 | | 413 | (253) | 1996 NY | 1996 06 10.34495 | 14 33 52.48 | -06 41 44.3 | 413 |
| 1993 XN ₂ | 1996 07 18.45482 | 15 32 00.06 | -54 56 39.3 | | 413 | (778) | 1996 NY | 1996 06 10.34700 | 14 33 52.43 | -06 41 44.0 | 413 |
| 1993 XN ₂ | 1996 07 18.45746 | 15 31 59.65 | -54 56 40.0 | | 413 | (778) | 1996 NY | 1996 07 18.43881 | 14 34 58.14 | -07 37 31.7 | 413 |
| 1995 AM | 1996 05 26.55978 | 12 45 01.28 | +01 58 41.5 | V | 413 | (887) | 1996 NY | 1996 07 18.44082 | 14 34 58.21 | -07 37 32.2 | 413 |
| 1995 AM | 1996 05 26.56510 | 12 45 01.18 | +01 58 40.7 | V | 413 | (887) | 1996 NY | 1996 07 11.55894 | 19 31 21.47 | -32 00 43.8 | 16 V 413 |
| 1995 LG | 1996 07 18.47066 | 16 28 02.74 | -06 25 31.0 | | 413 | (1566) | 1996 NY | 1996 07 11.62144 | 19 31 18.14 | -32 00 43.4 | 413 |
| 1995 LG | 1996 07 18.47257 | 16 28 02.05 | -06 25 25.6 | | 413 | (1566) | 1996 NY | 1996 07 19.61832 | 21 13 36.54 | -20 30 43.6 | 413 |
| 1995 LG | 1996 07 19.50303 | 16 22 10.11 | -05 37 52.0 | | 413 | (1566) | 1996 NY | 1996 07 19.62355 | 21 13 36.27 | -20 30 45.2 | 413 |
| | | | | | | | | 1996 06 08.842325 | 22 18 11.64 | +07 51 08.0 | 413 |
| | | | | | | | | 1996 06 08.844091 | 22 18 08.78 | +07 50 44.4 | 413 |
| | | | | | | | | 1996 06 08.845738 | 22 18 06.09 | +07 50 22.0 | 413 |

| | | | | |
|--------|-------------------|-------------|-------------|-----|
| (1566) | 1996 06 09.783206 | 21 52 18.73 | +04 09 00.5 | 413 |
| (1566) | 1996 06 09.786569 | 21 52 12.89 | +04 08 10.6 | 413 |
| (1566) | 1996 06 10.73429 | 21 24 42.06 | +00 06 30.8 | 413 |
| (1566) | 1996 06 10.73583 | 21 24 39.27 | +00 06 06.4 | 413 |
| (1566) | 1996 06 10.73748 | 21 24 36.29 | +00 05 40.7 | 413 |
| (1921) | 1996 06 08.60901 | 20 48 26.59 | -44 38 20.9 | 413 |
| (1921) | 1996 06 08.61419 | 20 48 26.60 | -44 38 22.8 | 413 |
| (2063) | 1996 06 08.40365 | 12 38 48.05 | -14 27 15.9 | 413 |
| (2063) | 1996 06 08.40686 | 12 38 48.26 | -14 27 18.2 | 413 |
| (3506) | 1996 07 11.55894 | 19 38 55.90 | -32 31 24.6 | 413 |
| (3506) | 1996 07 11.62144 | 19 38 52.31 | -32 31 26.0 | 413 |
| (3753) | 1996 06 08.83138 | 01 07 21.08 | -02 45 30.6 | 413 |
| (3908) | 1996 07 19.62804 | 21 24 12.52 | -10 21 14.4 | 413 |
| (3908) | 1996 07 19.63167 | 21 24 12.49 | -10 21 13.0 | 413 |
| (4015) | 1996 07 18.45194 | 14 59 03.72 | -18 01 15.4 | 413 |
| (4015) | 1996 07 18.48160 | 14 59 03.65 | -18 01 11.8 | 413 |
| (4401) | 1995 03 28.78413 | 16 07 34.82 | -37 15 32.7 | 413 |
| (4953) | 1996 07 18.44344 | 14 38 46.47 | -30 59 58.0 | 413 |
| (4953) | 1996 07 18.44506 | 14 38 46.80 | -31 00 00.8 | 413 |

421 Kajigamori

K. Muraoka, 1-605 Shiomidai, Kochi-shi, Kochi-Ken, 781-51 Japan

[qga01030@niftyserve.or.jp]

0.60-m $f/4.0$ reflector + CCD

GSC

| | | | | |
|--------|------------------|-------------|-------------|------------|
| (2060) | 1996 06 05.56802 | 12 26 12.80 | -04 54 46.9 | 421 |
| (2060) | 1996 06 05.57693 | 12 26 12.81 | -04 54 46.5 | 15.9 V 421 |
| (4015) | 1996 07 11.57848 | 15 00 01.53 | -18 18 17.1 | 421 |
| (4015) | 1996 07 11.58672 | 15 00 01.32 | -18 18 15.3 | 421 |
| (4015) | 1996 07 11.59433 | 15 00 01.12 | -18 18 13.6 | 20.0 V 421 |

423 North Ryde

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

[mcandrew@trinity.nsw.edu.au]

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

GSC

| | | | | |
|---------|------------------|-------------|-------------|------------|
| 1991 GR | 1996 06 21.62815 | 21 18 14.05 | -40 36 12.2 | 423 |
| 1991 GR | 1996 06 21.64711 | 21 18 13.79 | -40 36 20.9 | 423 |
| 1991 GR | 1996 06 21.67616 | 21 18 13.29 | -40 36 34.1 | 423 |
| 1991 GR | 1996 06 21.68809 | 21 18 13.10 | -40 36 38.1 | 423 |
| 1991 GR | 1996 06 24.61582 | 21 17 25.19 | -40 58 39.6 | 423 |
| 1991 GR | 1996 06 24.63466 | 21 17 24.74 | -40 58 48.2 | 423 |
| 1991 GR | 1996 06 24.65890 | 21 17 24.25 | -40 58 59.7 | 423 |
| 1991 GR | 1996 06 24.68139 | 21 17 23.73 | -40 59 10.0 | 423 |
| 1991 GR | 1996 06 24.70201 | 21 17 23.27 | -40 59 19.0 | 423 |
| 1991 GR | 1996 06 24.71882 | 21 17 22.94 | -40 59 26.9 | 423 |
| 1993 XR | 1996 07 08.55885 | 20 07 12.08 | -33 50 11.4 | 16.7 V 423 |
| 1993 XR | 1996 07 08.56956 | 20 07 11.49 | -33 50 18.2 | 16.3 V 423 |
| 1993 XR | 1996 07 08.60715 | 20 07 09.52 | -33 50 43.6 | 16.9 V 423 |
| 1993 XR | 1996 07 08.63663 | 20 07 07.96 | -33 51 03.1 | 16.7 V 423 |
| 1993 XR | 1996 07 08.65838 | 20 07 06.78 | -33 51 16.4 | 16.7 V 423 |
| 1993 XR | 1996 07 08.67856 | 20 07 05.68 | -33 51 29.6 | 16.9 V 423 |
| 1993 XR | 1996 07 08.68814 | 20 07 05.16 | -33 51 36.4 | 16.8 V 423 |

| | | | | |
|---------|------------------|-------------|-------------|------------|
| 1993 XR | 1996 07 11.63604 | 20 04 33.11 | -34 23 06.8 | 16.8 V 423 |
| 1993 XR | 1996 07 11.66082 | 20 04 31.68 | -34 23 22.0 | 16.6 V 423 |
| 1993 XR | 1996 07 11.66985 | 20 04 31.17 | -34 23 27.6 | 16.5 V 423 |
| 1993 XR | 1996 07 11.67767 | 20 04 30.72 | -34 23 32.5 | 16.7 V 423 |
| 1993 XR | 1996 07 11.68407 | 20 04 30.38 | -34 23 36.9 | 16.5 V 423 |
| 1996 JG | 1996 05 22.52036 | 13 47 38.41 | -37 52 10.8 | 423 |
| 1996 JG | 1996 05 22.52370 | 13 47 25.88 | -37 53 25.3 | 423 |
| 1996 JG | 1996 05 22.54630 | 13 46 00.55 | -38 01 50.3 | 423 |
| 1996 JG | 1996 05 22.55543 | 13 45 25.72 | -38 05 14.5 | 423 |
| 1996 JG | 1996 05 22.56154 | 13 45 02.26 | -38 07 30.6 | 423 |
| 1996 JG | 1996 05 22.56375 | 13 44 53.77 | -38 08 20.6 | 423 |
| (247) | 1996 07 02.60623 | 22 54 52.91 | -35 02 01.9 | 423 |
| (247) | 1996 07 02.66380 | 22 54 52.62 | -35 02 14.8 | 423 |
| (907) | 1996 06 07.54913 | 19 53 26.68 | -44 15 01.9 | 423 |
| (907) | 1996 06 07.57624 | 19 53 25.74 | -44 15 15.8 | 423 |
| (907) | 1996 06 07.62289 | 19 53 24.03 | -44 15 39.1 | 423 |
| (907) | 1996 06 08.53204 | 19 52 51.74 | -44 23 10.0 | 423 |
| (907) | 1996 06 08.58800 | 19 52 49.65 | -44 23 38.4 | 423 |
| (907) | 1996 06 08.61976 | 19 52 48.45 | -44 23 54.4 | 423 |
| (1566) | 1996 06 19.58106 | 17 54 42.20 | -24 53 07.2 | 423 |
| (1566) | 1996 06 19.58825 | 17 54 35.94 | -24 53 33.7 | 423 |
| (1566) | 1996 06 19.60873 | 17 54 18.12 | -24 54 48.9 | 423 |
| (1566) | 1996 06 19.62315 | 17 54 05.72 | -24 55 43.2 | 423 |
| (1566) | 1996 06 19.62912 | 17 54 00.46 | -24 56 04.5 | 423 |
| (1566) | 1996 06 19.64910 | 17 53 43.28 | -24 57 17.2 | 423 |
| (1566) | 1996 06 20.57209 | 17 41 34.82 | -25 48 12.2 | 423 |
| (1566) | 1996 06 20.58712 | 17 41 23.30 | -25 48 54.9 | 423 |
| (1566) | 1996 06 20.62377 | 17 40 55.54 | -25 50 42.2 | 423 |
| (1566) | 1996 06 20.63912 | 17 40 43.93 | -25 51 27.3 | 423 |

540 Linz

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

Observers E. Meyer, H. Raab

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

GSC

| | | | | |
|----------------------|------------------|-------------|-------------|------------|
| 1989 AD ₃ | 1996 07 22.91941 | 21 12 34.26 | -16 17 06.2 | 17.3 R 540 |
| 1989 AD ₃ | 1996 07 22.92488 | 21 12 34.05 | -16 17 07.5 | 540 |
| 1989 AD ₃ | 1996 07 22.93002 | 21 12 33.79 | -16 17 08.8 | 540 |
| 1996 OH | 1996 07 22.88316 | 20 44 26.05 | -18 02 18.2 | 18.5 R 540 |
| 1996 OH | 1996 07 22.89032 | 20 44 25.76 | -18 02 21.2 | I 540 |
| 1996 OJ | 1996 07 22.91941 | 21 13 27.11 | -16 16 31.9 | 17.6 R 540 |
| 1996 OJ | 1996 07 22.92488 | 21 13 26.90 | -16 16 33.1 | 540 |
| 1996 OJ | 1996 07 22.93002 | 21 13 26.72 | -16 16 34.7 | 540 |
| (4179) | 1996 07 22.88316 | 20 43 46.21 | -18 01 44.1 | 16.4 R 540 |
| (4179) | 1996 07 22.89032 | 20 43 45.65 | -18 01 46.4 | 540 |
| (4179) | 1996 07 22.90587 | 20 43 44.48 | -18 01 51.1 | 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, R. di Luca

0.45-m $f/3.3$ reflector + CCD

| GSC | | | | | | |
|----------------------|--------------------|-------------|-------------|--------|-----|--|
| 1987 YL ₁ | 1996 07 09.88243 | 17 19 24.26 | -04 05 42.0 | 18.1 V | 552 | |
| 1987 YL ₁ | 1996 07 09.88731 | 17 19 24.05 | -04 05 44.6 | | 552 | |
| 1987 YL ₁ | 1996 07 11.88169 | 17 18 18.50 | -04 19 00.9 | 18.6 V | 552 | |
| 1987 YL ₁ | 1996 07 11.89709 | 17 18 17.99 | -04 19 06.5 | | 552 | |
| 1988 DD | 1996 07 11.90994 | 20 48 12.61 | -14 22 21.0 | 18.5 V | 552 | |
| 1988 DD | 1996 07 11.92618 | 20 48 11.76 | -14 22 27.9 | | 552 | |
| 1988 DD | 1996 07 11.94794 | 20 48 10.68 | -14 22 37.9 | | 552 | |
| 1988 DD | 1996 07 13.93939 | 20 46 29.72 | -14 37 28.7 | 18.4 V | 552 | |
| 1988 DD | 1996 07 13.94902 | 20 46 29.21 | -14 37 32.1 | | 552 | |
| 1988 DD | 1996 07 13.95946 | 20 46 28.64 | -14 37 36.6 | | 552 | |
| 1988 DD | 1996 07 15.89193 | 20 44 47.23 | -14 52 20.9 | 18.5 | 552 | |
| 1988 DD | 1996 07 15.90479 | 20 44 46.45 | -14 52 26.9 | | 552 | |
| 1988 DD | 1996 07 15.91759 | 20 44 45.72 | -14 52 32.0 | | 552 | |
| 1996 KW | 1996 07 11.84991 | 13 31 30.16 | -07 15 30.9 | 17.9 V | 552 | |
| 1996 KW | 1996 07 11.85735 | 13 31 30.36 | -07 15 33.8 | | 552 | |
| 1996 KW | 1996 07 11.86796 | 13 31 30.66 | -07 15 37.4 | | 552 | |
| 1996 KW | 1996 07 13.86220 | 13 32 34.99 | -07 30 26.4 | 18.5 | 552 | |
| 1996 KW | 1996 07 13.87183 | 13 32 35.34 | -07 30 30.2 | | 552 | |
| 1996 KW | 1996 07 13.88197 | 13 32 35.68 | -07 30 34.8 | | 552 | |
| 1996 NS | * 1996 07 11.91447 | 20 49 07.72 | -14 20 04.7 | 18.0 V | 552 | |
| 1996 NS | 1996 07 11.92934 | 20 49 07.11 | -14 20 10.2 | | 552 | |
| 1996 NS | 1996 07 11.95130 | 20 49 06.27 | -14 20 16.9 | | 552 | |
| 1996 NS | 1996 07 13.94326 | 20 47 50.66 | -14 31 36.4 | 18.0 V | 552 | |
| 1996 NS | 1996 07 13.95245 | 20 47 50.28 | -14 31 39.2 | | 552 | |
| 1996 NS | 1996 07 13.96287 | 20 47 49.88 | -14 31 42.4 | | 552 | |
| 1996 NS | 1996 07 18.89802 | 20 44 28.74 | -15 01 11.5 | 17.7 V | 552 | |
| 1996 NS | 1996 07 18.91218 | 20 44 28.19 | -15 01 16.4 | | 552 | |
| 1996 NS | 1996 07 18.92214 | 20 44 27.67 | -15 01 20.3 | | 552 | |

557 Ondřejov

P. Pravec, Astronomical Institute, Czech Academy of Sciences, CZ-25165 Ondřejov,
Czech Republic [ppravec@asu.cas.cz]

Observers P. Pravec, L. Šarounová

0.65-m $f/3.6$ reflector + CCD

| GSC | | | | | | |
|----------------------|------------------|-------------|-------------|--------|-------|--|
| 1995 EL ₁ | 1996 07 03.92311 | 18 23 43.30 | -16 48 17.9 | | 557 | |
| 1995 EL ₁ | 1996 07 03.92943 | 18 23 42.97 | -16 48 18.5 | | 557 | |
| 1995 EL ₁ | 1996 07 03.96282 | 18 23 41.36 | -16 48 21.9 | | 557 | |
| 1995 EL ₁ | 1996 07 20.87137 | 18 12 00.35 | -17 18 58.6 | | 557 | |
| 1995 EL ₁ | 1996 07 20.87390 | 18 12 00.28 | -17 18 59.0 | | 557 | |
| 1995 EL ₁ | 1996 07 20.88653 | 18 11 59.83 | -17 19 01.7 | | 557 | |
| 1995 HA | 1996 07 20.92542 | 20 42 10.22 | -04 16 04.0 | | 557 | |
| 1995 HA | 1996 07 20.95600 | 20 42 08.84 | -04 16 08.3 | 19.2 V | 557 | |
| 1995 HA | 1996 07 21.89812 | 20 41 27.54 | -04 18 01.9 | | 557 | |
| 1995 HA | 1996 07 21.90367 | 20 41 27.26 | -04 18 03.2 | 19.1 V | 557 | |
| 1995 HA | 1996 07 21.92468 | 20 41 26.33 | -04 18 05.5 | | 557 | |
| 1996 EN | 1996 07 21.85375 | 12 18 44.39 | +48 49 53.9 | | 557 | |
| 1996 EN | 1996 07 21.86009 | 12 18 45.54 | +48 49 53.2 | 18.2 V | 557 | |
| 1996 EN | 1996 07 21.86270 | 12 18 45.98 | +48 49 53.2 | | 557 | |
| 1996 LF | 1996 07 03.87926 | 14 21 06.04 | -04 56 20.5 | | W 557 | |

| | | | | | | |
|----------------------|--------------------|-------------|-------------|--------|-------|--|
| 1996 LF | 1996 07 03.88191 | 14 21 06.00 | -04 56 21.3 | | W 557 | |
| 1996 LF | 1996 07 03.89220 | 14 21 06.19 | -04 56 24.2 | | W 557 | |
| 1996 LF | 1996 07 03.89484 | 14 21 06.15 | -04 56 25.4 | | W 557 | |
| 1996 LJ ₁ | 1996 06 25.92597 | 17 44 23.62 | -04 28 56.7 | | 557 | |
| 1996 LJ ₁ | 1996 06 25.93568 | 17 44 23.13 | -04 28 54.6 | | 557 | |
| 1996 LJ ₁ | 1996 06 25.94437 | 17 44 22.68 | -04 28 52.8 | | 557 | |
| 1996 LJ ₁ | 1996 07 14.92208 | 17 31 25.05 | -04 02 34.5 | | 557 | |
| 1996 LJ ₁ | 1996 07 14.92550 | 17 31 24.96 | -04 02 34.9 | | 557 | |
| 1996 LJ ₁ | 1996 07 19.88897 | 17 29 14.34 | -04 07 09.7 | | 557 | |
| 1996 LJ ₁ | 1996 07 19.89191 | 17 29 14.23 | -04 07 10.1 | | 557 | |
| 1996 LJ ₁ | 1996 07 19.89476 | 17 29 14.16 | -04 07 10.1 | | 557 | |
| 1996 MQ | 1996 06 25.97370 | 16 50 41.95 | -00 18 01.2 | | W 557 | |
| 1996 MQ | 1996 06 25.97730 | 16 50 46.42 | -00 17 15.1 | | W 557 | |
| 1996 MQ | 1996 06 25.98896 | 16 51 01.27 | -00 14 38.4 | | W 557 | |
| 1996 MQ | 1996 06 25.99047 | 16 51 03.16 | -00 14 19.1 | | W 557 | |
| 1996 NW | 1996 07 15.01134 | 20 11 56.31 | -17 31 19.6 | 19.2 V | 557 | |
| 1996 NW | 1996 07 15.03094 | 20 11 55.29 | -17 31 21.4 | | 557 | |
| 1996 NW | 1996 07 15.03398 | 20 11 55.06 | -17 31 21.4 | | 557 | |
| 1996 OO | * 1996 07 20.90553 | 20 43 36.08 | -04 11 53.3 | | 557 | |
| 1996 OO | 1996 07 20.91955 | 20 43 35.57 | -04 11 53.8 | 18.3 V | 557 | |
| 1996 OO | 1996 07 20.94050 | 20 43 34.79 | -04 11 55.7 | | 557 | |
| 1996 OO | 1996 07 21.88764 | 20 42 59.86 | -04 13 02.2 | | 557 | |
| 1996 OO | 1996 07 21.89528 | 20 42 59.57 | -04 13 02.7 | 18.7 V | 557 | |
| 1996 OO | 1996 07 21.90091 | 20 42 59.37 | -04 13 03.0 | | 557 | |
| 1996 OO | 1996 07 26.88579 | 20 39 52.13 | -04 20 15.7 | | 557 | |
| 1996 OO | 1996 07 26.88884 | 20 39 52.04 | -04 20 15.7 | | 557 | |
| 1996 OO | 1996 07 26.89196 | 20 39 51.85 | -04 20 15.9 | | 557 | |
| 1996 OO | 1996 07 26.89499 | 20 39 51.82 | -04 20 16.6 | | 557 | |

560 Madonna di Dossobuono

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

[astrofil@astbo1.bo.cnr.it]

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

0.40-m $f/3.5$ reflector + CCD

| GSC | | | | | | |
|----------------------|------------------|-------------|-------------|--------|-----|--|
| 1982 DT ₆ | 1996 06 15.95896 | 17 10 31.82 | -08 40 48.7 | 18.1 V | 560 | |
| 1982 DT ₆ | 1996 06 15.96897 | 17 10 31.27 | -08 40 50.6 | | 560 | |
| 1982 DT ₆ | 1996 06 15.98008 | 17 10 30.61 | -08 40 52.1 | | 560 | |
| 1983 GU | 1996 06 17.87628 | 16 20 51.26 | -04 06 54.8 | 16.0 V | 560 | |
| 1983 GU | 1996 06 17.88521 | 16 20 50.80 | -04 06 58.6 | | 560 | |
| 1983 GU | 1996 06 17.89179 | 16 20 50.47 | -04 07 00.9 | | 560 | |
| 1983 GU | 1996 06 18.89498 | 16 20 03.32 | -04 14 28.8 | | 560 | |
| 1983 GU | 1996 06 18.90181 | 16 20 02.92 | -04 14 31.6 | | 560 | |
| 1983 GU | 1996 06 18.90904 | 16 20 02.56 | -04 14 35.1 | | 560 | |
| 1991 ES ₁ | 1996 06 05.89646 | 14 58 38.29 | +02 04 58.6 | 16.5 V | 560 | |
| 1991 ES ₁ | 1996 06 05.90892 | 14 58 37.91 | +02 04 58.5 | | 560 | |
| 1991 ES ₁ | 1996 06 05.92263 | 14 58 37.46 | +02 04 58.0 | | 560 | |
| 1996 KQ | 1996 06 04.88417 | 13 45 54.14 | -01 41 35.9 | 17.3 V | 560 | |
| 1996 KQ | 1996 06 04.88984 | 13 45 53.99 | -01 41 35.9 | | 560 | |
| 1996 KQ | 1996 06 04.91093 | 13 45 53.78 | -01 41 36.9 | | 560 | |
| 1996 KQ | 1996 06 10.87823 | 13 45 06.51 | -01 49 45.0 | 17.5 V | 560 | |
| 1996 KQ | 1996 06 10.88909 | 13 45 06.40 | -01 49 46.5 | | 560 | |
| 1996 KQ | 1996 06 11.86560 | 13 45 04.23 | -01 51 43.9 | | 560 | |

| | | | | | | | | | | | |
|--------|------------------|-------------|-------------|--------|-----|-----------------------|------------------|-------------|-------------|--------|-----|
| (1999) | 1996 06 17.87366 | 16 19 58.49 | -03 57 50.8 | 17.0 V | 560 | 1985 RG | 1996 07 15.45054 | 20 05 19.90 | -22 05 48.1 | 18.5 V | 566 |
| (1999) | 1996 06 17.88243 | 16 19 58.16 | -03 57 50.8 | | 560 | 1986 QE ₂ | 1996 07 22.38093 | 20 19 12.12 | -20 07 49.1 | 17.0 V | 566 |
| (1999) | 1996 06 17.88947 | 16 19 57.83 | -03 57 52.3 | | 560 | 1986 QE ₂ | 1996 07 22.38986 | 20 19 11.59 | -20 07 52.5 | 17.0 V | 566 |
| (7029) | 1996 06 07.91626 | 16 34 55.31 | -06 17 28.7 | 17.0 V | 560 | 1986 QE ₂ | 1996 07 22.40623 | 20 19 10.60 | -20 07 58.5 | 17.0 V | 566 |
| (7029) | 1996 06 07.92652 | 16 34 54.84 | -06 17 28.5 | | 560 | 1986 TZ ₁₁ | 1996 07 14.41754 | 19 10 28.23 | -22 19 24.6 | 18.0 V | 566 |
| (7029) | 1996 06 07.93652 | 16 34 54.33 | -06 17 28.2 | | 560 | 1986 TZ ₁₁ | 1996 07 14.43479 | 19 10 27.29 | -22 19 24.5 | 17.8 V | 566 |
| (7071) | 1996 06 07.91072 | 16 36 19.34 | -06 30 10.1 | 17.3 V | 560 | 1986 TZ ₁₁ | 1996 07 14.46719 | 19 10 25.53 | -22 19 24.0 | 17.7 V | 566 |
| (7071) | 1996 06 07.92150 | 16 36 18.88 | -06 30 11.7 | | 560 | 1988 AT ₁ | 1996 07 23.33831 | 19 27 30.01 | -22 56 29.8 | 16.9 V | 566 |
| (7071) | 1996 06 07.93161 | 16 36 18.40 | -06 30 12.3 | | 560 | 1988 AT ₁ | 1996 07 23.34670 | 19 27 29.46 | -22 56 30.0 | 16.9 V | 566 |
| | | | | | | 1988 AT ₁ | 1996 07 23.35777 | 19 27 28.75 | -22 56 30.6 | 16.8 V | 566 |
| | | | | | | 1988 VD ₅ | 1996 07 15.54612 | 21 47 54.57 | +03 12 21.3 | 18.0 V | 566 |
| | | | | | | 1988 VD ₅ | 1996 07 15.56360 | 21 47 54.04 | +03 12 20.7 | 18.2 V | 566 |
| | | | | | | 1988 VD ₅ | 1996 07 15.58174 | 21 47 53.47 | +03 12 19.9 | 18.7 V | 566 |
| | | | | | | 1989 AD ₃ | 1996 07 23.50213 | 21 12 07.28 | -16 18 51.9 | 17.9 V | 566 |
| | | | | | | 1989 AD ₃ | 1996 07 23.51055 | 21 12 06.87 | -16 18 53.5 | 17.7 V | 566 |
| | | | | | | 1989 AD ₃ | 1996 07 23.51983 | 21 12 06.43 | -16 18 55.0 | 17.9 V | 566 |
| | | | | | | 1989 RC | 1996 07 21.27819 | 15 44 14.97 | -04 16 36.6 | 19.1 V | 566 |
| | | | | | | 1989 RC | 1996 07 21.28821 | 15 44 15.40 | -04 16 49.2 | 19.2 V | 566 |
| | | | | | | 1989 RC | 1996 07 21.30119 | 15 44 15.86 | -04 17 05.5 | 18.9 V | 566 |
| | | | | | | 1990 UO ₃ | 1996 07 14.56266 | 20 07 02.73 | -22 40 07.8 | 18.1 V | 566 |
| | | | | | | 1990 UO ₃ | 1996 07 14.56814 | 20 07 02.40 | -22 40 09.4 | 17.5 V | 566 |
| | | | | | | 1990 UO ₃ | 1996 07 14.58099 | 20 07 01.55 | -22 40 13.2 | 18.0 V | 566 |
| | | | | | | 1990 UO ₃ | 1996 07 14.58856 | 20 07 01.09 | -22 40 15.7 | 17.5 V | 566 |
| | | | | | | 1990 UO ₃ | 1996 07 14.60316 | 20 07 00.21 | -22 40 18.8 | 18.2 V | 566 |
| | | | | | | 1990 UO ₃ | 1996 07 14.60667 | 20 06 59.97 | -22 40 21.4 | 17.6 V | 566 |
| | | | | | | 1990 VF ₃ | 1996 07 15.35521 | 19 51 10.32 | -22 17 24.9 | 15.9 V | 566 |
| | | | | | | 1990 VF ₃ | 1996 07 15.38330 | 19 51 08.55 | -22 17 35.8 | 16.0 V | 566 |
| | | | | | | 1990 VF ₃ | 1996 07 15.40135 | 19 51 07.41 | -22 17 42.5 | 16.0 V | 566 |
| | | | | | | 1991 NG ₁ | 1996 07 14.57358 | 20 16 40.00 | -22 17 01.9 | 17.1 V | 566 |
| | | | | | | 1991 NG ₁ | 1996 07 14.59401 | 20 16 38.89 | -22 17 01.5 | 17.2 V | 566 |
| | | | | | | 1991 NG ₁ | 1996 07 14.61407 | 20 16 37.77 | -22 17 01.1 | 17.4 V | 566 |
| | | | | | | 1991 NG ₁ | 1996 07 15.41522 | 20 15 55.21 | -22 16 45.2 | 17.4 V | 566 |
| | | | | | | 1991 NG ₁ | 1996 07 15.43416 | 20 15 54.19 | -22 16 44.9 | 17.3 V | 566 |
| | | | | | | 1991 NG ₁ | 1996 07 15.45611 | 20 15 52.95 | -22 16 44.9 | 17.2 V | 566 |
| | | | | | | 1991 NG ₁ | 1996 07 15.46520 | 20 15 52.47 | -22 16 44.8 | 17.1 V | 566 |
| | | | | | | 1991 NG ₁ | 1996 07 15.47081 | 20 15 52.10 | -22 16 44.8 | 17.1 V | 566 |
| | | | | | | 1991 NG ₁ | 1996 07 15.48330 | 20 15 51.44 | -22 16 44.4 | 17.2 V | 566 |
| | | | | | | 1991 NG ₁ | 1996 07 15.49269 | 20 15 50.89 | -22 16 44.1 | 17.3 V | 566 |
| | | | | | | 1991 NG ₁ | 1996 07 15.50396 | 20 15 50.30 | -22 16 44.0 | 17.1 V | 566 |
| | | | | | | 1991 NG ₁ | 1996 07 15.51118 | 20 15 49.86 | -22 16 43.8 | 17.2 V | 566 |
| | | | | | | 1992 GE ₂ | 1996 07 15.42064 | 20 13 43.07 | -26 40 50.0 | 17.1 V | 566 |
| | | | | | | 1992 GE ₂ | 1996 07 15.43963 | 20 13 41.76 | -26 40 53.9 | 17.2 V | 566 |
| | | | | | | 1992 GE ₂ | 1996 07 15.45974 | 20 13 40.32 | -26 40 57.8 | 17.2 V | 566 |
| | | | | | | 1993 TS ₃₃ | 1996 07 23.33652 | 19 22 44.50 | -21 40 31.2 | 18.7 V | 566 |
| | | | | | | 1993 TS ₃₃ | 1996 07 23.34495 | 19 22 43.98 | -21 40 33.2 | 19.2 V | 566 |
| | | | | | | 1993 TS ₃₃ | 1996 07 23.35598 | 19 22 43.29 | -21 40 36.0 | 18.9 V | 566 |
| | | | | | | 1993 YH | 1996 07 15.34787 | 19 42 20.29 | -22 25 29.9 | 18.0 V | 566 |
| | | | | | | 1993 YH | 1996 07 15.36977 | 19 42 19.17 | -22 25 33.4 | 18.5 V | 566 |
| | | | | | | 1993 YH | 1996 07 15.39423 | 19 42 17.92 | -22 25 37.9 | 18.5 V | 566 |
| | | | | | | 1993 YH | 1996 07 21.36201 | 19 37 18.93 | -22 42 04.6 | 17.9 V | 566 |
| | | | | | | 1993 YH | 1996 07 21.37246 | 19 37 18.42 | -22 42 05.7 | 17.8 V | 566 |
| | | | | | | 1993 YH | 1996 07 21.37426 | 19 37 18.22 | -22 42 07.5 | 18.0 V | 566 |

563 Seewalchen

M. Bressler, Sachsenstrasse 40, A-4863 Seewalchen a. A., Austria

0.25-m $f/6$ reflector + CCD

GSC

| | | | | | |
|--------|------------------|-------------|-------------|--------|-----|
| (1999) | 1996 06 17.85566 | 16 19 59.19 | -03 57 50.0 | 15.5 R | 563 |
| (1999) | 1996 06 17.86802 | 16 19 58.68 | -03 57 50.8 | 15.6 R | 563 |
| (1999) | 1996 06 17.87782 | 16 19 58.31 | -03 57 51.8 | 15.6 R | 563 |
| (6949) | 1996 06 06.93552 | 15 10 41.84 | +07 25 18.9 | 14.8 R | 563 |
| (6949) | 1996 06 06.93843 | 15 10 41.79 | +07 25 16.6 | 14.9 R | 563 |
| (6949) | 1996 06 06.94429 | 15 10 41.56 | +07 25 15.6 | 14.4 R | 563 |
| (6974) | 1996 06 08.91083 | 16 38 05.04 | +02 42 04.7 | 14.3 R | 563 |
| (6974) | 1996 06 08.91784 | 16 38 04.65 | +02 42 04.8 | 14.5 R | 563 |
| (6974) | 1996 06 08.92075 | 16 38 04.47 | +02 42 05.3 | 14.4 R | 563 |
| (6992) | 1996 06 07.86172 | 14 17 26.95 | +01 11 55.1 | 14.4 R | 563 |
| (6992) | 1996 06 07.87559 | 14 17 26.68 | +01 11 53.9 | 14.4 R | 563 |

566 Haleakala-NEAT/GEODSS

E. F. Helin, MS 183-501, Jet Propulsion Laboratory, Pasadena, CA 91109, U.S.A.

[efh@temblor.jpl.nasa.gov]

Observers E. F. Helin, S. H. Pravdo, K. J. Lawrence, S. Groom, C. Clark,
R. Bambery, S. Levin, J. Lorre, S. Shaklan, R. Byrd, A. Esquibel, C. Cotton,
D. Bascon1-m $f/2.2$ Ritchey-Chrétien + CCD

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| 1981 DD ₃ | 1996 07 21.44536 | 20 00 47.57 | -20 09 35.7 | 18.8 V | 566 |
| 1981 DD ₃ | 1996 07 21.46299 | 20 00 46.53 | -20 09 36.5 | 18.9 V | 566 |
| 1981 DD ₃ | 1996 07 21.48506 | 20 00 45.21 | -20 09 36.6 | 19.2 V | 566 |
| 1981 DD ₃ | 1996 07 23.36237 | 19 58 58.78 | -20 10 28.3 | 19.3 V | 566 |
| 1981 DD ₃ | 1996 07 23.37075 | 19 58 58.29 | -20 10 28.5 | 18.9 V | 566 |
| 1981 DD ₃ | 1996 07 23.38192 | 19 58 57.63 | -20 10 28.7 | 18.7 V | 566 |
| 1981 ED ₁₄ | 1996 07 14.50333 | 20 07 20.96 | -23 44 31.6 | 18.2 V | 566 |
| 1981 ED ₁₄ | 1996 07 14.52190 | 20 07 19.67 | -23 44 33.4 | 18.4 V | 566 |
| 1981 ED ₁₄ | 1996 07 14.54554 | 20 07 18.08 | -23 44 35.0 | 18.5 V | 566 |
| 1981 SE ₂ | 1996 07 21.45384 | 21 41 50.73 | -16 33 11.3 | 17.0 V | 566 |
| 1981 SE ₂ | 1996 07 21.47589 | 21 41 49.98 | -16 33 18.6 | 16.9 V | 566 |
| 1981 SE ₂ | 1996 07 21.49823 | 21 41 49.25 | -16 33 26.3 | 17.0 V | 566 |
| 1982 TF ₂ | 1996 07 22.53334 | 20 50 59.76 | -16 53 26.0 | 16.3 V | 566 |
| 1982 TF ₂ | 1996 07 22.54233 | 20 50 59.25 | -16 53 27.2 | 16.3 V | 566 |
| 1982 TF ₂ | 1996 07 22.55311 | 20 50 58.66 | -16 53 28.6 | 16.7 V | 566 |
| 1985 RG | 1996 07 14.50705 | 20 06 16.50 | -22 02 58.6 | 17.7 V | 566 |
| 1985 RG | 1996 07 14.52933 | 20 06 15.07 | -22 03 02.7 | 18.2 V | 566 |
| 1985 RG | 1996 07 14.54740 | 20 06 13.95 | -22 03 06.3 | 17.9 V | 566 |
| 1985 RG | 1996 07 15.41165 | 20 05 22.34 | -22 05 40.9 | 18.6 V | 566 |
| 1985 RG | 1996 07 15.43017 | 20 05 21.16 | -22 05 44.5 | 18.4 V | 566 |

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|-----------------------|------------------|-------------|-------------|--------|-----|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1993 YH | 1996 07 21.38672 | 19 37 17.70 | -22 42 08.3 | 17.8 V | 566 | 1996 JM ₁₆ | 1996 05 22.42199 | 15 14 07.03 | -07 26 26.9 | 20.0 V | 566 |
| 1993 YH | 1996 07 21.38863 | 19 37 17.50 | -22 42 10.2 | 18.0 V | 566 | 1996 JM ₁₆ | 1996 05 22.44574 | 15 14 05.64 | -07 26 26.3 | 20.3 V | 566 |
| 1993 YH | 1996 07 21.39798 | 19 37 17.01 | -22 42 11.3 | 17.8 V | 566 | 1996 JN ₁₆ | 1996 05 21.51794 | 15 14 17.81 | -13 21 25.1 | 18.2 V | 566 |
| 1994 AQ ₁ | 1996 07 15.34606 | 19 45 50.25 | -21 09 48.0 | 17.2 V | 566 | 1996 JN ₁₆ | 1996 05 21.53869 | 15 14 16.77 | -13 21 21.7 | 18.1 V | 566 |
| 1994 AQ ₁ | 1996 07 15.36802 | 19 45 49.02 | -21 09 49.9 | 17.1 V | 566 | 1996 JN ₁₆ | 1996 05 21.55686 | 15 14 15.87 | -13 21 18.3 | 17.9 V | 566 |
| 1994 AQ ₁ | 1996 07 15.39247 | 19 45 47.65 | -21 09 52.2 | 17.3 V | 566 | 1996 KV ₃ | 1996 05 14.40406 | 15 00 33.27 | -09 54 48.1 | 17.0 V | 566 |
| 1994 AO ₂ | 1996 07 15.47492 | 20 21 22.08 | -22 13 42.0 | 19.4 V | 566 | 1996 KV ₃ | 1996 05 14.42443 | 15 00 32.16 | -09 54 46.7 | 17.2 V | 566 |
| 1994 AO ₂ | 1996 07 15.49653 | 20 21 20.82 | -22 13 41.3 | 19.9 V | 566 | 1996 KV ₃ | 1996 05 14.44214 | 15 00 31.20 | -09 54 45.1 | 17.1 V | 566 |
| 1994 AO ₂ | 1996 07 15.51483 | 20 21 19.65 | -22 13 41.1 | 19.0 V | 566 | 1996 KN ₅ | 1996 05 19.39440 | 13 56 02.61 | -03 05 23.9 | 18.1 V | 566 |
| 1995 DU ₁ | 1996 07 15.47081 | 20 17 18.02 | -22 50 57.7 | 19.0 V | 566 | 1996 KN ₅ | 1996 05 19.41301 | 13 56 01.98 | -03 05 20.1 | 18.5 V | 566 |
| 1995 DU ₁ | 1996 07 15.49269 | 20 17 16.60 | -22 51 12.7 | 18.4 V | 566 | 1996 KN ₅ | 1996 05 19.43896 | 13 56 01.06 | -03 05 14.7 | 18.2 V | 566 |
| 1995 DU ₁ | 1996 07 15.51118 | 20 17 15.41 | -22 51 25.3 | 18.8 V | 566 | 1996 KO ₅ | * 1996 05 21.52561 | 15 22 47.25 | -13 01 51.8 | 19.1 V | 566 |
| 1996 EN | 1996 07 14.27556 | 11 56 33.42 | +48 50 06.2 | 18.8 V | 566 | 1996 KO ₅ | 1996 05 21.54783 | 15 22 46.04 | -13 01 52.4 | 20.1 V | 566 |
| 1996 EN | 1996 07 14.29370 | 11 56 36.49 | +48 50 07.5 | 18.6 V | 566 | 1996 KO ₅ | 1996 05 21.56638 | 15 22 45.08 | -13 01 53.1 | 19.6 V | 566 |
| 1996 EN | 1996 07 14.31808 | 11 56 40.60 | +48 50 08.1 | 18.6 V | 566 | 1996 KS ₅ | * 1996 05 22.40907 | 15 03 08.39 | -12 04 55.6 | 18.9 V | 566 |
| 1996 EN | 1996 07 21.27238 | 12 17 00.51 | +48 50 42.1 | 18.9 V | 566 | 1996 KS ₅ | 1996 05 22.42727 | 15 03 07.26 | -12 04 59.7 | 18.9 V | 566 |
| 1996 EN | 1996 07 21.29204 | 12 17 03.90 | +48 50 39.6 | 18.7 V | 566 | 1996 KS ₅ | 1996 05 22.45113 | 15 03 05.78 | -12 05 05.3 | 18.8 V | 566 |
| 1996 EN | 1996 07 21.31091 | 12 17 07.22 | +48 50 37.2 | 18.7 V | 566 | 1996 LV ₁ | 1996 07 18.28073 | 15 47 55.26 | -17 09 21.0 | 18.3 V | 566 |
| 1996 GY ₂₀ | 1996 03 20.53748 | 13 38 51.57 | -10 21 11.1 | 17.8 V | 566 | 1996 LV ₁ | 1996 07 18.30386 | 15 47 55.67 | -17 09 16.2 | 18.5 V | 566 |
| 1996 GY ₂₀ | 1996 03 20.55839 | 13 38 50.76 | -10 21 06.4 | 17.5 V | 566 | 1996 LV ₁ | 1996 07 18.40147 | 15 47 57.14 | -17 08 57.8 | 18.1 V | 566 |
| 1996 GY ₂₀ | 1996 03 20.57827 | 13 38 50.02 | -10 21 01.9 | 17.5 V | 566 | 1996 MR | 1996 07 15.48144 | 23 18 46.06 | -04 41 53.9 | 18.3 V | 566 |
| 1996 GD ₂₁ | 1996 05 20.42950 | 14 27 01.61 | -09 26 50.9 | 19.9 V | 566 | 1996 MR | 1996 07 15.50193 | 23 18 47.61 | -04 41 51.0 | 17.9 V | 566 |
| 1996 GD ₂₁ | 1996 05 20.45113 | 14 27 00.62 | -09 26 45.4 | 19.0 V | 566 | 1996 MR | 1996 07 15.52027 | 23 18 49.06 | -04 41 48.5 | 17.8 V | 566 |
| 1996 GD ₂₁ | 1996 05 20.46898 | 14 26 59.72 | -09 26 40.7 | 19.3 V | 566 | 1996 MR | 1996 07 21.51100 | 23 26 22.17 | -04 31 49.1 | 17.8 V | 566 |
| 1996 HV ₉ | 1996 05 16.34963 | 14 22 49.17 | -12 04 36.6 | 18.3 V | 566 | 1996 MR | 1996 07 21.52945 | 23 26 23.41 | -04 31 48.4 | 17.9 V | 566 |
| 1996 HV ₉ | 1996 05 16.36776 | 14 22 48.69 | -12 04 32.6 | 18.5 V | 566 | 1996 MR | 1996 07 21.54910 | 23 26 24.67 | -04 31 47.5 | 17.7 V | 566 |
| 1996 HV ₉ | 1996 05 16.38971 | 14 22 48.12 | -12 04 27.1 | 18.3 V | 566 | 1996 MS | 1996 07 15.47961 | 23 08 26.92 | -08 02 39.3 | 19.6 V | 566 |
| 1996 HY ₁₂ | 1996 05 14.32577 | 14 18 04.57 | -12 13 48.3 | 18.2 V | 566 | 1996 MS | 1996 07 15.50017 | 23 08 28.20 | -08 02 40.8 | 19.4 V | 566 |
| 1996 HY ₁₂ | 1996 05 14.34427 | 14 18 03.45 | -12 13 42.2 | 18.0 V | 566 | 1996 MS | 1996 07 15.51849 | 23 08 29.27 | -08 02 43.5 | 19.1 V | 566 |
| 1996 HY ₁₂ | 1996 05 14.36370 | 14 18 02.36 | -12 13 35.9 | 18.1 V | 566 | 1996 MS | 1996 07 21.51467 | 23 14 30.13 | -08 18 23.3 | 18.0 V | 566 |
| 1996 HD ₁₃ | 1996 03 23.51368 | 14 58 02.91 | -15 04 48.3 | 18.1 V | 566 | 1996 MS | 1996 07 21.53307 | 23 14 31.08 | -08 18 27.2 | 18.0 V | 566 |
| 1996 HD ₁₃ | 1996 03 23.53383 | 14 58 02.65 | -15 04 44.9 | 18.3 V | 566 | 1996 MS | 1996 07 21.55646 | 23 14 32.29 | -08 18 32.1 | 17.9 V | 566 |
| 1996 HD ₁₃ | 1996 03 23.55669 | 14 58 02.38 | -15 04 41.2 | 18.2 V | 566 | 1996 NC | * 1996 07 14.50875 | 20 04 35.89 | -21 34 05.1 | 18.4 V | 566 |
| 1996 HD ₁₃ | 1996 05 13.54281 | 14 20 25.61 | -10 46 38.6 | 17.6 V | 566 | 1996 NC | 1996 07 14.53103 | 20 04 34.71 | -21 34 09.5 | 18.6 V | 566 |
| 1996 HD ₁₃ | 1996 05 13.56104 | 14 20 24.62 | -10 46 32.0 | 17.6 V | 566 | 1996 NC | 1996 07 14.54922 | 20 04 33.75 | -21 34 13.4 | 18.6 V | 566 |
| 1996 HD ₁₃ | 1996 05 13.57980 | 14 20 23.53 | -10 46 26.1 | 17.7 V | 566 | 1996 NC | 1996 07 15.41165 | 20 03 49.56 | -21 37 21.5 | 17.8 V | 566 |
| 1996 HM ₁₆ | 1996 05 16.41572 | 14 33 08.32 | -13 36 47.2 | 17.8 V | 566 | 1996 NC | 1996 07 15.43017 | 20 03 48.52 | -21 37 25.5 | 17.7 V | 566 |
| 1996 HM ₁₆ | 1996 05 16.44005 | 14 33 07.25 | -13 36 35.7 | 17.6 V | 566 | 1996 NC | 1996 07 15.45054 | 20 03 47.47 | -21 37 29.9 | 17.7 V | 566 |
| 1996 HM ₁₆ | 1996 05 16.46154 | 14 33 06.27 | -13 36 26.0 | 17.5 V | 566 | 1996 NC | 1996 07 22.35431 | 19 57 45.98 | -22 01 58.2 | 18.6 V | 566 |
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| 1996 HX ₂₅ | 1996 06 15.36248 | 14 50 45.64 | -14 33 58.4 | 18.8 V | 566 | 1996 ND | 1996 07 14.59946 | 20 07 43.21 | -20 40 15.2 | 19.3 V | 566 |
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| 1996 JK ₁ | 1996 03 24.42773 | 15 36 47.43 | -21 31 18.9 | 17.8 V | 566 | 1996 ND | 1996 07 15.41698 | 20 07 08.73 | -20 52 15.5 | 18.5 V | 566 |
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| 1996 JL ₁₆ | 1996 05 13.54281 | 14 20 01.15 | -09 48 54.4 | 18.1 V | 566 | 1996 ND | 1996 07 23.38010 | 20 01 09.98 | -22 49 47.2 | 19.4 V | 566 |
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| 1996 NQ | 1996 07 14.59772 | 20 14 48.25 | -21 00 49.3 | 18.4 V | 566 | 1996 ND ₁ | 1996 07 21.37426 | 19 36 31.55 | -22 42 20.6 | 17.4 V | 566 |
| 1996 NQ | 1996 07 14.61589 | 20 14 47.23 | -21 00 59.1 | 18.5 V | 566 | 1996 ND ₁ | 1996 07 21.38672 | 19 36 30.97 | -22 42 22.7 | 17.3 V | 566 |
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| 1996 NW | 1996 07 15.42843 | 20 11 34.40 | -17 31 59.7 | 18.8 V | 566 | 1996 NF ₁ | 1996 07 14.51474 | 19 58 30.10 | -20 11 49.5 | 18.4 V | 566 |
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| 1996 NZ | 1996 07 14.55292 | 20 05 44.42 | -20 03 00.6 | 19.1 V | 566 | 1996 NF ₁ | 1996 07 22.32357 | 19 51 46.33 | -20 31 26.5 | 18.1 V | 566 |
| 1996 NZ | 1996 07 21.44536 | 19 59 24.82 | -20 20 30.5 | 18.4 V | 566 | 1996 NF ₁ | 1996 07 22.33227 | 19 51 45.84 | -20 31 27.4 | 18.1 V | 566 |
| 1996 NZ | 1996 07 21.46299 | 19 59 23.80 | -20 20 32.5 | 18.6 V | 566 | 1996 NF ₁ | 1996 07 22.34264 | 19 51 45.28 | -20 31 29.8 | 18.5 V | 566 |
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| 1996 NZ | 1996 07 23.36237 | 19 57 39.48 | -20 25 13.3 | 18.7 V | 566 | 1996 NG ₁ | 1996 07 14.50875 | 20 02 35.33 | -21 01 54.1 | 18.1 V | 566 |
| 1996 NZ | 1996 07 23.37075 | 19 57 39.01 | -20 25 14.3 | 18.9 V | 566 | 1996 NG ₁ | 1996 07 14.51654 | 20 02 34.99 | -21 01 57.1 | 18.2 V | 566 |
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| 1996 NA ₁ | * 1996 07 14.55467 | 20 08 19.60 | -19 43 35.1 | 19.2 V | 566 | 1996 NG ₁ | 1996 07 14.53827 | 20 02 33.81 | -21 02 01.6 | 18.1 V | 566 |
| 1996 NA ₁ | 1996 07 14.57176 | 20 08 18.71 | -19 43 44.7 | 19.3 V | 566 | 1996 NG ₁ | 1996 07 14.54922 | 20 02 33.26 | -21 02 03.5 | 18.6 V | 566 |
| 1996 NA ₁ | 1996 07 14.59215 | 20 08 17.64 | -19 43 55.8 | 19.2 V | 566 | 1996 NG ₁ | 1996 07 22.35431 | 19 55 51.96 | -21 33 45.5 | 17.6 V | 566 |
| 1996 NA ₁ | 1996 07 21.44536 | 20 02 19.42 | -20 48 00.5 | 18.5 V | 566 | 1996 NG ₁ | 1996 07 22.36341 | 19 55 51.47 | -21 33 48.0 | 17.7 V | 566 |
| 1996 NA ₁ | 1996 07 21.46299 | 20 02 18.44 | -20 48 10.1 | 18.5 V | 566 | 1996 NG ₁ | 1996 07 22.37517 | 19 55 50.83 | -21 33 50.7 | 18.4 V | 566 |
| 1996 NA ₁ | 1996 07 21.48506 | 20 02 17.21 | -20 48 22.6 | 18.6 V | 566 | 1996 NH ₁ | * 1996 07 14.49976 | 19 56 52.90 | -21 51 32.0 | 19.0 V | 566 |
| 1996 NB ₁ | * 1996 07 14.55467 | 20 09 33.81 | -19 51 13.6 | 18.7 V | 566 | 1996 NH ₁ | 1996 07 14.51833 | 19 56 51.65 | -21 51 33.4 | 18.8 V | 566 |
| 1996 NB ₁ | 1996 07 14.57176 | 20 09 32.91 | -19 51 18.2 | 18.9 V | 566 | 1996 NH ₁ | 1996 07 14.54004 | 19 56 50.10 | -21 51 34.2 | 19.2 V | 566 |
| 1996 NB ₁ | 1996 07 14.59215 | 20 09 31.80 | -19 51 22.5 | 19.2 V | 566 | 1996 NH ₁ | 1996 07 22.32188 | 19 47 54.16 | -21 57 44.6 | 19.6 V | 566 |
| 1996 NB ₁ | 1996 07 21.40646 | 20 03 32.89 | -20 21 16.2 | 17.8 V | 566 | 1996 NH ₁ | 1996 07 22.33046 | 19 47 53.67 | -21 57 45.3 | 18.9 V | 566 |
| 1996 NB ₁ | 1996 07 21.41502 | 20 03 32.39 | -20 21 18.4 | 18.0 V | 566 | 1996 NH ₁ | 1996 07 22.34095 | 19 47 52.91 | -21 57 45.4 | 19.1 V | 566 |
| 1996 NB ₁ | 1996 07 21.42347 | 20 03 31.95 | -20 21 20.4 | 17.7 V | 566 | 1996 NJ ₁ | * 1996 07 14.49976 | 19 57 25.05 | -21 15 06.1 | 18.5 V | 566 |
| 1996 NB ₁ | 1996 07 21.44536 | 20 03 30.69 | -20 21 26.1 | 18.1 V | 566 | 1996 NJ ₁ | 1996 07 14.51833 | 19 57 24.05 | -21 15 11.2 | 18.4 V | 566 |
| 1996 NB ₁ | 1996 07 21.46299 | 20 03 29.70 | -20 21 31.0 | 18.3 V | 566 | 1996 NJ ₁ | 1996 07 14.54004 | 19 57 22.88 | -21 15 17.5 | 18.5 V | 566 |
| 1996 NB ₁ | 1996 07 21.48506 | 20 03 28.41 | -20 21 36.9 | 18.7 V | 566 | 1996 NJ ₁ | 1996 07 22.32188 | 19 50 28.90 | -21 52 06.0 | 19.5 V | 566 |
| 1996 NC ₁ | * 1996 07 15.34606 | 19 43 11.56 | -21 32 52.3 | 18.0 V | 566 | 1996 NJ ₁ | 1996 07 22.33046 | 19 50 28.45 | -21 52 08.4 | 18.7 V | 566 |
| 1996 NC ₁ | 1996 07 15.34787 | 19 43 11.47 | -21 32 53.5 | 17.1 V | 566 | 1996 NJ ₁ | 1996 07 22.34095 | 19 50 27.90 | -21 52 11.9 | 19.0 V | 566 |
| 1996 NC ₁ | 1996 07 15.36802 | 19 43 10.16 | -21 32 50.0 | 18.3 V | 566 | 1996 NK ₁ | * 1996 07 14.49976 | 20 00 47.74 | -22 22 10.1 | 17.7 V | 566 |
| 1996 NC ₁ | 1996 07 15.36977 | 19 43 10.08 | -21 32 51.5 | 17.3 V | 566 | 1996 NK ₁ | 1996 07 14.51833 | 20 00 46.47 | -22 22 09.0 | 17.8 V | 566 |
| 1996 NC ₁ | 1996 07 15.39247 | 19 43 08.63 | -21 32 47.3 | 18.3 V | 566 | 1996 NK ₁ | 1996 07 14.54004 | 20 00 45.04 | -22 22 06.8 | 17.8 V | 566 |
| 1996 NC ₁ | 1996 07 15.39423 | 19 43 08.50 | -21 32 49.1 | 17.2 V | 566 | 1996 NK ₁ | 1996 07 22.32188 | 19 52 22.31 | -22 11 26.5 | 17.7 V | 566 |
| 1996 NC ₁ | 1996 07 21.36201 | 19 36 56.49 | -21 21 38.5 | 18.3 V | 566 | 1996 NK ₁ | 1996 07 22.33046 | 19 52 21.72 | -22 11 25.8 | 17.8 V | 566 |
| 1996 NC ₁ | 1996 07 21.37246 | 19 36 55.86 | -21 21 37.1 | 17.8 V | 566 | 1996 NK ₁ | 1996 07 22.34095 | 19 52 20.99 | -22 11 24.8 | 17.7 V | 566 |
| 1996 NC ₁ | 1996 07 21.38672 | 19 36 54.94 | -21 21 35.7 | 18.0 V | 566 | 1996 NL ₁ | * 1996 07 14.55467 | 20 08 19.41 | -19 47 38.5 | 17.2 V | 566 |
| 1996 ND ₁ | * 1996 07 15.34787 | 19 41 47.05 | -22 11 47.7 | 17.3 V | 566 | 1996 NL ₁ | 1996 07 14.57176 | 20 08 18.31 | -19 47 39.4 | 17.3 V | 566 |
| 1996 ND ₁ | 1996 07 15.36977 | 19 41 45.79 | -22 11 54.1 | 17.7 V | 566 | 1996 NL ₁ | 1996 07 14.59215 | 20 08 17.01 | -19 47 40.4 | 17.4 V | 566 |

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|----------------------|--------------------|-------------|-------------|--------|-----|----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 NL ₁ | 1996 07 22.37695 | 20 00 01.79 | -19 56 51.9 | 17.0 V | 566 | 1996 NR ₁ | 1996 07 23.31894 | 19 59 17.02 | -19 20 58.6 | 18.9 V | 566 |
| 1996 NL ₁ | 1996 07 22.39503 | 20 00 00.58 | -19 56 53.2 | 16.9 V | 566 | 1996 NR ₁ | 1996 07 23.32734 | 19 59 16.55 | -19 20 59.1 | 19.0 V | 566 |
| 1996 NL ₁ | 1996 07 22.41340 | 19 59 59.34 | -19 56 54.7 | 17.1 V | 566 | 1996 NS ₁ | * 1996 07 14.56814 | 20 07 46.70 | -23 32 10.6 | 18.2 V | 566 |
| 1996 NL ₁ | 1996 07 23.30857 | 19 59 02.05 | -19 57 54.0 | 16.6 V | 566 | 1996 NS ₁ | 1996 07 14.58856 | 20 07 45.64 | -23 32 15.3 | 18.7 V | 566 |
| 1996 NL ₁ | 1996 07 23.31894 | 19 59 01.35 | -19 57 54.9 | 16.9 V | 566 | 1996 NS ₁ | 1996 07 14.60667 | 20 07 44.75 | -23 32 19.1 | 19.1 V | 566 |
| 1996 NL ₁ | 1996 07 23.32734 | 19 59 00.78 | -19 57 55.6 | 16.9 V | 566 | 1996 NS ₁ | 1996 07 23.36776 | 20 00 10.33 | -24 02 36.6 | 18.1 V | 566 |
| 1996 NM ₁ | * 1996 07 14.55467 | 20 09 51.86 | -19 00 53.1 | 17.9 V | 566 | 1996 NS ₁ | 1996 07 23.38010 | 20 00 09.64 | -24 02 38.9 | 17.7 V | 566 |
| 1996 NM ₁ | 1996 07 14.57176 | 20 09 50.85 | -19 00 57.2 | 17.9 V | 566 | 1996 NS ₁ | 1996 07 23.39048 | 20 00 09.10 | -24 02 41.0 | 17.6 V | 566 |
| 1996 NM ₁ | 1996 07 14.59215 | 20 09 49.58 | -19 01 02.2 | 18.2 V | 566 | 1996 NT ₁ | * 1996 07 14.56814 | 20 10 31.58 | -23 13 42.5 | 17.8 V | 566 |
| 1996 NM ₁ | 1996 07 22.37695 | 20 02 06.05 | -19 34 01.6 | 18.9 V | 566 | 1996 NT ₁ | 1996 07 14.58856 | 20 10 30.28 | -23 13 38.4 | 17.9 V | 566 |
| 1996 NM ₁ | 1996 07 22.39503 | 20 02 04.90 | -19 34 06.2 | 18.7 V | 566 | 1996 NT ₁ | 1996 07 14.60667 | 20 10 29.10 | -23 13 34.2 | 18.1 V | 566 |
| 1996 NM ₁ | 1996 07 22.41340 | 20 02 03.72 | -19 34 11.1 | 18.5 V | 566 | 1996 NT ₁ | 1996 07 23.36776 | 20 01 24.38 | -22 41 08.4 | 18.0 V | 566 |
| 1996 NM ₁ | 1996 07 23.30857 | 20 01 10.20 | -19 37 57.6 | 18.6 V | 566 | 1996 NT ₁ | 1996 07 23.38010 | 20 01 23.54 | -22 41 05.5 | 18.0 V | 566 |
| 1996 NM ₁ | 1996 07 23.31894 | 20 01 09.52 | -19 37 59.7 | 19.2 V | 566 | 1996 NT ₁ | 1996 07 23.39048 | 20 01 22.86 | -22 41 03.5 | 17.8 V | 566 |
| 1996 NM ₁ | 1996 07 23.32734 | 20 01 08.97 | -19 38 01.4 | 19.4 V | 566 | 1996 NU ₁ | * 1996 07 14.56814 | 20 11 37.98 | -23 56 29.1 | 17.3 V | 566 |
| 1996 NM ₁ | 1996 07 23.34221 | 20 01 08.06 | -19 38 06.1 | 18.0 V | 566 | 1996 NU ₁ | 1996 07 14.56996 | 20 11 37.88 | -23 56 29.1 | 17.9 V | 566 |
| 1996 NM ₁ | 1996 07 23.35221 | 20 01 07.46 | -19 38 08.8 | 18.2 V | 566 | 1996 NU ₁ | 1996 07 14.58856 | 20 11 36.71 | -23 56 27.7 | 17.0 V | 566 |
| 1996 NM ₁ | 1996 07 23.36062 | 20 01 06.91 | -19 38 10.8 | 17.9 V | 566 | 1996 NU ₁ | 1996 07 14.59030 | 20 11 36.61 | -23 56 27.4 | 17.5 V | 566 |
| 1996 NN ₁ | * 1996 07 15.41522 | 20 13 26.99 | -22 25 47.1 | 17.0 V | 566 | 1996 NU ₁ | 1996 07 14.60667 | 20 11 35.57 | -23 56 26.3 | 17.1 V | 566 |
| 1996 NN ₁ | 1996 07 15.43416 | 20 13 25.10 | -22 25 23.3 | 17.0 V | 566 | 1996 NU ₁ | 1996 07 14.61042 | 20 11 35.43 | -23 56 25.0 | 17.6 V | 566 |
| 1996 NN ₁ | 1996 07 15.45611 | 20 13 22.88 | -22 24 55.6 | 17.2 V | 566 | 1996 NU ₁ | 1996 07 23.36776 | 20 02 35.76 | -23 45 04.0 | 16.6 V | 566 |
| 1996 NN ₁ | 1996 07 15.46520 | 20 13 22.00 | -22 24 44.2 | 17.8 V | 566 | 1996 NU ₁ | 1996 07 23.38010 | 20 02 34.98 | -23 45 03.0 | 16.8 V | 566 |
| 1996 NN ₁ | 1996 07 15.48330 | 20 13 20.22 | -22 24 21.5 | 18.1 V | 566 | 1996 NU ₁ | 1996 07 23.39048 | 20 02 34.30 | -23 45 02.0 | 16.7 V | 566 |
| 1996 NN ₁ | 1996 07 15.50396 | 20 13 18.13 | -22 23 54.8 | 17.9 V | 566 | 1996 NV ₁ | * 1996 07 14.57358 | 20 11 31.95 | -22 27 32.2 | 18.8 V | 566 |
| 1996 NN ₁ | 1996 07 22.37695 | 20 02 18.84 | -19 56 12.7 | 17.4 V | 566 | 1996 NV ₁ | 1996 07 14.59401 | 20 11 30.66 | -22 27 39.8 | 19.5 V | 566 |
| 1996 NN ₁ | 1996 07 22.39503 | 20 02 17.08 | -19 55 49.8 | 17.2 V | 566 | 1996 NV ₁ | 1996 07 14.61407 | 20 11 29.36 | -22 27 48.8 | 19.0 V | 566 |
| 1996 NN ₁ | 1996 07 22.41340 | 20 02 15.22 | -19 55 25.9 | 17.3 V | 566 | 1996 NV ₁ | 1996 07 23.36776 | 20 02 08.60 | -23 30 15.0 | 19.0 V | 566 |
| 1996 NN ₁ | 1996 07 23.34221 | 20 00 47.46 | -19 35 10.7 | 16.9 V | 566 | 1996 NV ₁ | 1996 07 23.38010 | 20 02 07.73 | -23 30 20.4 | 18.6 V | 566 |
| 1996 NN ₁ | 1996 07 23.35221 | 20 00 46.47 | -19 34 57.5 | 17.1 V | 566 | 1996 NV ₁ | 1996 07 23.39048 | 20 02 07.04 | -23 30 24.7 | 18.5 V | 566 |
| 1996 NN ₁ | 1996 07 23.36062 | 20 00 45.63 | -19 34 46.8 | 16.8 V | 566 | 1996 NW ₁ | * 1996 07 15.39956 | 20 08 32.54 | -20 50 05.5 | 18.9 V | 566 |
| 1996 NP ₁ | * 1996 07 14.50333 | 20 06 41.94 | -22 56 46.8 | 18.4 V | 566 | 1996 NW ₁ | 1996 07 15.41698 | 20 08 31.43 | -20 50 06.0 | 18.5 V | 566 |
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| 1996 NP ₁ | 1996 07 14.54554 | 20 06 39.65 | -22 57 03.3 | 19.1 V | 566 | 1996 NW ₁ | 1996 07 23.36237 | 20 00 06.30 | -20 53 46.5 | 18.8 V | 566 |
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| 1996 NP ₁ | 1996 07 14.58856 | 20 06 37.42 | -22 57 18.6 | 18.2 V | 566 | 1996 NW ₁ | 1996 07 23.38192 | 20 00 05.03 | -20 53 47.1 | 18.8 V | 566 |
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| 1996 NP ₁ | 1996 07 23.36776 | 19 58 51.17 | -23 54 16.7 | 19.0 V | 566 | 1996 NX ₁ | 1996 07 15.41698 | 20 10 02.24 | -20 59 02.7 | 19.3 V | 566 |
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| 1996 NQ ₁ | 1996 07 14.54740 | 20 04 05.50 | -22 42 17.9 | 19.0 V | 566 | 1996 NY ₁ | * 1996 07 15.39956 | 20 11 24.64 | -21 10 18.3 | 17.6 V | 566 |
| 1996 NQ ₁ | 1996 07 23.36776 | 19 56 53.43 | -23 04 32.0 | 18.0 V | 566 | 1996 NY ₁ | 1996 07 15.41343 | 20 11 23.82 | -21 10 19.2 | 17.6 V | 566 |
| 1996 NQ ₁ | 1996 07 23.38010 | 19 56 52.79 | -23 04 33.7 | 17.9 V | 566 | 1996 NY ₁ | 1996 07 15.41698 | 20 11 23.63 | -21 10 19.0 | 17.5 V | 566 |
| 1996 NQ ₁ | 1996 07 23.39048 | 19 56 52.27 | -23 04 35.3 | 18.2 V | 566 | 1996 NY ₁ | 1996 07 15.43195 | 20 11 22.72 | -21 10 20.0 | 17.5 V | 566 |
| 1996 NR ₁ | * 1996 07 14.51294 | 20 07 04.16 | -19 10 37.9 | 18.5 V | 566 | 1996 NY ₁ | 1996 07 15.43595 | 20 11 22.55 | -21 10 19.8 | 17.4 V | 566 |
| 1996 NR ₁ | 1996 07 14.53276 | 20 07 03.06 | -19 10 39.0 | 18.4 V | 566 | 1996 NY ₁ | 1996 07 15.45238 | 20 11 21.59 | -21 10 20.5 | 18.0 V | 566 |
| 1996 NR ₁ | 1996 07 14.55292 | 20 07 01.98 | -19 10 39.6 | 19.2 V | 566 | 1996 NY ₁ | 1996 07 23.39402 | 20 04 02.13 | -21 14 04.7 | 17.4 V | 566 |
| 1996 NR ₁ | 1996 07 14.55467 | 20 07 01.82 | -19 10 39.4 | 18.3 V | 566 | 1996 NY ₁ | 1996 07 23.39581 | 20 04 02.06 | -21 14 05.4 | 18.6 V | 566 |
| 1996 NR ₁ | 1996 07 14.57176 | 20 07 00.94 | -19 10 40.0 | 18.6 V | 566 | 1996 NY ₁ | 1996 07 23.40321 | 20 04 01.56 | -21 14 04.8 | 17.7 V | 566 |
| 1996 NR ₁ | 1996 07 14.59215 | 20 06 59.84 | -19 10 41.4 | 18.1 V | 566 | 1996 NY ₁ | 1996 07 23.40693 | 20 04 01.40 | -21 14 05.5 | 18.8 V | 566 |
| 1996 NR ₁ | 1996 07 23.30857 | 19 59 17.59 | -19 20 57.9 | 18.5 V | 566 | 1996 NY ₁ | 1996 07 23.41163 | 20 04 01.07 | -21 14 05.2 | 17.9 V | 566 |

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| 1996 NY ₁ | 1996 07 23.41534 | 20 04 00.85 | -21 14 05.8 | 18.9 V | 566 | 1996 OT | 1996 07 21.33815 | 19 27 08.83 | -22 43 02.4 | 18.0 V | 566 |
| 1996 NZ ₁ | * 1996 07 15.41165 | 20 05 26.05 | -22 07 50.2 | 18.9 V | 566 | 1996 OT | 1996 07 21.34221 | 19 27 08.61 | -22 43 02.6 | 18.9 V | 566 |
| 1996 NZ ₁ | 1996 07 15.43017 | 20 05 25.11 | -22 07 54.7 | 18.5 V | 566 | 1996 OT | 1996 07 21.35125 | 19 27 08.15 | -22 43 06.2 | 18.7 V | 566 |
| 1996 NZ ₁ | 1996 07 15.45054 | 20 05 24.12 | -22 08 01.0 | 18.1 V | 566 | 1996 OT | 1996 07 23.33831 | 19 25 44.27 | -22 55 39.1 | 18.0 V | 566 |
| 1996 NZ ₁ | 1996 07 23.36776 | 19 59 05.51 | -22 46 05.3 | 16.8 V | 566 | 1996 OT | 1996 07 23.34670 | 19 25 43.91 | -22 55 42.4 | 18.1 V | 566 |
| 1996 NZ ₁ | 1996 07 23.38010 | 19 59 04.88 | -22 46 08.9 | 17.0 V | 566 | 1996 OT | 1996 07 23.35777 | 19 25 43.39 | -22 55 46.3 | 18.1 V | 566 |
| 1996 NZ ₁ | 1996 07 23.39048 | 19 59 04.37 | -22 46 11.6 | 17.0 V | 566 | 1996 OU | * 1996 07 21.44536 | 20 01 02.49 | -20 20 22.5 | 19.2 V | 566 |
| 1996 NA ₂ | * 1996 07 15.42661 | 20 13 08.93 | -20 09 26.5 | 18.1 V | 566 | 1996 OU | 1996 07 21.46299 | 20 01 01.44 | -20 20 27.7 | 19.1 V | 566 |
| 1996 NA ₂ | 1996 07 15.44693 | 20 13 07.61 | -20 09 26.9 | 18.0 V | 566 | 1996 OU | 1996 07 21.48506 | 20 01 00.19 | -20 20 33.6 | 19.5 V | 566 |
| 1996 NA ₂ | 1996 07 15.46903 | 20 13 06.13 | -20 09 27.9 | 17.9 V | 566 | 1996 OU | 1996 07 23.36237 | 19 59 22.26 | -20 29 11.4 | 19.3 V | 566 |
| 1996 NA ₂ | 1996 07 23.39581 | 20 04 33.56 | -20 12 57.3 | 17.8 V | 566 | 1996 OU | 1996 07 23.37075 | 19 59 21.80 | -20 29 14.0 | 19.2 V | 566 |
| 1996 NA ₂ | 1996 07 23.40693 | 20 04 32.79 | -20 12 57.6 | 18.3 V | 566 | 1996 OU | 1996 07 23.38192 | 19 59 21.22 | -20 29 17.2 | 19.2 V | 566 |
| 1996 NA ₂ | 1996 07 23.41534 | 20 04 32.23 | -20 12 57.8 | 18.1 V | 566 | 1996 OV | * 1996 07 21.44919 | 20 05 43.74 | -18 57 36.9 | 18.7 V | 566 |
| 1996 NB ₂ | * 1996 07 15.42661 | 20 13 43.29 | -20 12 24.4 | 18.3 V | 566 | 1996 OV | 1996 07 21.46662 | 20 05 42.96 | -18 57 46.7 | 19.1 V | 566 |
| 1996 NB ₂ | 1996 07 15.44693 | 20 13 42.02 | -20 12 24.8 | 18.5 V | 566 | 1996 OV | 1996 07 21.49254 | 20 05 41.92 | -18 58 01.7 | 19.3 V | 566 |
| 1996 NB ₂ | 1996 07 15.46903 | 20 13 40.66 | -20 12 24.0 | 19.0 V | 566 | 1996 OV | 1996 07 23.40142 | 20 04 28.15 | -19 16 50.7 | 18.0 V | 566 |
| 1996 NB ₂ | 1996 07 23.39581 | 20 05 41.62 | -20 09 41.5 | 18.6 V | 566 | 1996 OV | 1996 07 23.40982 | 20 04 27.78 | -19 16 55.7 | 18.2 V | 566 |
| 1996 NB ₂ | 1996 07 23.40142 | 20 05 41.32 | -20 09 41.3 | 18.7 V | 566 | 1996 OV | 1996 07 23.41819 | 20 04 27.43 | -19 17 00.9 | 18.3 V | 566 |
| 1996 NB ₂ | 1996 07 23.40693 | 20 05 40.87 | -20 09 41.4 | 19.0 V | 566 | 1996 OW | * 1996 07 22.37695 | 20 00 33.52 | -20 30 28.3 | 18.7 V | 566 |
| 1996 NB ₂ | 1996 07 23.40982 | 20 05 40.77 | -20 09 41.0 | 18.5 V | 566 | 1996 OW | 1996 07 22.39503 | 20 00 32.41 | -20 30 34.5 | 18.8 V | 566 |
| 1996 NB ₂ | 1996 07 23.41534 | 20 05 40.38 | -20 09 41.0 | 18.7 V | 566 | 1996 OW | 1996 07 22.41340 | 20 00 31.23 | -20 30 41.4 | 18.6 V | 566 |
| 1996 NB ₂ | 1996 07 23.41819 | 20 05 40.20 | -20 09 40.9 | 18.6 V | 566 | 1996 OW | 1996 07 23.30857 | 19 59 36.99 | -20 36 04.6 | 18.5 V | 566 |
| 1996 OA | 1996 07 21.31912 | 19 30 42.19 | -23 06 06.9 | 19.4 V | 566 | 1996 OW | 1996 07 23.31894 | 19 59 36.34 | -20 36 08.4 | 18.9 V | 566 |
| 1996 OA | 1996 07 21.32776 | 19 30 41.72 | -23 06 09.0 | 19.1 V | 566 | 1996 OW | 1996 07 23.32734 | 19 59 35.84 | -20 36 11.4 | 18.8 V | 566 |
| 1996 OA | 1996 07 21.33815 | 19 30 41.21 | -23 06 10.5 | 18.9 V | 566 | 1996 OW | 1996 07 23.36237 | 19 59 33.60 | -20 36 24.6 | 18.1 V | 566 |
| 1996 OM | * 1996 07 20.35603 | 19 24 53.59 | -20 04 47.7 | 18.6 V | 566 | 1996 OW | 1996 07 23.37075 | 19 59 33.03 | -20 36 27.9 | 18.1 V | 566 |
| 1996 OM | 1996 07 20.36481 | 19 24 53.08 | -20 04 46.9 | 18.9 V | 566 | 1996 OW | 1996 07 23.38192 | 19 59 32.36 | -20 36 31.8 | 18.0 V | 566 |
| 1996 OM | 1996 07 20.37580 | 19 24 52.41 | -20 04 45.9 | 18.7 V | 566 | 1996 OB ₁ | 1996 07 21.44919 | 20 05 35.47 | -17 38 56.6 | 18.8 V | 566 |
| 1996 OM | 1996 07 21.28014 | 19 24 00.36 | -20 03 40.1 | 18.1 V | 566 | 1996 OB ₁ | 1996 07 21.46662 | 20 05 34.52 | -17 39 02.1 | 18.9 V | 566 |
| 1996 OM | 1996 07 21.29007 | 19 23 59.74 | -20 03 39.1 | 18.5 V | 566 | 1996 OB ₁ | 1996 07 21.49254 | 20 05 33.10 | -17 39 09.4 | 18.9 V | 566 |
| 1996 OM | 1996 07 21.30311 | 19 23 59.02 | -20 03 37.8 | 18.4 V | 566 | 3553 P-L | 1996 07 14.55885 | 20 08 58.30 | -20 36 55.3 | 18.4 V | 566 |
| 1996 OP | * 1996 07 21.44536 | 19 58 45.24 | -19 51 45.7 | 18.3 V | 566 | 3553 P-L | 1996 07 14.57920 | 20 08 57.15 | -20 36 56.3 | 18.3 V | 566 |
| 1996 OP | 1996 07 21.46299 | 19 58 44.33 | -19 51 48.9 | 18.2 V | 566 | 3553 P-L | 1996 07 14.59946 | 20 08 56.02 | -20 36 57.7 | 18.5 V | 566 |
| 1996 OP | 1996 07 21.48506 | 19 58 43.22 | -19 51 52.6 | 18.1 V | 566 | 3553 P-L | 1996 07 22.37695 | 20 01 51.37 | -20 45 35.9 | 19.9 V | 566 |
| 1996 OP | 1996 07 22.37695 | 19 58 00.24 | -19 54 34.2 | 18.6 V | 566 | 3553 P-L | 1996 07 22.39503 | 20 01 50.37 | -20 45 37.7 | 19.8 V | 566 |
| 1996 OP | 1996 07 22.39503 | 19 57 59.33 | -19 54 37.6 | 18.6 V | 566 | 3553 P-L | 1996 07 22.41340 | 20 01 49.34 | -20 45 38.9 | 19.6 V | 566 |
| 1996 OP | 1996 07 22.41340 | 19 57 58.38 | -19 54 40.8 | 18.7 V | 566 | 3553 P-L | 1996 07 23.36237 | 20 00 57.46 | -20 46 37.5 | 18.7 V | 566 |
| 1996 OP | 1996 07 23.30857 | 19 57 15.29 | -19 57 20.9 | 18.5 V | 566 | 3553 P-L | 1996 07 23.37075 | 20 00 56.96 | -20 46 38.5 | 18.9 V | 566 |
| 1996 OP | 1996 07 23.31894 | 19 57 14.77 | -19 57 23.2 | 18.2 V | 566 | 3553 P-L | 1996 07 23.38192 | 20 00 56.32 | -20 46 39.0 | 18.5 V | 566 |
| 1996 OP | 1996 07 23.32734 | 19 57 14.34 | -19 57 24.4 | 18.5 V | 566 | 4038 P-L | 1996 07 14.55885 | 20 10 45.09 | -20 16 17.5 | 19.8 V | 566 |
| 1996 OQ | * 1996 07 21.44536 | 19 59 40.82 | -20 33 15.6 | 17.1 V | 566 | 4038 P-L | 1996 07 14.57920 | 20 10 43.80 | -20 16 20.6 | 19.2 V | 566 |
| 1996 OQ | 1996 07 21.46299 | 19 59 39.77 | -20 33 16.9 | 17.2 V | 566 | 4038 P-L | 1996 07 14.59946 | 20 10 42.54 | -20 16 23.9 | 19.2 V | 566 |
| 1996 OQ | 1996 07 21.48506 | 19 59 38.47 | -20 33 18.3 | 17.4 V | 566 | 4038 P-L | 1996 07 23.39581 | 20 01 43.24 | -20 38 52.0 | 18.5 V | 566 |
| 1996 OQ | 1996 07 22.37695 | 19 58 49.25 | -20 34 25.6 | 17.6 V | 566 | 4038 P-L | 1996 07 23.40693 | 20 01 42.53 | -20 38 53.6 | 18.5 V | 566 |
| 1996 OQ | 1996 07 22.39503 | 19 58 48.21 | -20 34 26.9 | 17.8 V | 566 | 4038 P-L | 1996 07 23.41534 | 20 01 41.94 | -20 38 54.4 | 18.4 V | 566 |
| 1996 OQ | 1996 07 22.41340 | 19 58 47.12 | -20 34 28.5 | 17.9 V | 566 | 4041 P-L | 1996 07 22.32357 | 19 50 26.46 | -20 43 04.4 | 19.3 V | 566 |
| 1996 OQ | 1996 07 23.30857 | 19 57 57.86 | -20 35 33.6 | 17.2 V | 566 | 4041 P-L | 1996 07 22.33227 | 19 50 25.87 | -20 43 04.9 | 19.2 V | 566 |
| 1996 OQ | 1996 07 23.31894 | 19 57 57.25 | -20 35 34.4 | 17.7 V | 566 | 4041 P-L | 1996 07 22.34264 | 19 50 25.14 | -20 43 06.3 | 19.1 V | 566 |
| 1996 OQ | 1996 07 23.32734 | 19 57 56.76 | -20 35 35.1 | 17.6 V | 566 | (340) | 1996 07 15.42064 | 20 10 56.86 | -27 20 03.3 | 15.0 V | 566 |
| 1996 OT | * 1996 07 21.31912 | 19 27 09.71 | -22 42 54.9 | 18.1 V | 566 | (340) | 1996 07 15.43963 | 20 10 55.77 | -27 20 06.9 | 14.8 V | 566 |
| 1996 OT | 1996 07 21.32776 | 19 27 09.30 | -22 42 58.5 | 18.0 V | 566 | (340) | 1996 07 15.45974 | 20 10 54.62 | -27 20 10.4 | 15.0 V | 566 |
| 1996 OT | 1996 07 21.33016 | 19 27 09.19 | -22 42 58.3 | 19.0 V | 566 | (1087) | 1996 07 21.59075 | 04 35 25.92 | +25 29 40.6 | 16.3 V | 566 |

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| (1087) | 1996 07 21.59248 | 04 35 26.15 | +25 29 41.6 | 15.8 V | 566 | (3701) | 1996 07 14.46719 | 19 08 39.92 | -21 29 20.2 | 17.0 V | 566 |
| (1087) | 1996 07 21.59959 | 04 35 26.79 | +25 29 43.9 | 16.3 V | 566 | (3821) | 1996 07 23.33652 | 19 26 12.00 | -21 58 05.8 | 18.6 V | 566 |
| (1087) | 1996 07 21.60249 | 04 35 27.10 | +25 29 45.2 | 15.9 V | 566 | (3821) | 1996 07 23.34495 | 19 26 11.61 | -21 58 06.7 | 18.7 V | 566 |
| (1087) | 1996 07 21.60991 | 04 35 27.79 | +25 29 47.2 | 16.4 V | 566 | (3821) | 1996 07 23.35598 | 19 26 11.10 | -21 58 07.5 | 18.6 V | 566 |
| (1087) | 1996 07 21.61169 | 04 35 27.98 | +25 29 48.2 | 16.1 V | 566 | (3867) | 1996 07 15.41880 | 20 13 51.58 | -26 15 27.4 | 17.1 V | 566 |
| (1261) | 1996 07 21.45384 | 21 44 47.30 | -16 50 39.6 | 17.5 V | 566 | (3867) | 1996 07 15.42064 | 20 13 51.47 | -26 15 28.5 | 17.2 V | 566 |
| (1261) | 1996 07 21.47589 | 21 44 46.46 | -16 50 44.6 | 17.3 V | 566 | (3867) | 1996 07 15.43784 | 20 13 50.37 | -26 15 33.8 | 17.2 V | 566 |
| (1261) | 1996 07 21.49823 | 21 44 45.59 | -16 50 50.0 | 17.6 V | 566 | (3867) | 1996 07 15.43963 | 20 13 50.26 | -26 15 35.1 | 17.0 V | 566 |
| (1407) | 1996 07 21.60593 | 04 43 13.93 | +25 04 54.3 | 15.7 V | 566 | (3867) | 1996 07 15.45796 | 20 13 49.07 | -26 15 40.5 | 17.2 V | 566 |
| (1407) | 1996 07 21.61430 | 04 43 15.06 | +25 04 55.8 | 15.7 V | 566 | (3867) | 1996 07 15.45974 | 20 13 48.97 | -26 15 41.5 | 17.1 V | 566 |
| (1407) | 1996 07 21.62476 | 04 43 16.47 | +25 04 57.9 | 15.8 V | 566 | (4212) | 1996 03 22.60411 | 13 13 37.97 | -04 50 54.5 | 16.6 V | 566 |
| (1431) | 1996 07 15.29172 | 16 10 39.45 | -08 27 29.1 | 16.0 V | 566 | (4212) | 1996 03 22.62458 | 13 13 37.07 | -04 50 51.7 | 16.3 V | 566 |
| (1431) | 1996 07 15.30968 | 16 10 39.16 | -08 27 37.5 | 16.4 V | 566 | (4212) | 1996 03 22.64480 | 13 13 36.19 | -04 50 49.3 | 16.1 V | 566 |
| (1431) | 1996 07 15.33179 | 16 10 38.83 | -08 27 47.8 | 15.6 V | 566 | (4260) | 1996 07 14.56266 | 20 11 31.34 | -22 16 44.4 | 16.7 V | 566 |
| (1787) | 1996 07 23.52343 | 21 19 31.80 | -14 27 16.0 | 16.2 V | 566 | (4260) | 1996 07 14.58099 | 20 11 30.37 | -22 16 48.3 | 16.8 V | 566 |
| (1787) | 1996 07 23.53388 | 21 19 31.28 | -14 27 16.2 | 16.7 V | 566 | (4260) | 1996 07 14.60316 | 20 11 29.20 | -22 16 53.2 | 16.8 V | 566 |
| (1787) | 1996 07 23.54425 | 21 19 30.77 | -14 27 16.6 | 16.9 V | 566 | (4260) | 1996 07 15.41343 | 20 10 47.97 | -22 19 52.2 | 16.6 V | 566 |
| (2336) | 1996 07 14.56266 | 20 12 47.15 | -21 57 23.8 | 18.1 V | 566 | (4260) | 1996 07 15.43195 | 20 10 46.98 | -22 19 56.4 | 16.6 V | 566 |
| (2336) | 1996 07 14.57358 | 20 12 46.65 | -21 57 25.2 | 17.4 V | 566 | (4260) | 1996 07 15.45238 | 20 10 45.89 | -22 20 00.8 | 16.6 V | 566 |
| (2336) | 1996 07 14.58099 | 20 12 46.31 | -21 57 26.2 | 18.0 V | 566 | (4281) | 1996 07 15.34606 | 19 42 31.08 | -20 09 08.3 | 17.5 V | 566 |
| (2336) | 1996 07 14.59401 | 20 12 45.69 | -21 57 28.2 | 17.5 V | 566 | (4281) | 1996 07 15.36802 | 19 42 29.71 | -20 09 12.0 | 17.3 V | 566 |
| (2336) | 1996 07 14.60316 | 20 12 45.31 | -21 57 30.4 | 18.1 V | 566 | (4281) | 1996 07 15.39247 | 19 42 28.20 | -20 09 15.9 | 17.6 V | 566 |
| (2336) | 1996 07 14.61407 | 20 12 44.76 | -21 57 31.7 | 17.4 V | 566 | (4462) | 1996 07 14.55885 | 20 12 47.79 | -21 21 45.7 | 16.2 V | 566 |
| (2336) | 1996 07 23.39402 | 20 05 56.92 | -22 22 24.6 | 17.3 V | 566 | (4462) | 1996 07 14.56266 | 20 12 47.59 | -21 21 47.3 | 16.2 V | 566 |
| (2336) | 1996 07 23.40321 | 20 05 56.46 | -22 22 26.3 | 17.4 V | 566 | (4462) | 1996 07 14.57358 | 20 12 47.07 | -21 21 48.2 | 16.0 V | 566 |
| (2336) | 1996 07 23.41163 | 20 05 56.07 | -22 22 27.7 | 17.4 V | 566 | (4462) | 1996 07 14.57545 | 20 12 47.01 | -21 21 48.6 | 16.6 V | 566 |
| (2431) | 1996 07 21.59075 | 04 32 21.18 | +24 22 46.1 | 18.6 V | 566 | (4462) | 1996 07 14.57920 | 20 12 46.76 | -21 21 49.0 | 16.3 V | 566 |
| (2431) | 1996 07 21.59959 | 04 32 21.96 | +24 22 47.8 | 18.7 V | 566 | (4462) | 1996 07 14.58099 | 20 12 46.67 | -21 21 50.1 | 16.4 V | 566 |
| (2431) | 1996 07 21.60991 | 04 32 22.95 | +24 22 50.3 | 18.7 V | 566 | (4462) | 1996 07 14.59401 | 20 12 46.04 | -21 21 51.6 | 16.0 V | 566 |
| (2708) | 1996 07 14.57545 | 20 14 19.05 | -20 19 45.3 | 16.9 V | 566 | (4462) | 1996 07 14.59772 | 20 12 45.86 | -21 21 52.0 | 16.7 V | 566 |
| (2708) | 1996 07 14.59772 | 20 14 17.99 | -20 19 49.2 | 17.3 V | 566 | (4462) | 1996 07 14.59946 | 20 12 45.77 | -21 21 52.6 | 16.3 V | 566 |
| (2708) | 1996 07 14.61589 | 20 14 17.07 | -20 19 52.3 | 17.4 V | 566 | (4462) | 1996 07 14.60316 | 20 12 45.58 | -21 21 53.3 | 16.4 V | 566 |
| (2773) | 1996 07 21.45384 | 21 43 34.99 | -17 08 47.0 | 17.2 V | 566 | (4462) | 1996 07 14.61407 | 20 12 45.05 | -21 21 55.1 | 16.1 V | 566 |
| (2773) | 1996 07 21.47589 | 21 43 34.07 | -17 08 54.7 | 17.2 V | 566 | (4462) | 1996 07 14.61589 | 20 12 44.98 | -21 21 54.5 | 16.7 V | 566 |
| (2773) | 1996 07 21.49823 | 21 43 33.18 | -17 09 02.8 | 17.3 V | 566 | (4512) | 1996 07 21.36023 | 19 33 38.55 | -20 11 01.5 | 17.0 V | 566 |
| (3085) | 1996 07 23.31208 | 19 24 22.23 | -19 32 10.7 | 17.3 V | 566 | (4512) | 1996 07 21.37068 | 19 33 38.00 | -20 11 04.3 | 17.0 V | 566 |
| (3085) | 1996 07 23.32072 | 19 24 21.69 | -19 32 10.9 | 17.2 V | 566 | (4512) | 1996 07 21.38299 | 19 33 37.34 | -20 11 07.4 | 17.0 V | 566 |
| (3085) | 1996 07 23.32913 | 19 24 21.17 | -19 32 11.7 | 17.8 V | 566 | (4656) | 1996 07 14.50333 | 20 07 35.49 | -22 44 08.8 | 18.4 V | 566 |
| (3505) | 1996 07 15.42661 | 20 18 37.31 | -20 31 31.1 | 15.9 V | 566 | (4656) | 1996 07 14.50705 | 20 07 35.29 | -22 44 08.2 | 17.8 V | 566 |
| (3505) | 1996 07 15.44693 | 20 18 36.20 | -20 31 31.3 | 15.9 V | 566 | (4656) | 1996 07 14.52190 | 20 07 34.46 | -22 44 11.0 | 18.1 V | 566 |
| (3505) | 1996 07 15.46903 | 20 18 34.97 | -20 31 31.4 | 15.8 V | 566 | (4656) | 1996 07 14.52933 | 20 07 34.04 | -22 44 10.9 | 17.9 V | 566 |
| (3556) | 1996 07 14.35638 | 16 06 46.00 | -17 52 44.9 | 19.7 V | 566 | (4656) | 1996 07 14.54554 | 20 07 33.19 | -22 44 14.1 | 18.2 V | 566 |
| (3556) | 1996 07 14.37480 | 16 06 45.70 | -17 52 42.9 | 19.5 V | 566 | (4656) | 1996 07 14.54740 | 20 07 33.05 | -22 44 13.9 | 18.1 V | 566 |
| (3556) | 1996 07 14.39890 | 16 06 45.34 | -17 52 40.0 | 19.7 V | 566 | (4656) | 1996 07 14.56266 | 20 07 32.22 | -22 44 15.5 | 18.0 V | 566 |
| (3597) | 1996 07 22.44342 | 20 27 37.07 | -21 25 27.2 | 17.3 V | 566 | (4656) | 1996 07 14.58099 | 20 07 31.26 | -22 44 18.1 | 18.3 V | 566 |
| (3597) | 1996 07 22.45290 | 20 27 36.60 | -21 25 29.0 | 17.5 V | 566 | (4656) | 1996 07 14.60316 | 20 07 30.11 | -22 44 20.4 | 18.3 V | 566 |
| (3597) | 1996 07 22.46335 | 20 27 36.05 | -21 25 31.4 | 18.1 V | 566 | (4787) | 1996 07 21.46107 | 21 51 11.28 | -19 14 03.0 | 16.6 V | 566 |
| (3626) | 1996 07 14.43297 | 19 18 02.73 | -21 30 01.5 | 16.1 V | 566 | (4787) | 1996 07 21.48324 | 21 51 10.31 | -19 14 06.4 | 16.8 V | 566 |
| (3626) | 1996 07 14.46353 | 19 18 01.08 | -21 30 01.4 | 16.1 V | 566 | (4787) | 1996 07 21.50562 | 21 51 09.33 | -19 14 09.6 | 16.8 V | 566 |
| (3626) | 1996 07 14.48525 | 19 17 59.93 | -21 30 01.1 | 16.1 V | 566 | (4797) | 1996 07 15.34966 | 19 43 24.50 | -22 46 57.7 | 17.9 V | 566 |
| (3701) | 1996 07 14.41754 | 19 08 42.69 | -21 29 11.3 | 16.9 V | 566 | (4797) | 1996 07 15.37159 | 19 43 23.03 | -22 47 00.1 | 17.2 V | 566 |
| (3701) | 1996 07 14.43479 | 19 08 41.77 | -21 29 14.2 | 16.8 V | 566 | (4797) | 1996 07 15.39611 | 19 43 21.42 | -22 47 03.3 | 17.0 V | 566 |

| | | | | | |
|--------|------------------|-------------|-------------|--------|-----|
| (4980) | 1996 07 15.34966 | 19 41 56.45 | -23 29 53.1 | 18.3 V | 566 |
| (4980) | 1996 07 15.37159 | 19 41 55.36 | -23 29 56.0 | 18.6 V | 566 |
| (4980) | 1996 07 15.39611 | 19 41 54.11 | -23 29 59.4 | 18.5 V | 566 |
| (4980) | 1996 07 21.37426 | 19 37 01.34 | -23 42 41.0 | 17.9 V | 566 |
| (4980) | 1996 07 21.38863 | 19 37 00.61 | -23 42 42.7 | 17.9 V | 566 |
| (4980) | 1996 07 21.39798 | 19 37 00.12 | -23 42 44.0 | 17.7 V | 566 |
| (4985) | 1996 07 15.34787 | 19 45 17.31 | -22 27 34.1 | 18.0 V | 566 |
| (4985) | 1996 07 15.36977 | 19 45 16.19 | -22 27 36.4 | 18.0 V | 566 |
| (4985) | 1996 07 15.39423 | 19 45 14.97 | -22 27 39.9 | 18.2 V | 566 |
| (5442) | 1996 07 21.52393 | 22 42 28.06 | -09 27 03.3 | 18.7 V | 566 |
| (5442) | 1996 07 21.54141 | 22 42 27.67 | -09 27 05.2 | 18.7 V | 566 |
| (5442) | 1996 07 21.56197 | 22 42 27.32 | -09 27 06.9 | 18.8 V | 566 |
| (5888) | 1996 07 22.43990 | 20 30 20.79 | -19 59 33.9 | 17.1 V | 566 |
| (5888) | 1996 07 22.45112 | 20 30 20.16 | -19 59 35.7 | 17.1 V | 566 |
| (5888) | 1996 07 22.46147 | 20 30 19.61 | -19 59 37.4 | 17.5 V | 566 |
| (6290) | 1996 07 21.33208 | 19 27 47.81 | -20 07 20.0 | 16.9 V | 566 |
| (6290) | 1996 07 21.34398 | 19 27 47.04 | -20 07 23.2 | 16.8 V | 566 |
| (6290) | 1996 07 21.35496 | 19 27 46.32 | -20 07 26.4 | 16.7 V | 566 |
| (6305) | 1996 07 15.28620 | 16 04 36.80 | -15 29 31.1 | 19.5 V | 566 |
| (6305) | 1996 07 15.30425 | 16 04 36.72 | -15 29 34.2 | 19.5 V | 566 |
| (6305) | 1996 07 15.32600 | 16 04 36.55 | -15 29 37.9 | 19.4 V | 566 |
| (6337) | 1996 07 22.37695 | 20 02 22.18 | -20 14 56.9 | 19.5 V | 566 |
| (6337) | 1996 07 22.39503 | 20 02 21.23 | -20 15 00.8 | 19.4 V | 566 |
| (6337) | 1996 07 22.41340 | 20 02 20.34 | -20 15 04.1 | 19.4 V | 566 |
| (6337) | 1996 07 23.36237 | 20 01 35.19 | -20 18 01.7 | 19.5 V | 566 |
| (6337) | 1996 07 23.37075 | 20 01 34.85 | -20 18 03.5 | 19.8 V | 566 |
| (6337) | 1996 07 23.38192 | 20 01 34.26 | -20 18 04.9 | 18.9 V | 566 |
| (6404) | 1996 07 15.41165 | 20 04 32.98 | -21 09 21.8 | 18.2 V | 566 |
| (6404) | 1996 07 15.43017 | 20 04 32.05 | -21 09 26.0 | 17.8 V | 566 |
| (6404) | 1996 07 15.45054 | 20 04 31.03 | -21 09 29.7 | 17.9 V | 566 |
| (7071) | 1996 07 15.29364 | 16 18 06.04 | -09 07 17.7 | 18.2 V | 566 |
| (7071) | 1996 07 15.29908 | 16 18 06.00 | -09 07 19.3 | 17.6 V | 566 |
| (7071) | 1996 07 15.31154 | 16 18 05.90 | -09 07 23.8 | 18.1 V | 566 |
| (7071) | 1996 07 15.31692 | 16 18 05.89 | -09 07 25.9 | 17.7 V | 566 |
| (7071) | 1996 07 15.33402 | 16 18 05.75 | -09 07 32.4 | 17.8 V | 566 |
| (7071) | 1996 07 15.34215 | 16 18 05.70 | -09 07 34.8 | 17.5 V | 566 |
| (7071) | 1996 07 22.32007 | 16 18 03.46 | -09 50 55.6 | 18.3 V | 566 |
| (7071) | 1996 07 22.34465 | 16 18 03.53 | -09 51 04.9 | 18.3 V | 566 |
| (7071) | 1996 07 22.36761 | 16 18 03.55 | -09 51 13.4 | 19.3 V | 566 |

587 Sormano

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

[sormano@icil64.cilea.it]

Observers V. Giuliani, F. Manca, M. Cavagna

0.5-m reflector + CCD

GSC

| | | | | | |
|----------------------|------------------|-------------|-------------|---|-----|
| 1989 RS ₁ | 1996 07 15.93576 | 21 04 11.85 | +03 50 24.0 | | 587 |
| 1989 RS ₁ | 1996 07 15.94606 | 21 04 12.28 | +03 50 30.7 | | 587 |
| 1989 RS ₁ | 1996 07 15.94976 | 21 04 12.45 | +03 50 33.8 | | 587 |
| 1996 EN | 1996 07 10.88397 | 11 46 54.00 | +48 44 39.3 | | 587 |
| 1996 EN | 1996 07 10.89230 | 11 46 55.57 | +48 44 39.5 | I | 587 |
| 1996 EN | 1996 07 15.87112 | 12 01 09.92 | +48 51 30.3 | I | 587 |
| 1996 EN | 1996 07 15.88726 | 12 01 12.80 | +48 51 30.6 | I | 587 |

589 Santa Lucia Stroncone

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

[vagnozzi@freenet.hut.fi]

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

0.50-m *f*/2.8 Ritchey-Chrétien + CCD

GSC

| | | | | | |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1993 RB | 1996 07 13.03589 | 21 50 03.95 | -20 00 22.1 | 18.7 V | 589 |
| 1993 RB | 1996 07 13.04633 | 21 50 03.49 | -20 00 22.7 | | 589 |
| 1993 RB | 1996 07 13.05373 | 21 50 03.20 | -20 00 24.3 | | 589 |
| 1993 RB | 1996 07 13.06395 | 21 50 02.71 | -20 00 25.5 | | 589 |
| 1993 SE | 1996 07 12.99060 | 20 33 54.44 | -22 46 34.2 | 16.7 V | 589 |
| 1993 SE | 1996 07 12.99797 | 20 33 53.95 | -22 46 34.9 | | 589 |
| 1993 SE | 1996 07 13.00806 | 20 33 53.26 | -22 46 35.0 | | 589 |
| 1993 SE | 1996 07 13.02705 | 20 33 51.91 | -22 46 36.4 | | 589 |
| 1995 CA | 1996 05 22.92306 | 14 22 19.26 | -22 54 33.7 | 17.2 V | 589 |
| 1995 CA | 1996 05 22.93140 | 14 22 18.91 | -22 54 28.7 | | 589 |
| 1995 CA | 1996 05 22.94331 | 14 22 18.36 | -22 54 21.3 | | 589 |
| 1995 CA | 1996 06 16.86217 | 14 12 41.40 | -19 08 14.8 | 18.2 V | 589 |
| 1995 CA | 1996 06 16.87493 | 14 12 41.30 | -19 08 09.5 | | 589 |
| 1995 DA ₁ | 1996 07 12.99060 | 20 33 19.55 | -22 52 29.0 | 19.2 V | 589 |
| 1995 DA ₁ | 1996 07 12.99797 | 20 33 19.10 | -22 52 32.5 | | 589 |
| 1995 DA ₁ | 1996 07 13.00806 | 20 33 18.61 | -22 52 36.8 | | 589 |
| 1995 DA ₁ | 1996 07 13.02705 | 20 33 17.58 | -22 52 44.1 | | 589 |
| (7030) | 1996 05 22.82846 | 12 51 25.11 | -14 24 28.3 | 17.2 V | 589 |
| (7030) | 1996 05 22.83792 | 12 51 25.02 | -14 24 23.9 | | 589 |
| (7030) | 1996 05 22.88797 | 12 51 24.60 | -14 23 58.7 | | 589 |

595 Farra d'Isonzo

L. Bittesini, Via dei Conventi 10, I-34070 Farra D'Isonzo (GO), Italy

[ccaf@quark.it]

Observers G. Lombardi, E. Pettarin, A. Toso, W. Boschin, L. Bittesini, F. Piani,
G. Ierman, L. Drigo

Measurers G. Lombardi, E. Pettarin, A. Toso, L. Drigo

0.4-m *f*/4.5 reflector + CCD

GSC

| | | | | | |
|----------------------|--------------------|-------------|-------------|--------|-----|
| 1994 BE | 1996 07 09.95525 | 20 32 14.41 | -09 11 31.6 | | 595 |
| 1994 BE | 1996 07 09.96876 | 20 32 13.81 | -09 11 33.0 | 17.8 V | 595 |
| 1994 BE | 1996 07 12.96350 | 20 30 07.86 | -09 18 46.3 | | 595 |
| 1994 BE | 1996 07 12.97595 | 20 30 07.28 | -09 18 48.3 | | 595 |
| 1994 FQ | 1996 07 13.03451 | 20 44 15.18 | -05 35 29.2 | | 595 |
| 1994 FQ | 1996 07 13.05315 | 20 44 14.47 | -05 35 33.5 | 19.2 V | 595 |
| 1994 FQ | 1996 07 13.97620 | 20 43 38.96 | -05 39 25.6 | | 595 |
| 1994 FQ | 1996 07 13.99023 | 20 43 38.27 | -05 39 30.6 | | 595 |
| 1996 LP ₁ | 1996 06 23.99193 | 18 08 52.53 | -14 13 25.9 | | 595 |
| 1996 LP ₁ | 1996 06 24.00866 | 18 08 51.34 | -14 13 27.8 | | 595 |
| 1996 LP ₁ | 1996 06 24.98419 | 18 07 46.30 | -14 15 56.2 | | 595 |
| 1996 LP ₁ | 1996 06 24.99648 | 18 07 45.46 | -14 15 56.9 | 17.8 V | 595 |
| 1996 LP ₁ | 1996 06 25.00669 | 18 07 44.80 | -14 15 59.6 | | 595 |
| 1996 OB | 1996 07 16.95478 | 20 05 46.93 | -15 26 09.3 | | 595 |
| 1996 OB | * 1996 07 16.97102 | 20 05 45.99 | -15 26 11.7 | 18.4 V | 595 |
| 1996 OB | 1996 07 16.98985 | 20 05 44.76 | -15 26 13.7 | | 595 |
| 1996 OB | 1996 07 17.91855 | 20 04 48.72 | -15 27 56.0 | | 595 |

| | | | | | |
|---------|--------------------|-------------|-------------|--------|-----|
| 1996 OB | 1996 07 17.94883 | 20 04 46.76 | -15 27 59.9 | | 595 |
| 1996 OC | 1996 07 16.95777 | 20 04 48.25 | -15 27 10.0 | | 595 |
| 1996 OC | * 1996 07 16.97435 | 20 04 47.41 | -15 27 10.3 | 18.5 V | 595 |
| 1996 OC | 1996 07 17.91855 | 20 03 59.72 | -15 27 19.2 | | 595 |
| 1996 OC | 1996 07 17.94883 | 20 03 58.10 | -15 27 19.9 | | 595 |
| (1663) | 1996 07 13.89479 | 15 47 39.32 | -19 31 32.2 | 15.8 V | 595 |
| (1663) | 1996 07 13.90888 | 15 47 39.21 | -19 31 34.3 | | 595 |
| (1663) | 1996 07 13.92260 | 15 47 39.12 | -19 31 36.5 | | 595 |
| (1663) | 1996 07 13.93631 | 15 47 39.01 | -19 31 38.2 | | 595 |

596 Colleverde di Guidonia

V. S. Casulli, Via M. Rosa 1, I-00010 Colleverde di Guidonia (RM), Italy
[casulli@astrom.astro.it]

0.40-m $f/2.95$ reflector + CCD

GSC

| | | | | | |
|----------------------|--------------------|-------------|-------------|--------|-----|
| 1992 FX ₁ | 1996 06 23.85037 | 18 25 09.35 | -08 43 47.5 | 16.7 V | 596 |
| 1992 FX ₁ | 1996 06 23.85896 | 18 25 08.83 | -08 43 47.7 | | 596 |
| 1996 NT | * 1996 07 15.95999 | 22 40 35.63 | +10 50 01.2 | 16.2 V | 596 |
| 1996 NT | 1996 07 15.98059 | 22 40 35.62 | +10 50 08.5 | | 596 |
| 1996 NT | 1996 07 16.01130 | 22 40 35.63 | +10 50 19.0 | | 596 |
| 1996 NT | 1996 07 16.02205 | 22 40 35.62 | +10 50 22.5 | | 596 |
| 1996 NT | 1996 07 16.94103 | 22 40 36.31 | +10 55 22.9 | | 596 |
| 1996 NT | 1996 07 16.95940 | 22 40 36.28 | +10 55 28.5 | | 596 |
| 1996 NT | 1996 07 17.01619 | 22 40 36.15 | +10 55 46.1 | | 596 |
| 1996 NT | 1996 07 18.93274 | 22 40 33.19 | +11 05 34.8 | 16.1 V | 596 |
| 1996 NT | 1996 07 18.94647 | 22 40 33.14 | +11 05 38.9 | | 596 |
| 1996 NT | 1996 07 24.89369 | 22 39 49.80 | +11 30 38.2 | 16.1 V | 596 |
| 1996 NT | 1996 07 24.90742 | 22 39 49.60 | +11 30 41.1 | | 596 |
| 1996 NT | 1996 07 24.92116 | 22 39 49.42 | +11 30 44.0 | | 596 |
| (1994) | 1996 07 15.01137 | 00 16 36.74 | +15 59 48.4 | 16.0 V | 596 |
| (1994) | 1996 07 15.03196 | 00 16 37.78 | +16 00 00.6 | | 596 |
| (5211) | 1996 07 14.92534 | 21 33 31.94 | -05 27 45.2 | 14.7 V | 596 |
| (5211) | 1996 07 14.93564 | 21 33 31.90 | -05 28 01.4 | | 596 |
| (5211) | 1996 07 14.95782 | 21 33 31.78 | -05 28 36.5 | | 596 |
| (5211) | 1996 07 14.96812 | 21 33 31.72 | -05 28 52.4 | | 596 |

605 Marl

E. Jung, Havellandstrasse 3, D-45770 Marl, Germany

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

GSC

| | | | | | |
|--------|------------------|-------------|-------------|--------|-----|
| (1505) | 1996 07 11.94980 | 20 51 13.67 | +02 33 40.0 | 15.2 R | 605 |
| (1505) | 1996 07 11.96793 | 20 51 12.87 | +02 33 43.9 | 15.4 R | 605 |
| (1505) | 1996 07 14.00199 | 20 49 37.23 | +02 40 32.2 | 15.2 R | 605 |
| (1505) | 1996 07 14.01134 | 20 49 36.75 | +02 40 33.8 | 15.2 R | 605 |
| (1505) | 1996 07 14.02069 | 20 49 36.28 | +02 40 35.7 | 15.3 R | 605 |

608 Haleakala-AMOS

P. Kervin, Air Force Maui Optical Station, 535 Lipoa Parkway, Suite 200, Kihei,
Maui, HI 96753, U.S.A. [paul@ulua.mhpcc.af.mil]

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

Observers A. Alday, K. Moore, M. Tranilla, T. Goggia, A. Sylva

Measurers D. O'Connell, P. Kervin, B. Kraszewski, V. Soo Hoo, M. Ota, G. Fricke,
J. Becker, J. Africano, P. Sydney, D. Nishimoto, K. Imada

1.2-m reflector + CCD

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|----------------------|------------------|-------------|-------------|--------|-----|
| 1977 TD | 1996 07 01.45822 | 15 44 39.54 | +08 21 08.0 | 17.1 R | 608 |
| 1977 TD | 1996 07 01.47687 | 15 44 38.91 | +08 20 30.2 | 16.8 R | 608 |
| 1977 TD | 1996 07 08.46073 | 15 42 00.40 | +04 28 05.7 | | 608 |
| 1977 TD | 1996 07 08.50654 | 15 41 59.69 | +04 26 34.5 | | 608 |
| 1988 GD | 1996 07 01.46145 | 17 24 25.27 | -21 27 23.0 | | 608 |
| 1988 GD | 1996 07 01.48003 | 17 24 24.26 | -21 27 25.5 | 15.9 R | 608 |
| 1988 GD | 1996 07 08.47617 | 17 19 07.31 | -21 45 32.6 | 16.8 R | 608 |
| 1988 GD | 1996 07 08.51190 | 17 19 05.83 | -21 45 37.6 | | 608 |
| 1989 RS ₁ | 1996 06 27.51473 | 20 46 36.38 | +00 14 17.9 | | 608 |
| 1989 RS ₁ | 1996 06 27.54097 | 20 46 37.81 | +00 14 38.8 | | 608 |
| 1989 RS ₁ | 1996 06 28.48773 | 20 47 35.82 | +00 26 47.3 | | 608 |
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| 1992 OT | 1996 07 09.50816 | 21 53 12.51 | -00 27 30.3 | | 608 |
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| (2689) | 1996 07 09.47729 | 22 08 44.54 | -03 47 10.9 | 17.1 R | 608 | (5395) | 1996 06 28.53916 | 22 06 46.21 | -04 40 37.8 | | 608 |
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| (5850) | 1996 07 22.41569 | 22 28 22.11 | -11 26 24.8 | 16.3 R | 608 | (3287) | 1996 05 16.04461 | 17 01 45.41 | -09 40 48.1 | 610 |
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| (5870) | 1996 07 08.48913 | 18 54 40.96 | +08 22 31.7 | | 608 | (3713) | 1996 05 16.95858 | 14 59 13.49 | -01 20 00.6 | 15.8 V 610 |
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| (6391) | 1996 06 27.51751 | 20 42 31.66 | -27 47 25.4 | 16.6 R | 608 | (3862) | 1996 05 15.88257 | 13 20 05.45 | +06 57 05.1 | 610 |
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| V. Goretti, Via Resistenza 93, I-40065 Pianoro (BO), Italy | | | | | | (4058) | 1996 05 04.88646 | 12 30 00.23 | +08 21 08.4 | 610 |
| [astrofil@astboi.bo.cnr.it] | | | | | | (4058) | 1996 05 04.89293 | 12 30 00.02 | +08 21 07.9 | 610 |
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| (1115) | 1996 05 16.02095 | 16 35 32.35 | -19 12 42.2 | | 610 | (4952) | 1996 05 16.93565 | 14 52 59.81 | +09 34 52.0 | 610 |
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| (1354) | 1996 05 06.86131 | 12 31 06.31 | -02 01 08.8 | | 610 | (5216) | 1996 05 06.95727 | 14 41 40.01 | +07 19 06.7 | 610 |
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| (1529) | 1996 05 04.91383 | 13 50 18.99 | +00 07 32.2 | 16.7 V | 610 | (5268) | 1996 05 15.98642 | 15 58 21.41 | -13 07 23.4 | 17.9 V 610 |
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| (3262) | 1996 05 16.90962 | 14 09 17.33 | -04 52 04.7 | 15.3 V | 610 | 611 Starkenburg Sternwarte, Heppenheim | | | | |
| (3262) | 1996 05 16.92016 | 14 09 16.88 | -04 52 04.7 | | 610 | M. Busch, Giessener Strasse 4, D-64646 Heppenheim, Germany [mab@iez.com] | | | | |
| (3262) | 1996 05 16.93012 | 14 09 16.45 | -04 52 04.7 | | 610 | Observers W. Ernst, F. Hormuth, J. Wöhrle | | | | |
| (3264) | 1996 05 06.82921 | 12 31 01.92 | -02 05 08.3 | 16.8 V | 610 | Measurer F. Hormuth | | | | |
| (3264) | 1996 05 06.84798 | 12 31 01.52 | -02 05 06.3 | | 610 | 0.45-m <i>f</i> /4.4 reflector + CCD | | | | |
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| (3103) | 1996 07 22.03542 | 22 52 39.48 | +03 24 19.9 | | 611 |
| (3103) | 1996 07 22.04445 | 22 52 42.95 | +03 23 46.9 | | 611 |

613 Heisingen

J. Jahn, Neustädter Strasse 11, D-29389 Bodenteich, Germany

[j.jahn@abbs.heide.de]

Observer H. Denzau

0.35-m *f*/5.7 reflector + CCD

GSC

| | | | | | |
|-------|------------------|-------------|-------------|--------|-----|
| (1) | 1996 06 05.99315 | 16 24 17.46 | -18 34 29.5 | 8.2 R | 613 |
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620 Observatorio Astronómico de Mallorca

R. Pacheco, Afueras s/n, E-07144 Costitx, Balears, Spain

[astroam@dinky.bitel.es]

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

0.2-m *f*/9 Schmidt-Cassegrain + CCD

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| (45) | 1996 05 23.92044 | 15 23 55.04 | -07 18 13.1 | | 620 |
| (45) | 1996 05 23.93222 | 15 23 54.45 | -07 18 11.5 | | 620 |
| (45) | 1996 05 23.93728 | 15 23 54.19 | -07 18 11.0 | | 620 |
| (45) | 1996 05 23.97381 | 15 23 52.36 | -07 18 06.4 | | 620 |
| (45) | 1996 05 23.97613 | 15 23 52.25 | -07 18 06.1 | | 620 |
| (45) | 1996 05 24.00285 | 15 23 50.91 | -07 18 02.5 | | 620 |
| (45) | 1996 05 24.00561 | 15 23 50.77 | -07 18 02.1 | | 620 |
| (389) | 1996 05 23.95074 | 17 51 58.04 | -28 47 26.8 | | 620 |
| (389) | 1996 05 23.95271 | 17 51 57.93 | -28 47 26.2 | | 620 |
| (389) | 1996 05 23.95528 | 17 51 57.80 | -28 47 25.9 | | 620 |
| (389) | 1996 05 23.95740 | 17 51 57.69 | -28 47 25.6 | | 620 |
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| (824) | 1996 06 21.87089 | 16 00 32.54 | -08 09 33.9 | | 620 |
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| (824) | 1996 06 21.94287 | 16 00 30.08 | -08 09 43.9 | | 620 |
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| (824) | 1996 06 22.01469 | 16 00 27.61 | -08 09 54.5 | | 620 |
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| (1505) | 1996 06 29.02211 | 20 59 30.73 | +01 29 52.2 | | 620 |
| (3817) | 1996 07 03.92192 | 18 29 34.68 | -18 05 37.1 | | 620 |
| (3817) | 1996 07 03.94897 | 18 29 33.16 | -18 05 41.7 | | 620 |
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| (5217) | 1996 06 28.95228 | 18 06 36.91 | -20 36 46.3 | | 620 |
| (5217) | 1996 06 28.95751 | 18 06 36.57 | -20 36 46.1 | | 620 |
| (5217) | 1996 06 28.96560 | 18 06 36.07 | -20 36 48.1 | | 620 |
| (5217) | 1996 06 28.96817 | 18 06 35.94 | -20 36 48.1 | | 620 |

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

Observer D. D. Balam

0.5-m reflector + CCD

GSC

| | | | | | |
|---------|------------------|-------------|-------------|--|-----|
| 1996 OK | 1996 07 24.39333 | 21 19 34.79 | -16 15 01.9 | | 657 |
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| 1996 ON | 1996 07 24.37274 | 21 11 09.94 | -10 46 28.1 | | 657 |
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| 1996 ON | 1996 07 25.41961 | 21 10 24.79 | -10 45 25.8 | | 657 |
| 1996 ON | 1996 07 25.43081 | 21 10 24.35 | -10 45 24.3 | | 657 |

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

Observer D. D. Balam

1.82-m Plaskett telescope + CCD

GSC

| | | | | | |
|----------------------|------------------|-------------|-------------|--|-----|
| 1992 VM | 1996 07 07.33103 | 17 47 40.53 | -09 49 49.1 | | 658 |
| 1992 VM | 1996 07 07.33628 | 17 47 40.31 | -09 49 50.2 | | 658 |
| 1992 VM | 1996 07 07.34391 | 17 47 39.89 | -09 49 51.1 | | 658 |
| 1993 HA | 1996 07 07.30205 | 17 35 47.60 | +00 05 32.3 | | 658 |
| 1993 HA | 1996 07 07.31235 | 17 35 46.71 | +00 05 27.9 | | 658 |
| 1993 HA | 1996 07 07.31780 | 17 35 46.17 | +00 05 25.3 | | 658 |
| 1996 FQ ₃ | 1996 07 07.43582 | 20 18 59.29 | -16 28 38.2 | | 658 |
| 1996 FQ ₃ | 1996 07 07.43927 | 20 18 59.15 | -16 28 40.6 | | 658 |
| 1996 FQ ₃ | 1996 07 07.44309 | 20 18 58.97 | -16 28 42.4 | | 658 |
| 1996 KR ₁ | 1996 07 06.30226 | 16 17 47.18 | +02 51 26.8 | | 658 |
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| 1996 KR ₁ | 1996 07 06.31267 | 16 17 46.87 | +02 51 27.3 | | 658 |
| 1996 KX ₂ | 1996 07 06.31660 | 16 24 03.55 | -03 32 19.1 | | 658 |
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| 1996 MO | 1996 07 06.42964 | 20 43 33.81 | -08 45 34.5 | | 658 |
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| 1996 MQ | 1996 06 26.38094 | 17 00 03.53 | +01 15 22.0 | | 658 |

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| 1996 MS | 1996 07 06.44209 | 22 57 49.30 | -07 57 05.9 | 658 |

670 Camarillo

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

[72401.3174@compuserve.com]

0.25-m Schmidt-Cassegrain + CCD

GSC

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| 1986 RB ₅ | 1996 07 19.29028 | 20 46 11.58 | -17 55 18.4 | 16.1 V | 670 |
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| (1566) | 1996 07 04.23993 | 16 20 43.91 | -29 35 23.1 | | 670 |

675 Palomar

E. F. Helin, MS 183-501, Jet Propulsion Laboratory, Pasadena, CA 91109, U.S.A.

[efh@temblor.jpl.nasa.gov] (2)

C. S. Shoemaker, P.O. Box 984, Flagstaff, AZ 86002, U.S.A.

[gshoemaker@iflag2.wr.usgs.gov] (3)

C. J. van Houten, Sterrewacht Leiden, Postbus 9513, NL-2300 RA Leiden, The

Netherlands [vanhouten@rulh11.leidenuniv.nl] (4)

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

U.S.A. [elgb@lowell.edu] (6)

9 = 6+3

Observers T. Gehrels (4, L), E. F. Helin (2, S), K. Lawrence (2, S), J. Mueller

(6, L), C. S. Shoemaker (3, S), E. M. Shoemaker (3, S)

Measurers B. A. Skiff (6), C. J. van Houten (4), I. van Houten-Groeneveld (4),

A. Wisse (4)

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

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| 1991 RF ₂₉ | 1951 12 27.28264 | 05 18 04.65 | +26 19 21.1 | 6 | 675 |
| 1991 RF ₂₉ | 1951 12 27.31181 | 05 18 02.78 | +26 19 11.9 | 16.8 | 6 675 |
| 1994 BJ | 1994 02 12.32326 | 09 26 26.85 | +18 12 42.3 | 17.2 | 9 675 |

| | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|
| 1994 BJ | 1994 02 12.36094 | 09 26 24.73 | +18 13 00.8 | | 9 675 |
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| 1994 CX ₁₈ | * 1994 02 12.32326 | 09 20 57.68 | +16 14 09.1 | 17.5 | 9 675 |
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| 1994 CY ₁₈ | 1994 02 15.35677 | 09 25 55.22 | +11 44 05.3 | | 9 675 |
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| 2203 T-2 | 1973 10 05.39132 | 00 32 32.75 | +03 31 45.5 | 4 675 | 4303 T-3 | * 1977 10 16.28368 | 01 31 42.92 | +03 57 16.9 | 19.4 4 675 |
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| 3177 T-2 | 1973 09 19.21250 | 00 22 50.22 | -00 08 43.2 | 4 675 | 4303 T-3 | 1977 10 17.28628 | 01 30 51.01 | +03 55 06.4 | 4 675 |
| 3177 T-2 | 1973 09 19.23785 | 00 22 48.51 | -00 08 53.6 | 4 675 | 4303 T-3 | 1977 10 17.35313 | 01 30 47.45 | +03 54 57.8 | 4 675 |
| 3177 T-2 | 1973 09 19.26354 | 00 22 47.12 | -00 09 02.6 | 4 675 | 4303 T-3 | 1977 10 21.38698 | 01 27 19.40 | +03 46 45.5 | 4 675 |
| 3177 T-2 | 1973 09 20.22847 | 00 21 52.39 | -00 14 57.5 | 4 675 | 4303 T-3 | 1977 10 21.44705 | 01 27 16.44 | +03 46 37.3 | 4 675 |
| 3177 T-2 | 1973 09 20.27795 | 00 21 49.68 | -00 15 14.5 | 4 675 | (177) | 1951 12 27.28264 | 05 18 52.13 | +25 30 18.8 | 6 675 |
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| 3177 T-2 | * 1973 09 30.30174 | 00 12 07.73 | -01 16 14.6 | 18.9 4 675 | (3335) | 1994 10 31.33229 | 02 21 37.04 | +34 08 02.8 | 14.9 V 2 675 |
| 3177 T-2 | 1973 10 04.31493 | 00 08 18.98 | -01 39 16.2 | 4 675 | (5283) | 1951 12 27.28264 | 05 08 01.83 | +27 12 42.7 | 6 675 |
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| 3098 T-3 | 1977 10 07.27031 | 01 32 41.02 | +06 46 42.6 | 4 675 | | | | | |
| 3098 T-3 | 1977 10 11.28819 | 01 29 38.72 | +06 15 21.5 | 4 675 | 684 Prescott | | | | |
| 3098 T-3 | 1977 10 11.35642 | 01 29 35.50 | +06 14 50.4 | 4 675 | P. G. Comba, 1411 Galaxy Lane, Prescott, AZ 86303, U.S.A. | | | | |
| 3098 T-3 | 1977 10 12.28681 | 01 28 52.26 | +06 07 31.4 | 4 675 | [comba@bsl1.bslnet.com] | | | | |
| 3098 T-3 | 1977 10 12.35347 | 01 28 48.99 | +06 06 59.0 | 4 675 | 0.46-m f/4.5 reflector + CCD | | | | |
| 3098 T-3 | * 1977 10 16.27309 | 01 25 44.10 | +05 36 15.5 | 19.3 4 675 | GSC | | | | |
| 3098 T-3 | 1977 10 16.33872 | 01 25 40.85 | +05 35 45.4 | 4 675 | 1930 UX | 1996 07 20.34170 | 21 17 20.72 | -19 55 08.1 | 16.6 R 684 |
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691 Kitt Peak, Steward Observatory

T. Gehrels, Space Sciences Building, University of Arizona, Tucson, AZ 85721,
U.S.A. [tgehrels@lpl.arizona.edu]

Observers T. Gehrels, R. Jedicke, J. V. Scotti, J. Montani

Measurer J. V. Scotti

0.91-m Spacewatch telescope + CCD, 2.3-m $f/2$ reflector + CCD

GSC

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| 1996 JK ₁₆ | 1996 06 08.18725 | 15 25 19.77 | -06 24 44.7 | 17.7 V | 691 | 1996 KN ₅ | * 1996 05 17.15811 | 13 57 17.97 | -03 14 04.1 | | 691 |
| 1996 JK ₁₆ | 1996 06 08.20953 | 15 25 18.80 | -06 24 44.6 | | 691 | 1996 KN ₅ | 1996 05 17.17893 | 13 57 17.20 | -03 13 58.9 | 18.0 V | 691 |
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| 1996 JK ₁₆ | 1996 06 15.19727 | 15 20 57.89 | -06 27 05.2 | | 691 | 1996 KO ₅ | 1996 05 24.26086 | 15 20 23.28 | -13 03 42.7 | | 691 |
| 1996 JK ₁₆ | 1996 06 15.21839 | 15 20 57.08 | -06 27 05.9 | 17.6 V | 691 | 1996 KO ₅ | 1996 05 24.28813 | 15 20 21.82 | -13 03 43.2 | | 691 |
| 1996 JK ₁₆ | 1996 06 15.23968 | 15 20 56.34 | -06 27 06.8 | | 691 | 1996 KO ₅ | 1996 05 24.31270 | 15 20 20.53 | -13 03 44.5 | 18.7 V | 691 |
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| 1996 JL ₁₆ | 1996 05 11.33562 | 14 21 37.25 | -09 57 39.3 | | 691 | 1996 KP ₅ | 1996 05 23.25321 | 14 31 16.93 | -09 47 24.1 | | 691 |
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| 1996 JQ ₁₆ | 1996 05 11.24445 | 14 29 10.49 | -09 14 54.0 | | 691 | 1996 LE ₂ | 1996 06 08.20471 | 15 18 21.11 | -06 44 35.8 | 19.5 V | 691 |
| 1996 JQ ₁₆ | 1996 05 11.26593 | 14 29 09.22 | -09 14 51.7 | | 691 | 1996 LE ₂ | 1996 06 08.22623 | 15 18 20.29 | -06 44 33.1 | | 691 |
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| 1996 JR ₁₆ | 1996 05 15.28721 | 14 35 24.63 | -08 24 01.7 | 20.5 V | 691 | 1996 LF ₂ | 1996 06 08.23063 | 15 24 42.02 | -06 37 27.0 | | 691 |
| 1996 JR ₁₆ | 1996 05 15.33002 | 14 35 22.65 | -08 23 39.5 | | 691 | 1996 LF ₂ | 1996 06 15.19689 | 15 20 24.89 | -06 52 45.9 | 20.5 V | 691 |
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| 1996 JS ₁₆ | 1996 05 12.25359 | 15 09 48.40 | -13 08 22.4 | | 691 | 1996 LF ₂ | 1996 06 21.25953 | 15 17 49.55 | -07 13 41.9 | 20.5 V | 691 |
| 1996 JS ₁₆ | 1996 05 18.21320 | 15 04 33.67 | -12 57 32.9 | 20.9 V | 691 | 1996 LF ₂ | 1996 06 21.28700 | 15 17 48.95 | -07 13 48.8 | | 691 |
| 1996 JS ₁₆ | 1996 05 18.23459 | 15 04 32.52 | -12 57 30.6 | | 691 | 1996 LF ₂ | 1996 06 21.30828 | 15 17 48.46 | -07 13 53.4 | | 691 |
| 1996 JS ₁₆ | 1996 05 18.25596 | 15 04 31.39 | -12 57 28.7 | | 691 | 1996 LG ₂ | * 1996 06 08.19144 | 15 31 22.34 | -06 41 36.0 | 18.9 V | 691 |

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| 1996 LH ₂ | 1996 06 15.25004 | 15 35 54.20 | -06 34 20.2 | 691 | 691 | 1996 LP ₂ | 1996 06 24.31937 | 15 59 02.75 | -05 33 24.7 | 691 | |
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| 1996 LH ₂ | 1996 06 20.23530 | 15 34 19.53 | -06 28 49.3 | 691 | 691 | 1996 LQ ₂ | 1996 06 09.33068 | 16 12 40.68 | -06 27 15.2 | 691 | |
| 1996 LH ₂ | 1996 06 20.25921 | 15 34 19.13 | -06 28 48.3 | 691 | 691 | 1996 LQ ₂ | 1996 06 09.35212 | 16 12 39.67 | -06 27 12.8 | 20.6 V | 691 |
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| 1996 LJ ₂ | 1996 06 15.20080 | 15 26 03.47 | -06 27 00.9 | 20.2 V | 691 | 1996 LQ ₂ | 1996 06 10.26423 | 16 11 57.48 | -06 25 16.8 | 691 | |
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| 1996 LK ₂ | 1996 06 08.28768 | 15 23 13.39 | -07 02 22.0 | 19.8 V | 691 | 1996 LR ₂ | 1996 06 17.23557 | 16 06 27.92 | -07 12 08.5 | 19.5 V | 691 |
| 1996 LK ₂ | 1996 06 08.30926 | 15 23 12.52 | -07 02 19.1 | 691 | 691 | 1996 LR ₂ | 1996 06 17.25825 | 16 06 26.82 | -07 12 13.7 | 691 | |
| 1996 LK ₂ | 1996 06 15.19606 | 15 19 13.36 | -06 50 55.4 | 691 | 691 | 1996 LR ₂ | 1996 06 17.29021 | 16 06 25.26 | -07 12 20.9 | 691 | |
| 1996 LK ₂ | 1996 06 15.21718 | 15 19 12.65 | -06 50 54.5 | 19.7 V | 691 | 1996 LS ₂ | * 1996 06 11.17631 | 15 20 50.44 | -07 53 42.9 | 17.5 V | 691 |
| 1996 LK ₂ | 1996 06 15.23847 | 15 19 11.99 | -06 50 53.1 | 691 | 691 | 1996 LS ₂ | 1996 06 11.19743 | 15 20 49.59 | -07 53 46.0 | 691 | |
| 1996 LL ₂ | 1996 05 24.34162 | 15 38 59.26 | -07 24 16.6 | 20.3 V | 691 | 1996 LS ₂ | 1996 06 11.22471 | 15 20 48.51 | -07 53 49.3 | 691 | |
| 1996 LL ₂ | 1996 05 24.36284 | 15 38 57.96 | -07 24 14.0 | 691 | 691 | 1996 LS ₂ | 1996 06 17.16715 | 15 17 28.20 | -08 08 54.9 | 17.6 V | 691 |
| 1996 LL ₂ | 1996 05 24.38402 | 15 38 56.72 | -07 24 10.5 | 691 | 691 | 1996 LS ₂ | 1996 06 17.19078 | 15 17 27.45 | -08 08 59.1 | 691 | |
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| 1996 LL ₂ | 1996 06 08.31123 | 15 26 03.87 | -07 05 10.8 | 691 | 691 | 1996 LS ₂ | 1996 06 23.15944 | 15 14 52.22 | -08 28 34.9 | 691 | |
| 1996 LL ₂ | 1996 06 16.19084 | 15 20 49.37 | -07 09 39.5 | 20.6 V | 691 | 1996 LS ₂ | 1996 06 23.18061 | 15 14 51.71 | -08 28 39.1 | 17.8 V | 691 |
| 1996 LL ₂ | 1996 06 16.21780 | 15 20 48.37 | -07 09 41.5 | 691 | 691 | 1996 LS ₂ | 1996 06 23.20182 | 15 14 51.21 | -08 28 43.4 | 691 | |
| 1996 LL ₂ | 1996 06 16.24448 | 15 20 47.40 | -07 09 43.4 | 691 | 691 | 1996 LT ₂ | * 1996 06 11.18020 | 15 26 27.84 | -07 51 45.9 | 21.0 V | 691 |
| 1996 LL ₂ | 1996 06 21.25981 | 15 18 14.00 | -07 17 54.5 | 20.7 V | 691 | 1996 LT ₂ | 1996 06 11.20133 | 15 26 27.02 | -07 51 40.8 | 691 | |
| 1996 LL ₂ | 1996 06 21.28728 | 15 18 13.21 | -07 17 58.5 | 691 | 691 | 1996 LT ₂ | 1996 06 11.22861 | 15 26 26.06 | -07 51 34.9 | 691 | |
| 1996 LL ₂ | 1996 06 21.30855 | 15 18 12.62 | -07 18 00.5 | 691 | 691 | 1996 LT ₂ | 1996 06 16.26877 | 15 23 53.48 | -07 35 34.1 | 691 | |
| 1996 LM ₂ | * 1996 06 08.27113 | 15 30 43.98 | -07 27 17.4 | 19.9 V | 691 | 1996 LT ₂ | 1996 06 16.29028 | 15 23 52.89 | -07 35 30.5 | 21.6 V | 691 |
| 1996 LM ₂ | 1996 06 08.29287 | 15 30 43.01 | -07 27 17.5 | 691 | 691 | 1996 LT ₂ | 1996 06 16.31505 | 15 23 52.16 | -07 35 27.2 | 691 | |
| 1996 LM ₂ | 1996 06 08.31445 | 15 30 42.09 | -07 27 17.7 | 691 | 691 | 1996 LU ₂ | * 1996 06 11.18033 | 15 26 38.84 | -07 53 49.3 | 691 | |
| 1996 LM ₂ | 1996 06 16.27002 | 15 25 41.96 | -07 32 54.1 | 691 | 691 | 1996 LU ₂ | 1996 06 11.20145 | 15 26 38.05 | -07 53 47.0 | 691 | |
| 1996 LM ₂ | 1996 06 16.29153 | 15 25 41.27 | -07 32 55.8 | 691 | 691 | 1996 LU ₂ | 1996 06 11.22874 | 15 26 37.14 | -07 53 44.5 | 20.3 V | 691 |
| 1996 LM ₂ | 1996 06 16.31630 | 15 25 40.45 | -07 32 57.3 | 19.7 V | 691 | 1996 LU ₂ | 1996 06 16.26890 | 15 24 04.92 | -07 47 43.7 | 691 | |
| 1996 LM ₂ | 1996 06 22.16908 | 15 22 48.58 | -07 42 04.0 | 20.0 V | 691 | 1996 LU ₂ | 1996 06 16.29041 | 15 24 04.30 | -07 47 42.5 | 20.2 V | 691 |
| 1996 LM ₂ | 1996 06 22.19012 | 15 22 47.99 | -07 42 06.3 | 691 | 691 | 1996 LU ₂ | 1996 06 16.31518 | 15 24 03.60 | -07 47 40.9 | 691 | |
| 1996 LM ₂ | 1996 06 22.21134 | 15 22 47.44 | -07 42 08.8 | 691 | 691 | 1996 LU ₂ | 1996 06 22.16830 | 15 21 41.02 | -07 44 40.0 | 691 | |
| 1996 LN ₂ | * 1996 06 08.33080 | 20 14 32.89 | -06 27 07.8 | 19.1 V | 691 | 1996 LU ₂ | 1996 06 22.18935 | 15 21 40.53 | -07 44 40.3 | 20.3 V | 691 |
| 1996 LN ₂ | 1996 06 08.35226 | 20 14 32.59 | -06 27 07.5 | 691 | 691 | 1996 LU ₂ | 1996 06 22.21056 | 15 21 40.07 | -07 44 39.4 | 691 | |
| 1996 LN ₂ | 1996 06 08.37371 | 20 14 32.28 | -06 27 07.0 | 691 | 691 | 1996 LV ₂ | * 1996 06 11.18913 | 15 39 21.19 | -07 32 06.1 | 17.7 V | 691 |
| 1996 LN ₂ | 1996 06 09.37170 | 20 14 18.91 | -06 26 55.6 | 691 | 691 | 1996 LV ₂ | 1996 06 11.21025 | 15 39 20.23 | -07 32 08.7 | 691 | |
| 1996 LN ₂ | 1996 06 09.39322 | 20 14 18.60 | -06 26 55.1 | 19.0 V | 691 | 1996 LV ₂ | 1996 06 11.23753 | 15 39 19.00 | -07 32 11.9 | 691 | |
| 1996 LN ₂ | 1996 06 09.41451 | 20 14 18.27 | -06 26 55.0 | 691 | 691 | 1996 LV ₂ | 1996 06 22.17575 | 15 32 26.55 | -08 01 18.7 | 17.4 V | 691 |
| 1996 LO ₂ | * 1996 06 08.33388 | 20 18 59.65 | -06 01 11.3 | 691 | 691 | 1996 LV ₂ | 1996 06 22.19680 | 15 32 25.86 | -08 01 22.8 | 691 | |

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| 1996 LV ₂ | 1996 06 22.21801 | 15 32 25.13 | -08 01 27.1 | 691 | 1996 LE ₃ | 1996 06 08.29797 | 15 38 05.03 | -07 01 29.6 | 691 |
| 1996 LW ₂ | * 1996 06 11.24873 | 15 22 06.30 | -08 10 52.3 | 691 | 1996 LE ₃ | 1996 06 08.31955 | 15 38 04.02 | -07 01 29.3 | 18.9 V 691 |
| 1996 LW ₂ | 1996 06 11.27210 | 15 22 05.53 | -08 10 48.7 | 691 | 1996 LE ₃ | 1996 06 16.19914 | 15 32 48.84 | -07 11 28.3 | 691 |
| 1996 LW ₂ | 1996 06 11.29324 | 15 22 04.83 | -08 10 46.1 | 20.2 V 691 | 1996 LE ₃ | 1996 06 16.22611 | 15 32 47.84 | -07 11 31.1 | 19.1 V 691 |
| 1996 LW ₂ | 1996 06 22.16538 | 15 17 27.85 | -07 55 59.3 | 691 | 1996 LE ₃ | 1996 06 16.25279 | 15 32 46.86 | -07 11 34.2 | 691 |
| 1996 LW ₂ | 1996 06 22.18642 | 15 17 27.41 | -07 55 58.0 | 20.7 V 691 | 1996 LF ₃ | * 1996 06 09.30405 | 16 05 50.96 | -06 52 14.2 | 691 |
| 1996 LW ₂ | 1996 06 22.20764 | 15 17 27.03 | -07 55 57.4 | 691 | 1996 LF ₃ | 1996 06 09.32594 | 16 05 49.96 | -06 52 14.8 | 19.6 V 691 |
| 1996 LX ₂ | * 1996 06 11.25082 | 15 25 06.54 | -08 20 54.2 | 691 | 1996 LF ₃ | 1996 06 09.34738 | 16 05 48.99 | -06 52 15.7 | 691 |
| 1996 LX ₂ | 1996 06 11.27418 | 15 25 05.64 | -08 20 53.1 | 19.8 V 691 | 1996 LF ₃ | 1996 06 17.23167 | 16 00 19.45 | -06 59 51.2 | 691 |
| 1996 LX ₂ | 1996 06 11.29532 | 15 25 04.85 | -08 20 51.6 | 691 | 1996 LF ₃ | 1996 06 17.25436 | 16 00 18.52 | -06 59 53.0 | 19.5 V 691 |
| 1996 LX ₂ | 1996 06 17.17023 | 15 21 55.03 | -08 18 29.9 | 691 | 1996 LF ₃ | 1996 06 17.28632 | 16 00 17.24 | -06 59 56.0 | 691 |
| 1996 LX ₂ | 1996 06 17.19386 | 15 21 54.30 | -08 18 30.1 | 691 | 1996 LG ₃ | * 1996 06 11.17456 | 15 18 18.91 | -07 57 20.2 | 20.3 V 691 |
| 1996 LX ₂ | 1996 06 17.21484 | 15 21 53.67 | -08 18 30.3 | 19.9 V 691 | 1996 LG ₃ | 1996 06 11.19569 | 15 18 18.28 | -07 57 14.5 | 691 |
| 1996 LX ₂ | 1996 06 23.16273 | 15 19 36.97 | -08 22 01.3 | 19.8 V 691 | 1996 LG ₃ | 1996 06 11.22297 | 15 18 17.48 | -07 57 07.1 | 691 |
| 1996 LX ₂ | 1996 06 23.18390 | 15 19 36.58 | -08 22 02.6 | 691 | 1996 LG ₃ | 1996 06 16.26364 | 15 16 28.92 | -07 37 34.0 | 20.5 V 691 |
| 1996 LX ₂ | 1996 06 23.20511 | 15 19 36.13 | -08 22 04.1 | 691 | 1996 LG ₃ | 1996 06 16.28514 | 15 16 28.51 | -07 37 29.4 | 691 |
| 1996 LY ₂ | * 1996 06 11.25378 | 15 29 23.35 | -08 28 34.8 | 691 | 1996 LG ₃ | 1996 06 16.30992 | 15 16 27.99 | -07 37 24.3 | 691 |
| 1996 LY ₂ | 1996 06 11.27714 | 15 29 22.42 | -08 28 33.2 | 19.1 V 691 | 1996 LG ₃ | 1996 06 21.25781 | 15 15 20.26 | -07 23 40.5 | 691 |
| 1996 LY ₂ | 1996 06 11.29828 | 15 29 21.59 | -08 28 31.8 | 691 | 1996 LG ₃ | 1996 06 21.28528 | 15 15 19.92 | -07 23 37.6 | 691 |
| 1996 LY ₂ | 1996 06 23.16508 | 15 23 00.27 | -08 22 02.0 | 19.3 V 691 | 1996 LG ₃ | 1996 06 21.30656 | 15 15 19.68 | -07 23 33.5 | 21.1 V 691 |
| 1996 LY ₂ | 1996 06 23.18624 | 15 22 59.70 | -08 22 02.3 | 691 | 1996 LH ₃ | * 1996 06 11.17547 | 15 19 37.98 | -07 58 33.8 | 691 |
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| 1996 LZ ₂ | * 1996 06 15.19754 | 15 21 21.49 | -06 36 57.0 | 691 | 1996 LH ₃ | 1996 06 11.22388 | 15 19 36.39 | -07 58 29.2 | 691 |
| 1996 LZ ₂ | 1996 06 15.21866 | 15 21 20.75 | -06 37 01.6 | 691 | 1996 LH ₃ | 1996 06 22.16364 | 15 14 57.61 | -07 48 30.4 | 20.0 V 691 |
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| 1996 LZ ₂ | 1996 06 21.25979 | 15 18 11.68 | -06 59 34.7 | 691 | 1996 LH ₃ | 1996 06 22.20591 | 15 14 56.72 | -07 48 29.9 | 691 |
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| 1996 LA ₃ | 1996 06 22.17731 | 15 34 41.48 | -07 40 51.3 | 691 | 1996 LJ ₃ | 1996 06 16.31939 | 15 30 08.64 | -07 37 50.0 | 691 |
| 1996 LA ₃ | 1996 06 22.19836 | 15 34 40.98 | -07 41 00.5 | 691 | 1996 LJ ₃ | 1996 06 22.17236 | 15 27 33.13 | -07 33 15.2 | 691 |
| 1996 LA ₃ | 1996 06 22.21957 | 15 34 40.46 | -07 41 10.2 | 19.8 V 691 | 1996 LJ ₃ | 1996 06 22.19341 | 15 27 32.66 | -07 33 14.5 | 691 |
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| 1996 LC ₃ | 1996 06 15.22068 | 15 24 15.13 | -06 45 05.2 | 691 | 1996 LL ₃ | 1996 06 11.29365 | 15 22 40.45 | -08 22 38.9 | 20.9 V 691 |
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| 1996 LD ₃ | 1996 06 08.29746 | 15 37 20.78 | -07 13 56.5 | 691 | 1996 LL ₃ | 1996 06 17.21353 | 15 20 00.38 | -08 16 26.2 | 691 |
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| 1996 LD ₃ | 1996 06 16.25285 | 15 32 52.11 | -07 03 36.4 | 691 | 1996 LM ₃ | 1996 06 16.26636 | 15 20 24.87 | -08 00 57.1 | 20.2 V 691 |
| 1996 LE ₃ | * 1996 06 08.27624 | 15 38 06.05 | -07 01 27.4 | 691 | 1996 LM ₃ | 1996 06 16.28786 | 15 20 24.15 | -08 00 56.3 | 691 |

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|----------------------|--------------------|-------------|-------------|--------|-----|----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 LM ₃ | 1996 06 16.31263 | 15 20 23.31 | -08 00 55.9 | | 691 | 1996 MG | 1996 06 24.31287 | 16 06 22.41 | -05 36 51.6 | | 691 |
| 1996 LN ₃ | * 1996 06 11.25132 | 15 25 50.30 | -08 24 11.7 | | 691 | 1996 MG | 1996 06 24.32444 | 16 06 21.86 | -05 36 44.8 | 20.6 V | 691 |
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| 1996 LO ₃ | 1996 06 17.17364 | 15 26 49.82 | -08 14 47.1 | | 691 | 1996 MV | 1996 06 23.20252 | 15 15 51.76 | -08 11 02.5 | | 691 |
| 1996 LO ₃ | 1996 06 17.19726 | 15 26 49.11 | -08 14 47.9 | 17.6 V | 691 | 1996 MW | * 1996 06 16.19234 | 15 22 59.66 | -07 08 11.5 | 20.1 V | 691 |
| 1996 LO ₃ | 1996 06 17.21824 | 15 26 48.40 | -08 14 47.7 | | 691 | 1996 MW | 1996 06 16.21930 | 15 22 58.77 | -07 08 04.9 | | 691 |
| 1996 LO ₃ | 1996 06 23.16602 | 15 24 22.21 | -08 19 43.5 | | 691 | 1996 MW | 1996 06 16.24599 | 15 22 57.92 | -07 07 58.4 | | 691 |
| 1996 LO ₃ | 1996 06 23.18719 | 15 24 21.76 | -08 19 45.7 | 18.3 V | 691 | 1996 MW | 1996 06 20.20009 | 15 21 09.43 | -06 53 54.5 | | 691 |
| 1996 LO ₃ | 1996 06 23.20840 | 15 24 21.28 | -08 19 47.5 | | 691 | 1996 MW | 1996 06 20.22617 | 15 21 08.74 | -06 53 49.5 | 20.3 V | 691 |
| 1996 LP ₃ | * 1996 06 11.25681 | 15 33 45.97 | -08 18 54.1 | 18.0 V | 691 | 1996 MW | 1996 06 20.25008 | 15 21 08.09 | -06 53 44.9 | | 691 |
| 1996 LP ₃ | 1996 06 11.28017 | 15 33 44.99 | -08 18 56.6 | | 691 | 1996 MX | * 1996 06 16.19560 | 15 27 42.16 | -07 25 21.4 | 19.2 V | 691 |
| 1996 LP ₃ | 1996 06 11.30131 | 15 33 44.08 | -08 18 59.3 | | 691 | 1996 MX | 1996 06 16.22257 | 15 27 41.27 | -07 25 23.1 | | 691 |
| 1996 LP ₃ | 1996 06 17.17592 | 15 30 07.26 | -08 32 09.8 | 18.1 V | 691 | 1996 MX | 1996 06 16.24925 | 15 27 40.35 | -07 25 25.3 | | 691 |
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| 1996 LQ ₃ | 1996 06 20.17188 | 16 00 05.28 | -06 17 30.7 | 19.9 V | 691 | 1996 MY | 1996 06 16.25015 | 15 28 58.27 | -07 27 51.1 | | 691 |
| 1996 LQ ₃ | 1996 06 20.18291 | 16 00 04.86 | -06 17 30.0 | | 691 | 1996 MY | 1996 06 22.17121 | 15 25 53.05 | -07 39 53.9 | | 691 |
| 1996 LR ₃ | * 1996 06 15.20111 | 15 26 30.37 | -06 43 50.7 | 19.1 V | 691 | 1996 MY | 1996 06 22.19225 | 15 25 52.43 | -07 39 56.8 | 18.1 V | 691 |
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| 1996 LR ₃ | 1996 06 15.24352 | 15 26 28.88 | -06 43 59.3 | | 691 | 1996 MZ | * 1996 06 16.19990 | 15 33 54.22 | -07 03 58.2 | 20.3 V | 691 |
| 1996 LR ₃ | 1996 06 21.26362 | 15 23 43.26 | -07 07 10.3 | | 691 | 1996 MZ | 1996 06 16.22686 | 15 33 53.29 | -07 04 05.2 | | 691 |
| 1996 LR ₃ | 1996 06 21.29108 | 15 23 42.60 | -07 07 17.2 | 19.7 V | 691 | 1996 MZ | 1996 06 16.25354 | 15 33 52.35 | -07 04 13.0 | | 691 |
| 1996 LR ₃ | 1996 06 21.31236 | 15 23 42.10 | -07 07 22.9 | | 691 | 1996 MZ | 1996 06 22.17479 | 15 31 02.99 | -07 33 50.2 | | 691 |
| 1996 LS ₃ | * 1996 06 15.20274 | 15 28 51.53 | -06 27 58.4 | 20.7 V | 691 | 1996 MZ | 1996 06 22.19583 | 15 31 02.46 | -07 33 57.0 | 20.4 V | 691 |
| 1996 LS ₃ | 1996 06 15.22386 | 15 28 50.81 | -06 28 00.9 | | 691 | 1996 MZ | 1996 06 22.21705 | 15 31 01.89 | -07 34 04.0 | | 691 |
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| 1996 LS ₃ | 1996 06 20.20385 | 15 26 34.94 | -06 41 43.7 | | 691 | 1996 MZ | 1996 06 24.26552 | 15 30 16.51 | -07 45 26.9 | | 691 |
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| 1996 LS ₃ | 1996 06 20.25384 | 15 26 33.69 | -06 41 52.9 | | 691 | 1996 MA ₁ | 1996 06 16.22896 | 15 36 54.73 | -07 09 38.7 | | 691 |
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| 1996 LT ₃ | 1996 06 20.21040 | 15 36 02.13 | -06 41 12.5 | | 691 | 1996 MA ₁ | 1996 06 20.25985 | 15 35 15.01 | -06 53 23.2 | | 691 |
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| 1996 ME | 1996 06 22.17518 | 15 31 37.09 | -07 31 19.9 | | 691 | 1996 MB ₁ | 1996 06 21.27152 | 15 35 08.15 | -07 26 40.3 | 20.9 V | 691 |
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| 1996 ME | 1996 06 24.28107 | 15 30 20.38 | -07 41 53.2 | | 691 | 1996 MC ₁ | 1996 06 21.26865 | 15 30 59.50 | -07 11 28.0 | 20.3 V | 691 |
| 1996 MG | 1996 06 24.30149 | 16 06 22.93 | -05 36 58.8 | | 691 | 1996 MC ₁ | 1996 06 21.29612 | 15 30 58.62 | -07 11 28.8 | | 691 |

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| 1996 MC ₁ | 1996 06 21.31739 | 15 30 57.99 | -07 11 29.7 | | 691 | 1996 MM ₁ | 1996 06 20.25450 | 15 27 31.23 | -06 53 33.8 | | 691 |
| 1996 MD ₁ | * 1996 06 16.27066 | 15 26 37.16 | -07 39 57.0 | 18.5 V | 691 | 1996 MN ₁ | * 1996 06 16.27206 | 15 28 38.30 | -07 32 03.2 | | 691 |
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| 1996 MD ₁ | 1996 06 16.31693 | 15 26 35.66 | -07 40 07.0 | | 691 | 1996 MN ₁ | 1996 06 16.31833 | 15 28 36.41 | -07 32 24.1 | | 691 |
| 1996 MD ₁ | 1996 06 23.16565 | 15 23 49.61 | -08 08 10.0 | | 691 | 1996 MN ₁ | 1996 06 23.16636 | 15 24 51.59 | -08 25 59.7 | | 691 |
| 1996 MD ₁ | 1996 06 23.18682 | 15 23 49.19 | -08 08 16.4 | 18.5 V | 691 | 1996 MN ₁ | 1996 06 23.18753 | 15 24 50.98 | -08 26 10.4 | 17.6 V | 691 |
| 1996 MD ₁ | 1996 06 23.20802 | 15 23 48.76 | -08 08 22.2 | | 691 | 1996 MN ₁ | 1996 06 23.20874 | 15 24 50.35 | -08 26 20.9 | | 691 |
| 1996 ME ₁ | * 1996 06 17.16864 | 15 19 37.10 | -08 14 33.9 | | 691 | 1996 MO ₁ | * 1996 06 16.27691 | 15 35 38.36 | -07 58 28.3 | | 691 |
| 1996 ME ₁ | 1996 06 17.19227 | 15 19 36.65 | -08 14 37.5 | | 691 | 1996 MO ₁ | 1996 06 16.29841 | 15 35 37.71 | -07 58 29.5 | 20.5 V | 691 |
| 1996 ME ₁ | 1996 06 17.21325 | 15 19 36.18 | -08 14 41.1 | 20.8 V | 691 | 1996 MO ₁ | 1996 06 16.32318 | 15 35 36.92 | -07 58 30.5 | | 691 |
| 1996 ME ₁ | 1996 06 23.16180 | 15 18 16.40 | -08 33 25.3 | 20.7 V | 691 | 1996 MO ₁ | 1996 06 23.17209 | 15 33 08.07 | -08 08 28.4 | 20.7 V | 691 |
| 1996 ME ₁ | 1996 06 23.18297 | 15 18 16.19 | -08 33 29.1 | | 691 | 1996 MO ₁ | 1996 06 23.19326 | 15 33 07.69 | -08 08 31.3 | | 691 |
| 1996 ME ₁ | 1996 06 23.20418 | 15 18 16.00 | -08 33 34.5 | | 691 | 1996 MO ₁ | 1996 06 23.21447 | 15 33 07.31 | -08 08 34.1 | | 691 |
| 1996 MF ₁ | * 1996 06 17.17178 | 15 24 08.54 | -08 28 21.1 | 21.5 V | 691 | 1996 MP ₁ | * 1996 06 16.27725 | 15 36 07.89 | -07 58 12.0 | 20.6 V | 691 |
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| 1996 MF ₁ | 1996 06 23.16466 | 15 22 24.11 | -08 08 55.9 | 21.2 V | 691 | 1996 MP ₁ | 1996 06 16.32352 | 15 36 06.06 | -07 58 22.2 | | 691 |
| 1996 MF ₁ | 1996 06 23.18583 | 15 22 23.81 | -08 08 53.6 | | 691 | 1996 MP ₁ | 1996 06 23.17162 | 15 32 27.31 | -08 27 16.7 | | 691 |
| 1996 MF ₁ | 1996 06 23.20704 | 15 22 23.46 | -08 08 49.7 | | 691 | 1996 MP ₁ | 1996 06 23.19279 | 15 32 26.76 | -08 27 22.9 | | 691 |
| 1996 MG ₁ | 1996 06 11.27882 | 15 31 47.73 | -08 33 47.7 | 20.9 V | 691 | 1996 MP ₁ | 1996 06 23.21400 | 15 32 26.14 | -08 27 28.9 | 20.9 V | 691 |
| 1996 MG ₁ | * 1996 06 17.17507 | 15 28 53.64 | -08 21 11.7 | | 691 | 1996 MQ ₁ | * 1996 06 16.27789 | 15 37 03.26 | -07 54 40.3 | | 691 |
| 1996 MG ₁ | 1996 06 17.19869 | 15 28 52.94 | -08 21 10.1 | | 691 | 1996 MQ ₁ | 1996 06 16.29939 | 15 37 02.57 | -07 54 41.0 | | 691 |
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| 1996 MG ₁ | 1996 06 23.16760 | 15 26 38.69 | -08 13 36.6 | | 691 | 1996 MQ ₁ | 1996 06 22.17702 | 15 34 16.24 | -07 57 34.9 | 19.7 V | 691 |
| 1996 MG ₁ | 1996 06 23.18877 | 15 26 38.23 | -08 13 36.2 | | 691 | 1996 MQ ₁ | 1996 06 22.19806 | 15 34 15.68 | -07 57 35.6 | | 691 |
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| 1996 MH ₁ | * 1996 06 17.17634 | 15 30 43.78 | -08 21 50.6 | 17.5 V | 691 | 1996 MR ₁ | * 1996 06 17.16932 | 15 20 35.38 | -08 13 14.9 | | 691 |
| 1996 MH ₁ | 1996 06 17.19996 | 15 30 43.05 | -08 21 48.2 | | 691 | 1996 MR ₁ | 1996 06 17.19294 | 15 20 34.75 | -08 13 12.9 | 18.7 V | 691 |
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| 1996 MH ₁ | 1996 06 23.18986 | 15 28 12.53 | -08 13 01.6 | 17.5 V | 691 | 1996 MR ₁ | 1996 06 23.18301 | 15 18 19.82 | -08 07 54.6 | 18.7 V | 691 |
| 1996 MH ₁ | 1996 06 23.21106 | 15 28 12.05 | -08 13 00.4 | | 691 | 1996 MR ₁ | 1996 06 23.20422 | 15 18 19.39 | -08 07 53.9 | | 691 |
| 1996 MJ ₁ | * 1996 06 16.18711 | 15 15 26.18 | -07 28 36.0 | | 691 | 1996 MS ₁ | * 1996 06 22.17710 | 15 34 23.68 | -07 37 22.6 | 20.3 V | 691 |
| 1996 MJ ₁ | 1996 06 16.21407 | 15 15 25.40 | -07 28 42.6 | | 691 | 1996 MS ₁ | 1996 06 22.19815 | 15 34 23.02 | -07 37 24.3 | | 691 |
| 1996 MJ ₁ | 1996 06 16.24075 | 15 15 24.62 | -07 28 48.5 | 19.6 V | 691 | 1996 MS ₁ | 1996 06 22.21936 | 15 34 22.32 | -07 37 26.1 | | 691 |
| 1996 MJ ₁ | 1996 06 22.16253 | 15 13 20.52 | -07 55 04.3 | 19.7 V | 691 | 1996 MS ₁ | 1996 06 24.25306 | 15 33 23.82 | -07 40 22.2 | 20.3 V | 691 |
| 1996 MJ ₁ | 1996 06 22.18358 | 15 13 20.15 | -07 55 10.9 | | 691 | 1996 MS ₁ | 1996 06 24.26768 | 15 33 23.43 | -07 40 23.3 | | 691 |
| 1996 MJ ₁ | 1996 06 22.20480 | 15 13 19.73 | -07 55 17.1 | | 691 | 1996 MS ₁ | 1996 06 24.28317 | 15 33 22.89 | -07 40 25.3 | | 691 |
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| 1996 MK ₁ | 1996 06 22.18531 | 15 15 51.15 | -07 42 50.7 | 19.2 V | 691 | (314) | 1996 06 22.26790 | 15 29 53.77 | -02 33 32.9 | | 691 |
| 1996 MK ₁ | 1996 06 22.20653 | 15 15 50.79 | -07 42 56.8 | | 691 | (314) | 1996 06 22.28896 | 15 29 53.13 | -02 33 32.9 | | 691 |
| 1996 ML ₁ | * 1996 06 16.19253 | 15 23 15.73 | -07 25 38.6 | | 691 | (824) | 1996 06 17.31001 | 16 03 15.92 | -07 59 53.8 | 14.3 V | 691 |
| 1996 ML ₁ | 1996 06 16.21949 | 15 23 14.76 | -07 25 45.4 | 20.4 V | 691 | (824) | 1996 06 17.33196 | 16 03 15.02 | -07 59 56.0 | | 691 |
| 1996 ML ₁ | 1996 06 22.16727 | 15 20 11.82 | -07 54 25.0 | 20.1 V | 691 | (824) | 1996 06 17.36567 | 16 03 13.67 | -07 59 59.8 | | 691 |
| 1996 ML ₁ | 1996 06 22.18831 | 15 20 11.23 | -07 54 31.2 | | 691 | (1102) | 1996 06 17.18142 | 15 38 03.63 | -08 25 22.4 | 13.7 V | 691 |
| 1996 ML ₁ | 1996 06 22.20953 | 15 20 10.65 | -07 54 38.2 | | 691 | (1102) | 1996 06 17.20504 | 15 38 02.88 | -08 25 16.9 | | 691 |
| 1996 MM ₁ | * 1996 06 16.19710 | 15 29 52.14 | -07 02 59.0 | 19.7 V | 691 | (1102) | 1996 06 17.22602 | 15 38 02.17 | -08 25 12.5 | | 691 |
| 1996 MM ₁ | 1996 06 16.25074 | 15 29 50.08 | -07 02 50.4 | | 691 | (1285) | 1996 06 25.45002 | 03 04 04.09 | +22 02 53.8 | | 691 |
| 1996 MM ₁ | 1996 06 20.20452 | 15 27 32.93 | -06 53 40.0 | 19.9 V | 691 | (1285) | 1996 06 25.45681 | 03 04 04.61 | +22 02 56.7 | | 691 |
| 1996 MM ₁ | 1996 06 20.23059 | 15 27 32.07 | -06 53 36.6 | | 691 | (1285) | 1996 06 25.46292 | 03 04 05.28 | +22 02 59.4 | 16.7 V | 691 |

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|--------|------------------|-------------|-------------|--------|-----|--------|------------------|-------------|-------------|--------------|
| (1285) | 1996 06 25.46779 | 03 04 05.64 | +22 03 01.0 | 16.7 V | 691 | (93) | 1993 11 27.53832 | 12 58 11.86 | -05 32 07.1 | 695 |
| (1413) | 1996 06 17.23829 | 16 10 23.34 | -07 04 00.1 | 15.5 V | 691 | (93) | 1993 11 27.54073 | 12 58 12.04 | -05 32 08.4 | 695 |
| (1413) | 1996 06 17.29293 | 16 10 21.31 | -07 03 58.5 | | 691 | (93) | 1993 11 27.54312 | 12 58 12.24 | -05 32 09.8 | 695 |
| (2906) | 1996 06 20.28452 | 15 35 28.82 | -01 59 15.2 | 15.5 V | 691 | (167) | 1994 01 09.26873 | 05 48 32.14 | +20 20 08.6 | 695 |
| (2906) | 1996 06 20.30562 | 15 35 27.99 | -01 59 23.6 | | 691 | (167) | 1994 01 09.27546 | 05 48 31.82 | +20 20 08.6 | 13.3 V 695 |
| (2906) | 1996 06 20.32702 | 15 35 27.16 | -01 59 32.2 | | 691 | (167) | 1994 01 09.29455 | 05 48 30.94 | +20 20 09.3 | 13.3 V 695 |
| (3428) | 1996 06 18.40217 | 20 22 45.54 | -07 52 40.4 | | 691 | (167) | 1994 01 09.30285 | 05 48 30.49 | +20 20 09.5 | 13.3 V 695 |
| (3428) | 1996 06 18.42377 | 20 22 44.82 | -07 52 37.4 | | 691 | (167) | 1994 01 09.32367 | 05 48 29.45 | +20 20 09.8 | 695 |
| (3428) | 1996 06 18.44526 | 20 22 44.13 | -07 52 34.8 | 16.6 V | 691 | (167) | 1994 01 10.23017 | 05 47 47.15 | +20 20 35.2 | 13.4 V 695 |
| (3789) | 1996 04 20.37092 | 15 01 24.83 | -14 28 16.0 | | 691 | (167) | 1994 01 10.23509 | 05 47 46.91 | +20 20 35.5 | 13.5 V 695 |
| (3789) | 1996 04 20.39858 | 15 01 23.70 | -14 28 11.5 | 18.5 V | 691 | (167) | 1994 01 10.32307 | 05 47 42.70 | +20 20 37.8 | 13.6 V t 695 |
| (3789) | 1996 04 20.42021 | 15 01 22.81 | -14 28 07.6 | | 691 | (167) | 1994 01 10.32664 | 05 47 42.51 | +20 20 37.9 | t 695 |
| (4144) | 1996 06 15.19987 | 15 24 42.79 | -06 31 33.0 | | 691 | (167) | 1994 01 11.30686 | 05 46 57.71 | +20 21 06.1 | 13.5 V 695 |
| (4144) | 1996 06 15.22099 | 15 24 42.14 | -06 31 32.5 | 16.8 V | 691 | (167) | 1994 01 11.31051 | 05 46 57.54 | +20 21 06.1 | 13.5 V 695 |
| (4144) | 1996 06 15.24228 | 15 24 41.49 | -06 31 32.0 | | 691 | (167) | 1994 01 11.32973 | 05 46 56.65 | +20 21 06.6 | 13.6 V 695 |
| (4424) | 1996 06 23.39859 | 21 31 26.85 | -10 10 50.2 | 16.3 V | 691 | (209) | 1994 01 01.54877 | 12 57 14.43 | -05 31 31.1 | 695 |
| (4424) | 1996 06 23.42628 | 21 31 26.57 | -10 10 56.0 | | 691 | (209) | 1994 01 01.55127 | 12 57 14.54 | -05 31 31.9 | 695 |
| (4424) | 1996 06 23.45565 | 21 31 26.27 | -10 11 01.9 | | 691 | (209) | 1994 01 01.55346 | 12 57 14.63 | -05 31 32.7 | 695 |
| (5087) | 1996 06 15.42942 | 23 13 07.61 | -00 52 44.3 | 18.3 V | 691 | (209) | 1994 01 01.55618 | 12 57 14.75 | -05 31 33.5 | 14.4 V 695 |
| (5087) | 1996 06 15.43801 | 23 13 07.95 | -00 52 41.8 | | 691 | (209) | 1994 01 01.55848 | 12 57 14.85 | -05 31 34.3 | 14.4 V 695 |
| (5087) | 1996 06 15.44534 | 23 13 08.25 | -00 52 39.9 | | 691 | (209) | 1994 01 01.56091 | 12 57 14.95 | -05 31 35.2 | 14.3 V 695 |
| (5268) | 1996 06 23.16890 | 15 28 31.44 | -08 33 37.4 | | 691 | (5100) | 1993 05 17.23751 | 15 47 35.03 | -10 27 25.9 | 17.7 V 695 |
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| (5268) | 1996 06 23.21127 | 15 28 30.23 | -08 33 26.3 | | 691 | (6452) | 1994 01 09.26873 | 05 48 59.08 | +20 47 43.2 | 695 |
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| (5399) | 1996 06 23.46399 | 21 43 28.42 | -10 27 56.0 | | 691 | (6452) | 1994 01 09.30285 | 05 48 57.12 | +20 47 43.4 | 17.2 V 695 |
| (5444) | 1995 09 21.35518 | 23 21 05.86 | -04 50 53.5 | 17.3 V | 691 | (6452) | 1994 01 09.32367 | 05 48 56.00 | +20 47 43.5 | 695 |
| (5902) | 1996 06 23.25410 | 15 19 11.19 | -03 11 32.0 | | 691 | (6452) | 1994 01 10.23017 | 05 48 07.23 | +20 47 48.7 | 695 |
| (5902) | 1996 06 23.27531 | 15 19 10.67 | -03 11 35.3 | 18.6 V | 691 | (6452) | 1994 01 10.23509 | 05 48 06.98 | +20 47 48.8 | 17.0 V 695 |
| (5902) | 1996 06 23.30532 | 15 19 09.96 | -03 11 39.3 | | 691 | (6452) | 1994 01 10.32307 | 05 48 02.16 | +20 47 49.2 | 17.0 V t 695 |
| (6331) | 1996 06 20.19771 | 15 17 43.43 | -06 25 45.0 | | 691 | (6452) | 1994 01 10.32664 | 05 48 01.90 | +20 47 49.0 | t 695 |
| (6331) | 1996 06 20.22379 | 15 17 42.68 | -06 25 50.6 | 16.7 V | 691 | (6452) | 1994 01 11.30686 | 05 47 10.42 | +20 47 55.4 | 16.9 V 695 |
| (6331) | 1996 06 20.24770 | 15 17 41.99 | -06 25 55.6 | | 691 | (6452) | 1994 01 11.31051 | 05 47 10.22 | +20 47 55.5 | 16.9 V 695 |
| (6534) | 1996 06 11.25085 | 15 25 09.51 | -08 08 40.9 | 17.7 V | 691 | (6452) | 1994 01 11.32973 | 05 47 09.14 | +20 47 54.2 | 695 |
| (6534) | 1996 06 11.27421 | 15 25 08.51 | -08 08 47.3 | | 691 | | | | | |
| (6534) | 1996 06 11.29535 | 15 25 07.61 | -08 08 53.0 | | 691 | | | | | |
| (6594) | 1996 06 17.20493 | 15 37 53.31 | -08 31 45.5 | | 691 | | | | | |
| (6594) | 1996 06 17.22591 | 15 37 52.55 | -08 31 43.5 | 16.5 V | 691 | | | | | |

695 Kitt Peak

T. J. Balonek, Dept. of Physics and Astronomy, Colgate University, Hamilton, NY 13346, U.S.A. [tbalonek@center.colgate.edu]

Observers T. J. Balonek, S. M. Lacey, A. A. O'Donoghue

Measurers C. L. Reynolds, B. B. Haidri, T. J. Balonek

0.61-m $f/3.6$ Burrell Schmidt + CCD

GSC

| | | | | | |
|------|------------------|-------------|-------------|--------|-----|
| (93) | 1993 11 26.53900 | 12 56 51.66 | -05 22 11.7 | | 695 |
| (93) | 1993 11 26.54337 | 12 56 52.00 | -05 22 14.4 | | 695 |
| (93) | 1993 11 26.54648 | 12 56 52.24 | -05 22 16.2 | | 695 |
| (93) | 1993 11 26.54891 | 12 56 52.44 | -05 22 17.6 | | 695 |
| (93) | 1993 11 27.53181 | 12 58 11.36 | -05 32 03.4 | 12.8 R | 695 |
| (93) | 1993 11 27.53525 | 12 58 11.63 | -05 32 05.1 | 12.7 R | 695 |

696 F. L. Whipple Observatory, Mount Hopkins

B. G. Marsden, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138, U.S.A. [bmarsden@cfa.harvard.edu]

Observers J. X. Luu, W. R. Brown, C. W. Hergenrother, A. A. E. Milone

Measurers G. V. Williams, C. W. Hergenrother

1.2-m reflector + CCD

GSC

| | | | | | |
|----------------------|------------------|-------------|-------------|--------|-------|
| 1977 QQ ₅ | 1996 02 16.53325 | 15 09 39.73 | +10 25 23.6 | | t 696 |
| 1977 QQ ₅ | 1996 04 18.42944 | 14 50 39.09 | +20 21 25.1 | | r 696 |
| 1977 QQ ₅ | 1996 04 18.43924 | 14 50 38.57 | +20 21 28.8 | | I 696 |
| 1977 QQ ₅ | 1996 04 18.44905 | 14 50 38.05 | +20 21 32.8 | | I 696 |
| 1977 QQ ₅ | 1996 04 19.44172 | 14 49 43.12 | +20 28 51.1 | | t 696 |
| 1977 QQ ₅ | 1996 04 19.45086 | 14 49 42.64 | +20 28 55.2 | | t 696 |
| 1977 TD | 1996 06 24.25799 | 15 49 38.07 | +12 21 52.0 | 17.0 R | 696 |
| 1977 TD | 1996 06 24.26093 | 15 49 37.92 | +12 21 46.2 | | 696 |
| 1977 TD | 1996 06 24.27076 | 15 49 37.36 | +12 21 25.8 | | 696 |
| 1987 OA | 1996 06 25.32753 | 17 28 58.41 | -04 46 10.5 | | t 696 |

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| 1987 OA | 1996 06 25.33468 | 17 28 57.54 | -04 46 09.4 | t | 696 | (2202) | 1996 06 25.30978 | 17 14 59.33 | -07 50 19.3 | | 696 |
| 1989 RS ₁ | 1996 06 25.41304 | 20 44 26.52 | -00 12 54.1 | | 696 | (2202) | 1996 06 25.31429 | 17 14 58.99 | -07 50 19.3 | 21.2 R | 696 |
| 1989 RS ₁ | 1996 06 25.41487 | 20 44 26.64 | -00 12 52.6 | | 696 | (2811) | 1996 06 25.43958 | 22 43 17.93 | -08 23 23.1 | 16.3 R | 696 |
| 1990 KA | 1996 02 16.11940 | 06 45 53.69 | +25 02 34.0 | t | 696 | (2811) | 1996 06 25.45605 | 22 43 18.12 | -08 23 21.6 | | 696 |
| 1990 KA | 1996 02 16.12844 | 06 45 53.38 | +25 02 35.2 | t | 696 | (3908) | 1996 06 25.41751 | 21 15 45.66 | -13 19 54.7 | 19.5 R | 696 |
| 1992 JQ | 1996 06 24.20769 | 12 37 55.55 | +03 59 46.8 | | 696 | (3908) | 1996 06 25.41947 | 21 15 45.72 | -13 19 53.8 | | 696 |
| 1992 JQ | 1996 06 24.21005 | 12 37 55.69 | +03 59 45.8 | | 696 | (3908) | 1996 06 25.42338 | 21 15 45.87 | -13 19 52.1 | | 696 |
| 1992 JQ | 1996 06 24.21211 | 12 37 55.83 | +03 59 45.1 | | 696 | (4015) | 1996 06 26.22655 | 15 09 00.17 | -19 23 24.6 | | 696 |
| 1992 VM | 1996 06 25.36356 | 17 59 17.41 | -09 29 19.9 | | 696 | (4015) | 1996 06 26.23059 | 15 08 59.96 | -19 23 23.1 | | 696 |
| 1992 VM | 1996 06 25.36767 | 17 59 17.15 | -09 29 19.8 | | 696 | (4015) | 1996 06 26.23459 | 15 08 59.77 | -19 23 22.1 | | 696 |
| 1992 VM | 1996 06 25.37187 | 17 59 16.85 | -09 29 21.2 | | 696 | (5646) | 1996 06 26.21714 | 14 14 23.26 | -24 16 49.4 | | 696 |
| 1992 VM | 1996 06 26.30556 | 17 58 21.66 | -09 30 26.7 | | 696 | (5646) | 1996 06 26.21843 | 14 14 23.23 | -24 16 49.4 | | 696 |
| 1992 VM | 1996 06 26.30973 | 17 58 21.46 | -09 30 27.0 | | 696 | (5646) | 1996 06 26.22162 | 14 14 23.18 | -24 16 48.7 | | 696 |
| 1993 HA | 1996 06 25.34660 | 17 55 32.68 | +00 57 25.2 | | 696 | (6411) | 1996 06 26.26637 | 16 46 28.32 | +14 29 17.0 | | 696 |
| 1993 HA | 1996 06 25.35086 | 17 55 32.21 | +00 57 25.1 | | 696 | (6411) | 1996 06 26.27072 | 16 46 28.13 | +14 29 16.2 | | 696 |
| 1995 DL ₁ | 1996 06 26.31716 | 17 33 48.93 | -30 23 09.6 | | 696 | (6411) | 1996 06 26.27476 | 16 46 27.95 | +14 29 15.4 | | 696 |
| 1995 DL ₁ | 1996 06 26.31912 | 17 33 48.75 | -30 23 10.0 | | 696 | | | | | | |
| 1995 DL ₁ | 1996 06 26.32127 | 17 33 48.56 | -30 23 10.8 | | 696 | | | | | | |
| 1995 DU ₁ | 1996 06 26.37122 | 20 34 01.32 | -19 17 59.4 | | 696 | | | | | | |
| 1995 DU ₁ | 1996 06 26.37325 | 20 34 01.25 | -19 18 00.3 | | 696 | | | | | | |
| 1995 DU ₁ | 1996 06 26.37958 | 20 34 00.99 | -19 18 04.2 | | 696 | | | | | | |
| 1995 GO | 1996 04 17.14181 | 12 47 27.33 | -08 30 28.7 | | 696 | | | | | | |
| 1995 GO | 1996 04 17.39538 | 12 47 23.63 | -08 30 11.8 | F | 696 | | | | | | |
| 1995 GO | 1996 04 18.17964 | 12 47 12.47 | -08 29 19.0 | | 696 | 1988 XB ₅ | 1996 06 19.15907 | 09 40 37.79 | +17 59 45.6 | 19 V | 704 |
| 1995 GO | 1996 04 18.38754 | 12 47 09.47 | -08 29 04.8 | | 696 | 1988 XB ₅ | 1996 06 19.17509 | 09 40 39.46 | +17 59 35.7 | 19 V | 704 |
| 1995 GO | 1996 04 19.15299 | 12 46 58.63 | -08 28 14.1 | | 696 | 1988 XB ₅ | 1996 06 20.16332 | 09 42 37.97 | +17 48 38.6 | 19 V | 704 |
| 1995 GO | 1996 04 19.38299 | 12 46 55.32 | -08 27 58.6 | | 696 | 1988 XB ₅ | 1996 06 20.17934 | 09 42 39.84 | +17 48 27.2 | 19 V | 704 |
| 1996 FQ ₃ | 1996 06 25.38755 | 20 28 19.20 | -14 50 35.9 | | 696 | 1988 XB ₅ | 1996 06 20.19536 | 09 42 41.85 | +17 48 15.8 | 19 V | 704 |
| 1996 FQ ₃ | 1996 06 25.39174 | 20 28 18.99 | -14 50 37.8 | | 696 | 1988 XB ₅ | 1996 06 20.21137 | 09 42 43.72 | +17 48 06.4 | 19 V | 704 |
| 1996 FQ ₃ | 1996 06 25.39584 | 20 28 18.79 | -14 50 39.8 | | 696 | 1995 YJ ₃ | 1996 06 19.16046 | 09 51 47.08 | +15 49 30.1 | 19.5 V | 704 |
| 1996 LH | 1996 06 24.21617 | 12 50 24.77 | -12 32 15.8 | | 696 | 1995 YJ ₃ | 1996 06 19.17648 | 09 51 48.81 | +15 49 21.7 | 19.5 V | 704 |
| 1996 LH | 1996 06 24.22034 | 12 50 24.95 | -12 32 16.9 | | 696 | 1995 YJ ₃ | 1996 06 19.19250 | 09 51 50.92 | +15 49 15.2 | 19.5 V | 704 |
| 1996 LH | 1996 06 24.22469 | 12 50 25.20 | -12 32 18.2 | | 696 | 1995 YJ ₃ | 1996 06 20.16471 | 09 53 44.82 | +15 40 11.7 | 19.5 V | 704 |
| 1996 LH | 1996 07 19.14476 | 13 18 23.74 | -15 10 28.0 | 19.5 V | 696 | 1995 YJ ₃ | 1996 06 20.18073 | 09 53 46.56 | +15 40 02.2 | 19.5 V | 704 |
| 1996 MQ | 1996 06 26.26038 | 16 57 18.64 | +00 48 08.2 | | 696 | 1995 YJ ₃ | 1996 06 20.19675 | 09 53 48.45 | +15 39 53.2 | 19.5 V | 704 |
| 1996 MQ | 1996 06 26.26174 | 16 57 20.43 | +00 48 27.3 | | 696 | 1995 YD ₂₄ | 1995 12 19.13611 | 23 31 08.55 | +00 35 13.6 | 19.5 V | 704 |
| 1996 MQ | 1996 06 26.26289 | 16 57 21.93 | +00 48 43.5 | | 696 | 1995 YD ₂₄ | 1995 12 19.15486 | 23 31 09.78 | +00 35 24.3 | 19.5 V | 704 |
| (1566) | 1996 06 24.30041 | 17 05 08.65 | -27 54 26.0 | | 696 | 1995 YD ₂₄ | 1995 12 19.17361 | 23 31 10.93 | +00 35 32.5 | 19.5 V | 704 |
| (1566) | 1996 06 24.30157 | 17 05 08.08 | -27 54 27.5 | | 696 | 1995 YD ₂₄ | 1995 12 19.19236 | 23 31 12.17 | +00 35 41.9 | 19.5 V | 704 |
| (1566) | 1996 06 24.30273 | 17 05 07.58 | -27 54 28.9 | | 696 | 1995 YD ₂₄ | 1995 12 19.21111 | 23 31 13.48 | +00 35 52.9 | 19.5 V | 704 |
| (1566) | 1996 06 25.29065 | 16 58 03.56 | -28 14 12.2 | | 696 | 1996 BL ₁₇ | 1996 06 19.15489 | 10 27 09.63 | +15 54 01.6 | 18.2 V | 704 |
| (1566) | 1996 06 25.29203 | 16 58 03.00 | -28 14 13.9 | | 696 | 1996 BL ₁₇ | 1996 06 19.17091 | 10 27 11.38 | +15 53 48.9 | 18.2 V | 704 |
| (1566) | 1996 06 25.29338 | 16 58 02.43 | -28 14 15.3 | | 696 | 1996 BL ₁₇ | 1996 06 19.18693 | 10 27 13.06 | +15 53 37.0 | 18.2 V | 704 |
| (2060) | 1996 02 14.33536 | 12 47 54.09 | -07 59 40.8 | t | 696 | 1996 BL ₁₇ | 1996 06 19.20294 | 10 27 14.73 | +15 53 26.5 | 18.2 V | 704 |
| (2060) | 1996 02 14.45153 | 12 47 53.22 | -07 59 35.2 | | 696 | 1996 FB ₅ | 1996 06 19.15768 | 12 41 51.82 | +17 34 59.1 | 18 V | 704 |
| (2060) | 1996 02 16.42233 | 12 47 38.53 | -07 57 50.2 | | 696 | 1996 FB ₅ | 1996 06 19.18971 | 12 41 54.79 | +17 34 46.2 | 18 V | 704 |
| (2060) | 1996 02 17.30734 | 12 47 31.49 | -07 57 00.0 | | 696 | 1996 FB ₅ | 1996 06 20.16193 | 12 43 29.59 | +17 28 49.0 | 18 V | 704 |
| (2060) | 1996 02 17.53220 | 12 47 29.56 | -07 56 46.9 | | 696 | 1996 FB ₅ | 1996 06 20.17795 | 12 43 31.09 | +17 28 42.9 | 18 V | 704 |
| (2060) | 1996 04 18.16064 | 12 32 36.31 | -06 03 46.3 | | 696 | 1996 FB ₅ | 1996 06 20.19396 | 12 43 32.62 | +17 28 36.9 | 18 V | 704 |
| (2060) | 1996 04 18.16405 | 12 32 36.28 | -06 03 46.0 | | 696 | 1996 FB ₅ | 1996 06 21.17213 | 12 45 08.90 | +17 22 20.3 | 18 V | 704 |
| (2060) | 1996 04 18.16738 | 12 32 36.22 | -06 03 45.7 | | 696 | 1996 FB ₅ | 1996 06 21.18747 | 12 45 10.46 | +17 22 15.3 | 18 V | 704 |
| (2202) | 1996 06 25.30565 | 17 14 59.66 | -07 50 19.6 | | 696 | 1996 FB ₅ | 1996 07 15.16385 | 13 28 45.34 | +13 49 47.3 | 18.5 V | 704 |
| | | | | | 696 | 1996 FB ₅ | 1996 07 15.17639 | 13 28 46.81 | +13 49 38.9 | 18.5 V | 704 |

704 Lincoln Laboratory Experimental Test System, New Mexico

R. Weber, MIT Lincoln Laboratory, 244 Wood Street, Lexington, MA 02173,
U.S.A. [rweber@ll.mit.edu]

Observers R. Weber, F. Shelly, D. Beatty, L. Ramzel

Measurers R. Weber, F. Shelly, D. Harris

1.0-m $f/2.1$ reflector + CCD

| | | | | | | | | | | | |
|----------------------|--------------------|-------------|-------------|--------|-----|----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 FB ₅ | 1996 07 15.18892 | 13 28 48.33 | +13 49 29.8 | 18.5 V | 704 | 1996 MU | 1996 06 25.33050 | 16 00 38.33 | -05 35 53.6 | 19.5 V | 704 |
| 1996 FB ₅ | 1996 07 18.16049 | 13 34 41.55 | +13 16 46.9 | 18.5 V | 704 | 1996 MU | 1996 06 26.20980 | 15 59 48.44 | -05 56 28.4 | 19.5 V | 704 |
| 1996 FB ₅ | 1996 07 18.17581 | 13 34 43.34 | +13 16 36.0 | 18.5 V | 704 | 1996 MU | 1996 06 26.22236 | 15 59 47.68 | -05 56 47.1 | 19.5 V | 704 |
| 1996 FB ₅ | 1996 07 18.20610 | 13 34 46.88 | +13 16 16.0 | 18.5 V | 704 | 1996 MU | 1996 07 18.17024 | 15 49 08.09 | -14 30 30.2 | 19.8 V | 704 |
| 1996 FB ₅ | 1996 07 18.22143 | 13 34 48.70 | +13 16 05.9 | 18.5 V | 704 | 1996 MU | 1996 07 18.21655 | 15 49 07.95 | -14 31 32.3 | 19.8 V | 704 |
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| 1996 FB ₅ | 1996 07 20.18132 | 13 38 44.76 | +12 53 55.5 | 18.5 V | 704 | 1996 MU | 1996 07 18.28620 | 15 49 07.71 | -14 33 05.2 | 19.8 V | 704 |
| 1996 FB ₅ | 1996 07 20.19386 | 13 38 46.26 | +12 53 46.7 | 18.5 V | 704 | 1996 MU | 1996 07 18.29734 | 15 49 07.70 | -14 33 20.4 | 19.8 V | 704 |
| 1996 FB ₅ | 1996 07 20.20640 | 13 38 47.77 | +12 53 37.7 | 18.5 V | 704 | 1996 MU | 1996 07 20.17854 | 15 49 11.61 | -15 15 32.8 | 19.7 V | 704 |
| 1996 KA ₃ | 1996 06 19.15907 | 09 42 03.89 | +17 40 26.2 | 20 V | 704 | 1996 MU | 1996 07 20.19108 | 15 49 11.62 | -15 15 49.7 | 19.7 V | 704 |
| 1996 KA ₃ | 1996 06 19.17509 | 09 42 05.21 | +17 40 19.6 | 20 V | 704 | 1996 MU | 1996 07 20.20361 | 15 49 11.57 | -15 16 06.4 | 19.7 V | 704 |
| 1996 KA ₃ | 1996 06 20.16332 | 09 43 11.48 | +17 35 38.4 | 20 V | 704 | 1996 MU ₁ | * 1996 06 19.15489 | 10 27 34.43 | +16 07 47.0 | 19.8 V | 704 |
| 1996 KA ₃ | 1996 06 20.17934 | 09 43 12.38 | +17 35 32.2 | 20 V | 704 | 1996 MU ₁ | 1996 06 19.18693 | 10 27 36.70 | +16 07 30.1 | 19.8 V | 704 |
| 1996 KA ₃ | 1996 06 20.19536 | 09 43 13.58 | +17 35 29.0 | 20 V | 704 | 1996 MU ₁ | 1996 06 20.15914 | 10 28 45.32 | +15 59 11.6 | 19.8 V | 704 |
| 1996 KC ₃ | 1996 06 19.16046 | 09 52 04.69 | +15 46 44.4 | 19 V | 704 | 1996 MU ₁ | 1996 06 20.17516 | 10 28 46.54 | +15 59 03.7 | 19.8 V | 704 |
| 1996 KC ₃ | 1996 06 19.17648 | 09 52 06.06 | +15 46 36.1 | 19 V | 704 | 1996 MU ₁ | 1996 06 20.19118 | 10 28 47.64 | +15 58 52.8 | 19.8 V | 704 |
| 1996 KC ₃ | 1996 06 19.19250 | 09 52 07.29 | +15 46 29.3 | 19 V | 704 | 1996 MV ₁ | * 1996 06 19.17300 | 12 20 17.53 | +13 18 56.3 | 19.8 V | 704 |
| 1996 KC ₃ | 1996 06 20.16471 | 09 53 26.15 | +15 38 39.4 | 19 V | 704 | 1996 MV ₁ | 1996 06 19.18902 | 12 20 17.95 | +13 18 48.6 | 19.8 V | 704 |
| 1996 KC ₃ | 1996 06 20.18073 | 09 53 27.40 | +15 38 29.6 | 19 V | 704 | 1996 MV ₁ | 1996 06 20.16123 | 12 20 45.18 | +13 10 26.8 | 19.8 V | 704 |
| 1996 KC ₃ | 1996 06 20.19675 | 09 53 28.73 | +15 38 22.4 | 19 V | 704 | 1996 MV ₁ | 1996 06 20.17725 | 12 20 45.67 | +13 10 17.2 | 19.8 V | 704 |
| 1996 MQ | 1996 06 26.20422 | 16 56 04.58 | +00 35 00.3 | 18.8 V | 704 | 1996 MV ₁ | 1996 06 20.19327 | 12 20 46.06 | +13 10 08.6 | 19.8 V | 704 |
| 1996 MQ | 1996 06 26.22096 | 16 56 26.25 | +00 38 51.4 | 18.8 V | 704 | 1996 MV ₁ | 1996 06 20.20928 | 12 20 46.66 | +13 10 00.7 | 19.8 V | 704 |
| 1996 MQ | 1996 06 26.31098 | 16 58 24.25 | +00 59 47.7 | 18.8 V | 704 | 1996 OZ | * 1996 07 18.37774 | 00 20 20.60 | +30 15 42.6 | 19 V | 704 |
| 1996 MQ | 1996 06 26.31655 | 16 58 31.65 | +01 01 06.3 | 18.8 V | 704 | 1996 OZ | 1996 07 18.38818 | 00 20 21.04 | +30 15 59.7 | 19.5 V | 704 |
| 1996 MQ | 1996 07 17.36470 | 00 15 58.25 | +30 39 37.4 | 21.1 V | 704 | 1996 OZ | 1996 07 18.39863 | 00 20 21.57 | +30 16 16.0 | 19.5 V | 704 |
| 1996 MQ | 1996 07 17.36679 | 00 15 58.68 | +30 39 38.2 | 21.1 V | 704 | 1996 OZ | 1996 07 18.40908 | 00 20 22.09 | +30 16 32.2 | 19.5 V | 704 |
| 1996 MQ | 1996 07 17.36714 | 00 15 58.87 | +30 39 38.0 | 21.1 V | 704 | 1996 OZ | 1996 07 18.41952 | 00 20 22.49 | +30 16 47.7 | 19 V | 704 |
| 1996 MQ | 1996 07 17.36923 | 00 15 59.27 | +30 39 35.4 | 21.1 V | 704 | 1996 OZ | 1996 07 19.39941 | 00 21 08.22 | +30 42 00.1 | 19.5 V | 704 |
| 1996 MQ | 1996 07 17.36958 | 00 15 59.33 | +30 39 35.3 | 21.1 V | 704 | 1996 OZ | 1996 07 19.40289 | 00 21 08.35 | +30 42 05.7 | 19.5 V | 704 |
| 1996 MQ | 1996 07 17.36993 | 00 15 59.55 | +30 39 34.7 | 21.1 V | 704 | 1996 OZ | 1996 07 19.40637 | 00 21 08.53 | +30 42 12.5 | 19.5 V | 704 |
| 1996 MQ | 1996 07 17.39221 | 00 16 04.44 | +30 39 18.6 | 21.1 V | 704 | 1996 OZ | 1996 07 19.40986 | 00 21 08.73 | +30 42 16.6 | 19.5 V | 704 |
| 1996 MQ | 1996 07 17.39430 | 00 16 04.79 | +30 39 19.1 | 21.1 V | 704 | 1996 OZ | 1996 07 19.41334 | 00 21 08.89 | +30 42 22.5 | 19.5 V | 704 |
| 1996 MQ | 1996 07 17.39465 | 00 16 05.01 | +30 39 19.6 | 21.1 V | 704 | (2577) | 1996 06 19.18902 | 12 19 34.55 | +12 47 01.7 | 18 V | 704 |
| 1996 MQ | 1996 07 17.39500 | 00 16 04.88 | +30 39 19.1 | 21.1 V | 704 | (2775) | 1996 06 19.16046 | 09 51 57.35 | +15 57 13.5 | 19.5 V | 704 |
| 1996 MQ | 1996 07 17.39534 | 00 16 04.97 | +30 39 18.6 | 21.1 V | 704 | (2775) | 1996 06 19.17648 | 09 51 58.63 | +15 57 04.6 | 19.5 V | 704 |
| 1996 MQ | 1996 07 17.39569 | 00 16 05.12 | +30 39 18.7 | 21.1 V | 704 | (2775) | 1996 06 19.19250 | 09 52 00.19 | +15 56 55.7 | 19.5 V | 704 |
| 1996 MQ | 1996 07 17.39604 | 00 16 05.22 | +30 39 18.8 | 21.1 V | 704 | (2775) | 1996 06 20.16471 | 09 53 27.08 | +15 49 14.0 | 19.5 V | 704 |
| 1996 MQ | 1996 07 17.39639 | 00 16 05.20 | +30 39 17.2 | 21.1 V | 704 | (2775) | 1996 06 20.18073 | 09 53 28.36 | +15 49 04.7 | 19.5 V | 704 |
| 1996 MQ | 1996 07 17.39674 | 00 16 05.35 | +30 39 17.5 | 21.1 V | 704 | (2775) | 1996 06 20.19675 | 09 53 30.05 | +15 48 58.3 | 19.5 V | 704 |
| 1996 MQ | 1996 07 17.39709 | 00 16 05.44 | +30 39 17.1 | 21.1 V | 704 | (6184) | 1996 06 19.15489 | 10 28 20.66 | +15 43 42.9 | 19.0 V | 704 |
| 1996 MQ | 1996 07 17.39743 | 00 16 05.54 | +30 39 16.7 | 21.1 V | 704 | (6184) | 1996 06 19.17091 | 10 28 21.81 | +15 43 34.7 | 19.0 V | 704 |
| 1996 MQ | 1996 07 17.40997 | 00 16 08.36 | +30 39 07.8 | 21.1 V | 704 | (6184) | 1996 06 19.18693 | 10 28 23.04 | +15 43 27.2 | 19.0 V | 704 |
| 1996 MQ | 1996 07 17.41032 | 00 16 08.38 | +30 39 08.8 | 21.1 V | 704 | | | | | | |
| 1996 MQ | 1996 07 17.41067 | 00 16 08.41 | +30 39 09.3 | 21.1 V | 704 | | | | | | |
| 1996 MQ | 1996 07 17.41101 | 00 16 08.49 | +30 39 09.3 | 21.1 V | 704 | | | | | | |
| 1996 MQ | 1996 07 17.42007 | 00 16 10.45 | +30 39 00.7 | 21.1 V | 704 | | | | | | |
| 1996 MQ | 1996 07 17.42216 | 00 16 10.97 | +30 39 00.8 | 21.1 V | 704 | | | | | | |
| 1996 MQ | 1996 07 17.42250 | 00 16 10.99 | +30 39 00.6 | 21.1 V | 704 | | | | | | |
| 1996 MQ | 1996 07 17.42320 | 00 16 11.09 | +30 39 00.4 | 21.1 V | 704 | | | | | | |
| 1996 MQ | 1996 07 17.42355 | 00 16 11.24 | +30 38 58.5 | 21.1 V | 704 | | | | | | |
| 1996 MQ | 1996 07 17.42494 | 00 16 11.40 | +30 38 57.5 | 21.1 V | 704 | | | | | | |
| 1996 MU | * 1996 06 25.31378 | 16 00 39.32 | -05 35 29.4 | 19.5 V | 704 | | | | | | |

709 W & B Observatory, Cloudcroft

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

[offutt@galileo.apo.nmsu.edu]

0.60-m *f*/7 Ritchey-Chrétien + CCD

GSC

| | | | | | |
|---------|------------------|-------------|-------------|--------|-----|
| 1992 VM | 1996 06 24.27856 | 18 00 21.63 | -09 28 07.3 | 20.0 V | 709 |
| 1992 VM | 1996 06 24.28146 | 18 00 21.33 | -09 28 07.6 | 20.3 V | 709 |
| 1992 VM | 1996 06 24.28469 | 18 00 21.13 | -09 28 07.2 | 20.1 V | 709 |
| 1992 VM | 1996 06 24.28862 | 18 00 20.94 | -09 28 07.6 | 19.8 V | 709 |

1996 LH 1996 07 08.19101 13 04 43.21 -13 54 31.7 20.0 V 709
 1996 LH 1996 07 08.20125 13 04 43.94 -13 54 35.7 19.9 V 709

710 Florissant

B. D. Warner, Box 818, Florissant, CO 80816, U.S.A.

[71511.515@compuserve.com]

0.25-m *f*/6.3 Schmidt-Cassegrain

GSC

| | | | | | |
|----------------------|------------------|-------------|-------------|------|-------|
| 1996 JA ₁ | 1996 05 19.16562 | 14 15 26.38 | +14 20 49.3 | | s 710 |
| (2) | 1996 05 19.21250 | 14 15 31.79 | +25 12 07.1 | 7.8 | 710 |
| (12) | 1996 07 14.24514 | 19 48 35.52 | -04 49 28.5 | | 710 |
| (12) | 1996 07 15.19861 | 19 47 47.48 | -04 46 28.6 | | 710 |
| (70) | 1996 05 19.20625 | 12 18 49.65 | +05 54 17.1 | | 710 |
| (137) | 1996 07 14.25903 | 19 17 42.11 | +00 38 06.5 | | 710 |
| (137) | 1996 07 15.20625 | 19 17 00.12 | +00 36 37.2 | | 710 |
| (204) | 1996 07 14.26389 | 18 41 31.65 | -08 20 28.1 | | 710 |
| (204) | 1996 07 15.18750 | 18 40 49.62 | -08 22 16.7 | | 710 |
| (256) | 1996 07 11.20694 | 17 59 00.51 | -03 22 06.3 | | 710 |
| (258) | 1996 07 08.16458 | 14 11 07.09 | -05 36 52.9 | | 710 |
| (258) | 1996 07 11.16458 | 14 12 08.65 | -05 40 10.6 | 13.7 | 710 |
| (313) | 1996 07 11.17014 | 14 47 59.42 | -01 46 57.6 | | 710 |
| (335) | 1996 05 14.25972 | 11 42 32.23 | +07 21 56.6 | | 710 |
| (369) | 1996 05 14.29444 | 14 37 15.57 | +00 44 03.4 | | 710 |
| (369) | 1996 05 18.22847 | 14 33 56.63 | +00 42 41.8 | | 710 |
| (376) | 1996 05 19.19931 | 11 58 22.85 | -09 19 21.9 | 13.2 | 710 |
| (391) | 1996 07 11.18472 | 16 07 21.29 | +06 41 42.1 | | 710 |
| (482) | 1996 05 18.22222 | 14 31 42.52 | +01 15 36.7 | | 710 |
| (504) | 1996 07 08.21667 | 16 34 58.97 | -14 29 12.7 | 14.2 | 710 |
| (504) | 1996 07 11.19028 | 16 33 20.99 | -14 44 39.9 | | 710 |
| (521) | 1996 05 18.21597 | 13 12 54.77 | +05 41 51.8 | 13.8 | 710 |
| (582) | 1996 07 11.21250 | 18 53 42.18 | +10 52 40.1 | | 710 |
| (635) | 1996 07 08.22153 | 17 01 50.27 | -07 45 50.9 | 14.5 | 710 |
| (635) | 1996 07 11.19583 | 17 00 18.43 | -07 50 23.8 | | 710 |
| (635) | 1996 07 13.20625 | 16 59 21.46 | -07 53 58.3 | | 710 |
| (635) | 1996 07 15.17292 | 16 58 29.93 | -07 57 47.7 | | 710 |
| (676) | 1996 07 11.20139 | 16 39 17.31 | -05 03 05.0 | | 710 |
| (676) | 1996 07 13.21111 | 16 38 32.06 | -05 12 35.3 | | 710 |
| (676) | 1996 07 15.17778 | 16 37 52.93 | -05 22 21.3 | | 710 |
| (714) | 1996 07 08.17639 | 15 16 10.85 | -13 00 19.0 | 14.0 | 710 |
| (714) | 1996 07 11.17500 | 15 16 29.31 | -12 53 29.0 | 13.5 | 710 |
| (774) | 1996 05 18.25069 | 13 09 05.24 | -12 38 53.2 | | 710 |
| (856) | 1996 05 18.23333 | 14 44 14.46 | +10 22 05.7 | | 710 |
| (912) | 1996 05 18.20556 | 11 56 06.37 | +09 53 32.8 | | 710 |
| (1102) | 1996 07 11.17986 | 15 31 15.86 | -07 36 38.1 | | 710 |
| (3103) | 1996 07 14.25417 | 22 11 57.30 | +09 01 28.0 | | 710 |
| (3103) | 1996 07 15.22882 | 22 16 05.55 | +08 32 02.8 | | 710 |
| (5118) | 1996 07 13.20208 | 17 27 03.99 | -14 44 38.7 | | 710 |
| (5279) | 1996 07 15.18264 | 18 42 06.89 | -26 27 19.5 | | 710 |

711 McDonald Observatory

A. L. Whipple, McDonald Observatory, University of Texas, Austin, TX 78712,

U.S.A. [alw@astro.as.utexas.edu]

Observers P. J. Shelus, A. L. Whipple

0.76-m telescope with Prime Focus Corrector + CCD

GSC 1.1

| | | | | | |
|----------------------|------------------|-------------|-------------|--|-----|
| 1987 OA | 1996 06 26.19754 | 17 27 12.53 | -04 44 19.1 | | 711 |
| 1987 OA | 1996 07 20.21434 | 16 43 54.42 | -05 09 25.5 | | 711 |
| 1987 OA | 1996 07 20.22763 | 16 43 53.26 | -05 09 28.6 | | 711 |
| 1987 OA | 1996 07 23.12722 | 16 40 04.02 | -05 21 58.4 | | 711 |
| 1987 OA | 1996 07 23.14034 | 16 40 03.01 | -05 22 01.8 | | 711 |
| 1987 PA | 1996 07 13.45838 | 23 15 13.85 | -14 57 35.6 | | 711 |
| 1987 PA | 1996 07 13.46205 | 23 15 13.78 | -14 57 19.0 | | 711 |
| 1987 PA | 1996 07 23.36337 | 23 10 28.76 | -03 06 04.3 | | 711 |
| 1987 PA | 1996 07 23.36737 | 23 10 28.52 | -03 05 48.1 | | 711 |
| 1989 RC | 1996 06 26.15647 | 15 44 49.93 | +01 17 00.9 | | 711 |
| 1989 RC | 1996 06 26.16277 | 15 44 49.63 | +01 16 59.0 | | 711 |
| 1989 RC | 1996 07 20.19704 | 15 43 25.20 | -03 54 27.5 | | 711 |
| 1989 RC | 1996 07 20.20412 | 15 43 25.44 | -03 54 36.1 | | 711 |
| 1989 RS ₁ | 1996 06 26.29074 | 20 45 21.49 | -00 01 32.2 | | 711 |
| 1989 RS ₁ | 1996 07 21.37203 | 21 09 09.10 | +04 39 48.2 | | 711 |
| 1989 RS ₁ | 1996 07 21.38172 | 21 09 09.53 | +04 39 52.9 | | 711 |
| 1991 CS | 1996 07 12.42211 | 22 15 23.24 | +58 41 03.9 | | 711 |
| 1991 CS | 1996 07 12.43532 | 22 15 24.43 | +58 41 10.1 | | 711 |
| 1991 CS | 1996 07 22.43635 | 22 33 09.34 | +59 42 01.2 | | 711 |
| 1991 CS | 1996 07 22.44948 | 22 33 10.76 | +59 42 04.0 | | 711 |
| 1991 QG | 1996 07 20.32888 | 18 56 44.92 | -09 30 23.2 | | 711 |
| 1991 QG | 1996 07 20.33293 | 18 56 44.72 | -09 30 23.6 | | 711 |
| 1992 AA | 1996 07 20.36858 | 20 14 52.86 | -23 51 24.8 | | 711 |
| 1992 AA | 1996 07 20.38239 | 20 14 51.80 | -23 51 30.3 | | 711 |
| 1992 AA | 1996 07 22.30881 | 20 12 27.68 | -24 04 09.8 | | 711 |
| 1992 AA | 1996 07 23.30540 | 20 11 12.63 | -24 10 36.3 | | 711 |
| 1992 AA | 1996 07 23.31860 | 20 11 11.54 | -24 10 41.7 | | 711 |
| 1992 JB | 1996 07 22.27246 | 18 45 39.63 | +11 28 24.6 | | 711 |
| 1992 JB | 1996 07 22.28358 | 18 45 38.78 | +11 28 16.9 | | 711 |
| 1992 LC | 1996 07 20.15439 | 14 49 18.07 | -26 53 15.9 | | 711 |
| 1992 LC | 1996 07 20.16450 | 14 49 19.18 | -26 53 23.1 | | 711 |
| 1993 SE | 1996 07 20.41621 | 20 25 30.12 | -22 54 51.9 | | 711 |
| 1993 SE | 1996 07 20.41945 | 20 25 29.89 | -22 54 52.0 | | 711 |
| 1993 VA | 1996 07 20.44352 | 21 58 11.50 | -11 52 13.7 | | 711 |
| 1993 VA | 1996 07 20.45426 | 21 58 10.81 | -11 52 20.5 | | 711 |
| 1993 VO | 1996 06 26.16855 | 15 48 30.95 | -13 13 16.5 | | 711 |
| 1993 VO | 1996 06 26.17403 | 15 48 30.76 | -13 13 15.6 | | 711 |
| 1993 VO | 1996 07 20.18244 | 15 41 59.49 | -13 04 50.8 | | 711 |
| 1993 VO | 1996 07 20.18948 | 15 41 59.50 | -13 04 51.2 | | 711 |
| 1993 VJ ₅ | 1996 07 23.17758 | 18 44 31.86 | -23 30 18.6 | | 711 |
| 1993 VJ ₅ | 1996 07 23.18621 | 18 44 31.38 | -23 30 19.9 | | 711 |
| 1994 PC | 1996 07 12.40251 | 22 29 07.70 | -08 24 47.7 | | 711 |
| 1994 PC | 1996 07 12.40762 | 22 29 08.36 | -08 24 50.5 | | 711 |
| 1994 PC | 1996 07 21.42588 | 22 51 12.41 | -10 16 03.9 | | 711 |
| 1994 PC | 1996 07 22.38638 | 22 53 45.07 | -10 31 47.1 | | 711 |
| 1994 PC | 1996 07 22.39074 | 22 53 45.72 | -10 31 51.5 | | 711 |
| 1995 DG ₂ | 1996 07 20.42961 | 21 07 42.77 | -17 45 36.0 | | 711 |
| 1995 DG ₂ | 1996 07 20.43413 | 21 07 42.51 | -17 45 36.7 | | 711 |
| 1995 DG ₂ | 1996 07 22.35069 | 21 05 56.48 | -17 51 49.0 | | 711 |
| 1995 DG ₂ | 1996 07 22.35538 | 21 05 56.21 | -17 51 49.9 | | 711 |

| | | | | | |
|---------|--------------------|-------------|-------------|--------|-------|
| 1996 MB | 1996 06 20.20417 | 16 07 47.75 | -22 19 21.1 | | 735 |
| 1996 MB | 1996 07 04.12778 | 16 02 03.98 | -21 51 05.7 | V | 735 |
| 1996 MB | 1996 07 04.13681 | 16 02 03.84 | -21 51 04.6 | V | 735 |
| 1996 MB | 1996 07 04.14861 | 16 02 03.59 | -21 51 03.2 | V | 735 |
| 1996 MB | 1996 07 06.13333 | 16 01 44.02 | -21 48 16.2 | | 735 |
| 1996 MB | 1996 07 06.15208 | 16 01 43.88 | -21 48 15.0 | | 735 |
| 1996 MB | 1996 07 06.22674 | 16 01 43.07 | -21 48 08.4 | | 735 |
| 1996 MB | 1996 07 12.11597 | 16 01 31.02 | -21 42 03.5 | | 735 |
| 1996 MB | 1996 07 12.13681 | 16 01 30.95 | -21 42 02.6 | | 735 |
| 1996 MB | 1996 07 12.17847 | 16 01 31.02 | -21 42 00.8 | | 735 |
| 1996 MB | 1996 07 20.13955 | 16 03 02.28 | -21 38 56.8 | 19.6 R | F 735 |
| 1996 MB | 1996 07 20.15205 | 16 03 02.55 | -21 38 54.4 | | F 735 |
| 1996 MB | 1996 07 20.16802 | 16 03 02.71 | -21 38 55.7 | 19.8 R | F 735 |
| 1996 MB | 1996 07 21.21698 | 16 03 23.74 | -21 38 58.2 | 19.3 R | F 735 |
| 1996 MB | 1996 07 21.23851 | 16 03 24.32 | -21 38 58.9 | | F 735 |
| 1996 MB | 1996 07 21.24441 | 16 03 24.33 | -21 38 58.3 | 19.6 R | F 735 |
| 1996 NR | * 1996 07 14.27551 | 19 26 46.44 | -24 00 06.4 | 17.5 R | 735 |
| 1996 NR | 1996 07 14.29791 | 19 26 45.24 | -24 00 15.6 | 17.6 R | 735 |
| 1996 NR | 1996 07 14.33472 | 19 26 43.25 | -24 00 29.4 | 17.1 R | 735 |
| 1996 NR | 1996 07 15.17361 | 19 25 59.60 | -24 06 04.8 | 16.1 R | 735 |
| 1996 NR | 1996 07 15.18750 | 19 25 58.75 | -24 06 12.1 | 15.8 R | 735 |
| 1996 NR | 1996 07 15.21528 | 19 25 57.19 | -24 06 23.8 | 15.7 R | 735 |
| 1996 NR | 1996 07 20.22149 | 19 21 39.31 | -24 38 37.5 | 18.5 R | 735 |
| 1996 NR | 1996 07 20.23538 | 19 21 38.52 | -24 38 43.2 | 18.6 R | I 735 |
| 1996 NR | 1996 07 20.24441 | 19 21 37.95 | -24 38 46.8 | 18.4 R | I 735 |
| 1996 NR | 1996 07 21.28469 | 19 20 45.82 | -24 45 12.0 | 18.5 R | 735 |
| 1996 NR | 1996 07 21.30205 | 19 20 45.06 | -24 45 18.1 | | 735 |
| 1996 NR | 1996 07 21.30899 | 19 20 44.81 | -24 45 20.9 | 18.7 R | 735 |
| (5683) | 1996 07 14.20207 | 15 54 13.28 | -22 27 41.3 | 18.3 R | b 735 |
| (5683) | 1996 07 14.21596 | 15 54 13.13 | -22 27 41.9 | 18.6 R | b 735 |
| (5683) | 1996 07 14.24166 | 15 54 12.83 | -22 27 42.3 | 18.4 R | b 735 |

750 Hobbs Observatory, Fall Creek

R. Elliott, Rt. #2 Box 93, Fall Creek, WI 54742, U.S.A.

[elliottb@cnsvox.uwec.edu]

0.61-m *f*/5 telescope + CCD

GSC

| | | | | | |
|--------|------------------|-------------|-------------|--|-----|
| (1685) | 1996 07 22.23333 | 23 56 56.64 | +28 18 30.3 | | 750 |
| (1685) | 1996 07 22.24167 | 23 56 59.94 | +28 19 21.8 | | 750 |
| (1685) | 1996 07 23.26389 | 00 04 02.37 | +30 04 15.8 | | 750 |
| (1685) | 1996 07 23.27431 | 00 04 06.75 | +30 05 21.3 | | 750 |

763 King City

R. Sandness, 263 Burns Boulevard, King City, ON L7B 1E3, Canada

[75443.2030@compuserve.com]

0.35-n reflector + CCD

GSC

| | | | | | |
|--------|------------------|-------------|-------------|--------|-----|
| (825) | 1996 07 06.14354 | 16 04 24.74 | -18 45 21.3 | 15.1 R | 763 |
| (825) | 1996 07 06.16282 | 16 04 24.45 | -18 45 23.7 | 15.2 R | 763 |
| (1968) | 1996 07 01.11647 | 13 34 56.47 | -07 28 24.8 | 16.9 R | 763 |
| (1968) | 1996 07 01.12029 | 13 34 56.62 | -07 28 26.3 | 17.3 R | 763 |
| (1968) | 1996 07 01.16940 | 13 34 58.34 | -07 28 43.7 | 16.6 R | 763 |
| (2301) | 1996 07 06.14920 | 16 04 39.72 | -18 51 11.0 | 18.5 R | 763 |

| | | | | | |
|--------|------------------|-------------|-------------|--------|-----|
| (2301) | 1996 07 06.15140 | 16 04 39.65 | -18 51 11.0 | 19.0 R | 763 |
| (2301) | 1996 07 06.16509 | 16 04 39.28 | -18 51 10.9 | 18.5 R | 763 |
| (2301) | 1996 07 06.16721 | 16 04 39.23 | -18 51 11.6 | 18.7 R | 763 |
| (5826) | 1996 07 01.10706 | 13 35 24.76 | -06 59 03.2 | 18.0 R | 763 |
| (5826) | 1996 07 01.10932 | 13 35 24.85 | -06 59 03.7 | 18.1 R | 763 |

776 Foggy Bottom Observatory

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

Observers T. J. Balonek, L. M. Lee, T. Tongue, S. Wolak, S. Strom, R. Verma, A. Jameel, D. Bergeron

Measurers L. M. Lee, L. W. Brennenman, S. Leonard, T. J. Balonek, K. M. Cole, R. Verma, S. Wolak

0.40-m *f*/13 Cassegrain reflector + CCD
GSC

| | | | | | |
|----------------------|------------------|-------------|-------------|--------|-------|
| 1991 GZ ₄ | 1991 05 19.21910 | 12 56 18.07 | -05 50 23.2 | 17.2 R | 776 |
| 1991 GZ ₄ | 1991 05 20.16360 | 12 56 06.60 | -05 50 18.0 | 17.9 R | 776 |
| 1991 GZ ₄ | 1991 05 20.16823 | 12 56 06.59 | -05 50 18.8 | | 776 |
| 1991 GZ ₄ | 1991 05 20.17199 | 12 56 06.46 | -05 50 18.4 | | 776 |
| 1991 GZ ₄ | 1991 05 20.18837 | 12 56 06.32 | -05 50 18.1 | 17.4 R | 776 |
| 1991 GZ ₄ | 1991 05 20.19630 | 12 56 06.23 | -05 50 18.5 | | 776 |
| 1991 GZ ₄ | 1991 05 20.20347 | 12 56 06.20 | -05 50 18.9 | | F 776 |
| 1991 GZ ₄ | 1991 05 20.21551 | 12 56 06.05 | -05 50 17.9 | | F 776 |
| 1991 GZ ₄ | 1991 05 20.21875 | 12 56 05.93 | -05 50 17.8 | | 776 |
| 1991 GZ ₄ | 1991 05 20.23027 | 12 56 05.79 | -05 50 18.3 | | 776 |
| 1991 GZ ₄ | 1991 05 20.23553 | 12 56 05.74 | -05 50 18.6 | | 776 |
| 1991 GZ ₄ | 1991 05 20.24080 | 12 56 05.67 | -05 50 18.3 | | 776 |
| 1991 GZ ₄ | 1991 05 20.25052 | 12 56 05.53 | -05 50 17.9 | | 776 |
| 1991 GZ ₄ | 1991 05 21.11765 | 12 55 56.90 | -05 50 23.2 | | 776 |
| 1991 GZ ₄ | 1991 06 03.12321 | 12 56 38.39 | -06 08 47.0 | | r 776 |
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| | | | | | | 801 Oak Ridge | | | | | |
| | | | | | | R. E. McCrosky, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, | | | | | |
| | | | | | | Cambridge, MA 02138, U.S.A. [mccrosky@cfa.harvard.edu] | | | | | |
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| 1993 SJ ₁ | 1996 07 12.11537 | 16 53 06.80 | -11 37 14.3 | 801 | Brussels, Belgium [henri@astro.oma.be] (3) | | | | |
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| 1996 HM ₁₀ | 1996 06 10.06528 | 14 04 22.36 | -08 33 49.3 | | 4 809 | 1996 HC ₁₂ | 1996 05 19.12083 | 14 17 41.40 | -13 40 50.0 | | 4 809 |
| 1996 HM ₁₀ | 1996 06 10.07847 | 14 04 22.20 | -08 33 47.5 | | 4 809 | 1996 HC ₁₂ | 1996 05 22.06597 | 14 15 48.03 | -13 30 13.6 | | 4 809 |
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| 1996 HU ₁₀ | 1996 05 19.09444 | 14 23 21.41 | -15 30 21.9 | 18.4 | 4 809 | 1996 HR ₁₂ | 1996 05 22.07917 | 14 15 11.60 | -13 06 42.6 | | 4 809 |
| 1996 HU ₁₀ | 1996 05 19.10764 | 14 23 21.02 | -15 30 20.7 | | 4 809 | 1996 HR ₁₂ | 1996 05 22.09236 | 14 15 11.10 | -13 06 40.0 | | 4 809 |
| 1996 HU ₁₀ | 1996 05 19.12083 | 14 23 20.64 | -15 30 18.5 | | 4 809 | 1996 HU ₁₂ | 1996 05 19.09444 | 14 12 53.70 | -13 54 30.9 | 18.3 | 4 809 |
| 1996 HU ₁₀ | 1996 05 22.06597 | 14 22 02.44 | -15 23 38.0 | | 4 809 | 1996 HU ₁₂ | 1996 05 19.10764 | 14 12 53.04 | -13 54 30.4 | | 4 809 |
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| 1996 HU ₁₀ | 1996 05 22.09236 | 14 22 01.71 | -15 23 35.1 | | 4 809 | 1996 HU ₁₂ | 1996 05 22.06597 | 14 10 34.07 | -13 50 51.4 | | 4 809 |
| 1996 HY ₁₀ | 1996 05 19.09444 | 14 12 58.51 | -13 55 31.6 | 18.5 | 4 809 | 1996 HU ₁₂ | 1996 05 22.07917 | 14 10 33.49 | -13 50 50.5 | | 4 809 |
| 1996 HY ₁₀ | 1996 05 19.10764 | 14 12 57.92 | -13 55 31.3 | | 4 809 | 1996 HU ₁₂ | 1996 05 22.09236 | 14 10 32.84 | -13 50 50.4 | | 4 809 |
| 1996 HY ₁₀ | 1996 05 19.12083 | 14 12 57.27 | -13 55 30.7 | | 4 809 | 1996 HX ₁₂ | 1996 06 08.04444 | 14 09 23.06 | -07 57 05.9 | 18.4 | 4 809 |
| 1996 HY ₁₀ | 1996 05 22.06597 | 14 10 55.37 | -13 54 01.4 | | 4 809 | 1996 HX ₁₂ | 1996 06 08.05764 | 14 09 22.86 | -07 57 03.9 | | 4 809 |
| 1996 HY ₁₀ | 1996 05 22.07917 | 14 10 54.79 | -13 54 03.0 | | 4 809 | 1996 HX ₁₂ | 1996 06 08.07083 | 14 09 22.63 | -07 57 01.8 | | 4 809 |
| 1996 HY ₁₀ | 1996 05 22.09236 | 14 10 54.25 | -13 54 01.4 | | 4 809 | 1996 HX ₁₂ | 1996 06 10.05208 | 14 09 02.13 | -07 52 40.7 | | 4 809 |
| 1996 HF ₁₁ | 1996 05 19.09444 | 14 14 57.22 | -10 59 15.2 | 18.4 | 4 809 | 1996 HX ₁₂ | 1996 06 10.06528 | 14 09 01.99 | -07 52 40.0 | | 4 809 |
| 1996 HF ₁₁ | 1996 05 19.10764 | 14 14 56.65 | -10 59 13.6 | | 4 809 | 1996 HX ₁₂ | 1996 06 10.07847 | 14 09 01.90 | -07 52 38.7 | | 4 809 |
| 1996 HF ₁₁ | 1996 05 19.12083 | 14 14 56.09 | -10 59 10.9 | | 4 809 | 1996 HY ₁₂ | 1996 05 19.09444 | 14 13 57.85 | -11 48 38.6 | 18.4 | 4 809 |
| 1996 HF ₁₁ | 1996 05 22.06597 | 14 13 04.92 | -10 53 44.2 | | 4 809 | 1996 HY ₁₂ | 1996 05 19.10764 | 14 13 57.15 | -11 48 35.8 | | 4 809 |
| 1996 HF ₁₁ | 1996 05 22.07917 | 14 13 04.35 | -10 53 43.8 | | 4 809 | 1996 HY ₁₂ | 1996 05 19.12083 | 14 13 56.48 | -11 48 31.8 | | 4 809 |
| 1996 HF ₁₁ | 1996 05 22.09236 | 14 13 03.81 | -10 53 42.2 | | 4 809 | 1996 HY ₁₂ | 1996 05 22.06597 | 14 11 41.15 | -11 34 48.9 | | 4 809 |
| 1996 HM ₁₁ | 1996 06 08.04444 | 14 05 13.03 | -09 16 52.8 | 18.4 | 4 809 | 1996 HY ₁₂ | 1996 05 22.07917 | 14 11 40.51 | -11 34 44.7 | | 4 809 |
| 1996 HM ₁₁ | 1996 06 08.05764 | 14 05 12.83 | -09 16 52.4 | | 4 809 | 1996 HY ₁₂ | 1996 05 22.09236 | 14 11 39.87 | -11 34 41.3 | | 4 809 |
| 1996 HM ₁₁ | 1996 06 08.07083 | 14 05 12.58 | -09 16 50.5 | | 4 809 | 1996 HZ ₁₂ | 1996 05 19.09444 | 14 14 40.36 | -13 47 56.2 | 18.4 | 4 809 |
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| 1996 HM ₁₁ | 1996 06 10.06528 | 14 04 46.58 | -09 14 19.4 | | 4 809 | 1996 HZ ₁₂ | 1996 05 19.12083 | 14 14 38.95 | -13 47 59.7 | | 4 809 |
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| 1996 HT ₁₁ | 1996 05 19.10764 | 14 17 10.15 | -13 46 25.2 | | 4 809 | 1996 HZ ₁₂ | 1996 05 22.09236 | 14 12 12.88 | -13 55 52.6 | | 4 809 |
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| 1996 HB ₁₂ | 1996 05 19.09444 | 14 13 16.41 | -14 24 10.7 | 18.0 | 4 809 | 1996 HD ₁₃ | 1996 06 10.06528 | 14 04 30.49 | -09 15 06.0 | | 4 809 |
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| 1996 KN ₆ | 1996 05 22.09236 | 14 18 27.02 | -11 03 32.4 | | 4 809 | 1996 KX ₆ | 1996 05 22.06597 | 14 20 54.86 | -14 10 26.5 | | 4 809 |
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| 1996 KS ₆ | 1996 05 22.06597 | 14 19 58.01 | -14 28 19.9 | | 4 809 | 1996 KE ₇ | 1996 05 19.10764 | 14 27 20.64 | -14 05 12.7 | | 4 809 |
| 1996 KS ₆ | 1996 05 22.07917 | 14 19 57.37 | -14 28 19.2 | | 4 809 | 1996 KE ₇ | 1996 05 19.12083 | 14 27 20.03 | -14 05 12.1 | | 4 809 |
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| 1996 KT ₆ | * 1996 05 19.09444 | 14 22 29.77 | -14 16 49.1 | 18.4 | 4 809 | 1996 KE ₇ | 1996 05 22.07917 | 14 24 52.25 | -14 03 12.6 | | 4 809 |
| 1996 KT ₆ | 1996 05 19.10764 | 14 22 29.17 | -14 16 44.0 | | 4 809 | 1996 KE ₇ | 1996 05 22.09236 | 14 24 51.49 | -14 03 11.5 | | 4 809 |
| 1996 KT ₆ | 1996 05 19.12083 | 14 22 28.62 | -14 16 39.8 | | 4 809 | 1996 KG ₇ | * 1996 05 19.09444 | 14 28 29.21 | -13 21 26.0 | 18.5 | 4 809 |
| 1996 KT ₆ | 1996 05 22.06597 | 14 20 33.42 | -13 58 19.9 | | 4 809 | 1996 KG ₇ | 1996 05 19.10764 | 14 28 28.71 | -13 21 23.8 | | 4 809 |
| 1996 KT ₆ | 1996 05 22.07917 | 14 20 32.82 | -13 58 13.8 | | 4 809 | 1996 KG ₇ | 1996 05 19.12083 | 14 28 28.19 | -13 21 20.4 | | 4 809 |
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| 1996 KU ₆ | 1996 05 19.12083 | 14 22 34.32 | -15 21 36.2 | | 4 809 | 1996 KH ₇ | * 1996 05 19.09444 | 14 28 30.43 | -11 26 15.8 | 18.4 | 4 809 |
| 1996 KU ₆ | 1996 05 22.06597 | 14 20 31.09 | -15 04 55.1 | | 4 809 | 1996 KH ₇ | 1996 05 19.10764 | 14 28 29.67 | -11 26 14.4 | | 4 809 |
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| 1996 KO ₇ | * 1996 05 19.09444 | 14 29 51.60 | -11 14 10.4 | 18.5 | 4 809 | 1996 LA ₄ | 1996 06 10.06528 | 13 52 26.57 | -05 53 00.4 | | 4 809 |
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| 1996 KO ₇ | 1996 05 22.07917 | 14 27 15.44 | -11 11 55.0 | | 4 809 | 1996 LB ₄ | 1996 06 08.07083 | 13 54 29.16 | -06 13 21.3 | | 4 809 |
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| 1996 KP ₇ | 1996 05 22.06597 | 14 27 52.73 | -11 05 20.7 | | 4 809 | 1996 LC ₄ | 1996 06 08.05764 | 13 54 34.90 | -08 14 21.7 | | 4 809 |
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| 1996 KP ₇ | 1996 05 22.09236 | 14 27 51.50 | -11 05 22.4 | | 4 809 | 1996 LC ₄ | 1996 06 10.05208 | 13 54 13.53 | -08 17 52.7 | | 4 809 |
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| 1996 LU ₃ | 1996 06 08.07083 | 13 50 59.46 | -06 42 54.9 | | 4 809 | 1996 LD ₄ | * 1996 06 08.04444 | 13 55 00.50 | -07 37 46.4 | 18.3 | 4 809 |
| 1996 LU ₃ | 1996 06 10.05208 | 13 50 58.08 | -06 54 55.0 | | 4 809 | 1996 LD ₄ | 1996 06 08.05764 | 13 55 00.27 | -07 37 48.6 | | 4 809 |
| 1996 LU ₃ | 1996 06 10.06528 | 13 50 58.08 | -06 54 59.5 | | 4 809 | 1996 LD ₄ | 1996 06 08.07083 | 13 55 00.08 | -07 37 49.9 | | 4 809 |
| 1996 LU ₃ | 1996 06 10.07847 | 13 50 58.03 | -06 55 05.2 | | 4 809 | 1996 LD ₄ | 1996 06 10.05208 | 13 54 36.46 | -07 42 24.3 | | 4 809 |
| 1996 LV ₃ | * 1996 06 08.04444 | 13 51 01.92 | -09 02 16.7 | 18.2 | 4 809 | 1996 LD ₄ | 1996 06 10.06528 | 13 54 36.20 | -07 42 25.7 | | 4 809 |
| 1996 LV ₃ | 1996 06 08.05764 | 13 51 01.75 | -09 02 17.5 | | 4 809 | 1996 LD ₄ | 1996 06 10.07847 | 13 54 36.00 | -07 42 28.8 | | 4 809 |
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| 1996 LV ₃ | 1996 06 10.06528 | 13 50 38.62 | -09 04 33.6 | | 4 809 | 1996 LE ₄ | 1996 06 08.07083 | 13 55 34.81 | -05 33 38.6 | | 4 809 |
| 1996 LV ₃ | 1996 06 10.07847 | 13 50 38.50 | -09 04 35.7 | | 4 809 | 1996 LE ₄ | 1996 06 10.05208 | 13 55 08.73 | -05 36 46.3 | | 4 809 |
| 1996 LW ₃ | * 1996 06 08.04444 | 13 51 30.44 | -07 53 58.8 | 18.4 | 4 809 | 1996 LE ₄ | 1996 06 10.06528 | 13 55 08.35 | -05 36 47.9 | | 4 809 |
| 1996 LW ₃ | 1996 06 08.05764 | 13 51 30.14 | -07 54 01.0 | | 4 809 | 1996 LE ₄ | 1996 06 10.07847 | 13 55 08.19 | -05 36 50.2 | | 4 809 |
| 1996 LW ₃ | 1996 06 08.07083 | 13 51 29.94 | -07 54 03.3 | | 4 809 | 1996 LF ₄ | * 1996 06 08.04444 | 13 55 51.79 | -08 43 12.1 | 19.0 | 4 809 |
| 1996 LW ₃ | 1996 06 10.05208 | 13 51 00.97 | -08 00 23.9 | | 4 809 | 1996 LF ₄ | 1996 06 08.05764 | 13 55 51.60 | -08 43 12.5 | | 4 809 |
| 1996 LW ₃ | 1996 06 10.06528 | 13 51 00.72 | -08 00 27.0 | | 4 809 | 1996 LF ₄ | 1996 06 08.07083 | 13 55 51.46 | -08 43 14.8 | | 4 809 |
| 1996 LW ₃ | 1996 06 10.07847 | 13 51 00.56 | -08 00 28.3 | | 4 809 | 1996 LF ₄ | 1996 06 10.05208 | 13 55 26.82 | -08 45 03.3 | | 4 809 |
| 1996 LX ₃ | * 1996 06 08.04444 | 13 52 16.89 | -07 34 17.4 | 18.7 | 4 809 | 1996 LF ₄ | 1996 06 10.06528 | 13 55 26.55 | -08 45 04.5 | | 4 809 |
| 1996 LX ₃ | 1996 06 08.05764 | 13 52 16.62 | -07 34 19.2 | | 4 809 | 1996 LF ₄ | 1996 06 10.07847 | 13 55 26.41 | -08 45 05.3 | | 4 809 |
| 1996 LX ₃ | 1996 06 08.07083 | 13 52 16.43 | -07 34 19.4 | | 4 809 | 1996 LG ₄ | * 1996 06 08.04444 | 13 56 03.74 | -08 55 09.3 | 18.5 | 4 809 |

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| 1996 LG ₄ | 1996 06 08.05764 | 13 56 03.52 | -08 55 11.1 | 4 809 | 1996 LP ₄ | 1996 06 10.07847 | 13 58 17.51 | -07 07 44.2 | 4 809 |
| 1996 LG ₄ | 1996 06 08.07083 | 13 56 03.26 | -08 55 11.3 | 4 809 | 1996 LQ ₄ | * 1996 06 08.04444 | 13 58 46.46 | -07 34 05.2 | 18.8 4 809 |
| 1996 LG ₄ | 1996 06 10.05208 | 13 55 32.32 | -08 55 26.9 | 4 809 | 1996 LQ ₄ | 1996 06 08.05764 | 13 58 46.10 | -07 34 05.9 | 4 809 |
| 1996 LG ₄ | 1996 06 10.06528 | 13 55 32.10 | -08 55 28.1 | 4 809 | 1996 LQ ₄ | 1996 06 08.07083 | 13 58 45.84 | -07 34 07.9 | 4 809 |
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| 1996 LH ₄ | 1996 06 08.05764 | 13 56 32.42 | -05 33 35.1 | 4 809 | 1996 LQ ₄ | 1996 06 10.07847 | 13 58 02.09 | -07 37 06.5 | 4 809 |
| 1996 LH ₄ | 1996 06 08.07083 | 13 56 32.26 | -05 33 35.5 | 4 809 | 1996 LR ₄ | * 1996 06 08.04444 | 13 58 51.54 | -09 21 38.6 | 18.4 4 809 |
| 1996 LH ₄ | 1996 06 10.05208 | 13 56 15.45 | -05 37 54.5 | 4 809 | 1996 LR ₄ | 1996 06 08.05764 | 13 58 51.35 | -09 21 40.4 | 4 809 |
| 1996 LH ₄ | 1996 06 10.06528 | 13 56 15.15 | -05 37 58.1 | 4 809 | 1996 LR ₄ | 1996 06 08.07083 | 13 58 51.10 | -09 21 40.8 | 4 809 |
| 1996 LH ₄ | 1996 06 10.07847 | 13 56 15.06 | -05 37 58.8 | 4 809 | 1996 LR ₄ | 1996 06 10.05208 | 13 58 26.54 | -09 25 17.3 | 4 809 |
| 1996 LJ ₄ | * 1996 06 08.04444 | 13 56 36.16 | -07 01 37.2 | 18.7 4 809 | 1996 LR ₄ | 1996 06 10.06528 | 13 58 26.38 | -09 25 18.6 | 4 809 |
| 1996 LJ ₄ | 1996 06 08.05764 | 13 56 36.09 | -07 01 37.7 | 4 809 | 1996 LR ₄ | 1996 06 10.07847 | 13 58 26.21 | -09 25 20.1 | 4 809 |
| 1996 LJ ₄ | 1996 06 08.07083 | 13 56 35.91 | -07 01 37.7 | 4 809 | 1996 LS ₄ | * 1996 06 08.04444 | 13 59 17.07 | -08 11 52.0 | 18.4 4 809 |
| 1996 LJ ₄ | 1996 06 10.05208 | 13 56 03.61 | -07 03 28.7 | 4 809 | 1996 LS ₄ | 1996 06 08.05764 | 13 59 16.85 | -08 11 51.7 | 4 809 |
| 1996 LJ ₄ | 1996 06 10.06528 | 13 56 03.36 | -07 03 30.2 | 4 809 | 1996 LS ₄ | 1996 06 08.07083 | 13 59 16.61 | -08 11 51.3 | 4 809 |
| 1996 LJ ₄ | 1996 06 10.07847 | 13 56 03.15 | -07 03 31.2 | 4 809 | 1996 LS ₄ | 1996 06 10.05208 | 13 58 45.96 | -08 11 46.9 | 4 809 |
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| 1996 LK ₄ | 1996 06 10.06528 | 13 56 17.20 | -05 22 41.3 | 4 809 | 1996 LT ₄ | 1996 06 08.07083 | 13 59 27.67 | -07 21 14.1 | 4 809 |
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| 1996 LL ₄ | 1996 06 08.07083 | 13 57 19.16 | -05 50 15.2 | 4 809 | 1996 LU ₄ | * 1996 06 08.04444 | 13 59 42.02 | -07 24 59.1 | 18.3 4 809 |
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| 1996 LL ₄ | 1996 06 10.06528 | 13 56 49.85 | -05 54 31.6 | 4 809 | 1996 LU ₄ | 1996 06 08.07083 | 13 59 41.75 | -07 24 50.9 | 4 809 |
| 1996 LL ₄ | 1996 06 10.07847 | 13 56 49.71 | -05 54 33.2 | 4 809 | 1996 LU ₄ | 1996 06 10.05208 | 13 59 28.49 | -07 15 21.7 | 4 809 |
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| 1996 LM ₄ | 1996 06 08.05764 | 13 57 51.85 | -09 08 29.3 | 4 809 | 1996 LU ₄ | 1996 06 10.07847 | 13 59 28.28 | -07 15 15.5 | 4 809 |
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| 1996 LM ₄ | 1996 06 10.06528 | 13 57 23.27 | -09 09 56.8 | 4 809 | 1996 LV ₄ | 1996 06 08.07083 | 14 00 27.87 | -08 14 10.5 | 4 809 |
| 1996 LM ₄ | 1996 06 10.07847 | 13 57 23.15 | -09 09 58.0 | 4 809 | 1996 LV ₄ | 1996 06 10.05208 | 14 00 03.37 | -08 07 21.9 | 4 809 |
| 1996 LN ₄ | * 1996 06 08.04444 | 13 57 53.07 | -08 31 39.3 | 18.9 4 809 | 1996 LV ₄ | 1996 06 10.06528 | 14 00 03.19 | -08 07 20.8 | 4 809 |
| 1996 LN ₄ | 1996 06 08.05764 | 13 57 52.72 | -08 31 37.5 | 4 809 | 1996 LV ₄ | 1996 06 10.07847 | 14 00 02.98 | -08 07 17.7 | 4 809 |
| 1996 LN ₄ | 1996 06 08.07083 | 13 57 52.50 | -08 31 37.4 | 4 809 | 1996 LW ₄ | * 1996 06 08.04444 | 14 00 29.75 | -08 03 28.8 | 18.7 4 809 |
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| 1996 LO ₄ | 1996 06 08.05764 | 13 58 29.10 | -05 47 41.4 | 4 809 | 1996 LW ₄ | 1996 06 10.07847 | 14 00 10.38 | -07 58 53.0 | 4 809 |
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| 1996 LO ₄ | 1996 06 10.06528 | 13 58 01.52 | -05 50 45.4 | 4 809 | 1996 LX ₄ | 1996 06 08.07083 | 14 01 28.45 | -08 06 25.6 | 4 809 |
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| 1996 LP ₄ | 1996 06 08.07083 | 13 58 41.29 | -07 04 24.9 | 4 809 | 1996 LY ₄ | * 1996 06 08.04444 | 14 01 44.08 | -06 02 14.6 | 18.6 4 809 |
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| 1996 LP ₄ | 1996 06 10.06528 | 13 58 17.65 | -07 07 43.2 | 4 809 | 1996 LY ₄ | 1996 06 08.07083 | 14 01 43.55 | -06 02 16.7 | 4 809 |

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| 1996 LY ₄ | 1996 06 10.05208 | 14 01 00.77 | -06 05 28.8 | 4 809 | 1996 LH ₅ | 1996 06 08.05764 | 14 04 17.44 | -06 09 47.1 | 4 809 |
| 1996 LY ₄ | 1996 06 10.06528 | 14 01 00.33 | -06 05 29.5 | 4 809 | 1996 LH ₅ | 1996 06 08.07083 | 14 04 17.26 | -06 09 49.8 | 4 809 |
| 1996 LY ₄ | 1996 06 10.07847 | 14 01 00.06 | -06 05 32.0 | 4 809 | 1996 LH ₅ | 1996 06 10.05208 | 14 03 55.94 | -06 16 28.9 | 4 809 |
| 1996 LZ ₄ | * 1996 06 08.04444 | 14 01 55.67 | -06 35 04.7 | 18.5 4 809 | 1996 LH ₅ | 1996 06 10.06528 | 14 03 55.81 | -06 16 33.6 | 4 809 |
| 1996 LZ ₄ | 1996 06 08.05764 | 14 01 55.44 | -06 35 06.1 | 4 809 | 1996 LH ₅ | 1996 06 10.07847 | 14 03 55.71 | -06 16 35.7 | 4 809 |
| 1996 LZ ₄ | 1996 06 08.07083 | 14 01 55.20 | -06 35 06.7 | 4 809 | 1996 LJ ₅ | * 1996 06 08.04444 | 14 04 24.41 | -07 52 55.4 | 18.4 4 809 |
| 1996 LZ ₄ | 1996 06 10.05208 | 14 01 26.66 | -06 39 51.4 | 4 809 | 1996 LJ ₅ | 1996 06 08.05764 | 14 04 24.21 | -07 52 54.9 | 4 809 |
| 1996 LZ ₄ | 1996 06 10.06528 | 14 01 26.46 | -06 39 53.1 | 4 809 | 1996 LJ ₅ | 1996 06 08.07083 | 14 04 24.04 | -07 52 54.5 | 4 809 |
| 1996 LZ ₄ | 1996 06 10.07847 | 14 01 26.32 | -06 39 55.1 | 4 809 | 1996 LJ ₅ | 1996 06 10.05208 | 14 04 04.81 | -07 52 28.9 | 4 809 |
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| 1996 LA ₅ | 1996 06 08.05764 | 14 02 18.48 | -08 29 10.1 | 4 809 | 1996 LJ ₅ | 1996 06 10.07847 | 14 04 04.61 | -07 52 30.3 | 4 809 |
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| 1996 LA ₅ | 1996 06 10.05208 | 14 01 52.61 | -08 29 16.4 | 4 809 | 1996 LK ₅ | 1996 06 08.05764 | 14 04 37.77 | -07 32 02.9 | 4 809 |
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| 1996 LB ₅ | 1996 06 10.06528 | 14 01 43.98 | -06 10 07.2 | 4 809 | 1996 LL ₅ | 1996 06 08.07083 | 14 04 39.66 | -06 03 30.1 | 4 809 |
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| 1996 LC ₅ | 1996 06 08.07083 | 14 02 35.94 | -08 52 29.5 | 4 809 | 1996 LM ₅ | * 1996 06 08.04444 | 14 04 48.96 | -07 53 46.8 | 18.4 4 809 |
| 1996 LC ₅ | 1996 06 10.05208 | 14 02 08.18 | -08 48 46.3 | 4 809 | 1996 LM ₅ | 1996 06 08.05764 | 14 04 48.77 | -07 53 47.9 | 4 809 |
| 1996 LC ₅ | 1996 06 10.06528 | 14 02 07.92 | -08 48 44.6 | 4 809 | 1996 LM ₅ | 1996 06 08.07083 | 14 04 48.61 | -07 53 49.3 | 4 809 |
| 1996 LC ₅ | 1996 06 10.07847 | 14 02 07.72 | -08 48 44.0 | 4 809 | 1996 LM ₅ | 1996 06 10.05208 | 14 04 30.90 | -07 56 27.6 | 4 809 |
| 1996 LD ₅ | * 1996 06 08.04444 | 14 02 36.49 | -08 08 38.2 | 18.4 4 809 | 1996 LM ₅ | 1996 06 10.06528 | 14 04 30.76 | -07 56 28.7 | 4 809 |
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| 1996 LD ₅ | 1996 06 10.05208 | 14 01 49.11 | -08 18 44.1 | 4 809 | 1996 LN ₅ | 1996 06 08.05764 | 14 05 42.06 | -07 13 39.2 | 4 809 |
| 1996 LD ₅ | 1996 06 10.06528 | 14 01 48.71 | -08 18 48.0 | 4 809 | 1996 LN ₅ | 1996 06 08.07083 | 14 05 41.89 | -07 13 37.7 | 4 809 |
| 1996 LD ₅ | 1996 06 10.07847 | 14 01 48.44 | -08 18 51.3 | 4 809 | 1996 LN ₅ | 1996 06 10.05208 | 14 05 27.73 | -07 11 08.1 | 4 809 |
| 1996 LE ₅ | * 1996 06 08.04444 | 14 03 19.55 | -08 19 41.1 | 18.4 4 809 | 1996 LN ₅ | 1996 06 10.06528 | 14 05 27.60 | -07 11 07.8 | 4 809 |
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| 1996 LE ₅ | 1996 06 10.06528 | 14 02 51.34 | -08 20 14.1 | 4 809 | 1996 LO ₅ | 1996 06 08.07083 | 14 06 18.16 | -05 44 56.7 | 4 809 |
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| 1996 LF ₅ | 1996 06 08.07083 | 14 03 26.06 | -05 26 17.7 | 4 809 | 1996 LP ₅ | * 1996 06 08.04444 | 14 06 26.04 | -10 01 00.8 | 19.2 4 809 |
| 1996 LF ₅ | 1996 06 10.05208 | 14 02 56.94 | -05 25 41.2 | 4 809 | 1996 LP ₅ | 1996 06 08.05764 | 14 06 25.75 | -10 01 00.8 | 4 809 |
| 1996 LF ₅ | 1996 06 10.06528 | 14 02 56.48 | -05 25 40.5 | 4 809 | 1996 LP ₅ | 1996 06 08.07083 | 14 06 25.53 | -10 01 03.3 | 4 809 |
| 1996 LF ₅ | 1996 06 10.07847 | 14 02 56.34 | -05 25 40.9 | 4 809 | 1996 LP ₅ | 1996 06 10.05208 | 14 05 50.58 | -10 03 47.5 | 4 809 |
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|----------------------|--------------------|-------------|-------------|------|-------|--------|------------------|-------------|-------------|------|-------|
| 1996 LQ ₅ | 1996 06 10.07847 | 14 06 32.01 | -05 46 54.5 | | 4 809 | (19) | 1996 05 22.06597 | 14 11 05.61 | -12 40 03.7 | | 4 809 |
| 1996 LR ₅ | * 1996 06 08.04444 | 14 08 26.42 | -05 48 32.8 | 18.3 | 4 809 | (19) | 1996 05 22.07917 | 14 11 04.96 | -12 40 00.8 | | 4 809 |
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| 1996 LR ₅ | 1996 06 10.06528 | 14 08 05.23 | -05 58 22.2 | | 4 809 | (80) | 1996 06 08.07083 | 14 00 08.42 | -10 00 59.7 | | 4 809 |
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| 1996 LS ₅ | * 1996 06 08.04444 | 14 08 39.58 | -05 46 38.9 | 18.5 | 4 809 | (80) | 1996 06 10.06528 | 13 59 35.67 | -09 53 02.4 | | 4 809 |
| 1996 LS ₅ | 1996 06 08.05764 | 14 08 39.33 | -05 46 42.8 | | 4 809 | (80) | 1996 06 10.07847 | 13 59 35.39 | -09 52 59.7 | | 4 809 |
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| 1996 LS ₅ | 1996 06 10.06528 | 14 08 11.30 | -05 53 29.6 | | 4 809 | (258) | 1996 06 08.07083 | 14 11 28.76 | -06 16 35.7 | | 4 809 |
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| 1996 LT ₅ | * 1996 06 08.04444 | 14 08 51.05 | -05 58 28.3 | 18.4 | 4 809 | (258) | 1996 06 10.06528 | 14 10 50.02 | -06 09 28.5 | | 4 809 |
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| 1996 LT ₅ | 1996 06 08.07083 | 14 08 50.56 | -05 58 29.7 | | 4 809 | (277) | 1996 05 19.09444 | 14 27 24.32 | -14 46 52.9 | 17.5 | 4 809 |
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| 1996 LU ₅ | 1996 06 10.06528 | 14 09 29.65 | -05 58 39.5 | | 4 809 | (1590) | 1996 05 19.12083 | 14 12 51.78 | -13 20 04.0 | | 4 809 |
| 1996 LU ₅ | 1996 06 10.07847 | 14 09 29.70 | -05 58 42.8 | | 4 809 | (1590) | 1996 05 22.06597 | 14 10 55.69 | -12 59 49.3 | | 4 809 |
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| 1996 LX ₅ | 1996 06 10.05208 | 14 10 36.11 | -06 12 21.3 | | 4 809 | (2418) | 1996 05 19.10764 | 14 28 03.48 | -15 03 25.4 | | 4 809 |
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| (3881) | 1996 05 22.06597 | 14 19 12.52 | -14 45 08.1 | 4 809 | (6242) | 1996 05 22.07917 | 14 21 14.25 | -10 57 40.5 | 4 809 |

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| (7000) | 1996 06 10.06528 | 14 03 02.37 | -09 03 11.4 | | 4 809 |
| (7000) | 1996 06 10.07847 | 14 03 02.11 | -09 03 12.3 | | 4 809 |
| (7054) | 1996 05 19.09444 | 14 15 49.14 | -10 43 30.2 | 18.4 | 4 809 |
| (7054) | 1996 05 19.10764 | 14 15 48.41 | -10 43 29.8 | | 4 809 |
| (7054) | 1996 05 19.12083 | 14 15 47.66 | -10 43 29.1 | | 4 809 |
| (7054) | 1996 05 22.06597 | 14 13 20.24 | -10 41 10.2 | | 4 809 |
| (7054) | 1996 05 22.07917 | 14 13 19.54 | -10 41 09.3 | | 4 809 |
| (7054) | 1996 05 22.09236 | 14 13 18.92 | -10 41 08.9 | | 4 809 |

816 Rand Observatory

G. R. Viscome, 100 Sentinel Road, Lake Placid, NY 12946, U.S.A.

[73023.561@compuserve.com]

0.37-m *f*/6 reflector + CCD

GSC

| | | | | | |
|----------------------|--------------------|-------------|-------------|--------|-------|
| 1986 RB ₅ | 1996 07 18.23654 | 20 46 56.86 | -17 46 39.5 | 15.9 R | 816 |
| 1986 RB ₅ | 1996 07 18.23958 | 20 46 56.72 | -17 46 41.0 | 15.8 R | 816 |
| 1986 RB ₅ | 1996 07 18.24832 | 20 46 56.32 | -17 46 45.3 | 15.8 R | 816 |
| 1986 RB ₅ | 1996 07 18.25209 | 20 46 56.15 | -17 46 47.1 | 15.9 R | 816 |
| 1989 AD ₃ | 1996 07 18.30069 | 21 15 57.22 | -16 03 34.7 | 18.0 R | 816 |
| 1989 AD ₃ | 1996 07 18.30373 | 21 15 57.09 | -16 03 35.4 | 18.1 R | 816 |
| 1989 AD ₃ | 1996 07 18.30688 | 21 15 56.95 | -16 03 35.9 | 18.0 R | 816 |
| 1989 AD ₃ | 1996 07 18.31008 | 21 15 56.83 | -16 03 36.3 | 18.1 R | 816 |
| 1996 OH | * 1996 07 18.23958 | 20 47 32.59 | -17 43 39.4 | 19.0 R | I 816 |
| 1996 OH | 1996 07 18.24832 | 20 47 32.28 | -17 43 41.4 | 19.0 R | 816 |
| 1996 OH | 1996 07 18.25209 | 20 47 32.05 | -17 43 42.1 | 19.3 R | 816 |
| 1996 OH | 1996 07 21.23492 | 20 45 33.14 | -17 55 38.4 | 19.0 R | 816 |
| 1996 OH | 1996 07 21.23909 | 20 45 32.95 | -17 55 39.8 | 18.9 R | 816 |
| 1996 OH | 1996 07 21.24294 | 20 45 32.83 | -17 55 40.0 | 18.7 R | 816 |
| 1996 OH | 1996 07 21.25029 | 20 45 32.49 | -17 55 41.9 | 18.8 R | 816 |
| 1996 OH | 1996 07 21.25498 | 20 45 32.31 | -17 55 43.0 | 18.6 R | 816 |
| 1996 OH | 1996 07 21.25855 | 20 45 32.15 | -17 55 43.9 | 18.8 R | 816 |
| 1996 OJ | * 1996 07 18.30069 | 21 16 29.06 | -15 58 15.2 | 18.1 R | 816 |
| 1996 OJ | 1996 07 18.30373 | 21 16 28.97 | -15 58 16.0 | 18.2 R | 816 |
| 1996 OJ | 1996 07 18.30688 | 21 16 28.82 | -15 58 16.7 | 18.3 R | 816 |
| 1996 OJ | 1996 07 21.26450 | 21 14 34.37 | -16 09 50.7 | 17.9 R | 816 |
| 1996 OJ | 1996 07 21.27069 | 21 14 34.10 | -16 09 52.3 | 17.9 R | 816 |

| | | | | | |
|----------|------------------|-------------|-------------|--------|-----|
| 1996 OJ | 1996 07 21.28443 | 21 14 33.54 | -16 09 55.4 | 17.9 R | 816 |
| 1996 OJ | 1996 07 21.28775 | 21 14 33.39 | -16 09 55.8 | 18.0 R | 816 |
| 3176 T-3 | 1996 06 15.15308 | 15 33 15.42 | -19 20 27.7 | 18.4 R | 816 |
| 3176 T-3 | 1996 06 15.16153 | 15 33 15.14 | -19 20 26.7 | 18.4 R | 816 |
| (4179) | 1996 07 21.23492 | 20 45 41.81 | -17 53 28.9 | 17.0 R | 816 |
| (4179) | 1996 07 21.23909 | 20 45 41.50 | -17 53 30.2 | 17.0 R | 816 |
| (4179) | 1996 07 21.24294 | 20 45 41.23 | -17 53 31.2 | 17.0 R | 816 |
| (4179) | 1996 07 21.25029 | 20 45 40.68 | -17 53 33.3 | 17.0 R | 816 |
| (4179) | 1996 07 21.25498 | 20 45 40.34 | -17 53 34.7 | 16.8 R | 816 |
| (4179) | 1996 07 21.25855 | 20 45 40.10 | -17 53 35.9 | 16.9 R | 816 |

823 Fitchburg

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

[lla@tiac.net]

0.28-m Schmidt-Cassegrain + CCD

GSC

| | | | | | |
|--------|------------------|-------------|-------------|--------|-----|
| (835) | 1996 07 20.30142 | 22 25 24.29 | -08 35 19.0 | 16.8 R | 823 |
| (835) | 1996 07 20.32684 | 22 25 23.72 | -08 35 20.3 | 16.7 R | 823 |
| (835) | 1996 07 22.19588 | 22 24 39.54 | -08 36 55.7 | 16.5 R | 823 |
| (835) | 1996 07 22.23195 | 22 24 38.54 | -08 36 57.0 | 16.6 R | 823 |
| (1505) | 1996 07 11.27777 | 20 51 44.22 | +02 31 14.0 | | 823 |
| (1505) | 1996 07 17.27869 | 20 46 55.59 | +02 49 31.3 | 15.2 R | 823 |
| (1505) | 1996 07 18.19216 | 20 46 09.28 | +02 51 35.1 | 15.4 R | 823 |
| (1505) | 1996 07 18.21969 | 20 46 07.82 | +02 51 38.6 | 15.5 R | 823 |
| (4670) | 1996 07 20.28023 | 21 27 04.92 | -15 43 46.8 | 18.2 R | 823 |
| (4670) | 1996 07 20.31074 | 21 27 03.20 | -15 43 51.1 | 18.0 R | 823 |
| (4670) | 1996 07 23.22167 | 21 24 22.89 | -15 50 14.1 | 18.1 I | 823 |
| (4670) | 1996 07 23.28781 | 21 24 19.03 | -15 50 23.1 | 17.7 I | 823 |
| (5251) | 1996 07 12.08281 | 16 19 14.21 | -08 55 43.8 | | 823 |
| (5251) | 1996 07 12.12650 | 16 19 13.44 | -08 55 11.1 | | 823 |

894 Otomo

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

Japan

0.25-m *f*/3.4 reflector

PPM

| | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-----|
| 1992 SW ₁₇ | 1996 07 18.63194 | 20 36 00.71 | -09 13 49.9 | 16.5 | 894 |
| 1992 SW ₁₇ | 1996 07 18.64444 | 20 36 00.11 | -09 13 47.0 | | 894 |
| 1992 SW ₁₇ | 1996 07 21.66285 | 20 33 09.25 | -09 04 36.9 | 16.0 | 894 |
| 1992 SW ₁₇ | 1996 07 21.67604 | 20 33 08.49 | -09 04 34.1 | | 894 |
| 1996 OA ₁ | * 1996 07 18.63194 | 20 37 09.06 | -08 51 27.2 | 16.0 | 894 |
| 1996 OA ₁ | 1996 07 18.64444 | 20 37 08.56 | -08 51 30.9 | | 894 |
| 1996 OA ₁ | 1996 07 21.66285 | 20 35 15.70 | -09 13 45.9 | 15.5 | 894 |
| 1996 OA ₁ | 1996 07 21.67604 | 20 35 15.13 | -09 13 52.3 | | 894 |
| (5805) | 1996 07 18.63194 | 20 37 10.51 | -09 26 27.2 | 17.0 | 894 |
| (5805) | 1996 07 21.66285 | 20 34 19.00 | -09 24 50.0 | 16.5 | 894 |
| (5805) | 1996 07 21.67604 | 20 34 18.23 | -09 24 50.1 | | 894 |

900 Moriyama

Y. Ikari, Katsube 626, Moriyama, Shiga-Ken, 524 Japan [ikari@mx.biwa.or.jp]

0.25-m *f*/6.3 reflector + CCD

GSC

| | | | | | |
|--------|------------------|-------------|-------------|--------|-----|
| (69) | 1996 07 13.65537 | 17 20 22.91 | -11 35 13.8 | | 900 |
| (69) | 1996 07 13.66353 | 17 20 22.64 | -11 35 14.5 | | 900 |
| (2484) | 1996 07 27.61420 | 22 46 37.10 | -05 24 42.6 | 15.9 V | 900 |
| (2484) | 1996 07 27.62586 | 22 46 37.08 | -05 24 42.2 | 15.9 V | 900 |
| (5279) | 1996 07 20.62147 | 18 38 35.56 | -27 49 45.5 | 14.1 V | 900 |
| (5279) | 1996 07 20.63375 | 18 38 35.09 | -27 49 56.3 | 14.1 V | 900 |

905 Nachi-Katsuura Observatory

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

Observer Y. Shimizu

Measurer T. Urata

0.40-m *f*/3.3 Baker-Schmidt

GSC

| | | | | | |
|----------------------|--------------------|-------------|-------------|------|-----|
| 1992 ST ₁ | 1996 07 17.55133 | 20 12 59.91 | -24 16 05.3 | 15.5 | 905 |
| 1992 ST ₁ | 1996 07 17.56713 | 20 12 58.89 | -24 16 03.9 | | 905 |
| 1996 NX | * 1996 07 12.51354 | 18 51 11.48 | -16 59 59.9 | 17 | 905 |
| 1996 NX | 1996 07 12.51910 | 18 51 11.17 | -16 59 59.2 | | 905 |
| 1996 NX | 1996 07 15.59485 | 18 48 10.12 | -16 46 58.7 | 17 | 905 |
| 1996 NX | 1996 07 15.60318 | 18 48 09.67 | -16 46 58.0 | | 905 |
| 1996 NX | 1996 07 17.52402 | 18 46 20.72 | -16 39 03.9 | 17 | 905 |
| 1996 NX | 1996 07 17.53223 | 18 46 20.07 | -16 39 00.4 | | 905 |
| 1996 NX | 1996 07 17.53987 | 18 46 19.64 | -16 38 59.3 | | 905 |
| 1996 NX | 1996 07 24.55509 | 18 40 14.57 | -16 12 05.2 | 17 | 905 |
| 1996 NX | 1996 07 24.56944 | 18 40 14.02 | -16 12 03.1 | | 905 |
| 1996 OS ₁ | 1996 07 15.59485 | 18 47 22.01 | -17 34 52.9 | 17.5 | 905 |
| 1996 OS ₁ | 1996 07 15.60318 | 18 47 21.43 | -17 34 48.4 | | 905 |
| 1996 OS ₁ | * 1996 07 17.52402 | 18 45 41.22 | -17 16 57.0 | 17 | 905 |
| 1996 OS ₁ | 1996 07 17.53987 | 18 45 40.36 | -17 16 49.2 | | 905 |

964 Southend Bradfield

G. C. R. Sallit, Jacinth, Stanford Road, Southend Bradfield, Reading, Berkshire

RG7 6HL, England [100573.2667@compuserve.com]

0.30-m Schmidt-Cassegrain + CCD

GSC

| | | | | | |
|-------|------------------|-------------|-------------|--------|-----|
| (253) | 1996 06 10.92111 | 14 33 36.74 | -06 40 58.8 | 14.6 V | 964 |
| (253) | 1996 06 10.94891 | 14 33 35.96 | -06 40 56.2 | 14.7 V | 964 |
| (253) | 1996 06 12.94400 | 14 32 46.04 | -06 38 23.5 | 14.9 V | 964 |
| (253) | 1996 06 12.96734 | 14 32 45.46 | -06 38 21.9 | 14.9 V | 964 |
| (253) | 1996 06 13.00756 | 14 32 44.49 | -06 38 19.5 | 14.9 V | 964 |
| (253) | 1996 06 13.92985 | 14 32 23.58 | -06 37 23.2 | 14.9 V | 964 |
| (253) | 1996 06 13.97397 | 14 32 22.53 | -06 37 20.7 | 14.8 V | 964 |

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

| | | | | | |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1996 LH ₁ | 1996 06 17.97759 | 17 31 07.02 | -10 08 06.0 | 17.0 V | 966 |
| 1996 LH ₁ | 1996 06 18.00777 | 17 31 05.25 | -10 08 21.3 | | 966 |
| 1996 LH ₁ | 1996 06 21.99523 | 17 27 17.37 | -10 43 26.7 | 17.4 V | 966 |
| 1996 LH ₁ | 1996 06 22.00575 | 17 27 16.74 | -10 43 32.4 | | 966 |
| 1996 LH ₁ | 1996 06 22.02735 | 17 27 15.49 | -10 43 45.3 | | 966 |
| 1996 LH ₁ | 1996 06 24.97428 | 17 24 31.05 | -11 11 42.9 | 17.3 V | 966 |

| | | | | | |
|----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 LH ₁ | 1996 06 24.98444 | 17 24 30.51 | -11 11 48.5 | | 966 |
| 1996 MT | * 1996 06 22.01059 | 17 52 09.06 | -11 35 30.7 | 17.5 V | 966 |
| 1996 MT | 1996 06 22.02226 | 17 52 08.50 | -11 35 30.4 | | 966 |
| 1996 MT | 1996 06 24.97949 | 17 49 40.47 | -11 36 15.9 | 16.9 V | 966 |
| 1996 MT | 1996 06 24.99847 | 17 49 39.44 | -11 36 16.3 | | 966 |

ORBITAL ELEMENTS

Orbital elements have been computed by the following contributors:

C. M. Bardwell, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138, U.S.A. [cbardwell@cfa.harvard.edu]

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

G. Forti, Osservatorio Astrofisico di Arcetri, Largo E. Fermi 5, I-50125 Firenze, Italy [forti@arcetri.astro.it]

E. Goffin, Agfa-Gevaert N.V., Mortsel, Belgium [goffin@twi.agfa.be]

K. Ichikawa, 45 Shiromae Kamiwada-cho, Okazaki-shi, Aichi, 444-02 Japan [kfe04154@niftyserve.or.jp]

T. Kobayashi, 1717-2 Shimo-Koizumi, Oizumi-machi, Ora-gun, Gunma-ken, 370-05 Japan [kobataka@furusato.infopd.sanyo.co.jp]

B. G. Marsden, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138, U.S.A. [bmarsden@cfa.harvard.edu] (M)

S. Nakano, 3-19, 1 chome, Takenokuchi, Sumoto, Hyogo-ken 656, Japan [snakano@cfa.harvard.edu] (N)

T. B. Spahr, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138, U.S.A. [tbs@astro.ufl.edu] (X)

G. V. Williams, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138, U.S.A. [gwilliams@cfa.harvard.edu] (W)

C/1995 O1 (Hale-Bopp)

Epoch 1997 Mar. 13.0 TT = JDT 2450520.5

T 1997 Apr. 1.13450 TT

| | | Nakano | | |
|----------|-----------------|--------------------|-------------|-------------|
| <i>q</i> | (2000.0) | P | Q | |
| <i>z</i> | +0.0053574 | ω 130.59012 | -0.13311174 | -0.17031122 |
| | ± 0.0000123 | Ω 282.47067 | +0.28231810 | +0.93779655 |
| <i>e</i> | 0.9951027 | <i>i</i> 89.42909 | +0.95004092 | -0.30254209 |

From 1119 observations 1993 Apr. 27–1996 July 23, mean residual 0^u.78. With appropriate relative weighting of 1993 and 1995–1996 observations.**C/1996 E1 (NEAT)**

Epoch 1996 July 16.0 TT = JDT 2450280.5

T 1996 July 27.35978 TT

| | | Marsden | | |
|----------|-----------------|--------------------|-------------|-------------|
| <i>q</i> | (2000.0) | P | Q | |
| <i>z</i> | -0.0004464 | ω 81.12623 | +0.07224353 | +0.88640731 |
| | ± 0.0000157 | Ω 149.84315 | +0.03809927 | -0.46054989 |
| <i>e</i> | 1.0006065 | <i>i</i> 114.47310 | +0.99665908 | -0.04664642 |

From 168 observations 1996 Mar. 15–July 26, mean residual 0^u.66.

C/1996 N1 (Brewington)

| | | | | |
|----------|----------------------|-----------|-------------|-------------|
| <i>T</i> | 1996 Aug. 3.42997 TT | | Nakano | |
| <i>q</i> | 0.9257232 | (2000.0) | P | Q |
| | ω | 43.97835 | -0.06494293 | +0.76056680 |
| | Ω | 234.91014 | -0.98307551 | +0.06236835 |
| <i>e</i> | 1.0 | <i>i</i> | 52.13812 | +0.17130368 |
| | | | | +0.64625717 |

From 116 observations 1996 July 4–27.

57P/du Toit-Neujmin-Delporte

Epoch 1996 Mar. 18.0 TT = JDT 2450160.5

| | | | | |
|----------|----------------------|----------|-----------|-------------|
| <i>T</i> | 1996 Mar. 5.69730 TT | | Nakano | |
| <i>q</i> | 1.7196983 | (2000.0) | P | Q |
| <i>n</i> | 0.15416312 | ω | 115.20844 | +0.56188037 |
| <i>a</i> | 3.4446813 | Ω | 188.98958 | -0.77570428 |
| <i>e</i> | 0.5007671 | <i>i</i> | 2.84541 | +0.52360937 |
| <i>P</i> | 6.39 | | | -0.28735573 |
| | | | | +0.20396800 |

From 35 observations 1970–1996, mean residual 0".85. Nongravitational parameters

$$A_1 = +0.60 \pm 0.04, A_2 = +0.0106 \pm 0.0004.$$

118P/Shoemaker-Levy 4

Epoch 1997 Feb. 1.0 TT = JDT 2450480.5

| | | | | |
|----------|-----------------------|----------|-----------|-------------|
| <i>T</i> | 1997 Jan. 12.11517 TT | | Nakano | |
| <i>q</i> | 2.0211116 | (2000.0) | P | Q |
| <i>n</i> | 0.15131427 | ω | 301.98076 | -0.07543884 |
| <i>a</i> | 3.4877830 | Ω | 152.09673 | +0.95736970 |
| <i>e</i> | 0.4205168 | <i>i</i> | 8.47354 | +0.27884088 |
| <i>P</i> | 6.51 | | | +0.04535121 |

From 38 observations 1991–1996, mean residual 0".75.

125P/Spacewatch

Epoch 1996 July 16.0 TT = JDT 2450280.5

| | | | | |
|----------|-----------------------|----------|-----------|-------------|
| <i>T</i> | 1996 July 14.58834 TT | | Marsden | |
| <i>q</i> | 1.5399135 | (2000.0) | P | Q |
| <i>n</i> | 0.17740484 | ω | 87.27043 | -0.48354611 |
| <i>a</i> | 3.1368402 | Ω | 153.36886 | -0.85604607 |
| <i>e</i> | 0.5090877 | <i>i</i> | 9.96902 | -0.18266991 |
| <i>P</i> | 5.56 | | | -0.18721314 |

From 135 observations 1991–1996, mean residual 0".60.

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 |
|-----------------------|----------|--------|----------|----------|----------|----------|----------|----------|-----|----|---|---|
| 1991 GZ ₄ | 15.0 | 910504 | 327.11 | 215.83 | 37.76 | 1.67 | 0.1560 | 2.3944 | 56 | 36 | W | |
| 1992 FO ₁ | 16.0 | 920319 | 312.63 | 64.27 | 190.31 | 1.86 | 0.1870 | 2.3471 | 10 | 0 | W | |
| 1994 CL ₁₈ | 14.4 | 940217 | 107.90 | 283.69 | 119.26 | 7.05 | 0.0793 | 2.3529 | 31 | 12 | D | N |
| 1994 CP ₁₈ | 14.4 | 940217 | 216.78 | 260.18 | 47.29 | 4.44 | 0.0691 | 2.4742 | 31 | 9 | D | N |
| 1994 HW | 15.5 | 940418 | 279.51 | 89.43 | 202.60 | 11.09 | 0.0597 | 3.1184 | 17 | 12 | D | N |
| 1994 JY | 11.3 | 940508 | 345.82 | 134.49 | 94.55 | 3.89 | 0.1135 | 3.0134 | 7 | 27 | D | N |
| 1994 PB ₃ | 14.7 | 940905 | 243.57 | 302.49 | 158.16 | 6.15 | 0.0992 | 2.4320 | 25 | 12 | D | N |
| 1994 PO ₉ | 12.7 | 940905 | 169.58 | 54.78 | 110.52 | 0.56 | 0.0881 | 3.1895 | 25 | 12 | D | N |
| 1994 PK ₁₁ | 14.8 | 940816 | 330.98 | 68.90 | 299.85 | 4.28 | 0.1099 | 2.3546 | 3 | 12 | D | N |
| 1994 PF ₁₄ | 14.2 | 940905 | 46.88 | 114.22 | 173.93 | 4.98 | 0.0578 | 2.7050 | 25 | 12 | D | N |
| 1994 PZ ₁₆ | 15.8 | 940816 | 24.68 | 129.63 | 166.90 | 6.09 | 0.1989 | 2.2751 | 25 | 18 | D | N |
| 1994 PN ₂₂ | 13.7 | 940905 | 325.71 | 23.36 | 359.66 | 1.57 | 0.0704 | 2.9169 | 25 | 12 | D | N |
| 1994 PZ ₂₂ | 15.2 | 940905 | 303.46 | 207.19 | 198.81 | 0.43 | 0.0552 | 2.3748 | 25 | 12 | D | N |
| 1994 PJ ₂₄ | 13.7 | 940905 | 169.29 | 20.99 | 142.71 | 5.75 | 0.0392 | 2.7822 | 25 | 12 | D | N |
| 1994 PP ₂₉ | 17.1 | 940905 | 15.83 | 112.59 | 199.08 | 3.75 | 0.2906 | 2.1890 | 25 | 12 | D | N |

| | | | | | | | | | | | | |
|-----------------------|------|--------|--------|--------|--------|-------|--------|--------|----|----|---|---|
| 1994 TO ₁₁ | 16.6 | 941015 | 208.48 | 153.87 | 33.06 | 6.93 | 0.1408 | 2.2429 | 53 | 12 | D | N |
| 1994 TE ₁₂ | 16.1 | 941015 | 23.75 | 329.43 | 23.64 | 3.82 | 0.1476 | 2.3664 | 23 | 10 | D | N |
| 1995 BL | 14.5 | 950123 | 1.83 | 177.17 | 309.73 | 18.10 | 0.0654 | 1.9489 | 25 | 18 | X | |
| 1996 GE ₁₉ | 10.0 | 960427 | 307.59 | 61.97 | 213.23 | 30.91 | 0.0661 | 5.2611 | 56 | 15 | W | |
| 1996 GH ₂₀ | 13.5 | 960427 | 216.77 | 280.69 | 84.00 | 2.45 | 0.0816 | 2.6788 | 56 | 12 | W | |
| 1996 HC ₁ | 13.5 | 960427 | 63.36 | 85.14 | 56.84 | 13.81 | 0.1121 | 2.5936 | 49 | 33 | W | |
| 1996 HE ₁ | 13.0 | 960427 | 27.03 | 124.87 | 58.12 | 18.60 | 0.1268 | 3.2063 | 49 | 21 | W | |
| 1996 HW ₈ | 13.5 | 960427 | 266.78 | 114.77 | 209.49 | 7.94 | 0.1165 | 2.6321 | 54 | 12 | W | |
| 1996 HQ ₉ | 13.0 | 960427 | 211.19 | 159.60 | 218.77 | 11.95 | 0.2352 | 2.4748 | 54 | 12 | W | |
| 1996 HV ₉ | 11.0 | 960427 | 288.86 | 84.14 | 215.60 | 17.11 | 0.0811 | 5.3075 | 35 | 15 | W | |
| 1996 HH ₁₀ | 15.0 | 960427 | 290.35 | 101.27 | 198.90 | 3.28 | 0.1115 | 2.1669 | 54 | 12 | W | |
| 1996 HM ₁₀ | 13.5 | 960427 | 81.19 | 257.34 | 214.76 | 12.24 | 0.2216 | 2.6584 | 54 | 12 | W | |
| 1996 HQ ₁₀ | 14.5 | 960427 | 301.57 | 88.42 | 212.21 | 11.48 | 0.2135 | 2.7568 | 54 | 18 | W | |
| 1996 HR ₁₀ | 12.5 | 960427 | 206.23 | 343.34 | 38.70 | 0.45 | 0.2169 | 3.1478 | 35 | 12 | X | |
| 1996 HU ₁₀ | 10.5 | 960427 | 312.79 | 304.29 | 326.36 | 1.00 | 0.0332 | 5.2494 | 35 | 12 | E | X |
| 1996 HY ₁₀ | 13.5 | 960427 | 10.09 | 167.00 | 41.26 | 10.04 | 0.0312 | 3.0695 | 35 | 12 | X | |
| 1996 HT ₁₁ | 14.5 | 960427 | 54.42 | 107.68 | 42.85 | 1.34 | 0.1421 | 3.0648 | 35 | 12 | X | |
| 1996 HB ₁₂ | 13.0 | 960427 | 304.20 | 247.94 | 41.43 | 13.57 | 0.1379 | 2.9830 | 35 | 12 | X | |
| 1996 HC ₁₂ | 13.5 | 960427 | 45.08 | 313.08 | 221.20 | 1.08 | 0.0047 | 2.8954 | 35 | 12 | W | |
| 1996 HR ₁₂ | 15.5 | 960427 | 7.56 | 129.84 | 78.79 | 0.43 | 0.1541 | 2.3103 | 35 | 12 | X | |
| 1996 HU ₁₂ | 14.5 | 960427 | 89.22 | 83.73 | 42.27 | 5.89 | 0.0352 | 2.3543 | 35 | 12 | X | |
| 1996 HY ₁₂ | 15.5 | 960427 | 295.24 | 100.36 | 197.21 | 1.62 | 0.1254 | 2.1157 | 35 | 12 | W | |
| 1996 HZ ₁₂ | 13.5 | 960427 | 336.83 | 204.13 | 43.22 | 20.56 | 0.0992 | 3.1964 | 35 | 12 | X | |
| 1996 HE ₁₃ | 14.0 | 960427 | 324.59 | 35.43 | 231.08 | 3.97 | 0.1392 | 3.0803 | 35 | 12 | X | |
| 1996 HO ₁₃ | 14.5 | 960427 | 312.56 | 65.47 | 212.38 | 3.53 | 0.1149 | 2.5583 | 35 | 12 | X | |
| 1996 HV ₁₃ | 13.5 | 960427 | 63.56 | 62.79 | 71.02 | 2.25 | 0.2008 | 3.0836 | 35 | 12 | X | |
| 1996 HA ₁₄ | 13.0 | 960427 | 173.17 | 204.71 | 201.13 | 1.80 | 0.1268 | 2.9135 | 35 | 12 | X | |
| 1996 HM ₁₄ | 15.0 | 960427 | 290.21 | 280.82 | 36.93 | 2.92 | 0.2433 | 2.3064 | 35 | 12 | W | |
| 1996 HO ₁₄ | 14.5 | 960427 | 315.67 | 226.80 | 47.21 | 3.57 | 0.1083 | 2.6222 | 35 | 12 | X | |
| 1996 HX ₁₄ | 14.5 | 960427 | 19.98 | 151.44 | 48.29 | 4.56 | 0.0165 | 2.6954 | 35 | 15 | X | |
| 1996 HA ₁₅ | 14.0 | 960427 | 223.14 | 318.24 | 49.26 | 5.36 | 0.1565 | 2.2497 | 35 | 12 | X | |
| 1996 HB ₁₅ | 14.0 | 960427 | 311.05 | 231.46 | 45.87 | 6.68 | 0.0865 | 2.7632 | 35 | 12 | X | |
| 1996 HG ₁₅ | 13.5 | 960427 | 217.58 | 322.65 | 46.23 | 2.66 | 0.0827 | 2.8579 | 35 | 15 | X | |
| 1996 HP ₁₅ | 15.5 | 960427 | 354.08 | 14.82 | 213.46 | 0.52 | 0.1449 | 2.4030 | 35 | 21 | X | |
| 1996 HT ₁₅ | 13.0 | 960427 | 164.99 | 252.91 | 161.18 | 2.19 | 0.0743 | 2.9423 | 34 | 12 | W | |
| 1996 HC ₁₆ | 14.5 | 960427 | 91.48 | 73.34 | 44.10 | 6.11 | 0.1037 | 2.3341 | 34 | 12 | X | |
| 1996 HE ₁₆ | 14.5 | 960427 | 357.25 | 178.78 | 46.53 | 4.35 | 0.1851 | 3.0677 | 34 | 12 | X | |
| 1996 HM ₁₆ | 15.0 | 960427 | 337.14 | 32.98 | 221.15 | 6.53 | 0.1824 | 2.5869 | 34 | 15 | W | |
| 1996 HR ₁₆ | 14.5 | 960427 | 293.44 | 265.03 | 44.37 | 14.21 | 0.1941 | 2.5613 | 34 | 18 | X | |
| 1996 HT ₁₆ | 13.5 | 960427 | 183.27 | 217.08 | 181.87 | 1.71 | 0.0541 | 2.9276 | 34 | 12 | W | |
| 1996 HU ₁₆ | 15.0 | 960427 | 23.65 | 19.57 | 173.03 | 0.96 | 0.0914 | 2.4132 | 34 | 12 | W | |
| 1996 HX ₁₆ | 13.5 | 960427 | 169.53 | 346.87 | 63.86 | 2.75 | 0.0963 | 2.9271 | 34 | 12 | X | |
| 1996 HZ ₁₆ | 14.0 | 960427 | 280.21 | 290.60 | 33.71 | 1.13 | 0.1958 | 2.7523 | 34 | 12 | X | |
| 1996 HJ ₁₇ | 14.5 | 960427 | 283.49 | 86.27 | 217.32 | 5.16 | 0.0468 | 2.4864 | 34 | 15 | X | |
| 1996 HZ ₁₇ | 15.0 | 960427 | 58.08 | 102.02 | 54.72 | 7.07 | 0.0590 | 2.2245 | 34 | 12 | W | |
| 1996 HN ₂₂ | 14.0 | 960427 | 294.04 | 262.49 | 51.77 | 8.32 | 0.2390 | 2.7867 | 34 | 12 | W | |
| 1996 JG ₁ | 14.0 | 960517 | 294.26 | 87.28 | 218.56 | 11.85 | 0.1617 | 2.6513 | 28 | 12 | W | |
| 1996 JR ₃ | 14.0 | 960517 | 208.46 | 297.00 | 77.98 | 5.61 | 0.0083 | 2.6736 | 32 | 12 | W | |
| 1996 JT ₃ | 14.5 | 960517 | 256.62 | 170.27 | 178.81 | 4.98 | 0.2188 | 2.4339 | 32 | 12 | W | |
| 1996 JN ₆ | 13.0 | 960517 | 216.32 | 251.78 | 117.41 | 2.96 | 0.0521 | 2.9288 | 30 | 12 | W | |
| 1996 JM ₁₁ | 17.5 | 960517 | 351.17 | 120.68 | 127.95 | 5.94 | 0.2058 | 2.4277 | 24 | 11 | W | |
| 1996 KA | 14.5 | 960606 | 77.26 | 261.69 | 243.68 | 11.73 | 0.2407 | 3.1902 | 59 | 30 | W | |
| 1996 KW | 13.0 | 960606 | 274.79 | 278.32 | 54.03 | 13.52 | 0.2565 | 2.6739 | 66 | 20 | W | |
| 1996 KR ₁ | 16.0 | 960606 | 233.54 | 171.39 | 218.18 | 19.55 | 0.1048 | 1.9348 | 48 | 17 | W | |
| 1996 KA ₂ | 15.5 | 960517 | 239.26 | 169.90 | 189.36 | 4.73 | 0.1591 | 2.2265 | 25 | 15 | W | |
| 1996 KW ₂ | 11.5 | 960517 | 280.78 | 214.58 | 109.15 | 30.59 | 0.0835 | 5.1701 | 27 | 9 | W | |
| 1996 KA ₃ | 13.0 | 960517 | 234.66 | 156.15 | 134.30 | 11.08 | 0.1619 | 2.9812 | 32 | 14 | W | |
| 1996 KC ₃ | 13.5 | 960517 | 77.52 | 16.34 | 33.66 | 3.99 | 0.2453 | 2.6466 | 32 | 14 | W | |

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5
(1047) Geisha Obs. 57 *M* 125.83666 ω 299.96217
H 11.86 *G* 0.15 *U* 1 Opp. 17 *n* 0.29383190 Ω 78.42540
rms res. 0''92 (M-v) 1924-1991 *e* 0.1926856 *i* 5.66703

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5
(1192) Prisma Obs. 51 *M* 347.07789 ω 130.54990
H 12.92 *G* 0.15 *U* 1 Opp. 7 *n* 0.27080580 Ω 1.60787
rms res. 1''00 (M-v) 1931-1991 *e* 0.2597995 *i* 23.84928

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5
(1250) Galanthus Obs. 50 *M* 163.83389 ω 217.39411
H 12.26 *G* 0.15 *U* 1 Opp. 10 *n* 0.24150433 Ω 292.12147
rms res. 0''81 (M-v) 1933-1996 *e* 0.2690016 *i* 15.15667

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5
(1271) Isergina Obs. 74 *M* 222.99622 ω 265.16286
H 10.6 *G* 0.15 *U* 1 Opp. 17 *n* 0.17753333 Ω 127.81154
rms res. 0''72 (M-v) 1906-1996 *e* 0.1325126 *i* 6.65614

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5
(1293) Sonja Obs. 43 *M* 312.80703 ω 99.20015
H 12.0 *G* 0.15 *U* 2 Opp. 7 *n* 0.29638258 Ω 236.75164
rms res. 0''96 (M-v) 1933-1996 *e* 0.2750229 *i* 5.35971

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5
(1504) Lappeenranta Obs. 60 *M* 158.19548 ω 51.64056
H 11.88 *G* 0.15 *U* 1 Opp. 15 *n* 0.26522356 Ω 95.02713
rms res. 1''07 (M-v) 1939-1995 *e* 0.1580799 *i* 11.03876

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5
(1505) Koranna Obs. 47 *M* 42.76978 ω 343.55205
H 11.0 *G* 0.15 *U* 1 Opp. 15 *n* 0.22702395 Ω 248.65608
rms res. 1''02 (M-v) 1935-1996 *e* 0.1327176 *i* 14.47002

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5
(1921) Pala Obs. 27 *M* 310.14853 ω 18.54798
H 14.3 *G* 0.15 *U* 1 Opp. 6 *n* 0.16723105 Ω 352.91228
rms res. 0''84 (M-v) 1973-1996 *e* 0.4021563 *i* 19.44451

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5
(2201) Oljato Obs. 110 *M* 17.15744 ω 95.94903
H 15.25 *G* 0.15 *U* 1 Opp. 9 *n* 0.30700136 Ω 76.90055
rms res. 0''76 (M-v) 1931-1996 *e* 0.7106170 *i* 2.51567

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5
(2689) Bruxelles Obs. 36 *M* 78.12421 ω 10.80298
H 13.9 *G* 0.15 *U* 2 Opp. 9 *n* 0.29542749 Ω 190.83346
rms res. 0''99 (M-v) 1952-1996 *e* 0.1183803 *i* 5.50162

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5
(2952) Lilliputia Obs. 37 *M* 230.96331 ω 77.96202
H 14.1 *G* 0.15 *U* 2 Opp. 8 *n* 0.27992523 Ω 323.62732
rms res. 1''02 (M-v) 1955-1996 *e* 0.1706317 *i* 3.32266

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5
(3342) Fivesparks Obs. 21 *M* 232.55761 ω 313.08539
H 11.9 *G* 0.15 *U* 2 Opp. 6 *n* 0.17736508 Ω 144.44349
rms res. 1''24 (M-v) 1969-1996 *e* 0.0733069 *i* 6.19018

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5
(3391) Sinon Obs. 21 *M* 273.37878 ω 101.72438
H 10.3 *G* 0.15 *U* 1 Opp. 5 *n* 0.08133147 Ω 341.14044
rms res. 0''48 (M-v) 1977-1996 *e* 0.0831456 *i* 14.89627

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5
(3493) Stepanov Obs. 43 *M* 56.66723 ω 76.70237
H 13.3 *G* 0.15 *U* 2 Opp. 5 *n* 0.30127744 Ω 122.28740
rms res. 0''68 (M-v) 1976-1996 *e* 0.0876963 *i* 5.97336

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5
(3535) Ditte Obs. 43 *M* 240.18961 ω 163.26980
H 13.9 *G* 0.15 *U* 1 Opp. 6 *n* 0.28249709 Ω 262.98942
rms res. 0''83 (M-v) 1972-1996 *e* 0.1838253 *i* 1.56965

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5
(3789) Zhongguo Obs. 51 *M* 180.89959 ω 315.76353
H 12.8 *G* 0.15 *U* 1 Opp. 5 *n* 0.16662245 Ω 87.23600
rms res. 0''85 (M-v) 1928-1996 *e* 0.1946042 *i* 2.75457

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5
(3817) Lencarter Obs. 45 *M* 352.50690 ω 112.63909
H 14.5 *G* 0.15 *U* 2 Opp. 5 *n* 0.28835888 Ω 151.84791
rms res. 0''71 (M-v) 1949-1996 *e* 0.1102010 *i* 3.26710

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5
(4401) Aditi Obs. 40 *M* 178.74576 ω 67.37690
H 15.9 *G* 0.15 *U* 2 Opp. 4 *n* 0.23815296 Ω 23.75145
rms res. 0''97 (M-v) 1985-1995 *e* 0.5674271 *i* 26.71323

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5
(4467) 1975 VN₂ Obs. 39 *M* 240.03857 ω 40.67752
H 11.8 *G* 0.15 *U* 2 Opp. 4 *n* 0.22988013 Ω 34.32161
rms res. 0''91 (M-v) 1975-1996 *e* 0.1484614 *i* 14.13411

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5
(4670) Yoshinogawa Obs. 29 *M* 148.39479 ω 181.07780
H 13.4 *G* 0.15 *U* 2 Opp. 5 *n* 0.29369756 Ω 315.10161
rms res. 0''95 (M-v) 1980-1996 *e* 0.0923136 *i* 5.02014

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5
(5217) 1966 CL Obs. 30 *M* 19.50525 ω 100.21981
H 14.0 *G* 0.15 *U* 2 Opp. 5 *n* 0.26803568 Ω 124.32710
rms res. 0''77 (M-v) 1966-1996 *e* 0.1671228 *i* 2.91470

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5
(5283) Pyrrhus Obs. 23 *M* 275.33240 ω 354.38272
H 9.3 *G* 0.15 *U* 1 Opp. 5 *n* 0.08301723 Ω 71.20966
rms res. 0''67 (M-v) 1951-1992 *e* 0.1505252 *i* 17.48256

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5 Williams
(5395) 1988 RK₁₁ Obs. 26 *M* 294.33838 ω 220.82891
H 15.0 *G* 0.15 *U* 4 Opp. 5 *n* 0.24370271 Ω 168.80610
 rms res. 0".78 (M-v) 1976-1996 *e* 0.2721332 *i* 6.93491

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5 Williams
(5418) 1981 QG₁ Obs. 46 *M* 263.97350 ω 244.27949
H 12.8 *G* 0.15 *U* 2 Opp. 5 *n* 0.19164886 Ω 175.03366
 rms res. 0".67 (M-v) 1976-1996 *e* 0.3055400 *i* 17.42839

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5 Williams
(5850) 1990 XM Obs. 38 *M* 292.93333 ω 257.85266
H 14.0 *G* 0.15 *U* 2 Opp. 5 *n* 0.30974774 Ω 114.64249
 rms res. 0".98 (M-v) 1974-1996 *e* 0.1734789 *i* 2.34766

(7073)* 1972 RU₁ = 1979 UE₄ = 3159 T-1

Discovered 1972 Sept. 11 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Id. S. Nakano (*MPC* 19854), T. Kobayashi (*ibid.*)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5 Williams
M 312.43327 (2000.0) **P** **Q**
n 0.28352036 ω 119.05918 +0.84982028 +0.52558794
a 2.2948090 Ω 209.28532 -0.50731680 +0.79532097
e 0.1763161 *i* 4.63552 -0.14295158 +0.30202959
P 3.48 *H* 14.7 *G* 0.15 *U* 1

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|-------|-------|--------|-----|------|------|--------|-----|------|------|
| 710324 | 675 | 1.0+ | 1.1+ | 920504 | 691 | 0.3- | 0.1- | 960615 | 801 | 0.1+ | 1.1- |
| 710325 | 675 | 1.6+ | 0.7- | 920504 | 691 | 0.5- | 0.0 | 960617 | 684 | 0.5- | 0.8+ |
| 710326 | 675 | 0.3+ | 0.9- | 920504 | 691 | 0.3- | 0.9- | 960617 | 684 | 0.2+ | 0.4+ |
| 710326 | 675 | 0.0 | 1.2- | 920507 | 691 | 0.1+ | 0.1+ | 960617 | 684 | 0.9+ | 0.1+ |
| 710327 | 675 | 0.8- | 0.1+ | 920507 | 691 | 0.2- | 0.4+ | 960618 | 684 | 0.0 | 0.3+ |
| 710402 | 675 | 2.3- | 0.4- | 920507 | 691 | 1.0- | 1.4+ | 960618 | 684 | 0.1+ | 0.4+ |
| 720911 | 095 | (4.6- | 1.8+) | 931022 | 596 | 0.6+ | 0.5- | 960717 | 801 | 0.2+ | 0.5- |
| 721005 | 095 | 0.9- | 0.5- | 931022 | 596 | 0.5- | 0.4- | 960717 | 801 | 0.2+ | 0.1+ |
| 721013 | 095 | 1.4+ | 1.5- | 931022 | 596 | 0.0 | 1.0+ | 960719 | 801 | 0.3+ | 0.2- |
| 791016 | 095 | (5.8- | 1.2+) | 950225 | 691 | 0.2- | 0.3- | 960719 | 801 | 1.3- | 0.4+ |
| 920427 | 675 | (1.1- | 2.7-) | 950225 | 691 | 0.1- | 0.1- | 960720 | 801 | 0.1- | 0.8- |
| 920427 | 675 | 1.6+ | 1.0- | 950225 | 691 | 0.1+ | 0.3- | 960720 | 801 | 0.2+ | 0.5- |

(7074)* 1977 RD₃ = 1987 UA₅

Discovered 1977 Sept. 10 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Id. S. Nakano (*MPC* 15240)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5 Nakano
M 239.55789 (2000.0) **P** **Q**
n 0.30014612 ω 295.34075 +0.99652576 +0.05837223
a 2.2092637 Ω 61.36231 -0.02752027 +0.90400838
e 0.1859810 *i* 3.88111 -0.07860689 +0.42351095
P 3.28 *H* 14.2 *G* 0.15 *U* 2

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|-------|-------|--------|-----|------|------|
| 770910 | 095 | 0.7- | 1.1- | 900915 | 675 | 0.7+ | 0.9+ | 960418 | 809 | 1.2+ | 1.9- |
| 770918 | 095 | 1.9+ | 0.8- | 960417 | 809 | (2.6- | 0.8-) | 960519 | 809 | 1.6- | 0.1+ |
| 770922 | 095 | 0.1- | 0.3- | 960417 | 809 | (2.5- | 0.9-) | 960519 | 809 | 0.9- | 0.1+ |
| 871022 | 095 | 0.4- | 1.1- | 960417 | 809 | 1.7- | 0.2- | 960519 | 809 | 1.2- | 0.7- |

| | | | | | | | | | | | |
|--------|-----|-------|-------|--------|-----|------|------|--------|-----|------|------|
| 871027 | 095 | (1.2- | 2.7-) | 960418 | 809 | 0.2- | 0.4- | 960522 | 809 | 0.3+ | 0.8+ |
| 871121 | 095 | 1.1+ | 0.8- | 960418 | 809 | 0.6+ | 0.4+ | 960522 | 809 | 0.1- | 0.1- |
| 900726 | 675 | 0.5- | 0.2+ | 960418 | 809 | 0.2+ | 0.8- | 960522 | 809 | 0.2+ | 0.7+ |
| 900726 | 675 | 0.8- | 0.4+ | 960418 | 809 | 0.5+ | 0.7- | | | | |
| 900915 | 675 | 0.3+ | 0.3+ | 960418 | 809 | 1.0+ | 1.6- | | | | |

(7075)* 1979 SN₄ = 1978 JW₃ = 1991 JH₇ = 1992 QD

Discovered 1979 Sept. 24 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Id. S. Nakano (*MPC* 20808)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5 Nakano
M 300.69016 (2000.0) **P** **Q**
n 0.22500063 ω 163.89061 +0.94171386 +0.33613594
a 2.6771964 Ω 176.37985 -0.32761750 +0.92557770
e 0.1757349 *i* 12.52925 -0.07643150 +0.17412224
P 4.38 *H* 12.5 *G* 0.15 *U* 2

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|-------|-------|--------|-----|------|------|--------|-----|------|------|
| 780505 | 095 | 0.3- | 0.3+ | 920827 | 402 | 0.7- | 0.6- | 921001 | 801 | 1.9+ | 0.0 |
| 790827 | 095 | 0.3+ | 0.5- | 920827 | 402 | 0.8- | 0.2- | 921001 | 801 | 1.8+ | 0.0 |
| 790902 | 095 | 0.3+ | 0.0 | 920827 | 372 | 0.2- | 0.9+ | 960615 | 684 | 0.4- | 0.7+ |
| 790924 | 095 | (1.6+ | 3.9+) | 920828 | 675 | 1.4+ | 0.7- | 960615 | 684 | 0.4- | 0.6+ |
| 790924 | 095 | 0.6- | 2.0+ | 920828 | 675 | 0.7- | 0.6- | 960615 | 684 | 0.4- | 0.7+ |
| 910505 | 399 | 0.5+ | 0.4+ | 920920 | 399 | 0.5+ | 0.6- | 960616 | 801 | 0.0 | 0.5+ |
| 910505 | 399 | 0.1- | 1.3- | 920920 | 399 | 0.3+ | 0.4- | 960616 | 801 | 0.0 | 0.6+ |
| 920822 | 675 | 0.4- | 0.6- | 920922 | 809 | 0.3- | 1.3+ | 960617 | 684 | 0.0 | 0.6+ |
| 920822 | 675 | 0.6+ | 1.3- | 920922 | 809 | 0.9- | 0.0 | 960617 | 684 | 0.7- | 0.8+ |
| 920824 | 675 | 0.5- | 0.8- | 920922 | 809 | 1.4- | 0.4+ | 960719 | 801 | 0.6+ | 0.2+ |
| 920824 | 675 | 0.8- | 0.6- | 920923 | 809 | 0.4- | 0.4+ | 960719 | 801 | 0.7+ | 0.2+ |
| 920826 | 372 | 0.1- | 0.1+ | 920923 | 809 | 0.0 | 0.5+ | 960720 | 801 | 0.5- | 1.7- |
| 920826 | 372 | 0.4+ | 0.4+ | 920923 | 809 | 0.9- | 0.3+ | 960720 | 801 | 1.2+ | 1.8- |
| 920827 | 372 | 0.8+ | 1.5+ | 920925 | 801 | 1.2+ | 0.3+ | | | | |
| 920827 | 372 | 1.5- | 1.8- | 920925 | 801 | 1.1+ | 0.3+ | | | | |

(7076)* 1980 UC = 1986 WA₂

Discovered 1980 Oct. 30 by Z. Vávrová at Kleť.

Id. T. Kobayashi (*MPC* 13056)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5 Williams
M 317.52408 (2000.0) **P** **Q**
n 0.17699539 ω 227.54195 +0.92384645 +0.38023235
a 3.1416761 Ω 110.06696 -0.33601792 +0.86063858
e 0.2229720 *i* 2.68153 -0.18330219 +0.33871020
P 5.57 *H* 12.9 *G* 0.15 *U* 1

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|-------|-------|--------|-----|-------|-------|--------|-----|------|------|
| 801030 | 046 | 0.9- | 0.7+ | 911004 | 046 | (0.2+ | 3.1-) | 950422 | 046 | 0.2+ | 0.3- |
| 801030 | 046 | 0.0 | 2.1+ | 911004 | 046 | (1.9+ | 2.9-) | 950423 | 046 | 0.2- | 0.5- |
| 801106 | 688 | 1.1+ | 1.0- | 911106 | 801 | 0.4+ | 0.7+ | 950423 | 046 | 0.2+ | 0.0 |
| 801106 | 688 | 0.2+ | 2.0- | 911106 | 801 | 0.4+ | 0.5+ | 950423 | 046 | 0.3+ | 0.1- |
| 801111 | 046 | (3.0+ | 1.3+) | 911109 | 675 | 0.6- | 0.3+ | 960617 | 046 | 1.5- | 0.5- |
| 801111 | 046 | 0.5- | 0.4+ | 911109 | 675 | 0.5- | 0.8- | 960617 | 046 | 1.8- | 0.6- |
| 861129 | 046 | 2.0+ | 0.5- | 911110 | 675 | 0.4+ | 0.1- | 960617 | 046 | 1.6- | 0.5- |
| 861129 | 046 | (3.5+ | 0.3+) | 911231 | 801 | 0.5+ | 0.3+ | 960618 | 684 | 0.0 | 0.3- |
| 861130 | 046 | 2.1- | 2.1+ | 911231 | 801 | 0.2+ | 0.4+ | 960618 | 684 | 0.1+ | 0.1- |
| 861130 | 046 | 1.4- | 1.7+ | 920107 | 801 | 0.4- | 0.1- | 960618 | 684 | 0.0 | 0.3- |

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 861201 046 | 0.7+ | 1.4- | 920108 801 | 0.3- | 0.5- | 960618 684 | 0.0 | 0.1+ |
| 861201 046 | 1.6- | 2.2- | 940212 809 | 1.4+ | 0.6- | 960716 046 | 0.4+ | 0.1- |
| 910912 675 | 1.0+ | 0.7- | 940212 809 | 0.1- | 0.8- | 960716 046 | 0.4+ | 0.1- |
| 910912 675 | 1.1+ | 0.7- | 940212 809 | 0.1- | 0.6- | 960716 046 | 0.7+ | 0.1- |
| 910914 675 | 0.6+ | 1.0- | 940215 675 | 1.1- | 0.4- | 960717 046 | 0.4+ | 0.2+ |
| 910914 675 | 0.9+ | 0.2- | 940215 675 | 1.5- | 1.3- | 960717 046 | 0.3+ | 0.3+ |
| 911003 046 | (0.4- | 4.6-) | 950422 046 | 1.0+ | 0.1- | 960717 046 | 0.4+ | 0.3+ |
| 911003 046 | (1.8- | 4.1-) | 950422 046 | 0.3+ | 0.1- | | | |

(7077)* 1982 VZ = 1984 EQ₁

Discovered 1982 Nov. 15 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Id. T. Furuta (*JAM* 1693)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| <i>M</i> | 123.24809 | <i>P</i> | Williams | | <i>Q</i> | | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| | (2000.0) | | | | | | |
| <i>n</i> | 0.17359525 | ω | 297.98138 | +0.39244414 | -0.91943809 | | |
| <i>a</i> | 3.1825665 | Ω | 128.88999 | +0.85472721 | +0.35454632 | | |
| <i>e</i> | 0.1855934 | <i>i</i> | 1.83499 | +0.33974842 | +0.17008970 | | |
| <i>P</i> | 5.68 | <i>H</i> | 12.7 | <i>G</i> | 0.15 | <i>U</i> | 1 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|-------|-------|
| 560316 675 | 0.5+ | 0.6- | 840305 809 | 0.7- | 0.1- | 930918 809 | (3.4- | 4.4+) |
| 821115 688 | 1.6+ | 1.5- | 840305 809 | 0.8- | 0.4- | 930918 809 | (4.2- | 3.8+) |
| 821115 688 | (1.2+ | 2.8-) | 840305 809 | 0.2- | 0.5- | 950129 801 | 0.4+ | 0.4+ |
| 821213 381 | 0.9- | 0.0 | 840306 809 | 0.1- | 0.5+ | 950129 801 | 0.6+ | 0.5+ |
| 821213 381 | 0.2- | 0.2+ | 840306 809 | 0.0 | 0.3+ | 960326 566 | 0.9+ | 0.8+ |
| 821214 381 | 0.4- | 0.7+ | 840306 809 | 0.0 | 0.4+ | 960326 566 | 1.0+ | 0.6+ |
| 821214 381 | 0.1- | 0.1- | 840308 809 | 0.2- | 0.1- | 960326 566 | 0.9+ | 1.1+ |
| 840302 809 | 0.6+ | 0.3- | 840308 809 | 0.2- | 0.1+ | 960412 691 | 0.2- | 0.0 |
| 840302 809 | 0.5+ | 0.3- | 840308 809 | 0.0 | 0.1+ | 960412 691 | 0.5- | 0.3- |
| 840302 809 | 0.7+ | 0.2- | 930917 809 | (3.7- | 3.3+) | 960412 691 | 0.8- | 0.6- |
| 840304 809 | 0.6- | 0.3- | 930917 809 | (6.0- | 2.9+) | 960416 596 | 0.2- | 0.1+ |
| 840304 809 | 0.6- | 0.0 | 930917 809 | (5.0- | 3.8+) | 960416 596 | 0.4- | 0.8- |
| 840304 809 | 0.4- | 0.1+ | 930918 809 | (3.0- | 4.2+) | 960416 596 | 0.2- | 0.8- |

(7078)* 1985 UH₃ = 1989 WP₁

Discovered 1985 Oct. 17 by C.-I. Lagerkvist at Kvistaberg.

Id. S. Nakano (*MPC* 15710), T. Kobayashi (*ibid.*), H. Kaneda (*ibid.*)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| <i>M</i> | 306.97271 | <i>P</i> | Nakano | | <i>Q</i> | | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| | (2000.0) | | | | | | |
| <i>n</i> | 0.25928360 | ω | 191.26425 | +0.93208678 | +0.36109046 | | |
| <i>a</i> | 2.4356751 | Ω | 147.52208 | -0.32804191 | +0.87512469 | | |
| <i>e</i> | 0.2241340 | <i>i</i> | 3.07163 | -0.15363184 | +0.32213423 | | |
| <i>P</i> | 3.80 | <i>H</i> | 13.3 | <i>G</i> | 0.15 | <i>U</i> | 1 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 540701 675 | 0.6- | 0.3+ | 891201 399 | 1.7+ | 1.6- | 950302 691 | 0.5- | 0.8- |
| 540701 675 | 0.8+ | 0.3- | 891201 399 | 0.8+ | 1.9- | 950308 691 | 0.6- | 0.2- |
| 840429 675 | 0.3+ | 1.0+ | 920530 801 | 0.4+ | 1.0- | 950308 691 | 0.0 | 0.5+ |
| 850921 095 | 0.9- | 0.9- | 920530 801 | 0.9+ | 1.2- | 950308 691 | 0.7- | 0.4- |
| 851017 049 | (1.5+ | 6.4+) | 920702 801 | 0.1- | 0.2- | 960614 596 | 0.0 | 0.5- |
| 851017 049 | (0.2- | 3.8+) | 920702 801 | 0.4+ | 0.1- | 960614 596 | 0.4+ | 0.5- |
| 851018 095 | 0.5- | 0.1+ | 931213 801 | 0.5+ | 0.4- | 960614 596 | 0.0 | 0.2- |
| 851112 095 | 0.2+ | 0.9+ | 931213 801 | 0.2+ | 0.4- | 960712 801 | 0.0 | 0.4- |
| 891125 399 | 0.2- | 0.5+ | 931217 801 | 1.2+ | 0.4- | 960712 801 | 0.6- | 0.0 |

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 891125 399 | 1.0- | 0.3- | 931217 801 | 0.7+ | 0.5- | 960718 801 | 0.2- | 0.3- |
| 891125 399 | 0.6- | 0.1- | 950302 691 | 0.8- | 0.1+ | 960718 801 | 0.0 | 1.2- |
| 891201 399 | (2.9+ | 1.0-) | 950302 691 | 1.2- | 0.4- | | | |

(7079)* 1986 RR = 1992 EM₃₅

Discovered 1986 Sept. 5 by E. W. Elst and V. Ivanova at Smolyan.

Id. T. Kobayashi (*MPC* 24227)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| <i>M</i> | 289.75859 | <i>P</i> | Williams | | <i>Q</i> | | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| | (2000.0) | | | | | | |
| <i>n</i> | 0.28511759 | ω | 121.09138 | +0.80964016 | +0.58632984 | | |
| <i>a</i> | 2.2862306 | Ω | 203.04432 | -0.55889485 | +0.75642175 | | |
| <i>e</i> | 0.2953838 | <i>i</i> | 3.87593 | -0.17921876 | +0.28990250 | | |
| <i>P</i> | 3.46 | <i>H</i> | 14.8 | <i>G</i> | 0.15 | <i>U</i> | 2 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 860812 095 | 0.3- | 1.2+ | 931011 400 | 0.4- | 0.5- | 960519 809 | 0.3+ | 0.0 |
| 860905 071 | (9.0+ | 3.6-) | 960417 809 | 1.7+ | 1.0+ | 960519 809 | 0.2- | 0.3- |
| 860905 071 | (3.5+ | 3.5-) | 960417 809 | 1.0+ | 1.9+ | 960522 809 | 1.2+ | 0.6- |
| 860906 095 | (3.8+ | 2.2-) | 960417 809 | 1.2+ | 1.2+ | 960522 809 | 1.1+ | 1.5- |
| 920303 809 | 0.1- | 0.8- | 960418 809 | (3.5+ | 1.8+) | 960522 809 | 1.2+ | 1.6- |
| 920306 809 | 0.4- | 0.0 | 960418 809 | (4.3+ | 1.1+) | 960608 809 | 1.0- | 0.2- |
| 930910 808 | 1.5+ | 0.8+ | 960418 809 | (4.1+ | 0.8+) | 960608 809 | 1.6- | 0.9- |
| 930910 808 | 0.4+ | 0.1- | 960514 566 | 0.1+ | 0.5+ | 960608 809 | 1.6- | 0.8+ |
| 930919 400 | (2.8+ | 2.0+) | 960514 566 | 0.7- | 0.1+ | 960610 809 | 0.2- | 0.4- |
| 930919 400 | 1.0- | 0.6- | 960514 566 | 0.5- | 0.2+ | 960610 809 | 1.1- | 1.1- |
| 931011 400 | 0.0 | 1.2- | 960519 809 | 0.5- | 0.3+ | 960610 809 | 1.0- | 0.4- |

(7080)* 1986 RS₁ = 1979 OE₁₁

Discovered 1986 Sept. 5 by A. Mrkos at Kletř.

Id. T. Kobayashi (*MPC* 14949)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| <i>M</i> | 295.80704 | <i>P</i> | Williams | | <i>Q</i> | | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| | (2000.0) | | | | | | |
| <i>n</i> | 0.28771420 | ω | 175.87246 | +0.93684693 | +0.34850730 | | |
| <i>a</i> | 2.2724544 | Ω | 163.63809 | -0.32378752 | +0.89597931 | | |
| <i>e</i> | 0.1990142 | <i>i</i> | 5.97712 | -0.13220994 | +0.27525216 | | |
| <i>P</i> | 3.43 | <i>H</i> | 15.4 | <i>G</i> | 0.15 | <i>U</i> | 1 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 790724 413 | 0.6+ | 1.4- | 931111 801 | 0.4+ | 0.2- | 960612 046 | 0.8- | 0.2- |
| 790726 675 | 1.4+ | 0.1+ | 931113 801 | 0.4+ | 0.2- | 960612 046 | 0.1- | 0.8- |
| 790728 413 | 0.7- | 1.5- | 931113 801 | 0.4+ | 0.3- | 960615 046 | 0.2- | 0.4+ |
| 860830 095 | (1.2+ | 4.2+) | 950221 046 | 0.4- | 0.8- | 960615 046 | 0.1+ | 0.1+ |
| 860905 046 | (6.0+ | 0.9+) | 950221 046 | 1.2- | 0.2- | 960615 046 | 0.1- | 0.5+ |
| 860905 046 | (4.5+ | 0.5+) | 950221 046 | 0.6- | 0.4- | 960615 046 | 0.4- | 0.3- |
| 860907 095 | 1.2- | 1.3- | 950301 046 | 1.2+ | 0.8- | 960720 046 | 0.4+ | 0.6- |
| 860912 095 | (0.1- | 2.7-) | 950301 046 | 0.4- | 1.9- | 960720 046 | 0.8+ | 0.5- |
| 931014 675 | 0.4+ | 0.5- | 950301 046 | 0.6- | 2.0- | 960720 046 | 0.3+ | 0.6- |
| 931014 675 | 0.6+ | 0.5- | 960607 046 | 0.3+ | 1.3+ | 960721 046 | 0.0 | 0.8- |
| 931015 675 | 0.3+ | 0.1+ | 960607 046 | 0.6+ | 1.1+ | 960721 046 | 0.4+ | 0.6- |
| 931019 595 | 0.6- | 0.1+ | 960607 046 | 0.0 | 0.9+ | 960721 046 | 0.4+ | 0.7- |
| 931019 595 | 0.6- | 1.0+ | 960607 046 | 0.3+ | 0.8+ | | | |
| 931111 801 | 0.3+ | 0.3- | 960612 046 | 1.9- | 0.0 | | | |

(7081)* 1987 QF₇ = 1981 GG₁

Discovered 1987 Aug. 30 by P. Wild at Zimmerwald.

Id. C. M. Bardwell (*MPC* 12439)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | | Bardwell | | | |
|----------|------------|--------------------|---------------|--|-------------|--|
| <i>M</i> | 310.46780 | (2000.0) | P | | Q | |
| <i>n</i> | 0.21647923 | ω 130.34279 | +0.99552516 | | -0.02573601 | |
| <i>a</i> | 2.7469994 | Ω 231.32906 | -0.00556704 | | +0.94455487 | |
| <i>e</i> | 0.2391353 | <i>i</i> 6.68777 | +0.09433277 | | +0.32734347 | |
| <i>P</i> | 4.55 | <i>H</i> 12.8 | <i>G</i> 0.15 | | <i>U</i> 1 | |

Residuals in seconds of arc

| | | | |
|-------------------------|------------------------|-----------------|------|
| 810404 474 (1.2+ 11.0+) | 921121 894 0.8+ 0.1- | 940215 675 0.6- | 0.4- |
| 810404 474 (0.3- 10.8+) | 921121 894 1.5- 1.3- | 940215 675 1.4+ | 0.2+ |
| 810405 474 (0.3+ 4.9+) | 921125 675 0.9+ 0.1+ | 940313 675 1.3- | 1.0- |
| 810405 474 (0.4- 4.5+) | 921125 675 0.8+ 0.2+ | 940313 675 1.9- | 0.8- |
| 870830 026 0.9+ 0.6+ | 921125 372 (3.5- 1.2-) | 940314 675 0.2+ | 0.0 |
| 870903 026 0.0 0.9- | 921125 372 2.0- 0.9- | 940314 675 0.4+ | 0.1+ |
| 870913 026 1.4+ 0.3+ | 921127 399 0.7- 0.4+ | 960613 104 0.2+ | 0.4- |
| 870915 026 0.9- 0.0 | 921127 399 0.3- 1.4+ | 960613 104 0.2+ | 0.2- |
| 870917 026 1.7- 0.3+ | 921128 675 0.7+ 0.0 | 960613 104 0.0 | 0.1- |
| 870920 026 0.8+ 0.4+ | 921128 675 0.0 0.1- | 960613 104 0.1+ | 0.1- |
| 870929 026 0.1+ 1.3- | 921129 372 0.8- 0.6- | 960718 801 0.0 | 0.7- |
| 870930 026 0.7- 0.8+ | 921129 372 0.8+ 0.2+ | 960718 801 0.2+ | 0.7- |
| 921118 894 0.4+ 0.7- | 940210 675 0.5+ 0.2- | | |
| 921118 894 1.2+ 0.3+ | 940210 675 0.4+ 0.1- | | |

(7082)* 1987 YL₁ = 1990 HZ

Discovered 1987 Dec. 17 by E. W. Elst and G. Pizarro at the European Southern Observatory.

Id. G. V. Williams (*MPC* 16581)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | | Williams | | | |
|----------|------------|--------------------|---------------|--|-------------|--|
| <i>M</i> | 320.93103 | (2000.0) | P | | Q | |
| <i>n</i> | 0.17956212 | ω 161.83475 | +0.55754522 | | +0.81265779 | |
| <i>a</i> | 3.1116655 | Ω 141.54631 | -0.79144453 | | +0.58197082 | |
| <i>e</i> | 0.1472433 | <i>i</i> 15.81676 | -0.25051723 | | -0.02995463 | |
| <i>P</i> | 5.49 | <i>H</i> 12.4 | <i>G</i> 0.15 | | <i>U</i> 1 | |

Residuals in seconds of arc

| | | | |
|----------------------|------------------------|-----------------|------|
| 871217 809 0.9- 0.3- | 910712 675 0.2+ 0.8- | 910808 675 0.2+ | 0.5+ |
| 871217 809 0.7+ 1.7- | 910712 675 1.1+ 1.1+ | 910811 801 0.3+ | 0.2+ |
| 871220 809 0.4+ 1.6- | 910714 675 0.4- 0.0 | 910811 801 0.2- | 0.3+ |
| 871220 809 0.4+ 1.3- | 910714 675 0.6+ 0.6- | 960614 552 0.8- | 1.2- |
| 871223 809 0.5- 0.9- | 910717 675 0.5+ 0.7- | 960614 552 0.6- | 1.2- |
| 890309 675 0.2+ 0.1+ | 910717 675 0.6- 0.0 | 960616 801 0.4- | 0.3- |
| 890310 675 1.1+ 0.1- | 910805 675 0.3- 0.1+ | 960616 801 0.0 | 0.2+ |
| 900426 675 0.5- 0.5- | 910805 675 (2.3+ 0.7+) | 960709 552 0.7+ | 0.0 |
| 900426 675 0.3+ 0.5+ | 910805 675 0.2+ 1.1+ | 960709 552 0.2+ | 0.7- |
| 900429 675 1.9- 1.8+ | 910805 675 (2.2+ 0.5-) | 960711 552 0.0 | 0.6- |
| 900429 675 0.1+ 0.9+ | 910807 675 0.3+ 1.5- | 960711 552 0.0 | 0.1+ |
| 900522 675 0.6+ 1.8- | 910807 675 (1.1- 3.0-) | 960712 801 0.0 | 0.3- |
| 900522 675 0.4+ 1.3- | 910808 801 0.4- 0.1- | 960712 801 0.3- | 0.3- |
| 910710 801 0.3- 0.1+ | 910808 801 0.4- 0.2- | 960718 801 0.2+ | 0.3- |
| 910710 801 0.3- 0.2+ | 910808 675 0.3+ 0.0 | | |

(7083)* 1989 CL₃ = 1973 TT = 1978 WF₂

Discovered 1989 Feb. 4 by E. W. Elst at the European Southern Observatory.
Id. S. Nakano (*MPC* 14623)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | | Nakano | | | |
|----------|------------|--------------------|---------------|--|-------------|--|
| <i>M</i> | 276.80832 | (2000.0) | P | | Q | |
| <i>n</i> | 0.20925331 | ω 147.24882 | +0.86761761 | | -0.48603060 | |
| <i>a</i> | 2.8098804 | Ω 242.17633 | +0.42684682 | | +0.83627936 | |
| <i>e</i> | 0.2244476 | <i>i</i> 6.81516 | +0.25503232 | | +0.25379341 | |
| <i>P</i> | 4.71 | <i>H</i> 12.7 | <i>G</i> 0.15 | | <i>U</i> 1 | |

Residuals in seconds of arc

| | | | |
|------------------------|------------------------|-----------------|------|
| 551212 675 1.1+ 0.0 | 890302 809 0.3+ 0.2- | 921121 801 0.7+ | 0.1+ |
| 551212 675 1.0+ 0.4- | 890302 809 0.2- 0.6- | 921121 801 0.8+ | 0.2+ |
| 731001 095 (0.1- 4.9+) | 890302 809 1.0- 0.3- | 921129 801 1.3+ | 0.5+ |
| 781129 675 0.8- 0.7- | 890302 809 1.6- 0.8- | 921129 801 1.2+ | 0.5+ |
| 781130 675 0.6+ 0.0 | 890302 809 1.2- 0.4- | 940316 691 0.0 | 0.7- |
| 810508 675 0.4+ 0.4- | 890303 809 0.3+ 1.0+ | 940316 691 0.4- | 0.7- |
| 810509 675 1.6- 1.0+ | 890303 809 0.0 0.4+ | 940316 691 0.5- | 0.9- |
| 870918 095 2.2- 1.5- | 890303 809 0.0 0.1+ | 960615 596 0.8+ | 0.1+ |
| 870923 095 0.0 2.2- | 890303 809 0.4- 0.1+ | 960615 596 0.9+ | 0.2+ |
| 890204 809 (2.9+ 0.7-) | 890303 809 1.1- 0.3- | 960615 596 0.9+ | 0.3+ |
| 890204 809 (2.6+ 0.2-) | 890303 809 0.9- 0.2- | 960712 801 0.5+ | 0.5+ |
| 890204 809 (2.8+ 0.8-) | 921001 801 1.0+ 0.2- | 960712 801 0.3+ | 1.5- |
| 890207 809 (2.9+ 0.8-) | 921001 801 (1.7+ 2.6-) | 960720 801 0.0 | 0.6- |
| 890207 809 (3.1+ 0.8-) | 921120 596 0.9- 0.1- | 960720 801 0.7+ | 0.5- |
| 890207 809 2.0+ 0.5- | 921120 596 0.5- 0.6+ | | |
| 890302 809 0.4+ 0.6- | 921120 596 1.3- 0.7- | | |

(7084)* 1991 BR = 1975 EQ₅ = 1980 PB

Discovered 1991 Jan. 19 by A. Sugie at the Dync Astronomical Observatory.

Id. S. Nakano (*MPC* 17834)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | | Nakano | | | |
|----------|------------|--------------------|---------------|--|-------------|--|
| <i>M</i> | 33.91612 | (2000.0) | P | | Q | |
| <i>n</i> | 0.24074961 | ω 43.09421 | -0.76810354 | | +0.64028190 | |
| <i>a</i> | 2.5591299 | Ω 176.69208 | -0.61708977 | | -0.73705936 | |
| <i>e</i> | 0.2078485 | <i>i</i> 7.45460 | -0.17093032 | | -0.21629283 | |
| <i>P</i> | 4.09 | <i>H</i> 13.4 | <i>G</i> 0.15 | | <i>U</i> 1 | |

Residuals in seconds of arc

| | | | |
|------------------------|----------------------|-----------------|------|
| 750315 095 0.4+ 1.2+ | 910209 402 1.9+ 1.2- | 920901 801 1.2+ | 0.5+ |
| 750317 095 (1.5- 5.6-) | 910209 402 0.3+ 1.0- | 920901 801 0.3+ | 0.3+ |
| 800813 801 0.4- 0.2- | 920702 801 0.3- 0.1+ | 960615 801 0.5- | 1.3- |
| 910119 402 1.3- 0.4+ | 920702 801 0.3- 0.2+ | 960615 801 0.8- | 0.5- |
| 910119 402 0.4+ 1.3+ | 920726 801 0.7- 0.7+ | 960718 801 0.3- | 0.2+ |
| 910123 402 (4.2- 0.8+) | 920729 801 1.0- 0.0 | 960718 801 0.0 | 0.8+ |
| 910123 402 0.2- 1.8+ | 920729 801 0.1- 0.3+ | 960720 801 1.5+ | 1.0- |
| 910208 675 0.3- 1.0- | 920825 801 0.7+ 0.5+ | 960720 801 0.3- | 0.7- |
| 910208 675 0.9- 0.6- | 920825 801 1.0+ 0.6+ | | |

(7085)* 1991 PE = 1986 TE₁

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

Id. B. G. Marsden (*MPC* 18829)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | | Marsden | | | |
|----------|------------|--------------------|---------------|--|-------------|--|
| <i>M</i> | 316.92874 | (2000.0) | P | | Q | |
| <i>n</i> | 0.18272531 | ω 195.28797 | +0.73115585 | | +0.68098997 | |
| <i>a</i> | 3.0756500 | Ω 121.71708 | -0.62077919 | | +0.68892266 | |
| <i>e</i> | 0.2665549 | <i>i</i> 2.74843 | -0.28292106 | | +0.24827048 | |
| <i>P</i> | 5.39 | <i>H</i> 12.6 | <i>G</i> 0.15 | | <i>U</i> 2 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|-------|-------|
| 861003 095 | 0.2+ | 1.1- | 910816 809 | 1.3+ | 1.4- | 931217 691 | 1.4- | 0.1- |
| 861004 688 | 0.2+ | 1.5+ | 910816 809 | (2.6+ | 1.1-) | 940211 675 | (2.0+ | 2.5-) |
| 861004 688 | 0.0 | 1.2+ | 910904 809 | 0.5- | 0.1- | 940211 675 | 1.1+ | 1.4- |
| 861008 095 | (3.2+ | 0.0) | 910904 809 | 0.9- | 0.1+ | 940214 675 | (2.1+ | 2.8-) |
| 910805 675 | 1.1+ | 0.0 | 910904 809 | 1.6- | 0.4+ | 940214 675 | 0.0 | 1.3- |
| 910805 675 | 1.3+ | 0.6+ | 910906 809 | 0.6- | 0.7- | 950323 033 | 0.4- | 0.6- |
| 910808 675 | 1.2+ | 0.1- | 910906 809 | 1.2- | 0.5- | 950324 033 | 1.0- | 0.2- |
| 910808 675 | 1.0+ | 0.4+ | 910906 809 | 1.3- | 0.4- | 960516 801 | 0.2+ | 0.7+ |
| 910810 675 | 0.3+ | 0.8- | 910907 809 | 0.3- | 1.5+ | 960516 801 | 0.4+ | 0.1- |
| 910810 675 | 0.4- | 1.1- | 910907 809 | 1.8- | 0.2+ | 960523 801 | 0.2+ | 0.2- |
| 910812 095 | 0.6- | 0.2- | 910907 809 | (2.3- | 0.3+) | 960523 801 | 0.8+ | 1.1+ |
| 910812 095 | (4.9+ | 4.0-) | 931120 691 | 0.4+ | 0.3- | 960712 801 | 0.3- | 0.4- |
| 910814 809 | 0.9+ | 0.6- | 931120 691 | 0.7- | 0.3- | 960712 801 | 0.1+ | 0.2+ |
| 910814 809 | 0.4+ | 0.2- | 931120 691 | 0.3- | 0.5- | | | |
| 910816 809 | 1.2+ | 1.8- | 931217 691 | 0.1- | 0.2- | | | |

(7086)* 1991 TA₁ = 1954 QV

Discovered 1991 Oct. 5 by C. S. Shoemaker at Palomar.

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | | |
|----------|------------|----------|-----------|
| | | Williams | |
| <i>M</i> | 257.23979 | (2000.0) | |
| <i>n</i> | 0.37358658 | ω | 173.62397 |
| <i>a</i> | 1.9093046 | Ω | 204.86022 |
| <i>e</i> | 0.0872099 | <i>i</i> | 25.61341 |
| <i>P</i> | 2.64 | <i>H</i> | 13.2 |
| | | <i>G</i> | 0.15 |
| | | <i>U</i> | 2 |
| | | <i>Q</i> | 2 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 540829 675 | 0.1+ | 0.3- | 911106 675 | 0.9+ | 0.2- | 941212 413 | 1.0+ | 1.2+ |
| 540829 675 | 0.0 | 0.5- | 911106 675 | 0.8- | 1.6- | 950328 801 | 1.3+ | 0.7- |
| 911005 675 | (0.4- | 2.8-) | 911108 675 | 0.6+ | 0.5+ | 950328 801 | 0.1- | 0.1- |
| 911005 675 | (0.8+ | 3.1-) | 911108 675 | 0.2- | 1.1- | 950401 801 | 0.2- | 1.6- |
| 911007 675 | 0.5- | 1.3- | 911109 675 | 0.2- | 0.4+ | 950401 801 | 0.3+ | 0.4+ |
| 911007 675 | (1.0- | 2.4-) | 911110 675 | 0.2+ | 0.3+ | 950403 801 | 1.0- | 0.2+ |
| 911008 675 | 0.9- | 0.8- | 911207 675 | 1.3+ | 1.1- | 960611 596 | 0.0 | 0.1+ |
| 911013 675 | 0.7- | 1.1- | 911207 675 | 0.5- | 0.8- | 960611 596 | 0.3+ | 0.2+ |
| 911013 675 | 1.1- | 0.1+ | 930414 675 | 0.2- | 0.5+ | 960611 596 | 0.4+ | 0.3+ |
| 911014 675 | 1.1+ | 1.5+ | 930414 675 | 0.4- | 0.0 | 960616 801 | 1.1+ | 0.2+ |
| 911014 675 | 0.2- | 1.1+ | 930416 675 | 0.6- | 1.2- | 960719 801 | 0.3+ | 0.2+ |
| 911102 675 | 0.7+ | 1.3+ | 930416 675 | (0.1+ | 2.6-) | 960719 801 | 0.9- | 0.1- |
| 911102 675 | 0.1+ | 0.4+ | 930716 801 | 0.4+ | 0.5- | 960720 801 | 0.2+ | 0.8- |
| 911104 675 | 0.1+ | 0.2+ | 930716 801 | 0.7+ | 1.4- | | | |
| 911104 675 | 0.3+ | 0.8+ | 941212 413 | 1.2- | 1.6- | | | |

(7087)* 1991 TG₄

Discovered 1991 Oct. 13 by K. Lawrence at Palomar.

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | | |
|----------|------------|----------|-----------|
| | | Williams | |
| <i>M</i> | 137.50854 | (2000.0) | |
| <i>n</i> | 0.36013396 | ω | 270.39880 |
| <i>a</i> | 1.9565607 | Ω | 222.72655 |
| <i>e</i> | 0.1011556 | <i>i</i> | 19.53674 |
| <i>P</i> | 2.74 | <i>H</i> | 13.2 |
| | | <i>G</i> | 0.15 |
| | | <i>U</i> | 2 |
| | | <i>Q</i> | 2 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------|-------|------------|------|------|
| 910913 675 | 0.1- | 0.8+ | 930622 675 | 0.6+ | 0.5- | 950120 608 | 0.2+ | 0.4- |
| 910913 675 | 0.4- | 0.6+ | 930622 675 | (3.0+ | 3.1-) | 950201 670 | 0.2- | 0.5+ |

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 910914 675 | 0.3- | 0.6+ | 930623 675 | (1.4+ | 3.0-) | 950201 670 | 1.3- | 0.6- |
| 910915 675 | 0.2- | 0.7+ | 930623 675 | (1.3+ | 3.7-) | 950201 670 | 0.0 | 1.2- |
| 910916 675 | 0.1+ | 0.0 | 930715 675 | (0.7- | 2.6+) | 950202 670 | 1.3- | 0.9- |
| 911013 675 | 0.3- | 1.6- | 930715 675 | 0.5+ | 0.9+ | 950202 670 | 0.2+ | 1.6- |
| 911013 675 | 0.1+ | 0.7+ | 930717 675 | 1.7- | 0.1- | 960615 801 | 0.0 | 0.6- |
| 911014 675 | 0.7+ | 0.5- | 930717 675 | 0.5- | 0.5+ | 960615 801 | 1.1+ | 1.0- |
| 911014 675 | 0.0 | 0.3- | 941101 675 | 0.1+ | 0.8+ | 960712 801 | 0.2- | 0.4- |
| 911101 675 | 0.9+ | 0.0 | 941101 675 | 1.3+ | 0.1- | 960714 801 | 0.7+ | 1.9- |
| 911101 675 | (2.5+ | 1.1+) | 950105 801 | 0.3- | 0.1+ | 960714 801 | 0.1+ | 0.4- |
| 911103 675 | (2.9+ | 0.4+) | 950105 801 | 0.2- | 0.7+ | | | |
| 911103 675 | (3.7+ | 2.4+) | 950120 608 | 0.1- | 0.4- | | | |

(7088)* 1992 AA

Discovered 1992 Jan. 1 by C. S. Shoemaker at Palomar.

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | | |
|----------|------------|----------|-----------|
| | | Williams | |
| <i>M</i> | 195.84044 | (2000.0) | |
| <i>n</i> | 0.35309322 | ω | 354.49377 |
| <i>a</i> | 1.9824845 | Ω | 102.79529 |
| <i>e</i> | 0.3897273 | <i>i</i> | 8.29499 |
| <i>P</i> | 2.79 | <i>H</i> | 16.6 |
| | | <i>G</i> | 0.15 |
| | | <i>U</i> | 1 |
| | | <i>Q</i> | 1 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|--------------|-------|-------|------------|------|------|
| 810303 413 | 0.5- | 0.6- | 920207 658 | 0.7- | 0.3+ | 950406 104 | 0.4+ | 0.6+ |
| 911012 413 | (1.5- | 2.6+) | 920225 675 | 1.2- | 0.4- | 950407 360 | 0.6+ | 0.1+ |
| 911012 413 | (2.5+ | 0.3+) | 920225 675 | 0.1+ | 0.1+ | 950407 360 | 0.5+ | 0.1+ |
| 911208 413 | 1.0+ | 1.5+ | 920227 675 | (1.5- | 2.2-) | 950407 360 | 0.1- | 0.3+ |
| 911208 413 | 1.4+ | 0.0 | 920311 658 | 0.5- | 0.3- | 950420 608 | 0.9+ | 0.4+ |
| 920101 675 | 0.1+ | 1.8- | 920311 658 | 0.1+ | 0.3- | 950420 608 | 0.6+ | 0.5+ |
| 920101 675 | 0.5+ | 1.6- | 920312 658 | 0.4+ | 0.3- | 950423 658 | 0.4+ | 0.3- |
| 920104 675 | 0.2- | 0.3- | 920312 658 | 0.3+ | 0.6- | 950423 658 | 0.3+ | 0.2- |
| 920107 372 | 1.2- | 1.4- | 920313 658 | 1.1+ | 0.1- | 950423 658 | 0.3+ | 0.2- |
| 920107 885 | 0.1+ | 0.5+ | 920313 658 | 1.4+ | 0.1- | 950423 360 | 0.1- | 0.4- |
| 920107 885 | 1.1- | 1.5+ | Y 920524 413 | 0.3- | 0.2- | 950423 360 | 0.5- | 0.5- |
| 920107 896 | 0.7- | 0.4- | 920524 413 | 1.2- | 0.1+ | 950423 360 | 0.0 | 0.3- |
| 920107 896 | 0.4- | 1.7- | 941108 360 | 0.0 | 0.2- | 950519 658 | 0.9- | 0.2+ |
| 920109 894 | 1.2- | 0.3- | 941108 360 | 0.8- | 1.2- | 950519 658 | 1.1- | 0.2+ |
| 920110 413 | 0.5+ | 0.9+ | 941108 360 | 0.6- | 1.3- | 950519 658 | 0.4- | 0.4- |
| 920110 886 | 1.9- | 1.3- | 950228 658 | 1.2- | 0.5- | 950531 608 | 0.0 | 0.9+ |
| 920111 413 | 0.0 | 1.7+ | 950228 658 | 0.9- | 0.8- | 950531 608 | 0.4- | 0.3+ |
| 920112 413 | 0.9+ | 1.2+ | 950307 413 | 0.1- | 0.3- | 950619 413 | 0.2- | 0.8- |
| 920113 688 | 0.6+ | 0.5+ | 950307 413 | 0.2- | 0.1+ | 950619 413 | 0.3- | 0.3- |
| 920113 688 | 0.6+ | 0.4+ | 950308 360 | 0.0 | 0.2+ | 950620 413 | 0.2- | 0.5- |
| 920126 657 | 0.5+ | 0.8+ | 950308 360 | 0.5- | 0.2+ | 950620 413 | 0.4- | 0.6- |
| 920126 657 | 0.1+ | 0.1+ | 950308 360 | 0.3- | 0.2+ | 960621 413 | 0.2- | 0.2+ |
| 920204 675 | 0.1+ | 1.0- | 950328 816 | 0.2- | 0.8+ | 960621 413 | 0.3+ | 0.1- |
| 920204 675 | (2.9- | 2.9-) | 950328 816 | 0.4+ | 0.0 | 960719 413 | 0.4+ | 0.2- |
| 920205 675 | 1.2+ | 0.1- | 950328 816 | 1.5+ | 0.4+ | 960719 413 | 0.5- | 0.1- |
| 920206 801 | 0.7+ | 1.5- | 950328 816 | 0.4- | 0.7+ | 960720 711 | 0.3+ | 0.2- |
| 920206 801 | (0.9- | 3.0-) | 950401 658 | 0.8+ | 0.2- | 960720 711 | 0.2+ | 0.3- |
| 920206 658 | (7.0- | 2.5-) | 950401 658 | 0.3+ | 0.2- | 960722 711 | 0.7- | 0.9- |
| 920206 658 | 0.6- | 0.6+ | 950401 658 | 0.7+ | 0.1- | 960723 711 | 0.3+ | 0.3- |
| 920206 658 | 0.3- | 0.8+ | 950406 104 | 0.1- | 0.3- | 960723 711 | 0.6- | 0.6- |
| 920207 658 | 0.1- | 0.7+ | 950406 104 | 0.1- | 0.3+ | | | |
| 920207 658 | 0.3- | 0.7+ | 950406 104 | 0.0 | 0.5+ | | | |

(7089)* 1992 FX₁ = 1985 FT₁ = 1990 UK₁₀ = 1993 RL₈

Discovered 1992 Mar. 23 by S. Ueda and H. Kaneda at Kushiro.

Id. B. G. Marsden (*MPC* 24107)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

Marsden

| <i>M</i> | 23.47576 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.27990324 | ω 43.86657 | -0.73886585 | +0.67384361 |
| <i>a</i> | 2.3145368 | Ω 178.48505 | -0.64877495 | -0.70996727 |
| <i>e</i> | 0.1479506 | <i>i</i> 7.54355 | -0.18212173 | -0.20464910 |
| <i>P</i> | 3.52 | <i>H</i> 13.6 | <i>G</i> 0.15 | <i>U</i> 2 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 850322 688 | 1.7+ | 0.8+ | 920403 399 | 1.0- | 0.1- | 930919 809 | 1.5- | 1.4+ |
| 850322 688 | 1.0- | 1.6+ | 920403 399 | 0.8+ | 0.5- | 960614 596 | 0.1+ | 0.0 |
| 901024 809 | 0.6+ | 0.5- | 920407 399 | 1.0+ | 1.3+ | 960614 596 | 0.2+ | 0.3+ |
| 901024 809 | 0.6- | 1.0- | 920407 399 | 0.5- | 0.9+ | 960614 596 | 0.2+ | 0.1+ |
| 901024 809 | (2.0- | 2.4-) | 930914 809 | 1.1+ | 1.8+ | 960623 596 | 0.1+ | 0.1- |
| 920304 400 | 0.3- | 0.7- | 930914 809 | 0.3- | 1.0+ | 960623 596 | 0.0 | 0.3+ |
| 920304 400 | 0.1- | 1.9- | 930914 809 | 0.3- | 0.6+ | 960712 801 | 0.4- | 0.9- |
| 920323 399 | 0.4+ | 1.2+ | 930919 809 | (0.6- | 2.3+) | 960712 801 | 0.6- | 1.7- |
| 920323 399 | 0.1+ | 1.4+ | 930919 809 | 0.3- | 1.3+ | | | |

(7090)* 1992 HY₄ = 1960 WJ = 1979 MQ₉ = 1980 XK = 1993 QB₁₀

Discovered 1992 Apr. 23 by H. Debehogne at the European Southern

Observatory.

Id. K. Kinoshita (*MPC* 23339), G. V. Williams (*MPC* 23339)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

Williams

| <i>M</i> | 220.80421 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.29519189 | ω 134.77421 | +0.49358017 | -0.86717875 |
| <i>a</i> | 2.2339139 | Ω 285.54314 | +0.77728249 | +0.47398653 |
| <i>e</i> | 0.1367729 | <i>i</i> 3.93880 | +0.39014170 | +0.15276708 |
| <i>P</i> | 3.34 | <i>H</i> 13.5 | <i>G</i> 0.15 | <i>U</i> 2 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 531130 675 | 0.5+ | 0.3+ | 920501 809 | 0.7+ | 0.2+ | 930817 010 | 0.5- | 0.1- |
| 531130 675 | 0.8- | 0.3- | 920501 809 | 0.9+ | 0.1- | 930817 010 | 1.0- | 1.8+ |
| 550420 675 | 0.2- | 0.3+ | 920501 809 | 0.7+ | 0.6- | 950302 801 | 0.0 | 0.4+ |
| 550420 675 | 0.2+ | 0.2- | 920502 809 | 0.1- | 0.7+ | 950302 801 | 0.3- | 0.7+ |
| 601119 760 | 0.3- | 0.7+ | 920502 809 | 0.0 | 0.8+ | 950328 801 | 0.7- | 1.5- |
| 601119 760 | 0.5- | 0.2- | 920502 809 | 0.4+ | 0.6+ | 950328 801 | 0.6- | 1.5- |
| 790626 413 | 0.5- | 0.3- | 920503 809 | 0.6+ | 1.1+ | 950330 801 | 1.0- | 1.4- |
| 790629 413 | 1.9+ | 1.0- | 920503 809 | 1.0+ | 1.0+ | 950330 801 | 0.8- | 1.3- |
| 801210 688 | 1.5+ | 0.7+ | 920503 809 | 1.2+ | 1.0+ | 960615 801 | 0.6- | 0.8- |
| 801210 688 | 0.2+ | 0.4- | 920504 809 | 0.0 | 1.0+ | 960615 801 | 0.5- | 0.7- |
| 920423 809 | (2.5- | 1.0+) | 920504 809 | 0.1- | 0.6+ | 960712 801 | 0.4- | 1.6- |
| 920423 809 | (2.2- | 1.1+) | 920504 809 | 0.1+ | 0.8+ | 960712 801 | 1.0+ | 1.9- |
| 920423 809 | 1.9- | 1.9+ | 930817 010 | 0.8- | 1.2+ | 960720 801 | 1.5+ | 1.2- |

(7091)* 1992 JA = 1954 YO

Discovered 1992 May 1 by K. Lawrence and E. F. Helin at Palomar.

Id. E. Bowell (*MPC* 24742)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

Williams

| <i>M</i> | 55.81657 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.27442348 | ω 326.73987 | -0.89069450 | +0.30872244 |
| <i>a</i> | 2.3452467 | Ω 234.86723 | -0.27404015 | -0.95030528 |
| <i>e</i> | 0.2020034 | <i>i</i> 24.08127 | -0.36271931 | -0.04012904 |
| <i>P</i> | 3.59 | <i>H</i> 13.1 | <i>G</i> 0.15 | <i>U</i> 1 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 541221 675 | 0.1- | 0.4- | 950126 608 | 0.5+ | 0.1- | 950330 801 | 0.4- | 0.1+ |
| 541221 675 | 0.3+ | 0.8+ | 950126 608 | 1.0+ | 0.1- | 950401 801 | 1.1- | 0.2+ |
| 920501 675 | 1.0- | 0.0 | 950203 801 | 0.6+ | 0.7- | 950401 801 | 1.1+ | 1.5- |
| 920501 675 | (6.0- | 1.1-) | 950203 801 | 0.5- | 1.1- | 960616 801 | 0.2+ | 0.7- |
| 920502 675 | 0.8+ | 1.0- | 950206 670 | (0.1+ | 2.1-) | 960616 801 | 0.2- | 1.3- |
| 920531 675 | 0.8+ | 0.1+ | 950206 670 | 0.6+ | 0.3+ | 960625 608 | 0.1+ | 0.5+ |
| 920601 675 | (0.8+ | 3.2-) | 950206 670 | 0.6- | 1.7- | 960625 608 | 0.8+ | 0.1- |
| 920601 675 | 0.7+ | 0.4+ | 950208 670 | 0.9- | 0.1- | 960627 608 | 1.0+ | 0.1- |
| 920602 675 | 1.0- | 1.4+ | 950208 670 | 0.3+ | 0.8+ | 960627 608 | 1.1+ | 0.1- |
| 920602 675 | 0.8- | 0.1- | 950208 670 | 0.9+ | 1.5+ | 960628 608 | 0.7+ | 0.3+ |
| 920603 675 | 0.6+ | 1.2- | 950224 608 | 0.7+ | 0.1+ | 960628 608 | 0.5+ | 0.1- |
| 920603 675 | 1.1- | 0.5- | 950224 608 | 0.7+ | 0.2- | 960718 801 | 1.3- | 0.8- |
| 920605 675 | 1.2+ | 1.1+ | 950303 801 | 1.3- | 1.0- | 960718 801 | 1.2- | 1.0- |
| 920726 801 | 0.6- | 0.1+ | 950303 801 | 0.6- | 0.3- | 960719 801 | 0.0 | 0.3- |
| 920726 801 | 0.5- | 0.2+ | 950304 801 | 0.4- | 0.1- | 960719 801 | 0.1+ | 0.4- |
| 950120 608 | 0.9- | 0.6- | 950304 801 | 0.5- | 0.6+ | | | |
| 950120 608 | 0.9- | 0.6- | 950330 801 | 0.3- | 0.1+ | | | |

(7092)* 1992 LC

Discovered 1992 June 4 by C. S. Shoemaker at Palomar.

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

Williams

| <i>M</i> | 6.15340 | (2000.0) | P | Q |
|----------|------------|-------------------|---------------|-------------|
| <i>n</i> | 0.24658982 | ω 89.64524 | -0.83724414 | -0.47527887 |
| <i>a</i> | 2.5185618 | Ω 61.96013 | +0.29368392 | -0.80798577 |
| <i>e</i> | 0.7047355 | <i>i</i> 17.84205 | +0.46127216 | -0.34823698 |
| <i>P</i> | 4.00 | <i>H</i> 15.5 | <i>G</i> 0.15 | <i>U</i> 1 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|-------|-------|
| 920604 675 | (5.2+ | 1.7+) | 951030 658 | 1.5- | 0.2+ | 960516 801 | 0.1- | 0.2- |
| 920604 675 | (0.4+ | 4.0-) | 951030 658 | 1.0- | 0.5+ | 960516 801 | 0.1+ | 0.4- |
| 920605 675 | 1.8- | 1.9- | 951030 658 | 1.2- | 0.2+ | 960516 108 | 1.6+ | 0.9- |
| 920605 675 | (2.7- | 3.1-) | 951030 413 | 0.5- | 0.6+ | 960516 108 | 0.8+ | 0.8- |
| 920606 675 | 0.8+ | 1.5- | 951030 413 | 0.1- | 0.6+ | 960516 108 | 1.1+ | 0.9- |
| 920606 675 | 0.4- | 1.3- | 951031 413 | 0.3- | 0.7+ | 960516 108 | 0.2- | 0.6+ |
| 920623 474 | 0.6- | 0.6+ | 951031 413 | 0.4- | 0.7+ | 960521 108 | (2.4+ | 1.0-) |
| 920623 474 | 1.2- | 0.3- | 951114 587 | 0.3- | 0.5+ | 960521 108 | 1.9+ | 0.2- |
| 920625 675 | (4.1- | 1.1-) | 951114 587 | 0.1- | 0.5+ | 960521 108 | 0.9+ | 0.4- |
| 920625 675 | (0.6+ | 2.1-) | 951114 587 | 0.1- | 0.4+ | 960522 360 | 0.3+ | 0.8+ |
| 920626 675 | 0.7+ | 0.1- | 951114 587 | 0.2+ | 0.3- | 960522 360 | 0.2+ | 0.8+ |
| 920626 675 | 0.2+ | 1.2- | 951121 587 | 0.4+ | 1.0+ | 960522 360 | 0.1+ | 0.7+ |
| 920627 675 | 0.7+ | 1.8- | 951121 587 | 0.5- | 0.3+ | 960522 540 | 0.1+ | 0.7+ |
| 920627 675 | 0.3- | 0.2+ | 951130 711 | 0.1+ | 0.7+ | 960522 540 | 0.2+ | 0.8+ |
| 920628 675 | 1.2- | 1.2+ | 951130 711 | 0.0 | 0.5+ | 960522 540 | 0.0 | 0.9+ |
| 920628 675 | (0.8+ | 2.5-) | 951208 413 | 0.3+ | 0.2+ | 960522 118 | 0.3+ | 0.5+ |
| 920629 675 | 0.5- | 0.1- | 951208 413 | 0.1+ | 0.1+ | 960522 118 | 0.1+ | 1.2+ |
| 920629 675 | (1.3+ | 2.2-) | 951217 360 | 0.5+ | 0.5- | 960522 118 | 0.3+ | 0.9+ |
| 920805 413 | 0.6+ | 1.0- | 951217 360 | 0.4+ | 0.8- | 960526 413 | 0.2+ | 0.7- |

| | | | | | | | | | | | |
|--------|-----|-------|-------|--------|-----|-------|-------|--------|-----|-------|-------|
| 920805 | 413 | 0.4+ | 0.4- | 951217 | 360 | 0.7+ | 0.9- | 960526 | 413 | 0.1- | 0.6- |
| 920821 | 413 | 0.9- | 1.1+ | 951223 | 658 | 0.8- | 0.5- | 960527 | 711 | 0.2+ | 0.2- |
| 920821 | 413 | 1.0- | 1.1+ | 951223 | 658 | 0.7- | 0.7- | 960527 | 711 | 0.1+ | 0.1- |
| 920822 | 413 | 0.8- | 1.2+ | 951223 | 658 | 1.0- | 0.3- | 960527 | 711 | 0.0 | 0.0 |
| 920822 | 413 | 1.0- | 1.2+ | 951224 | 658 | 0.5- | 0.0 | 960527 | 711 | 0.1+ | 0.1- |
| 920823 | 413 | 1.2- | 1.0+ | 951224 | 658 | 0.5- | 0.3- | 960528 | 711 | 0.2+ | 0.2+ |
| 920823 | 413 | 1.0- | 1.2+ | 951224 | 658 | 0.2- | 0.3- | 960528 | 711 | 0.1+ | 0.2+ |
| 920823 | 413 | 1.7- | 1.3+ | 960109 | 413 | 0.2- | 0.2+ | 960528 | 108 | (0.1+ | 2.0+) |
| 950720 | 413 | 0.4- | 0.4- | 960109 | 413 | 0.4+ | 0.0 | 960528 | 108 | 0.2- | 1.3+ |
| 950720 | 413 | 0.3+ | 0.0 | 960121 | 711 | 0.0 | 0.1+ | 960528 | 108 | 0.4- | 0.7- |
| 950720 | 413 | 0.1+ | 0.1- | 960121 | 711 | 0.1+ | 0.0 | 960530 | 540 | 0.0 | 0.1+ |
| 950720 | 413 | 0.1- | 0.5- | 960122 | 711 | 0.1+ | 0.2+ | 960530 | 540 | 0.1+ | 0.3+ |
| 950720 | 413 | 0.6- | 0.4- | 960122 | 711 | 0.1+ | 0.2+ | 960530 | 540 | 0.5+ | 0.4+ |
| 950728 | 598 | 0.2+ | 0.3- | 960126 | 413 | 0.4- | 0.4+ | 960530 | 046 | 0.3+ | 0.3- |
| 950728 | 598 | 0.3+ | 1.0- | 960126 | 413 | 0.3- | 0.5+ | 960530 | 046 | 0.3+ | 0.1- |
| 950806 | 413 | 0.4- | 0.1+ | 960209 | 711 | 0.3+ | 0.1+ | 960530 | 046 | 0.1+ | 0.1- |
| 950806 | 413 | 0.7- | 0.4+ | 960209 | 711 | 0.3+ | 0.1+ | 960530 | 046 | 0.4+ | 0.0 |
| 950903 | 691 | (2.2- | 0.2+) | 960210 | 711 | 0.3+ | 0.2+ | 960531 | 046 | 0.2+ | 0.5+ |
| 950903 | 691 | 1.8- | 0.2+ | 960210 | 711 | 0.5+ | 0.0 | 960531 | 046 | 0.4+ | 0.4+ |
| 950903 | 691 | 1.9- | 0.1+ | 960310 | 360 | 0.8+ | 0.5+ | 960531 | 046 | 0.3+ | 0.1- |
| 950907 | 413 | 0.6- | 0.3+ | 960310 | 360 | 0.3+ | 0.1- | 960531 | 046 | 0.6+ | 0.2+ |
| 950907 | 413 | 0.7- | 0.1+ | 960310 | 360 | 0.6+ | 0.4+ | 960606 | 360 | 0.3- | 0.2- |
| 950921 | 711 | 0.3+ | 0.7- | 960417 | 540 | (3.3+ | 1.2+) | 960606 | 360 | 0.3- | 0.5- |
| 950921 | 711 | 0.8+ | 0.3- | 960417 | 540 | 1.4+ | 0.7+ | 960606 | 360 | 0.4- | 0.3- |
| 951003 | 360 | 0.9+ | 0.4+ | 960417 | 540 | 1.2+ | 0.4+ | 960606 | 540 | 0.3- | 0.1- |
| 951003 | 360 | 0.5+ | 0.2+ | 960425 | 381 | 0.1- | 0.7+ | 960606 | 540 | 0.1- | 0.2- |
| 951006 | 118 | 0.0 | 0.3+ | 960425 | 381 | 0.1+ | 0.6+ | 960606 | 540 | 0.3- | 0.2- |
| 951008 | 104 | 0.1- | 0.1- | 960501 | 540 | 0.7- | 0.0 | 960608 | 413 | 0.7- | 0.2+ |
| 951008 | 104 | 0.3+ | 0.4- | 960501 | 540 | 0.9- | 0.2+ | 960608 | 413 | 0.7- | 0.3+ |
| 951008 | 104 | 0.9+ | 0.2- | 960501 | 540 | 0.7- | 0.3+ | 960613 | 540 | 0.8- | 0.8+ |
| 951013 | 046 | 0.4+ | 1.7+ | 960501 | 540 | 0.1- | 0.6+ | 960613 | 540 | 0.2+ | 0.0 |
| 951013 | 046 | 1.2+ | 1.5+ | 960502 | 540 | 0.2+ | 0.0 | 960613 | 540 | 0.1+ | 0.2+ |
| 951013 | 046 | 0.9+ | 1.4+ | 960502 | 540 | 0.1+ | 0.3- | 960615 | 801 | 0.3- | 0.0 |
| 951013 | 046 | 0.8+ | 1.8+ | 960502 | 540 | 0.1- | 0.8+ | 960615 | 801 | 0.4- | 0.0 |
| 951017 | 360 | 0.2+ | 0.8+ | 960502 | 540 | 0.6- | 0.5- | 960615 | 360 | 0.7- | 0.4- |
| 951017 | 360 | 0.4+ | 0.6+ | 960504 | 540 | 0.5+ | 0.6+ | 960615 | 360 | 0.7- | 0.4- |
| 951017 | 587 | 0.9- | 0.3+ | 960504 | 540 | 0.2- | 0.2+ | 960615 | 360 | 0.6- | 0.4- |
| 951018 | 587 | 0.4- | 0.4+ | 960504 | 540 | 0.5- | 0.7+ | 960617 | 118 | 1.7- | 1.6+ |
| 951019 | 118 | 0.7+ | 0.3+ | 960504 | 540 | 0.5- | 0.3+ | 960617 | 118 | 1.4- | 1.4+ |
| 951020 | 413 | 0.0 | 0.7+ | 960506 | 540 | 0.1- | 0.5+ | 960621 | 711 | 0.3- | 0.3- |
| 951020 | 413 | 0.0 | 0.4+ | 960506 | 540 | 0.2- | 0.4+ | 960621 | 711 | 0.4- | 0.4- |
| 951020 | 587 | 0.5- | 0.8+ | 960506 | 540 | 0.3- | 0.4+ | 960621 | 413 | 0.0 | 0.9- |
| 951020 | 587 | 0.3- | 0.6+ | 960506 | 540 | 0.1+ | 0.9+ | 960621 | 413 | 0.1+ | 0.8- |
| 951021 | 587 | 0.3- | 0.0 | 960506 | 118 | 0.1+ | 0.6+ | 960625 | 711 | 0.6+ | 0.4+ |
| 951021 | 118 | 0.4- | 0.1- | 960506 | 118 | 0.0 | 0.6+ | 960625 | 711 | 0.8+ | 0.4+ |
| 951023 | 587 | 1.5- | 1.5+ | 960509 | 360 | 0.2- | 0.2- | 960715 | 360 | 0.1- | 0.4+ |
| 951023 | 587 | 1.6- | 0.3+ | 960509 | 360 | 0.5- | 0.0 | 960715 | 360 | 0.2+ | 0.4+ |
| 951024 | 711 | 0.3- | 0.6- | 960509 | 360 | 0.4- | 0.1- | 960715 | 360 | 0.2+ | 0.5+ |
| 951024 | 711 | 0.1+ | 0.1- | 960509 | 121 | 1.7- | 0.7+ | 960718 | 413 | 0.4- | 0.2- |
| 951025 | 711 | 0.2- | 0.3- | 960509 | 121 | 1.5- | 0.7+ | 960718 | 413 | 0.3- | 0.1- |
| 951025 | 711 | 0.1+ | 0.3- | 960509 | 121 | 1.7- | 0.8+ | 960720 | 711 | 0.6- | 0.1+ |

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|-----|
| 951029 | 413 | 0.4- | 0.4+ | 960509 | 121 | 1.5- | 0.4+ | 960720 | 711 | 0.7- | 0.0 |
| 951029 | 413 | 0.4- | 0.6+ | 960516 | 801 | 0.1+ | 0.3- | | | | |

(7093)* 1992 OT = 1977 RV₁ = 1991 EA₃

Discovered 1992 July 26 by E. F. Helin at Palomar.

Id. G. V. Williams (*MPC* 20934)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | (2000.0) | | P | | Q | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>M</i> | 330.24007 | | | | | | |
| <i>n</i> | 0.25886780 | ω | 166.24537 | +0.82539288 | +0.55900525 | | |
| <i>a</i> | 2.4382825 | Ω | 159.16918 | -0.53670951 | +0.82036089 | | |
| <i>e</i> | 0.2065042 | <i>i</i> | 12.83422 | -0.17512708 | +0.12050372 | | |
| <i>P</i> | 3.81 | <i>H</i> | 13.5 | <i>G</i> | 0.15 | <i>U</i> | 2 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|-------|-------|--------|-----|------|------|--------|-----|------|------|
| 770908 | 675 | 0.3- | 1.8- | 920726 | 675 | 0.2+ | 2.0+ | 960620 | 691 | 1.0- | 0.5+ |
| 770908 | 095 | (5.0- | 9.2+) | 920728 | 675 | 0.1+ | 0.8- | 960628 | 608 | 0.1+ | 0.6- |
| 770909 | 675 | 0.6+ | 1.4- | 920728 | 675 | 0.1- | 0.2+ | 960628 | 608 | 0.1- | 0.2+ |
| 910311 | 809 | 0.3- | 0.8- | 920829 | 675 | 0.5+ | 0.3- | 960709 | 608 | 0.6+ | 0.4- |
| 910311 | 809 | 0.3- | 0.9- | 920829 | 675 | 1.2- | 1.0+ | 960709 | 608 | 0.6+ | 0.2- |
| 910311 | 809 | 0.0 | 0.8- | 950224 | 691 | 0.5- | 0.2+ | 960718 | 801 | 0.4+ | 0.7- |
| 910313 | 809 | 0.1+ | 1.1- | 950224 | 691 | 0.7- | 0.0 | 960718 | 801 | 0.4+ | 0.7- |
| 910313 | 809 | 0.5+ | 1.1- | 950224 | 691 | 0.6- | 0.1- | 960720 | 801 | 0.4+ | 0.9- |
| 910313 | 809 | 0.6+ | 0.9- | 960620 | 691 | 1.0- | 0.5+ | 960720 | 801 | 0.3+ | 0.5- |
| 920726 | 675 | 1.0+ | 0.3- | 960620 | 691 | 1.2- | 0.6+ | | | | |

(7094)* 1992 RJ = 1990 EA₆

Discovered 1992 Sept. 4 by T. Seki at Geisei.

Id. K. Ichikawa (*MPC* 21114)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | (2000.0) | | P | | Q | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>M</i> | 243.57977 | | | | | | |
| <i>n</i> | 0.21224173 | ω | 222.62961 | +0.86133691 | -0.50681052 | | |
| <i>a</i> | 2.7834422 | Ω | 167.67883 | +0.49916528 | +0.83135752 | | |
| <i>e</i> | 0.1644543 | <i>i</i> | 9.50539 | +0.09451325 | +0.22800827 | | |
| <i>P</i> | 4.64 | <i>H</i> | 12.7 | <i>G</i> | 0.15 | <i>U</i> | 1 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|-------|-------|--------|-----|------|------|
| 900301 | 809 | 0.1- | 0.7- | 920904 | 372 | (1.7+ | 2.4-) | 950406 | 372 | 0.3- | 0.5- |
| 900301 | 809 | 0.0 | 0.6- | 920905 | 372 | 1.8- | 0.1- | 950406 | 372 | 1.1- | 0.9+ |
| 900301 | 809 | 0.2+ | 0.6- | 920905 | 372 | 0.0 | 1.3+ | 960610 | 596 | 0.2+ | 0.5- |
| 900302 | 809 | 0.3+ | 1.2+ | 940109 | 104 | 0.4+ | 0.1+ | 960610 | 596 | 0.2+ | 0.4- |
| 900302 | 809 | 0.2+ | 1.3+ | 940109 | 104 | 1.3+ | 0.2+ | 960718 | 801 | 0.0 | 0.4- |
| 900302 | 809 | 0.5+ | 1.1+ | 940109 | 104 | 0.3- | 0.5+ | 960718 | 801 | 0.1+ | 0.2- |
| 920901 | 894 | 1.2+ | 0.2- | 940207 | 372 | 1.1- | 1.4- | 960719 | 801 | 0.4+ | 0.3- |
| 920901 | 894 | 0.5- | 1.5+ | 940207 | 372 | (2.6- | 0.5-) | 960719 | 801 | 0.1+ | 0.6+ |
| 920903 | 894 | 0.1- | 0.7- | 950306 | 372 | 0.3+ | 0.2+ | | | | |
| 920903 | 894 | 0.4+ | 0.1- | 950306 | 372 | 0.2- | 0.4+ | | | | |

(7095)* 1992 SB₂₂ = 1984 BL₄ = 9513 P-L

Discovered 1992 Sept. 22 by E. W. Elst at the European Southern

Observatory.

Id. E. Bowell (*MPC* 25067), G. V. Williams (*MPC* 27445)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M 269.61859 | | (2000.0) | | Williams | | Q | |
|-------------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>n</i> | 0.18525087 | ω | 200.80062 | +0.77873998 | +0.62573041 | | |
| <i>a</i> | 3.0476321 | Ω | 120.38285 | -0.56795899 | +0.73367151 | | |
| <i>e</i> | 0.1122964 | <i>i</i> | 2.99049 | -0.26643315 | +0.26492935 | | |
| <i>P</i> | 5.32 | <i>H</i> | 14.2 | <i>G</i> | 0.15 | <i>U</i> | 1 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 601017 675 | 1.8- | 1.2+ | 920923 809 | 0.4+ | 0.0 | 960516 691 | 0.3+ | 0.4+ |
| 601022 675 | 0.1+ | 1.2- | 920923 809 | 0.7+ | 0.7+ | 960516 691 | 0.7+ | 0.5+ |
| 601024 675 | 1.9+ | 0.7- | 920923 809 | 0.8+ | 0.3+ | 960516 691 | 0.3+ | 0.6+ |
| 601026 675 | 0.3+ | 0.3- | 920929 691 | 0.3- | 0.7+ | 960520 691 | 1.1- | 0.3- |
| 840125 675 | 0.2+ | 0.5+ | 920929 691 | 0.1- | 0.1+ | 960520 691 | 0.8- | 0.1+ |
| 840126 675 | 0.3- | 1.0- | 920929 691 | 0.5+ | 0.1+ | 960520 691 | 1.1- | 0.1- |
| 920922 809 | 0.4- | 0.1- | 960516 691 | 0.1- | 0.3- | 960610 809 | 0.4+ | 0.2- |
| 920922 809 | 0.7- | 0.1- | 960516 691 | 0.0 | 0.2- | 960610 809 | 0.5+ | 0.5- |
| 920922 809 | 1.1- | 1.5- | 960516 691 | 0.2+ | 0.2+ | 960610 809 | 0.6+ | 0.9- |

(7096)* 1992 VM

Discovered 1992 Nov. 3 by R. H. McNaught at Siding Spring.

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M 269.31471 | | (2000.0) | | Williams | | Q | |
|-------------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>n</i> | 0.21283401 | ω | 254.85555 | +0.71250653 | -0.69444970 | | |
| <i>a</i> | 2.7782758 | Ω | 148.92322 | +0.69496572 | +0.67872570 | | |
| <i>e</i> | 0.5037932 | <i>i</i> | 11.21228 | +0.09673206 | +0.23889544 | | |
| <i>P</i> | 4.63 | <i>H</i> | 15.3 | <i>G</i> | 0.15 | <i>U</i> | 1 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 840401 413 | 2.2- | 0.8- | 930119 801 | 0.3+ | 0.7+ | 940320 413 | 0.0 | 0.2+ |
| 840402 413 | 2.1+ | 1.0- | 930119 801 | 0.3+ | 0.0 | 940322 413 | 0.8+ | 0.1- |
| 921103 413 | 0.4+ | 0.0 | 930126 801 | 0.5- | 0.9+ | 940322 413 | 0.6- | 0.1- |
| 921103 413 | 1.0- | 0.5- | 930126 801 | 0.1+ | 0.1+ | 940502 413 | 0.4+ | 0.1- |
| 921107 413 | 1.0+ | 0.2- | 930225 801 | 0.6- | 0.1- | 940502 413 | 0.6+ | 0.4- |
| 921124 413 | 1.8+ | 1.4- | 930225 801 | 0.3+ | 0.7- | 960624 709 | 1.4+ | 1.9+ |
| 921125 413 | 0.3+ | 0.3+ | 930226 801 | 0.8+ | 0.0 | 960624 709 | 0.4- | 1.8+ |
| 921128 413 | 0.1+ | 0.1- | 930226 801 | 0.1+ | 0.3- | 960624 709 | 0.5- | 2.4+ |
| 921130 413 | 1.1+ | 1.0- | 930226 658 | 0.2+ | 0.3- | 960624 709 | 0.2+ | 2.2+ |
| 921209 413 | 0.8- | 0.4- | 930226 658 | 0.4+ | 0.2- | 960625 696 | 1.0+ | 0.7- |
| 921209 413 | 0.7- | 0.6- | 930226 658 | 0.9- | 0.6- | 960625 696 | 0.9+ | 0.4- |
| 921212 413 | 0.7- | 0.2+ | 930226 658 | 0.3+ | 0.1- | 960625 696 | 0.2+ | 1.5- |
| 921212 413 | 0.7- | 0.4+ | 930301 413 | 0.4+ | 0.3+ | 960626 696 | 1.0- | 1.0- |
| 921222 801 | 0.1+ | 1.7+ | 930301 413 | 0.1+ | 0.4+ | 960626 696 | 0.2- | 1.0- |
| 921222 801 | 0.1+ | 1.8+ | 930301 413 | 1.2+ | 0.2- | 960707 658 | 1.0- | 0.1+ |
| 921227 801 | 0.5- | 0.8- | 930302 413 | 0.2- | 0.9- | 960707 658 | 0.2+ | 0.3- |
| 921227 801 | 0.4- | 0.1- | 930302 413 | 0.4+ | 0.2+ | 960707 658 | 0.4+ | 0.1- |
| 930104 413 | 0.3- | 0.3+ | 930303 413 | 0.5+ | 0.1+ | 960708 608 | 0.6+ | 1.0- |
| 930104 413 | 0.5- | 0.0 | 930303 413 | 0.1+ | 0.4+ | 960708 608 | 0.4- | 0.5+ |
| 930105 413 | 0.3- | 0.2+ | 930323 801 | 0.8- | 0.2+ | 960719 413 | 0.2- | 0.4- |
| 930105 413 | 0.2- | 0.5+ | 930323 801 | 0.6- | 0.6+ | 960722 608 | 0.8- | 1.0- |
| 930106 413 | 0.0 | 0.4+ | 930511 413 | 0.0 | 0.4- | 960722 608 | 0.8- | 0.5- |
| 930106 413 | 0.8- | 0.6- | 930511 413 | 1.1- | 0.7- | | | |
| 930106 413 | 0.0 | 0.6+ | 940320 413 | 0.4- | 0.1- | | | |

(7097)* 1993 TF = 1971 TU₁ = 1982 UO₁ = 1991 EK₆

Discovered 1993 Oct. 8 by H. Abe and S. Miyasaka at Yatsuka.

Id. T. Kobayashi (MPC 22693)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M 229.52475 | | (2000.0) | | Williams | | Nakano | |
|-------------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>n</i> | 0.26813338 | ω | 324.08532 | +0.62194498 | -0.78245448 | | |
| <i>a</i> | 2.3817826 | Ω | 87.43597 | +0.72544928 | +0.56092686 | | |
| <i>e</i> | 0.1875733 | <i>i</i> | 1.76749 | +0.29480127 | +0.27041826 | | |
| <i>P</i> | 3.68 | <i>H</i> | 13.9 | <i>G</i> | 0.15 | <i>U</i> | 1 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 711012 095 | (6.2+ | 7.5-) | 931013 675 | (2.7+ | 1.3-) | 950404 367 | 0.7- | 0.2+ |
| 821016 046 | 0.4- | 1.0- | 931013 675 | 0.9+ | 0.2+ | 950404 367 | 1.0- | 0.1- |
| 821016 046 | 0.5+ | 1.3- | 931014 675 | 0.6- | 0.8- | 950419 367 | 0.3+ | 0.3+ |
| 821020 046 | 0.4+ | 1.3- | 931014 675 | 0.1- | 0.4- | 950419 367 | 0.7+ | 0.2+ |
| 821020 046 | 1.1+ | 0.8- | 931014 367 | 0.2+ | 0.8+ | 950420 367 | 0.3+ | 0.4- |
| 821021 046 | 0.2+ | 0.4+ | 931014 367 | 0.5- | 0.3+ | 950420 367 | 0.0 | 1.2- |
| 821021 046 | (4.9+ | 0.7+) | 931015 675 | 0.2- | 0.2+ | 950428 367 | 0.4- | 1.4- |
| 910305 071 | 0.6+ | 0.2+ | 931022 367 | 0.4- | 0.2+ | 950428 367 | 0.1- | 1.2- |
| 910305 071 | 1.3- | 0.2+ | 931022 367 | 0.0 | 0.1- | 950505 367 | 0.0 | 1.3- |
| 931008 367 | 0.9+ | 1.6- | 931114 367 | (1.5+ | 2.4+) | 950505 367 | 0.3+ | 1.9- |
| 931008 367 | 0.1- | 0.1+ | 931114 367 | (2.6+ | 1.6+) | 960524 367 | 0.3+ | 0.6- |
| 931009 367 | 0.2- | 0.1- | 931115 367 | (0.2- | 2.2+) | 960524 367 | 0.6+ | 0.7+ |
| 931009 367 | 0.8- | 0.1- | 931115 367 | 0.8+ | 0.9+ | 960525 367 | 0.2+ | 0.5- |
| 931011 809 | (0.4+ | 2.6-) | 950326 367 | 0.1- | 0.6+ | 960525 367 | 0.3+ | 0.7+ |
| 931011 809 | (0.2- | 2.5-) | 950326 367 | 0.2+ | 0.6+ | 960720 360 | 0.5- | 0.4+ |
| 931011 809 | (0.8- | 2.8-) | 950326 367 | 0.2- | 0.3+ | 960720 360 | 0.4- | 0.1- |
| 931011 367 | 1.0+ | 0.0 | 950326 367 | 1.2+ | 0.7+ | 960720 360 | 0.6- | 0.7- |
| 931011 367 | 1.0- | 1.3+ | 950404 367 | 1.3- | 0.3- | | | |

(7098)* 1993 TK₃₉ = 1970 KG = 1987 JD = 1991 GD₁₂ = 1995 AU₄

Discovered 1993 Oct. 9 by E. W. Elst at the European Southern Observatory.

Id. G. V. Williams (MPC 25069)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M 47.54392 | | (2000.0) | | Williams | | Q | |
|------------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>n</i> | 0.22939261 | ω | 84.09809 | -0.93495866 | +0.34317993 | | |
| <i>a</i> | 2.6429144 | Ω | 115.94440 | -0.35198859 | -0.86580011 | | |
| <i>e</i> | 0.2090075 | <i>i</i> | 5.73699 | -0.04423049 | -0.36416714 | | |
| <i>P</i> | 4.30 | <i>H</i> | 13.3 | <i>G</i> | 0.15 | <i>U</i> | 1 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 700531 095 | 0.4+ | 1.1- | 931011 809 | 1.1- | 0.0 | 950130 033 | 0.1+ | 0.4- |
| 700611 095 | 0.5- | 1.8- | 931021 809 | (0.2+ | 2.5-) | 950202 033 | 0.5- | 0.1- |
| 870502 675 | 0.1+ | 0.4- | 931021 809 | 0.3- | 1.6- | 960617 566 | 0.2- | 0.0 |
| 870502 675 | 2.1- | 0.6+ | 931021 809 | 1.0- | 2.0- | 960617 566 | 0.5- | 0.2+ |
| 910402 372 | (0.5+ | 2.2-) | 950105 033 | 0.8+ | 0.7- | 960617 566 | 0.8- | 0.2+ |
| 910402 372 | 1.4+ | 0.1- | 950106 033 | 0.0 | 0.2- | 960712 801 | 0.4+ | 0.2- |
| 931009 809 | (3.0+ | 0.0) | 950108 033 | 0.8- | 0.6+ | 960712 801 | 0.5+ | 0.1+ |
| 931009 809 | 1.4+ | 0.5+ | 950130 691 | 0.3- | 0.4- | 960720 801 | 0.3+ | 0.2- |
| 931009 809 | 1.1+ | 1.3+ | 950130 691 | 0.1- | 0.3- | 960720 801 | 1.4+ | 0.3+ |
| 931011 809 | 0.4+ | 0.4- | 950130 691 | 0.4- | 0.5- | | | |
| 931011 809 | 0.1- | 0.7- | 950130 033 | 0.9+ | 0.2- | | | |

(7099)* 1996 HX₂₅ = 1978 EE₁ = 1979 HR = 1981 VV₂ = 1986 RM₁₇ = 1991 NE₅

Discovered 1996 Apr. 20 by E. W. Elst at the European Southern Observatory.

Id. K. Ichikawa (*MPC* 27452)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M | | P | | Q | |
|-----------|------------|----------|-----------|-------------|-------------|
| 348.41176 | | (2000.0) | | Williams | |
| <i>n</i> | 0.17557035 | ω | 151.20324 | -0.46998416 | +0.88181456 |
| <i>a</i> | 3.1586531 | Ω | 90.73975 | -0.81712121 | -0.41796313 |
| <i>e</i> | 0.1207696 | <i>i</i> | 2.23305 | -0.33380805 | -0.21842596 |
| <i>P</i> | 5.61 | <i>H</i> | 12.6 | <i>G</i> | 0.15 |
| | | | | <i>U</i> | 1 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|-------|-------|
| 780305 095 | 0.2- | 1.6+ | 910711 809 | 1.2- | 1.2+ | 960515 566 | (1.1- | 3.1+) |
| 790419 807 | 0.1- | 0.5+ | 910711 809 | 0.9- | 1.7+ | 960515 566 | 0.5- | 0.4- |
| 790426 807 | 1.2+ | 1.2- | 950207 691 | 0.4+ | 0.3+ | 960515 566 | (0.5- | 3.1+) |
| 790426 807 | 1.0- | 0.0 | 950207 691 | 0.5+ | 0.3- | 960515 566 | 0.6- | 0.2- |
| 811103 033 | 0.5- | 0.0 | 950207 691 | 0.2+ | 0.3- | 960515 566 | (0.8- | 3.1+) |
| 811103 033 | 0.5- | 0.4- | 960420 809 | 0.4+ | 0.0 | 960515 566 | 1.0- | 0.1- |
| 860912 095 | 0.9+ | 1.0- | 960420 809 | 0.7- | 0.1+ | 960615 566 | 0.3- | 0.0 |
| 910710 809 | 0.9+ | 0.3- | 960420 809 | 1.1- | 0.2- | 960615 566 | 0.7- | 0.4- |
| 910710 809 | 1.3+ | 0.3- | 960421 809 | 1.8+ | 0.1- | 960615 566 | 0.6- | 0.4- |
| 910710 809 | 1.6+ | 0.3- | 960421 809 | 1.0+ | 0.6+ | | | |
| 910711 809 | 1.2- | 1.0+ | 960421 809 | 0.5+ | 0.7+ | | | |

(7100)* 1360 T-2 = 1978 UG₈

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

Id. E. Bowell (*MPC* 20832)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M | | P | | Q | |
|-----------|------------|----------|-----------|-------------|-------------|
| 276.92544 | | (2000.0) | | Spahr | |
| <i>n</i> | 0.20320875 | ω | 113.72397 | +0.71157549 | +0.70256295 |
| <i>a</i> | 2.8653287 | Ω | 201.64592 | -0.65236509 | +0.65636429 |
| <i>e</i> | 0.0913884 | <i>i</i> | 1.25836 | -0.26092166 | +0.27493858 |
| <i>P</i> | 4.85 | <i>H</i> | 14.0 | <i>G</i> | 0.15 |
| | | | | <i>U</i> | 1 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|-------|-------|
| 730919 675 | 1.3- | 0.7- | 731005 675 | 1.2- | 0.9- | 950221 691 | 1.1- | 0.3- |
| 730919 675 | 0.7+ | 0.4- | 731005 675 | 0.5+ | 1.9- | 950221 691 | 0.4- | 0.5- |
| 730920 675 | 0.1+ | 0.4- | 781027 675 | 0.1- | 1.3+ | 950221 691 | 0.4- | 0.5- |
| 730924 675 | 0.2- | 0.5+ | 781028 675 | 0.4+ | 0.5+ | 950301 691 | 1.0- | 0.4- |
| 730924 675 | 0.9- | 0.3- | 781029 675 | 0.4+ | 2.0+ | 950301 691 | 0.9- | 1.1- |
| 730925 675 | (0.3- | 2.8-) | 781128 675 | 0.1+ | 0.4+ | 950301 691 | 1.1- | 1.0- |
| 730925 675 | 0.7+ | 1.1- | 781129 675 | 0.3- | 0.3+ | 950307 691 | 1.0- | 1.1- |
| 730929 675 | 1.0- | 0.2+ | 910415 675 | 0.1+ | 0.3- | 950307 691 | 0.8- | 0.2- |
| 730929 675 | 1.2+ | 0.0 | 910415 675 | 1.8- | 1.6- | 950307 691 | 0.7- | 0.7- |
| 730929 675 | 0.5- | 0.7+ | 920724 809 | 0.9+ | 0.8- | 960418 809 | (1.5- | 3.0-) |
| 730929 675 | 0.1+ | 0.8+ | 920724 809 | 0.1+ | 1.5- | 960418 809 | (1.9- | 2.8-) |
| 730930 675 | 1.1+ | 0.1- | 920724 809 | 1.0- | 1.7- | 960418 809 | (2.4- | 2.7-) |
| 730930 675 | 0.1+ | 0.6- | 920726 809 | 0.6- | 0.8- | 960420 809 | 0.6- | 1.3+ |
| 730930 675 | 1.6+ | 0.2+ | 920726 809 | 0.4- | 0.2+ | 960420 809 | 0.6- | 0.7- |
| 730930 675 | 1.0+ | 1.0- | 920726 809 | 1.0+ | 0.6+ | 960420 809 | 0.5- | 0.1- |
| 731004 675 | 0.2- | 0.5- | 920730 809 | 1.5- | 0.5+ | 960519 809 | 1.3+ | 0.4- |
| 731004 675 | 1.7+ | 0.9- | 920730 809 | 0.6- | 0.4+ | 960519 809 | 0.9+ | 0.3- |
| 731004 675 | 1.0- | 0.3- | 920730 809 | 1.1- | 0.1- | 960519 809 | 1.2+ | 0.7- |
| 731004 675 | 1.0+ | 0.7- | 931217 691 | 1.0+ | 0.8+ | 960522 809 | 1.8+ | 0.1- |
| 731005 675 | 0.4- | 1.4- | 931217 691 | 0.8+ | 0.6+ | 960522 809 | 1.0+ | 0.3- |
| 731005 675 | 0.0 | 0.8- | 931217 691 | 1.1+ | 0.9+ | 960522 809 | 1.2+ | 0.0 |

1973 SG₅ = 1984 WQ₄ = 1996 BL₁

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M | | P | | Q | |
|-----------|------------|----------|-----------|-------------|-------------|
| 152.98612 | | (2000.0) | | Kobayashi | |
| <i>n</i> | 0.27722399 | ω | 253.93217 | +0.71862375 | +0.69441662 |
| <i>a</i> | 2.3294256 | Ω | 62.07004 | -0.62096313 | +0.66471464 |
| <i>e</i> | 0.2602658 | <i>i</i> | 2.39703 | -0.31302507 | +0.27557216 |
| <i>P</i> | 3.56 | <i>H</i> | 14.8 | <i>G</i> | 0.15 |
| | | | | <i>U</i> | 4 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 730919 675 | 0.1- | 0.2- | 730925 675 | (2.6+ | 3.5-) | 960125 709 | 1.4+ | 0.0 |
| 730919 675 | 0.6+ | 0.5- | 730927 095 | 0.8+ | 0.3+ | 960125 709 | 0.8- | 0.0 |
| 730920 675 | 0.1- | 0.0 | 841120 010 | 0.0 | 0.0 | 960125 709 | 0.3- | 0.3+ |
| 730924 675 | 0.2+ | 0.2- | 960121 709 | 0.6+ | 0.3- | 960127 709 | 0.5- | 0.2- |
| 730924 675 | 1.4- | 0.5+ | 960121 709 | 0.6+ | 0.1- | 960127 709 | 0.2- | 0.1- |
| 730925 675 | (0.5+ | 3.2-) | 960125 709 | 0.0 | 0.5+ | 960127 709 | 0.8- | 0.2- |

1975 SM₁ = 1990 QO₁₀ = 1996 FE₁₃

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M | | P | | Q | |
|-----------|------------|----------|-----------|-------------|-------------|
| 158.22211 | | (2000.0) | | Kobayashi | |
| <i>n</i> | 0.26091074 | ω | 219.62062 | +0.96472200 | -0.26238709 |
| <i>a</i> | 2.4255380 | Ω | 155.56543 | +0.25283090 | +0.90053359 |
| <i>e</i> | 0.2219021 | <i>i</i> | 2.98648 | +0.07340293 | +0.34668755 |
| <i>P</i> | 3.78 | <i>H</i> | 16.2 | <i>G</i> | 0.15 |
| | | | | <i>U</i> | 5 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 750930 675 | 0.0 | 1.2- | 900816 809 | 1.2+ | 0.7+ | 960326 691 | 0.8- | 0.1- |
| 751002 675 | 0.9+ | 1.3- | 900816 809 | 1.3- | 0.3- | 960326 691 | 0.6- | 0.2- |
| 751015 675 | 1.3- | 1.1+ | 960318 691 | 0.7+ | 0.1+ | 960326 691 | 0.7- | 0.2- |
| 751016 675 | 0.5+ | 1.0+ | 960318 691 | 0.6+ | 0.2- | | | |
| 900816 809 | (2.8+ | 3.3+) | 960318 691 | 0.6+ | 0.5+ | | | |

1975 SU₁ = 1996 HW₁₅

Id. T. Kobayashi

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M | | P | | Q | |
|----------|------------|----------|-----------|-------------|-------------|
| 37.60539 | | (2000.0) | | Spahr | |
| <i>n</i> | 0.16873085 | ω | 1.25928 | -0.99614710 | -0.08765556 |
| <i>a</i> | 3.2434439 | Ω | 173.71001 | +0.08024197 | -0.92357627 |
| <i>e</i> | 0.1123667 | <i>i</i> | 1.42818 | +0.03538616 | -0.37326046 |
| <i>P</i> | 5.84 | <i>H</i> | 13.0 | <i>G</i> | 0.15 |
| | | | | <i>U</i> | 6 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 750930 675 | 0.2- | 0.2- | 960418 809 | 1.6- | 0.2+ | 960519 809 | 0.9+ | 1.2+ |
| 751001 675 | 0.9- | 0.8- | 960418 809 | 1.7- | 0.2+ | 960519 809 | 1.8+ | 0.7+ |
| 751002 675 | 0.1+ | 0.8- | 960420 809 | 0.4- | 0.3- | 960522 809 | 1.2+ | 0.6- |
| 751015 675 | 0.2+ | 0.5+ | 960420 809 | 0.7- | 1.2- | 960522 809 | 0.4+ | 0.6- |
| 751016 675 | 1.0+ | 0.7+ | 960420 809 | 0.8- | 1.4- | 960522 809 | 0.4+ | 0.9- |
| 960418 809 | 0.6- | 1.0+ | 960519 809 | 0.9+ | 1.1+ | | | |

1978 SQ₇ = 1996 HL₂₃

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M | | P | | Q | |
|-----------|------------|----------|-----------|-------------|-------------|
| 242.18319 | | (2000.0) | | Kobayashi | |
| <i>n</i> | 0.26084956 | ω | 158.93755 | +0.99963082 | +0.00492285 |
| <i>a</i> | 2.4259172 | Ω | 200.83414 | -0.01352510 | +0.94310106 |
| <i>e</i> | 0.1921971 | <i>i</i> | 4.30860 | +0.02356456 | +0.33246979 |
| <i>P</i> | 3.78 | <i>H</i> | 14.2 | <i>G</i> | 0.15 |
| | | | | <i>U</i> | 6 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 780926 095 | 1.0- | 0.3+ | 960420 809 | 1.1+ | 0.4+ | 960421 809 | 0.2- | 0.2- |
| 781002 095 | 2.2+ | 0.1- | 960420 809 | 0.7+ | 0.2+ | 960421 809 | 1.6- | 0.3+ |
| 781008 095 | 1.3- | 0.2- | 960420 809 | 0.8+ | 0.3+ | 960421 809 | 0.8- | 1.1- |

1978 VM₇ = 1996 AZ₁₈

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

Kobayashi

| | | | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 175.89568 | | (2000.0) | P | Q |
| <i>n</i> | 0.24374715 | ω | 88.83647 | +0.86170056 | +0.49776475 |
| <i>a</i> | 2.5381056 | Ω | 241.30386 | -0.49866609 | +0.79483351 |
| <i>e</i> | 0.2890665 | <i>i</i> | 6.44750 | -0.09383113 | +0.34708781 |
| <i>P</i> | 4.04 | <i>H</i> | 15.6 | <i>G</i> | 0.15 |
| | | | | <i>U</i> | 4 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------|-------|------------|------|------|
| 781105 675 | 0.4+ | 0.2- | 781130 675 | (5.5+ | 1.4+) | 960121 691 | 0.0 | 0.2+ |
| 781107 675 | 1.1- | 0.1- | 960115 691 | 0.2- | 0.2- | 960121 691 | 0.1+ | 0.1+ |
| 781108 675 | 0.7+ | 0.4+ | 960115 691 | 0.3- | 0.1+ | 960121 691 | 0.5+ | 0.1- |
| 781129 675 | 0.0 | 0.1- | 960115 691 | 0.1- | 0.1- | | | |

1979 OV₄ = 1995 UW₂₀

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

Ichikawa

| | | | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 280.26901 | | (2000.0) | P | Q |
| <i>n</i> | 0.19852629 | ω | 192.18229 | -0.86533420 | -0.50109542 |
| <i>a</i> | 2.9102080 | Ω | 317.74039 | +0.46107749 | -0.78808486 |
| <i>e</i> | 0.0822938 | <i>i</i> | 0.85245 | +0.19647968 | -0.35752711 |
| <i>P</i> | 4.96 | <i>H</i> | 13.4 | <i>G</i> | 0.15 |
| | | | | <i>U</i> | 6 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 790724 675 | 1.2+ | 0.2+ | 951019 691 | 0.3+ | 0.5- | 951022 691 | 0.3- | 0.7+ |
| 790724 413 | 0.7- | 1.6- | 951019 691 | 0.3+ | 0.5- | 951022 691 | 0.2- | 0.2+ |
| 790725 675 | 0.1+ | 0.8+ | 951019 691 | 0.2+ | 0.4- | | | |
| 790727 675 | 0.6- | 0.6+ | 951022 691 | 0.3- | 0.6+ | | | |

1979 OZ₉ = 1995 UE₂₆

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

Ichikawa

| | | | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 132.01234 | | (2000.0) | P | Q |
| <i>n</i> | 0.31372028 | ω | 111.26616 | +0.23606819 | +0.97167628 |
| <i>a</i> | 2.1450676 | Ω | 172.36421 | -0.91900759 | +0.22686188 |
| <i>e</i> | 0.1925709 | <i>i</i> | 4.66965 | -0.31574809 | +0.06617325 |
| <i>P</i> | 3.14 | <i>H</i> | 17.9 | <i>G</i> | 0.15 |
| | | | | <i>U</i> | 5 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 790724 413 | 0.1+ | 0.1+ | 951020 691 | 0.4- | 0.5- | 951024 691 | 0.0 | 0.2+ |
| 790727 675 | 0.2- | 0.3+ | 951020 691 | 0.1+ | 0.4+ | 951024 691 | 0.0 | 0.1+ |
| 790728 413 | 0.0 | 0.5- | 951020 691 | 0.1+ | 0.1- | 951024 691 | 0.2+ | 0.1- |

1981 TZ = 1990 JD₁ = 1995 YD₂₄

Id. T. Kobayashi

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

Nakano

| | | | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 49.27095 | | (2000.0) | P | Q |
| <i>n</i> | 0.21003665 | ω | 350.01415 | +0.97711441 | +0.21261634 |
| <i>a</i> | 2.8028896 | Ω | 357.68018 | -0.18249699 | +0.82232307 |
| <i>e</i> | 0.1595906 | <i>i</i> | 9.18185 | -0.10928072 | +0.52780589 |
| <i>P</i> | 4.69 | <i>H</i> | 13.8 | <i>G</i> | 0.15 |
| | | | | <i>U</i> | 3 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 810925 095 | (2.0- | 4.6+) | 951220 704 | (0.8- | 8.2-) | 960123 704 | 0.2+ | 0.3+ |
| 811005 688 | 0.5- | 0.7- | 951220 704 | (0.6+ | 8.5-) | 960123 704 | 0.0 | 1.4+ |

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|-------|-------|
| 811005 688 | 0.6- | 0.4+ | 951220 704 | (1.4+ | 8.2-) | 960123 704 | 2.2+ | 1.5+ |
| 811022 095 | 0.4- | 2.8+ | 951222 704 | (1.7- | 4.8-) | 960123 704 | 0.2- | 0.3+ |
| 900503 413 | 0.3- | 0.3- | 951222 704 | (3.9- | 6.6-) | 960124 704 | 1.2- | 0.4- |
| 900504 413 | 0.5+ | 0.1+ | 951222 704 | (3.9- | 5.5-) | 960124 704 | 0.2+ | 0.3+ |
| 951219 704 | 0.3+ | 1.1- | 951222 704 | (2.8- | 7.0-) | 960126 704 | (0.7- | 4.1-) |
| 951219 704 | 0.7+ | 0.2- | 960122 704 | 0.4- | 0.6+ | 960126 704 | 0.7- | 0.4+ |
| 951219 704 | 0.1- | 1.8- | 960122 704 | 0.0 | 0.8+ | 960126 704 | 1.3- | 0.3- |
| 951219 704 | 0.4+ | 2.2- | 960122 704 | 0.3+ | 0.0 | 960126 704 | 1.2- | 0.6- |
| 951219 704 | 1.8+ | 1.0- | 960122 704 | 0.2+ | 0.2+ | 960127 704 | 0.2- | 1.2- |
| 951220 704 | (0.4+ | 6.3-) | 960122 704 | 1.1+ | 0.3+ | | | |

1982 EE = 1986 CW = 1989 WY₅ = 1996 JJ₁₆

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

Williams

| | | | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 94.88993 | | (2000.0) | P | Q |
| <i>n</i> | 0.22188334 | ω | 20.81041 | -0.65236210 | -0.74237144 |
| <i>a</i> | 2.7022130 | Ω | 110.24623 | +0.67034412 | -0.65915633 |
| <i>e</i> | 0.0436990 | <i>i</i> | 9.36509 | +0.35364170 | -0.11998988 |
| <i>P</i> | 4.44 | <i>H</i> | 12.5 | <i>G</i> | 0.15 |
| | | | | <i>U</i> | 2 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 820314 046 | 2.0+ | 0.9+ | 891124 095 | 1.0- | 2.0+ | 960616 691 | 0.2+ | 0.3- |
| 820314 046 | 1.5- | 0.1- | 960515 691 | 0.1- | 0.4+ | 960616 691 | 0.1+ | 0.1- |
| 820315 046 | 0.2- | 0.3+ | 960515 691 | 0.3- | 0.6- | 960616 691 | 0.4+ | 0.1+ |
| 820315 046 | 0.7- | 0.0 | 960515 691 | 0.3- | 0.3- | 960622 691 | 0.7+ | 0.2+ |
| 820323 046 | 0.6+ | 0.2- | 960524 691 | 1.4- | 1.2+ | 960622 691 | 0.2+ | 0.1+ |
| 820323 046 | 0.4- | 0.8- | 960524 691 | 0.4+ | 0.1+ | 960622 691 | 0.5+ | 0.2+ |
| 860204 801 | 0.5+ | 0.2- | 960524 691 | 0.4+ | 1.1+ | | | |

1982 FJ₃ = 1996 CN₈

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

Kobayashi

| | | | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 312.11369 | | (2000.0) | P | Q |
| <i>n</i> | 0.27645653 | ω | 226.39906 | -0.66653973 | +0.74546889 |
| <i>a</i> | 2.3337347 | Ω | 1.80120 | -0.67486526 | -0.60286401 |
| <i>e</i> | 0.1787959 | <i>i</i> | 1.74848 | -0.31667281 | -0.28430814 |
| <i>P</i> | 3.57 | <i>H</i> | 15.0 | <i>G</i> | 0.15 |
| | | | | <i>U</i> | 6 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 820321 809 | 0.0 | 0.0 | 820329 809 | 0.7+ | 0.3- | 820401 809 | 0.7+ | 0.9- |
| 820321 809 | 0.2+ | 0.1- | 820329 809 | 1.0+ | 0.1+ | 960210 327 | 0.7+ | 0.1- |
| 820321 809 | 0.3+ | 0.1- | 820330 809 | 0.9- | 0.5+ | 960210 327 | 0.1- | 0.4+ |
| 820326 809 | (4.0- | 1.8+) | 820330 809 | 0.7- | 0.6+ | 960210 327 | 0.0 | 0.3- |
| 820326 809 | (3.2- | 1.6+) | 820330 809 | 0.3- | 0.6+ | 960210 327 | 0.4- | 0.2- |
| 820326 809 | (2.9- | 1.6+) | 820401 809 | 0.2- | 0.0 | 960212 327 | 0.3- | 0.1- |
| 820328 809 | 1.1- | 0.3- | 820401 809 | 0.3- | 0.4+ | 960212 327 | 0.2+ | 0.5+ |
| 820328 809 | 0.5- | 0.1+ | 820401 809 | 0.4- | 0.7+ | 960212 327 | 0.1- | 0.2- |
| 820328 809 | 0.1- | 0.6+ | 820401 809 | 0.3+ | 0.7- | | | |
| 820329 809 | 0.5+ | 0.2- | 820401 809 | 0.7+ | 0.8- | | | |

1983 GU = 1991 DN

Id. S. Nakano (*MPC* 17957)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

Williams

| | | | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 320.28062 | | (2000.0) | P | Q |
| <i>n</i> | 0.23533245 | ω | 176.83544 | +0.38947847 | +0.89334272 |
| <i>a</i> | 2.5982534 | Ω | 115.98913 | -0.85041514 | +0.44226238 |
| <i>e</i> | 0.1789196 | <i>i</i> | 14.44034 | -0.35369565 | -0.07964154 |
| <i>P</i> | 4.19 | <i>H</i> | 12.5 | <i>G</i> | 0.15 |
| | | | | <i>U</i> | 3 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|-------|-------|
| 830410 095 | 0.1- | 0.2+ | 960525 292 | 0.3- | 0.9- | 960618 560 | (4.1+ | 0.4-) |
| 830412 095 | 0.8- | 0.3- | 960525 292 | 0.5- | 0.8- | 960618 560 | (3.1+ | 0.1-) |
| 830501 095 | 1.0+ | 0.3+ | 960608 292 | 0.3+ | 0.4- | 960618 560 | (3.0+ | 0.4-) |
| 910219 376 | 0.8- | 1.5+ | 960608 292 | 0.5+ | 0.4+ | 960712 801 | 0.2- | 0.6+ |
| 910219 376 | (0.6- | 3.2+) | 960617 560 | 0.0 | 0.4+ | 960712 801 | 0.1- | 0.3+ |
| 910223 376 | 0.4- | 1.3- | 960617 560 | 0.2- | 0.5+ | 960718 801 | 0.4+ | 0.8- |
| 910223 376 | 1.2+ | 0.2- | 960617 560 | 0.2- | 1.1+ | 960718 801 | 0.2+ | 0.7- |

1984 YL₁ = 1996 KO₇

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | (2000.0) | | Spahr | | Kobayashi | |
|----------|------------|----------|----------|-------------|------|-------------|---|
| <i>M</i> | 99.59393 | | | P | | Q | |
| <i>n</i> | 0.28910292 | ω | 41.21908 | -0.28319113 | | -0.95396305 | |
| <i>a</i> | 2.2651714 | Ω | 65.44357 | +0.84900486 | | -0.29726584 | |
| <i>e</i> | 0.1366142 | <i>i</i> | 6.23472 | +0.44608691 | | -0.03984365 | |
| <i>P</i> | 3.41 | <i>H</i> | 14.5 | <i>G</i> | 0.15 | <i>U</i> | 6 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 841217 095 | 0.6- | 0.6+ | 960519 809 | 1.6- | 0.0 | 960522 809 | 1.3+ | 0.2- |
| 841223 095 | 0.2+ | 0.1- | 960519 809 | 0.7- | 0.5- | 960522 809 | 0.8+ | 0.2+ |
| 841227 095 | 0.5+ | 0.4- | 960519 809 | 0.4- | 0.5+ | 960522 809 | 0.7+ | 0.0 |

1986 QM₁ = 1996 KH₆

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | (2000.0) | | Spahr | | Kobayashi | |
|----------|------------|----------|-----------|-------------|------|-------------|---|
| <i>M</i> | 293.56577 | | | P | | Q | |
| <i>n</i> | 0.28290248 | ω | 232.05569 | +0.66220945 | | +0.74846616 | |
| <i>a</i> | 2.2981492 | Ω | 79.45210 | -0.67558057 | | +0.61699458 | |
| <i>e</i> | 0.2229971 | <i>i</i> | 2.08317 | -0.32414432 | | +0.24313804 | |
| <i>P</i> | 3.48 | <i>H</i> | 15.5 | <i>G</i> | 0.15 | <i>U</i> | 5 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 860827 809 | 0.1+ | 0.0 | 860902 809 | 0.5- | 0.0 | 860907 809 | 0.2+ | 0.1- |
| 860827 809 | 0.7+ | 0.5+ | 860902 809 | 0.4- | 0.1+ | 860909 809 | 0.6+ | 0.6- |
| 860827 809 | 0.5+ | 0.5+ | 860904 809 | 0.2- | 0.0 | 860909 809 | 0.6+ | 0.3- |
| 860828 809 | 0.0 | 0.2+ | 860904 809 | 0.2- | 0.1- | 860909 809 | 0.6+ | 0.2- |
| 860828 809 | 0.0 | 0.3+ | 860904 809 | 0.3- | 0.1- | 960519 809 | 0.0 | 1.0+ |
| 860828 809 | 0.1+ | 0.1+ | 860905 809 | 0.1+ | 0.3+ | 960519 809 | 0.2+ | 0.1- |
| 860901 809 | 0.3- | 0.0 | 860905 809 | 0.1- | 0.1- | 960519 809 | 1.1+ | 1.2+ |
| 860901 809 | 0.4- | 0.0 | 860905 809 | 0.4- | 0.4- | 960522 809 | 0.3- | 0.7- |
| 860901 809 | 0.4- | 0.0 | 860907 809 | 0.2+ | 0.0 | 960522 809 | 0.4- | 0.2- |
| 860902 809 | 0.5- | 0.0 | 860907 809 | 0.2+ | 0.1- | 960522 809 | 0.7- | 1.4- |

1986 TV₆ = 1996 BX₁₄

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | (2000.0) | | Kobayashi | | Kobayashi | |
|----------|------------|----------|-----------|-------------|------|-------------|---|
| <i>M</i> | 177.23158 | | | P | | Q | |
| <i>n</i> | 0.24085457 | ω | 356.20795 | +0.78921563 | | +0.60979766 | |
| <i>a</i> | 2.5583863 | Ω | 325.87514 | -0.55997648 | | +0.66597717 | |
| <i>e</i> | 0.1892914 | <i>i</i> | 7.44607 | -0.25212106 | | +0.42967571 | |
| <i>P</i> | 4.09 | <i>H</i> | 13.3 | <i>G</i> | 0.15 | <i>U</i> | 6 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 861005 092 | 0.1- | 0.2+ | 861010 092 | 2.1+ | 0.0 | 960118 691 | 0.1- | 0.4- |
| 861005 092 | 0.2- | 0.5+ | 861010 092 | 1.3- | 0.2+ | 960118 691 | 0.2+ | 0.5- |
| 861009 092 | 1.6- | 0.4+ | 861011 092 | 0.4+ | 1.2- | 960125 691 | 0.1- | 0.3+ |
| 861009 092 | 0.3- | 0.5+ | 861012 092 | 0.2+ | 0.1+ | 960125 691 | 0.1- | 0.4+ |
| 861009 092 | 0.7+ | 0.8- | 960118 691 | 0.0 | 0.3- | 960125 691 | 0.1+ | 0.5+ |

1987 RX = 1989 YZ₃ = 1996 DA₆

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | (2000.0) | | Kobayashi | | Kobayashi | |
|----------|------------|----------|-----------|-------------|------|-------------|---|
| <i>M</i> | 195.48503 | | | P | | Q | |
| <i>n</i> | 0.17391134 | ω | 173.88396 | +0.79099682 | | +0.61157345 | |
| <i>a</i> | 3.1787090 | Ω | 148.39193 | -0.56272984 | | +0.73838311 | |
| <i>e</i> | 0.2414786 | <i>i</i> | 1.89996 | -0.24012319 | | +0.28419763 | |
| <i>P</i> | 5.67 | <i>H</i> | 12.1 | <i>G</i> | 0.15 | <i>U</i> | 5 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|--------|-------|------------|------|------|
| 870828 095 | 1.0- | 0.6- | 891230 413 | (17.9+ | 7.4+) | 960216 010 | 0.9+ | 1.5+ |
| 870831 095 | 0.3+ | 0.6+ | 891230 413 | (17.9+ | 7.2+) | 960216 010 | 0.7+ | 0.9+ |
| 870912 809 | 0.4- | 0.5+ | 891231 413 | 0.9+ | 1.1- | 960217 010 | 0.1+ | 0.1- |
| 870912 809 | 0.5+ | 0.3+ | 891231 413 | 1.2- | 0.3+ | 960217 010 | 0.8- | 1.2- |
| 870912 809 | 0.3+ | 0.2+ | 960216 010 | 0.7- | 1.8+ | 960217 010 | 0.4+ | 0.8- |

1987 RB₁ = 1993 TE₄₃ = 1996 DV₄

Id. G. V. Williams, T. Kobayashi

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | (2000.0) | | Kobayashi | | Kobayashi | |
|----------|------------|----------|-----------|-------------|------|-------------|---|
| <i>M</i> | 204.75845 | | | P | | Q | |
| <i>n</i> | 0.17434874 | ω | 121.51713 | +0.70925448 | | +0.70493101 | |
| <i>a</i> | 3.1733904 | Ω | 193.66162 | -0.65443395 | | +0.65550224 | |
| <i>e</i> | 0.1940878 | <i>i</i> | 1.33664 | -0.26205780 | | +0.27090422 | |
| <i>P</i> | 5.65 | <i>H</i> | 13.3 | <i>G</i> | 0.15 | <i>U</i> | 5 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 870913 809 | 1.5- | 0.6+ | 870916 809 | 1.2+ | 0.4- | 931022 809 | 0.8+ | 1.3- |
| 870913 809 | 0.9- | 0.1- | 870918 809 | 1.1+ | 0.2- | 931022 809 | 0.1- | 0.6- |
| 870913 809 | 2.1- | 1.1- | 870918 809 | 1.2+ | 0.4- | 960216 010 | 0.4- | 0.6- |
| 870914 809 | 0.5- | 0.4- | 870918 809 | 1.2+ | 0.2- | 960216 010 | 0.9+ | 0.6- |
| 870914 809 | 0.5- | 0.4- | 931010 809 | 0.3+ | 1.7+ | 960216 010 | 1.0+ | 0.2+ |
| 870914 809 | 0.1- | 0.6- | 931010 809 | 1.0- | 1.1+ | 960217 010 | 1.3- | 0.7- |
| 870916 809 | 1.0+ | 0.2+ | 931010 809 | 2.0- | 0.1+ | 960217 010 | 0.9- | 0.0 |
| 870916 809 | 1.0+ | 0.0 | 931022 809 | 1.6+ | 0.3+ | 960217 010 | 0.1- | 0.8- |

1987 RO₅ = 1996 BC₄

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | (2000.0) | | Kobayashi | | Kobayashi | |
|----------|------------|----------|-----------|-------------|------|-------------|---|
| <i>M</i> | 26.16960 | | | P | | Q | |
| <i>n</i> | 0.12574891 | ω | 216.81231 | +0.96266225 | | -0.26720990 | |
| <i>a</i> | 3.9457833 | Ω | 158.56315 | +0.26792835 | | +0.91759913 | |
| <i>e</i> | 0.2906316 | <i>i</i> | 6.81393 | +0.03867543 | | +0.29429699 | |
| <i>P</i> | 7.84 | <i>H</i> | 11.9 | <i>G</i> | 0.15 | <i>U</i> | 4 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 870904 095 | 0.0 | 0.3+ | 960201 327 | 0.2- | 0.3- | 960205 327 | 0.4- | 0.4+ |
| 870924 095 | 1.1+ | 1.6- | 960202 327 | 0.1- | 0.3+ | 960205 327 | 0.5- | 0.2- |
| 870927 095 | 1.0- | 1.3+ | 960202 327 | 0.0 | 0.0 | 960205 327 | 0.2- | 0.4- |
| 960131 327 | 0.3+ | 0.1+ | 960202 327 | 0.0 | 0.3- | 960205 327 | 0.2- | 0.2- |
| 960131 327 | 0.3+ | 0.5+ | 960202 327 | 0.2+ | 0.0 | 960207 327 | 0.2+ | 0.0 |
| 960201 327 | 0.8- | 0.1- | 960202 327 | 0.6+ | 0.2+ | 960207 327 | 0.3+ | 0.0 |
| 960201 327 | 0.2- | 0.2- | 960202 327 | 0.3+ | 0.1+ | 960207 327 | 0.4+ | 0.1+ |

1988 QB = 1964 VM₂ = 1980 TJ₂ = 1982 DX₅ = 1990 DB₅

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

Williams

| <i>M</i> | 270.97812 | (2000.0) | P | | Q | |
|----------|------------|--------------------|---------------|-------------|----------|--|
| <i>n</i> | 0.24093565 | ω 240.01412 | +0.83216953 | -0.54980458 | | |
| <i>a</i> | 2.5578123 | Ω 153.14082 | +0.54770868 | +0.79461559 | | |
| <i>e</i> | 0.2095051 | <i>i</i> 9.19201 | +0.08665494 | +0.25748978 | | |
| <i>P</i> | 4.09 | <i>H</i> 13.0 | <i>G</i> 0.15 | <i>U</i> 2 | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|-------|-------|--------|-----|-------|-------|
| 641111 | 330 | 0.4- | 0.8+ | 880818 | 552 | 0.6- | 0.7- | 880903 | 552 | 1.2+ | 1.8+ |
| 801005 | 809 | 0.9+ | 1.4- | 880818 | 552 | 0.9- | 0.5- | 880907 | 552 | (0.3- | 3.1-) |
| 820226 | 010 | 0.6+ | 0.0 | 880822 | 552 | (3.0+ | 0.3+) | 880907 | 552 | 0.0 | 1.9- |
| 880817 | 552 | 0.3+ | 1.1+ | 880822 | 552 | 1.1+ | 0.5- | 880910 | 552 | 0.5- | 0.0 |
| 880817 | 552 | 1.2+ | 1.3+ | 880823 | 552 | 0.4+ | 0.5+ | 880910 | 552 | 0.1- | 0.7+ |
| 880818 | 046 | 2.4- | 1.3- | 880823 | 552 | 0.2- | 0.5+ | 900222 | 033 | 0.4- | 0.6- |
| 880818 | 046 | 0.8- | 1.9- | 880903 | 552 | 0.8+ | 1.7+ | | | | |

1989 GC₈ = 1996 JE₄

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

Kobayashi

| <i>M</i> | 304.87768 | (2000.0) | P | | Q | |
|----------|------------|--------------------|---------------|-------------|----------|--|
| <i>n</i> | 0.29011529 | ω 189.47745 | +0.33814650 | +0.93844674 | | |
| <i>a</i> | 2.2598987 | Ω 100.31192 | -0.85867298 | +0.33833608 | | |
| <i>e</i> | 0.1434788 | <i>i</i> 4.11102 | -0.38514628 | +0.06961621 | | |
| <i>P</i> | 3.40 | <i>H</i> 16.5 | <i>G</i> 0.15 | <i>U</i> 6 | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 890406 | 033 | 2.2- | 1.3- | 960509 | 691 | 0.0 | 0.6+ | 960515 | 691 | 0.4- | 0.5- |
| 890407 | 033 | 0.4- | 0.4- | 960509 | 691 | 0.5+ | 0.2+ | 960515 | 691 | 0.2- | 0.2- |
| 890409 | 033 | 1.3+ | 1.1+ | 960509 | 691 | 0.7+ | 0.4+ | | | | |
| 890409 | 033 | 1.2+ | 0.5+ | 960515 | 691 | 0.5- | 0.5- | | | | |

1989 RQ₁ = 1971 OP = 1996 OA₁

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

Nakano

| <i>M</i> | 310.23660 | (2000.0) | P | | Q | |
|----------|------------|--------------------|---------------|-------------|----------|--|
| <i>n</i> | 0.27599705 | ω 195.80166 | +0.98428401 | +0.16678847 | | |
| <i>a</i> | 2.3363241 | Ω 154.37848 | -0.14398065 | +0.94819809 | | |
| <i>e</i> | 0.2893758 | <i>i</i> 7.71115 | -0.10224753 | +0.27037378 | | |
| <i>P</i> | 3.57 | <i>H</i> 13.8 | <i>G</i> 0.15 | <i>U</i> 3 | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 710726 | 095 | 0.1- | 0.8+ | 891002 | 675 | 0.0 | 0.2- | 960718 | 894 | 0.2- | 0.7+ |
| 890905 | 675 | 0.5+ | 0.4+ | 891002 | 675 | 1.1- | 0.1+ | 960721 | 894 | 0.3+ | 0.1- |
| 890905 | 675 | 0.7- | 1.2+ | 891005 | 675 | 1.0+ | 0.4+ | 960721 | 894 | 0.2+ | 0.4- |
| 890907 | 675 | 0.3+ | 1.0- | 891005 | 675 | 0.2+ | 0.3+ | | | | |
| 890907 | 675 | 0.1- | 1.3- | 960718 | 894 | 0.1- | 0.8- | | | | |

1989 SN₄ = 1979 HH₂ = 1996 KN₄

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

Kobayashi

| <i>M</i> | 11.37795 | (2000.0) | P | | Q | |
|----------|------------|--------------------|---------------|-------------|----------|--|
| <i>n</i> | 0.23491246 | ω 52.74953 | -0.86441744 | +0.50196376 | | |
| <i>a</i> | 2.6013494 | Ω 157.33803 | -0.48156113 | -0.81029105 | | |
| <i>e</i> | 0.1270462 | <i>i</i> 4.24886 | -0.14450387 | -0.30242487 | | |
| <i>P</i> | 4.20 | <i>H</i> 13.9 | <i>G</i> 0.15 | <i>U</i> 4 | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|-------|-------|
| 790424 | 095 | 0.1- | 0.2- | 890929 | 675 | 0.8+ | 1.5- | 891008 | 809 | (3.4- | 1.2-) |
| 890926 | 809 | 2.1+ | 0.4+ | 891003 | 809 | 1.4- | 1.9+ | 891008 | 809 | (4.8- | 2.5-) |
| 890926 | 809 | 1.6+ | 1.1- | 891003 | 809 | 1.1- | 1.5+ | 960522 | 809 | 0.8- | 0.0 |

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 890926 | 809 | 1.9+ | 1.0- | 891003 | 809 | 0.1- | 0.6+ | 960522 | 809 | 0.8- | 0.1+ |
| 890928 | 809 | 0.2- | 2.0+ | 891007 | 809 | 0.7- | 0.4+ | 960522 | 809 | 0.3- | 0.4+ |
| 890928 | 809 | 0.1- | 0.9+ | 891007 | 809 | 0.2- | 0.7- | 960524 | 809 | 0.5+ | 0.0 |
| 890928 | 809 | 0.1+ | 0.4+ | 891007 | 809 | 0.6- | 0.9- | 960524 | 809 | 0.8+ | 0.3- |
| 890929 | 675 | 0.2- | 1.5- | 891008 | 809 | 1.7- | 1.7- | 960524 | 809 | 0.6+ | 0.2- |

1989 UW₅ = 1993 ST₁₄ = 1996 LC

Id. T. Kobayashi, S. Nakano

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

Williams

| <i>M</i> | 201.28917 | (2000.0) | P | | Q | |
|----------|------------|--------------------|---------------|-------------|----------|--|
| <i>n</i> | 0.24062370 | ω 349.75482 | +0.66752430 | -0.74138258 | | |
| <i>a</i> | 2.5600225 | Ω 58.33053 | +0.68875507 | +0.57959605 | | |
| <i>e</i> | 0.2259520 | <i>i</i> 4.65128 | +0.28289178 | +0.33826068 | | |
| <i>P</i> | 4.10 | <i>H</i> 14.5 | <i>G</i> 0.15 | <i>U</i> 5 | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 891030 | 807 | 0.7+ | 0.3+ | 891104 | 675 | 1.2+ | 0.2+ | 931015 | 010 | 0.7- | 0.7+ |
| 891030 | 095 | 0.2- | 1.6- | 891104 | 675 | 0.0 | 0.0 | 960608 | 684 | 0.7+ | 1.0- |
| 891030 | 095 | 1.5+ | 1.1- | 930918 | 400 | 2.3- | 1.4- | 960608 | 684 | 0.7+ | 0.4- |
| 891101 | 807 | 0.5+ | 0.1- | 930918 | 400 | 1.4+ | 1.4+ | 960609 | 684 | 0.7- | 0.1- |
| 891103 | 675 | 2.2- | 0.5- | 931015 | 010 | 0.7+ | 0.7+ | 960609 | 684 | 0.5- | 0.0 |
| 891103 | 675 | 0.4- | 0.1+ | 931015 | 010 | 0.1- | 0.6+ | 960609 | 684 | 0.7- | 0.1- |

1989 YA₅ = 1991 HX = 1996 BZ₁₀

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

Kobayashi

| <i>M</i> | 348.33888 | (2000.0) | P | | Q | |
|----------|------------|--------------------|---------------|-------------|----------|--|
| <i>n</i> | 0.17879345 | ω 233.37507 | -0.95487092 | -0.06832246 | | |
| <i>a</i> | 3.1205775 | Ω 300.98533 | +0.21999733 | -0.81652903 | | |
| <i>e</i> | 0.1430475 | <i>i</i> 19.70460 | -0.19955626 | -0.57324723 | | |
| <i>P</i> | 5.51 | <i>H</i> 12.6 | <i>G</i> 0.15 | <i>U</i> 3 | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 891228 | 511 | 0.1- | 1.1+ | 900101 | 511 | 1.6- | 0.3+ | 960124 | 691 | 0.1+ | 0.1- |
| 891228 | 511 | 1.2+ | 0.8+ | 900101 | 511 | 0.1+ | 1.1- | 960124 | 691 | 0.0 | 0.1- |
| 891229 | 511 | 1.7+ | 0.6+ | 900103 | 511 | 1.9- | 0.2+ | 960124 | 691 | 0.2- | 0.1- |
| 891229 | 511 | 0.9+ | 0.1- | 900103 | 511 | 0.6+ | 1.3- | 960129 | 691 | 0.2+ | 0.2+ |
| 891230 | 511 | 0.9- | 0.4- | 910420 | 413 | 0.7- | 0.6+ | 960129 | 691 | 0.1+ | 0.2+ |
| 891230 | 511 | 0.1- | 0.2- | 910420 | 413 | 0.7+ | 0.7- | 960129 | 691 | 0.0 | 0.1+ |

1990 VT₁ = 1979 TR₂ = 1979 WM₁ = 1996 HX₁₅

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

Kobayashi

| <i>M</i> | 194.93431 | (2000.0) | P | | Q | |
|----------|------------|--------------------|---------------|-------------|----------|--|
| <i>n</i> | 0.27121432 | ω 190.61229 | +0.85531134 | -0.51797985 | | |
| <i>a</i> | 2.3637106 | Ω 200.59760 | +0.47778519 | +0.79734447 | | |
| <i>e</i> | 0.2123981 | <i>i</i> 1.92314 | +0.20040912 | +0.30973969 | | |
| <i>P</i> | 3.63 | <i>H</i> 14.0 | <i>G</i> 0.15 | <i>U</i> 4 | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 791014 | 095 | 0.3- | 1.9+ | 901113 | 400 | 0.2- | 1.3- | 960418 | 809 | 0.3- | 1.0+ |
| 791116 | 095 | 0.7- | 1.0+ | 901208 | 400 | 0.9+ | 0.8- | 960420 | 809 | 1.8+ | 1.2- |
| 901111 | 400 | 1.1- | 1.2+ | 901208 | 400 | 0.4+ | 1.6+ | 960420 | 809 | 0.0 | 0.4+ |
| 901111 | 400 | 0.4+ | 0.9+ | 960418 | 809 | 0.1+ | 2.5+ | 960420 | 809 | 0.1+ | 0.1+ |
| 901113 | 400 | 0.5- | 0.3- | 960418 | 809 | 0.3- | 2.7+ | | | | |

**1991 GQ₆ = 1973 UT = 1978 RE₅ = 1978 TS₃ = 1980 BP₄ = 1993 RH₁₇
= 1996 GY₂₀**

Id. T. Kobayashi, B. G. Marsden (d)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M | | (2000.0) | | P | | Q | | Williams | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|----------|--|
| <i>n</i> | 0.19619910 | ω | 210.16823 | +0.62038154 | -0.78426793 | | | | |
| <i>a</i> | 2.9331754 | Ω | 201.49030 | +0.72340589 | +0.57569345 | | | | |
| <i>e</i> | 0.1307044 | <i>i</i> | 1.11223 | +0.30300274 | +0.23130255 | | | | |
| <i>P</i> | 5.02 | <i>H</i> | 13.0 | <i>G</i> | 0.15 | <i>U</i> | 2 | | |

Residuals in seconds of arc

| | | | | | | | |
|------------|-------------|------------|------|------|------------|------|------|
| 731026 095 | (2.9- 4.2-) | 910419 809 | 1.7+ | 1.6- | 930922 809 | 1.6- | 1.2+ |
| 780906 095 | 0.3- 1.7- | 910419 809 | 1.5+ | 2.1- | 960320 566 | 0.1+ | 0.0 |
| 781004 095 | 0.5- 0.3- | 910419 809 | 1.0+ | 2.0- | 960320 566 | 0.2- | 0.0 |
| 800122 095 | 0.2+ 1.1- | 910419 675 | 0.9- | 0.9- | 960320 566 | 0.1- | 0.1+ |
| 910408 809 | 1.2- 2.8+ | 910419 675 | 0.5- | 1.3- | 960413 691 | 2.0- | 0.1- |
| 910408 809 | 0.7- 2.3+ | 930915 809 | 2.5+ | 1.0- | 960413 691 | 1.6- | 0.1+ |
| 910408 809 | 0.4+ 1.8+ | 930915 809 | 0.5+ | 1.6- | 960413 691 | 1.6- | 0.5+ |
| 910410 809 | 2.2+ 0.3+ | 930915 809 | 0.4+ | 0.9- | 960422 566 | 0.3- | 0.9- |
| 910410 809 | 0.8+ 0.5+ | 930922 809 | 0.2+ | 1.4+ | 960422 566 | 0.3- | 0.8- |
| 910410 809 | 0.9+ 0.7+ | 930922 809 | 0.5- | 1.0+ | 960422 566 | 0.2- | 0.6- |

1991 LU₁ = 1996 KR₆

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M | | (2000.0) | | P | | Q | | Spahr | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|-------|--|
| <i>n</i> | 0.18588533 | ω | 66.59392 | +0.30993408 | +0.94864645 | | | | |
| <i>a</i> | 3.0406935 | Ω | 221.62875 | -0.90340366 | +0.27308309 | | | | |
| <i>e</i> | 0.0566031 | <i>i</i> | 5.47056 | -0.29631520 | +0.15967322 | | | | |
| <i>P</i> | 5.30 | <i>H</i> | 14.0 | <i>G</i> | 0.15 | <i>U</i> | 6 | | |

Residuals in seconds of arc

| | | | | | | | |
|------------|-----------|------------|------|------|------------|------|------|
| 910518 809 | 0.4- 0.1- | 910606 809 | 0.7+ | 0.7+ | 960519 809 | 0.1+ | 0.3- |
| 910518 809 | 0.8- 0.2- | 910608 809 | 0.7- | 0.3+ | 960519 809 | 0.5+ | 1.7- |
| 910518 809 | 2.4- 0.0 | 910608 809 | 0.5- | 0.7- | 960522 809 | 1.3+ | 1.0+ |
| 910606 809 | 1.7+ 0.5- | 910608 809 | 0.5+ | 0.1- | 960522 809 | 0.4- | 1.5+ |
| 910606 809 | 1.8+ 0.3+ | 960519 809 | 0.6- | 0.3- | 960522 809 | 1.0- | 0.1- |

1991 YL₁ = 1996 FJ₃ = 1996 HN₂₆

Id. T. Kobayashi, S. Nakano (d)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M | | (2000.0) | | P | | Q | | Nakano | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|--------|--|
| <i>n</i> | 0.26783242 | ω | 199.14866 | -0.88565960 | -0.46422485 | | | | |
| <i>a</i> | 2.3835666 | Ω | 313.18698 | +0.42780912 | -0.80732679 | | | | |
| <i>e</i> | 0.1393003 | <i>i</i> | 0.79504 | +0.18051711 | -0.36430582 | | | | |
| <i>P</i> | 3.68 | <i>H</i> | 14.6 | <i>G</i> | 0.15 | <i>U</i> | 4 | | |

Residuals in seconds of arc

| | | | | | | | |
|------------|-----------|------------|------|------|------------|------|------|
| 911228 033 | 0.4- 0.4- | 960321 566 | 0.7+ | 0.7- | 960420 566 | 0.0 | 0.4+ |
| 920102 033 | 0.1+ 0.1- | 960325 566 | 0.4- | 0.5+ | 960420 566 | 0.0 | 0.1- |
| 920103 033 | 0.2- 0.3- | 960325 566 | 0.8- | 0.7+ | 960421 566 | 0.2- | 0.0 |
| 920107 033 | 0.6+ 0.8+ | 960325 566 | 0.5- | 0.6+ | 960421 566 | 0.2+ | 0.1- |
| 960321 566 | 0.8+ 0.8- | 960420 566 | 0.1+ | 0.7- | 960421 566 | 0.1- | 0.1+ |

1992 EV₁₅ = 1996 KY₃

Id. T. Kobayashi

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M | | (2000.0) | | P | | Q | | Williams | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|----------|--|
| <i>n</i> | 0.27463043 | ω | 308.75116 | -0.39275367 | -0.91958837 | | | | |
| <i>a</i> | 2.3440684 | Ω | 164.36561 | +0.85494430 | -0.36914241 | | | | |
| <i>e</i> | 0.1636986 | <i>i</i> | 2.14538 | +0.33884332 | -0.13450319 | | | | |
| <i>P</i> | 3.59 | <i>H</i> | 14.5 | <i>G</i> | 0.15 | <i>U</i> | 6 | | |

Residuals in seconds of arc

| | | | | | | | |
|------------|-----------|------------|------|------|------------|------|------|
| 920301 809 | 0.4+ 0.7+ | 960421 809 | 0.8- | 0.8- | 960522 809 | 0.5+ | 0.5+ |
| 920303 809 | 0.7- 0.3- | 960421 809 | 0.8- | 1.1- | 960524 809 | 0.9+ | 0.3+ |
| 920306 809 | 0.5+ 0.0 | 960522 809 | 0.0 | 0.4- | 960524 809 | 0.1- | 1.0+ |
| 960421 809 | 1.5+ 1.0- | 960522 809 | 0.5- | 0.5+ | 960524 809 | 0.5- | 0.8+ |

1992 NS = 1996 KO₆

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M | | (2000.0) | | P | | Q | | Spahr | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|-------|--|
| <i>n</i> | 0.22677598 | ω | 64.55615 | +0.21430045 | +0.96968586 | | | | |
| <i>a</i> | 2.6632055 | Ω | 218.41197 | -0.95026219 | +0.17916185 | | | | |
| <i>e</i> | 0.1805943 | <i>i</i> | 10.89257 | -0.22600240 | +0.16616365 | | | | |
| <i>P</i> | 4.35 | <i>H</i> | 13.0 | <i>G</i> | 0.15 | <i>U</i> | 5 | | |

Residuals in seconds of arc

| | | | | | | | |
|------------|-----------|------------|------|------|------------|------|------|
| 920702 675 | 0.7+ 0.3+ | 920726 675 | 0.8- | 0.4- | 960522 809 | 1.5- | 0.1- |
| 920702 675 | 1.1+ 0.4+ | 920728 675 | 1.7+ | 1.2- | 960522 809 | 1.3- | 0.6- |
| 920705 675 | 1.2- 0.5+ | 960519 809 | 1.5+ | 0.2+ | 960522 809 | 1.3- | 0.4- |
| 920705 675 | 1.1- 1.1+ | 960519 809 | 1.2+ | 0.3+ | | | |
| 920726 675 | 0.3- 0.5- | 960519 809 | 1.3+ | 0.1+ | | | |

1993 NU₁ = 1996 KZ₁

Id. T. Kobayashi

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M | | (2000.0) | | P | | Q | | Williams | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|----------|--|
| <i>n</i> | 0.26756003 | ω | 225.80718 | +0.95091697 | -0.30855926 | | | | |
| <i>a</i> | 2.3851841 | Ω | 152.14061 | +0.29628057 | +0.88601685 | | | | |
| <i>e</i> | 0.2082872 | <i>i</i> | 2.87169 | +0.08930143 | +0.34607128 | | | | |
| <i>P</i> | 3.68 | <i>H</i> | 15.0 | <i>G</i> | 0.15 | <i>U</i> | 6 | | |

Residuals in seconds of arc

| | | | | | | | |
|------------|-----------|------------|------|------|------------|------|------|
| 930712 809 | 0.7- 1.5- | 930723 809 | 1.0- | 0.2- | 960516 691 | 1.1+ | 0.2+ |
| 930712 809 | 0.0 0.8- | 930723 809 | 0.4- | 1.1- | 960516 691 | 1.1+ | 0.0 |
| 930712 809 | 1.1- 0.1+ | 930723 809 | 0.9- | 0.4+ | 960520 691 | 1.0- | 0.3- |
| 930719 809 | 2.1+ 1.4+ | 960511 691 | 0.3- | 0.6+ | 960520 691 | 0.7- | 0.2- |
| 930719 809 | 0.9+ 0.5+ | 960511 691 | 0.4- | 0.5+ | 960520 691 | 1.0- | 0.4- |
| 930719 809 | 1.2+ 1.1+ | 960516 691 | 1.1+ | 0.4- | | | |

1993 OL₅ = 1996 GH₁₇

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M | | (2000.0) | | P | | Q | | Kobayashi | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|-----------|--|
| <i>n</i> | 0.29337481 | ω | 154.67698 | -0.38520427 | +0.92279242 | | | | |
| <i>a</i> | 2.2431286 | Ω | 92.66564 | -0.84811813 | -0.35038297 | | | | |
| <i>e</i> | 0.1464804 | <i>i</i> | 0.48611 | -0.36374897 | -0.16026829 | | | | |
| <i>P</i> | 3.36 | <i>H</i> | 15.9 | <i>G</i> | 0.15 | <i>U</i> | 6 | | |

Residuals in seconds of arc

| | | | | | | | |
|------------|-----------|------------|------|------|------------|------|------|
| 930713 809 | 1.2+ 0.2+ | 930720 809 | 0.5+ | 0.1- | 960417 809 | 0.1- | 0.7+ |
| 930713 809 | 0.4- 1.4+ | 930724 809 | 0.1+ | 1.3- | 960417 809 | 0.3- | 0.8+ |
| 930713 809 | 0.8- 0.7- | 960415 809 | 0.8- | 0.3- | 960417 809 | 0.7+ | 0.2- |

930720 809 0.0 0.5+ 960415 809 0.2+ 0.2-
 930720 809 0.6- 0.1- 960415 809 0.3+ 0.8-

1993 OV₅ = 1996 KA₄

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | Kobayashi | | | | | |
|----------|------------|-----------|-----------|-------------|-------------|----------|---|
| <i>M</i> | | (2000.0) | | | P | Q | |
| <i>n</i> | 0.29073189 | ω | 96.91453 | -0.76294176 | +0.64417404 | | |
| <i>a</i> | 2.2567023 | Ω | 123.20521 | -0.61583346 | -0.69861232 | | |
| <i>e</i> | 0.0861159 | <i>i</i> | 3.72798 | -0.19664440 | -0.31141715 | | |
| <i>P</i> | 3.39 | <i>H</i> | 15.4 | <i>G</i> | 0.15 | <i>U</i> | 5 |

Residuals in seconds of arc

| | | | | | | | |
|------------|------|------|------------|-------------|------|------------|-------------|
| 930713 809 | 0.9- | 0.9- | 930724 809 | 1.2+ | 0.6+ | 960522 809 | (0.3+ 5.6+) |
| 930713 809 | 0.7- | 0.7- | 960514 566 | 0.1- | 0.2+ | 960524 809 | 0.0 0.0 |
| 930713 809 | 2.1- | 0.8- | 960514 566 | 0.9- | 0.4+ | 960524 809 | 0.8+ 0.4- |
| 930720 809 | 1.3+ | 0.5+ | 960514 566 | 0.5- | 0.0 | 960524 809 | 0.7+ 0.1- |
| 930720 809 | 1.0+ | 0.9+ | 960522 809 | (0.8+ 5.4+) | | | |
| 930720 809 | 0.1+ | 0.3+ | 960522 809 | (0.1+ 4.7+) | | | |

1993 TL₁₃ = 1996 HX₁₇

Id. T. Kobayashi

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | Spahr | | | | | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>M</i> | | (2000.0) | | | P | Q | |
| <i>n</i> | 0.26043393 | ω | 247.14379 | +0.42122747 | +0.89911554 | | |
| <i>a</i> | 2.4284976 | Ω | 48.32487 | -0.76274984 | +0.42217281 | | |
| <i>e</i> | 0.1938698 | <i>i</i> | 9.16664 | -0.49069348 | +0.11559134 | | |
| <i>P</i> | 3.78 | <i>H</i> | 14.5 | <i>G</i> | 0.15 | <i>U</i> | 4 |

Residuals in seconds of arc

| | | | | | | | |
|------------|------|------|------------|------|------|------------|-----------|
| 931014 675 | 0.4+ | 0.3+ | 960418 809 | 0.0 | 0.3- | 960516 566 | 0.6- 1.0- |
| 931014 675 | 0.0 | 0.1- | 960418 809 | 0.7- | 0.7- | 960519 809 | 0.4+ 1.1+ |
| 931015 675 | 0.3+ | 0.3- | 960420 809 | 0.5+ | 0.4+ | 960519 809 | 0.8+ 1.0+ |
| 931020 809 | 0.1+ | 0.0 | 960420 809 | 0.3+ | 0.7+ | 960519 809 | 1.4+ 1.0+ |
| 931020 809 | 0.4- | 0.1+ | 960420 809 | 0.1+ | 0.6+ | 960522 809 | 0.3- 0.2- |
| 931020 809 | 0.4- | 0.0 | 960516 566 | 0.9- | 0.8- | 960522 809 | 0.0 0.2+ |
| 960418 809 | 0.1- | 0.3- | 960516 566 | 0.6- | 1.3- | 960522 809 | 0.3- 0.4- |

1993 TD₂₆ = 1996 GJ₈

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | Kobayashi | | | | | |
|----------|------------|-----------|-----------|-------------|-------------|----------|---|
| <i>M</i> | | (2000.0) | | | P | Q | |
| <i>n</i> | 0.24561641 | ω | 141.57818 | +0.90133909 | +0.42946087 | | |
| <i>a</i> | 2.5252117 | Ω | 193.33278 | -0.43252203 | +0.88573979 | | |
| <i>e</i> | 0.1256683 | <i>i</i> | 14.08883 | -0.02263937 | +0.17614874 | | |
| <i>P</i> | 4.01 | <i>H</i> | 15.8 | <i>G</i> | 0.15 | <i>U</i> | 4 |

Residuals in seconds of arc

| | | | | | | | |
|------------|------|------|------------|------|------|------------|-----------|
| 931009 809 | 1.4- | 0.2+ | 931011 809 | 0.9+ | 0.6- | 960412 691 | 0.3- 0.1+ |
| 931009 809 | 1.1- | 0.0 | 931020 809 | 0.2+ | 0.3+ | 960412 691 | 0.4- 0.0 |
| 931009 809 | 0.2- | 0.6+ | 931020 809 | 0.2+ | 0.3+ | 960423 691 | 0.1- 0.2+ |
| 931011 809 | 0.8+ | 0.1- | 931020 809 | 0.5- | 0.4- | 960423 691 | 0.1- 0.0 |
| 931011 809 | 1.3+ | 0.3- | 960412 691 | 0.5+ | 0.2- | 960423 691 | 0.3+ 0.1- |

1993 TN₂₉ = 1996 JV₃

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | Kobayashi | | | | | |
|----------|------------|-----------|-----------|-------------|-------------|----------|---|
| <i>M</i> | | (2000.0) | | | P | Q | |
| <i>n</i> | 0.26061361 | ω | 195.56717 | +0.77598783 | +0.62905403 | | |
| <i>a</i> | 2.4273812 | Ω | 125.35943 | -0.57248513 | +0.73316081 | | |
| <i>e</i> | 0.2178683 | <i>i</i> | 3.24713 | -0.26477096 | +0.25839167 | | |
| <i>P</i> | 3.78 | <i>H</i> | 16.0 | <i>G</i> | 0.15 | <i>U</i> | 5 |

Residuals in seconds of arc

| | | | | | | | |
|------------|------|------|------------|------|------|------------|-----------|
| 931009 809 | 0.8+ | 0.3+ | 931011 809 | 0.2+ | 1.0+ | 960509 691 | 0.1+ 0.9+ |
| 931009 809 | 0.3- | 0.2- | 931021 809 | 0.2- | 1.2- | 960509 691 | 0.6- 0.3- |
| 931009 809 | 1.1- | 0.8+ | 931021 809 | 0.4- | 1.5- | 960521 691 | 0.4+ 0.2- |
| 931011 809 | 0.6+ | 0.2+ | 931021 809 | 0.5- | 1.0- | 960521 691 | 0.0 0.5- |
| 931011 809 | 1.1+ | 1.2+ | 960509 691 | 0.1- | 0.3+ | 960521 691 | 0.1+ 0.7- |

1993 TZ₃₁ = 1996 OG

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | Williams | | | | | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>M</i> | | (2000.0) | | | P | Q | |
| <i>n</i> | 0.28009240 | ω | 202.07570 | -0.32833251 | +0.93684951 | | |
| <i>a</i> | 2.3134947 | Ω | 48.97721 | -0.84099849 | -0.23188674 | | |
| <i>e</i> | 0.1191475 | <i>i</i> | 9.18757 | -0.43002243 | -0.26180438 | | |
| <i>P</i> | 3.52 | <i>H</i> | 15.0 | <i>G</i> | 0.15 | <i>U</i> | 5 |

Residuals in seconds of arc

| | | | | | | | |
|------------|------|------|------------|------|------|------------|-----------|
| 931009 809 | 0.3+ | 0.0 | 931021 809 | 0.1+ | 0.1- | 960719 684 | 0.1+ 0.1- |
| 931009 809 | 0.3- | 0.6+ | 931021 809 | 0.5+ | 0.1+ | 960720 684 | 0.1- 0.4+ |
| 931009 809 | 1.2- | 1.3+ | 960718 684 | 0.5- | 0.4- | 960720 684 | 0.0 0.1+ |
| 931011 809 | 1.2+ | 0.8- | 960718 684 | 0.7- | 0.6- | 960722 684 | 0.0 0.7+ |
| 931011 809 | 0.2+ | 0.5- | 960718 684 | 0.1- | 0.4- | 960722 684 | 0.5+ 0.3+ |
| 931011 809 | 0.2- | 0.8- | 960719 684 | 0.1+ | 0.3- | 960722 684 | 0.7+ 0.4+ |
| 931021 809 | 0.7- | 0.2+ | 960719 684 | 0.1+ | 0.3- | | |

1993 TW₃₃ = 1996 LO₄

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | Williams | | | | | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>M</i> | | (2000.0) | | | P | Q | |
| <i>n</i> | 0.21649190 | ω | 238.76860 | +0.92554538 | +0.36775881 | | |
| <i>a</i> | 2.7468922 | Ω | 99.52210 | -0.30884093 | +0.87092199 | | |
| <i>e</i> | 0.0534943 | <i>i</i> | 5.24217 | -0.21905030 | +0.32595759 | | |
| <i>P</i> | 4.55 | <i>H</i> | 13.5 | <i>G</i> | 0.15 | <i>U</i> | 5 |

Residuals in seconds of arc

| | | | | | | | |
|------------|------|------|------------|------|------|------------|-----------|
| 931009 809 | 0.5- | 0.2- | 931011 809 | 0.5+ | 1.3+ | 960608 809 | 0.0 0.1+ |
| 931009 809 | 0.6- | 1.1- | 931021 809 | 0.0 | 0.0 | 960608 809 | 0.2+ 0.2+ |
| 931009 809 | 0.9- | 0.9- | 931021 809 | 0.6+ | 0.2- | 960610 809 | 1.0+ 0.4+ |
| 931011 809 | 2.0+ | 0.0 | 931021 809 | 1.3- | 0.7+ | 960610 809 | 1.1- 1.0+ |
| 931011 809 | 0.3+ | 0.6+ | 960608 809 | 0.2+ | 1.2- | 960610 809 | 0.3- 0.4- |

1993 TY₃₄ = 1996 GD₁₆

Id. T. Kobayashi

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | Nakano | | | | | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>M</i> | | (2000.0) | | | P | Q | |
| <i>n</i> | 0.23911309 | ω | 274.30891 | +0.63934614 | +0.76784192 | | |
| <i>a</i> | 2.5707933 | Ω | 35.54018 | -0.67479398 | +0.58566345 | | |
| <i>e</i> | 0.1578679 | <i>i</i> | 4.01362 | -0.36863207 | +0.25964804 | | |
| <i>P</i> | 4.12 | <i>H</i> | 15.4 | <i>G</i> | 0.15 | <i>U</i> | 5 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------|-------|------------|------|------|
| 931009 809 | 0.3- | 0.6- | 931020 809 | 0.2+ | 1.4+ | 960413 691 | 0.8+ | 0.1- |
| 931009 809 | 1.1- | 0.9+ | 931020 809 | 0.9+ | 1.2+ | 960413 691 | 0.7+ | 0.1+ |
| 931009 809 | 1.4- | 0.6+ | 931020 809 | 0.8+ | 1.2+ | 960413 691 | 0.6+ | 0.2- |
| 931012 809 | 0.9+ | 0.4- | 931022 809 | (0.9+ | 3.6-) | 960420 691 | 1.3- | 0.2+ |
| 931012 809 | 0.7+ | 0.8- | 931022 809 | 0.7- | 2.6- | 960420 691 | 0.5- | 0.0 |
| 931012 809 | 0.0 | 1.1- | 931022 809 | (7.3- | 2.0-) | 960420 691 | 0.4- | 0.1- |

1993 UW₈ = 1996 JZ₁₂

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M | | P | | Q | | | |
|-----------|------------|----------|-----------|-------------|-------------|----------|---|
| 305.12871 | | (2000.0) | | Kobayashi | | | |
| <i>n</i> | 0.24054700 | ω | 201.04043 | +0.28980070 | +0.95259705 | | |
| <i>a</i> | 2.5605667 | Ω | 85.89820 | -0.86431939 | +0.30203628 | | |
| <i>e</i> | 0.1787216 | <i>i</i> | 5.32678 | -0.41105662 | +0.03650951 | | |
| <i>P</i> | 4.10 | <i>H</i> | 14.6 | <i>G</i> | 0.15 | <i>U</i> | 5 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 931010 809 | 1.4+ | 0.4- | 931020 809 | 0.4- | 1.7- | 960511 691 | 0.6- | 0.5- |
| 931010 809 | 0.6- | 0.9- | 931020 809 | 0.7- | 1.9- | 960511 691 | 0.5- | 0.4- |
| 931010 809 | 1.0- | 1.5- | 931021 809 | 1.0- | 0.5+ | 960518 691 | 0.6+ | 0.5+ |
| 931017 033 | 2.7+ | 2.4+ | 931021 809 | 1.4- | 1.2+ | 960518 691 | 0.4+ | 0.5+ |
| 931018 033 | 1.9+ | 2.9+ | 931021 809 | 0.8- | 0.9+ | 960518 691 | 0.5+ | 0.5+ |
| 931020 809 | 0.1- | 1.4- | 960511 691 | 0.2- | 0.3- | | | |

1993 VT = 1996 LY₃

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M | | P | | Q | | | |
|-----------|------------|----------|-----------|-------------|-------------|----------|---|
| 266.39687 | | (2000.0) | | Williams | | | |
| <i>n</i> | 0.22996092 | ω | 268.64916 | +0.86892899 | +0.45751360 | | |
| <i>a</i> | 2.6385583 | Ω | 64.09363 | -0.32780256 | +0.81778302 | | |
| <i>e</i> | 0.2151612 | <i>i</i> | 12.11574 | -0.37082057 | +0.34915933 | | |
| <i>P</i> | 4.29 | <i>H</i> | 13.0 | <i>G</i> | 0.15 | <i>U</i> | 4 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 931114 411 | 0.6- | 0.6- | 931123 411 | 1.4+ | 0.6+ | 960608 809 | 1.0+ | 0.5- |
| 931114 411 | 0.9+ | 0.2+ | 931123 411 | 0.8- | 0.4- | 960608 809 | 0.9+ | 0.8- |
| 931114 411 | 0.7- | 0.1+ | 931204 411 | 0.9- | 0.2+ | 960608 809 | 0.2- | 0.1- |
| 931115 411 | 0.6+ | 0.0 | 931204 411 | 0.0 | 0.2+ | 960610 809 | 0.2+ | 1.1+ |
| 931115 411 | 0.1- | 0.0 | 931204 411 | 0.6+ | 0.2+ | 960610 809 | 1.0- | 0.4- |
| 931115 411 | 0.7- | 0.5+ | 931214 411 | 0.1- | 0.5- | 960610 809 | 0.9- | 0.7+ |
| 931118 411 | 1.0- | 0.6+ | 931214 411 | 0.0 | 0.3- | | | |
| 931118 411 | 1.5+ | 1.0- | 931214 411 | 0.1- | 0.2+ | | | |

1993 VG₁ = 1961 TF₁ = 1961 TX₁ = 1975 XC₂ = 1991 DH₂ = 1996 KV₃

Id. T. Kobayashi, O. Kippes (d, MPC 2324)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M | | P | | Q | | | |
|-----------|------------|----------|-----------|-------------|-------------|----------|---|
| 208.44419 | | (2000.0) | | Williams | | | |
| <i>n</i> | 0.21665867 | ω | 315.42198 | +0.87277171 | -0.44806765 | | |
| <i>a</i> | 2.7454824 | Ω | 72.11053 | +0.48506297 | +0.75171632 | | |
| <i>e</i> | 0.2537141 | <i>i</i> | 11.74176 | +0.05462098 | +0.48389870 | | |
| <i>P</i> | 4.55 | <i>H</i> | 12.5 | <i>G</i> | 0.15 | <i>U</i> | 2 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|-------|-------|
| 611010 760 | 1.7+ | 0.2+ | 931111 400 | 0.1- | 0.4+ | 960514 566 | 0.0 | 0.4+ |
| 611010 760 | 1.1- | 1.4+ | 931111 400 | 0.9+ | 0.2- | 960522 809 | (4.8+ | 1.2+) |
| 611015 760 | 0.8- | 0.2+ | 931115 402 | 0.4- | 0.3- | 960522 809 | (4.4+ | 0.9+) |
| 611015 760 | 0.4- | 0.9- | 931115 402 | 0.1- | 0.4- | 960522 809 | (4.2+ | 1.0+) |
| 751201 095 | (8.3- | 7.6+) | 931116 402 | 0.7- | 0.5+ | 960524 809 | (3.7+ | 5.1-) |

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|-------|-------|
| 910223 493 | 0.0 | 1.6+ | 931116 402 | 0.4+ | 0.2+ | 960524 809 | (3.2+ | 4.8-) |
| 910223 493 | 0.3+ | 0.3+ | 960514 566 | 0.1- | 0.2+ | 960524 809 | (3.2+ | 4.8-) |
| 910223 493 | 0.8+ | 1.0- | 960514 566 | 0.1- | 0.1+ | | | |

1993 XO = 1951 RB₁ = 1972 VB = 1988 NG = 1996 JJ₁₅

Id. T. Kobayashi (k), S. Nakano

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M | | P | | Q | | | |
|-----------|------------|----------|-----------|-------------|-------------|----------|---|
| 236.67031 | | (2000.0) | | Nakano | | | |
| <i>n</i> | 0.23705158 | ω | 143.01905 | +0.82327290 | -0.52697165 | | |
| <i>a</i> | 2.5856762 | Ω | 250.08290 | +0.45215937 | +0.83351959 | | |
| <i>e</i> | 0.1751285 | <i>i</i> | 12.96922 | +0.34318162 | +0.16596980 | | |
| <i>P</i> | 4.16 | <i>H</i> | 12.6 | <i>G</i> | 0.15 | <i>U</i> | 3 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|--------|---------|------------|-------|-------|------------|------|------|
| 510901 094 | (50.1+ | 58.8-)X | 931217 894 | 0.7- | 0.9+ | 960515 327 | 0.3+ | 0.0 |
| 510902 094 | (0.6- | 52.6-)X | 931217 894 | (2.6- | 3.3+) | 960515 327 | 0.2+ | 0.0 |
| 721110 095 | 0.1- | 0.3+ | 931218 894 | 0.4+ | 0.3+ | 960524 327 | 0.2+ | 0.6- |
| 880712 675 | 0.1+ | 0.1- | 931218 894 | 1.6- | 0.1+ | 960524 327 | 0.0 | 0.2+ |
| 931208 894 | 0.8+ | 2.1- | 931219 894 | 0.9- | 0.5- | 960524 327 | 0.7- | 0.8- |
| 931208 894 | 2.0+ | 0.4+ | 931219 894 | 0.9+ | 0.1- | | | |
| 931209 894 | 1.1- | 0.9- | 960515 327 | 0.4+ | 0.6- | | | |

1994 BJ = 1994 EB₉ = 1975 NL₁ = 1991 JA₂

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M | | P | | Q | | | |
|-----------|------------|----------|-----------|-------------|-------------|----------|---|
| 299.63635 | | (2000.0) | | Nakano | | | |
| <i>n</i> | 0.23548247 | ω | 239.88439 | +0.96089873 | -0.21418776 | | |
| <i>a</i> | 2.5971498 | Ω | 131.86695 | +0.25302616 | +0.93663235 | | |
| <i>e</i> | 0.1863987 | <i>i</i> | 13.63023 | -0.11247839 | +0.27720649 | | |
| <i>P</i> | 4.19 | <i>H</i> | 12.5 | <i>G</i> | 0.15 | <i>U</i> | 4 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 750712 095 | 0.0 | 0.8+ | 940116 098 | 0.6+ | 0.7+ | 940212 675 | 0.1- | 0.6- |
| 910508 413 | 0.5- | 0.1+ | 940116 098 | 1.1- | 0.4+ | 940215 675 | 0.7+ | 1.6- |
| 910508 413 | 2.5+ | 1.0- | 940118 098 | 0.0 | 0.1- | 940215 675 | 1.6+ | 1.5- |
| 910511 413 | 0.2+ | 1.6- | 940118 098 | 0.7- | 0.4+ | 940312 098 | 0.3+ | 2.7+ |
| 910511 413 | 2.3- | 2.2+ | 940212 675 | 0.1+ | 0.1- | 940312 098 | 1.8- | 0.8+ |

1994 PL₁₁ = 1994 PA₃₀ = 1993 FA₆₃

Id. S. Nakano (d), G. V. Williams

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M | | P | | Q | | | |
|-----------|------------|----------|-----------|-------------|-------------|----------|---|
| 176.55697 | | (2000.0) | | Williams | | | |
| <i>n</i> | 0.26328037 | ω | 13.68728 | +0.72360769 | +0.68574143 | | |
| <i>a</i> | 2.4109622 | Ω | 302.73788 | -0.64170875 | +0.62655865 | | |
| <i>e</i> | 0.1083842 | <i>i</i> | 5.34980 | -0.25416883 | +0.37038217 | | |
| <i>P</i> | 3.74 | <i>H</i> | 14.5 | <i>G</i> | 0.15 | <i>U</i> | 4 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|-------|------------|-------|-------|------------|------|------|
| 930321 809 | 1.2- | 2.0+ | 940810 809 | (0.6- | 5.2-) | 940812 809 | 1.5- | 0.3+ |
| 930322 809 | 2.2+ | 1.0+ | 940810 809 | (1.3- | 5.0-) | 940813 809 | 1.1+ | 1.5+ |
| 930417 413 | 0.3- | 1.4- | 940811 809 | (1.5+ | 4.2-) | 940813 809 | 0.7+ | 1.2+ |
| 940519 691 | 0.1+ | 0.8- | 940811 809 | (1.1+ | 4.6-) | 940813 809 | 0.3+ | 1.5+ |
| 940519 691 | 0.4+ | 0.4- | 940811 809 | (0.9+ | 4.3-) | 940901 691 | 0.4- | 1.2- |
| 940519 691 | 1.2+ | 1.4- | 940812 809 | 0.0 | 0.3+ | 940901 691 | 0.7- | 0.2- |
| 940810 809 | (0.0 | 4.3-) | 940812 809 | 0.1+ | 0.1- | 940901 691 | 0.8- | 0.4- |

1994 RL₁ = 1994 TM₄ = 1986 VB₂ = 1990 TE₃

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

Nakano

| <i>M</i> | 156.76225 | | (2000.0) | P | Q |
|----------|------------|----------|-----------|---------------|-------------|
| <i>n</i> | 0.24275391 | ω | 153.93771 | +0.95125611 | +0.30666103 |
| <i>a</i> | 2.5450241 | Ω | 188.40468 | -0.30730218 | +0.93355949 |
| <i>e</i> | 0.2081391 | <i>i</i> | 12.93718 | -0.02602277 | +0.18554162 |
| <i>P</i> | 4.06 | <i>H</i> | 13.8 | <i>G</i> 0.15 | <i>U</i> 4 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 861103 010 | 1.0+ | 1.2- | 901017 675 | 1.0- | 1.2+ | 941002 691 | 0.1+ | 0.4- |
| 861103 010 | 1.1- | 0.4+ | 940904 411 | 0.1+ | 0.2- | 941002 691 | 0.1- | 0.5- |
| 861103 010 | 0.5+ | 0.7- | 940904 411 | 0.8+ | 0.7+ | 941013 691 | 0.1- | 0.6- |
| 901015 675 | 0.5+ | 1.8+ | 940905 411 | 0.3- | 0.3- | 941013 691 | 0.0 | 0.1- |
| 901015 675 | 0.2+ | 0.4+ | 940905 411 | 0.0 | 0.6+ | 941013 691 | 0.1+ | 0.7- |
| 901017 675 | 0.6- | 0.2+ | 941002 691 | 0.1- | 0.6- | | | |

1994 UY₁ = 1996 HH₂₅

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

Kobayashi

| <i>M</i> | 134.85518 | | (2000.0) | P | Q |
|----------|------------|----------|-----------|---------------|-------------|
| <i>n</i> | 0.30290573 | ω | 233.58377 | +0.17018842 | -0.98503617 |
| <i>a</i> | 2.1958250 | Ω | 206.65606 | +0.92239358 | +0.16895528 |
| <i>e</i> | 0.1465501 | <i>i</i> | 3.47543 | +0.34673619 | +0.03402725 |
| <i>P</i> | 3.25 | <i>H</i> | 14.4 | <i>G</i> 0.15 | <i>U</i> 5 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 941026 399 | 1.7- | 0.2- | 941104 675 | 0.9+ | 1.1- | 960420 809 | 0.1+ | 0.5- |
| 941026 399 | 1.4+ | 1.4+ | 941106 675 | 0.2+ | 0.9- | 960420 809 | 0.3+ | 0.9- |
| 941031 399 | 0.0 | 0.3+ | 941107 399 | 0.1- | 1.8+ | 960421 809 | 0.5- | 0.8+ |
| 941031 399 | 0.3- | 1.7- | 941107 399 | 1.1- | 0.8+ | 960421 809 | 0.6- | 0.7+ |
| 941104 675 | 0.6+ | 0.3- | 960420 809 | 1.2+ | 0.6- | 960421 809 | 0.5- | 0.7+ |

1994 WM₁ = 1996 LW₅

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

Williams

| <i>M</i> | 107.85375 | | (2000.0) | P | Q |
|----------|------------|----------|----------|---------------|-------------|
| <i>n</i> | 0.25797766 | ω | 35.48925 | -0.17583299 | -0.95199909 |
| <i>a</i> | 2.4438881 | Ω | 65.82558 | +0.82783795 | -0.28072642 |
| <i>e</i> | 0.0844381 | <i>i</i> | 15.94092 | +0.53269794 | +0.12202625 |
| <i>P</i> | 3.82 | <i>H</i> | 13.5 | <i>G</i> 0.15 | <i>U</i> 4 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 941127 411 | 0.9- | 0.1- | 941214 411 | 1.1+ | 1.1+ | 960608 809 | 1.0- | 0.6- |
| 941127 411 | 0.0 | 0.8+ | 941214 411 | 0.2- | 0.5- | 960610 809 | 0.0 | 0.7+ |
| 941128 411 | 0.2- | 0.0 | 941222 411 | 1.4- | 0.4+ | 960610 809 | 0.9+ | 0.2+ |
| 941128 411 | 0.3+ | 0.3- | 941222 411 | 0.0 | 0.3- | 960610 809 | 1.1+ | 0.4- |
| 941206 411 | 0.5+ | 0.7- | 960608 809 | 0.2+ | 0.5+ | | | |
| 941206 411 | 0.8+ | 0.5- | 960608 809 | 1.1- | 0.4- | | | |

1995 AO₁

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

Williams

| <i>M</i> | 91.26770 | | (2000.0) | P | Q |
|----------|------------|----------|-----------|---------------|-------------|
| <i>n</i> | 0.22158679 | ω | 307.04801 | -0.92387937 | -0.37178609 |
| <i>a</i> | 2.7046234 | Ω | 211.42136 | +0.38240943 | -0.88795507 |
| <i>e</i> | 0.3168903 | <i>i</i> | 10.01648 | +0.01448924 | -0.27075985 |
| <i>P</i> | 4.45 | <i>H</i> | 14.0 | <i>G</i> 0.15 | <i>U</i> 3 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 950110 411 | 0.0 | 0.5- | 950222 411 | 0.0 | 0.1- | 950428 801 | 0.7+ | 0.1- |
| 950110 411 | 0.2+ | 0.4- | 950222 411 | 0.4- | 0.1- | 960716 118 | 0.0 | 0.1- |

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 950110 411 | 0.2+ | 0.8- | 950320 411 | 0.1- | 0.1+ | 960717 118 | 0.3+ | 0.6- |
| 950112 411 | 1.2- | 0.5+ | 950320 411 | 0.0 | 0.2- | 960717 118 | 0.4- | 0.5+ |
| 950112 411 | 0.4- | 0.3+ | 950419 411 | 0.1- | 0.1+ | 960719 118 | 0.4+ | 0.0 |
| 950112 411 | 0.4- | 0.3+ | 950419 411 | 1.0- | 0.5+ | 960719 118 | 0.1- | 0.1+ |
| 950127 411 | 0.2+ | 0.4- | 950419 411 | 0.0 | 0.2+ | 960720 118 | 0.0 | 0.6- |
| 950127 411 | 0.4+ | 0.3- | 950426 801 | 0.1- | 0.4- | 960721 118 | 0.3- | 0.1+ |
| 950130 896 | 0.2- | 0.8+ | 950426 801 | 0.2- | 0.5- | 960721 118 | 0.0 | 0.0 |
| 950130 896 | 1.7+ | 0.5+ | 950428 801 | 0.4+ | 0.2+ | 960721 118 | 0.2+ | 0.5+ |

1995 CT₁

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

Williams

| <i>M</i> | 63.98485 | | (2000.0) | P | Q |
|----------|------------|----------|-----------|---------------|-------------|
| <i>n</i> | 0.21265440 | ω | 300.93861 | -0.72078463 | +0.44133993 |
| <i>a</i> | 2.7798400 | Ω | 270.45701 | -0.29461869 | -0.89304774 |
| <i>e</i> | 0.2587105 | <i>i</i> | 32.31106 | -0.62743075 | -0.08766303 |
| <i>P</i> | 4.63 | <i>H</i> | 12.0 | <i>G</i> 0.15 | <i>U</i> 3 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 950204 413 | 0.0 | 0.4- | 950307 413 | 0.0 | 0.1- | 960714 801 | 0.1- | 0.2+ |
| 950204 413 | 0.1+ | 1.4+ | 950307 413 | 0.1+ | 0.1- | 960714 801 | 0.1+ | 0.2- |
| 950209 413 | 0.3- | 0.1- | 950412 413 | 1.0+ | 0.1+ | 960718 801 | 0.1+ | 0.3- |
| 950209 413 | 0.5- | 0.5- | 950412 413 | 1.2+ | 0.3+ | 960718 801 | 0.3+ | 0.1+ |
| 950221 413 | 0.4- | 0.5- | 950602 413 | 0.4- | 0.0 | | | |
| 950221 413 | 0.4- | 0.5- | 950602 413 | 0.5- | 0.1- | | | |

1995 DY₁ = 1986 QA₆

Id. A. Nakamura (1996 observations), S. Nakano

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

Nakano

| <i>M</i> | 298.00045 | | (2000.0) | P | Q |
|----------|------------|----------|-----------|---------------|-------------|
| <i>n</i> | 0.29358486 | ω | 142.91040 | +0.98883913 | +0.14345247 |
| <i>a</i> | 2.2420585 | Ω | 208.91934 | -0.14866649 | +0.93234719 |
| <i>e</i> | 0.2206730 | <i>i</i> | 4.77227 | -0.00977022 | +0.33188870 |
| <i>P</i> | 3.36 | <i>H</i> | 15.0 | <i>G</i> 0.15 | <i>U</i> 4 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 860826 413 | 0.3- | 0.6- | 950306 360 | 0.2+ | 0.0 | 950407 360 | 0.6+ | 0.3+ |
| 860826 413 | 0.3+ | 0.7+ | 950306 360 | 0.5+ | 0.1- | 960710 360 | 0.2- | 0.4- |
| 950224 360 | 0.6- | 0.1- | 950306 360 | 0.4+ | 0.2+ | 960710 360 | 0.0 | 0.2- |
| 950224 360 | 0.5- | 0.2- | 950403 360 | 0.5- | 0.4- | 960710 360 | 0.0 | 0.2- |
| 950224 360 | 0.3+ | 0.0 | 950403 360 | 0.5- | 0.1- | 960711 360 | 0.2- | 0.1- |
| 950227 360 | 0.2+ | 0.1- | 950403 360 | 0.9- | 0.3- | 960711 360 | 0.1- | 0.0 |
| 950227 360 | 0.1+ | 0.2- | 950407 360 | 0.2+ | 1.2+ | 960715 360 | 0.2+ | 0.4+ |
| 950227 360 | 0.3+ | 0.2- | 950407 360 | 0.3+ | 0.1- | 960715 360 | 0.2+ | 0.3+ |

1995 HA

Id. P. Pravec (1996 observations)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

Williams

| <i>M</i> | 358.85451 | | (2000.0) | P | Q |
|----------|------------|----------|-----------|---------------|-------------|
| <i>n</i> | 0.18246207 | ω | 77.07921 | +0.33581266 | +0.93825849 |
| <i>a</i> | 3.0786075 | Ω | 212.92182 | -0.91258488 | +0.30224146 |
| <i>e</i> | 0.0829414 | <i>i</i> | 8.79195 | -0.23327813 | +0.16828876 |
| <i>P</i> | 5.40 | <i>H</i> | 15.0 | <i>G</i> 0.15 | <i>U</i> 4 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 950421 557 | 0.1- | 0.0 | 950423 557 | 0.3+ | 0.7- | 950528 557 | 0.8- | 0.0 |
| 950421 557 | 0.0 | 0.2+ | 950424 557 | 0.3- | 0.5+ | 950528 557 | 0.1- | 0.1+ |
| 950422 557 | 0.1- | 0.2+ | 950501 557 | 0.1+ | 0.9- | 950528 557 | 0.3- | 0.5+ |

| | | | | | |
|-----------------|------|-----------------|------|-----------------|------|
| 950422 557 0.5- | 0.3+ | 950501 557 0.4- | 0.4- | 960720 557 0.1+ | 0.3+ |
| 950422 557 0.1+ | 0.1- | 950502 557 0.7- | 0.8- | 960720 557 0.0 | 0.4- |
| 950422 557 0.3+ | 0.2+ | 950502 557 0.4+ | 0.9+ | 960721 557 0.2+ | 0.3+ |
| 950422 557 0.2+ | 0.2- | 950502 557 0.5+ | 0.2+ | 960721 557 0.3- | 0.3- |
| 950422 557 0.1+ | 0.3+ | 950523 557 1.1+ | 0.5- | 960721 557 0.0 | 0.0 |
| 950423 557 0.2- | 0.2- | 950523 557 0.3+ | 0.4+ | | |

1995 TB₈ = 1989 GA₄

| | | | | | |
|---|------------|--------------------|---------------|-------------|--|
| Epoch 1996 Apr. 27.0 TT = JDT 2450200.5 | | Williams | | | |
| <i>M</i> | 243.70342 | (2000.0) | P | Q | |
| <i>n</i> | 0.23691322 | ω 301.88888 | -0.94020789 | +0.33956304 | |
| <i>a</i> | 2.5866828 | Ω 257.97299 | -0.30260200 | -0.86857686 | |
| <i>e</i> | 0.0622423 | <i>i</i> 1.55682 | -0.15633670 | -0.36093098 | |
| <i>P</i> | 4.16 | <i>H</i> 14.5 | <i>G</i> 0.15 | <i>U</i> 5 | |

Residuals in seconds of arc

| | | | | | |
|-----------------|------|-----------------|------|-----------------|------|
| 890403 809 0.3- | 1.5+ | 951015 691 1.0- | 0.1- | 951023 776 0.4+ | 0.4- |
| 890403 809 1.0+ | 0.6+ | 951015 691 0.9- | 0.0 | 951023 776 0.4+ | 0.2+ |
| 890403 809 0.0 | 1.5+ | 951022 776 0.2- | 0.0 | 951023 776 1.0+ | 0.1+ |
| 890406 809 1.1- | 0.3- | 951022 776 0.1- | 0.6- | 951023 776 0.3- | 0.5- |
| 890406 809 0.6- | 1.0- | 951022 776 0.2+ | 0.0 | 951023 776 0.6+ | 0.0 |
| 890406 809 0.6- | 0.6- | 951022 776 1.2+ | 0.3+ | 951024 776 0.7+ | 0.7+ |
| 890407 809 0.7+ | 0.5- | 951022 776 0.7+ | 0.3+ | 951024 776 0.2+ | 0.6+ |
| 890407 809 0.5+ | 0.8- | 951022 776 0.1+ | 0.1- | 951024 776 0.6- | 0.4+ |
| 890407 809 1.0- | 1.2- | 951022 691 0.7- | 0.3- | 951116 691 0.1- | 0.1- |
| 890408 809 0.3+ | 0.2+ | 951022 776 0.5+ | 0.2- | 951116 691 0.0 | 0.0 |
| 890408 809 0.4- | 0.5+ | 951022 691 1.0- | 0.3- | 951116 691 0.1- | 0.1- |
| 890408 809 1.6+ | 0.1- | 951022 691 0.6- | 0.1+ | | |
| 951015 691 0.8- | 0.1+ | 951023 776 0.6+ | 0.1- | | |

1995 YJ₃

| | | | | | |
|---|------------|--------------------|---------------|-------------|--|
| Epoch 1996 Apr. 27.0 TT = JDT 2450200.5 | | Williams | | | |
| <i>M</i> | 354.77066 | (2000.0) | P | Q | |
| <i>n</i> | 0.23736846 | ω 25.53283 | -0.92379481 | -0.37660386 | |
| <i>a</i> | 2.5833745 | Ω 132.16352 | +0.33337402 | -0.87987529 | |
| <i>e</i> | 0.1951582 | <i>i</i> 5.34787 | +0.18832132 | -0.28980857 | |
| <i>P</i> | 4.15 | <i>H</i> 14.5 | <i>G</i> 0.15 | <i>U</i> 5 | |

From 16 observations 1995 Dec. 27-1996 June 20, mean residual 0".64.

1996 DQ₂ = 1980 EJ₁ = 1994 XY₂

| | | | | | |
|---|------------|--------------------|---------------|-------------|--|
| Epoch 1996 Apr. 27.0 TT = JDT 2450200.5 | | Kobayashi | | | |
| <i>M</i> | 303.45235 | (2000.0) | P | Q | |
| <i>n</i> | 0.24562298 | ω 145.73566 | -0.44212867 | +0.89254331 | |
| <i>a</i> | 2.5251667 | Ω 97.88098 | -0.84171338 | -0.37864823 | |
| <i>e</i> | 0.0490102 | <i>i</i> 5.14434 | -0.30990453 | -0.24493255 | |
| <i>P</i> | 4.01 | <i>H</i> 13.9 | <i>G</i> 0.15 | <i>U</i> 5 | |

Residuals in seconds of arc

| | | | | | |
|-----------------|------|-----------------|------|-----------------|------|
| 800315 095 1.0+ | 2.8- | 941204 691 0.0 | 0.1+ | 960223 411 0.5- | 0.9- |
| 800316 095 1.1- | 2.6+ | 941204 691 0.2+ | 0.1+ | 960227 411 0.1- | 0.3- |
| 941201 691 0.1- | 0.3- | 941204 691 0.3- | 0.2+ | 960227 411 0.6- | 0.0 |
| 941201 691 0.0 | 0.4- | 941204 691 0.1- | 0.1- | 960228 411 0.3+ | 0.3+ |
| 941201 691 0.2+ | 0.4+ | 941204 691 0.1- | 0.1- | 960228 411 0.2+ | 1.3+ |
| 941204 691 0.1+ | 0.1+ | 960223 411 0.7+ | 0.3- | | |

1996 FB₅

| | | | | | |
|---|------------|--------------------|---------------|-------------|--|
| Epoch 1996 Apr. 27.0 TT = JDT 2450200.5 | | Williams | | | |
| <i>M</i> | 337.19311 | (2000.0) | P | Q | |
| <i>n</i> | 0.28497040 | ω 56.61713 | -0.54186899 | +0.84045268 | |
| <i>a</i> | 2.2870178 | Ω 180.61926 | -0.84034335 | -0.54186870 | |
| <i>e</i> | 0.2712809 | <i>i</i> 22.62739 | -0.01417955 | -0.00419504 | |
| <i>P</i> | 3.46 | <i>H</i> 15.5 | <i>G</i> 0.15 | <i>U</i> 3 | |

From 53 observations 1996 Mar. 21-July 20, mean residual 0".48.

1996 FU₁₃ = 1983 YV = 1991 XA₄

| | | | | | |
|---|------------|--------------------|---------------|-------------|--|
| Epoch 1996 Apr. 27.0 TT = JDT 2450200.5 | | Williams | | | |
| <i>M</i> | 249.75088 | (2000.0) | P | Q | |
| <i>n</i> | 0.12520233 | ω 290.43273 | +0.95658382 | +0.22243110 | |
| <i>a</i> | 3.9572586 | Ω 57.15374 | -0.10179583 | +0.86047991 | |
| <i>e</i> | 0.2300207 | <i>i</i> 12.95463 | -0.27310255 | +0.45836528 | |
| <i>P</i> | 7.87 | <i>H</i> 11.5 | <i>G</i> 0.15 | <i>U</i> 3 | |

Residuals in seconds of arc

| | | | | | |
|-----------------|------|-----------------|------|-----------------|------|
| 831228 033 0.5+ | 0.9- | 960318 691 0.1+ | 0.0 | 960608 809 1.7+ | 2.7+ |
| 831229 033 0.1+ | 0.5- | 960324 691 0.3- | 0.4- | 960608 809 1.5+ | 2.2+ |
| 831229 033 0.6+ | 0.6- | 960324 691 0.0 | 0.2- | 960608 809 0.9+ | 2.7+ |
| 911201 675 0.6- | 1.6+ | 960324 691 0.7- | 0.2- | 960610 809 1.9- | 1.9- |
| 911201 675 0.3- | 0.4+ | 960409 691 0.1- | 0.0 | 960610 809 0.6- | 2.0- |
| 960318 691 0.0 | 0.0 | 960409 691 0.1- | 0.1- | 960610 809 0.7- | 2.4- |
| 960318 691 0.2+ | 0.0 | 960409 691 0.1+ | 0.2- | | |

1996 GG₅ = 1995 AH₄

| | | | | | |
|---|------------|--------------------|---------------|-------------|--|
| Epoch 1996 Apr. 27.0 TT = JDT 2450200.5 | | Kobayashi | | | |
| <i>M</i> | 189.72676 | (2000.0) | P | Q | |
| <i>n</i> | 0.26118260 | ω 305.74000 | +0.97292645 | -0.21961924 | |
| <i>a</i> | 2.4238545 | Ω 67.04336 | +0.22913551 | +0.87593803 | |
| <i>e</i> | 0.2233980 | <i>i</i> 4.48362 | +0.03018350 | +0.42953457 | |
| <i>P</i> | 3.77 | <i>H</i> 15.1 | <i>G</i> 0.15 | <i>U</i> 6 | |

Residuals in seconds of arc

| | | | | | |
|-----------------|------|-----------------|------|-----------------|------|
| 950102 010 0.0 | 0.0 | 960411 691 0.2+ | 1.0+ | 960423 691 0.1- | 0.3- |
| 950102 010 0.2+ | 1.0- | 960411 691 0.1+ | 0.0 | 960423 691 0.2+ | 0.1- |
| 950103 010 0.3- | 1.3+ | 960412 691 0.3- | 0.1- | 960423 691 0.2- | 0.0 |
| 950104 010 0.2+ | 0.3- | 960412 691 0.0 | 0.3- | | |
| 960411 691 0.1- | 0.0 | 960412 691 0.3+ | 0.2- | | |

1996 GE₂₀ = 1993 TJ₂₆

| | | | | | |
|---|------------|--------------------|---------------|-------------|--|
| Epoch 1996 Apr. 27.0 TT = JDT 2450200.5 | | Williams | | | |
| <i>M</i> | 252.63544 | (2000.0) | P | Q | |
| <i>n</i> | 0.22163978 | ω 261.44438 | +0.85857089 | +0.50722194 | |
| <i>a</i> | 2.7041923 | Ω 68.04684 | -0.43299054 | +0.79539069 | |
| <i>e</i> | 0.0577420 | <i>i</i> 4.62037 | -0.27454548 | +0.33178239 | |
| <i>P</i> | 4.45 | <i>H</i> 13.5 | <i>G</i> 0.15 | <i>U</i> 4 | |

Residuals in seconds of arc

| | | | | | |
|-----------------|------|-----------------|------|-----------------|------|
| 931009 809 0.5- | 1.2- | 931020 809 0.7- | 0.2+ | 960417 809 0.1- | 0.9+ |
| 931009 809 0.0 | 1.4- | 931020 809 1.6- | 0.1- | 960608 809 0.9- | 0.9- |
| 931009 809 0.5- | 1.4- | 960415 809 0.5+ | 1.2- | 960608 809 2.3- | 0.7- |
| 931011 809 1.9+ | 1.1+ | 960415 809 0.4+ | 0.5- | 960608 809 1.1- | 0.5- |
| 931011 809 0.6+ | 0.8+ | 960415 809 0.2- | 0.7- | 960610 809 1.6+ | 0.4+ |
| 931011 809 1.3+ | 1.1+ | 960417 809 0.5- | 0.8+ | 960610 809 1.4+ | 1.3+ |
| 931020 809 0.4- | 0.8+ | 960417 809 0.6- | 0.5+ | 960610 809 1.8+ | 0.8+ |

1996 GG₂₀ = 1978 WL₁₉

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | Williams | |
|----------|------------|--------------------|--------------------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>n</i> | 0.19834256 | ω 216.34185 | +0.99426357 +0.10270656 |
| <i>a</i> | 2.9120049 | Ω 137.73234 | -0.08465468 +0.92626258 |
| <i>e</i> | 0.1298565 | <i>i</i> 2.54407 | -0.06537234 +0.36261412 |
| <i>P</i> | 4.97 | <i>H</i> 13.5 | <i>G</i> 0.15 <i>U</i> 5 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 781130 675 | 0.6- | 0.4+ | 960417 809 | 0.4+ | 0.7+ | 960608 809 | 0.2- | 1.6- |
| 781201 675 | 0.6+ | 0.3- | 960417 809 | 0.4+ | 0.0 | 960610 809 | 0.8+ | 2.1+ |
| 960415 809 | 0.1+ | 0.4- | 960417 809 | 0.3+ | 0.2+ | 960610 809 | 0.0 | 1.4+ |
| 960415 809 | 0.5- | 0.5+ | 960608 809 | 0.2- | 1.4- | 960610 809 | 0.4- | 1.9+ |
| 960415 809 | 0.8- | 1.1- | 960608 809 | 0.2+ | 2.2- | | | |

1996 GD₂₁ = 1990 RM₆

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | Williams | |
|----------|------------|--------------------|--------------------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>n</i> | 0.29917770 | ω 87.81132 | -0.07144985 +0.99744233 |
| <i>a</i> | 2.2140287 | Ω 178.08822 | -0.93655176 -0.06642353 |
| <i>e</i> | 0.0886228 | <i>i</i> 3.30944 | -0.34317011 -0.02639516 |
| <i>P</i> | 3.29 | <i>H</i> 16.0 | <i>G</i> 0.15 <i>U</i> 5 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 900910 809 | 0.7- | 0.2- | 900911 809 | 0.6+ | 0.4+ | 960418 809 | 1.5+ | 0.4+ |
| 900910 809 | 0.1- | 0.5- | 960413 691 | 1.3- | 0.1- | 960418 809 | 1.5+ | 0.1+ |
| 900910 809 | 0.5+ | 0.3- | 960413 691 | 1.2- | 0.4- | 960520 566 | 0.4- | 0.3- |
| 900911 809 | 0.5- | 0.3+ | 960413 691 | 1.3- | 0.5+ | 960520 566 | 0.3+ | 0.4- |
| 900911 809 | 0.1+ | 0.5+ | 960418 809 | 1.3+ | 0.8+ | 960520 566 | 0.4- | 0.4- |

1996 HX

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | Williams | |
|----------|------------|--------------------|--------------------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>n</i> | 0.18812626 | ω 316.96822 | +0.76313132 +0.64622192 |
| <i>a</i> | 3.0164984 | Ω 2.79016 | -0.55960772 +0.66488596 |
| <i>e</i> | 0.1697683 | <i>i</i> 6.22097 | -0.32321788 +0.37459831 |
| <i>P</i> | 5.24 | <i>H</i> 14.5 | <i>G</i> 0.15 <i>U</i> 5 |

From 21 observations 1996 Apr. 19–July 9, mean residual 0".21.

1996 HM₁₁ = 1976 SB₉ = 1992 LJ₃ = 1993 TS₄₃

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | Williams | |
|----------|------------|--------------------|--------------------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>n</i> | 0.23313384 | ω 127.17292 | +0.75366767 +0.65712507 |
| <i>a</i> | 2.6145633 | Ω 191.76545 | -0.62155498 +0.70610747 |
| <i>e</i> | 0.0687355 | <i>i</i> 3.68433 | -0.21366902 +0.26381600 |
| <i>P</i> | 4.23 | <i>H</i> 14.0 | <i>G</i> 0.15 <i>U</i> 2 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 760929 095 | 0.7- | 1.9+ | 931022 809 | 0.1- | 1.0- | 960608 809 | 0.7- | 0.4- |
| 920603 809 | 1.7+ | 0.8+ | 931022 809 | 1.0- | 1.1- | 960608 809 | 0.5- | 1.1- |
| 920603 809 | 0.3- | 0.7+ | 960417 809 | 0.9+ | 0.2- | 960608 809 | 1.0- | 0.3- |
| 920603 809 | 0.9- | 0.3+ | 960417 809 | 0.6+ | 0.9+ | 960610 809 | 0.6- | 1.4- |
| 931010 809 | 1.6+ | 0.6+ | 960417 809 | 0.0 | 0.7+ | 960610 809 | 0.8- | 0.2+ |
| 931010 809 | 0.4+ | 0.6- | 960418 809 | 0.7+ | 0.5- | 960610 809 | 0.1- | 0.3- |
| 931010 809 | 0.8- | 0.3- | 960418 809 | 0.0 | 0.5- | | | |
| 931022 809 | 1.1+ | 1.4- | 960418 809 | 0.2- | 0.7- | | | |

1996 HL₁₂ = 1992 EG₂₈

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | Spahr | |
|----------|------------|--------------------|--------------------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>n</i> | 0.26719096 | ω 238.25568 | -0.78500408 +0.61947866 |
| <i>a</i> | 2.3873799 | Ω 340.02156 | -0.56449659 -0.71785995 |
| <i>e</i> | 0.1384451 | <i>i</i> 0.64485 | -0.25517091 -0.31768427 |
| <i>P</i> | 3.69 | <i>H</i> 15.5 | <i>G</i> 0.15 <i>U</i> 5 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 920308 809 | 0.6+ | 0.6+ | 960418 809 | 0.0 | 0.1- | 960519 809 | 1.1+ | 0.5- |
| 920309 809 | 0.3- | 0.3+ | 960418 809 | 0.6- | 0.5- | 960522 809 | 0.1- | 1.1+ |
| 960417 809 | 0.5- | 0.2- | 960418 809 | 0.5+ | 0.8- | 960522 809 | 1.0- | 1.1+ |
| 960417 809 | 0.1- | 1.1- | 960519 809 | 1.6+ | 0.1- | 960522 809 | 1.2- | 2.2+ |
| 960417 809 | 1.0- | 1.0- | 960519 809 | 1.2+ | 0.6- | | | |

1996 HX₁₂

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | Williams | |
|----------|------------|--------------------|--------------------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>n</i> | 0.24055256 | ω 92.32377 | +0.42302515 +0.90507577 |
| <i>a</i> | 2.5605272 | Ω 202.85605 | -0.86945546 +0.39194139 |
| <i>e</i> | 0.1857375 | <i>i</i> 6.42221 | -0.25514099 +0.16498421 |
| <i>P</i> | 4.10 | <i>H</i> 14.0 | <i>G</i> 0.15 <i>U</i> 5 |

From 21 observations 1996 Mar. 23–June 10, mean residual 0".87.

1996 HD₁₃

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | Williams | |
|----------|------------|--------------------|--------------------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>n</i> | 0.28176004 | ω 127.49958 | +0.66710943 +0.74495139 |
| <i>a</i> | 2.3043571 | Ω 184.34979 | -0.69732342 +0.62277845 |
| <i>e</i> | 0.1663665 | <i>i</i> 2.66529 | -0.26211648 +0.23915358 |
| <i>P</i> | 3.50 | <i>H</i> 14.5 | <i>G</i> 0.15 <i>U</i> 5 |

From 21 observations 1996 Mar. 23–June 10, mean residual 0".83.

1996 HT₁₄ = 1981 VE₂ = 1990 HW₃ = 1992 RW₅

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | Williams | |
|----------|------------|--------------------|--------------------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>n</i> | 0.17135260 | ω 86.74058 | -0.92628145 +0.37504099 |
| <i>a</i> | 3.2102751 | Ω 115.28365 | -0.35985125 -0.85142875 |
| <i>e</i> | 0.0970053 | <i>i</i> 2.32620 | -0.11184698 -0.36662424 |
| <i>P</i> | 5.75 | <i>H</i> 13.0 | <i>G</i> 0.15 <i>U</i> 4 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 811103 033 | 0.9+ | 0.2- | 920903 809 | 0.6- | 0.1+ | 960519 809 | 1.9+ | 1.6+ |
| 811103 033 | 0.6+ | 0.8- | 960417 809 | 2.1- | 1.6- | 960519 809 | 2.7+ | 0.9+ |
| 900418 372 | 0.9- | 1.1- | 960417 809 | 2.3- | 1.7- | 960519 809 | 2.2+ | 1.2+ |
| 900418 372 | 1.2- | 0.7- | 960417 809 | 2.2- | 2.1- | 960522 809 | 0.4+ | 1.3+ |
| 920902 809 | 0.4- | 1.4- | 960418 809 | 0.3- | 1.0- | 960522 809 | 0.1+ | 1.5+ |
| 920902 809 | 0.5+ | 1.1- | 960418 809 | 0.2+ | 1.2- | 960522 809 | 0.3- | 1.4+ |
| 920902 809 | 0.2+ | 0.6- | 960418 809 | 0.9+ | 1.6- | | | |

1996 HJ₁₅ = 1993 QF₈

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M | | P | | Q | |
|-----------|------------|----------|-----------|-------------|-------------|
| 354.42884 | | (2000.0) | | Spahr | |
| <i>n</i> | 0.24625622 | ω | 86.94826 | -0.69121449 | +0.72253867 |
| <i>a</i> | 2.5208359 | Ω | 139.31567 | -0.67049601 | -0.63469404 |
| <i>e</i> | 0.0359533 | <i>i</i> | 1.11319 | -0.26955079 | -0.27404624 |
| <i>P</i> | 4.00 | <i>H</i> | 14.0 | <i>G</i> | 0.15 |
| | | | | <i>U</i> | 6 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 930820 809 | 0.3+ | 0.1- | 960417 809 | 0.1- | 1.6- | 960418 809 | 1.8- | 0.3+ |
| 930820 809 | 0.0 | 0.4+ | 960417 809 | 0.9- | 1.9- | 960519 809 | 1.1+ | 1.6+ |
| 930820 809 | 0.2- | 0.7+ | 960418 809 | 0.2+ | 1.4- | 960519 809 | 0.6+ | 1.4+ |
| 930824 809 | 0.3- | 0.2- | 960418 809 | 1.0+ | 0.9- | 960519 809 | 0.8+ | 1.9+ |
| 930824 809 | 0.5+ | 1.0- | 960418 809 | 1.0+ | 0.5- | 960522 809 | 0.7+ | 0.9+ |
| 930824 809 | 0.1+ | 1.0- | 960418 809 | 1.1- | 0.1- | 960522 809 | 0.1+ | 0.2+ |
| 960417 809 | 0.0 | 0.8- | 960418 809 | 1.2- | 0.2- | 960522 809 | 0.4- | 0.3+ |

1996 JJ₁ = 1972 TU₉ = 1980 FE₁

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M | | P | | Q | |
|-----------|------------|----------|-----------|-------------|-------------|
| 292.15626 | | (2000.0) | | Ichikawa | |
| <i>n</i> | 0.19307979 | ω | 124.40076 | +0.52313732 | +0.85220915 |
| <i>a</i> | 2.9646824 | Ω | 177.10519 | -0.82540944 | +0.50902913 |
| <i>e</i> | 0.0468156 | <i>i</i> | 9.32138 | -0.21219473 | +0.12095005 |
| <i>P</i> | 5.10 | <i>H</i> | 13.7 | <i>G</i> | 0.15 |
| | | | | <i>U</i> | 4 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 721009 033 | 0.1- | 0.1+ | 800317 809 | 0.7+ | 0.3- | 960515 566 | 1.1+ | 0.2- |
| 721009 033 | 1.1+ | 0.3+ | 800317 809 | 0.3+ | 0.2- | 960515 566 | 1.4+ | 0.3- |
| 721009 033 | 0.6- | 0.1- | 800317 809 | 0.4- | 0.1+ | 960516 566 | 1.2+ | 0.4+ |
| 721009 033 | 0.5- | 0.3- | 800317 809 | 0.6- | 0.4- | 960516 566 | 1.4+ | 0.1- |
| 800316 809 | 0.4- | 0.6+ | 960510 691 | 1.2- | 0.2+ | 960516 566 | 1.3+ | 0.5- |
| 800316 809 | 0.1+ | 0.0 | 960510 691 | 1.3- | 0.2+ | 960517 691 | 1.9- | 0.5+ |
| 800316 809 | 0.2+ | 0.1- | 960510 691 | 1.1- | 0.2+ | 960517 691 | 1.3- | 0.0 |
| 800316 809 | 0.0 | 0.3+ | 960515 566 | 1.5+ | 0.7- | 960517 691 | 1.2- | 0.3+ |

1996 JF₃ = 1990 SN₂

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M | | P | | Q | |
|-----------|------------|----------|-----------|-------------|-------------|
| 210.31159 | | (2000.0) | | Williams | |
| <i>n</i> | 0.28045721 | ω | 305.45456 | +0.96053994 | -0.25149094 |
| <i>a</i> | 2.3114880 | Ω | 69.37136 | +0.27803178 | +0.85612907 |
| <i>e</i> | 0.1471790 | <i>i</i> | 7.29323 | +0.00783277 | +0.45143696 |
| <i>P</i> | 3.51 | <i>H</i> | 14.5 | <i>G</i> | 0.15 |
| | | | | <i>U</i> | 4 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 900917 675 | 0.0 | 0.3- | 960509 691 | 0.2- | 0.0 | 960608 809 | 1.1+ | 0.8- |
| 900917 675 | 0.5- | 0.2+ | 960509 691 | 0.0 | 0.5- | 960608 809 | 1.2+ | 1.0+ |
| 900919 675 | 0.1+ | 0.7- | 960509 691 | 0.1- | 0.2+ | 960610 809 | 0.9- | 0.3- |
| 900919 675 | 0.4+ | 0.7+ | 960515 691 | 0.5- | 0.2+ | 960610 809 | 1.6- | 0.2+ |
| 960421 691 | 0.3+ | 0.0 | 960515 691 | 1.2- | 0.3+ | 960610 809 | 0.7- | 0.6- |
| 960421 691 | 0.5+ | 0.2- | 960515 691 | 0.7- | 0.2- | | | |
| 960421 691 | 0.4+ | 0.0 | 960608 809 | 2.4+ | 0.7+ | | | |

1996 JF₉ = 1995 CO₅

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M | | P | | Q | |
|-----------|------------|----------|-----------|-------------|-------------|
| 337.18896 | | (2000.0) | | Williams | |
| <i>n</i> | 0.18982608 | ω | 108.00222 | -0.11815116 | +0.99169163 |
| <i>a</i> | 2.9984637 | Ω | 155.04342 | -0.95057316 | -0.09814055 |
| <i>e</i> | 0.1978611 | <i>i</i> | 6.92503 | -0.28714277 | -0.08316333 |
| <i>P</i> | 5.19 | <i>H</i> | 16.0 | <i>G</i> | 0.15 |
| | | | | <i>U</i> | 4 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 950201 691 | 0.0 | 0.8- | 960512 691 | 0.5- | 0.3- | 960608 691 | 0.2- | 0.1+ |
| 950201 691 | 0.3+ | 0.0 | 960515 691 | 0.8+ | 0.2+ | 960608 691 | 0.1+ | 0.0 |
| 950201 691 | 0.0 | 0.4- | 960515 691 | 0.5+ | 0.1+ | 960615 691 | 0.5+ | 0.1- |
| 950204 691 | 0.2- | 0.9+ | 960515 691 | 0.6+ | 0.1+ | 960615 691 | 0.0 | 0.0 |
| 950204 691 | 0.0 | 0.3+ | 960524 691 | 0.7- | 0.4+ | 960615 691 | 0.3+ | 0.2- |
| 950204 691 | 0.2- | 0.0 | 960524 691 | 0.0 | 0.1+ | 960620 691 | 0.2+ | 0.1+ |
| 960512 691 | 0.3- | 0.0 | 960524 691 | 0.1- | 0.1- | 960620 691 | 0.6- | 0.0 |
| 960512 691 | 0.4- | 0.1- | 960608 691 | 0.1- | 0.0 | 960620 691 | 0.0 | 0.3- |

1996 JK₁₆ = 1982 DW₅ = 1984 SN₇

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M | | P | | Q | |
|-----------|------------|----------|-----------|-------------|-------------|
| 223.08393 | | (2000.0) | | Williams | |
| <i>n</i> | 0.22568599 | ω | 231.73316 | +0.96066198 | -0.26498224 |
| <i>a</i> | 2.6717736 | Ω | 143.41837 | +0.27771843 | +0.91549537 |
| <i>e</i> | 0.0908623 | <i>i</i> | 8.01958 | +0.00101878 | +0.30274187 |
| <i>P</i> | 4.37 | <i>H</i> | 13.5 | <i>G</i> | 0.15 |
| | | | | <i>U</i> | 4 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 820225 010 | 0.5+ | 1.3- | 960515 691 | 0.7- | 0.3+ | 960608 691 | 0.5- | 0.3+ |
| 820226 010 | 1.0+ | 1.9+ | 960515 691 | 0.8- | 0.5- | 960608 691 | 0.6+ | 0.3+ |
| 820227 010 | 2.0- | 1.4- | 960515 691 | 0.7- | 0.3- | 960615 691 | 0.8+ | 0.4- |
| 820228 010 | 0.5+ | 0.8+ | 960523 691 | 0.3+ | 0.1+ | 960615 691 | 0.2- | 0.1- |
| 840924 071 | 1.8- | 0.6- | 960523 691 | 1.0+ | 0.1- | 960615 691 | 0.2- | 0.1+ |
| 840925 071 | 0.3+ | 0.5+ | 960523 691 | 0.6+ | 0.1- | | | |
| 840925 071 | 1.5+ | 0.1+ | 960608 691 | 0.3- | 0.4+ | | | |

1996 KQ = 1952 UP = 1977 EH₄ = 1978 RZ₃ = 1989 NR₁ = 1989 PY₁ = 1993 PV₇

Id. K. Ichikawa, B. G. Marsden, S. Nakano

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| M | | P | | Q | |
|-----------|------------|----------|-----------|-------------|-------------|
| 267.80801 | | (2000.0) | | Nakano | |
| <i>n</i> | 0.26263556 | ω | 167.13950 | +0.79099382 | +0.61010222 |
| <i>a</i> | 2.4149067 | Ω | 155.08680 | -0.57053792 | +0.76261524 |
| <i>e</i> | 0.1416540 | <i>i</i> | 6.25142 | -0.22094174 | +0.21492619 |
| <i>P</i> | 3.75 | <i>H</i> | 13.8 | <i>G</i> | 0.15 |
| | | | | <i>U</i> | 2 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 521023 760 | 1.3- | 2.0+ | 930816 010 | 0.9+ | 1.6+ | 960528 560 | 0.8+ | 0.5+ |
| 770315 381 | (2.8+ | 1.1-) | 930817 010 | 1.2- | 1.1- | 960528 560 | 0.1+ | 0.5+ |
| 770315 381 | 2.0+ | 1.1- | 930817 010 | 0.8+ | 0.6- | 960528 560 | 1.0+ | 0.4+ |
| 780903 095 | (4.8- | 1.8-) | 960520 560 | 0.8- | 0.6- | 960604 560 | 0.8+ | 0.4- |
| 890707 675 | 1.0+ | 0.1+ | 960520 560 | 0.7- | 0.3+ | 960604 560 | 0.2- | 0.2- |
| 890707 675 | 0.4- | 0.7+ | 960520 560 | 0.6- | 1.0+ | 960604 560 | 1.1+ | 0.2- |
| 890802 675 | (2.4- | 5.2+) | 960521 560 | 1.1- | 0.0 | 960610 560 | 0.9+ | 0.4- |
| 890802 675 | 0.7- | 1.0+ | 960521 560 | 1.4- | 1.1+ | 960610 560 | 0.0 | 0.6- |
| 930815 010 | 0.4+ | 0.3- | 960521 560 | 0.7- | 1.5+ | 960611 560 | 0.2+ | 0.0 |

930815 010 0.3+ 0.2- 960522 560 0.6- 0.5-
 930815 010 0.1+ 1.5- 960522 560 0.2- 0.7-

1996 KX₂ = 1988 QM₁ = 1988 SM₃

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | Williams | | | | | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>M</i> | 268.52701 | (2000.0) | | P | Q | | |
| <i>n</i> | 0.22839428 | ω | 178.20336 | +0.98513021 | +0.16927452 | | |
| <i>a</i> | 2.6506104 | Ω | 171.87133 | -0.16011196 | +0.96658329 | | |
| <i>e</i> | 0.1316700 | <i>i</i> | 12.00259 | -0.06231079 | +0.19251724 | | |
| <i>P</i> | 4.32 | <i>H</i> | 13.5 | <i>G</i> | 0.15 | <i>U</i> | 4 |

Residuals in seconds of arc

| |
|--|
| 880820 413 0.5- 0.7- 960524 327 0.3- 0.1- 960613 327 0.6+ 0.3+ |
| 880820 413 0.0 0.4+ 960527 327 0.1- 0.2+ 960613 327 0.1+ 0.4+ |
| 880916 095 0.5+ 0.6+ 960527 327 0.2+ 0.1+ 960623 327 0.3- 0.5- |
| 880916 095 (3.1+ 6.8-) 960527 327 0.9+ 0.0 960623 327 0.0 0.9- |
| 960520 327 0.1+ 0.3- 960528 327 1.0+ 0.1- 960623 327 0.3- 0.3- |
| 960520 327 0.0 0.1+ 960528 327 0.3- 0.1+ 960623 327 0.1- 0.3+ |
| 960520 327 0.2+ 0.1- 960528 327 1.7- 0.3+ 960706 658 0.3- 0.3- |
| 960524 327 0.2+ 0.0 960528 327 0.2- 1.2+ 960706 658 0.2- 0.3- |
| 960524 327 0.1+ 0.3- 960613 327 0.6+ 0.4+ 960706 658 0.3- 0.3- |

1996 LH = 1977 DR₁₀ = 1992 EM₂₈ = 1993 QZ₄

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | Williams | | | | | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>M</i> | 339.42682 | (2000.0) | | P | Q | | |
| <i>n</i> | 0.26225296 | ω | 231.69579 | -0.63289940 | +0.77423111 | | |
| <i>a</i> | 2.4172549 | Ω | 359.03202 | -0.66517532 | -0.54515460 | | |
| <i>e</i> | 0.1080469 | <i>i</i> | 7.24185 | -0.39620720 | -0.32151616 | | |
| <i>P</i> | 3.76 | <i>H</i> | 15.0 | <i>G</i> | 0.15 | <i>U</i> | 2 |

Residuals in seconds of arc

| |
|---|
| 770219 381 0.8- 0.3- 960616 696 0.8- 0.0 960621 709 0.4+ 0.6- |
| 770219 381 0.6+ 0.0 960619 696 0.3- 0.4- 960621 709 0.4+ 0.5- |
| 920308 809 1.1+ 1.0+ 960619 696 0.6- 0.2+ 960621 709 0.3+ 0.6- |
| 920309 809 0.2- 0.5+ 960619 696 0.1+ 0.0 960621 709 0.4+ 0.6- |
| 930819 675 1.2- 0.3- 960619 696 0.5- 0.6+ 960621 709 0.3+ 0.5- |
| 930819 675 0.2- 0.2+ 960620 709 0.1+ 0.1- 960621 709 0.4+ 0.6- |
| 930822 675 0.8+ 1.5+ 960620 709 0.1+ 0.1+ 960621 709 0.3+ 0.6- |
| 930822 675 (0.4- 4.1+) 960620 709 0.1+ 0.0 960621 709 0.2+ 0.5- |
| 960610 696 0.3+ 0.9+ 960620 709 0.0 0.1- 960621 709 0.4+ 0.6- |
| 960610 696 0.0 0.6+ 960620 709 0.2+ 0.1+ 960621 709 0.2+ 0.5- |
| 960610 696 0.0 0.7+ 960620 709 0.2+ 0.1+ 960624 696 0.4- 0.3- |
| 960610 696 0.0 0.6+ 960620 709 0.2+ 0.1- 960624 696 1.0- 0.1- |
| 960611 696 0.3- 0.9+ 960620 709 0.1+ 0.1+ 960624 696 0.6- 0.1- |
| 960611 696 0.7- 0.9+ 960620 709 0.1+ 0.0 960708 709 0.5- 0.2- |
| 960611 696 0.6+ 0.8+ 960620 709 0.1+ 0.0 960708 709 0.0 0.2- |
| 960616 696 0.1- 0.1+ 960620 709 0.0 0.1- 960719 696 0.4- 0.2+ |
| 960616 696 0.1+ 0.2+ 960620 709 0.3+ 0.2+ |
| 960616 696 0.7- 0.1- 960621 709 0.3+ 0.5- |

**1996 LO = 1952 UX₁ = 1956 TU = 1970 ED₂ = 1979 HJ₆ = 1982 BB₄
= 1991 GF₁₂**

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | Williams | | | | | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>M</i> | 201.90852 | (2000.0) | | P | Q | | |
| <i>n</i> | 0.24000244 | ω | 248.13434 | +0.37427937 | -0.92731594 | | |
| <i>a</i> | 2.5644384 | Ω | 179.88445 | +0.89806841 | +0.36238976 | | |
| <i>e</i> | 0.1779113 | <i>i</i> | 9.00365 | +0.23105860 | +0.09358849 | | |
| <i>P</i> | 4.11 | <i>H</i> | 12.0 | <i>G</i> | 0.15 | <i>U</i> | 2 |

Residuals in seconds of arc

| |
|--|
| 521021 760 2.3- 0.2+ 820121 381 0.6- 1.9+ 960609 327 0.6+ 0.1- |
| 521021 760 (3.7+ 1.3+) 820121 381 0.4- 0.4+ 960609 327 0.2+ 0.7+ |
| 561011 760 (1.0- 3.5+) 910414 399 0.5+ 0.2- 960609 327 0.3- 0.9+ |
| 561011 760 1.7+ 1.3+ 910414 399 0.7- 0.5+ 960625 327 0.2+ 0.0 |
| 700304 805 0.7+ 1.0- 960607 327 0.2+ 0.1- 960625 327 0.2+ 0.2- |
| 700304 805 1.1+ 0.2- 960607 327 0.4+ 0.3+ 960625 327 0.9- 0.0 |
| 700304 805 0.9+ 0.5+ 960607 327 0.2+ 1.0+ 960625 327 0.1+ 0.4- |
| 790428 095 0.5- 0.4+ 960607 327 0.2- 0.5+ |
| 790430 095 1.4- 0.4+ 960609 327 0.2+ 0.4+ |

1996 LX₂ = 6751 P-L

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | Williams | | | | | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>M</i> | 81.80149 | (2000.0) | | P | Q | | |
| <i>n</i> | 0.26599918 | ω | 326.97352 | -0.78809972 | -0.61546569 | | |
| <i>a</i> | 2.3945056 | Ω | 175.00530 | +0.58680410 | -0.75612512 | | |
| <i>e</i> | 0.0655217 | <i>i</i> | 6.62235 | +0.18590260 | -0.22243377 | | |
| <i>P</i> | 3.71 | <i>H</i> | 16.0 | <i>G</i> | 0.15 | <i>U</i> | 6 |

Residuals in seconds of arc

| |
|--|
| 600924 675 1.5- 0.2+ 600928 675 0.7+ 0.7+ 960617 691 0.1- 0.1- |
| 600924 675 0.4+ 0.7- 960611 691 0.2- 0.0 960617 691 0.2- 0.1- |
| 600926 675 0.6+ 0.8- 960611 691 0.1- 0.2- 960623 691 0.2- 0.1+ |
| 600926 675 0.2- 0.7+ 960611 691 0.3+ 0.2+ 960623 691 0.3+ 0.1+ |
| 600928 675 0.0 0.1- 960617 691 0.2+ 0.0 960623 691 0.1- 0.0 |

1996 MQ

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | Williams | | | | | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>M</i> | 340.45454 | (2000.0) | | P | Q | | |
| <i>n</i> | 0.26192104 | ω | 28.17921 | +0.36203513 | +0.93017311 | | |
| <i>a</i> | 2.4192967 | Ω | 263.10030 | -0.86635378 | +0.31164530 | | |
| <i>e</i> | 0.5753997 | <i>i</i> | 3.51685 | -0.34403736 | +0.19404946 | | |
| <i>P</i> | 3.76 | <i>H</i> | 24.5 | <i>G</i> | 0.15 | <i>U</i> | 5 |

From 72 observations 1996 June 24-July 17, mean residual 0^o.77.**1996 MR = 1995 FW₆**

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | Williams | | | | | |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>M</i> | 333.49376 | (2000.0) | | P | Q | | |
| <i>n</i> | 0.26630987 | ω | 193.31246 | +0.84902537 | +0.52569441 | | |
| <i>a</i> | 2.3926429 | Ω | 134.84280 | -0.47765995 | +0.80652157 | | |
| <i>e</i> | 0.3496248 | <i>i</i> | 4.28088 | -0.22582491 | +0.27049646 | | |
| <i>P</i> | 3.70 | <i>H</i> | 16.5 | <i>G</i> | 0.15 | <i>U</i> | 4 |

Residuals in seconds of arc

| |
|--|
| 950323 691 0.0 0.0 960626 557 0.1- 0.1+ 960715 566 0.4+ 0.5- |
| 950323 691 0.0 0.1- 960626 557 0.5+ 0.1- 960720 046 0.4- 0.3- |
| 950323 691 0.7- 0.4- 960626 557 0.4+ 0.0 960720 046 0.1- 0.4- |
| 950329 691 0.1+ 0.4+ 960626 557 0.6- 0.4+ 960720 046 0.4- 0.4- |

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 950329 | 691 | 0.1- | 0.1- | 960626 | 557 | 0.4+ | 0.1- | 960720 | 046 | 0.4+ | 0.6- |
| 950329 | 691 | 0.7+ | 0.0 | 960626 | 696 | 0.2- | 0.0 | 960720 | 046 | 0.3+ | 0.2- |
| 960622 | 566 | 0.4+ | 0.4- | 960626 | 696 | 0.3+ | 0.1+ | 960721 | 566 | 0.1- | 0.1- |
| 960622 | 566 | 0.3+ | 0.3- | 960628 | 104 | 0.2- | 1.3+ | 960721 | 566 | 0.2+ | 0.3- |
| 960622 | 566 | 0.1+ | 0.4- | 960628 | 104 | 1.3- | 1.0+ | 960721 | 566 | 0.2- | 0.3- |
| 960625 | 696 | 0.1+ | 0.3- | 960628 | 104 | 1.4- | 0.8+ | 960727 | 046 | 0.4+ | 0.5+ |
| 960625 | 696 | 0.1+ | 0.4- | 960628 | 104 | 0.0 | 0.8+ | 960727 | 046 | 0.0 | 0.4+ |
| 960625 | 696 | 0.3+ | 0.2- | 960715 | 566 | 0.1+ | 0.3- | 960727 | 046 | 0.1- | 0.5+ |
| 960626 | 557 | 0.5+ | 0.4- | 960715 | 566 | 0.3- | 0.3- | 960727 | 046 | 0.1+ | 0.6+ |

1996 NX = 1991 CM₂ = 1991 GM₁

Id. T. Urata

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | | | | | | | | | | |
|----------|------------|----------|-----------|----------|------|----------|---|--|--|--|--|
| <i>M</i> | 32.00064 | | | (2000.0) | | | | | | | |
| <i>n</i> | 0.23875961 | ω | 319.11138 | | | | | | | | |
| <i>a</i> | 2.5733300 | Ω | 271.45971 | | | | | | | | |
| <i>e</i> | 0.0565844 | <i>i</i> | 14.03115 | | | | | | | | |
| <i>P</i> | 4.13 | <i>H</i> | 12.6 | <i>G</i> | 0.15 | <i>U</i> | 5 | | | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----------|-------|------|--------|-----|------|------|--------|-----|------|------|
| 910211 | 413 | 0.3- | 0.6- | 910411 | 675 | 0.3+ | 0.3+ | 960717 | 905 | 0.5- | 0.7+ |
| 910212 | 413(35.9+ | 1.9+) | | 960712 | 905 | 1.4- | 1.4+ | 960717 | 905 | 0.3- | 0.1- |
| 910225 | 413 | 0.2- | 1.0+ | 960712 | 905 | 0.9- | 0.7+ | 960724 | 905 | 2.0- | 1.1+ |
| 910409 | 675 | 0.2+ | 0.1+ | 960715 | 905 | 1.1+ | 0.8- | 960724 | 905 | 0.3+ | 0.1+ |
| 910409 | 675 | 0.1- | 0.2+ | 960715 | 905 | 1.8+ | 2.2- | | | | |
| 910411 | 675 | 0.1+ | 1.0- | 960717 | 905 | 2.0+ | 0.9- | | | | |

1996 NL₁ = 1979 QA₈ = 1993 TB₁₃

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | | | | | | | | | | |
|----------|------------|----------|-----------|----------|------|----------|---|--|--|--|--|
| <i>M</i> | 275.33001 | | | (2000.0) | | | | | | | |
| <i>n</i> | 0.28656219 | ω | 74.27368 | | | | | | | | |
| <i>a</i> | 2.2785407 | Ω | 292.93677 | | | | | | | | |
| <i>e</i> | 0.0806196 | <i>i</i> | 3.20495 | | | | | | | | |
| <i>P</i> | 3.44 | <i>H</i> | 14.5 | <i>G</i> | 0.15 | <i>U</i> | 4 | | | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 790826 | 095 | 0.1- | 0.3+ | 960714 | 566 | 0.3- | 0.5+ | 960723 | 566 | 0.4+ | 0.2- |
| 931013 | 675 | 0.1+ | 0.3- | 960714 | 566 | 0.1- | 0.7+ | 960723 | 566 | 0.2+ | 0.3- |
| 931013 | 675 | 0.0 | 0.1- | 960722 | 566 | 0.0 | 0.2- | 960723 | 566 | 0.1+ | 0.4- |
| 931015 | 675 | 0.1- | 0.3+ | 960722 | 566 | 0.1+ | 0.2- | | | | |
| 960714 | 566 | 0.3- | 0.3+ | 960722 | 566 | 0.1+ | 0.4- | | | | |

4038 P-L = 1975 XH₁ = 1991 BL₂ = 1993 RS₄

Id. G. V. Williams (MPC 22966, unpublished)

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | | | | | | | | | | |
|----------|------------|----------|-----------|----------|------|----------|---|--|--|--|--|
| <i>M</i> | 153.34104 | | | (2000.0) | | | | | | | |
| <i>n</i> | 0.26831482 | ω | 178.87575 | | | | | | | | |
| <i>a</i> | 2.3807088 | Ω | 302.70399 | | | | | | | | |
| <i>e</i> | 0.1621267 | <i>i</i> | 1.53402 | | | | | | | | |
| <i>P</i> | 3.67 | <i>H</i> | 14.5 | <i>G</i> | 0.15 | <i>U</i> | 2 | | | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 600924 | 675 | 0.7- | 0.7- | 910118 | 046 | 0.1- | 1.7+ | 930918 | 809 | 0.1+ | 1.9+ |
| 600925 | 675 | 1.2+ | 0.2+ | 930915 | 809 | 0.9+ | 0.1+ | 930923 | 809 | 1.2+ | 0.7+ |
| 600926 | 675 | 0.7+ | 0.5+ | 930915 | 809 | 1.7- | 0.0 | 930923 | 809 | 0.3- | 0.2- |
| 600928 | 675 | 0.7+ | 0.5+ | 930915 | 809 | 1.8- | 0.1- | 930923 | 809 | 0.6- | 0.6- |
| 601017 | 675 | 0.2- | 0.6- | 930916 | 809 | 1.5- | 0.4- | 960714 | 566 | 0.6+ | 0.2- |

| | | | | | | | | | | | |
|--------|-----|-------|--------|--------|-----|-------|-------|--------|-----|------|------|
| 601022 | 675 | 0.0 | 1.1- | 930916 | 809 | 0.1- | 0.3- | 960714 | 566 | 0.2+ | 0.2- |
| 601024 | 675 | 0.7- | 1.3- | 930916 | 809 | 0.5- | 0.0 | 960714 | 566 | 0.0 | 0.5- |
| 601026 | 675 | 0.7+ | 1.0- | 930917 | 809 | (2.8+ | 1.3+) | 960723 | 566 | 0.0 | 0.2- |
| 751201 | 095 | 0.4+ | 2.7- | 930917 | 809 | 1.4+ | 0.6+ | 960723 | 566 | 0.0 | 0.1- |
| 910117 | 046 | (6.5+ | 38.5+) | 930917 | 809 | 0.5- | 1.0+ | 960723 | 566 | 0.8- | 0.3+ |
| 910117 | 046 | (8.7+ | 43.3+) | 930918 | 809 | 0.7+ | 1.9+ | | | | |
| 910118 | 046 | 0.6+ | 0.4+ | 930918 | 809 | 0.1+ | 1.4+ | | | | |

1102 T-1 = 1989 KR = 1996 HV₁₆

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | | | | | | | | | | |
|----------|------------|----------|-----------|----------|------|----------|---|--|--|--|--|
| <i>M</i> | 323.52996 | | | (2000.0) | | | | | | | |
| <i>n</i> | 0.27873899 | ω | 49.81401 | | | | | | | | |
| <i>a</i> | 2.3209773 | Ω | 214.34680 | | | | | | | | |
| <i>e</i> | 0.0902635 | <i>i</i> | 6.29631 | | | | | | | | |
| <i>P</i> | 3.54 | <i>H</i> | 15.0 | <i>G</i> | 0.15 | <i>U</i> | 5 | | | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 710324 | 675 | 0.1+ | 1.1- | 890526 | 372 | 0.1- | 0.3- | 960519 | 809 | 1.3+ | 0.0 |
| 710325 | 675 | 1.2+ | 0.4- | 960418 | 809 | 1.9- | 0.4- | 960519 | 809 | 1.4+ | 0.4- |
| 710325 | 675 | 0.2+ | 0.8+ | 960418 | 809 | 1.6- | 0.6- | 960519 | 809 | 1.4+ | 1.2- |
| 710326 | 675 | 0.1+ | 0.6+ | 960418 | 809 | 1.8- | 0.9- | 960522 | 809 | 2.3+ | 0.1- |
| 710327 | 675 | 0.6- | 0.5+ | 960420 | 809 | 0.8- | 0.7+ | 960522 | 809 | 0.6+ | 0.5- |
| 710402 | 675 | 0.5- | 0.6+ | 960420 | 809 | 1.8- | 0.1+ | 960522 | 809 | 1.3+ | 0.2- |
| 890526 | 372 | 0.1- | 2.3+ | 960420 | 809 | 0.7- | 0.3+ | | | | |

2167 T-2 = 1996 JA₁₁

Id. T. Kobayashi

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | | | | | | | | | | |
|----------|------------|----------|-----------|----------|------|----------|---|--|--|--|--|
| <i>M</i> | 308.72772 | | | (2000.0) | | | | | | | |
| <i>n</i> | 0.29288521 | ω | 100.57070 | | | | | | | | |
| <i>a</i> | 2.2456277 | Ω | 192.22293 | | | | | | | | |
| <i>e</i> | 0.1973999 | <i>i</i> | 5.56027 | | | | | | | | |
| <i>P</i> | 3.37 | <i>H</i> | 16.5 | <i>G</i> | 0.15 | <i>U</i> | 5 | | | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|-------|-------|--------|-----|------|------|--------|-----|------|------|
| 730919 | 675 | 1.5- | 0.8+ | 730930 | 675 | 1.3+ | 0.4- | 960413 | 691 | 1.0- | 0.5+ |
| 730919 | 675 | 0.6+ | 1.7+ | 730930 | 675 | 0.7- | 0.3- | 960515 | 691 | 0.3+ | 0.6- |
| 730920 | 675 | 1.1- | 1.2- | 731004 | 675 | 0.9+ | 0.3- | 960515 | 691 | 0.4+ | 0.4- |
| 730924 | 675 | (3.5- | 0.3+) | 731004 | 675 | 0.6- | 2.7- | 960515 | 691 | 0.6+ | 0.5- |
| 730924 | 675 | (3.7- | 0.5-) | 731005 | 675 | 0.1- | 0.1- | 960521 | 691 | 0.1+ | 0.1- |
| 730925 | 675 | 0.4- | 1.1- | 731005 | 675 | 0.9+ | 0.2+ | 960521 | 691 | 0.1+ | 0.1+ |
| 730929 | 675 | 0.5+ | 1.8+ | 960413 | 691 | 0.8- | 0.4+ | 960521 | 691 | 0.2+ | 0.0 |
| 730929 | 675 | 0.1+ | 1.7+ | 960413 | 691 | 0.1- | 0.8+ | | | | |

2203 T-2 = 1996 JV₁₅

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | | | | | | | | | | |
|----------|------------|----------|-----------|----------|------|----------|---|--|--|--|--|
| <i>M</i> | 157.12776 | | | (2000.0) | | | | | | | |
| <i>n</i> | 0.24190815 | ω | 228.33709 | | | | | | | | |
| <i>a</i> | 2.5509526 | Ω | 190.15386 | | | | | | | | |
| <i>e</i> | 0.1608517 | <i>i</i> | 7.82324 | | | | | | | | |
| <i>P</i> | 4.07 | <i>H</i> | 16.7 | <i>G</i> | 0.15 | <i>U</i> | 6 | | | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 730920 | 675 | 0.5+ | 1.2- | 730929 | 675 | 0.7+ | 1.6+ | 731005 | 675 | 0.6- | 1.5- |
| 730924 | 675 | 1.8- | 0.9- | 730930 | 675 | 2.1+ | 1.6+ | 960515 | 691 | 1.0+ | 0.2- |
| 730924 | 675 | 2.3- | 1.0+ | 730930 | 675 | 0.0 | 0.3+ | 960515 | 691 | 0.8+ | 0.2+ |
| 730925 | 675 | 1.4+ | 2.0- | 731004 | 675 | 0.5- | 0.7+ | 960521 | 691 | 0.9- | 0.2- |

730925 675 0.3- 0.1- 731004 675 0.8- 0.4+ 960521 691 0.9- 0.3+
 730929 675 1.1+ 1.6+ 731005 675 0.4+ 1.6- 960521 691 0.1- 0.1-

3177 T-2 = 1988 AM₅ = 1996 NJ

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | | | | | | | | |
|----------|------------|----------|-----------|--|-------------|------|-------------|---|----------|
| <i>M</i> | 76.03422 | | (2000.0) | | P | | Q | | Williams |
| <i>n</i> | 0.29429910 | ω | 116.24998 | | -0.96446416 | | +0.26314585 | | |
| <i>a</i> | 2.2384295 | Ω | 79.01436 | | -0.25021787 | | -0.88083912 | | |
| <i>e</i> | 0.0239980 | <i>i</i> | 1.38518 | | -0.08485220 | | -0.39354377 | | |
| <i>P</i> | 3.35 | <i>H</i> | 15.5 | | <i>G</i> | 0.15 | <i>U</i> | 4 | |

Residuals in seconds of arc

730919 675 1.1- 0.7+ 730925 675 1.0- 2.0+ 960714 566 0.8+ 0.2-
 730919 675 (1.6+ 2.7+) 730929 675 1.0+ 0.8- 960714 566 0.0 0.2-
 730919 675 2.0- 1.6+ 730929 675 0.1- 0.1- 960714 566 0.3- 0.0
 730919 675 0.4- 2.0+ 730930 675 0.1+ 1.8- 960714 566 0.3- 0.2-
 730920 675 (3.6- 0.7+) 730930 675 0.3+ 0.3- 960714 566 0.1+ 0.4+
 730920 675 0.6- 1.9+ 731004 675 0.7+ 2.3- 960715 566 0.3- 0.0
 730924 675 1.1- 1.0- 731004 675 1.5+ 1.3- 960715 566 0.7+ 0.5+
 730924 675 1.3+ 1.2+ 731005 675 2.0+ 1.6- 960715 566 0.3+ 0.9+
 730924 675 0.8- 0.9- 731005 675 1.9+ 1.4- 960723 566 0.0 0.7-
 730924 675 1.6- 1.8+ 880111 033 0.4+ 0.1+ 960723 566 0.3- 0.5-
 730925 675 0.3+ 1.3+ 880111 033 0.4- 0.4- 960723 566 0.4- 0.6-
 730925 675 0.6- 0.8- 960714 566 0.0 0.3-

3098 T-3 = 1996 GJ₁₄

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | | | | | | | | |
|----------|------------|----------|-----------|--|-------------|------|-------------|---|-----------|
| <i>M</i> | 153.79394 | | (2000.0) | | P | | Q | | Kobayashi |
| <i>n</i> | 0.23804344 | ω | 225.36338 | | +0.69006556 | | -0.72374545 | | |
| <i>a</i> | 2.5784887 | Ω | 181.00462 | | +0.68498855 | | +0.65374816 | | |
| <i>e</i> | 0.1796819 | <i>i</i> | 4.68239 | | +0.23366687 | | +0.22092051 | | |
| <i>P</i> | 4.14 | <i>H</i> | 16.3 | | <i>G</i> | 0.15 | <i>U</i> | 6 | |

Residuals in seconds of arc

771007 675 1.7+ 0.0 771017 675 1.0- 0.9+ 960412 691 0.1- 0.1-
 771011 675 1.0- 0.5- 771017 675 1.5- 0.7+ 960412 691 0.1+ 0.1-
 771011 675 0.9+ 0.6+ 771021 675 0.7+ 1.4+ 960419 691 0.6- 0.1-
 771012 675 0.2- 0.4+ 771021 675 1.2+ 0.9+ 960419 691 0.4- 0.2+

771012 675 0.2+ 0.6- 771022 675 0.4+ 1.7- 960419 691 0.6+ 0.1-
 771016 675 0.6- 0.7- 771022 675 0.8- 1.4-
 771016 675 0.0 0.2- 960412 691 0.1+ 0.2-

4064 T-3 = 1996 GY₁₆

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | | | | | | | | |
|----------|------------|----------|-----------|--|-------------|------|-------------|---|-----------|
| <i>M</i> | 167.90676 | | (2000.0) | | P | | Q | | Kobayashi |
| <i>n</i> | 0.18569031 | ω | 218.16884 | | +0.86954507 | | -0.49300429 | | |
| <i>a</i> | 3.0428220 | Ω | 171.22595 | | +0.48679258 | | +0.84576082 | | |
| <i>e</i> | 0.1076517 | <i>i</i> | 10.94073 | | +0.08321274 | | +0.20404756 | | |
| <i>P</i> | 5.31 | <i>H</i> | 14.0 | | <i>G</i> | 0.15 | <i>U</i> | 5 | |

Residuals in seconds of arc

771007 675 0.2+ 0.5+ 771017 675 1.5+ 0.1+ 960415 691 0.1- 0.3+
 771011 675 0.2- 0.6- 771017 675 0.0 0.5- 960415 691 0.3- 1.0-
 771011 675 0.4- 1.4- 771021 675 0.1- 1.5+ 960421 691 0.2+ 0.1+
 771012 675 1.8- 0.1+ 771021 675 1.2- 0.6+ 960421 691 0.0 0.3+
 771012 675 1.0- 0.6- 771022 675 2.9+ 0.6- 960421 691 0.3+ 0.1+
 771016 675 0.5- 0.5+ 771022 675 1.5+ 0.8-
 771016 675 0.8- 1.2+ 960415 691 0.1- 0.3+

4303 T-3 = 1993 TW₃₀ = 1996 HH₁₄

Epoch 1996 Apr. 27.0 TT = JDT 2450200.5

| | | | | | | | | | |
|----------|------------|----------|----------|--|-------------|------|-------------|---|-----------|
| <i>M</i> | 106.06132 | | (2000.0) | | P | | Q | | Kobayashi |
| <i>n</i> | 0.18507929 | ω | 58.82442 | | -0.21014954 | | -0.97091605 | | |
| <i>a</i> | 3.0495154 | Ω | 43.78721 | | +0.83108582 | | -0.23920392 | | |
| <i>e</i> | 0.1125265 | <i>i</i> | 9.54227 | | +0.51491118 | | -0.01017376 | | |
| <i>P</i> | 5.33 | <i>H</i> | 13.7 | | <i>G</i> | 0.15 | <i>U</i> | 4 | |

Residuals in seconds of arc

771011 675 2.2+ 1.1- 771021 675 0.5- 0.3+ 960417 809 0.3+ 0.3-
 771011 675 1.9+ 0.5- 771021 675 2.4+ 0.9- 960417 809 0.6- 0.3+
 771012 675 1.5- 1.9- 931009 809 (4.4- 2.8-) 960417 809 0.3+ 1.2-
 771012 675 0.1+ 1.1- 931009 809 (6.1- 2.4-) 960418 809 0.1- 0.2+
 771016 675 0.4- 1.8+ 931009 809 (5.2- 1.9-) 960418 809 0.4+ 0.6-
 771016 675 0.1+ 0.5+ 931011 809 0.3+ 0.5+ 960418 809 0.1- 2.1+
 771017 675 1.9- 1.0+ 931011 809 0.1- 0.1+
 771017 675 1.9- 1.0+ 931011 809 0.9- 0.6+

| 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 |
|-----------------------|----------|--------|-----------|-----------|-----------|----------|-----------|-----------|------|-------------|------|-------|----------|----------|------------|-----------------------|
| 1930 UX | 14.5 | 960427 | 274.76901 | 57.15339 | 334.20442 | 4.73809 | 0.2029659 | 2.3006768 | 25 | 6 1930-1996 | 0.74 | M-v | 1 | Marsden | 22967 | 1930 UX |
| 1936 NB | 12.0 | 960427 | 9.46898 | 345.72060 | 298.36851 | 18.67510 | 0.2556841 | 3.0812843 | 26 | 5 1936-1996 | 0.78 | M-v | 1 | Marsden | 23682 | 1936 NB |
| 1953 GH | 13.0 | 960427 | 13.05830 | 94.50050 | 183.77044 | 10.14485 | 0.0853255 | 3.0135110 | 14 | 4 1953-1996 | 0.84 | M-v | 2 | Williams | 22822 | 1953 GH |
| 1958 TL ₁ | 12.0 | 960427 | 262.19287 | 162.06393 | 203.90819 | 17.68998 | 0.1907540 | 3.1577281 | 31 | 3 1958-1996 | 0.46 | M-v | 3 | Williams | 27441 | 1958 TL ₁ |
| 1976 UT ₁ | 14.5 | 960427 | 226.12890 | 204.45115 | 221.60890 | 4.07520 | 0.0600503 | 2.2672883 | 16 | 3 1976-1996 | 0.60 | M-v | 5 | Williams | 25338 | 1976 UT ₁ |
| 1977 QQ ₅ | 15.0 | 960427 | 207.43400 | 247.76103 | 134.52091 | 25.19461 | 0.4662034 | 2.2255337 | 81 | 3 1977-1996 | 0.51 | M-v | 2 | Marsden | 27453 | 1977 QQ ₅ |
| 1977 TD | 15.0 | 960427 | 41.87801 | 73.26947 | 102.91809 | 31.61173 | 0.0886577 | 1.8111414 | 42 | 2 1977-1996 | 0.50 | M-v | 4 | Williams | 27453 | 1977 TD |
| 1978 PU ₂ | 12.5 | 960427 | 265.38458 | 197.39365 | 147.40861 | 10.31340 | 0.1721786 | 2.8069222 | 28 | 3 1978-1996 | 0.79 | M-v | 4 | Williams | 21964 | 1978 PU ₂ |
| 1978 PM ₃ | 12.5 | 960427 | 269.87684 | 203.61322 | 148.31148 | 9.92860 | 0.1813010 | 2.7975126 | 18 | 3 1978-1996 | 0.74 | M-v | 3 | Williams | 27323 | 1978 PM ₃ |
| 1980 RE ₁ | 14.5 | 960427 | 304.14478 | 133.31157 | 182.99014 | 8.69946 | 0.1742018 | 2.5698675 | 17 | 3 1976-1996 | 0.99 | M-v | 5 | Marsden | 27302 | 1980 RE ₁ |
| 1981 DD ₃ | 15.0 | 960427 | 231.79145 | 120.53240 | 296.43014 | 6.74160 | 0.0840433 | 2.7516353 | 24 | 3 1981-1996 | 0.69 | M-v | 4 | Williams | 23121 | 1981 DD ₃ |
| 1981 ED ₁₄ | 15.5 | 960427 | 32.26401 | 260.45767 | 326.82807 | 3.59262 | 0.1451966 | 2.3526923 | 26 | 4 1978-1996 | 0.91 | M-v | 2 | Williams | 22398 | 1981 ED ₁₄ |
| 1981 EN ₁₇ | 14.0 | 960427 | 294.56587 | 157.35730 | 211.28220 | 4.56964 | 0.1730660 | 2.2939488 | 33 | 6 1951-1996 | 0.94 | M-v | 2 | Williams | 25438 | 1981 EN ₁₇ |
| 1981 EL ₂₅ | 16.0 | 960427 | 106.34090 | 277.17863 | 188.56536 | 6.12748 | 0.0668760 | 2.3814965 | 16 | 3 1981-1996 | 0.74 | M-v | 5 | Williams | 27442 | 1981 EL ₂₅ |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------|--------|-----------|-----------|-----------|----------|-----------|-----------|-----|---|-----------|------|-----|---|----------|-------|-----------------------|
| 1981 FL | 14.5 | 960427 | 55.49971 | 357.41568 | 184.19121 | 7.89470 | 0.1866499 | 2.3702609 | 26 | 7 | 1953-1996 | 0.98 | M-v | 2 | Williams | 27454 | 1981 FL |
| 1981 SE ₂ | 14.5 | 960427 | 305.28279 | 253.56631 | 106.26471 | 3.25023 | 0.2101057 | 2.4335653 | 16 | 6 | 1950-1996 | 1.00 | M-v | 2 | Williams | 25338 | 1981 SE ₂ |
| 1981 UZ ₉ | 14.0 | 960427 | 145.46139 | 21.07624 | 42.45833 | 6.86143 | 0.2497876 | 2.1965315 | 35 | 3 | 1981-1996 | 0.78 | M-v | 4 | Spahr | 27324 | 1981 UZ ₉ |
| 1981 WC | 13.0 | 960427 | 267.12387 | 306.64093 | 65.17986 | 9.52762 | 0.3324827 | 3.0774525 | 27 | 2 | 1981-1996 | 0.79 | M-v | 4 | Williams | 27442 | 1981 WC |
| 1982 DT ₆ | 12.5 | 960427 | 97.09677 | 18.41410 | 121.95403 | 13.56060 | 0.1033302 | 2.6786656 | 23 | 4 | 1982-1996 | 0.64 | M-v | 2 | Marsden | 27454 | 1982 DT ₆ |
| 1982 TF ₂ | 14.0 | 960427 | 304.20309 | 59.04669 | 291.41387 | 1.55649 | 0.1757320 | 2.3518175 | 24 | 5 | 1950-1996 | 1.00 | M-v | 2 | Williams | 24581 | 1982 TF ₂ |
| 1982 UD ₂ | 12.5 | 960427 | 275.43115 | 326.68569 | 42.97460 | 2.60095 | 0.1318862 | 2.9290247 | 61 | 7 | 1982-1996 | 0.87 | M-v | 1 | Marsden | 25225 | 1982 UD ₂ |
| 1982 UR ₆ | 14.0 | 960427 | 250.09776 | 313.50299 | 46.85410 | 3.05750 | 0.2220906 | 2.4046338 | 17 | 7 | 1978-1996 | 1.05 | M-v | 2 | Marsden | 27324 | 1982 UR ₆ |
| 1983 RT ₄ | 13.0 | 960427 | 322.32740 | 152.50773 | 201.62458 | 9.90389 | 0.1485438 | 2.6563460 | 23 | 7 | 1979-1996 | 0.63 | M-v | 2 | Williams | 24117 | 1983 RT ₄ |
| 1985 HS ₁ | 13.5 | 960427 | 25.97893 | 31.63860 | 181.48072 | 23.23336 | 0.1984170 | 2.3238358 | 27 | 3 | 1985-1996 | 0.89 | M-v | 2 | Williams | 27454 | 1985 HS ₁ |
| 1985 QA ₁ | 13.0 | 960427 | 101.97341 | 324.67921 | 208.11812 | 7.55258 | 0.0763117 | 2.4065914 | 18 | 4 | 1978-1996 | 0.76 | M-v | 2 | Williams | 22968 | 1985 QA ₁ |
| 1985 RG | 14.5 | 960427 | 277.81171 | 10.21880 | 10.92806 | 0.99677 | 0.2097676 | 2.4192953 | 29 | 3 | 1985-1996 | 0.89 | M-v | 3 | Williams | 22076 | 1985 RG |
| 1986 GV | 13.0 | 960427 | 16.64445 | 126.27412 | 111.84082 | 16.42150 | 0.1473224 | 2.7629570 | 23 | 4 | 1986-1996 | 0.68 | M-v | 2 | Williams | 25225 | 1986 GV |
| 1986 QE ₂ | 15.0 | 960427 | 297.64946 | 232.24548 | 117.37134 | 3.91363 | 0.1422205 | 2.2488398 | 54 | 5 | 1986-1996 | 0.65 | M-v | 1 | Williams | 25338 | 1986 QE ₂ |
| 1986 RQ | 13.5 | 960427 | 289.79683 | 113.53725 | 210.91943 | 9.31468 | 0.1866430 | 2.3099249 | 31 | 7 | 1965-1996 | 0.92 | M-v | 2 | Williams | 22698 | 1986 RQ |
| 1986 RB ₅ | 14.5 | 960427 | 314.66086 | 209.84094 | 122.83171 | 5.66894 | 0.1791539 | 2.2431081 | 42 | 5 | 1986-1996 | 0.43 | M-v | 1 | Williams | 25225 | 1986 RB ₅ |
| 1986 SD ₂ | 11.5 | 960427 | 290.42063 | 75.14803 | 304.20901 | 12.66445 | 0.0471685 | 2.9616659 | 28 | 6 | 1971-1996 | 0.90 | M-v | 1 | Williams | 21970 | 1986 SD ₂ |
| 1986 TZ ₁₁ | 13.0 | 960427 | 282.59205 | 81.17642 | 287.36285 | 4.97603 | 0.1530858 | 3.1101820 | 13 | 4 | 1954-1996 | 0.80 | M-v | 2 | Williams | 25537 | 1986 TZ ₁₁ |
| 1986 WN ₇ | 13.0 | 960427 | 274.09306 | 86.00853 | 311.59361 | 5.19588 | 0.1353549 | 3.1410960 | 28 | 6 | 1953-1996 | 0.73 | M-v | 1 | Marsden | 25439 | 1986 WN ₇ |
| 1986 XF ₅ | 15.0 | 960427 | 218.86922 | 195.44595 | 184.02461 | 1.86647 | 0.1799852 | 2.4066339 | 21 | 5 | 1982-1996 | 0.80 | M-v | 2 | Williams | 27454 | 1986 XF ₅ |
| 1987 BO ₁ | 13.0 | 960427 | 238.95184 | 152.56766 | 277.48660 | 23.36353 | 0.2286419 | 2.3402172 | 39 | 3 | 1987-1996 | 0.92 | M-v | 3 | Williams | 27324 | 1987 BO ₁ |
| 1987 OA | 19.0 | 960427 | 237.86930 | 235.42850 | 180.35828 | 9.01460 | 0.5953901 | 1.4968891 | 43 | 2 | 1987-1996 | 0.63 | M-v | 4 | Marsden | 27442 | 1987 OA |
| 1987 PA | 18.5 | 960427 | 346.37997 | 337.77321 | 308.68894 | 16.36372 | 0.5641441 | 2.7170307 | 38 | 2 | 1987-1996 | 0.74 | M-v | 1 | Marsden | 27443 | 1987 PA |
| 1987 QX | 15.5 | 960427 | 307.54499 | 12.53003 | 355.51089 | 14.29708 | 0.4626718 | 2.7854234 | 15 | 2 | 1987-1996 | 0.71 | M-v | 2 | Williams | 27443 | 1987 QX |
| 1987 UU ₄ | 14.0 | 960427 | 106.51420 | 50.88016 | 47.92469 | 6.58985 | 0.1629796 | 2.3060722 | 17 | 5 | 1973-1996 | 0.90 | M-v | 2 | Spahr | 27324 | 1987 UU ₄ |
| 1988 AT ₁ | 14.0 | 960427 | 56.35894 | 250.90283 | 306.76664 | 2.75451 | 0.1438690 | 2.3319457 | 38 | 6 | 1985-1996 | 0.84 | M-v | 1 | Williams | 25339 | 1988 AT ₁ |
| 1988 CO ₁ | 14.0 | 960427 | 123.39786 | 314.89913 | 126.52461 | 3.97617 | 0.1409754 | 2.3705977 | 26 | 3 | 1988-1996 | 0.82 | M-v | 4 | Williams | 25339 | 1988 CO ₁ |
| 1988 DD | 14.0 | 960427 | 106.68676 | 28.66483 | 132.30152 | 12.27652 | 0.1720869 | 2.3236501 | 32 | 3 | 1988-1996 | 0.74 | M-v | 3 | Williams | 25079 | 1988 DD |
| 1988 DD ₅ | 14.0 | 960427 | 5.78811 | 328.30050 | 282.50935 | 9.69320 | 0.2284715 | 2.3971088 | 26 | 4 | 1988-1996 | 0.72 | M-v | 2 | Williams | 24760 | 1988 DD ₅ |
| 1988 GD | 13.5 | 960427 | 16.71260 | 128.05986 | 100.52288 | 5.21403 | 0.1061470 | 2.4304359 | 18 | 5 | 1988-1996 | 0.62 | M-v | 2 | Williams | 25339 | 1988 GD |
| 1988 GL | 13.5 | 960427 | 11.62545 | 149.33919 | 68.01560 | 15.24700 | 0.1901601 | 2.4450437 | 33 | 4 | 1988-1996 | 0.84 | M-v | 3 | Marsden | 27324 | 1988 GL |
| 1988 PL ₁ | 14.0 | 960427 | 280.50647 | 93.66953 | 247.21864 | 19.58142 | 0.0133939 | 1.9565656 | 20 | 5 | 1983-1996 | 0.80 | M-v | 2 | Williams | 24407 | 1988 PL ₁ |
| 1988 QU | 13.0 | 960427 | 302.63644 | 149.35390 | 149.35584 | 15.25812 | 0.0333798 | 2.6597428 | 35 | 3 | 1988-1996 | 0.66 | M-v | 4 | Williams | 27454 | 1988 QU |
| 1988 RB ₆ | 14.0 | 960427 | 324.58338 | 160.41487 | 162.74989 | 12.55134 | 0.2533614 | 2.5609483 | 52 | 4 | 1988-1996 | 0.92 | M-v | 3 | Williams | 25439 | 1988 RB ₆ |
| 1988 RF ₁₃ | 14.0 | 960427 | 273.18267 | 271.32471 | 31.48715 | 17.11560 | 0.1442307 | 2.7538350 | 18 | 3 | 1988-1996 | 0.34 | M-v | 2 | Williams | 27443 | 1988 RF ₁₃ |
| 1988 VH | 13.0 | 960427 | 339.36880 | 99.77080 | 242.96886 | 12.29682 | 0.1666923 | 2.5792596 | 28 | 5 | 1955-1996 | 0.85 | M-v | 2 | Williams | 24912 | 1988 VH |
| 1988 VD ₅ | 12.5 | 960427 | 187.94861 | 277.69530 | 199.47829 | 12.49009 | 0.1270285 | 2.6569157 | 39 | 5 | 1953-1996 | 0.64 | M-v | 1 | Marsden | 25425 | 1988 VD ₅ |
| 1988 XB ₅ | 14.0 | 960427 | 345.31126 | 100.86646 | 63.42651 | 4.79763 | 0.1032533 | 2.2451219 | 21 | 5 | 1981-1996 | 0.78 | M-v | 2 | Williams | 22226 | 1988 XB ₅ |
| 1989 AV ₂ | 10.0 | 960427 | 280.97058 | 118.74256 | 285.86568 | 19.22595 | 0.1048289 | 5.2543277 | 27 | 6 | 1987-1996 | 0.92 | M-v | 2 | Williams | 21972 | 1989 AV ₂ |
| 1989 AD ₃ | 13.0 | 960427 | 253.13421 | 90.61074 | 314.88417 | 1.16573 | 0.0522924 | 2.8654410 | 43 | 6 | 1954-1996 | 0.59 | M-v | 1 | Marsden | 25080 | 1989 AD ₃ |
| 1989 CD ₈ | 12.0 | 960427 | 247.85042 | 131.58426 | 263.27191 | 9.33400 | 0.1081806 | 3.0180672 | 27 | 5 | 1982-1996 | 0.63 | M-v | 1 | Williams | 24117 | 1989 CD ₈ |
| 1989 EG ₁ | 14.5 | 960427 | 61.03048 | 3.98376 | 159.10825 | 5.45631 | 0.1016718 | 2.2307577 | 34 | 3 | 1989-1996 | 0.64 | M-v | 2 | Williams | 27324 | 1989 EG ₁ |
| 1989 EN ₂ | 14.0 | 960427 | 11.81621 | 283.01812 | 342.86971 | 1.62588 | 0.1842775 | 2.1848750 | 30 | 6 | 1983-1996 | 0.91 | M-v | 2 | Williams | 25649 | 1989 EN ₂ |
| 1989 JA | 17.0 | 960427 | 319.41732 | 231.83931 | 61.60737 | 15.23234 | 0.4843520 | 1.7703106 | 109 | 3 | 1989-1996 | 0.84 | M-v | 1 | Williams | 27454 | 1989 JA |
| 1989 RC | 18.5 | 960427 | 325.20967 | 181.11132 | 140.35479 | 7.37774 | 0.5140750 | 2.3128509 | 62 | 2 | 1989-1996 | 0.62 | M-v | 1 | Marsden | 27454 | 1989 RC |
| 1989 RS ₁ | 18.0 | 960427 | 318.82074 | 180.82643 | 174.71133 | 7.17746 | 0.4814457 | 2.3047367 | 55 | 3 | 1982-1996 | 0.67 | M-v | 2 | Williams | 27454 | 1989 RS ₁ |
| 1989 TT ₁ | 13.5 | 960427 | 234.52728 | 205.75498 | 223.75793 | 5.11265 | 0.1020131 | 2.4061756 | 44 | 4 | 1978-1996 | 0.69 | M-v | 2 | Williams | 27325 | 1989 TT ₁ |
| 1990 BN | 12.5 | 960427 | 116.48543 | 344.36751 | 153.01979 | 9.90110 | 0.0972735 | 2.7880138 | 27 | 2 | 1990-1996 | 0.73 | M-v | 4 | Williams | 27444 | 1990 BN |
| 1990 KA | 16.5 | 960427 | 289.68604 | 146.57550 | 105.75120 | 7.56430 | 0.4328850 | 2.1985331 | 63 | 5 | 1951-1996 | 0.94 | M-v | 2 | Marsden | 26757 | 1990 KA |
| 1990 OJ ₄ | 11.0 | 960427 | 347.92051 | 57.68867 | 274.08523 | 17.92631 | 0.0424554 | 3.1380000 | 25 | 6 | 1984-1996 | 0.76 | M-v | 1 | Williams | 25440 | 1990 OJ ₄ |
| 1990 QC ₃ | 14.5 | 960427 | 191.48363 | 227.52485 | 162.85439 | 3.46901 | 0.1893659 | 2.2989545 | 39 | 2 | 1990-1996 | 0.67 | M-v | 5 | Williams | 27444 | 1990 QC ₃ |
| 1990 QT ₉ | 15.0 | 960427 | 307.87178 | 167.89802 | 117.27538 | 1.55342 | 0.1320567 | 2.2001567 | 39 | 3 | 1990-1996 | 0.66 | M-v | 5 | Spahr | 27325 | 1990 QT ₉ |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------|--------|-----------|-----------|-----------|----------|-----------|-----------|-----|---|-----------|------|-----|---|----------|-------|-----------------------|
| 1990 SS ₉ | 14.5 | 960427 | 147.73461 | 326.14575 | 93.12491 | 3.32639 | 0.2011688 | 2.3766603 | 19 | 4 | 1979-1996 | 0.62 | M-v | 2 | Williams | 23974 | 1990 SS ₉ |
| 1990 TO | 14.0 | 960427 | 237.29990 | 287.59966 | 69.95581 | 5.63582 | 0.1906366 | 2.2761006 | 23 | 3 | 1989-1996 | 0.73 | M-v | 4 | Williams | 27444 | 1990 TO |
| 1990 TE ₈ | 13.0 | 960427 | 347.17131 | 92.66004 | 58.94092 | 3.03891 | 0.0764631 | 2.6776638 | 24 | 4 | 1990-1996 | 0.64 | M-v | 2 | Marsden | 26925 | 1990 TE ₈ |
| 1990 UO ₃ | 14.5 | 960427 | 118.92605 | 50.33665 | 98.75134 | 4.59932 | 0.0879439 | 2.2733546 | 19 | 3 | 1990-1996 | 0.55 | M-v | 4 | Williams | 24895 | 1990 UO ₃ |
| 1990 VF ₃ | 13.5 | 960427 | 299.39532 | 235.81322 | 106.05781 | 4.33250 | 0.1363581 | 2.2070262 | 17 | 4 | 1980-1996 | 0.65 | M-v | 2 | Williams | 22826 | 1990 VF ₃ |
| 1990 VD ₄ | 14.0 | 960427 | 186.53446 | 222.35766 | 171.55071 | 1.77649 | 0.1914940 | 2.3968355 | 22 | 6 | 1949-1996 | 1.06 | M-v | 2 | Williams | 27325 | 1990 VD ₄ |
| 1990 YM | 12.5 | 960427 | 141.27065 | 38.52911 | 103.88315 | 24.36939 | 0.2495062 | 2.3911596 | 44 | 4 | 1990-1996 | 0.66 | M-v | 2 | Williams | 25440 | 1990 YM |
| 1991 AA ₁ | 13.0 | 960427 | 134.81597 | 302.66776 | 85.66785 | 4.81336 | 0.0943292 | 2.7597799 | 20 | 5 | 1979-1996 | 0.71 | M-v | 2 | Williams | 27454 | 1991 AA ₁ |
| 1991 CS | 17.5 | 960427 | 206.45053 | 249.32311 | 156.92493 | 37.11750 | 0.1646799 | 1.1232245 | 45 | 2 | 1991-1996 | 0.83 | M-v | 3 | Williams | 27455 | 1991 CS |
| 1991 DD | 13.5 | 960427 | 145.57090 | 93.32008 | 35.57669 | 2.47706 | 0.1307126 | 2.4387194 | 31 | 4 | 1991-1996 | 0.81 | M-v | 2 | Williams | 25339 | 1991 DD |
| 1991 ES ₁ | 12.5 | 960427 | 146.49751 | 264.67009 | 165.65375 | 14.13276 | 0.1810424 | 2.6425679 | 40 | 4 | 1976-1996 | 0.85 | M-v | 1 | Marsden | 23134 | 1991 ES ₁ |
| 1991 GR | 11.0 | 960427 | 274.68956 | 0.10167 | 19.47709 | 15.59882 | 0.1225923 | 2.5651053 | 40 | 5 | 1972-1996 | 0.63 | M-v | 1 | Williams | 25440 | 1991 GR |
| 1991 GK ₄ | 13.5 | 960427 | 175.66305 | 171.29504 | 231.59669 | 1.12078 | 0.0789650 | 2.8326444 | 33 | 4 | 1991-1996 | 0.94 | M-v | 2 | Spahr | 27455 | 1991 GK ₄ |
| 1991 NG ₁ | 12.5 | 960427 | 306.05219 | 38.20242 | 308.02723 | 9.06068 | 0.1132421 | 3.0103524 | 38 | 6 | 1982-1996 | 0.77 | M-v | 1 | Williams | 27120 | 1991 NG ₁ |
| 1991 PB ₁₂ | 12.0 | 960427 | 338.50541 | 27.42059 | 256.55609 | 7.68063 | 0.1671220 | 3.1911738 | 14 | 5 | 1974-1996 | 0.68 | M-v | 1 | Williams | 27120 | 1991 PB ₁₂ |
| 1991 QG | 14.0 | 960427 | 311.22098 | 162.02064 | 199.96574 | 7.39137 | 0.3985948 | 3.0148889 | 33 | 6 | 1986-1996 | 0.75 | M-v | 2 | Marsden | 25227 | 1991 QG |
| 1991 RV ₁ | 12.0 | 960427 | 281.00434 | 162.99663 | 223.77860 | 14.24759 | 0.1634581 | 3.1421016 | 20 | 4 | 1980-1996 | 0.73 | M-v | 2 | Williams | 25441 | 1991 RV ₁ |
| 1991 RD ₃ | 13.5 | 960427 | 46.03144 | 32.99399 | 209.65711 | 8.64757 | 0.2321223 | 3.0746641 | 25 | 4 | 1989-1996 | 0.49 | M-v | 2 | Marsden | 25441 | 1991 RD ₃ |
| 1991 RF ₂₉ | 13.5 | 960427 | 174.73335 | 10.22162 | 277.17346 | 10.06271 | 0.0409165 | 2.3833855 | 19 | 5 | 1951-1995 | 0.61 | M-v | 2 | Williams | 26399 | 1991 RF ₂₉ |
| 1991 SM ₁ | 13.0 | 960427 | 323.44037 | 100.71962 | 237.78252 | 2.72268 | 0.2114879 | 3.1250385 | 21 | 5 | 1980-1996 | 0.85 | M-v | 2 | Williams | 27120 | 1991 SM ₁ |
| 1991 VK | 17.0 | 960427 | 258.77634 | 173.24349 | 295.10940 | 5.42353 | 0.5067840 | 1.8427417 | 56 | 4 | 1991-1996 | 0.70 | M-v | 1 | Williams | 22700 | 1991 VK |
| 1991 VD ₁ | 13.5 | 960427 | 45.36229 | 4.20488 | 32.46799 | 16.02987 | 0.0929469 | 2.5316667 | 47 | 4 | 1979-1995 | 0.61 | M-v | 4 | Williams | 26190 | 1991 VD ₁ |
| 1991 VL ₁ | 14.5 | 960427 | 173.65758 | 256.50588 | 102.72460 | 5.96796 | 0.1266704 | 2.1750146 | 24 | 3 | 1991-1996 | 0.48 | M-v | 4 | Williams | 27444 | 1991 VL ₁ |
| 1992 BZ | 13.5 | 960427 | 65.99998 | 26.19677 | 74.54160 | 3.11255 | 0.1313231 | 2.4524654 | 26 | 5 | 1983-1994 | 0.89 | M-v | 2 | Marsden | 22085 | 1992 BZ |
| 1992 CD ₁ | 13.5 | 960427 | 67.32066 | 310.20381 | 188.11953 | 2.91243 | 0.1285875 | 2.3628174 | 24 | 2 | 1992-1996 | 0.83 | M-v | 5 | Spahr | 27308 | 1992 CD ₁ |
| 1992 CF ₃ | 14.5 | 960427 | 348.60491 | 62.93058 | 180.88045 | 5.52189 | 0.1585368 | 2.2555134 | 39 | 5 | 1973-1996 | 0.94 | M-v | 2 | Williams | 27326 | 1992 CF ₃ |
| 1992 CJ ₃ | 15.0 | 960427 | 133.12897 | 260.85039 | 173.98420 | 4.14699 | 0.1569234 | 2.2411953 | 20 | 2 | 1992-1996 | 0.90 | M-v | 5 | Williams | 27445 | 1992 CJ ₃ |
| 1992 EP ₆ | 14.5 | 960427 | 70.91258 | 63.67300 | 78.79172 | 5.73514 | 0.0379389 | 2.3555844 | 20 | 2 | 1992-1996 | 0.77 | M-v | 4 | Williams | 27326 | 1992 EP ₆ |
| 1992 FL ₁ | 16.5 | 960427 | 4.80253 | 237.79927 | 317.69462 | 5.28808 | 0.4184154 | 2.5324499 | 108 | 2 | 1992-1996 | 0.54 | M-v | 1 | Williams | 27455 | 1992 FL ₁ |
| 1992 GE ₂ | 14.5 | 960427 | 239.75009 | 43.67587 | 4.58125 | 3.96162 | 0.1388163 | 2.1934746 | 23 | 5 | 1954-1996 | 1.01 | M-v | 2 | Williams | 24583 | 1992 GE ₂ |
| 1992 HR ₄ | 14.5 | 960427 | 28.92046 | 130.87326 | 132.56544 | 5.40026 | 0.1543844 | 2.2834947 | 23 | 4 | 1985-1995 | 0.64 | M-v | 2 | Williams | 27455 | 1992 HR ₄ |
| 1992 JB | 18.0 | 960427 | 46.72384 | 306.74371 | 218.52795 | 16.06451 | 0.3597216 | 1.5565841 | 131 | 3 | 1992-1996 | 0.58 | M-v | 2 | Marsden | 27455 | 1992 JB |
| 1992 JQ | 13.5 | 960427 | 330.34727 | 54.46909 | 184.74590 | 12.33422 | 0.1817058 | 2.6185209 | 28 | 3 | 1992-1996 | 0.70 | M-v | 3 | Marsden | 27445 | 1992 JQ |
| 1992 LJ | 14.0 | 960427 | 356.59719 | 100.69995 | 145.15061 | 4.11535 | 0.1441204 | 2.4814591 | 27 | 5 | 1976-1996 | 0.77 | M-v | 3 | Williams | 27326 | 1992 LJ |
| 1992 PY ₂ | 12.0 | 960427 | 233.32606 | 132.24750 | 287.64266 | 14.37790 | 0.1052029 | 2.6292731 | 14 | 3 | 1992-1996 | 0.71 | M-v | 4 | Williams | 24913 | 1992 PY ₂ |
| 1992 SL | 17.5 | 960427 | 263.20296 | 344.49353 | 1.10838 | 8.59941 | 0.3340865 | 1.6414625 | 88 | 3 | 1992-1996 | 0.71 | M-v | 2 | Williams | 27455 | 1992 SL |
| 1992 SU | 12.0 | 960427 | 213.05910 | 262.67210 | 176.84999 | 17.53855 | 0.2674281 | 2.9812420 | 21 | 4 | 1992-1996 | 0.72 | M-v | 2 | Williams | 25340 | 1992 SU |
| 1992 ST ₁ | 12.0 | 960427 | 348.06261 | 333.99671 | 315.45310 | 7.54853 | 0.2092668 | 2.7910167 | 12 | 5 | 1959-1996 | 0.76 | M-v | 3 | Williams | 21117 | 1992 ST ₁ |
| 1992 SW ₁₇ | 12.0 | 960427 | 287.60392 | 93.96434 | 281.12164 | 14.02839 | 0.1540937 | 2.7498995 | 24 | 3 | 1992-1996 | 0.66 | M-v | 3 | Williams | 24119 | 1992 SW ₁₇ |
| 1992 UK ₁ | 13.0 | 960427 | 324.43396 | 50.86613 | 265.98905 | 8.05252 | 0.1621309 | 2.8061535 | 14 | 4 | 1977-1996 | 0.58 | M-v | 3 | Williams | 24408 | 1992 UK ₁ |
| 1993 DJ | 14.0 | 960427 | 2.75694 | 75.02141 | 141.62990 | 23.56536 | 0.0465812 | 1.9290384 | 22 | 2 | 1993-1996 | 0.86 | M-v | 4 | Williams | 27455 | 1993 DJ |
| 1993 HA | 20.0 | 960427 | 146.93578 | 263.45664 | 183.46675 | 7.72297 | 0.1441924 | 1.2783416 | 40 | 2 | 1993-1996 | 0.54 | M-v | 4 | Williams | 27446 | 1993 HA |
| 1993 HO ₁ | 16.0 | 960427 | 71.05473 | 105.02940 | 22.90257 | 5.90509 | 0.4164976 | 1.9875332 | 43 | 4 | 1979-1996 | 0.47 | M-v | 2 | Williams | 27455 | 1993 HO ₁ |
| 1993 RB | 15.5 | 960427 | 146.49792 | 161.23942 | 337.64735 | 8.30054 | 0.0519513 | 2.2226937 | 68 | 3 | 1993-1996 | 0.53 | M-v | 3 | Williams | 25228 | 1993 RB |
| 1993 SE | 13.5 | 960427 | 46.34491 | 244.86773 | 321.60523 | 5.49837 | 0.2110511 | 2.3089070 | 58 | 4 | 1954-1996 | 0.53 | M-v | 1 | Williams | 25082 | 1993 SE |
| 1993 SJ ₁ | 15.0 | 960427 | 310.79789 | 141.27546 | 172.09646 | 5.64776 | 0.2075076 | 2.2590894 | 18 | 5 | 1976-1996 | 0.99 | M-v | 2 | Williams | 27326 | 1993 SJ ₁ |
| 1993 TX | 13.0 | 960427 | 221.44668 | 329.76311 | 42.26600 | 11.55027 | 0.2959935 | 2.6151256 | 24 | 3 | 1972-1996 | 0.93 | M-v | 3 | Williams | 27326 | 1993 TX |
| 1993 TX ₁ | 13.0 | 960427 | 37.78548 | 42.15483 | 193.78988 | 14.68783 | 0.1161163 | 2.3974791 | 26 | 4 | 1992-1996 | 0.72 | M-v | 1 | Williams | 25228 | 1993 TX ₁ |
| 1993 TT ₂₆ | 15.0 | 960427 | 294.86171 | 139.82786 | 167.38116 | 2.32031 | 0.2069902 | 2.4274466 | 25 | 2 | 1993-1996 | 0.80 | M-v | 4 | Williams | 27455 | 1993 TT ₂₆ |
| 1993 TS ₃₃ | 14.5 | 960427 | 211.38799 | 312.13551 | 116.95627 | 4.31979 | 0.1167289 | 2.3934606 | 19 | 3 | 1993-1996 | 0.72 | M-v | 3 | Williams | 25216 | 1993 TS ₃₃ |
| 1993 UY | 12.0 | 960427 | 27.06320 | 24.86133 | 228.49450 | 12.00328 | 0.1798422 | 2.4216298 | 41 | 3 | 1993-1996 | 0.70 | M-v | 2 | Williams | 24914 | 1993 UY |
| 1993 VA | 17.0 | 960427 | 171.62179 | 336.45271 | 133.25022 | 7.25899 | 0.3911839 | 1.3560236 | 81 | 3 | 1986-1996 | 0.65 | M-v | 1 | Williams | 27456 | 1993 VA |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------|--------|-----------|-----------|-----------|----------|-----------|------------|-----|---|-----------|------|-----|---|----------|-------|-----------------------|
| 1993 VO | 13.5 | 960427 | 229.29356 | 178.01167 | 208.02623 | 6.72349 | 0.2176611 | 2.4877860 | 46 | 3 | 1993-1996 | 0.65 | M-v | 3 | Marsden | 27456 | 1993 VO |
| 1993 VJ ₅ | 14.5 | 960427 | 186.99963 | 341.08074 | 103.43927 | 4.08802 | 0.1168478 | 2.4960762 | 30 | 3 | 1989-1996 | 0.85 | M-v | 5 | Marsden | 27456 | 1993 VJ ₅ |
| 1993 XR | 14.0 | 960427 | 346.18176 | 208.79758 | 78.80617 | 12.70678 | 0.1802403 | 2.5853116 | 39 | 3 | 1993-1996 | 0.66 | M-v | 3 | Williams | 25083 | 1993 XR |
| 1993 XN ₂ | 16.5 | 960427 | 300.32107 | 312.85750 | 59.75307 | 25.38413 | 0.5352144 | 2.1182231 | 51 | 3 | 1993-1996 | 0.64 | M-v | 3 | Williams | 27456 | 1993 XN ₂ |
| 1993 YD | 11.5 | 960427 | 82.13947 | 63.69387 | 100.47987 | 14.83086 | 0.0165032 | 3.1778615 | 27 | 3 | 1993-1996 | 0.67 | M-v | 3 | Williams | 27326 | 1993 YD |
| 1993 YH | 13.0 | 960427 | 27.22741 | 144.80049 | 97.54356 | 2.47518 | 0.1122429 | 3.0954042 | 34 | 5 | 1989-1996 | 0.74 | M-v | 1 | Williams | 25341 | 1993 YH |
| 1994 AQ ₁ | 12.5 | 960427 | 186.70595 | 160.07070 | 293.37071 | 2.63709 | 0.0623236 | 2.8138325 | 18 | 5 | 1955-1996 | 0.78 | M-v | 2 | Williams | 24914 | 1994 AQ ₁ |
| 1994 AO ₂ | 13.5 | 960427 | 238.43198 | 111.94551 | 307.69619 | 11.28109 | 0.1680032 | 2.6192725 | 23 | 3 | 1992-1996 | 0.55 | M-v | 3 | Williams | 23248 | 1994 AO ₂ |
| 1994 BE | 13.5 | 960427 | 32.04863 | 64.93632 | 185.83223 | 6.85409 | 0.0454347 | 2.9738628 | 22 | 3 | 1994-1996 | 0.33 | M-v | 3 | Williams | 25218 | 1994 BE |
| 1994 CV ₂ | 12.5 | 960427 | 100.08499 | 13.26820 | 176.25730 | 9.78100 | 0.0264960 | 3.0001353 | 24 | 5 | 1986-1996 | 0.54 | M-v | 1 | Williams | 25341 | 1994 CV ₂ |
| 1994 FQ | 14.0 | 960427 | 145.14000 | 344.21874 | 157.20302 | 16.37147 | 0.1185680 | 3.0961513 | 26 | 3 | 1994-1996 | 0.84 | M-v | 3 | Williams | 25332 | 1994 FQ |
| 1994 PC | 17.0 | 960427 | 276.69682 | 256.53572 | 124.55991 | 9.45518 | 0.3171682 | 1.5685914 | 104 | 4 | 1982-1996 | 0.69 | M-v | 1 | Marsden | 27456 | 1994 PC |
| 1994 PM ₂₅ | 15.0 | 960427 | 85.34235 | 292.13229 | 137.50731 | 2.85972 | 0.1274643 | 2.3387811 | 19 | 2 | 1994-1996 | 0.92 | M-v | 5 | Williams | 27448 | 1994 PM ₂₅ |
| 1994 PA ₃₉ | 15.5 | 960427 | 223.05274 | 41.04038 | 217.63880 | 2.38876 | 0.1901548 | 2.3250454 | 15 | 3 | 1973-1994 | 0.90 | M-v | 5 | Williams | 27448 | 1994 PA ₃₉ |
| 1994 UH | 14.0 | 960427 | 139.24721 | 314.77506 | 117.82894 | 2.24972 | 0.1093610 | 2.2670127 | 26 | 3 | 1977-1996 | 0.54 | M-v | 3 | Williams | 27327 | 1994 UH |
| 1994 VD ₁ | 14.5 | 960427 | 109.61199 | 33.17131 | 68.36294 | 7.66592 | 0.0808720 | 2.2804684 | 17 | 2 | 1994-1996 | 0.97 | M-v | 5 | Williams | 27449 | 1994 VD ₁ |
| 1994 VD ₂ | 13.5 | 960427 | 122.27744 | 352.38746 | 59.40266 | 8.83757 | 0.2208576 | 2.7403080 | 32 | 2 | 1994-1996 | 0.49 | M-v | 3 | Williams | 27456 | 1994 VD ₂ |
| 1994 VO ₇ | 14.5 | 960427 | 129.56674 | 220.40961 | 224.95722 | 2.15753 | 0.0685158 | 2.1771940 | 20 | 3 | 1978-1996 | 0.57 | M-v | 4 | Spahr | 27327 | 1994 VO ₇ |
| 1994 WM | 13.5 | 960427 | 21.99071 | 126.61672 | 60.90749 | 8.94507 | 0.1533794 | 2.5582333 | 54 | 2 | 1994-1996 | 0.59 | M-v | 3 | Williams | 27327 | 1994 WM |
| 1994 YS ₁ | 15.0 | 960427 | 223.31103 | 294.28051 | 74.33856 | 6.68934 | 0.1764835 | 2.1938723 | 24 | 4 | 1987-1996 | 0.65 | M-v | 2 | Williams | 27456 | 1994 YS ₁ |
| 1994 YX ₁ | 13.5 | 960427 | 20.54363 | 184.68352 | 12.71670 | 3.12375 | 0.0514618 | 2.7503955 | 29 | 5 | 1987-1996 | 0.73 | M-v | 1 | Williams | 27327 | 1994 YX ₁ |
| 1994 YZ ₁ | 14.5 | 960427 | 165.63470 | 11.88791 | 56.29958 | 3.98681 | 0.0375697 | 2.3864106 | 29 | 3 | 1992-1996 | 0.62 | M-v | 4 | Williams | 27449 | 1994 YZ ₁ |
| 1995 AL | 13.5 | 960427 | 299.53683 | 193.29023 | 100.88031 | 7.04701 | 0.0965035 | 2.4621824 | 28 | 2 | 1995-1996 | 0.45 | M-v | 4 | Williams | 27456 | 1995 AL |
| 1995 AM | 16.5 | 960427 | 210.42833 | 257.45085 | 108.95598 | 4.78405 | 0.3599680 | 2.1567722 | 55 | 2 | 1994-1996 | 0.58 | M-v | 4 | Williams | 27456 | 1995 AM |
| 1995 BU | 13.0 | 960427 | 132.02115 | 343.97580 | 130.90543 | 22.24357 | 0.0291552 | 2.4294533 | 37 | 2 | 1995-1996 | 0.37 | M-v | 3 | Williams | 27456 | 1995 BU |
| 1995 BV | 13.0 | 960427 | 52.08575 | 87.32515 | 73.14818 | 2.08000 | 0.0712639 | 3.2450223 | 29 | 3 | 1992-1996 | 0.68 | M-v | 4 | Spahr | 27327 | 1995 BV |
| 1995 BW | 13.0 | 960427 | 183.52960 | 7.82927 | 29.13745 | 2.95248 | 0.0882360 | 2.7341894 | 21 | 2 | 1995-1996 | 0.78 | M-v | 5 | Spahr | 27315 | 1995 BW |
| 1995 BJ ₁ | 12.5 | 960427 | 79.70644 | 24.08373 | 97.35423 | 2.30234 | 0.1390007 | 3.2132391 | 40 | 2 | 1995-1996 | 0.40 | M-v | 4 | Williams | 27327 | 1995 BJ ₁ |
| 1995 BR ₁ | 13.0 | 960427 | 48.01966 | 88.91786 | 70.75882 | 3.57590 | 0.1170152 | 3.1690627 | 33 | 4 | 1976-1996 | 0.78 | M-v | 3 | Spahr | 27327 | 1995 BR ₁ |
| 1995 BR ₄ | 13.5 | 960427 | 133.46717 | 340.67715 | 147.03252 | 7.13464 | 0.0935707 | 2.2404931 | 22 | 4 | 1990-1996 | 0.49 | M-v | 3 | Williams | 25442 | 1995 BR ₄ |
| 1995 CA | 14.0 | 960427 | 289.15157 | 61.71435 | 252.23914 | 12.77647 | 0.1811728 | 2.5876171 | 51 | 3 | 1993-1996 | 0.55 | M-v | 4 | Williams | 27327 | 1995 CA |
| 1995 CD | 12.5 | 960427 | 335.40374 | 246.07268 | 33.85222 | 3.90471 | 0.0564297 | 2.6642318 | 22 | 3 | 1982-1995 | 0.44 | M-v | 4 | Marsden | 25084 | 1995 CD |
| 1995 DA ₁ | 14.5 | 960427 | 58.68131 | 104.44301 | 104.01603 | 9.06802 | 0.1283792 | 2.6257552 | 54 | 2 | 1995-1996 | 0.55 | M-v | 3 | Williams | 27449 | 1995 DA ₁ |
| 1995 DK ₁ | 11.0 | 960427 | 68.89923 | 34.75827 | 133.97355 | 13.16485 | 0.1328811 | 3.1691197 | 24 | 4 | 1939-1996 | 0.91 | M-v | 2 | Marsden | 27327 | 1995 DK ₁ |
| 1995 DL ₁ | 13.0 | 960427 | 75.29813 | 75.40911 | 73.88001 | 20.23116 | 0.2998575 | 3.1646514 | 26 | 3 | 1984-1996 | 0.62 | M-v | 2 | Williams | 25432 | 1995 DL ₁ |
| 1995 DU ₁ | 14.0 | 960427 | 133.75024 | 21.48485 | 114.15326 | 24.69231 | 0.1896611 | 2.3225161 | 35 | 4 | 1955-1996 | 0.55 | M-v | 2 | Williams | 25533 | 1995 DU ₁ |
| 1995 DD ₂ | 12.0 | 960427 | 7.89410 | 81.97393 | 163.72207 | 10.24863 | 0.0869839 | 2.7612202 | 24 | 4 | 1977-1996 | 0.69 | M-v | 3 | Williams | 25229 | 1995 DD ₂ |
| 1995 DG ₂ | 13.5 | 960427 | 103.46492 | 203.91074 | 325.55324 | 2.56074 | 0.1607626 | 2.4399954 | 24 | 5 | 1915-1996 | 0.57 | M-v | 2 | Marsden | 25341 | 1995 DG ₂ |
| 1995 DM ₂ | 13.0 | 960427 | 359.54873 | 189.69672 | 72.92700 | 10.03033 | 0.1676088 | 2.6079653 | 33 | 3 | 1993-1996 | 0.45 | M-v | 3 | Williams | 27449 | 1995 DM ₂ |
| 1995 EA | 14.0 | 960427 | 140.39966 | 318.02692 | 148.09755 | 10.93592 | 0.1662443 | 2.5888254 | 40 | 3 | 1980-1996 | 0.55 | M-v | 3 | Marsden | 27327 | 1995 EA |
| 1995 EC | 12.5 | 960427 | 45.98563 | 141.04817 | 52.88531 | 1.91548 | 0.1235665 | 3.1524877 | 52 | 4 | 1984-1996 | 0.56 | M-v | 1 | Marsden | 27456 | 1995 EC |
| 1995 EO | 15.5 | 960427 | 146.36955 | 261.67610 | 236.05712 | 3.21397 | 0.0996810 | 2.2902032 | 34 | 2 | 1995-1996 | 0.62 | M-v | 4 | Marsden | 25334 | 1995 EO |
| 1995 EL ₁ | 14.0 | 960427 | 341.12316 | 117.31357 | 171.02262 | 4.01106 | 0.2043873 | 3.0706332 | 36 | 3 | 1991-1996 | 0.44 | M-v | 4 | Williams | 27456 | 1995 EL ₁ |
| 1995 GO | 9.0 | 960427 | 330.91388 | 289.97373 | 6.10758 | 17.62203 | 0.6221904 | 18.1362692 | 76 | 2 | 1995-1996 | 0.55 | M-v | 3 | Marsden | 27456 | 1995 GO |
| 1995 LG | 18.5 | 960427 | 219.47626 | 160.05704 | 276.49749 | 43.53596 | 0.7911087 | 1.0645516 | 112 | 2 | 1995-1996 | 0.63 | M-v | 4 | Williams | 27450 | 1995 LG |
| 1995 QY ₂ | 13.5 | 960427 | 17.67714 | 266.30839 | 147.35954 | 20.43417 | 0.5725624 | 3.1196336 | 123 | 3 | 1984-1996 | 0.58 | M-v | 1 | Williams | 27456 | 1995 QY ₂ |
| 1995 UO ₅ | 17.0 | 960427 | 345.62172 | 150.88573 | 38.81826 | 36.13488 | 0.6439424 | 1.5600077 | 44 | 2 | 1995-1996 | 0.64 | M-v | 4 | Williams | 27328 | 1995 UO ₅ |
| 1996 BL ₁₇ | 14.0 | 960427 | 345.95543 | 95.10304 | 82.55292 | 6.43840 | 0.0903748 | 2.2467355 | 41 | 3 | 1981-1996 | 0.63 | M-v | 2 | Williams | 27457 | 1996 BL ₁₇ |
| 1996 DV ₂ | 15.0 | 960427 | 257.56672 | 150.27488 | 150.58719 | 3.47877 | 0.1855485 | 2.1991531 | 20 | 4 | 1983-1996 | 0.53 | M-v | 2 | Williams | 27451 | 1996 DV ₂ |
| 1996 EN | 16.5 | 960427 | 306.43481 | 125.05950 | 164.25165 | 37.95213 | 0.4309969 | 1.5063516 | 198 | 1 | 129 days | 0.52 | M-v | 3 | Williams | 27457 | 1996 EN |
| 1996 FG ₃ | 18.5 | 960427 | 282.01513 | 23.29315 | 300.64401 | 1.98759 | 0.3495671 | 1.0541068 | 124 | 1 | 65 days | 0.60 | M-v | 6 | Williams | 27328 | 1996 FG ₃ |
| 1996 FO ₃ | 20.5 | 960427 | 48.96201 | 162.46042 | 333.74271 | 5.81479 | 0.2903051 | 1.4425639 | 36 | 1 | 89 days | 0.48 | M-v | 4 | Williams | 27457 | 1996 FO ₃ |

| | | | | | | | | | | | | | | | |
|------------|----------|----------|-------|-------|-------|------|------|------------|----------|----------|-------|-------|------|------|------|
| 1996 09 14 | 18 16.84 | -38 19.1 | 1.299 | 1.794 | 101.5 | 33.3 | 18.7 | 1997 08 30 | 15 11.57 | -09 59.2 | 0.649 | 1.015 | 71.7 | 70.9 | 18.6 |
| 1996 09 24 | 18 31.72 | -36 14.2 | 1.344 | 1.748 | 95.1 | 34.9 | 18.8 | 1997 09 09 | 15 43.19 | -15 46.7 | 0.635 | 0.999 | 70.8 | 72.3 | 18.5 |
| 1996 10 04 | 18 49.57 | -34 04.9 | 1.391 | 1.704 | 89.4 | 35.9 | 18.8 | 1997 09 19 | 16 17.94 | -21 30.2 | 0.621 | 0.986 | 70.2 | 73.4 | 18.5 |
| 1996 10 14 | 19 09.80 | -31 48.5 | 1.438 | 1.663 | 84.1 | 36.6 | 18.9 | 1997 09 29 | 16 56.53 | -26 57.2 | 0.607 | 0.978 | 70.0 | 74.3 | 18.5 |
| 1996 10 24 | 19 31.92 | -29 22.2 | 1.485 | 1.626 | 79.3 | 36.9 | 18.9 | 1997 10 09 | 17 39.72 | -31 51.1 | 0.596 | 0.974 | 70.1 | 74.8 | 18.4 |
| 1996 11 03 | 19 55.44 | -26 44.0 | 1.531 | 1.592 | 74.9 | 37.0 | 18.9 | 1997 10 19 | 18 27.86 | -35 52.1 | 0.587 | 0.974 | 70.6 | 74.8 | 18.4 |
| 1996 11 13 | 20 19.98 | -23 52.4 | 1.578 | 1.563 | 70.8 | 36.7 | 19.0 | 1997 10 29 | 19 20.64 | -38 38.6 | 0.581 | 0.978 | 71.5 | 74.3 | 18.4 |
| 1996 11 23 | 20 45.25 | -20 46.8 | 1.624 | 1.539 | 67.2 | 36.3 | 19.0 | 1997 11 08 | 20 16.71 | -39 52.4 | 0.578 | 0.987 | 72.7 | 73.4 | 18.3 |
| 1996 12 03 | 21 10.96 | -17 27.6 | 1.671 | 1.520 | 63.8 | 35.6 | 19.0 | 1997 11 18 | 21 13.52 | -39 23.5 | 0.578 | 1.000 | 74.2 | 72.0 | 18.3 |
| 1996 12 13 | 21 36.95 | -13 56.1 | 1.720 | 1.506 | 60.7 | 34.7 | 19.0 | 1997 11 28 | 22 08.30 | -37 13.3 | 0.582 | 1.016 | 75.9 | 70.3 | 18.3 |

| 1991 VH | | $a, e, i = 1.14, 0.14, 14$ | | | | Elements MPC 27455 | | | | | | | | | | | |
|------------|----------|----------------------------|-----------------|----------|-------|--------------------|--------|------------|----------|----------|-----------------|-----------------|----------|------|------------|--------|-------|
| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | V | Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | m_1 |
| 1996 07 26 | 03 47.46 | +11 35.2 | 0.693 | 0.973 | 66.3 | 72.9 | 18.7 | 1997 12 08 | 22 59.17 | -33 34.3 | 0.590 | 1.035 | 77.7 | 68.4 | 18.3 | | |
| 1996 08 05 | 04 30.06 | +10 40.8 | 0.718 | 0.975 | 65.9 | 71.8 | 18.7 | 1997 12 18 | 23 45.35 | -28 46.0 | 0.603 | 1.056 | 79.4 | 66.4 | 18.4 | | |
| 1996 08 15 | 05 10.47 | +09 34.0 | 0.744 | 0.980 | 65.8 | 70.4 | 18.8 | 1997 12 28 | 00 27.09 | -23 09.7 | 0.623 | 1.078 | 81.0 | 64.3 | 18.4 | | |
| 1996 08 25 | 05 48.62 | +08 18.1 | 0.770 | 0.990 | 66.0 | 68.8 | 18.8 | 1998 01 07 | 01 05.24 | -17 06.1 | 0.648 | 1.101 | 82.1 | 62.2 | 18.5 | | |
| 1996 09 04 | 06 24.64 | +06 55.5 | 0.794 | 1.004 | 66.5 | 67.1 | 18.9 | 1998 01 17 | 01 40.66 | -10 54.5 | 0.681 | 1.125 | 82.9 | 60.2 | 18.6 | | |
| 1996 09 14 | 06 58.70 | +05 28.0 | 0.812 | 1.021 | 67.3 | 65.4 | 18.9 | 1998 01 27 | 02 14.19 | -04 50.4 | 0.721 | 1.148 | 83.1 | 58.4 | 18.7 | | |
| 1996 09 24 | 07 30.90 | +03 57.2 | 0.826 | 1.040 | 68.5 | 63.8 | 18.9 | 1998 02 06 | 02 46.58 | +00 53.7 | 0.768 | 1.170 | 82.7 | 56.7 | 18.8 | | |
| 1996 10 04 | 08 01.45 | +02 24.7 | 0.832 | 1.061 | 70.1 | 62.4 | 19.0 | 1998 02 16 | 03 18.34 | +06 08.6 | 0.821 | 1.192 | 81.9 | 55.1 | 19.0 | | |
| 1996 10 14 | 08 30.51 | +00 52.1 | 0.831 | 1.084 | 72.1 | 61.1 | 19.0 | 1998 02 26 | 03 49.88 | +10 48.7 | 0.880 | 1.212 | 80.6 | 53.7 | 19.1 | | |
| 1996 10 24 | 08 58.16 | -00 38.3 | 0.822 | 1.107 | 74.4 | 59.9 | 18.9 | 1998 03 08 | 04 21.51 | +14 50.9 | 0.943 | 1.230 | 78.9 | 52.3 | 19.2 | | |
| 1996 11 03 | 09 24.55 | -02 04.0 | 0.805 | 1.131 | 77.2 | 58.8 | 18.9 | 1998 03 18 | 04 53.34 | +18 13.7 | 1.009 | 1.247 | 77.0 | 51.0 | 19.4 | | |
| 1996 11 13 | 09 49.73 | -03 22.1 | 0.779 | 1.154 | 80.5 | 57.8 | 18.9 | 1998 03 28 | 05 25.42 | +20 57.1 | 1.077 | 1.262 | 74.8 | 49.8 | 19.5 | | |
| 1996 11 23 | 10 13.69 | -04 28.3 | 0.746 | 1.176 | 84.2 | 56.6 | 18.8 | 1998 04 07 | 05 57.76 | +23 01.8 | 1.145 | 1.274 | 72.5 | 48.5 | 19.6 | | |
| 1996 12 03 | 10 36.44 | -05 17.9 | 0.707 | 1.197 | 88.4 | 55.4 | 18.7 | 1998 04 17 | 06 30.20 | +24 29.2 | 1.213 | 1.284 | 70.1 | 47.3 | 19.7 | | |
| 1996 12 13 | 10 57.85 | -05 44.8 | 0.661 | 1.217 | 93.3 | 53.9 | 18.5 | 1998 04 27 | 07 02.62 | +25 21.1 | 1.280 | 1.292 | 67.6 | 46.1 | 19.8 | | |
| 1996 12 23 | 11 17.68 | -05 40.3 | 0.611 | 1.235 | 98.8 | 51.9 | 18.3 | 1998 05 07 | 07 34.87 | +25 39.6 | 1.344 | 1.297 | 65.1 | 44.9 | 19.9 | | |
| 1997 01 02 | 11 35.63 | -04 54.1 | 0.557 | 1.251 | 105.2 | 49.3 | 18.1 | 1998 05 17 | 08 06.76 | +25 27.0 | 1.405 | 1.300 | 62.6 | 43.7 | 20.0 | | |
| 1997 01 12 | 11 51.08 | -03 11.9 | 0.503 | 1.265 | 112.6 | 45.9 | 17.8 | 1998 05 27 | 08 38.18 | +24 45.7 | 1.461 | 1.300 | 60.2 | 42.6 | 20.0 | | |

| C/1996 E1 (NEAT) | | Elements MPC 27541 | | | | | | |
|------------------|----------|--------------------|-----------------|----------|-------|------------|--------|-------|
| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | m_1 |
| 1996 07 26 | 07 59.70 | +60 06.4 | 1.953 | 1.359 | 40.9 | 29.3 | 10.8 | |
| 1996 07 31 | 08 06.46 | +62 10.2 | 1.885 | 1.360 | 44.4 | 31.5 | 10.7 | |
| 1996 08 05 | 08 14.71 | +64 27.3 | 1.813 | 1.365 | 48.2 | 33.6 | 10.6 | |
| 1996 08 10 | 08 25.14 | +67 00.0 | 1.736 | 1.373 | 52.3 | 35.7 | 10.6 | |
| 1996 08 15 | 08 39.05 | +69 50.5 | 1.655 | 1.386 | 56.6 | 37.6 | 10.5 | |
| 1996 08 20 | 08 59.0 | +73 00.0 | 1.574 | 1.402 | 61.2 | 39.2 | 10.5 | |
| 1996 08 25 | 09 30.9 | +76 26.9 | 1.493 | 1.422 | 66.0 | 40.5 | 10.4 | |
| 1996 08 30 | 10 29.8 | +79 57.3 | 1.414 | 1.446 | 71.0 | 41.3 | 10.4 | |
| 1996 09 04 | 12 32.7 | +82 32.2 | 1.341 | 1.472 | 76.1 | 41.7 | 10.3 | |
| 1996 09 09 | 15 29.6 | +81 44.0 | 1.277 | 1.501 | 81.2 | 41.5 | 10.3 | |
| 1996 09 14 | 17 20.6 | +77 13.0 | 1.224 | 1.533 | 86.3 | 40.9 | 10.3 | |
| 1996 09 19 | 18 14.5 | +70 51.5 | 1.187 | 1.567 | 90.9 | 39.9 | 10.3 | |
| 1996 09 24 | 18 44.81 | +63 36.4 | 1.169 | 1.604 | 94.9 | 38.5 | 10.4 | |
| 1996 09 29 | 19 04.67 | +55 57.3 | 1.171 | 1.642 | 97.9 | 37.2 | 10.5 | |
| 1996 10 04 | 19 19.25 | +48 17.9 | 1.196 | 1.683 | 99.7 | 35.9 | 10.6 | |
| 1996 10 09 | 19 30.84 | +40 58.1 | 1.241 | 1.725 | 100.1 | 34.8 | 10.8 | |
| 1996 10 14 | 19 40.62 | +34 12.2 | 1.307 | 1.768 | 99.4 | 33.8 | 11.1 | |
| 1996 10 19 | 19 49.24 | +28 08.3 | 1.389 | 1.813 | 97.6 | 33.0 | 11.3 | |
| 1996 10 24 | 19 57.06 | +22 48.5 | 1.486 | 1.859 | 95.0 | 32.2 | 11.6 | |
| 1996 10 29 | 20 04.32 | +18 11.3 | 1.594 | 1.905 | 91.9 | 31.4 | 11.8 | |
| 1996 11 03 | 20 11.17 | +14 12.6 | 1.711 | 1.953 | 88.4 | 30.5 | 12.1 | |
| 1996 11 08 | 20 17.73 | +10 48.0 | 1.834 | 2.001 | 84.6 | 29.5 | 12.3 | |

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | m_2 |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|-------|
| 1996 11 23 | 10 | 41.23 | +09 59.8 | 0.764 | 1.172 | -3.12 | +23.3 | 19.3 |
| 1996 12 03 | 11 | 17.64 | +05 48.8 | 0.737 | 1.158 | -2.97 | +23.5 | 19.2 |
| 1996 12 13 | 11 | 52.42 | +01 34.6 | 0.717 | 1.152 | -2.83 | +22.7 | 19.2 |
| 1996 12 23 | 12 | 25.38 | -02 32.4 | 0.701 | 1.153 | -2.73 | +21.3 | 19.1 |
| 1997 01 02 | 12 | 56.41 | -06 24.3 | 0.687 | 1.162 | -2.66 | +19.5 | 19.1 |
| 1997 01 12 | 13 | 25.25 | -09 54.9 | 0.675 | 1.178 | -2.64 | +17.6 | 19.0 |
| 1997 01 22 | 13 | 51.58 | -13 00.6 | 0.661 | 1.200 | -2.68 | +15.8 | 19.0 |
| 1997 02 01 | 14 | 15.03 | -15 40.0 | 0.646 | 1.228 | -2.78 | +14.2 | 18.9 |
| 1997 02 11 | 14 | 34.99 | -17 52.6 | 0.628 | 1.261 | -2.97 | +13.0 | 18.9 |
| 1997 02 21 | 14 | 50.73 | -19 38.9 | 0.609 | 1.299 | -3.24 | +12.2 | 18.8 |
| 1997 03 03 | 15 | 01.50 | -20 59.6 | 0.588 | 1.339 | -3.61 | +12.0 | 18.6 |
| 1997 03 13 | 15 | 06.42 | -21 54.1 | 0.568 | 1.382 | -4.08 | +12.7 | 18.5 |
| 1997 03 23 | 15 | 04.96 | -22 20.2 | 0.552 | 1.427 | -4.60 | +14.4 | 18.3 |
| 1997 04 02 | 14 | 57.28 | -22 15.1 | 0.544 | 1.473 | -5.08 | +17.1 | 18.1 |
| 1997 04 12 | 14 | 44.58 | -21 37.0 | 0.548 | 1.520 | -5.38 | +20.3 | 17.9 |
| 1997 04 22 | 14 | 29.46 | -20 30.8 | 0.568 | 1.567 | -5.38 | +23.0 | 17.8 |
| 1997 05 02 | 14 | 14.95 | -19 09.5 | 0.608 | 1.613 | -5.08 | +24.2 | 17.8 |
| 1997 05 12 | 14 | 03.51 | -17 49.6 | 0.667 | 1.659 | -4.57 | +23.5 | 18.4 |
| 1997 05 22 | 13 | 56.45 | -16 45.0 | 0.745 | 1.705 | -4.00 | +21.5 | 18.9 |
| 1997 06 01 | 13 | 53.88 | -16 02.3 | 0.839 | 1.749 | -3.44 | +19.0 | 19.4 |
| 1997 06 11 | 13 | 55.37 | -15 42.6 | 0.946 | 1.792 | -2.96 | +16.4 | 19.8 |
| 1997 06 21 | 14 | 00.27 | -15 43.4 | 1.064 | 1.834 | -2.56 | +13.9 | 20.2 |
| 1997 07 01 | 14 | 07.92 | -16 01.0 | 1.192 | 1.875 | -2.23 | +11.8 | 20.5 |
| 1997 07 11 | 14 | 17.78 | -16 31.4 | 1.326 | 1.914 | -1.97 | +10.0 | 20.8 |

121P/Shoemaker-Holt 2

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | m_2 |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|-------|
| 1996 08 25 | 08 | 05.37 | +22 05.8 | 3.450 | 2.664 | 33.3 | 12.0 | 21.0 |
| 1996 09 04 | 08 | 23.63 | +21 49.1 | 3.375 | 2.666 | 38.8 | 13.7 | 21.1 |
| 1996 09 14 | 08 | 41.45 | +21 29.2 | 3.292 | 2.669 | 44.5 | 15.3 | 21.1 |
| 1996 09 24 | 08 | 58.74 | +21 07.5 | 3.200 | 2.673 | 50.3 | 16.8 | 21.1 |
| 1996 10 04 | 09 | 15.41 | +20 45.9 | 3.101 | 2.678 | 56.3 | 18.1 | 21.0 |
| 1996 10 14 | 09 | 31.35 | +20 26.3 | 2.996 | 2.685 | 62.5 | 19.2 | 21.0 |
| 1996 10 24 | 09 | 46.45 | +20 10.7 | 2.885 | 2.694 | 69.0 | 20.2 | 21.0 |
| 1996 11 03 | 10 | 00.58 | +20 01.3 | 2.770 | 2.703 | 75.8 | 20.8 | 20.9 |
| 1996 11 13 | 10 | 13.57 | +20 00.6 | 2.653 | 2.714 | 82.9 | 21.2 | 20.8 |
| 1996 11 23 | 10 | 25.24 | +20 11.1 | 2.535 | 2.726 | 90.4 | 21.2 | 20.7 |
| 1996 12 03 | 10 | 35.38 | +20 35.0 | 2.418 | 2.740 | 98.3 | 20.9 | 20.6 |
| 1996 12 13 | 10 | 43.73 | +21 14.3 | 2.306 | 2.754 | 106.6 | 20.0 | 20.5 |
| 1996 12 23 | 10 | 50.04 | +22 10.3 | 2.202 | 2.770 | 115.4 | 18.7 | 20.4 |
| 1997 01 02 | 10 | 54.06 | +23 22.9 | 2.109 | 2.786 | 124.5 | 16.9 | 20.2 |
| 1997 01 12 | 10 | 55.59 | +24 50.3 | 2.031 | 2.804 | 134.0 | 14.6 | 20.1 |
| 1997 01 22 | 10 | 54.56 | +26 28.1 | 1.972 | 2.823 | 143.3 | 12.0 | 20.0 |
| 1997 02 01 | 10 | 51.11 | +28 09.3 | 1.936 | 2.843 | 151.9 | 9.4 | 19.8 |
| 1997 02 11 | 10 | 45.66 | +29 45.4 | 1.925 | 2.864 | 158.0 | 7.4 | 19.7 |
| 1997 02 21 | 10 | 38.95 | +31 07.1 | 1.941 | 2.885 | 158.9 | 7.1 | 19.8 |
| 1997 03 03 | 10 | 31.91 | +32 07.7 | 1.983 | 2.908 | 154.2 | 8.5 | 19.9 |
| 1997 03 13 | 10 | 25.52 | +32 43.3 | 2.051 | 2.931 | 146.4 | 10.8 | 20.1 |
| 1997 03 23 | 10 | 20.61 | +32 53.4 | 2.142 | 2.955 | 137.6 | 13.2 | 20.3 |
| 1997 04 02 | 10 | 17.71 | +32 40.5 | 2.251 | 2.980 | 128.7 | 15.2 | 20.5 |
| 1997 04 12 | 10 | 17.04 | +32 08.1 | 2.376 | 3.005 | 119.9 | 16.8 | 20.7 |
| 1997 04 22 | 10 | 18.62 | +31 20.0 | 2.513 | 3.031 | 111.6 | 18.0 | 20.8 |
| 1997 05 02 | 10 | 22.26 | +30 19.8 | 2.659 | 3.057 | 103.6 | 18.7 | 21.0 |
| 1997 05 12 | 10 | 27.70 | +29 10.0 | 2.810 | 3.085 | 96.0 | 19.0 | 21.2 |

Elements MPC 25623

1995 WY₂ $a, e, i = 47.55, 0.00, 2$

Elements MPC 26543

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | V |
|------------|----|-----------------|-----------------|----------|--------|------------|--------|------|
| 1996 08 15 | 05 | 18.33 | +23 06.7 | 48.017 | 47.551 | 62.1 | 1.1 | 24.0 |
| 1996 08 25 | 05 | 18.80 | +23 07.2 | 47.860 | 47.551 | 71.6 | 1.2 | 24.0 |
| 1996 09 04 | 05 | 19.13 | +23 07.6 | 47.695 | 47.551 | 81.2 | 1.2 | 24.0 |
| 1996 09 14 | 05 | 19.30 | +23 07.8 | 47.525 | 47.551 | 90.9 | 1.2 | 23.9 |
| 1996 09 24 | 05 | 19.33 | +23 07.9 | 47.356 | 47.551 | 100.6 | 1.2 | 23.9 |
| 1996 10 04 | 05 | 19.21 | +23 07.9 | 47.192 | 47.551 | 110.5 | 1.1 | 23.9 |
| 1996 10 14 | 05 | 18.93 | +23 07.7 | 47.038 | 47.551 | 120.4 | 1.0 | 23.9 |
| 1996 10 24 | 05 | 18.52 | +23 07.3 | 46.900 | 47.551 | 130.4 | 0.9 | 23.9 |
| 1996 11 03 | 05 | 17.99 | +23 06.8 | 46.781 | 47.551 | 140.5 | 0.8 | 23.9 |
| 1996 11 13 | 05 | 17.36 | +23 06.3 | 46.685 | 47.551 | 150.7 | 0.6 | 23.8 |
| 1996 11 23 | 05 | 16.64 | +23 05.6 | 46.616 | 47.551 | 161.0 | 0.4 | 23.8 |
| 1996 12 03 | 05 | 15.87 | +23 04.8 | 46.576 | 47.551 | 171.3 | 0.2 | 23.8 |
| 1996 12 13 | 05 | 15.07 | +23 04.0 | 46.567 | 47.551 | 178.4 | 0.0 | 23.7 |
| 1996 12 23 | 05 | 14.28 | +23 03.2 | 46.588 | 47.551 | 168.0 | 0.2 | 23.8 |
| 1997 01 02 | 05 | 13.53 | +23 02.5 | 46.640 | 47.551 | 157.6 | 0.5 | 23.8 |
| 1997 01 12 | 05 | 12.83 | +23 01.7 | 46.720 | 47.551 | 147.3 | 0.6 | 23.8 |
| 1997 01 22 | 05 | 12.23 | +23 01.1 | 46.827 | 47.551 | 137.0 | 0.8 | 23.9 |
| 1997 02 01 | 05 | 11.74 | +23 00.6 | 46.955 | 47.551 | 126.7 | 1.0 | 23.9 |
| 1997 02 11 | 05 | 11.39 | +23 00.2 | 47.103 | 47.551 | 116.5 | 1.1 | 23.9 |
| 1997 02 21 | 05 | 11.17 | +23 00.0 | 47.263 | 47.551 | 106.3 | 1.1 | 23.9 |
| 1997 03 03 | 05 | 11.11 | +23 00.0 | 47.432 | 47.551 | 96.3 | 1.2 | 23.9 |
| 1997 03 13 | 05 | 11.21 | +23 00.2 | 47.605 | 47.551 | 86.3 | 1.2 | 23.9 |
| 1997 03 23 | 05 | 11.46 | +23 00.5 | 47.775 | 47.551 | 76.4 | 1.2 | 24.0 |
| 1997 04 02 | 05 | 11.86 | +23 01.0 | 47.939 | 47.551 | 66.6 | 1.1 | 24.0 |

94P/Russell 4

Elements MPC 23482

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | m_2 |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|-------|
| 1996 09 04 | 08 | 45.19 | +21 25.5 | 3.229 | 2.458 | 34.0 | 13.2 | 21.3 |
| 1996 09 14 | 09 | 04.85 | +20 21.3 | 3.130 | 2.432 | 38.9 | 15.1 | 21.2 |
| 1996 09 24 | 09 | 24.26 | +19 11.2 | 3.025 | 2.406 | 44.0 | 16.8 | 21.2 |
| 1996 10 04 | 09 | 43.36 | +17 56.5 | 2.914 | 2.382 | 49.1 | 18.5 | 21.2 |
| 1996 10 14 | 10 | 02.10 | +16 38.4 | 2.798 | 2.359 | 54.3 | 20.1 | 21.1 |
| 1996 10 24 | 10 | 20.38 | +15 18.4 | 2.677 | 2.338 | 59.7 | 21.5 | 21.0 |
| 1996 11 03 | 10 | 38.13 | +13 58.1 | 2.554 | 2.319 | 65.1 | 22.8 | 21.0 |
| 1996 11 13 | 10 | 55.28 | +12 39.1 | 2.428 | 2.301 | 70.8 | 24.0 | 20.9 |
| 1996 11 23 | 11 | 11.68 | +11 23.6 | 2.301 | 2.285 | 76.6 | 24.9 | 20.8 |
| 1996 12 03 | 11 | 27.21 | +10 13.5 | 2.174 | 2.271 | 82.8 | 25.5 | 20.6 |
| 1996 12 13 | 11 | 41.68 | +09 10.8 | 2.047 | 2.259 | 89.2 | 25.8 | 20.5 |
| 1996 12 23 | 11 | 54.84 | +08 18.0 | 1.923 | 2.249 | 95.9 | 25.8 | 20.4 |
| 1997 01 02 | 12 | 06.47 | +07 36.9 | 1.803 | 2.241 | 103.1 | 25.3 | 20.2 |
| 1997 01 12 | 12 | 16.21 | +07 09.8 | 1.688 | 2.235 | 110.8 | 24.3 | 20.0 |
| 1997 01 22 | 12 | 23.72 | +06 58.0 | 1.581 | 2.231 | 119.0 | 22.7 | 19.8 |
| 1997 02 01 | 12 | 28.69 | +07 02.3 | 1.485 | 2.229 | 127.8 | 20.4 | 19.6 |
| 1997 02 11 | 12 | 30.81 | +07 22.2 | 1.402 | 2.230 | 137.3 | 17.5 | 19.4 |
| 1997 02 21 | 12 | 30.00 | +07 55.0 | 1.336 | 2.233 | 147.3 | 13.9 | 19.2 |
| 1997 03 03 | 12 | 26.47 | +08 35.5 | 1.290 | 2.237 | 157.4 | 9.8 | 18.9 |
| 1997 03 13 | 12 | 20.79 | +09 16.8 | 1.266 | 2.244 | 166.4 | 6.0 | 18.7 |
| 1997 03 23 | 12 | 13.95 | +09 50.4 | 1.267 | 2.254 | 169.1 | 4.8 | 18.7 |

| | | | | | | | |
|------------|----------|----------|-------|-------|-------|------|------|
| 1997 04 02 | 12 07.12 | +10 09.4 | 1.292 | 2.265 | 162.2 | 7.8 | 18.9 |
| 1997 04 12 | 12 01.42 | +10 09.2 | 1.341 | 2.278 | 152.5 | 11.7 | 19.1 |
| 1997 04 22 | 11 57.73 | +09 48.2 | 1.411 | 2.293 | 142.7 | 15.4 | 19.4 |
| 1997 05 02 | 11 56.48 | +09 07.9 | 1.499 | 2.310 | 133.3 | 18.5 | 19.6 |
| 1997 05 12 | 11 57.77 | +08 10.8 | 1.602 | 2.328 | 124.5 | 20.9 | 19.9 |
| 1997 05 22 | 12 01.49 | +06 59.8 | 1.717 | 2.349 | 116.4 | 22.7 | 20.1 |
| 1997 06 01 | 12 07.34 | +05 37.9 | 1.841 | 2.370 | 108.7 | 23.9 | 20.3 |
| 1997 06 11 | 12 15.04 | +04 07.4 | 1.973 | 2.394 | 101.6 | 24.6 | 20.5 |
| 1997 06 21 | 12 24.30 | +02 30.6 | 2.110 | 2.419 | 94.9 | 24.8 | 20.7 |
| 1997 07 01 | 12 34.84 | +00 49.3 | 2.251 | 2.445 | 88.4 | 24.6 | 20.8 |
| 1997 07 11 | 12 46.48 | -00 55.1 | 2.394 | 2.472 | 82.3 | 24.0 | 21.0 |
| 1997 07 21 | 12 59.01 | -02 41.2 | 2.537 | 2.500 | 76.3 | 23.3 | 21.1 |
| 1997 07 31 | 13 12.29 | -04 27.8 | 2.680 | 2.530 | 70.5 | 22.2 | 21.2 |
| 1997 08 10 | 13 26.23 | -06 14.0 | 2.821 | 2.560 | 64.8 | 21.0 | 21.3 |

36P/Whipple

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | m_2 |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|-------|
| 1996 09 14 | | 09 05.06 | +09 31.3 | 4.902 | 4.134 | 36.2 | 8.3 | 19.6 |
| 1996 09 24 | | 09 14.47 | +08 45.3 | 4.827 | 4.156 | 43.4 | 9.5 | 19.6 |
| 1996 10 04 | | 09 23.21 | +07 59.5 | 4.737 | 4.177 | 50.8 | 10.7 | 19.7 |
| 1996 10 14 | | 09 31.19 | +07 14.6 | 4.634 | 4.199 | 58.5 | 11.7 | 19.7 |
| 1996 10 24 | | 09 38.28 | +06 31.8 | 4.519 | 4.221 | 66.4 | 12.5 | 19.6 |
| 1996 11 03 | | 09 44.38 | +05 52.1 | 4.395 | 4.242 | 74.7 | 13.0 | 19.6 |
| 1996 11 13 | | 09 49.36 | +05 16.8 | 4.265 | 4.264 | 83.3 | 13.3 | 19.6 |
| 1996 11 23 | | 09 53.09 | +04 47.0 | 4.131 | 4.285 | 92.2 | 13.3 | 19.5 |
| 1996 12 03 | | 09 55.45 | +04 24.1 | 3.998 | 4.306 | 101.6 | 13.0 | 19.4 |
| 1996 12 13 | | 09 56.34 | +04 09.2 | 3.870 | 4.327 | 111.3 | 12.2 | 19.4 |
| 1996 12 23 | | 09 55.72 | +04 03.6 | 3.752 | 4.348 | 121.5 | 11.1 | 19.3 |
| 1997 01 02 | | 09 53.59 | +04 07.8 | 3.648 | 4.368 | 132.0 | 9.6 | 19.1 |
| 1997 01 12 | | 09 50.07 | +04 22.2 | 3.564 | 4.389 | 142.9 | 7.8 | 19.0 |
| 1997 01 22 | | 09 45.37 | +04 46.2 | 3.504 | 4.409 | 153.9 | 5.6 | 18.9 |
| 1997 02 01 | | 09 39.84 | +05 18.6 | 3.472 | 4.429 | 164.5 | 3.4 | 18.8 |
| 1997 02 11 | | 09 33.89 | +05 57.3 | 3.470 | 4.449 | 171.8 | 1.8 | 18.7 |
| 1997 02 21 | | 09 28.02 | +06 39.6 | 3.499 | 4.469 | 167.1 | 2.8 | 18.8 |
| 1997 03 03 | | 09 22.69 | +07 22.6 | 3.559 | 4.488 | 157.0 | 5.0 | 18.9 |
| 1997 03 13 | | 09 18.30 | +08 03.8 | 3.647 | 4.507 | 146.2 | 7.0 | 19.1 |
| 1997 03 23 | | 09 15.13 | +08 40.9 | 3.760 | 4.527 | 135.6 | 8.9 | 19.3 |
| 1997 04 02 | | 09 13.36 | +09 12.3 | 3.894 | 4.546 | 125.3 | 10.3 | 19.4 |
| 1997 04 12 | | 09 13.05 | +09 37.0 | 4.044 | 4.564 | 115.4 | 11.4 | 19.5 |
| 1997 04 22 | | 09 14.17 | +09 54.5 | 4.205 | 4.583 | 105.9 | 12.2 | 19.7 |
| 1997 05 02 | | 09 16.62 | +10 04.7 | 4.373 | 4.601 | 96.7 | 12.6 | 19.8 |
| 1997 05 12 | | 09 20.30 | +10 07.8 | 4.544 | 4.619 | 87.9 | 12.6 | 19.9 |
| 1997 05 22 | | 09 25.05 | +10 03.9 | 4.714 | 4.637 | 79.5 | 12.4 | 19.9 |
| 1997 06 01 | | 09 30.74 | +09 53.6 | 4.880 | 4.655 | 71.3 | 11.9 | 20.0 |
| 1997 06 11 | | 09 37.22 | +09 37.3 | 5.039 | 4.672 | 63.3 | 11.2 | 20.1 |
| 1997 06 21 | | 09 44.36 | +09 15.4 | 5.188 | 4.689 | 55.6 | 10.3 | 20.1 |
| 1997 07 01 | | 09 52.04 | +08 48.5 | 5.325 | 4.706 | 48.0 | 9.2 | 20.1 |
| 1997 07 11 | | 10 00.16 | +08 16.9 | 5.449 | 4.723 | 40.6 | 8.0 | 20.1 |
| 1997 07 21 | | 10 08.61 | +07 41.4 | 5.557 | 4.740 | 33.2 | 6.7 | 20.1 |

58P/Jackson-Neujmin

Elements MPC 25513

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | m_2 |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|-------|
| 1996 09 04 | | 08 46.75 | +10 52.7 | 4.283 | 3.462 | 31.3 | 8.7 | 17.9 |
| 1996 09 14 | | 08 57.34 | +10 09.8 | 4.262 | 3.526 | 38.2 | 10.2 | 18.0 |
| 1996 09 24 | | 09 07.07 | +09 27.1 | 4.224 | 3.590 | 45.3 | 11.5 | 18.1 |
| 1996 10 04 | | 09 15.86 | +08 45.4 | 4.170 | 3.652 | 52.7 | 12.6 | 18.2 |
| 1996 10 14 | | 09 23.61 | +08 05.9 | 4.102 | 3.714 | 60.5 | 13.5 | 18.2 |
| 1996 10 24 | | 09 30.21 | +07 29.9 | 4.022 | 3.775 | 68.6 | 14.2 | 18.2 |
| 1996 11 03 | | 09 35.53 | +06 58.4 | 3.932 | 3.835 | 77.1 | 14.6 | 18.2 |
| 1996 11 13 | | 09 39.45 | +06 32.9 | 3.836 | 3.894 | 86.0 | 14.7 | 18.2 |
| 1996 11 23 | | 09 41.84 | +06 14.7 | 3.736 | 3.953 | 95.4 | 14.4 | 18.2 |
| 1996 12 03 | | 09 42.59 | +06 05.1 | 3.638 | 4.011 | 105.2 | 13.7 | 18.1 |
| 1996 12 13 | | 09 41.63 | +06 05.1 | 3.546 | 4.068 | 115.5 | 12.6 | 18.0 |
| 1996 12 23 | | 09 38.96 | +06 15.5 | 3.466 | 4.124 | 126.2 | 11.1 | 18.0 |
| 1997 01 02 | | 09 34.68 | +06 36.4 | 3.402 | 4.179 | 137.4 | 9.2 | 17.9 |
| 1997 01 12 | | 09 29.00 | +07 07.2 | 3.362 | 4.234 | 148.8 | 6.9 | 17.8 |
| 1997 01 22 | | 09 22.30 | +07 46.5 | 3.348 | 4.287 | 160.2 | 4.5 | 17.7 |
| 1997 02 01 | | 09 15.03 | +08 31.7 | 3.366 | 4.341 | 170.5 | 2.1 | 17.6 |
| 1997 02 11 | | 09 07.73 | +09 20.1 | 3.415 | 4.393 | 171.0 | 2.0 | 17.6 |
| 1997 02 21 | | 09 00.95 | +10 08.7 | 3.497 | 4.445 | 161.1 | 4.1 | 17.8 |
| 1997 03 03 | | 08 55.11 | +10 54.7 | 3.609 | 4.495 | 150.0 | 6.3 | 18.0 |
| 1997 03 13 | | 08 50.56 | +11 36.1 | 3.749 | 4.546 | 139.0 | 8.2 | 18.2 |
| 1997 03 23 | | 08 47.50 | +12 11.4 | 3.910 | 4.595 | 128.3 | 9.8 | 18.4 |
| 1997 04 02 | | 08 45.97 | +12 40.0 | 4.090 | 4.644 | 118.0 | 11.0 | 18.6 |
| 1997 04 12 | | 08 45.96 | +13 01.6 | 4.282 | 4.692 | 108.1 | 11.7 | 18.7 |
| 1997 04 22 | | 08 47.37 | +13 16.2 | 4.483 | 4.739 | 98.7 | 12.1 | 18.9 |
| 1997 05 02 | | 08 50.04 | +13 24.2 | 4.687 | 4.786 | 89.6 | 12.2 | 19.0 |
| 1997 05 12 | | 08 53.82 | +13 25.8 | 4.890 | 4.832 | 80.8 | 11.9 | 19.1 |
| 1997 05 22 | | 08 58.57 | +13 21.7 | 5.089 | 4.878 | 72.3 | 11.4 | 19.2 |
| 1997 06 01 | | 09 04.11 | +13 12.1 | 5.281 | 4.922 | 64.0 | 10.7 | 19.2 |
| 1997 06 11 | | 09 10.31 | +12 57.7 | 5.462 | 4.966 | 56.0 | 9.8 | 19.3 |
| 1997 06 21 | | 09 17.05 | +12 38.8 | 5.631 | 5.010 | 48.1 | 8.7 | 19.3 |
| 1997 07 01 | | 09 24.19 | +12 16.0 | 5.784 | 5.053 | 40.4 | 7.5 | 19.4 |
| 1997 07 11 | | 09 31.64 | +11 49.7 | 5.920 | 5.095 | 32.7 | 6.2 | 19.4 |

OPPOSITION DATA

| Planet | Opposition | α_{2000} | δ_{2000} | V | $\dot{\alpha}$ | $\dot{\delta}$ | ϕ_{MIN} | MPC |
|-----------------------|------------|-----------------|-----------------|------|----------------|----------------|---------------------|-------|
| 1995 AW | 96 06 30.2 | 18 38.08 | -29 05.1 | 15.3 | -1.10 | + 3.8 | 2.3/30.2 | 25539 |
| 2073 P-L | 96 06 30.2 | 18 38.23 | -19 16.7 | 19.1 | -0.96 | - 0.6 | 1.3/30.4 | 25336 |
| 1988 FS ₂ | 96 06 30.2 | 18 38.50 | -27 46.9 | 16.5 | -1.08 | - 0.8 | 2.1/30.1 | 24912 |
| 1986 GV | 96 06 30.4 | 18 39.07 | -16 47.2 | 16.0 | -0.93 | - 8.8 | 2.6/01.4 | 27566 |
| 1993 SJ ₅ | 96 06 30.4 | 18 39.10 | -33 25.1 | 16.6 | -1.18 | 0.0 | 4.1/30.0 | 25068 |
| 1989 RO ₂ | 96 06 30.6 | 18 39.78 | -58 43.6 | 16.7 | -1.84 | - 0.2 | 12.8/27.1 | 23537 |
| 3230 T-2 | 96 06 30.6 | 18 39.93 | -22 42.6 | 18.7 | -0.79 | - 1.6 | 0.1/30.7 | 25337 |
| 1992 YL | 96 06 30.6 | 18 40.03 | -31 26.8 | 15.5 | -0.95 | - 5.4 | 2.8/29.7 | 25340 |
| 1992 XB | 96 06 30.7 | 18 40.34 | -17 41.6 | 16.8 | -0.88 | + 1.5 | 1.7/30.9 | 22432 |
| (6465) | 96 06 30.7 | 18 40.34 | -39 57.1 | 16.8 | -1.12 | - 0.7 | 5.4/29.8 | 25325 |
| 1981 EA ₂₉ | 96 06 30.7 | 18 40.35 | -10 07.6 | 18.6 | -0.90 | - 0.3 | 4.5/01.4 | 22697 |
| 1982 SO ₄ | 96 07 01.0 | 18 41.57 | -34 36.6 | 18.0 | -1.18 | - 1.4 | 4.0/30.2 | 23132 |
| 1987 WT ₁ | 96 07 01.0 | 18 41.63 | -23 38.2 | 17.6 | -0.82 | - 1.8 | 0.2/01.0 | 25648 |
| 1989 EH ₆ | 96 07 01.2 | 18 42.20 | -22 00.4 | 16.2 | -0.84 | - 1.7 | 0.4/01.3 | 26756 |
| (6303) | 96 07 01.3 | 18 42.68 | -31 57.6 | 15.4 | -1.15 | - 1.8 | 4.5/30.7 | 25048 |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| 1978 SA ₇ | 96 07 01.4 | 18 43.46 | -33 41.3 | 16.9 | -1.07 | - 0.4 | 3.8/30.8 | 25077 | 1981 EE ₂₁ | 96 07 07.0 | 19 06.40 | -04 13.7 | 18.5 | -0.87 | - 1.9 | 6.6/08.9 | 26919 |
| 1993 RK ₄ | 96 07 01.5 | 18 43.40 | -24 26.6 | 17.3 | -1.06 | - 0.3 | 0.6/01.4 | 24914 | 1980 KK | 96 07 07.1 | 19 06.63 | -21 22.6 | 15.8 | -0.95 | - 2.5 | 0.7/07.3 | 17816 |
| 1994 AC ₃ | 96 07 01.5 | 18 43.50 | -23 49.1 | 17.9 | -0.81 | - 0.9 | 0.2/01.5 | 23242 | 1981 EA ₅ | 96 07 07.1 | 19 06.85 | -16 12.5 | 19.1 | -0.92 | + 0.7 | 2.1/07.6 | 20497 |
| 6580 P-L | 96 07 01.6 | 18 44.07 | -26 58.8 | 15.5 | -1.11 | - 3.4 | 1.9/01.3 | 24120 | (6253) | 96 07 07.2 | 19 07.16 | -15 41.9 | 16.9 | -1.06 | - 1.1 | 2.9/07.9 | 24731 |
| (6459) | 96 07 01.7 | 18 44.53 | -08 18.8 | 16.6 | -0.80 | - 1.8 | 4.8/02.9 | 25324 | 1981 EH ₉ | 96 07 07.3 | 19 07.44 | -20 26.1 | 18.7 | -1.08 | - 0.6 | 0.8/07.5 | 22696 |
| 1988 RU ₆ | 96 07 01.8 | 18 44.71 | -19 54.5 | 16.3 | -0.95 | - 1.0 | 1.3/02.0 | 23133 | (7078) | 96 07 07.3 | 19 07.46 | -18 25.5 | 15.1 | -0.95 | - 3.0 | 2.0/07.8 | 27546 |
| 1989 WG ₇ | 96 07 01.8 | 18 44.92 | -21 20.3 | 17.6 | -0.96 | - 0.7 | 0.6/02.0 | 25226 | 1992 UX ₄ | 96 07 07.5 | 19 08.10 | -04 44.0 | 17.1 | -0.90 | + 1.7 | 5.7/08.4 | 22971 |
| 4023 T-1 | 96 07 02.0 | 18 45.65 | -12 32.6 | 18.6 | -1.03 | - 1.6 | 4.0/02.8 | 21952 | 1991 QG | 96 07 07.5 | 19 08.27 | -09 17.3 | 16.8 | -0.89 | - 0.1 | 5.8/08.4 | 27567 |
| 3138 T-1 | 96 07 02.2 | 18 46.74 | -16 58.5 | 18.3 | -1.05 | - 1.5 | 2.4/02.7 | 24915 | 1990 WB ₂ | 96 07 07.5 | 19 08.28 | -21 32.4 | 17.0 | -1.05 | - 5.0 | 0.4/07.7 | 23247 |
| 1992 WP ₃ | 96 07 02.3 | 18 47.07 | -23 03.8 | 16.3 | -0.90 | + 1.6 | 0.0/02.4 | 24119 | 1981 EK ₁₆ | 96 07 07.6 | 19 08.62 | -32 26.7 | 19.1 | -1.16 | + 0.6 | 4.5/06.9 | 26918 |
| 1990 WV ₄ | 96 07 02.3 | 18 47.14 | -15 54.8 | 17.5 | -1.02 | - 1.2 | 2.7/02.9 | 25080 | 1981 EO ₁₁ | 96 07 07.6 | 19 08.82 | -22 22.4 | 18.1 | -1.09 | - 0.9 | 0.1/07.7 | 22270 |
| 1981 EP ₄₆ | 96 07 02.4 | 18 47.23 | -32 29.6 | 19.4 | -1.07 | - 0.8 | 3.1/01.7 | 26923 | 1991 CM ₃ | 96 07 07.7 | 19 09.01 | -19 45.7 | 16.8 | -1.01 | - 3.2 | 1.0/08.0 | 25226 |
| 1981 EO ₄₁ | 96 07 02.4 | 18 47.46 | -38 38.5 | 18.2 | -1.10 | - 1.0 | 5.9/01.2 | 26922 | 1995 DM ₂ | 96 07 07.7 | 19 09.24 | -32 35.3 | 15.5 | -0.99 | - 6.6 | 4.6/06.1 | 27568 |
| (6270) | 96 07 02.5 | 18 47.90 | -23 19.9 | 16.3 | -1.10 | + 1.3 | 0.1/02.6 | 24891 | 1981 EN ₁₉ | 96 07 07.8 | 19 09.43 | -17 25.3 | 19.4 | -0.89 | - 1.3 | 1.6/08.3 | 26918 |
| (7097) | 96 07 02.6 | 18 47.98 | -23 39.6 | 17.1 | -1.08 | - 1.9 | 0.3/02.6 | 27551 | 1981 EX ₁₄ | 96 07 07.8 | 19 09.45 | -08 14.7 | 19.4 | -0.84 | - 0.8 | 5.6/09.2 | 22270 |
| 9530 P-L | 96 07 02.7 | 18 48.74 | -08 12.5 | 18.2 | -0.97 | - 1.9 | 5.3/04.0 | 23986 | 1981 EV ₂₅ | 96 07 07.8 | 19 09.47 | -09 33.1 | 17.6 | -0.87 | - 2.4 | 4.9/09.2 | 26919 |
| 1991 PG ₃ | 96 07 03.1 | 18 50.42 | -23 42.4 | 17.1 | -0.87 | - 2.1 | 0.3/03.1 | 24897 | (6324) | 96 07 07.8 | 19 09.56 | -24 31.7 | 16.7 | -1.00 | - 2.2 | 0.7/07.6 | 25053 |
| 1988 PL ₁ | 96 07 03.3 | 18 50.84 | +01 06.3 | 16.1 | -1.25 | +10.7 | 12.3/01.7 | 27566 | 1995 DZ ₈ | 96 07 07.8 | 19 09.65 | -26 38.8 | 18.5 | -1.08 | - 1.6 | 1.6/07.5 | 25073 |
| 1993 TJ ₁ | 96 07 03.3 | 18 51.11 | -34 54.9 | 15.5 | -1.16 | - 2.9 | 6.0/02.1 | 24914 | 1995 BR ₄ | 96 07 07.9 | 19 10.10 | -14 27.6 | 16.5 | -1.04 | - 4.3 | 3.3/09.0 | 27568 |
| 1975 SK ₁ | 96 07 03.3 | 18 51.32 | -27 11.0 | 16.9 | -1.10 | - 1.1 | 1.8/03.1 | 25338 | (6267) | 96 07 08.3 | 19 11.44 | -20 32.8 | 17.2 | -1.12 | - 2.8 | 0.8/08.5 | 24891 |
| 1992 RZ | 96 07 03.5 | 18 51.69 | -22 52.4 | 16.8 | -0.90 | - 0.8 | 0.0/03.5 | 23869 | 1985 RJ ₅ | 96 07 08.3 | 19 11.72 | -26 22.2 | 17.5 | -1.11 | - 2.8 | 1.6/07.9 | 16697 |
| 1981 EM ₂₂ | 96 07 03.5 | 18 51.70 | -25 33.2 | 20.4 | -1.11 | - 0.9 | 1.0/03.3 | 26919 | 1995 FG ₁ | 96 07 08.5 | 19 12.48 | -22 51.1 | 16.1 | -0.90 | - 1.2 | 0.2/08.5 | 25963 |
| 1981 ED ₄₇ | 96 07 03.7 | 18 52.88 | -25 36.0 | 20.4 | -1.11 | - 1.0 | 1.0/03.6 | 26923 | 1981 ED ₁₃ | 96 07 08.5 | 19 12.61 | -27 32.4 | 20.2 | -0.98 | - 0.1 | 1.7/08.1 | 26917 |
| 1978 VP ₁₀ | 96 07 03.8 | 18 53.28 | -25 25.4 | 17.1 | -1.03 | - 3.3 | 1.1/03.6 | 25224 | 1979 MO ₇ | 96 07 08.7 | 19 13.00 | -15 10.3 | 19.2 | -0.80 | - 0.5 | 2.2/09.4 | 21561 |
| 1174 T-1 | 96 07 04.0 | 18 54.12 | -23 03.9 | 18.0 | -0.80 | - 1.0 | 0.1/04.1 | 23986 | 1994 AL ₁₆ | 96 07 08.7 | 19 13.01 | -08 43.4 | 17.7 | -0.78 | - 2.1 | 4.2/10.3 | 23676 |
| 1279 T-2 | 96 07 04.1 | 18 54.24 | -20 34.4 | 17.9 | -1.11 | - 1.6 | 1.0/04.3 | 22972 | 1992 GA ₁ | 96 07 08.7 | 19 13.10 | +22 29.3 | 17.5 | -0.89 | - 2.3 | 19.9/20.4 | 20344 |
| 1988 RN ₄ | 96 07 04.1 | 18 54.24 | -41 55.8 | 15.0 | -1.10 | + 5.2 | 9.8/04.3 | 22079 | 2093 P-L | 96 07 08.7 | 19 13.11 | -08 53.5 | 17.0 | -0.81 | - 0.5 | 4.7/10.1 | 21977 |
| 1988 VS ₃ | 96 07 04.1 | 18 54.41 | -12 04.0 | 16.0 | -0.96 | + 3.3 | 4.5/04.4 | 23670 | 1981 EX ₂₀ | 96 07 08.7 | 19 13.31 | -11 28.1 | 17.9 | -0.84 | - 3.3 | 4.2/10.2 | 26918 |
| 1994 AQ | 96 07 04.2 | 18 54.75 | -13 34.3 | 15.4 | -0.96 | - 6.0 | 3.6/05.0 | 25442 | 1992 OG ₂ | 96 07 08.8 | 19 13.88 | -19 04.3 | 17.2 | -0.94 | - 3.2 | 1.2/09.3 | 27455 |
| 6783 P-L | 96 07 04.4 | 18 55.73 | -31 17.9 | 19.2 | -1.02 | - 1.8 | 3.1/03.7 | 21600 | 4550 P-L | 96 07 08.9 | 19 14.17 | -29 25.6 | 19.6 | -1.19 | - 2.0 | 2.9/08.2 | 17462 |
| 1989 YP ₅ | 96 07 04.6 | 18 56.44 | -18 48.6 | 16.3 | -0.95 | - 3.8 | 1.7/05.0 | 21973 | 1995 EQ ₁ | 96 07 09.0 | 19 14.51 | -23 38.9 | 17.4 | -0.86 | - 2.0 | 0.4/08.9 | 25442 |
| 1991 RR ₃₀ | 96 07 04.7 | 18 56.66 | -32 06.9 | 16.7 | -0.91 | - 1.5 | 2.8/03.8 | 23782 | 1986 TZ ₁₁ | 96 07 09.2 | 19 15.05 | -22 19.6 | 16.8 | -0.88 | 0.0 | 0.0/09.2 | 27566 |
| 1989 CD ₈ | 96 07 04.8 | 18 57.38 | -17 55.6 | 16.3 | -0.87 | + 1.2 | 1.6/05.0 | 27566 | 1992 SU | 96 07 09.3 | 19 15.57 | +00 17.8 | 17.4 | -0.77 | - 2.2 | 6.2/12.1 | 27567 |
| 1996 NX | 96 07 05.2 | 18 58.69 | -17 32.8 | 15.7 | -1.04 | + 4.7 | 2.1/05.3 | 27564 | 1988 XK | 96 07 09.4 | 19 16.01 | -14 29.7 | 17.9 | -0.84 | - 0.6 | 2.4/10.2 | 22272 |
| 1991 RQ ₁₄ | 96 07 05.2 | 18 58.96 | -24 54.1 | 17.2 | -0.86 | - 1.7 | 0.8/05.1 | 25081 | 1993 TZ ₃₆ | 96 07 09.4 | 19 16.04 | -13 21.5 | 17.9 | -1.00 | - 3.2 | 4.2/10.5 | 25332 |
| 1993 QS ₁ | 96 07 05.3 | 18 59.06 | -25 32.6 | 16.2 | -0.93 | + 0.4 | 1.6/05.1 | 25539 | 1993 SK ₁ | 96 07 09.4 | 19 16.17 | -25 58.1 | 15.6 | -1.08 | - 3.0 | 1.8/09.0 | 25228 |
| 1995 CJ | 96 07 05.3 | 18 59.41 | -13 12.1 | 15.7 | -0.82 | - 7.6 | 3.8/07.0 | 24906 | 1981 EZ ₄₄ | 96 07 09.6 | 19 16.86 | -09 55.4 | 18.7 | -0.95 | - 0.7 | 5.9/10.8 | 26923 |
| 1985 PG ₂ | 96 07 05.4 | 18 59.67 | -26 57.3 | 17.2 | -1.08 | - 2.8 | 1.7/05.0 | 25338 | 1990 DZ | 96 07 09.7 | 19 17.34 | -33 57.4 | 17.0 | -1.03 | + 0.6 | 4.1/08.8 | 25440 |
| 1989 TK ₁₆ | 96 07 05.7 | 19 00.78 | -18 28.6 | 16.4 | -0.90 | - 1.9 | 2.2/06.1 | 25329 | 1986 WC ₁ | 96 07 09.9 | 19 17.91 | -25 10.0 | 18.5 | -0.85 | - 2.0 | 0.9/09.5 | 20500 |
| 1993 VJ ₅ | 96 07 05.8 | 19 01.21 | -22 46.0 | 17.9 | -1.00 | - 2.8 | 0.0/05.8 | 27568 | (7098) | 96 07 10.0 | 19 18.79 | -20 53.8 | 16.3 | -0.97 | - 4.4 | 0.5/10.3 | 27551 |
| 1982 UD ₂ | 96 07 05.8 | 19 01.38 | -26 14.5 | 16.3 | -0.92 | - 1.8 | 1.3/05.5 | 27566 | 1993 WE | 96 07 10.2 | 19 19.56 | -22 16.2 | 16.9 | -0.93 | - 1.3 | 0.0/10.3 | 25217 |
| 1995 CE ₂ | 96 07 05.8 | 19 01.57 | -29 30.2 | 15.7 | -1.35 | +10.3 | 2.7/06.2 | 25071 | 1993 SZ | 96 07 10.3 | 19 19.72 | -16 46.6 | 16.5 | -1.07 | - 1.4 | 2.4/10.9 | 25228 |
| 1990 UZ ₁ | 96 07 06.0 | 19 01.96 | -18 30.9 | 17.1 | -1.10 | - 3.5 | 1.8/06.4 | 25213 | 1995 KN | 96 07 10.3 | 19 19.72 | -26 50.3 | 17.2 | -1.12 | - 4.0 | 2.0/09.7 | 26175 |
| 1993 UT ₆ | 96 07 06.3 | 19 03.55 | -06 46.4 | 18.0 | -0.87 | - 2.2 | 5.1/08.1 | 23784 | 1995 GV ₂ | 96 07 10.3 | 19 20.02 | -18 08.8 | 17.7 | -0.89 | - 3.1 | 1.4/10.9 | 25341 |
| 1993 RB ₁₆ | 96 07 06.5 | 19 04.12 | -27 13.2 | 18.7 | -1.07 | - 1.5 | 1.7/06.1 | 25642 | 1992 UK ₁ | 96 07 10.4 | 19 19.96 | -16 38.2 | 15.8 | -0.92 | + 2.2 | 2.3/10.8 | 27567 |
| 1981 EG ₂₉ | 96 07 06.6 | 19 04.72 | -09 28.2 | 19.8 | -0.84 | - 1.7 | 4.0/08.0 | 26920 | 1993 UB ₁ | 96 07 10.4 | 19 20.16 | -63 00.6 | 15.8 | -1.98 | - 0.3 | 17.3/03.1 | 25228 |
| 1978 PS ₂ | 96 07 06.7 | 19 05.23 | -19 02.2 | 16.2 | -1.01 | - 1.3 | 1.6/07.1 | 22947 | 1982 KK ₁ | 96 07 10.4 | 19 20.36 | -24 10.4 | 15.8 | -1.02 | - 5.5 | 1.0/10.2 | 22682 |
| 1981 EM ₃₈ | 96 07 06.7 | 19 05.27 | -24 41.8 | 20.2 | -0.94 | - 0.4 | 0.7/06.6 | 22430 | 1979 TV ₂ | 96 07 10.7 | 19 21.39 | -18 08.5 | 17.1 | -1.05 | - 2.0 | 1.7/11.2 | 27453 |
| 1993 TB ₃₉ | 96 07 06.7 | 19 05.29 | -16 21.7 | 17.8 | -0.93 | - 3.1 | 2.2/07.5 | 25642 | (6357) | 96 07 10.7 | 19 21.50 | -38 36.5 | 16.2 | -1.01 | - 1.3 | 6.0/08.8 | 25194 |
| 1981 EL ₂₂ | 96 07 06.8 | 19 05.70 | -30 37.8 | 21.1 | -1.17 | - 0.6 | 3.3/06.3 | 26919 | 1991 RA ₁₅ | 96 07 10.7 | 19 21.54 | -22 02.1 | 16.8 | -0.83 | - 1.6 | 0.0/10.8 | 25214 |
| 1980 XX | 96 07 07.0 | 19 06.15 | -25 24.0 | 17.0 | -1.14 | - 4.4 | 1.2/06.7 | 25210 | 1981 EN ₁₁ | 96 07 11.0 | 19 22.43 | -29 00.7 | 22.4 | -1.13 | - 1.2 | 2.2/10.3 | 26917 |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| 1992 LN | 96 07 11.0 | 19 22.54 | -26 37.7 | 16.2 | -1.05 | - 5.5 | 1.9/10.3 | 25227 | 1995 AN | 96 07 16.5 | 19 45.03 | -48 49.1 | 16.7 | -1.82 | + 4.2 | 12.8/14.5 | 25442 |
| 1990 UB ₃ | 96 07 11.3 | 19 23.78 | -25 37.0 | 17.8 | -1.13 | - 1.8 | 1.4/10.9 | 25440 | 1988 FW ₂ | 96 07 17.0 | 19 46.88 | -10 41.7 | 17.2 | -0.99 | - 2.8 | 4.2/18.6 | 25225 |
| 1981 EZ ₁₀ | 96 07 11.4 | 19 24.14 | -19 50.2 | 17.2 | -0.91 | - 0.7 | 0.8/11.7 | 22492 | 1981 EC ₁₆ | 96 07 17.0 | 19 46.93 | -18 01.4 | 15.4 | -0.96 | + 0.4 | 1.6/17.4 | 22968 |
| 1988 FN | 96 07 11.5 | 19 24.89 | -52 06.4 | 17.5 | -1.76 | + 6.4 | 12.1/11.8 | 25424 | 1995 AO ₁ | 96 07 17.1 | 19 47.13 | -06 19.6 | 18.6 | -0.88 | - 2.3 | 4.6/19.6 | 27559 |
| 1991 PT ₁₁ | 96 07 11.6 | 19 25.15 | -16 43.1 | 17.1 | -0.84 | - 2.0 | 1.8/12.3 | 20024 | 1992 SA ₂₂ | 96 07 17.1 | 19 47.43 | -28 26.2 | 16.9 | -0.97 | - 2.4 | 2.8/16.0 | 22816 |
| 1991 DC | 96 07 11.8 | 19 26.12 | -27 50.4 | 17.6 | -1.11 | - 2.2 | 2.2/11.2 | 17972 | 1988 RB ₆ | 96 07 17.3 | 19 48.06 | -02 07.6 | 16.0 | -0.72 | - 8.0 | 9.4/21.9 | 27566 |
| 1981 EB ₁₀ | 96 07 11.9 | 19 26.11 | -14 02.8 | 17.9 | -1.01 | - 2.1 | 3.3/12.9 | 26916 | 1995 CL ₁ | 96 07 17.4 | 19 48.47 | -14 41.4 | 16.8 | -0.90 | - 7.2 | 2.3/18.8 | 24907 |
| (6312) | 96 07 12.0 | 19 26.51 | -16 31.9 | 16.8 | -1.07 | - 3.7 | 2.3/12.7 | 25050 | 4716 P-L | 96 07 17.4 | 19 48.54 | -32 32.2 | 17.9 | -1.00 | - 1.9 | 4.4/15.7 | 25076 |
| 1989 WC ₂ | 96 07 12.0 | 19 26.71 | -31 58.1 | 17.4 | -1.05 | - 3.9 | 3.4/10.5 | 25339 | 1990 VF ₃ | 96 07 17.5 | 19 49.01 | -22 30.5 | 15.0 | -1.01 | - 6.1 | 0.7/17.3 | 27567 |
| (7086) | 96 07 12.1 | 19 27.30 | +28 44.3 | 15.8 | -1.06 | + 2.5 | 24.7/16.8 | 27548 | 1986 QQ | 96 07 17.6 | 19 49.27 | -27 38.8 | 16.8 | -1.14 | - 2.1 | 2.6/16.7 | 25225 |
| 1981 EY ₇ | 96 07 12.3 | 19 28.16 | -12 46.9 | 20.0 | -1.03 | - 1.4 | 3.8/13.5 | 26916 | 1994 AB ₂ | 96 07 17.8 | 19 50.27 | -19 58.7 | 16.4 | -0.86 | - 2.2 | 0.3/18.0 | 25228 |
| 1210 T-2 | 96 07 12.4 | 19 28.44 | -27 38.8 | 16.3 | -1.14 | - 1.0 | 2.7/11.8 | 22701 | 1982 UE ₆ | 96 07 17.8 | 19 50.39 | -24 33.3 | 17.5 | -1.06 | - 2.7 | 1.3/17.3 | 25338 |
| 1990 TJ ₃ | 96 07 12.6 | 19 29.11 | -24 51.2 | 16.6 | -1.13 | - 4.9 | 1.3/12.2 | 25063 | 1981 EA ₃₁ | 96 07 18.2 | 19 51.86 | -21 38.9 | 19.7 | -1.07 | - 1.8 | 0.3/18.2 | 26920 |
| 1981 EU ₁₃ | 96 07 12.8 | 19 30.17 | -08 15.5 | 19.3 | -0.99 | - 2.3 | 4.9/14.7 | 21966 | 1985 RV | 96 07 18.3 | 19 52.03 | -06 51.9 | 16.8 | -0.87 | + 6.6 | 7.9/19.1 | 22968 |
| (7090) | 96 07 12.8 | 19 30.18 | -21 10.8 | 16.2 | -1.13 | - 0.6 | 0.3/13.0 | 27549 | 1994 BW ₄ | 96 07 18.3 | 19 52.33 | -23 15.1 | 15.9 | -0.93 | + 1.1 | 0.8/18.1 | 23243 |
| 1985 PE | 96 07 12.9 | 19 30.17 | -09 16.9 | 16.9 | -0.78 | - 4.1 | 4.3/14.9 | 20143 | 3005 P-L | 96 07 18.6 | 19 53.27 | -16 35.9 | 17.8 | -0.88 | + 0.7 | 1.5/19.2 | 22700 |
| (7073) | 96 07 13.1 | 19 31.14 | -12 05.6 | 16.4 | -0.93 | - 1.1 | 5.0/14.3 | 27545 | 1986 QO ₄ | 96 07 18.6 | 19 53.42 | -33 16.1 | 16.1 | -1.19 | - 1.5 | 6.0/16.7 | 22810 |
| 1993 XM | 96 07 13.2 | 19 31.37 | -23 10.4 | 16.2 | -0.84 | - 5.4 | 0.4/13.0 | 25442 | 1981 EE ₁₅ | 96 07 18.7 | 19 53.67 | -19 07.6 | 18.7 | -0.92 | - 0.9 | 0.6/19.0 | 26917 |
| 1981 UC ₂₆ | 96 07 13.2 | 19 31.50 | -17 26.9 | 17.6 | -0.82 | - 2.5 | 1.4/13.8 | 22075 | 4041 P-L | 96 07 18.8 | 19 54.20 | -20 36.5 | 17.4 | -1.06 | - 1.9 | 0.1/18.9 | 27569 |
| 1977 DQ ₃ | 96 07 13.3 | 19 31.98 | -24 03.7 | 18.3 | -0.82 | - 2.1 | 0.7/13.0 | 23347 | (7083) | 96 07 19.0 | 19 55.08 | -11 35.4 | 16.3 | -0.91 | - 0.8 | 3.4/20.0 | 27547 |
| 1989 WB ₂ | 96 07 13.3 | 19 32.04 | -21 56.2 | 17.8 | -0.96 | - 0.9 | 0.1/13.3 | 22970 | 1981 EO ₂₄ | 96 07 19.0 | 19 55.09 | -16 24.2 | 16.8 | -0.98 | - 4.1 | 2.0/19.8 | 26899 |
| 1993 TS ₃₃ | 96 07 13.5 | 19 32.70 | -21 02.6 | 17.6 | -1.02 | - 4.0 | 0.3/13.6 | 27567 | 1994 CF ₁ | 96 07 19.0 | 19 55.19 | -21 30.7 | 16.7 | -1.02 | + 0.9 | 0.2/19.0 | 24119 |
| 1981 EF ₁₃ | 96 07 13.8 | 19 33.83 | -35 21.9 | 18.6 | -1.09 | + 0.4 | 4.7/12.3 | 21100 | 1981 EA ₃₄ | 96 07 19.1 | 19 55.30 | -07 27.7 | 19.2 | -0.86 | - 2.1 | 4.4/21.3 | 26921 |
| 1995 EP ₁ | 96 07 14.0 | 19 34.71 | -37 50.8 | 17.0 | -1.08 | + 0.4 | 5.7/12.3 | 25442 | 6519 P-L | 96 07 19.3 | 19 56.20 | -25 36.5 | 18.0 | -0.84 | - 2.2 | 1.3/18.5 | 22274 |
| (6290) | 96 07 14.2 | 19 35.40 | -19 32.5 | 16.1 | -1.07 | - 4.9 | 0.9/14.5 | 25045 | (7091) | 96 07 19.4 | 19 56.46 | +17 38.4 | 16.6 | -1.05 | + 1.5 | 15.3/26.8 | 27549 |
| 1139 T-2 | 96 07 14.3 | 19 36.21 | -10 05.7 | 17.3 | -0.81 | - 3.2 | 4.9/16.2 | 22701 | 1993 XR | 96 07 19.6 | 19 57.17 | -35 40.0 | 16.4 | -0.95 | - 8.7 | 6.8/15.9 | 27568 |
| 1995 DY ₁ | 96 07 14.3 | 19 36.27 | -11 22.9 | 16.6 | -0.97 | - 1.0 | 5.4/15.0 | 27559 | 1981 EG ₇ | 96 07 19.7 | 19 57.97 | -21 15.7 | 18.5 | -1.09 | + 0.2 | 0.3/19.7 | 26916 |
| 3151 T-2 | 96 07 14.5 | 19 36.89 | -28 00.8 | 17.7 | -1.15 | - 2.8 | 2.7/13.7 | 24909 | 1992 SH | 96 07 19.9 | 19 58.57 | +00 38.2 | 15.6 | -0.77 | - 4.4 | 9.3/24.6 | 21268 |
| 1988 AT ₁ | 96 07 14.5 | 19 36.90 | -22 49.2 | 16.5 | -1.09 | - 1.0 | 0.5/14.4 | 27566 | 1991 TR ₁ | 96 07 20.1 | 19 59.64 | +20 23.8 | 16.2 | -1.08 | + 4.4 | 21.3/24.3 | 24897 |
| 1981 ED ₃₀ | 96 07 14.6 | 19 37.19 | -15 15.7 | 19.2 | -0.74 | - 0.1 | 1.7/15.4 | 26920 | 1982 BE ₁ | 96 07 20.3 | 20 00.25 | -18 15.2 | 17.0 | -0.94 | - 4.7 | 0.8/20.8 | 23347 |
| 2150 T-2 | 96 07 14.7 | 19 37.45 | -00 57.8 | 16.3 | -0.76 | - 2.2 | 9.3/17.8 | 16037 | 1985 RG | 96 07 20.3 | 20 00.34 | -22 20.0 | 16.9 | -1.05 | - 2.9 | 0.8/20.1 | 27566 |
| 2198 T-1 | 96 07 14.7 | 19 37.53 | -23 27.6 | 19.1 | -0.79 | - 2.3 | 0.5/14.4 | 23867 | 1989 OA | 96 07 20.3 | 20 00.35 | -13 15.6 | 15.4 | -0.96 | - 0.8 | 3.6/21.5 | 22081 |
| 1988 DD ₅ | 96 07 14.7 | 19 37.58 | -17 48.6 | 15.5 | -1.06 | + 5.6 | 2.0/15.0 | 27566 | (6404) | 96 07 20.4 | 20 00.50 | -21 26.4 | 17.0 | -0.82 | - 3.4 | 0.3/20.3 | 25204 |
| 1981 EP ₄ | 96 07 14.9 | 19 38.37 | -03 30.1 | 19.1 | -0.84 | - 1.5 | 6.3/17.5 | 26915 | 1990 UO ₃ | 96 07 20.5 | 20 00.78 | -23 10.3 | 17.4 | -1.06 | - 4.9 | 1.1/20.0 | 27567 |
| 1995 EE ₈ | 96 07 15.1 | 19 39.49 | -41 41.5 | 17.3 | -1.21 | + 0.4 | 6.9/12.9 | 25334 | 1981 ED ₁₄ | 96 07 20.5 | 20 00.88 | -23 51.4 | 17.8 | -1.08 | - 0.9 | 1.5/20.1 | 27565 |
| 1982 JE ₁ | 96 07 15.4 | 19 40.27 | -28 09.3 | 16.5 | -1.10 | - 5.7 | 3.2/14.2 | 23788 | 1981 EX ₃ | 96 07 20.6 | 20 01.37 | -09 25.8 | 18.8 | -0.87 | - 1.6 | 3.7/22.4 | 22696 |
| (7076) | 96 07 15.6 | 19 41.15 | -21 40.0 | 16.0 | -0.83 | - 3.2 | 0.1/15.6 | 27545 | 1981 DD ₃ | 96 07 20.6 | 20 01.60 | -20 09.1 | 18.6 | -0.95 | - 0.5 | 0.1/20.7 | 27565 |
| 4642 P-L | 96 07 15.7 | 19 41.77 | -23 52.4 | 16.4 | -0.84 | - 2.5 | 1.4/15.4 | 24909 | 3063 P-L | 96 07 20.7 | 20 01.59 | -19 15.9 | 17.1 | -0.79 | - 0.6 | 0.4/20.9 | 20648 |
| 1993 YH | 96 07 15.8 | 19 41.96 | -22 26.7 | 16.7 | -0.84 | - 2.8 | 0.4/15.6 | 27568 | 1996 NL ₁ | 96 07 20.7 | 20 01.83 | -19 54.8 | 16.6 | -1.07 | - 1.2 | 0.3/20.8 | 27564 |
| 1995 BG ₂ | 96 07 15.8 | 19 42.07 | -19 52.2 | 17.0 | -1.03 | - 4.0 | 0.6/16.1 | 25442 | 2827 P-L | 96 07 20.7 | 20 02.02 | -29 39.1 | 17.7 | -1.09 | - 2.6 | 4.0/19.3 | 25442 |
| 1981 ED ₃₆ | 96 07 15.9 | 19 42.46 | -29 08.1 | 18.0 | -1.11 | + 1.2 | 3.8/15.1 | 26921 | 2407 T-3 | 96 07 20.8 | 20 02.34 | -22 19.2 | 18.0 | -0.89 | - 2.3 | 0.7/20.6 | 25540 |
| 1981 EH ₁₂ | 96 07 15.9 | 19 42.49 | -16 42.5 | 17.9 | -1.00 | 0.0 | 2.3/16.5 | 26917 | 1990 VX ₃ | 96 07 20.8 | 20 02.38 | -25 36.8 | 17.0 | -1.09 | - 3.1 | 1.9/20.0 | 26925 |
| 1989 GB ₁ | 96 07 16.0 | 19 42.84 | -13 49.7 | 17.4 | -0.77 | - 1.6 | 2.2/17.1 | 23684 | 3553 P-L | 96 07 21.0 | 20 03.13 | -20 44.1 | 17.8 | -0.91 | - 1.1 | 0.1/21.0 | 27569 |
| 6643 P-L | 96 07 16.0 | 19 42.84 | -29 51.0 | 16.8 | -1.20 | - 3.3 | 3.6/14.7 | 22701 | (7087) | 96 07 21.1 | 20 03.17 | +15 16.2 | 16.2 | -1.12 | 0.0 | 15.7/27.3 | 27548 |
| 1981 EN ₃₉ | 96 07 16.1 | 19 43.25 | -16 30.7 | 19.4 | -0.88 | - 2.5 | 1.8/16.9 | 26922 | (6337) | 96 07 21.1 | 20 03.40 | -20 10.8 | 17.3 | -0.79 | - 3.2 | 0.1/21.2 | 25056 |
| 1995 FB ₁₄ | 96 07 16.1 | 19 43.50 | -20 02.0 | 17.8 | -0.95 | - 2.3 | 0.6/16.4 | 25334 | 1982 UF ₇ | 96 07 21.1 | 20 03.44 | -06 59.5 | 16.1 | -0.83 | - 1.6 | 5.0/23.4 | 24759 |
| (7084) | 96 07 16.2 | 19 43.92 | -09 30.7 | 16.3 | -0.91 | - 4.6 | 5.0/18.5 | 27547 | 4038 P-L | 96 07 21.2 | 20 03.99 | -20 33.3 | 18.0 | -1.03 | - 2.5 | 0.1/21.3 | 27564 |
| 1985 SB | 96 07 16.4 | 19 44.29 | -31 38.8 | 15.3 | -1.10 | - 0.6 | 4.9/15.0 | 25537 | 1993 TC ₃ | 96 07 21.4 | 20 04.39 | -16 34.1 | 16.4 | -0.99 | - 4.1 | 2.0/22.1 | 23350 |
| 1989 CW ₂ | 96 07 16.4 | 19 44.52 | -12 26.2 | 15.8 | -0.85 | + 0.4 | 3.2/17.5 | 21972 | 1981 EY ₁₆ | 96 07 21.6 | 20 05.28 | -14 47.5 | 18.2 | -1.02 | - 1.8 | 2.6/22.5 | 26918 |
| 1994 AQ ₁ | 96 07 16.5 | 19 44.80 | -21 11.5 | 16.3 | -0.91 | - 1.5 | 0.0/16.5 | 27568 | 1981 EX ₃₄ | 96 07 21.7 | 20 05.83 | -12 04.0 | 18.7 | -0.84 | - 4.7 | 3.0/23.4 | 26921 |
| 1986 XR ₅ | 96 07 16.5 | 19 45.01 | -28 03.6 | 15.9 | -0.94 | - 2.7 | 2.6/15.5 | 27119 | 1995 BO ₁ | 96 07 21.8 | 20 06.25 | -15 47.0 | 16.3 | -1.07 | - 2.0 | 1.9/22.6 | 25533 |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------------|----------|----------|------|-------|-------|----------|-------|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| 1992 GE ₂ | 96 07 21.8 | 20 06.35 | -26 59.5 | 17.0 | -1.18 | - 2.6 | 3.0/20.8 | 27567 | 1981 EE ₁₂ | 96 07 26.4 | 20 24.28 | -15 43.6 | 17.8 | -1.06 | - 1.3 | 1.5/27.0 | 22696 |
| 3177 T-2 | 96 07 21.9 | 20 06.43 | -21 56.0 | 17.8 | -1.07 | - 3.7 | 0.7/21.6 | 27565 | 5008 P-L | 96 07 26.6 | 20 24.98 | -30 09.2 | 19.1 | -1.13 | - 1.4 | 4.4/24.7 | 25076 |
| 1981 EE ₂₉ | 96 07 22.0 | 20 07.14 | -20 31.4 | 19.4 | -1.08 | - 1.3 | 0.1/22.0 | 22271 | (6464) | 96 07 26.8 | 20 25.92 | -23 44.1 | 16.5 | -0.82 | - 5.7 | 1.4/25.8 | 25325 |
| 1047 T-1 | 96 07 22.2 | 20 07.77 | -11 33.6 | 15.9 | -1.01 | - 2.6 | 3.6/23.7 | 27569 | 2207 P-L | 96 07 26.8 | 20 25.95 | -24 49.5 | 16.7 | -1.09 | - 1.2 | 2.3/25.9 | 25075 |
| 1992 ST ₁ | 96 07 22.4 | 20 08.36 | -24 07.4 | 14.3 | -0.96 | + 1.9 | 1.8/21.9 | 27567 | 1995 ES | 96 07 26.8 | 20 25.99 | -29 47.0 | 18.7 | -1.17 | - 1.9 | 4.2/25.0 | 25221 |
| 1981 EF ₁₈ | 96 07 22.4 | 20 08.38 | -11 23.5 | 17.2 | -0.98 | - 4.2 | 3.8/24.1 | 23347 | 4031 P-L | 96 07 26.9 | 20 26.24 | -24 35.5 | 17.7 | -1.10 | - 2.1 | 2.1/25.9 | 22274 |
| 1992 EV ₂₁ | 96 07 22.5 | 20 08.79 | -19 37.8 | 15.4 | -0.85 | - 8.4 | 0.3/22.6 | 24913 | 1981 EX ₁₇ | 96 07 26.9 | 20 26.46 | -22 52.2 | 18.6 | -1.07 | - 2.5 | 1.6/26.3 | 26918 |
| 1991 DD | 96 07 22.5 | 20 09.22 | -24 07.2 | 17.1 | -1.02 | - 3.1 | 1.4/21.9 | 27567 | 1987 BO ₁ | 96 07 27.0 | 20 26.83 | +01 35.1 | 16.5 | -1.20 | + 4.9 | 8.2/28.9 | 27566 |
| 1991 NG ₁ | 96 07 22.6 | 20 09.35 | -22 13.5 | 16.0 | -0.93 | + 0.6 | 0.8/22.3 | 27567 | 1992 SW ₁₇ | 96 07 27.2 | 20 27.77 | -08 49.8 | 15.3 | -0.99 | + 2.4 | 4.0/28.7 | 27567 |
| 1995 DU ₁ | 96 07 22.7 | 20 09.68 | -24 12.7 | 17.6 | -1.07 | -11.1 | 1.4/21.7 | 27568 | 1992 RO ₂ | 96 07 27.3 | 20 27.86 | -02 33.5 | 18.4 | -0.81 | - 7.1 | 6.3/31.7 | 25331 |
| 1988 QB | 96 07 22.9 | 20 10.32 | -11 37.3 | 16.1 | -0.91 | - 6.1 | 3.4/24.7 | 27555 | 1991 TD ₁ | 96 07 27.5 | 20 28.55 | +23 58.5 | 16.8 | -0.94 | - 6.0 | 21.1/10.5 | 22600 |
| 1992 WB ₉ | 96 07 22.9 | 20 10.48 | -22 05.7 | 18.0 | -0.85 | - 2.2 | 0.6/22.6 | 22407 | 1989 TU ₁₀ | 96 07 27.5 | 20 28.83 | -10 11.0 | 16.9 | -0.99 | - 4.8 | 3.6/29.4 | 25339 |
| (6351) | 96 07 23.0 | 20 11.03 | -10 24.4 | 16.4 | -0.73 | - 3.6 | 2.9/25.1 | 25193 | 1989 WJ ₁ | 96 07 27.5 | 20 28.84 | -08 25.2 | 16.4 | -0.94 | - 2.9 | 4.4/29.6 | 23133 |
| (6349) | 96 07 23.3 | 20 12.27 | -28 38.9 | 15.4 | -1.08 | + 0.8 | 3.3/22.2 | 25059 | 1981 EG ₂₆ | 96 07 27.6 | 20 29.07 | -30 05.5 | 18.9 | -0.99 | - 1.4 | 3.5/25.6 | 26919 |
| 1992 PX ₂ | 96 07 23.4 | 20 12.47 | -14 46.2 | 15.7 | -1.03 | + 2.2 | 2.2/24.1 | 24119 | 3034 P-L | 96 07 27.6 | 20 29.10 | -04 35.5 | 16.8 | -0.80 | - 1.3 | 5.2/30.4 | 27569 |
| 1981 ER ₁₅ | 96 07 23.5 | 20 12.73 | -14 34.5 | 18.4 | -1.01 | - 1.6 | 2.4/24.4 | 22429 | 1991 FK ₁ | 96 07 27.6 | 20 29.17 | +12 48.3 | 18.3 | -0.91 | - 2.4 | 9.7/03.8 | 25440 |
| 1994 AO ₂ | 96 07 23.5 | 20 13.08 | -22 10.5 | 17.1 | -1.05 | + 0.6 | 0.8/23.3 | 27568 | 1988 XG ₂ | 96 07 27.7 | 20 29.32 | -11 54.4 | 17.9 | -0.87 | - 1.7 | 2.2/29.1 | 24760 |
| 1981 EX ₂₃ | 96 07 23.6 | 20 13.31 | -17 01.3 | 18.1 | -0.88 | - 2.1 | 1.1/24.2 | 21967 | 3212 T-2 | 96 07 27.7 | 20 29.36 | -11 11.0 | 18.4 | -0.91 | - 5.5 | 3.2/29.5 | 25341 |
| 1993 TJ ₁₅ | 96 07 23.6 | 20 13.42 | -34 52.1 | 16.9 | -1.04 | - 1.0 | 8.1/21.1 | 25642 | 1991 RE ₇ | 96 07 27.8 | 20 30.06 | -45 31.4 | 15.6 | -1.11 | + 1.0 | 9.6/23.1 | 25214 |
| 1995 AW ₂ | 96 07 23.6 | 20 13.55 | -11 59.0 | 16.1 | -1.04 | - 1.9 | 3.4/25.0 | 24756 | 1981 EG ₄₅ | 96 07 28.0 | 20 30.85 | -17 08.7 | 19.1 | -1.04 | - 2.0 | 0.8/28.4 | 26923 |
| 1992 PY ₂ | 96 07 23.7 | 20 13.51 | -13 59.3 | 15.6 | -1.02 | + 1.8 | 2.2/24.4 | 27567 | 1989 RQ ₁ | 96 07 28.1 | 20 30.85 | -10 09.0 | 14.9 | -0.71 | - 9.4 | 4.8/30.0 | 27555 |
| 1992 UM ₃ | 96 07 23.7 | 20 13.90 | -07 43.9 | 16.4 | -0.80 | - 1.5 | 3.7/26.0 | 25441 | 1991 PR ₁ | 96 07 28.2 | 20 31.41 | -18 44.7 | 17.5 | -0.88 | - 0.4 | 0.0/28.3 | 23339 |
| 1995 BQ ₁₅ | 96 07 23.7 | 20 13.94 | -26 20.0 | 15.3 | -0.99 | - 2.5 | 3.0/22.6 | 24906 | 1995 BM ₂ | 96 07 28.3 | 20 31.82 | +09 48.7 | 19.9 | -1.01 | - 0.8 | 9.4/03.3 | 25431 |
| 1983 XH ₁ | 96 07 23.9 | 20 14.54 | -10 51.8 | 17.0 | -0.83 | - 3.8 | 2.8/25.8 | 24759 | 1981 EN ₂₆ | 96 07 28.5 | 20 32.66 | -07 53.5 | 17.7 | -0.82 | - 4.4 | 3.6/31.1 | 21967 |
| 1986 QS ₃ | 96 07 24.0 | 20 15.10 | -13 56.7 | 16.7 | -0.78 | - 6.4 | 2.0/25.5 | 23683 | 1994 BM ₄ | 96 07 28.5 | 20 32.66 | -10 57.3 | 18.1 | -0.85 | - 2.0 | 2.4/30.1 | 23243 |
| 1990 VV ₃ | 96 07 24.1 | 20 15.42 | -22 33.1 | 15.4 | -1.06 | - 2.3 | 1.3/23.7 | 25339 | 1988 DD | 96 07 28.5 | 20 32.84 | -16 33.6 | 17.3 | -0.98 | - 8.2 | 0.8/29.2 | 27566 |
| 1991 RV ₁ | 96 07 24.3 | 20 16.00 | +01 54.4 | 16.4 | -0.77 | - 1.2 | 7.1/28.3 | 27567 | 1994 FQ | 96 07 28.7 | 20 33.37 | -06 53.8 | 19.0 | -0.73 | - 5.8 | 3.3/31.8 | 27568 |
| 1981 EP ₃₂ | 96 07 24.5 | 20 16.83 | -35 28.5 | 17.5 | -1.13 | + 5.2 | 8.6/23.1 | 26921 | 1992 OO ₁ | 96 07 28.7 | 20 33.52 | -13 37.1 | 16.2 | -0.86 | - 9.3 | 1.9/30.2 | 22273 |
| 1986 QE ₂ | 96 07 24.6 | 20 17.06 | -20 21.6 | 16.6 | -0.97 | - 6.2 | 0.3/24.5 | 27566 | 1981 EK ₄₀ | 96 07 29.0 | 20 34.39 | -11 45.2 | 17.8 | -0.85 | - 4.0 | 2.7/30.5 | 26922 |
| 1989 CL ₁ | 96 07 24.6 | 20 17.23 | -22 01.6 | 18.0 | -0.81 | - 2.8 | 0.6/24.2 | 22080 | (6329) | 96 07 29.1 | 20 35.07 | -22 05.1 | 16.1 | -1.04 | - 6.7 | 1.4/28.4 | 25054 |
| 1995 DU ₃ | 96 07 24.7 | 20 17.66 | -20 17.6 | 18.7 | -1.03 | - 3.3 | 0.2/24.6 | 25334 | 1985 QL ₄ | 96 07 29.2 | 20 35.14 | -20 27.3 | 15.7 | -0.77 | - 5.2 | 0.6/28.8 | 21970 |
| 1989 GE ₃ | 96 07 24.8 | 20 18.18 | -23 10.1 | 18.7 | -0.83 | - 2.1 | 1.0/24.2 | 23670 | 1108 T-1 | 96 07 29.2 | 20 35.47 | -25 06.9 | 19.0 | -1.12 | - 2.2 | 2.5/28.0 | 25645 |
| 1981 EG ₁₀ | 96 07 24.8 | 20 18.26 | -17 15.6 | 18.5 | -0.91 | - 1.6 | 0.9/25.3 | 26916 | 1995 HA | 96 07 29.3 | 20 35.90 | -04 37.0 | 19.0 | -0.76 | - 3.1 | 4.8/01.6 | 27559 |
| 4017 T-3 | 96 07 24.9 | 20 18.64 | -29 49.2 | 16.7 | -1.12 | - 4.0 | 4.8/23.0 | 23786 | 1995 CO ₁ | 96 07 29.5 | 20 36.55 | -24 03.7 | 17.0 | -1.09 | - 4.3 | 2.3/28.4 | 24908 |
| (6368) | 96 07 25.1 | 20 19.04 | -22 37.0 | 16.7 | -1.16 | - 0.9 | 1.2/24.6 | 25196 | 1993 UU | 96 07 29.6 | 20 36.97 | -32 55.2 | 15.3 | -1.12 | - 6.2 | 6.6/26.0 | 25216 |
| (6391) | 96 07 25.2 | 20 19.61 | -31 09.4 | 17.2 | -0.97 | - 6.3 | 3.8/22.5 | 25519 | 1991 SL ₂ | 96 07 29.6 | 20 37.06 | -31 38.9 | 16.3 | -0.86 | - 4.4 | 4.1/26.5 | 21796 |
| 1993 SE | 96 07 25.3 | 20 19.86 | -22 58.5 | 15.9 | -1.15 | - 0.6 | 1.5/24.8 | 27567 | 1986 RB ₅ | 96 07 29.8 | 20 37.73 | -19 25.5 | 15.6 | -0.85 | - 8.7 | 0.5/29.6 | 27566 |
| 1995 DP ₂ | 96 07 25.3 | 20 20.15 | -26 51.3 | 19.4 | -1.00 | - 2.7 | 2.5/24.0 | 25073 | (6463) | 96 07 29.9 | 20 38.32 | -10 33.2 | 14.6 | -1.03 | + 2.7 | 3.5/31.1 | 25412 |
| 3057 T-1 | 96 07 25.4 | 20 20.24 | -15 25.1 | 17.4 | -0.94 | - 2.8 | 1.7/26.2 | 22827 | 1991 SM ₁ | 96 07 30.0 | 20 38.58 | -14 02.2 | 16.1 | -0.79 | - 2.5 | 1.7/31.0 | 27567 |
| 1056 T-2 | 96 07 25.4 | 20 20.47 | -24 33.1 | 18.5 | -0.94 | - 2.1 | 1.9/24.5 | 23131 | 1981 ED ₈ | 96 07 30.0 | 20 38.62 | -18 25.8 | 18.3 | -1.06 | - 2.0 | 0.0/30.1 | 26916 |
| 1994 BE | 96 07 25.4 | 20 20.63 | -09 58.7 | 17.5 | -0.79 | - 3.8 | 3.2/27.5 | 27568 | 1986 TQ | 96 07 30.0 | 20 38.66 | -37 26.0 | 16.7 | -1.06 | + 0.9 | 6.4/26.7 | 21970 |
| 1991 PT ₈ | 96 07 25.6 | 20 21.03 | -10 23.3 | 18.0 | -0.77 | - 5.2 | 2.8/27.7 | 26901 | 1991 AV ₂ | 96 07 30.1 | 20 38.76 | -19 00.3 | 17.4 | -1.00 | - 3.2 | 0.2/30.0 | 25063 |
| 1969 TQ ₁ | 96 07 25.6 | 20 21.44 | -23 07.8 | 17.3 | -0.83 | - 3.2 | 1.2/24.9 | 25536 | 1993 SX ₆ | 96 07 30.1 | 20 38.82 | -26 17.2 | 17.2 | -1.10 | - 2.7 | 3.2/28.6 | 24898 |
| 1994 CB ₁ | 96 07 25.7 | 20 21.66 | -15 25.2 | 18.2 | -0.95 | - 2.7 | 1.3/26.5 | 25083 | 1993 SF | 96 07 30.3 | 20 39.77 | -19 43.4 | 18.4 | -1.09 | - 2.1 | 0.5/30.1 | 25067 |
| 1995 DA ₁ | 96 07 25.7 | 20 21.83 | -24 18.5 | 17.8 | -0.93 | - 6.4 | 1.8/24.7 | 27568 | 1991 GH ₈ | 96 07 30.4 | 20 40.17 | -39 06.3 | 17.1 | -1.06 | + 0.1 | 9.3/26.4 | 25081 |
| 1993 TG ₃₉ | 96 07 25.9 | 20 22.31 | -19 25.2 | 18.2 | -1.02 | - 5.2 | 0.0/25.9 | 25332 | 1994 AQ ₂ | 96 07 30.5 | 20 40.29 | -19 59.1 | 16.8 | -0.85 | - 4.2 | 0.6/30.1 | 25341 |
| (6345) | 96 07 26.0 | 20 22.75 | -22 38.6 | 15.6 | -0.80 | - 4.8 | 1.1/25.3 | 25058 | 1995 EF ₁ | 96 07 30.7 | 20 41.08 | -23 05.1 | 17.1 | -1.02 | - 3.9 | 1.7/29.7 | 26760 |
| (6421) | 96 07 26.1 | 20 23.38 | -16 05.0 | 15.7 | -0.94 | - 5.9 | 1.3/26.9 | 25519 | (6317) | 96 07 30.8 | 20 41.45 | -24 09.5 | 16.8 | -1.04 | - 6.3 | 2.5/29.4 | 25051 |
| 1985 QA ₁ | 96 07 26.2 | 20 23.42 | -06 31.3 | 16.3 | -0.94 | - 3.7 | 5.0/28.9 | 27566 | 1988 RW ₁₂ | 96 07 31.0 | 20 42.27 | -15 09.6 | 16.7 | -0.86 | - 1.0 | 1.5/31.6 | 21972 |
| 1991 NZ ₆ | 96 07 26.2 | 20 23.63 | -20 01.4 | 16.7 | -0.86 | - 4.3 | 0.2/26.1 | 23790 | 1982 TF ₂ | 96 07 31.2 | 20 42.96 | -17 14.1 | 15.6 | -0.96 | - 2.5 | 0.5/31.4 | 27566 |
| 1989 EJ ₁ | 96 07 26.3 | 20 24.15 | -13 29.7 | 16.3 | -0.99 | - 6.0 | 2.8/27.7 | 23348 | 1981 ET ₄₆ | 96 07 31.4 | 20 43.71 | -19 48.2 | 17.2 | -0.91 | - 2.7 | 0.6/31.0 | 26923 |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| 1988 RE ₁₀ | 96 07 31.4 | 20 43.74 | -14 45.9 | 17.2 | -0.80 | - 5.0 | 1.6/01.2 | 23133 | 1981 EO ₁₅ | 96 08 04.7 | 21 00.39 | -05 52.5 | 16.8 | -0.84 | - 3.6 | 3.9/07.4 | 25438 |
| 1981 DO ₁ | 96 07 31.4 | 20 44.18 | -12 52.6 | 18.5 | -1.06 | - 1.9 | 2.1/01.5 | 26914 | 1981 EY ₁₁ | 96 08 04.8 | 21 00.93 | -20 03.7 | 18.5 | -1.10 | - 1.9 | 1.2/04.2 | 26917 |
| 1991 GR | 96 07 31.5 | 20 44.21 | -44 16.5 | 14.5 | -1.25 | - 1.1 | 10.2/25.6 | 27567 | 1995 CT ₁ | 96 08 04.8 | 21 01.02 | +23 19.2 | 16.6 | -1.06 | + 2.4 | 12.7/15.1 | 27559 |
| (6503) | 96 07 31.6 | 20 44.63 | -17 31.0 | 16.0 | -0.84 | - 4.3 | 0.2/31.8 | 25422 | (6492) | 96 08 04.9 | 21 01.31 | -19 17.9 | 16.6 | -0.83 | - 4.6 | 0.8/04.3 | 25420 |
| 1986 PK ₆ | 96 07 31.7 | 20 45.27 | -11 14.1 | 15.5 | -1.02 | - 2.4 | 3.3/02.2 | 22968 | 1930 UX | 96 08 05.0 | 21 01.56 | -20 27.2 | 16.6 | -1.11 | - 1.8 | 1.6/04.3 | 27565 |
| 1994 CV ₂ | 96 07 31.8 | 20 45.43 | -07 09.5 | 16.8 | -0.75 | - 5.0 | 3.5/03.6 | 27568 | 1981 UQ ₂₉ | 96 08 05.0 | 21 01.80 | -15 01.9 | 16.6 | -0.97 | - 3.9 | 0.7/05.5 | 24239 |
| 1990 HO ₃ | 96 07 31.8 | 20 45.46 | -21 22.6 | 18.0 | -0.81 | - 3.5 | 1.0/31.1 | 25538 | 1989 AD ₃ | 96 08 05.0 | 21 01.85 | -16 58.6 | 16.6 | -0.85 | - 3.2 | 0.0/05.1 | 27566 |
| 1993 TX ₁ | 96 07 31.9 | 20 45.79 | +05 35.2 | 16.1 | -0.86 | - 6.8 | 9.6/07.9 | 27567 | 1981 EL ₉ | 96 08 05.4 | 21 03.31 | -27 43.0 | 19.0 | -0.89 | - 0.2 | 3.1/03.1 | 26916 |
| 1992 GF ₄ | 96 08 01.0 | 20 46.40 | -31 31.7 | 16.6 | -1.13 | - 4.3 | 6.5/28.8 | 23247 | 1990 UF ₂ | 96 08 05.5 | 21 03.84 | -05 12.1 | 17.1 | -0.97 | - 5.4 | 4.6/08.6 | 25080 |
| 1978 WB | 96 08 01.3 | 20 47.64 | -21 43.4 | 17.2 | -1.02 | - 4.3 | 1.6/31.5 | 18620 | 1976 UT ₁ | 96 08 05.6 | 21 03.99 | -09 12.1 | 17.2 | -0.98 | - 4.3 | 3.2/07.4 | 27565 |
| 1986 QN ₁ | 96 08 01.6 | 20 48.61 | -31 32.6 | 17.0 | -1.02 | + 0.2 | 4.8/30.0 | 25079 | 1992 YH ₂ | 96 08 05.6 | 21 04.20 | -28 02.0 | 17.6 | -0.80 | - 5.1 | 3.4/02.6 | 25530 |
| 1984 JN | 96 08 01.6 | 20 48.82 | -19 51.9 | 17.8 | -0.97 | - 4.9 | 0.8/01.2 | 25338 | (6330) | 96 08 05.7 | 21 04.19 | -18 12.0 | 16.6 | -1.04 | - 4.9 | 0.9/06.2 | 25054 |
| (6385) | 96 08 01.7 | 20 48.89 | -26 19.1 | 16.8 | -0.85 | - 2.5 | 2.7/30.8 | 25200 | 1995 GF | 96 08 05.7 | 21 04.34 | -26 43.7 | 16.7 | -0.97 | - 4.7 | 3.5/03.2 | 25442 |
| 1993 BE ₅ | 96 08 01.7 | 20 49.10 | -17 53.8 | 16.6 | -0.71 | - 2.3 | 0.0/01.8 | 23520 | 1981 EO ₃₃ | 96 08 05.7 | 21 04.35 | +02 59.6 | 19.9 | -0.78 | - 5.9 | 6.2/11.5 | 26921 |
| (6319) | 96 08 01.7 | 20 49.21 | -10 54.8 | 16.7 | -0.98 | - 5.0 | 2.9/03.4 | 25193 | 4354 T-3 | 96 08 05.7 | 21 04.35 | -16 51.4 | 16.9 | -0.99 | - 7.0 | 0.1/05.7 | 25341 |
| 1986 QV ₃ | 96 08 01.8 | 20 49.29 | -19 11.9 | 14.7 | -0.88 | - 8.5 | 0.7/01.4 | 25537 | 1978 VK ₈ | 96 08 05.8 | 21 04.69 | -19 23.4 | 17.6 | -0.87 | - 4.3 | 0.9/05.2 | 25338 |
| 1992 UZ ₂ | 96 08 02.0 | 20 50.16 | -21 59.1 | 16.4 | -0.86 | - 3.8 | 1.4/01.0 | 25441 | 3269 T-2 | 96 08 05.8 | 21 04.74 | -08 45.8 | 18.0 | -0.80 | - 6.9 | 3.1/08.1 | 16439 |
| 1988 CQ ₇ | 96 08 02.1 | 20 50.72 | -20 35.1 | 17.4 | -1.04 | - 4.1 | 1.2/01.5 | 23972 | 1986 CP ₁ | 96 08 06.0 | 21 05.53 | -23 08.8 | 17.5 | -0.93 | - 3.6 | 2.2/04.5 | 25225 |
| 1992 GO ₄ | 96 08 02.2 | 20 50.78 | -13 07.4 | 16.8 | -1.01 | - 4.7 | 1.9/03.3 | 25330 | 1989 SQ | 96 08 06.0 | 21 05.55 | -14 59.3 | 16.3 | -1.07 | - 2.3 | 0.7/06.4 | 25439 |
| 1981 RM ₃ | 96 08 02.2 | 20 51.02 | -13 09.2 | 16.8 | -0.82 | - 3.7 | 1.6/03.3 | 27118 | 1995 EH | 96 08 06.1 | 21 06.17 | -27 54.0 | 16.1 | -1.06 | - 2.1 | 4.5/03.7 | 25074 |
| 1981 EM ₂ | 96 08 02.2 | 20 51.08 | -05 07.7 | 19.9 | -0.98 | - 3.4 | 4.7/05.1 | 26914 | 1990 RK ₂ | 96 08 06.3 | 21 06.71 | -13 11.7 | 15.7 | -0.99 | - 5.7 | 1.6/07.2 | 23789 |
| 3189 T-2 | 96 08 02.2 | 20 51.13 | -28 36.5 | 19.7 | -1.06 | - 3.4 | 4.3/30.8 | 22701 | 1989 SG | 96 08 06.4 | 21 06.91 | -24 36.0 | 16.2 | -1.09 | - 2.5 | 3.1/04.6 | 24582 |
| 1992 UE ₃ | 96 08 02.3 | 20 51.11 | -20 57.2 | 16.8 | -0.86 | - 4.1 | 1.1/01.5 | 25538 | 1953 GH | 96 08 06.4 | 21 07.26 | -04 19.5 | 16.9 | -0.74 | - 5.7 | 4.1/10.0 | 27565 |
| (6397) | 96 08 02.5 | 20 51.98 | -25 19.0 | 16.0 | -1.03 | - 4.7 | 3.2/31.7 | 25203 | 1986 WN ₇ | 96 08 06.5 | 21 07.61 | -16 05.3 | 17.0 | -0.83 | - 2.0 | 0.1/06.7 | 27566 |
| 1983 CO ₃ | 96 08 02.6 | 20 52.41 | -07 16.6 | 18.0 | -0.80 | - 0.9 | 2.8/04.8 | 25078 | 1981 EV ₇ | 96 08 06.9 | 21 09.13 | -10 00.2 | 18.4 | -0.86 | - 2.9 | 2.4/08.5 | 22270 |
| 1991 EA | 96 08 02.9 | 20 53.87 | -24 23.1 | 17.0 | -1.04 | - 2.1 | 2.6/01.6 | 25226 | 1994 AX ₂ | 96 08 07.0 | 21 09.44 | -10 09.1 | 16.7 | -0.86 | - 0.9 | 1.9/08.4 | 23128 |
| 1987 BS ₂ | 96 08 03.1 | 20 54.19 | -16 20.8 | 17.5 | -0.97 | - 4.8 | 0.4/03.4 | 23132 | 1981 EZ ₂₀ | 96 08 07.0 | 21 09.59 | -14 27.7 | 18.5 | -0.87 | - 3.9 | 0.7/07.6 | 26919 |
| 1995 DG ₂ | 96 08 03.1 | 20 54.46 | -18 29.9 | 16.9 | -1.00 | - 3.1 | 0.4/02.9 | 27568 | (6294) | 96 08 07.1 | 21 09.57 | -14 35.1 | 16.0 | -1.03 | - 3.1 | 0.8/07.5 | 25046 |
| 1988 BM ₃ | 96 08 03.2 | 20 54.92 | -16 44.7 | 16.8 | -1.04 | - 3.6 | 0.2/03.4 | 24736 | 1988 RB ₁₂ | 96 08 07.3 | 21 10.68 | -23 24.1 | 16.1 | -0.92 | + 0.1 | 3.6/05.9 | 22079 |
| 1978 RV ₇ | 96 08 03.2 | 20 54.96 | -12 29.7 | 18.6 | -0.86 | - 4.5 | 1.8/04.5 | 21251 | 1981 EO ₃₂ | 96 08 07.4 | 21 10.84 | -11 54.2 | 19.4 | -0.87 | - 2.7 | 1.6/08.5 | 22271 |
| 1978 VD ₇ | 96 08 03.4 | 20 55.32 | -21 33.3 | 18.1 | -0.87 | - 4.1 | 1.4/02.4 | 22967 | 1981 SE | 96 08 07.4 | 21 11.04 | -15 00.7 | 16.7 | -0.93 | - 4.7 | 0.5/07.8 | 25225 |
| 1984 SC ₁ | 96 08 03.4 | 20 55.45 | -38 35.4 | 16.1 | -1.21 | + 1.9 | 9.6/30.4 | 25225 | 1990 VL ₄ | 96 08 07.5 | 21 11.29 | -21 01.8 | 17.5 | -1.00 | - 7.3 | 1.9/06.2 | 24739 |
| (6401) | 96 08 03.5 | 20 56.09 | -15 23.8 | 15.5 | -0.83 | - 9.2 | 0.7/04.1 | 25204 | 1987 MA ₁ | 96 08 07.5 | 21 11.48 | -09 00.2 | 14.9 | -0.65 | -13.0 | 3.3/10.2 | 25212 |
| 1978 VF ₃ | 96 08 03.6 | 20 56.24 | -19 54.5 | 18.4 | -1.04 | - 4.4 | 1.0/03.0 | 23245 | 1994 AJ | 96 08 07.6 | 21 11.55 | -19 32.7 | 13.9 | -0.73 | -11.8 | 1.6/06.5 | 25228 |
| 1995 FX ₁₄ | 96 08 03.6 | 20 56.49 | -24 19.6 | 17.0 | -0.87 | - 5.4 | 3.3/01.8 | 25442 | (7081) | 96 08 07.7 | 21 11.85 | -03 21.1 | 15.4 | -0.81 | - 2.7 | 5.6/10.8 | 27546 |
| (6266) | 96 08 03.7 | 20 56.54 | -09 57.6 | 14.3 | -0.80 | - 7.5 | 3.7/05.8 | 24891 | 1992 WL | 96 08 07.7 | 21 11.85 | -32 42.0 | 16.3 | -0.90 | - 3.3 | 5.0/03.4 | 24119 |
| 1981 EH ₄₀ | 96 08 03.7 | 20 56.68 | -22 41.5 | 20.0 | -0.92 | - 2.6 | 2.0/02.5 | 26922 | 1995 FD | 96 08 07.7 | 21 12.26 | -20 50.3 | 18.8 | -0.95 | - 3.3 | 1.6/06.7 | 25433 |
| 2272 T-2 | 96 08 03.7 | 20 56.70 | -27 26.7 | 16.5 | -1.16 | - 2.2 | 4.1/01.7 | 25229 | 1979 QV ₁ | 96 08 07.9 | 21 12.92 | -15 57.6 | 16.6 | -1.10 | - 1.7 | 0.1/08.0 | 25077 |
| 1991 PH ₁₂ | 96 08 03.7 | 20 56.78 | -10 48.9 | 16.6 | -0.84 | - 0.8 | 1.9/05.1 | 24583 | 1981 ES ₃₂ | 96 08 07.9 | 21 12.92 | -13 07.5 | 18.9 | -1.09 | - 0.8 | 1.3/08.6 | 22271 |
| 1981 EJ ₄₃ | 96 08 03.7 | 20 56.81 | -17 18.7 | 19.5 | -1.03 | - 3.3 | 9.3/15.0 | 26922 | 1979 MJ ₅ | 96 08 08.0 | 21 13.38 | -11 43.7 | 17.3 | -0.98 | - 6.1 | 1.7/09.2 | 25438 |
| 1981 EX ₂₈ | 96 08 03.8 | 20 56.99 | -14 14.2 | 16.9 | -1.05 | - 0.6 | 1.4/04.4 | 15242 | 1985 CX ₁ | 96 08 08.1 | 21 13.47 | -11 19.8 | 17.7 | -1.01 | - 4.8 | 2.0/09.3 | 25438 |
| 1979 UH | 96 08 03.8 | 20 57.08 | -17 08.4 | 17.4 | -0.89 | - 6.4 | 7.5/15.0 | 15877 | 1980 VO | 96 08 08.3 | 21 14.33 | -35 46.4 | 16.5 | -1.12 | - 4.4 | 8.9/02.6 | 21966 |
| 1981 EF ₄ | 96 08 04.0 | 20 57.94 | -05 11.3 | 17.6 | -0.98 | - 3.0 | 5.3/06.8 | 26915 | 1994 AK ₁₅ | 96 08 08.3 | 21 14.54 | -15 33.5 | 16.0 | -0.99 | - 1.3 | 0.2/08.5 | 27456 |
| 4257 P-L | 96 08 04.1 | 20 58.32 | -22 11.4 | 18.4 | -1.08 | - 1.0 | 2.3/03.2 | 16035 | 1992 UN ₄ | 96 08 08.5 | 21 15.32 | -30 13.7 | 15.8 | -0.92 | - 5.9 | 5.0/04.4 | 25441 |
| 1979 QX ₃ | 96 08 04.3 | 20 58.84 | -21 29.9 | 14.9 | -0.90 | + 0.7 | 1.6/03.5 | 25225 | 1981 EK ₃₈ | 96 08 08.6 | 21 15.53 | -14 00.7 | 19.9 | -1.02 | - 3.2 | 0.8/09.1 | 26922 |
| 1981 ET ₁₅ | 96 08 04.3 | 20 58.91 | -34 27.4 | 17.4 | -1.13 | + 0.6 | 6.2/31.9 | 22948 | 1981 EM ₁₁ | 96 08 08.7 | 21 15.90 | -13 33.4 | 19.4 | -1.06 | - 2.1 | 0.9/09.3 | 26917 |
| 1994 AT ₂ | 96 08 04.3 | 20 58.98 | -10 02.6 | 17.0 | -0.87 | - 2.6 | 2.7/05.9 | 23242 | 4276 P-L | 96 08 08.9 | 21 16.42 | -23 31.6 | 17.3 | -1.13 | - 0.8 | 3.8/07.4 | 24915 |
| 1995 MG ₁ | 96 08 04.4 | 20 59.51 | -10 09.1 | 16.6 | -0.86 | - 7.0 | 2.7/06.3 | 25535 | 1992 GX ₄ | 96 08 09.1 | 21 17.21 | -23 29.4 | 17.7 | -1.06 | - 4.0 | 3.2/07.3 | 25215 |
| 1995 EO | 96 08 04.4 | 20 59.51 | -11 36.7 | 18.6 | -1.00 | - 4.0 | 2.1/05.7 | 27568 | (6250) | 96 08 09.1 | 21 17.49 | +22 45.4 | 16.4 | -1.08 | - 3.2 | 16.9/21.5 | 24730 |
| 1994 BL ₄ | 96 08 04.5 | 20 59.71 | -22 29.3 | 18.7 | -1.01 | - 1.1 | 1.7/03.4 | 23686 | 1989 AV ₂ | 96 08 09.4 | 21 18.50 | -00 56.4 | 16.9 | -0.54 | - 0.6 | 2.8/13.3 | 27566 |
| 1994 CF ₁₆ | 96 08 04.6 | 21 00.29 | -19 54.7 | 18.2 | -0.76 | - 5.0 | 0.8/03.9 | 24112 | 1988 RJ ₁₃ | 96 08 09.4 | 21 18.60 | -41 10.3 | 17.9 | -1.13 | - 1.8 | 10.0/02.9 | 21972 |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| (6433) | 96 08 09.5 | 21 18.70 | -27 45.3 | 17.3 | -1.02 | - 7.8 | 5.0/05.9 | 25317 | 1979 KM | 96 08 13.9 | 21 35.62 | -12 14.7 | 17.4 | -0.94 | - 9.4 | 0.9/14.6 | 25647 |
| 1993 TZ ₃₁ | 96 08 09.5 | 21 19.00 | -33 32.0 | 17.6 | -1.10 | - 3.4 | 7.9/05.1 | 27557 | (6347) | 96 08 13.9 | 21 35.62 | -16 31.9 | 15.7 | -1.03 | - 4.0 | 0.9/13.4 | 25058 |
| 1990 YM | 96 08 09.7 | 21 19.52 | -35 25.5 | 16.9 | -1.06 | - 8.9 | 6.2/03.5 | 27567 | 1993 KT ₁ | 96 08 13.9 | 21 35.80 | -59 35.3 | 16.4 | -1.48 | - 7.7 | 20.6/25.0 | 25651 |
| 1981 ET ₁₂ | 96 08 09.7 | 21 19.71 | -04 50.3 | 20.8 | -0.95 | - 5.2 | 4.1/12.6 | 26917 | 1991 AH ₁ | 96 08 14.0 | 21 36.00 | -12 41.3 | 17.9 | -0.96 | - 4.5 | 0.6/14.5 | 25213 |
| 1957 JP | 96 08 09.7 | 21 19.74 | -40 34.8 | 15.3 | -1.05 | - 3.3 | 10.0/02.9 | 25646 | 1995 FH | 96 08 14.1 | 21 36.17 | +09 30.2 | 17.2 | -0.88 | - 2.1 | 8.6/20.8 | 25229 |
| 4825 T-1 | 96 08 09.9 | 21 20.25 | -17 14.5 | 16.5 | -0.98 | - 6.6 | 0.8/09.5 | 24115 | 1994 CP ₁₀ | 96 08 14.3 | 21 37.20 | -19 03.7 | 16.6 | -0.83 | - 2.2 | 1.7/13.1 | 27121 |
| 1981 EV ₃₁ | 96 08 09.9 | 21 20.52 | -10 20.4 | 18.8 | -0.94 | - 6.9 | 2.3/11.4 | 26921 | 1989 AL ₇ | 96 08 14.6 | 21 37.92 | -13 31.3 | 16.3 | -0.80 | - 5.0 | 0.2/14.8 | 25648 |
| (6412) | 96 08 09.9 | 21 20.57 | -25 47.0 | 16.6 | -1.08 | - 2.6 | 4.1/07.6 | 25206 | 1977 XZ ₂ | 96 08 14.6 | 21 37.93 | -14 56.6 | 15.9 | -0.82 | - 3.6 | 0.3/14.4 | 21783 |
| 1981 ES ₄₇ | 96 08 10.0 | 21 20.68 | -20 28.3 | 18.0 | -0.99 | - 4.8 | 2.3/08.7 | 22697 | 1981 EJ ₂₃ | 96 08 14.7 | 21 38.66 | -17 01.1 | 17.7 | -0.90 | - 3.1 | 1.0/14.0 | 22430 |
| 1988 RT ₁₁ | 96 08 10.0 | 21 20.97 | -17 31.9 | 19.1 | -0.94 | - 4.0 | 0.8/09.6 | 18114 | 1978 SP ₅ | 96 08 14.8 | 21 38.79 | -09 22.7 | 16.5 | -0.81 | - 5.3 | 1.7/16.2 | 22696 |
| 1985 RV ₄ | 96 08 10.1 | 21 21.17 | -15 53.8 | 16.2 | -0.77 | - 3.5 | 0.2/10.0 | 27119 | (6165) | 96 08 14.9 | 21 39.10 | -15 07.3 | 16.1 | -1.05 | - 1.1 | 0.5/14.7 | 24374 |
| 1981 EN ₁₇ | 96 08 10.1 | 21 21.17 | -06 15.1 | 15.9 | -0.90 | - 4.9 | 4.4/12.6 | 27565 | 1992 FM ₁ | 96 08 14.9 | 21 39.29 | -35 14.7 | 17.3 | -1.57 | + 4.8 | 8.6/11.8 | 22700 |
| 1992 WN ₁ | 96 08 10.2 | 21 21.69 | -16 17.8 | 17.5 | -0.80 | - 5.3 | 0.3/10.0 | 21594 | (7093) | 96 08 15.1 | 21 40.16 | -06 18.9 | 15.1 | -0.64 | -14.6 | 3.5/18.1 | 27550 |
| 1981 DJ ₁ | 96 08 10.3 | 21 21.88 | -08 05.3 | 19.0 | -1.01 | - 2.9 | 2.9/12.1 | 26914 | 1986 WO ₇ | 96 08 15.2 | 21 40.48 | -13 35.8 | 18.1 | -0.78 | - 2.9 | 0.1/15.4 | 23683 |
| 1982 HJ | 96 08 10.3 | 21 22.01 | -31 30.0 | 15.5 | -1.04 | - 4.0 | 7.8/06.2 | 22949 | 1981 EU ₁₅ | 96 08 15.7 | 21 42.05 | -05 34.6 | 18.7 | -0.97 | - 4.9 | 3.1/17.9 | 21967 |
| 1993 VJ ₄ | 96 08 10.3 | 21 22.12 | -20 42.0 | 15.7 | -0.93 | - 2.8 | 2.8/09.1 | 25340 | 1978 VE ₁₅ | 96 08 15.7 | 21 42.10 | -19 40.9 | 16.2 | -0.97 | - 5.7 | 2.6/14.0 | 23347 |
| 1993 RB | 96 08 10.4 | 21 22.11 | -20 49.8 | 18.2 | -1.16 | - 1.1 | 2.3/09.3 | 27567 | (6360) | 96 08 15.7 | 21 42.13 | -26 02.1 | 16.1 | -1.07 | - 2.6 | 4.9/12.7 | 25194 |
| 1981 ES ₁₇ | 96 08 10.4 | 21 22.53 | -12 13.2 | 17.5 | -0.86 | - 3.5 | 1.2/11.3 | 26918 | 4619 P-L | 96 08 15.9 | 21 42.77 | -16 01.7 | 18.2 | -1.05 | - 4.6 | 0.9/15.3 | 22966 |
| 1992 EA | 96 08 10.6 | 21 23.26 | -16 03.8 | 16.0 | -1.04 | - 4.2 | 0.3/10.5 | 25330 | 1994 BJ | 96 08 15.9 | 21 43.08 | -18 40.2 | 14.9 | -0.77 | -12.3 | 2.0/14.2 | 27558 |
| 1979 KD | 96 08 10.7 | 21 23.41 | -12 29.1 | 16.3 | -0.83 | - 8.1 | 1.1/11.6 | 25225 | 1975 XP ₃ | 96 08 16.2 | 21 44.34 | -17 15.3 | 16.8 | -1.02 | - 4.0 | 1.5/15.3 | 23682 |
| 1981 EL ₃₈ | 96 08 10.7 | 21 23.61 | -00 35.9 | 19.9 | -0.79 | - 5.7 | 4.6/15.0 | 26922 | 1991 CN ₁ | 96 08 16.6 | 21 45.59 | -10 45.2 | 17.4 | -0.92 | - 5.4 | 1.0/17.4 | 25339 |
| 1985 RS ₁ | 96 08 10.7 | 21 23.62 | -20 55.9 | 15.5 | -0.88 | - 3.1 | 2.9/09.3 | 22076 | 1993 XP | 96 08 16.7 | 21 45.84 | +04 15.0 | 17.2 | -0.92 | - 2.1 | 6.1/21.3 | 22963 |
| 1985 JN ₁ | 96 08 10.8 | 21 23.63 | -26 01.0 | 16.4 | -0.99 | - 6.1 | 4.8/07.9 | 23788 | 1985 PN | 96 08 17.0 | 21 47.18 | -09 58.6 | 16.2 | -0.70 | - 8.7 | 1.0/18.2 | 25637 |
| 1989 TT ₁ | 96 08 11.5 | 21 26.57 | -06 00.1 | 16.6 | -0.93 | - 4.5 | 3.5/13.9 | 27566 | 1981 ED ₄₃ | 96 08 17.0 | 21 47.20 | -24 28.2 | 16.0 | -0.93 | - 0.4 | 4.9/14.4 | 21968 |
| 1981 SE ₂ | 96 08 11.5 | 21 26.69 | -18 44.7 | 16.2 | -0.86 | - 6.4 | 1.8/10.5 | 27566 | 3145 T-2 | 96 08 17.1 | 21 47.31 | -15 35.9 | 17.3 | -0.82 | - 5.8 | 0.7/16.4 | 25229 |
| 2716 P-L | 96 08 11.6 | 21 26.66 | -12 57.2 | 17.5 | -0.78 | - 6.2 | 1.1/12.2 | 24585 | 1983 RX ₄ | 96 08 17.2 | 21 47.67 | -01 21.1 | 15.8 | -0.89 | - 2.0 | 6.3/20.3 | 25423 |
| 1985 RW | 96 08 11.6 | 21 27.06 | +21 55.1 | 18.4 | -1.12 | - 0.9 | 16.2/21.9 | 22492 | 1994 BH | 96 08 17.4 | 21 48.82 | -17 31.7 | 17.7 | -0.86 | - 6.2 | 1.3/16.2 | 25442 |
| (6379) | 96 08 11.7 | 21 27.12 | -36 18.5 | 16.1 | -0.97 | - 2.0 | 6.7/06.2 | 25199 | 9535 P-L | 96 08 17.5 | 21 48.98 | -09 00.5 | 17.8 | -0.79 | - 6.7 | 1.5/18.9 | 23248 |
| 4721 P-L | 96 08 12.0 | 21 28.15 | -18 03.1 | 18.2 | -0.88 | - 3.6 | 1.1/11.2 | 23130 | 1993 VU ₅ | 96 08 17.6 | 21 49.44 | -21 04.6 | 15.9 | -1.06 | - 2.7 | 3.3/15.7 | 25069 |
| 1994 AY ₁ | 96 08 12.0 | 21 28.19 | -14 08.8 | 16.6 | -0.88 | - 4.7 | 0.3/12.2 | 23343 | 1993 UY | 96 08 17.7 | 21 49.56 | +09 17.7 | 14.9 | -0.88 | - 5.8 | 9.2/25.2 | 27567 |
| 1981 ET ₃₀ | 96 08 12.0 | 21 28.48 | -08 34.8 | 18.9 | -0.92 | - 7.1 | 2.5/14.0 | 26920 | 1986 SD ₂ | 96 08 17.7 | 21 49.71 | -05 01.7 | 15.4 | -0.89 | - 0.6 | 2.7/19.7 | 27566 |
| 1988 VD ₅ | 96 08 12.2 | 21 28.88 | +01 45.1 | 16.8 | -0.80 | - 5.6 | 5.3/17.1 | 27566 | 7607 P-L | 96 08 17.9 | 21 50.47 | -17 23.8 | 18.5 | -0.99 | - 6.2 | 1.7/16.7 | 22274 |
| 5065 T-2 | 96 08 12.3 | 21 29.35 | +01 30.1 | 19.2 | -0.91 | - 3.4 | 5.9/16.6 | 22701 | (7042) | 96 08 17.9 | 21 50.59 | -09 24.8 | 17.0 | -1.02 | - 5.1 | 1.5/19.0 | 27434 |
| (6473) | 96 08 12.3 | 21 29.40 | -04 19.3 | 17.1 | -0.82 | - 5.1 | 3.4/15.3 | 25414 | (6408) | 96 08 18.1 | 21 51.40 | -10 43.5 | 15.3 | -0.80 | - 4.5 | 0.8/18.9 | 25205 |
| 1988 ER ₁ | 96 08 12.3 | 21 29.55 | -27 52.8 | 16.1 | -1.07 | - 2.4 | 5.7/09.2 | 24912 | 1990 VG ₃ | 96 08 18.2 | 21 51.40 | -17 28.1 | 16.1 | -0.93 | - 8.4 | 2.1/16.8 | 25226 |
| 1981 RF | 96 08 12.4 | 21 29.79 | -17 26.4 | 15.8 | -0.85 | - 6.6 | 1.2/11.7 | 25338 | 2055 P-L | 96 08 18.2 | 21 51.44 | -18 45.2 | 18.2 | -1.11 | - 0.9 | 2.4/16.9 | 22274 |
| 1977 FS | 96 08 12.4 | 21 29.81 | -13 35.6 | 15.7 | -0.94 | + 1.3 | 0.4/12.7 | 23667 | 1981 DY | 96 08 18.3 | 21 51.86 | -05 45.7 | 17.4 | -0.88 | - 2.8 | 2.6/20.3 | 26914 |
| 1995 FE | 96 08 12.4 | 21 29.90 | -47 12.8 | 18.0 | -1.48 | + 1.0 | 10.6/05.2 | 25539 | 1991 RX ₂₃ | 96 08 18.3 | 21 51.90 | -21 03.4 | 17.1 | -0.89 | - 1.7 | 2.6/16.2 | 23790 |
| 1992 HL ₄ | 96 08 12.6 | 21 30.49 | -29 16.0 | 16.7 | -1.15 | - 1.9 | 6.3/09.3 | 25427 | 1986 WV ₁ | 96 08 18.3 | 21 52.10 | -12 27.6 | 17.0 | -0.74 | - 4.3 | 0.1/18.5 | 23858 |
| 1992 XL | 96 08 12.9 | 21 31.82 | -30 26.6 | 15.8 | -0.84 | - 6.0 | 5.5/08.0 | 25340 | 2315 T-2 | 96 08 18.5 | 21 52.55 | -11 46.9 | 19.4 | -0.84 | - 5.2 | 0.4/18.8 | 16883 |
| 1992 FG | 96 08 13.0 | 21 32.01 | -25 19.9 | 15.6 | -1.10 | - 1.6 | 5.1/10.6 | 25340 | 1993 TE ₅ | 96 08 18.5 | 21 52.69 | -07 18.5 | 14.7 | -0.82 | - 1.5 | 3.2/20.0 | 22971 |
| 1981 ER ₃₀ | 96 08 13.1 | 21 32.30 | -11 16.3 | 19.0 | -0.86 | - 4.4 | 1.2/14.0 | 26920 | 1992 RV ₁ | 96 08 18.8 | 21 53.70 | -11 45.9 | 18.3 | -0.92 | - 3.7 | 7.8/30.0 | 24583 |
| 1995 CY ₁ | 96 08 13.2 | 21 32.96 | +12 11.0 | 19.8 | -1.08 | + 0.1 | 8.9/19.7 | 25432 | 1992 RK ₇ | 96 08 19.0 | 21 54.33 | -17 05.6 | 17.4 | -0.86 | - 5.9 | 1.6/17.7 | 21586 |
| 1983 WG | 96 08 13.2 | 21 33.08 | -29 30.9 | 17.8 | -0.89 | - 5.0 | 4.3/08.9 | 8540 | (6358) | 96 08 19.1 | 21 55.04 | -32 06.1 | 15.2 | -0.87 | - 6.2 | 8.2/12.7 | 25194 |
| 3507 T-3 | 96 08 13.3 | 21 33.30 | +01 04.0 | 14.8 | -0.48 | - 9.8 | 9.1/19.7 | 27569 | 1981 EO ₂₀ | 96 08 19.2 | 21 55.39 | -10 17.8 | 16.4 | -0.83 | - 7.0 | 1.1/20.0 | 25078 |
| 1982 VY ₂ | 96 08 13.4 | 21 33.76 | -15 54.6 | 17.1 | -0.80 | - 4.7 | 0.4/13.1 | 25647 | 1981 EA ₂₂ | 96 08 19.4 | 21 55.86 | -04 20.2 | 17.6 | -0.75 | - 8.8 | 2.9/22.2 | 22598 |
| 1994 GA | 96 08 13.5 | 21 33.87 | +28 41.2 | 18.0 | -0.87 | - 1.9 | 13.7/27.8 | 24112 | 1991 VA ₁ | 96 08 19.4 | 21 55.98 | +04 05.0 | 15.8 | -0.73 | - 3.3 | 5.5/24.5 | 20642 |
| 1981 EQ ₈ | 96 08 13.5 | 21 33.97 | -08 25.4 | 18.0 | -0.89 | - 4.2 | 2.2/15.1 | 26916 | 1992 RM ₂ | 96 08 19.6 | 21 56.74 | -19 52.7 | 16.2 | -1.16 | + 3.8 | 3.4/18.3 | 22432 |
| 1994 GY ₉ | 96 08 13.7 | 21 34.58 | -05 37.2 | 18.2 | -0.82 | - 6.9 | 2.9/16.3 | 25070 | 1981 ES ₁₈ | 96 08 19.6 | 21 56.76 | -09 22.5 | 19.8 | -0.97 | - 5.8 | 1.2/20.6 | 26918 |
| (6449) | 96 08 13.7 | 21 34.60 | -11 56.9 | 16.5 | -1.00 | - 4.0 | 1.0/14.3 | 25321 | 1988 SC | 96 08 19.6 | 21 56.89 | -25 57.7 | 16.8 | -1.10 | - 1.1 | 4.9/16.3 | 23348 |
| 1991 RP ₁₅ | 96 08 13.7 | 21 34.88 | -16 39.8 | 16.7 | -0.80 | - 3.9 | 0.7/13.2 | 23685 | 1984 ET | 96 08 19.6 | 21 56.99 | -15 06.6 | 16.2 | -0.93 | - 6.8 | 1.0/18.9 | 25078 |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| (6565) | 96 08 19.6 | 21 57.01 | -11 44.9 | 16.0 | -0.99 | - 6.7 | 0.3/19.9 | 25633 | 1979 MK ₃ | 96 08 23.9 | 22 12.55 | -13 45.5 | 17.6 | -0.73 | - 5.4 | 0.7/23.1 | 25536 |
| 1981 EG ₂₁ | 96 08 19.7 | 21 56.92 | -10 24.5 | 17.5 | -0.68 | - 5.2 | 0.6/20.4 | 17818 | 1981 EC ₂₇ | 96 08 23.9 | 22 12.61 | -12 01.9 | 17.1 | -0.83 | - 5.3 | 0.4/23.7 | 22074 |
| (6234) | 96 08 19.7 | 21 57.35 | -15 43.9 | 15.2 | -1.04 | - 2.1 | 1.6/19.0 | 24727 | 1991 RQ ₇ | 96 08 23.9 | 22 12.81 | -02 12.7 | 15.1 | -0.88 | + 1.1 | 3.9/26.2 | 25081 |
| 7075 P-L | 96 08 19.9 | 21 57.68 | +01 20.4 | 16.8 | -0.70 | - 6.3 | 5.2/24.5 | 20516 | 6214 P-L | 96 08 23.9 | 22 12.82 | -03 41.2 | 18.1 | -0.92 | - 5.7 | 2.8/26.2 | 25442 |
| 1981 EH ₃₈ | 96 08 19.9 | 21 57.72 | -04 41.6 | 18.1 | -0.88 | - 6.5 | 3.5/22.3 | 26922 | 1981 ES ₂₁ | 96 08 24.0 | 22 12.98 | -20 28.7 | 17.9 | -1.01 | - 1.5 | 3.1/21.6 | 22949 |
| 1981 DR ₂ | 96 08 20.0 | 21 58.04 | -08 16.5 | 17.3 | -0.95 | - 1.6 | 1.4/21.0 | 26914 | 1981 EF ₂₀ | 96 08 24.3 | 22 14.19 | -07 30.8 | 19.1 | -0.78 | - 6.7 | 1.1/25.5 | 26918 |
| 1991 PE ₅ | 96 08 20.0 | 21 58.08 | -10 25.8 | 16.5 | -0.81 | - 4.3 | 0.6/20.6 | 25440 | 1994 CL ₂ | 96 08 24.3 | 22 14.21 | -14 47.1 | 17.6 | -0.86 | - 6.1 | 1.3/23.2 | 23539 |
| 6581 P-L | 96 08 20.0 | 21 58.08 | -15 05.3 | 17.0 | -0.51 | - 2.2 | 0.5/19.2 | 23135 | 1981 EN ₃₁ | 96 08 24.5 | 22 14.68 | -09 35.4 | 17.8 | -0.84 | - 8.0 | 0.6/24.9 | 26921 |
| 1995 JJ | 96 08 20.1 | 21 58.64 | -15 41.2 | 18.3 | -0.76 | - 5.4 | 1.0/19.1 | 25539 | 1991 RL ₅ | 96 08 24.6 | 22 15.34 | -24 05.3 | 16.5 | -0.91 | - 2.4 | 4.4/20.8 | 25538 |
| 1979 TY ₁ | 96 08 20.1 | 21 58.80 | -27 17.7 | 16.9 | -1.12 | - 3.6 | 6.1/16.0 | 25536 | 1981 EW ₃₈ | 96 08 24.7 | 22 15.71 | -05 23.5 | 19.0 | -0.84 | - 3.9 | 1.8/26.4 | 22697 |
| 1989 VN ₅ | 96 08 20.1 | 21 58.84 | -11 25.8 | 17.3 | -0.98 | - 4.5 | 0.3/20.4 | 23133 | 2061 P-L | 96 08 24.8 | 22 16.13 | -08 53.3 | 17.2 | -1.02 | - 3.4 | 0.7/25.4 | 25075 |
| 4556 P-L | 96 08 20.2 | 21 58.95 | -17 33.1 | 17.2 | -0.82 | - 4.0 | 1.8/18.7 | 19875 | 1995 DB ₃ | 96 08 25.1 | 22 17.21 | +23 40.4 | 18.9 | -1.02 | - 6.5 | 14.3/06.5 | 25433 |
| 1989 SE ₈ | 96 08 20.2 | 21 59.18 | -13 33.1 | 16.5 | -1.01 | - 2.8 | 0.5/20.0 | 25638 | 1994 AZ ₂ | 96 08 25.2 | 22 17.19 | +01 36.1 | 17.6 | -0.86 | - 2.8 | 3.6/28.7 | 23686 |
| 1992 SN | 96 08 20.4 | 21 59.82 | -08 35.1 | 15.7 | -0.93 | - 2.0 | 1.5/21.4 | 25082 | 1989 SV ₃ | 96 08 25.3 | 22 17.96 | -09 32.5 | 18.3 | -0.91 | - 7.8 | 0.4/25.7 | 23123 |
| 1988 SF ₃ | 96 08 20.7 | 22 00.67 | -38 36.0 | 17.6 | -1.06 | - 3.8 | 8.8/12.4 | 25439 | 1990 FM ₁ | 96 08 25.4 | 22 18.32 | -16 48.2 | 17.0 | -0.79 | - 6.1 | 1.8/23.5 | 25440 |
| 1979 SP ₁₄ | 96 08 20.8 | 22 01.40 | -14 45.7 | 16.5 | -0.74 | - 4.7 | 0.8/20.1 | 27118 | 1981 EK ₂ | 96 08 25.5 | 22 18.46 | +03 11.1 | 17.8 | -0.83 | - 3.7 | 5.2/29.7 | 26914 |
| (6373) | 96 08 20.9 | 22 01.56 | -22 01.2 | 16.4 | -1.02 | - 1.1 | 3.4/18.5 | 25197 | 6073 P-L | 96 08 25.6 | 22 19.04 | -11 42.5 | 17.3 | -0.88 | - 3.3 | 0.4/25.3 | 23135 |
| (6432) | 96 08 21.0 | 22 02.10 | -13 54.0 | 15.9 | -0.74 | - 5.6 | 0.6/20.5 | 25317 | 1966 BL | 96 08 25.7 | 22 19.05 | -04 23.5 | 17.0 | -0.84 | - 3.3 | 1.8/27.5 | 23682 |
| (6413) | 96 08 21.1 | 22 02.21 | -20 21.7 | 15.8 | -1.06 | - 4.4 | 3.5/18.8 | 25206 | 1979 MM ₆ | 96 08 25.7 | 22 19.23 | -03 58.4 | 18.6 | -0.73 | - 4.5 | 1.9/27.8 | 26394 |
| 4014 P-L | 96 08 21.2 | 22 02.76 | -15 25.1 | 16.6 | -1.12 | - 2.2 | 1.5/20.4 | 22821 | 6840 P-L | 96 08 25.7 | 22 19.26 | -14 20.9 | 18.2 | -0.85 | - 5.9 | 1.6/24.5 | 23986 |
| 1981 EL ₂₇ | 96 08 21.4 | 22 03.53 | -08 35.3 | 19.0 | -0.83 | - 5.4 | 1.2/22.5 | 26920 | 1981 EY ₁₄ | 96 08 25.7 | 22 19.46 | -05 00.0 | 18.2 | -0.98 | - 4.7 | 2.0/27.4 | 22823 |
| 1985 SR | 96 08 21.7 | 22 04.32 | -17 46.7 | 15.8 | -0.92 | - 3.7 | 2.8/20.0 | 22077 | 1995 DF | 96 08 25.8 | 22 19.65 | -15 00.9 | 18.3 | -0.98 | - 6.9 | 1.7/24.4 | 25071 |
| 1990 YC | 96 08 21.8 | 22 04.92 | -16 50.6 | 16.3 | -1.02 | - 6.3 | 2.2/20.4 | 25440 | 6055 P-L | 96 08 25.9 | 22 20.19 | -09 58.3 | 17.6 | -0.97 | - 4.2 | 0.2/26.1 | 23350 |
| 1991 SR ₃ | 96 08 21.8 | 22 05.10 | -40 06.8 | 17.6 | -1.04 | - 0.5 | 7.9/13.6 | 25639 | 1985 UQ ₄ | 96 08 26.0 | 22 20.28 | -12 23.8 | 15.9 | -0.72 | - 4.9 | 0.6/25.4 | 22077 |
| 1986 AW ₂ | 96 08 21.9 | 22 05.48 | -17 32.2 | 17.3 | -0.82 | - 8.6 | 1.7/20.1 | 25537 | 1989 EN ₂ | 96 08 26.0 | 22 20.28 | -10 58.2 | 15.5 | -1.01 | - 4.4 | 0.3/25.9 | 27566 |
| 1981 EJ ₁₆ | 96 08 22.0 | 22 05.46 | -15 08.7 | 18.3 | -1.06 | - 1.5 | 1.5/21.2 | 26918 | (6354) | 96 08 26.2 | 22 20.89 | -46 38.6 | 16.6 | -1.10 | - 3.5 | 10.0/13.5 | 25193 |
| 1987 YU ₁ | 96 08 22.0 | 22 05.50 | +15 01.2 | 17.4 | -0.50 | + 2.8 | 5.0/31.4 | 16428 | 1979 MK ₅ | 96 08 26.2 | 22 21.06 | -06 11.0 | 18.2 | -0.85 | - 5.3 | 1.4/27.5 | 25423 |
| 1936 NB | 96 08 22.1 | 22 06.16 | +07 59.0 | 15.4 | -0.99 | + 2.1 | 7.6/27.0 | 27565 | 1981 EX ₁₂ | 96 08 26.2 | 22 21.06 | +05 05.8 | 18.7 | -0.76 | - 7.2 | 5.3/31.6 | 26917 |
| 4025 P-L | 96 08 22.2 | 22 06.23 | -01 11.2 | 17.6 | -0.91 | - 7.9 | 4.4/25.5 | 25341 | 1995 DC | 96 08 26.3 | 22 21.66 | -15 56.6 | 19.0 | -0.95 | - 3.7 | 1.9/24.8 | 25084 |
| 4008 T-3 | 96 08 22.4 | 22 07.06 | -18 37.3 | 16.8 | -1.02 | - 6.7 | 2.7/20.4 | 17221 | 1993 YN ₂ | 96 08 26.4 | 22 21.68 | -05 15.9 | 18.7 | -0.95 | - 5.1 | 1.8/27.9 | 23342 |
| (6501) | 96 08 22.4 | 22 07.13 | -11 41.7 | 16.6 | -0.85 | - 9.3 | 0.0/22.4 | 25422 | 1995 GJ ₇ | 96 08 26.4 | 22 21.75 | -21 12.1 | 16.8 | -0.97 | - 2.4 | 3.8/23.4 | 25434 |
| 1988 XH ₁ | 96 08 22.4 | 22 07.28 | -36 40.7 | 14.8 | -0.86 | - 5.7 | 10.5/13.5 | 25439 | 1981 EC ₂ | 96 08 26.4 | 22 21.77 | -05 50.1 | 16.0 | -0.93 | - 2.0 | 1.4/27.6 | 24580 |
| 1995 BH ₂ | 96 08 22.6 | 22 07.90 | -13 51.0 | 17.7 | -0.97 | - 5.9 | 0.8/22.0 | 25084 | 1995 JD | 96 08 26.5 | 22 22.24 | -04 16.1 | 19.4 | -0.81 | - 5.3 | 1.7/28.4 | 25533 |
| 1981 EF ₉ | 96 08 22.6 | 22 07.92 | -06 18.3 | 18.1 | -0.99 | - 4.3 | 2.0/24.1 | 26916 | 1981 ES ₂ | 96 08 26.5 | 22 22.26 | +01 18.4 | 19.1 | -0.99 | - 3.7 | 4.5/29.8 | 26915 |
| 1983 RE | 96 08 22.7 | 22 08.22 | -03 35.6 | 15.4 | -1.04 | - 2.8 | 3.8/24.8 | 25647 | 1981 EL ₃ | 96 08 26.6 | 22 22.76 | +00 19.3 | 19.4 | -0.86 | - 3.2 | 3.5/29.8 | 26915 |
| 4216 T-2 | 96 08 22.8 | 22 08.52 | -07 00.2 | 17.2 | -0.60 | - 5.7 | 1.2/24.3 | 21978 | 1991 PQ ₁ | 96 08 26.8 | 22 23.22 | -10 28.3 | 16.2 | -0.78 | - 5.6 | 0.1/26.7 | 25649 |
| 1981 EM ₄₅ | 96 08 22.8 | 22 08.52 | -11 57.8 | 18.3 | -0.98 | 0.0 | 0.2/22.7 | 23245 | 4320 T-1 | 96 08 26.8 | 22 23.50 | -15 54.3 | 18.1 | -1.01 | - 5.0 | 2.2/25.2 | 25341 |
| (6386) | 96 08 22.8 | 22 08.68 | -21 38.9 | 13.8 | -0.77 | -13.5 | 5.1/18.8 | 25201 | 1990 BH ₁ | 96 08 27.0 | 22 24.06 | -18 55.1 | 17.4 | -0.87 | - 4.9 | 2.8/24.3 | 23349 |
| 1981 EG ₁₃ | 96 08 22.8 | 22 08.73 | -07 37.7 | 18.4 | -1.03 | - 2.8 | 1.5/23.9 | 26917 | 1981 EZ ₄₀ | 96 08 27.1 | 22 24.27 | -13 20.2 | 17.0 | -1.02 | - 1.2 | 1.7/26.3 | 26922 |
| 1994 BT | 96 08 22.8 | 22 08.74 | -20 29.1 | 17.8 | -0.92 | - 2.6 | 2.8/20.4 | 23243 | 1984 SN ₆ | 96 08 27.2 | 22 24.65 | -15 33.5 | 16.5 | -0.90 | - 4.9 | 1.9/25.5 | 25211 |
| 1981 EK ₂₁ | 96 08 22.8 | 22 08.77 | -15 17.2 | 18.0 | -0.93 | - 2.1 | 1.4/21.9 | 26919 | 4232 T-1 | 96 08 27.2 | 22 24.71 | -18 24.5 | 18.5 | -0.87 | - 3.3 | 2.5/24.8 | 25085 |
| 1981 EU ₃₇ | 96 08 22.9 | 22 08.81 | -04 25.1 | 20.2 | -0.85 | - 4.1 | 2.4/25.0 | 22430 | 1979 MR ₆ | 96 08 27.3 | 22 24.97 | -08 28.2 | 18.3 | -0.94 | - 7.9 | 0.6/27.8 | 24910 |
| 1317 T-2 | 96 08 23.0 | 22 09.49 | -20 47.7 | 18.6 | -1.01 | - 2.0 | 4.0/20.6 | 22432 | (6380) | 96 08 27.3 | 22 25.01 | -08 12.0 | 17.7 | -0.93 | - 7.6 | 0.6/27.9 | 25199 |
| 1983 RZ ₁ | 96 08 23.1 | 22 09.63 | -18 14.6 | 15.6 | -0.95 | - 1.6 | 3.7/21.3 | 27454 | 1995 DJ ₁ | 96 08 27.4 | 22 25.53 | -08 23.6 | 15.8 | -0.93 | - 4.5 | 0.6/27.9 | 25072 |
| 1990 BZ | 96 08 23.1 | 22 09.82 | -01 35.2 | 16.7 | -1.05 | + 0.5 | 3.8/25.4 | 26189 | 1990 OJ ₄ | 96 08 27.5 | 22 25.76 | +16 39.5 | 15.6 | -0.81 | - 1.3 | 8.1/04.9 | 27566 |
| 1990 EN ₁ | 96 08 23.2 | 22 09.97 | +00 28.7 | 17.6 | -0.80 | - 5.0 | 3.8/26.9 | 25213 | 1981 EV ₄₁ | 96 08 27.5 | 22 25.77 | -09 15.9 | 18.5 | -0.86 | - 4.0 | 0.2/27.7 | 22430 |
| 1994 EF | 96 08 23.3 | 22 10.43 | -00 54.8 | 18.0 | -0.94 | - 1.8 | 3.5/26.1 | 25442 | 1993 TN ₁ | 96 08 27.5 | 22 26.02 | -14 25.6 | 15.3 | -0.77 | - 7.5 | 2.5/26.0 | 25082 |
| (6424) | 96 08 23.4 | 22 10.81 | -13 09.1 | 15.4 | -0.72 | - 7.8 | 0.6/22.8 | 25209 | 1978 RM ₇ | 96 08 27.7 | 22 26.37 | -06 56.5 | 17.2 | -0.95 | - 5.8 | 1.2/29.0 | 25060 |
| 1979 QT ₈ | 96 08 23.5 | 22 11.32 | -11 59.7 | 15.8 | -0.94 | - 2.8 | 0.4/23.4 | 24758 | 1993 TQ ₂₃ | 96 08 27.7 | 22 26.69 | -12 24.0 | 17.3 | -0.98 | - 6.2 | 1.0/27.0 | 25228 |
| 1985 TR | 96 08 23.6 | 22 11.40 | -15 52.9 | 16.8 | -0.98 | - 4.2 | 1.8/22.3 | 25078 | 1989 UE | 96 08 27.9 | 22 27.46 | -16 37.5 | 15.8 | -0.93 | - 5.7 | 3.2/25.8 | 23684 |
| 1981 EY ₂₈ | 96 08 23.7 | 22 11.69 | -13 32.0 | 16.4 | -1.11 | + 2.9 | 1.0/23.2 | 26920 | 2177 P-L | 96 08 28.1 | 22 28.10 | -07 33.4 | 19.6 | -0.80 | - 4.6 | 0.6/28.8 | 23680 |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| 1993 TU ₂₀ | 96 08 28.1 | 22 28.20 | -22 43.8 | 18.1 | -1.07 | - 3.3 | 4.7/24.5 | 25340 | 1994 AE ₁₁ | 96 09 02.5 | 22 47.51 | -16 21.2 | 17.8 | -0.92 | - 5.8 | 3.3/30.7 | 25083 |
| 1981 ES ₃₇ | 96 08 28.3 | 22 28.72 | -03 04.3 | 20.9 | -0.94 | - 6.0 | 2.3/30.3 | 26922 | 1994 CJ ₁₁ | 96 09 02.6 | 22 48.03 | -14 46.6 | 17.8 | -0.75 | -12.2 | 2.3/30.9 | 25442 |
| 1992 GG ₃ | 96 08 28.3 | 22 28.91 | -07 52.6 | 16.9 | -0.99 | - 5.7 | 0.7/29.0 | 25340 | 1993 AN | 96 09 02.7 | 22 48.29 | -10 55.0 | 17.7 | -0.73 | - 4.8 | 0.9/01.6 | 22086 |
| 2144 T-1 | 96 08 28.4 | 22 28.97 | -08 16.7 | 18.0 | -0.89 | - 8.9 | 10.3/18.0 | 25229 | 2281 T-1 | 96 09 02.7 | 22 48.34 | -07 10.8 | 16.8 | -0.77 | - 6.7 | 8.6/14.0 | 25436 |
| 1981 ET ₂₄ | 96 08 28.5 | 22 29.46 | -04 28.6 | 17.5 | -0.88 | - 8.4 | 1.9/30.2 | 22492 | 1992 EJ ₄ | 96 09 02.7 | 22 48.39 | -11 33.1 | 16.5 | -0.99 | - 6.7 | 1.8/01.5 | 25650 |
| 1991 RD ₃ | 96 08 28.5 | 22 29.58 | +01 33.0 | 17.7 | -0.74 | - 6.2 | 3.4/01.4 | 27567 | 1989 TE | 96 09 02.7 | 22 48.43 | +01 28.3 | 15.8 | -0.71 | - 2.8 | 5.0/05.7 | 25226 |
| 1981 EV ₁₀ | 96 08 28.5 | 22 29.65 | -00 34.6 | 19.3 | -0.94 | - 5.7 | 3.6/31.3 | 22270 | 1983 RT ₄ | 96 09 02.8 | 22 48.52 | +04 25.7 | 15.7 | -0.71 | - 8.8 | 4.8/07.3 | 27566 |
| 1981 US ₁₄ | 96 08 28.7 | 22 30.06 | -14 38.7 | 15.8 | -0.88 | - 5.4 | 2.3/27.1 | 23245 | 1981 ET ₁₇ | 96 09 02.8 | 22 48.52 | -05 39.3 | 17.4 | -0.89 | - 5.1 | 0.8/03.0 | 21561 |
| 1981 EK ₁₉ | 96 08 28.7 | 22 30.32 | -09 24.5 | 16.3 | -1.02 | - 2.3 | 11.1/18.0 | 25211 | 1981 EK ₃₂ | 96 09 02.8 | 22 48.56 | +03 18.3 | 19.7 | -0.92 | - 6.0 | 4.5/06.3 | 26921 |
| 1982 RW ₁ | 96 08 28.8 | 22 30.51 | -16 20.4 | 16.0 | -0.97 | - 1.5 | 3.5/27.0 | 25647 | 1979 OQ ₅ | 96 09 02.8 | 22 48.83 | -02 31.4 | 16.7 | -0.77 | - 3.6 | 1.5/04.5 | 21965 |
| 1985 RM ₆ | 96 08 28.8 | 22 30.59 | -09 05.3 | 16.3 | -0.74 | - 4.4 | 8.4/09.0 | 22683 | 1994 CS | 96 09 03.0 | 22 49.28 | -10 54.7 | 17.7 | -0.71 | - 5.9 | 0.9/01.9 | 25083 |
| 1981 EL ₁₅ | 96 08 28.9 | 22 30.75 | -02 24.1 | 19.4 | -0.83 | - 4.7 | 2.3/31.1 | 26918 | 1993 TL ₅ | 96 09 03.0 | 22 49.59 | -05 21.9 | 18.1 | -1.01 | - 4.7 | 0.8/03.7 | 24898 |
| 1990 BB ₂ | 96 08 29.0 | 22 31.17 | +00 54.8 | 16.9 | -0.94 | - 2.2 | 3.4/31.9 | 25649 | 1991 RK ₅ | 96 09 03.3 | 22 50.48 | -18 09.2 | 15.6 | -0.90 | - 1.1 | 3.8/31.3 | 27120 |
| 1981 EJ ₃ | 96 08 29.2 | 22 31.79 | -00 03.7 | 18.1 | -0.96 | - 1.6 | 3.3/31.6 | 26915 | 1995 HR | 96 09 03.4 | 22 51.02 | +03 35.2 | 16.4 | -0.69 | - 7.7 | 3.5/07.5 | 25539 |
| 1993 UN | 96 08 29.5 | 22 33.03 | -09 55.2 | 15.6 | -0.90 | - 5.7 | 0.4/29.3 | 27456 | 1981 EC ₃₈ | 96 09 03.5 | 22 51.40 | -02 28.2 | 18.0 | -0.89 | - 6.0 | 2.2/05.1 | 26922 |
| 1995 DZ ₂ | 96 08 29.5 | 22 33.23 | +25 04.2 | 20.3 | -1.07 | - 1.6 | 11.1/10.0 | 25433 | 1992 SW ₁₀ | 96 09 03.6 | 22 51.64 | -19 01.8 | 16.7 | -0.99 | - 2.8 | 4.1/31.2 | 23538 |
| 1982 VB ₁ | 96 08 29.8 | 22 34.04 | +01 51.2 | 16.3 | -0.83 | - 6.5 | 4.9/02.4 | 23536 | 1981 DT ₁ | 96 09 03.7 | 22 51.92 | +05 09.5 | 19.4 | -0.81 | - 5.3 | 3.7/08.0 | 26914 |
| 1981 EO ₄₄ | 96 08 30.0 | 22 34.85 | -08 27.1 | 19.3 | -0.98 | - 4.7 | 0.2/30.2 | 26923 | 1977 RK | 96 09 03.8 | 22 52.10 | -48 56.2 | 16.9 | -1.65 | + 2.8 | 18.5/22.7 | 27323 |
| 1993 TM ₆ | 96 08 30.0 | 22 35.04 | -10 05.0 | 18.3 | -1.01 | - 4.3 | 0.4/29.7 | 25216 | 1976 YA ₆ | 96 09 03.8 | 22 52.15 | -31 24.3 | 15.9 | -0.95 | - 3.9 | 8.3/26.9 | 25438 |
| 1981 EW ₁₉ | 96 08 30.2 | 22 35.44 | -10 20.8 | 18.4 | -1.08 | - 1.7 | 0.6/29.8 | 26918 | 6644 P-L | 96 09 03.8 | 22 52.24 | -08 34.0 | 16.9 | -0.77 | - 8.6 | 0.6/03.3 | 25341 |
| 1985 VB ₁ | 96 08 30.2 | 22 35.67 | -24 32.0 | 17.1 | -0.62 | -16.2 | 5.6/23.4 | 27305 | 1993 AD | 96 09 03.9 | 22 52.56 | -05 06.1 | 16.5 | -0.89 | - 2.8 | 0.7/04.5 | 21802 |
| 1981 EN ₂₀ | 96 08 30.2 | 22 35.73 | -09 30.7 | 19.0 | -0.97 | - 7.1 | 0.3/30.1 | 26918 | 3224 T-3 | 96 09 03.9 | 22 52.57 | -06 45.9 | 17.0 | -0.93 | - 8.0 | 0.2/04.1 | 23135 |
| 5069 T-2 | 96 08 30.4 | 22 36.39 | +04 22.3 | 17.1 | -0.80 | - 4.8 | 5.1/03.6 | 23540 | 1989 VQ ₁ | 96 09 03.9 | 22 52.57 | -10 36.9 | 18.0 | -0.86 | - 7.9 | 1.2/02.8 | 21572 |
| 2251 T-1 | 96 08 30.4 | 22 36.39 | -12 39.2 | 18.4 | -0.84 | - 4.0 | 1.3/29.3 | 22087 | 1981 EY ₉ | 96 09 03.9 | 22 52.88 | -02 26.0 | 18.0 | -1.00 | - 4.8 | 1.8/05.4 | 22968 |
| 4250 T-3 | 96 08 30.4 | 22 36.58 | -10 32.4 | 16.8 | -0.80 | - 7.5 | 0.8/29.9 | 16884 | 1973 SO ₁ | 96 09 04.0 | 22 52.84 | -04 22.9 | 17.5 | -0.46 | - 3.7 | 0.5/05.0 | 18280 |
| 1994 CY ₁₁ | 96 08 30.6 | 22 37.05 | -12 34.6 | 19.2 | -0.93 | - 4.4 | 1.3/29.5 | 23864 | 1979 MK ₇ | 96 09 04.0 | 22 52.88 | -03 13.5 | 18.7 | -0.72 | - 4.7 | 1.1/05.3 | 21560 |
| 1989 TH ₃ | 96 08 30.7 | 22 37.43 | -12 39.2 | 18.2 | -0.72 | - 7.3 | 2.0/29.4 | 25328 | 1991 RD ₁₂ | 96 09 04.0 | 22 53.24 | -10 20.0 | 17.0 | -0.79 | - 5.9 | 1.1/03.0 | 23349 |
| 6676 P-L | 96 08 30.7 | 22 37.51 | -08 55.2 | 18.8 | -0.77 | - 4.3 | 0.1/30.7 | 14962 | 1993 SQ ₁₀ | 96 09 04.1 | 22 53.19 | -09 37.6 | 16.9 | -1.05 | - 4.7 | 1.0/03.4 | 25228 |
| 1973 SJ ₁ | 96 08 30.7 | 22 37.54 | -07 11.0 | 17.9 | -0.58 | - 3.9 | 0.3/31.3 | 22072 | 1973 SF ₆ | 96 09 04.2 | 22 53.77 | -02 20.0 | 14.7 | -0.68 | -11.2 | 2.3/06.1 | 22967 |
| 1981 DB ₂ | 96 08 30.7 | 22 37.65 | -00 41.0 | 18.8 | -0.86 | - 3.9 | 2.4/02.2 | 26914 | 1995 DO ₁ | 96 09 04.3 | 22 54.30 | -13 42.4 | 17.4 | -0.97 | - 4.4 | 2.4/02.4 | 25072 |
| 1992 EK ₁ | 96 08 30.9 | 22 38.41 | -07 45.2 | 15.0 | -1.10 | - 2.4 | 0.4/31.2 | 24913 | 1985 TD ₃ | 96 09 04.5 | 22 54.72 | +24 02.5 | 16.6 | -0.68 | - 7.2 | 10.1/17.2 | 23683 |
| 1989 YA ₂ | 96 08 31.0 | 22 38.59 | -00 53.7 | 17.9 | -0.90 | - 4.3 | 2.5/02.4 | 23349 | 1981 ER ₃₈ | 96 09 04.6 | 22 55.13 | +01 29.6 | 18.8 | -0.78 | - 8.4 | 2.8/07.6 | 26922 |
| 1995 BR ₃ | 96 08 31.0 | 22 38.67 | -07 54.8 | 16.9 | -0.92 | - 6.8 | 0.3/31.3 | 25084 | 1989 UA ₆ | 96 09 04.8 | 22 55.87 | -12 08.6 | 16.6 | -0.64 | - 3.6 | 1.4/03.1 | 22081 |
| 5030 T-2 | 96 08 31.1 | 22 38.71 | +02 54.5 | 19.0 | -0.50 | - 2.1 | 2.0/03.9 | 15258 | 1984 DB | 96 09 04.8 | 22 55.99 | -11 31.7 | 17.5 | -0.87 | -14.8 | 1.7/03.0 | 26188 |
| 1973 SH ₁ | 96 08 31.1 | 22 38.95 | -11 59.9 | 16.7 | -0.49 | - 3.2 | 0.6/30.0 | 21963 | 1991 RV ₃ | 96 09 04.9 | 22 56.25 | -06 17.0 | 16.9 | -0.84 | - 2.2 | 0.2/05.1 | 25227 |
| 1978 VO ₄ | 96 08 31.1 | 22 38.97 | -15 21.8 | 16.7 | -0.89 | - 5.7 | 3.0/29.0 | 24893 | 1993 UR ₂ | 96 09 04.9 | 22 56.27 | -05 19.1 | 16.7 | -0.90 | - 8.9 | 0.6/05.4 | 25069 |
| 4601 P-L | 96 08 31.3 | 22 39.73 | -13 11.8 | 17.7 | -0.80 | - 4.8 | 1.4/29.8 | 23540 | 1991 GA ₇ | 96 09 05.0 | 22 56.49 | -03 24.6 | 18.5 | -0.88 | - 6.7 | 1.1/06.1 | 25064 |
| 1298 T-2 | 96 08 31.3 | 22 39.76 | -06 11.5 | 17.7 | -0.92 | - 8.3 | 0.9/01.1 | 23131 | 1992 WN ₃ | 96 09 05.0 | 22 56.75 | -24 11.0 | 16.1 | -0.90 | - 5.0 | 6.5/30.1 | 21799 |
| (6505) | 96 08 31.6 | 22 40.64 | +17 18.5 | 16.3 | -0.72 | - 3.1 | 6.2/09.4 | 25519 | 1991 RP ₂₅ | 96 09 05.1 | 22 57.07 | -23 32.0 | 16.9 | -0.86 | - 2.8 | 5.0/30.8 | 22494 |
| (6367) | 96 08 31.6 | 22 40.95 | -11 10.5 | 15.5 | -0.98 | - 4.9 | 1.3/30.9 | 25196 | 1993 TY ₂₄ | 96 09 05.2 | 22 57.48 | -04 54.5 | 18.2 | -0.91 | - 7.9 | 0.8/05.9 | 23125 |
| 1994 BA ₁ | 96 08 31.7 | 22 40.95 | -14 12.3 | 17.9 | -0.96 | - 3.2 | 2.1/30.0 | 23343 | 1991 DM | 96 09 05.2 | 22 57.55 | -07 47.3 | 17.1 | -0.92 | - 6.1 | 0.4/04.9 | 22814 |
| 1994 AM ₁ | 96 09 01.1 | 22 42.58 | +02 45.9 | 17.4 | -0.94 | - 3.6 | 4.8/04.4 | 23676 | 1979 MF | 96 09 05.3 | 22 57.81 | -07 01.6 | 16.9 | -0.95 | - 9.1 | 0.2/05.2 | 23132 |
| 1981 DF ₃ | 96 09 01.2 | 22 42.87 | +01 22.1 | 18.6 | -0.94 | - 2.4 | 3.4/04.0 | 26914 | 1981 EL ₁₀ | 96 09 05.3 | 22 57.89 | -00 42.5 | 17.7 | -0.86 | - 3.7 | 2.2/07.2 | 22968 |
| (6448) | 96 09 01.4 | 22 43.77 | -14 23.0 | 15.9 | -0.94 | - 8.0 | 2.7/30.4 | 25321 | 1979 SK | 96 09 05.5 | 22 58.67 | -01 11.4 | 16.1 | -0.87 | - 2.9 | 2.8/07.2 | 21965 |
| 1973 SA ₂ | 96 09 01.5 | 22 43.83 | -15 44.6 | 17.8 | -0.50 | - 3.0 | 1.4/29.9 | 22072 | 1991 SC ₂ | 96 09 05.6 | 22 58.86 | -09 45.0 | 16.9 | -0.77 | - 5.5 | 1.1/04.6 | 25081 |
| 1992 UH ₄ | 96 09 01.5 | 22 43.85 | -34 39.6 | 15.7 | -0.88 | - 3.8 | 11.1/22.9 | 21590 | (6502) | 96 09 05.6 | 22 58.97 | -08 16.5 | 15.3 | -0.85 | - 9.1 | 0.8/05.1 | 25422 |
| 1981 EZ ₁₁ | 96 09 01.5 | 22 44.05 | -06 42.0 | 18.2 | -1.00 | - 4.2 | 0.5/01.9 | 22808 | 5058 T-2 | 96 09 05.8 | 22 59.63 | +04 50.2 | 17.8 | -0.81 | - 4.4 | 3.5/09.6 | 23131 |
| 1981 ED ₃₇ | 96 09 01.6 | 22 44.23 | -15 35.2 | 15.8 | -0.90 | - 1.9 | 3.9/30.5 | 21967 | 1989 TD | 96 09 05.9 | 22 59.94 | -01 39.4 | 15.8 | -0.79 | - 1.7 | 2.6/07.4 | 21973 |
| (6296) | 96 09 01.9 | 22 45.49 | -45 39.9 | 16.3 | -1.19 | -13.5 | 15.5/15.9 | 25047 | 1981 EN ₂₃ | 96 09 06.0 | 23 00.19 | -06 20.7 | 19.7 | -0.99 | - 5.3 | 0.0/06.0 | 24894 |
| 1981 EL ₄₄ | 96 09 02.1 | 22 46.34 | +00 33.0 | 19.7 | -1.02 | - 2.3 | 3.8/04.5 | 26923 | 3282 T-2 | 96 09 06.0 | 23 00.31 | -14 45.6 | 18.3 | -0.96 | - 3.5 | 3.4/03.6 | 15085 |
| 4186 P-L | 96 09 02.5 | 22 47.49 | -04 20.2 | 17.5 | -0.80 | - 5.9 | 1.5/03.6 | 25341 | 1979 SD ₉ | 96 09 06.0 | 23 00.40 | -10 20.6 | 16.3 | -0.77 | - 4.2 | 1.4/04.8 | 21965 |