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EDITORIAL NOTICE

While it is gratifying to see the volume of observations being made by both professionals and amateurs, it is worth repeating that greatest efficiency is achieved when observations of specific objects are made on each of two nights. This recommendation applies to comets, as well as numbered and unnumbered minor planets. There is no need to make more than two (or three) observations of a specific object on the same night, unless the object has just been discovered, is close to the earth, and the observations cover several hours. Observers are also advised that submissions made on paper are subject to delays, and those who continue to use this means to report observations to the Minor Planet Center are urged to investigate the possibility of using e-mail. Observations submitted electronically in a format different from that described on *MPC* 18848-18850 may also be to delayed. Observers are reminded that temporary designations for new objects should begin in column 6 and extend no further than column 11, that publishable notes are placed in column 14 and that magnitudes begin in column 66.

With regard to orbit computations, there is still no satisfactory resolution regarding the problem with the planetary ephemerides outlined on *MPC* 21830. In view of this, the Minor Planet Center is to enforce as a standard the use of Mercury through Neptune (M-N), plus Pluto (M-P) or Ceres (M-C). Use of additional perturbing minor planets will be acceptable only for numbered objects, and even then, computers should demonstrate that the inclusion of the additional bodies improves the solution.

ERRATA

| <i>MPC</i> | Line | |
|------------|------|--|
| 21758 | - 5 | The orbit for 1989 YG ₃ is to be deleted. |
| 23540 | 30 | For Apollo object read Amor object |

CORRECTED OBSERVATIONS

The following observations correct those previously published.

| Object | Date | UT | α_{2000} | δ_{2000} | Reference | N Obs. |
|--------|------------------|-------------|-----------------|-----------------|-----------------|--------|
| (1620) | 1969 09 10.76196 | 20 31 57.09 | -04 55 57.4 | 57.4 | <i>MPC</i> 5119 | 1 073 |
| (1620) | 1969 09 10.80213 | 20 32 07.23 | -04 52 47.7 | 47.7 | <i>MPC</i> 5119 | 1 073 |
| (1620) | 1969 09 10.81079 | 20 32 08.40 | -04 52 05.8 | 05.8 | <i>MPC</i> 5119 | 1 073 |
| (1620) | 1969 09 10.87104 | 20 32 23.67 | -04 47 19.8 | 19.8 | <i>MPC</i> 5119 | 1 073 |

Note 1: time changed by +4 hours.

IDENTIFICATION CHANGES

Continuation to *MPC* 23551.

| Object | Date | UT | α_{2000} | δ_{2000} | Originally | Mag. | Obs. |
|----------------------|--------------------|-------------|-----------------|-----------------|----------------------|------|------|
| 1972 RG ₄ | * 1972 09 08.92014 | 22 40 02.13 | -08 25 59.4 | 59.4 | 1972 RD ₄ | 16.5 | 095 |
| 1988 UZ ₁ | * 1988 10 16.97873 | 01 25 55.24 | +09 04 33.4 | 33.4 | 1988 TH ₃ | 16.9 | 046 |
| 1988 UZ ₁ | 1988 10 16.99146 | 01 25 54.63 | +09 04 29.6 | 29.6 | 1988 TH ₃ | | 046 |

OBSERVATIONS OF COMETS

Observations are published here for the following observatory codes:

| | |
|-----|--|
| 046 | Kleř. 0.57-m reflector + CCD. Observers J. Tichá, Z. Vávrová, Z. Moravec and M. Tichý. Measured by Z. Moravec, J. Tichá and M. Tichý. |
| 104 | San Marcello Pistoiese. 0.40-m <i>f</i> /5 reflector + CCD. Observers L. Tesi and G. Cattani. |
| 111 | Osservatorio di Piazzano, Florence. 0.20-m <i>f</i> /10 Schmidt Cassegrain + CCD. Observers R. Bettarini, A. Boattini and M. Tombelli. |
| 220 | Vainu Bappu Observatory, Kavalur. 2.3-m reflector + CCD. Observers R. Vasundhara, P. Chakraborty, K. Jayakumar, G. Selvakumar and A. K. Venkataramana. Measured by R. Vasundhara and P. Chakraborty. |
| 292 | Burlington. 0.20-m <i>f</i> /6.3 Schmidt-Cassegrain + CCD. Observer T. Handley. |
| 360 | Kuma Kogen. 0.60-m <i>f</i> /6.0 Ritchey-Chrétien + CCD. Observer A. Nakamura. |
| 372 | Geisei. 0.60-m <i>f</i> /3.5 reflector. Observer T. Seki. In part from <i>Orient. Astron. Assoc. Comet Bull.</i> |
| 402 | Dynic Astronomical Observatory. 0.25-m <i>f</i> /3.4 Schmidt. Observer A. Sugie. |
| 410 | Sengamine. 0.20-m <i>f</i> /6.0 reflector + CCD. Observer K. Ito. |
| 413 | Siding Spring. 1.0-m reflector + CCD. Observers R. H. McNaught, G. J. Garradd, D. I. Steel and D. J. Asher. Measured by G. J. Garradd. |
| 474 | Mt. John Observatory. 0.6-m reflector. Observers A. C. Gilmore and P. M. Kilmartin. |
| 478 | Lamalou-les-Bains. 0.2-m <i>f</i> /4.0 reflector. Observer J. M. Azema. |
| 503 | Cambridge. 0.44-m Schmidt. Observer J. D. Shanklin. |
| 540 | Linz. 0.3-m <i>f</i> /5.2 Schmidt-Cassegrain + CCD. Observers E. Meyer, E. Obermair, H. Raab, E. Kolmhofer and A. Tetkovic. |
| 557 | Ondřejov. 0.18-m <i>f</i> /5.6 Maksutov + CCD. Observers P. Pravec, M. Varady, T. Hudeček and J. Janca. Measured by P. Pravec. |
| 568 | Mauna Kea. 2.2-m reflector + CCD. Observers D. J. Tholen, R. Whiteley, Tae Sun Kim and D. C. Jewitt. Measured by R. Whiteley and D. J. Tholen. |

| Object | Date | UT | α_{2000} | δ_{2000} | Mag. | N Obs. | | | | | | | | |
|---|------|----|-----------------|-----------------|------|--------|--------|------------------|-------------|-------------|--------|-------|--|--|
| 589 Santa Lucia Stroncone. 0.50-m $f/2.8$ Ritchey-Chrétien + CCD. Observers A. Vagnozzi and M. Tombelli. | | | | | | | /1993a | 1994 06 12.67657 | 23 04 37.41 | -19 38 11.4 | | 474 | | |
| 605 Marl. 0.2-m $f/10$ Schmidt-Cassegrain + CCD. Observer E. Jung. | | | | | | | /1993a | 1994 06 12.68167 | 23 04 37.17 | -19 38 19.9 | | 474 | | |
| 657 Climenhaga Observatory, Victoria. 0.5-m reflector + CCD. Observers D. D. Balam and J. B. Tatum. | | | | | | | /1993a | 1994 06 12.68861 | 23 04 36.93 | -19 38 31.4 | 15.6 N | 474 | | |
| 670 Camarillo. 0.25-m Schmidt-Cassegrain + CCD. Observer J. E. Rogers. | | | | | | | /1993a | 1994 06 17.76747 | 23 00 59.00 | -22 05 11.4 | | 413 | | |
| 675 Palomar. 0.46-m Schmidt. Observers J. Alu, E. Helin, P. Jedicke, K. Lawrence, D. H. Levy, C. S. Shoemaker, D. Williams and K. Yau. Measured by J. Alu, K. Lawrence, C. S. Shoemaker and B. A. Skiff. | | | | | | | /1993a | 1994 06 26.33950 | 22 52 24.56 | -26 34 49.6 | | 292 | | |
| 689 U.S. Naval Observatory, Flagstaff Station. 1.5-m astrometric reflector. Observers A. and D. Monet. Reduced by W. Owen with respect to the GSC and the Scotti special catalogue. | | | | | | | /1993a | 1994 06 26.34177 | 22 52 24.56 | -26 34 54.0 | | 292 | | |
| 691 Kitt Peak. 0.91-m Spacewatch telescope. Observers R. Jedicke and J. V. Scotti. Measured by R. Jedicke, T. Metcalfe and J. V. Scotti. | | | | | | | /1993a | 1994 06 26.34514 | 22 52 24.31 | -26 35 03.1 | | 292 | | |
| 801 Oak Ridge. 1.5-m reflector + CCD. Observer R. E. McCrosky. | | | | | | | /1993a | 1994 07 03.70729 | 22 42 14.65 | -30 43 36.2 | 12.3 T | 360 | | |
| 809 European Southern Observatory. 1.5-m Danish reflector + CCD and 3.5-m New Technology Telescope + CCD. Observers T. Lehmann, J.-F. Claeskens, O. Hainaut, M. Carollo, C. Alard, A. Cimatti, F. Mirabel, P.-A. Duc, S. Chaty, R. de Grijs, P. Dubath and R. Schulz. Measured by R. M. West and O. Hainaut. Reduction using the Hipparcos Catalogue. | | | | | | | /1993a | 1994 07 03.71649 | 22 42 13.77 | -30 43 55.2 | | 360 | | |
| 817 Sudbury. 0.28-m Schmidt-Cassegrain + CCD. Observer D. di Cicco. | | | | | | | /1993a | 1994 07 05.68616 | 22 39 01.82 | -31 52 03.9 | 13.0 T | 871 | | |
| 871 Akou. 0.33-m $f/3.3$ reflector + CCD. Observer K. Kawanishi. Measured by A. Fitzsimmons and I. P. Williams. | | | | | | | /1993a | 1994 07 05.69086 | 22 39 01.30 | -31 52 12.4 | | 871 | | |
| 970 Chelmsford. 0.30-m $f/5.25$ reflector. Observer N. James. | | | | | | | /1993a | 1994 07 05.69236 | 22 39 01.15 | -31 52 16.4 | | 871 | | |
| | | | | | | | /1993a | 1994 07 05.69444 | 22 39 00.98 | -31 52 20.5 | | 871 | | |
| Periodic Comet Bus | | | | | | | | | | | | | | |
| | | | | | | | /1993b | 1994 07 05.50278 | 12 09 33.20 | +00 15 54.4 | 18.0 T | 360 | | |
| | | | | | | | /1993b | 1994 07 05.50660 | 12 09 33.55 | +00 15 52.4 | | 360 | | |
| | | | | | | | /1993b | 1994 07 08.17604 | 12 13 41.56 | -00 09 29.1 | 21.4 N | 691 | | |
| | | | | | | | /1993b | 1994 07 08.18337 | 12 13 42.27 | -00 09 33.1 | 18.1 T | 691 | | |
| Periodic Comet Tempel 1 | | | | | | | | | | | | | | |
| | | | | | | | /1993c | 1994 05 06.84299 | 12 59 58.99 | +10 00 22.3 | | 552 | | |
| | | | | | | | /1993c | 1994 05 06.85922 | 12 59 58.44 | +10 00 09.6 | | 552 | | |
| | | | | | | | /1993c | 1994 06 25.91950 | 13 28 18.09 | -07 05 23.9 | 13.2 T | 046 | | |
| | | | | | | | /1993c | 1994 06 25.92081 | 13 28 18.22 | -07 05 25.7 | 15.1 N | 046 | | |
| | | | | | | | /1993c | 1994 06 25.92160 | 13 28 18.27 | -07 05 26.7 | | 046 | | |
| | | | | | | | /1993c | 1994 07 04.49271 | 13 42 50.58 | -10 32 42.9 | 11.1 T | 360 | | |
| | | | | | | | /1993c | 1994 07 04.49549 | 13 42 50.88 | -10 32 47.0 | | 360 | | |
| | | | | | | | /1993c | 1994 07 05.06631 | 13 43 53.68 | -10 46 29.5 | | 801 | | |
| | | | | | | | /1993c | 1994 07 05.06910 | 13 43 54.19 | -10 46 34.9 | | 801 | | |
| | | | | | | | /1993c | 1994 07 07.18416 | 13 47 52.80 | -11 37 08.8 | 17.5 N | 691 | | |
| | | | | | | | /1993c | 1994 07 07.19181 | 13 47 53.64 | -11 37 19.9 | | 691 | | |
| | | | | | | | /1993c | 1994 07 07.19977 | 13 47 54.54 | -11 37 31.2 | 12.2 T | 691 | | |
| | | | | | | | /1993c | 1994 07 10.17546 | 13 53 44.15 | -12 48 08.6 | 17.4 N | 691 | | |
| | | | | | | | /1993c | 1994 07 10.18340 | 13 53 45.08 | -12 48 19.9 | 12.8 T | 691 | | |
| | | | | | | | /1993c | 1994 07 10.19150 | 13 53 46.02 | -12 48 31.4 | 12.6 T | 691 | | |
| | | | | | | | /1993c | 1994 07 12.06547 | 13 57 34.24 | -13 32 34.4 | | 801 | | |
| | | | | | | | /1993c | 1994 07 12.07591 | 13 57 35.52 | -13 32 49.0 | | 801 | | |
| Periodic Comet Shoemaker-Levy 9 | | | | | | | | | | | | | | |
| | | | | | | | /1993e | 1994 04 04.80347 | 14 34 36.40 | -15 39 10.0 | | E 220 | | |
| | | | | | | | /1993e | 1994 04 04.80347 | 14 34 34.82 | -15 39 18.7 | | F 220 | | |
| | | | | | | | /1993e | 1994 04 04.80347 | 14 34 34.29 | -15 39 30.9 | | G 220 | | |
| | | | | | | | /1993e | 1994 04 04.80347 | 14 34 32.73 | -15 39 37.7 | | H 220 | | |
| | | | | | | | /1993e | 1994 04 04.80347 | 14 34 30.93 | -15 39 51.8 | | K 220 | | |
| | | | | | | | /1993e | 1994 04 04.80347 | 14 34 29.46 | -15 40 03.0 | | L 220 | | |
| | | | | | | | /1993e | 1994 04 04.80347 | 14 34 26.80 | -15 40 23.0 | | Q 220 | | |
| | | | | | | | /1993e | 1994 04 04.80347 | 14 34 25.69 | -15 40 32.0 | | R 220 | | |
| | | | | | | | /1993e | 1994 04 04.80347 | 14 34 24.46 | -15 40 41.2 | | S 220 | | |
| | | | | | | | /1993e | 1994 04 04.80347 | 14 34 22.46 | -15 40 57.0 | | W 220 | | |
| | | | | | | | /1993e | 1994 04 04.82361 | 14 34 35.79 | -15 39 08.4 | | E 220 | | |
| | | | | | | | /1993e | 1994 04 04.82361 | 14 34 34.37 | -15 39 16.2 | | F 220 | | |

| | | | | | | | | | |
|--------|------------------|-------------|-------------|-------|--------|------------------|-------------|-------------|-------|
| /1993e | 1994 04 04.82361 | 14 34 33.79 | -15 39 24.1 | G 220 | /1993e | 1994 04 08.90486 | 14 32 51.20 | -15 31 22.4 | S 220 |
| /1993e | 1994 04 04.82361 | 14 34 32.30 | -15 39 35.3 | H 220 | /1993e | 1994 04 08.90486 | 14 32 49.31 | -15 31 37.1 | W 220 |
| /1993e | 1994 04 04.82361 | 14 34 30.51 | -15 39 49.3 | K 220 | /1993e | 1994 04 08.94826 | 14 33 00.25 | -15 30 00.5 | G 220 |
| /1993e | 1994 04 04.82361 | 14 34 29.03 | -15 40 00.7 | L 220 | /1993e | 1994 04 08.94826 | 14 32 58.69 | -15 30 11.8 | H 220 |
| /1993e | 1994 04 04.82361 | 14 34 26.37 | -15 40 20.4 | Q 220 | /1993e | 1994 04 08.94826 | 14 32 56.86 | -15 30 26.1 | K 220 |
| /1993e | 1994 04 04.82361 | 14 34 25.18 | -15 40 29.7 | R 220 | /1993e | 1994 04 08.94826 | 14 32 55.33 | -15 30 38.2 | L 220 |
| /1993e | 1994 04 04.82361 | 14 34 24.02 | -15 40 38.4 | S 220 | /1993e | 1994 04 08.94826 | 14 32 51.41 | -15 31 07.5 | R 220 |
| /1993e | 1994 04 04.82361 | 14 34 22.03 | -15 40 54.7 | W 220 | /1993e | 1994 04 08.94826 | 14 32 50.20 | -15 31 16.7 | S 220 |
| /1993e | 1994 04 04.84010 | 14 34 35.38 | -15 39 06.6 | E 220 | /1993e | 1994 04 08.94826 | 14 32 47.90 | -15 31 32.5 | W 220 |
| /1993e | 1994 04 04.84010 | 14 34 34.06 | -15 39 14.8 | F 220 | /1993e | 1994 04 08.95521 | 14 33 00.07 | -15 29 59.9 | G 220 |
| /1993e | 1994 04 04.84010 | 14 34 33.41 | -15 39 21.9 | G 220 | /1993e | 1994 04 08.95521 | 14 32 58.52 | -15 30 11.2 | H 220 |
| /1993e | 1994 04 04.84010 | 14 34 31.96 | -15 39 33.1 | H 220 | /1993e | 1994 04 08.95521 | 14 32 56.66 | -15 30 25.6 | K 220 |
| /1993e | 1994 04 04.84010 | 14 34 30.12 | -15 39 47.0 | K 220 | /1993e | 1994 04 08.95521 | 14 32 55.18 | -15 30 36.8 | L 220 |
| /1993e | 1994 04 04.84010 | 14 34 28.71 | -15 39 58.3 | L 220 | /1993e | 1994 04 08.95521 | 14 32 51.25 | -15 31 06.9 | R 220 |
| /1993e | 1994 04 04.84010 | 14 34 26.07 | -15 40 11.5 | Q 220 | /1993e | 1994 04 08.95521 | 14 32 50.01 | -15 31 16.0 | S 220 |
| /1993e | 1994 04 04.84010 | 14 34 24.86 | -15 40 27.6 | R 220 | /1993e | 1994 04 08.95521 | 14 32 47.84 | -15 31 32.2 | W 220 |
| /1993e | 1994 04 04.84010 | 14 34 23.67 | -15 40 36.2 | S 220 | /1993e | 1994 04 08.96169 | 14 32 59.92 | -15 29 59.0 | G 220 |
| /1993e | 1994 04 04.84010 | 14 34 21.64 | -15 40 50.9 | W 220 | /1993e | 1994 04 08.96169 | 14 32 58.41 | -15 30 09.9 | H 220 |
| /1993e | 1994 04 04.86319 | 14 34 34.86 | -15 39 03.3 | E 220 | /1993e | 1994 04 08.96169 | 14 32 56.51 | -15 30 24.5 | K 220 |
| /1993e | 1994 04 04.86319 | 14 34 33.49 | -15 39 11.8 | F 220 | /1993e | 1994 04 08.96169 | 14 32 54.99 | -15 30 35.9 | L 220 |
| /1993e | 1994 04 04.86319 | 14 34 32.89 | -15 39 18.7 | G 220 | /1993e | 1994 04 08.96169 | 14 32 51.13 | -15 31 06.1 | R 220 |
| /1993e | 1994 04 04.86319 | 14 34 31.39 | -15 39 29.9 | H 220 | /1993e | 1994 04 08.96169 | 14 32 49.85 | -15 31 14.9 | S 220 |
| /1993e | 1994 04 04.86319 | 14 34 29.53 | -15 39 44.5 | K 220 | /1993e | 1994 04 08.96169 | 14 32 47.78 | -15 31 31.8 | W 220 |
| /1993e | 1994 04 04.86319 | 14 34 28.11 | -15 39 55.1 | L 220 | /1993e | 1994 04 08.97257 | 14 32 59.66 | -15 29 57.0 | G 220 |
| /1993e | 1994 04 04.86319 | 14 34 25.45 | -15 40 15.1 | Q 220 | /1993e | 1994 04 08.97257 | 14 32 58.15 | -15 30 08.3 | H 220 |
| /1993e | 1994 04 04.86319 | 14 34 24.30 | -15 40 24.2 | R 220 | /1993e | 1994 04 08.97257 | 14 32 56.28 | -15 30 23.2 | K 220 |
| /1993e | 1994 04 04.86319 | 14 34 22.82 | -15 40 34.4 | S 220 | /1993e | 1994 04 08.97257 | 14 32 54.71 | -15 30 34.3 | L 220 |
| /1993e | 1994 04 04.86319 | 14 34 21.12 | -15 40 48.9 | W 220 | /1993e | 1994 04 08.97257 | 14 32 52.01 | -15 30 54.9 | Q 220 |
| /1993e | 1994 04 04.87431 | 14 34 34.60 | -15 39 01.5 | E 220 | /1993e | 1994 04 08.97257 | 14 32 50.83 | -15 31 04.1 | R 220 |
| /1993e | 1994 04 04.87431 | 14 34 33.28 | -15 39 10.1 | F 220 | /1993e | 1994 04 08.97257 | 14 32 49.58 | -15 31 13.4 | S 220 |
| /1993e | 1994 04 04.87431 | 14 34 32.63 | -15 39 17.5 | G 220 | /1993e | 1994 04 08.97257 | 14 32 47.57 | -15 31 29.7 | W 220 |
| /1993e | 1994 04 04.87431 | 14 34 31.13 | -15 39 28.4 | H 220 | /1993e | 1994 04 08.97813 | 14 32 59.55 | -15 29 56.3 | G 220 |
| /1993e | 1994 04 04.87431 | 14 34 29.35 | -15 39 42.7 | K 220 | /1993e | 1994 04 08.97813 | 14 32 58.02 | -15 30 07.4 | H 220 |
| /1993e | 1994 04 04.87431 | 14 34 27.86 | -15 39 53.7 | L 220 | /1993e | 1994 04 08.97813 | 14 32 56.15 | -15 30 22.3 | K 220 |
| /1993e | 1994 04 04.87431 | 14 34 25.22 | -15 40 13.6 | Q 220 | /1993e | 1994 04 08.97813 | 14 32 54.66 | -15 30 33.7 | L 220 |
| /1993e | 1994 04 04.87431 | 14 34 24.07 | -15 40 22.9 | R 220 | /1993e | 1994 04 08.97813 | 14 32 51.87 | -15 30 54.1 | Q 220 |
| /1993e | 1994 04 04.87431 | 14 34 22.84 | -15 40 33.7 | S 220 | /1993e | 1994 04 08.97813 | 14 32 50.69 | -15 31 03.6 | R 220 |
| /1993e | 1994 04 04.87431 | 14 34 20.84 | -15 40 47.8 | W 220 | /1993e | 1994 04 08.97813 | 14 32 49.50 | -15 31 12.5 | S 220 |
| /1993e | 1994 04 08.88072 | 14 33 01.88 | -15 30 09.9 | G 220 | /1993e | 1994 04 08.97813 | 14 32 47.31 | -15 31 29.2 | W 220 |
| /1993e | 1994 04 08.88072 | 14 33 00.32 | -15 30 21.0 | H 220 | /1993e | 1994 04 30.85584 | 14 23 34.31 | -14 30 59.6 | E 589 |
| /1993e | 1994 04 08.88072 | 14 32 58.45 | -15 30 35.8 | K 220 | /1993e | 1994 04 30.85584 | 14 23 31.75 | -14 31 21.4 | G 589 |
| /1993e | 1994 04 08.88072 | 14 32 56.96 | -15 30 47.5 | L 220 | /1993e | 1994 04 30.85584 | 14 23 30.00 | -14 31 31.8 | H 589 |
| /1993e | 1994 04 08.88072 | 14 32 54.19 | -15 31 07.9 | Q 220 | /1993e | 1994 04 30.85584 | 14 23 27.85 | -14 31 47.9 | K 589 |
| /1993e | 1994 04 08.88072 | 14 32 53.04 | -15 31 17.1 | R 220 | /1993e | 1994 04 30.85584 | 14 23 26.08 | -14 32 01.3 | L 589 |
| /1993e | 1994 04 08.88072 | 14 32 51.79 | -15 31 26.8 | S 220 | /1993e | 1994 04 30.85584 | 14 23 22.76 | -14 32 24.6 | Q 589 |
| /1993e | 1994 04 08.88072 | 14 32 49.75 | -15 31 42.4 | W 220 | /1993e | 1994 04 30.85584 | 14 23 21.39 | -14 32 36.2 | R 589 |
| /1993e | 1994 04 08.90486 | 14 33 01.23 | -15 30 06.8 | G 220 | /1993e | 1994 04 30.85584 | 14 23 20.06 | -14 32 44.8 | S 589 |
| /1993e | 1994 04 08.90486 | 14 32 59.76 | -15 30 18.8 | H 220 | /1993e | 1994 04 30.87036 | 14 23 33.83 | -14 30 54.5 | E 589 |
| /1993e | 1994 04 08.90486 | 14 32 57.89 | -15 30 32.4 | K 220 | /1993e | 1994 04 30.87036 | 14 23 31.46 | -14 31 16.6 | G 589 |
| /1993e | 1994 04 08.90486 | 14 32 56.37 | -15 30 43.6 | L 220 | /1993e | 1994 04 30.87036 | 14 23 29.70 | -14 31 30.1 | H 589 |
| /1993e | 1994 04 08.90486 | 14 32 53.63 | -15 31 04.5 | Q 220 | /1993e | 1994 04 30.87036 | 14 23 27.54 | -14 31 46.2 | K 589 |
| /1993e | 1994 04 08.90486 | 14 32 52.25 | -15 31 12.5 | R 220 | /1993e | 1994 04 30.87036 | 14 23 25.78 | -14 31 59.7 | L 589 |

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|--------|------------------|--------------|--------------|-------|--------|------------------|-------------|-------------|-------|
| /1993e | 1994 04 30.87036 | 14 23 22.48 | -14 32 20.6 | Q 589 | /1993e | 1994 05 02.51975 | 14 22 50.41 | -14 26 07.0 | D 413 |
| /1993e | 1994 04 30.87036 | 14 23 21.29 | -14 32 31.7 | R 589 | /1993e | 1994 05 02.51975 | 14 22 50.00 | -14 26 11.1 | E 413 |
| /1993e | 1994 04 30.87036 | 14 23 19.55 | -14 32 42.0 | S 589 | /1993e | 1994 05 02.51975 | 14 22 48.35 | -14 26 20.7 | F 413 |
| /1993e | 1994 04 30.89194 | 14 23 33.58 | -14 30 52.9 | E 589 | /1993e | 1994 05 02.51975 | 14 22 47.48 | -14 26 29.5 | G 413 |
| /1993e | 1994 04 30.89194 | 14 23 30.83 | -14 31 14.5 | G 589 | /1993e | 1994 05 02.51975 | 14 22 45.64 | -14 26 42.5 | H 413 |
| /1993e | 1994 04 30.89194 | 14 23 29.09 | -14 31 24.9 | H 589 | /1993e | 1994 05 02.51975 | 14 22 43.51 | -14 26 59.2 | K 413 |
| /1993e | 1994 04 30.89194 | 14 23 26.94 | -14 31 41.0 | K 589 | /1993e | 1994 05 02.51975 | 14 22 41.61 | -14 27 12.3 | L 413 |
| /1993e | 1994 04 30.89194 | 14 23 25.17 | -14 31 54.5 | L 589 | /1993e | 1994 05 02.51975 | 14 22 39.70 | -14 27 24.6 | N 413 |
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| | | | | | | | | | |
|--------|------------------|--------------|--------------|-------|--------|------------------|--------------|--------------|------------|
| /1993e | 1994 07 11.08727 | 14 10 30.513 | -12 22 13.89 | N 809 | /1993e | 1994 07 14.97261 | 14 11 56.805 | -12 17 45.33 | F 809 |
| /1993e | 1994 07 11.08727 | 14 10 28.832 | -12 22 25.60 | P 809 | /1993e | 1994 07 14.97261 | 14 11 53.671 | -12 18 12.94 | G 809 |
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| /1993e | 1994 07 11.49091 | 14 10 49.53 | -12 20 24.6 | H 360 | /1993e | 1994 07 14.98426 | 14 11 42.249 | -12 19 51.26 | K 809 |
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| /1993e | 1994 07 11.49091 | 14 10 27.03 | -12 23 21.7 | S 360 | /1993e | 1994 07 14.98426 | 14 11 30.647 | -12 21 25.61 | P 809 |
| /1993e | 1994 07 11.50313 | 14 10 54.07 | -12 19 50.9 | G 360 | /1993e | 1994 07 14.98426 | 14 11 28.925 | -12 21 41.70 | Q 809 |
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| /1993e | 1994 07 11.50313 | 14 10 33.39 | -12 22 33.3 | Q 360 | /1993e | 1994 07 14.98426 | 14 11 17.140 | -12 23 16.29 | V 809 |
| /1993e | 1994 07 11.50313 | 14 10 27.16 | -12 23 21.4 | S 360 | /1993e | 1994 07 14.98426 | 14 11 15.955 | -12 23 27.26 | W 809 |
| /1993e | 1994 07 12.11469 | 14 11 17.196 | -12 17 38.69 | A 809 | | | | | |
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| /1993e | 1994 07 12.11469 | 14 11 10.911 | -12 18 30.94 | D 809 | | | | | |
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| /1993e | 1994 07 12.98773 | 14 11 32.338 | -12 17 08.91 | A 809 | | | | | |
| /1993e | 1994 07 12.98773 | 14 11 29.330 | -12 17 33.91 | B 809 | /1993v | 1994 04 30.87804 | 07 44 36.96 | +72 12 15.2 | 503 |
| /1993e | 1994 07 12.98773 | 14 11 27.607 | -12 17 48.44 | C 809 | /1993v | 1994 04 30.87903 | 07 44 37.52 | +72 12 18.5 | 503 |
| /1993e | 1994 07 12.98773 | 14 11 25.618 | -12 18 04.74 | D 809 | /1993v | 1994 06 15.55185 | 14 25 32.61 | +64 29 18.2 | 14.2 T 360 |
| /1993e | 1994 07 12.98773 | 14 11 24.271 | -12 18 16.45 | E 809 | /1993v | 1994 06 15.55451 | 14 25 33.05 | +64 29 14.1 | 360 |
| /1993e | 1994 07 12.98773 | 14 11 20.396 | -12 18 48.06 | F 809 | /1993v | 1994 06 15.89394 | 14 26 29.07 | +64 19 40.1 | 14.1 T 540 |
| /1993e | 1994 07 12.98773 | 14 11 17.724 | -12 19 10.96 | G 809 | /1993v | 1994 06 15.89543 | 14 26 29.51 | +64 19 36.6 | 14.1 T 540 |
| /1993e | 1994 07 12.98773 | 14 11 13.098 | -12 19 48.74 | H 809 | /1993v | 1994 06 15.89679 | 14 26 29.71 | +64 19 35.9 | 14.2 T 540 |
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| /1993e | 1994 07 13.17060 | 14 11 30.785 | -12 17 43.82 | C 689 | /1993v | 1994 06 23.94818 | 14 46 09.49 | +60 33 20.6 | 15.6 T 046 |
| /1993e | 1994 07 13.17060 | 14 11 27.382 | -12 18 13.01 | E 689 | /1993v | 1994 06 23.95067 | 14 46 09.71 | +60 33 16.3 | 17.3 N 046 |
| /1993e | 1994 07 13.17060 | 14 11 23.422 | -12 18 45.48 | F 689 | /1993v | 1994 06 23.95211 | 14 46 09.82 | +60 33 13.4 | 046 |
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| /1993e | 1994 07 13.17060 | 14 11 16.064 | -12 19 47.03 | H 689 | /1993v | 1994 06 24.91936 | 14 48 16.13 | +60 06 02.7 | 15.5 T 605 |
| /1993e | 1994 07 13.17060 | 14 11 10.485 | -12 20 33.34 | K 689 | /1993v | 1994 06 24.92937 | 14 48 17.01 | +60 05 46.4 | 15.4 T 046 |
| /1993e | 1994 07 13.17060 | 14 11 06.148 | -12 21 08.57 | L 689 | /1993v | 1994 06 24.93201 | 14 48 17.31 | +60 05 42.9 | 17.2 N 046 |
| /1993e | 1994 07 13.17060 | 14 10 58.434 | -12 22 10.75 | Q 689 | /1993v | 1994 06 24.93204 | 14 48 17.50 | +60 05 40.0 | 15.6 T 605 |
| /1993e | 1994 07 13.17060 | 14 10 55.168 | -12 22 37.23 | R 689 | /1993v | 1994 06 24.93411 | 14 48 17.61 | +60 05 38.6 | 046 |
| /1993e | 1994 07 13.17060 | 14 10 51.930 | -12 23 03.09 | S 689 | /1993v | 1994 06 25.93292 | 14 50 24.49 | +59 37 35.3 | 15.5 T 046 |
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| /1993e | 1994 07 14.17175 | 14 11 45.598 | -12 17 39.38 | E 689 | /1993v | 1994 07 02.48310 | 15 03 16.64 | +56 34 13.3 | 410 |
| /1993e | 1994 07 14.17175 | 14 11 38.429 | -12 18 40.36 | G 689 | /1993v | 1994 07 02.48885 | 15 03 17.38 | +56 34 02.4 | 410 |
| /1993e | 1994 07 14.17175 | 14 11 33.434 | -12 19 22.14 | H 689 | /1993v | 1994 07 02.89620 | 15 04 02.35 | +56 22 39.4 | 15.2 T 540 |
| /1993e | 1994 07 14.17175 | 14 11 27.497 | -12 20 11.50 | K 689 | /1993v | 1994 07 02.89922 | 15 04 02.53 | +56 22 33.5 | 15.4 T 540 |
| /1993e | 1994 07 14.17175 | 14 11 22.919 | -12 20 49.01 | L 689 | /1993v | 1994 07 02.90208 | 15 04 02.79 | +56 22 28.0 | 15.6 T 540 |
| /1993e | 1994 07 14.97261 | 14 12 01.394 | -12 17 05.87 | E 809 | /1993v | 1994 07 02.97064 | 15 04 10.33 | +56 20 34.5 | 15.8 T 046 |
| | | | | | /1993v | 1994 07 02.97206 | 15 04 10.45 | +56 20 32.9 | 046 |

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| /1994i | 1994 06 15.53125 | 13 04 02.74 | -12 24 29.4 | | 360 |
| /1994i | 1994 06 15.86564 | 13 02 44.85 | -12 26 17.8 | 12.9 T | 540 |
| /1994i | 1994 06 15.86684 | 13 02 44.58 | -12 26 18.7 | | 540 |
| /1994i | 1994 06 15.86782 | 13 02 44.31 | -12 26 19.6 | | 540 |
| /1994i | 1994 06 15.86891 | 13 02 44.10 | -12 26 19.7 | | 540 |
| /1994i | 1994 06 24.88138 | 12 33 46.74 | -13 09 05.4 | 11.3 T | 046 |
| /1994i | 1994 06 24.88354 | 12 33 46.37 | -13 09 06.5 | 14.3 N | 046 |
| /1994i | 1994 06 24.88549 | 12 33 46.03 | -13 09 07.0 | | 046 |
| /1994i | 1994 07 04.48455 | 12 13 11.08 | -13 51 29.4 | 11.7 T | 360 |
| /1994i | 1994 07 04.48715 | 12 13 10.82 | -13 51 30.2 | | 360 |

Periodic Comet Brooks 2

| | | | | | |
|--------|------------------|-------------|-------------|--------|-----|
| /1994j | 1994 07 07.74809 | 01 16 22.09 | +08 59 49.3 | 17.4 T | 360 |
| /1994j | 1994 07 07.75069 | 01 16 22.40 | +08 59 50.8 | | 360 |

Periodic Comet Shoemaker 4

| | | | | | |
|--------|------------------|-------------|-------------|--------|-----|
| /1994k | 1994 06 02.32864 | 17 10 24.46 | -11 18 30.9 | 17 T | 675 |
| /1994k | 1994 06 02.36006 | 17 10 23.05 | -11 18 42.9 | | 675 |
| /1994k | 1994 06 04.34201 | 17 08 57.12 | -11 30 52.4 | | 675 |
| /1994k | 1994 06 04.37188 | 17 08 55.72 | -11 31 03.6 | | 675 |
| /1994k | 1994 06 06.36840 | 17 07 27.87 | -11 43 46.4 | | 675 |
| /1994k | 1994 06 07.35399 | 17 06 44.09 | -11 50 09.4 | | 675 |
| /1994k | 1994 06 07.38368 | 17 06 42.64 | -11 50 20.6 | | 675 |
| /1994k | 1994 06 24.95750 | 16 53 55.51 | -13 58 14.0 | 16.7 T | 046 |
| /1994k | 1994 06 24.96056 | 16 53 55.23 | -13 58 15.1 | 18.0 N | 046 |
| /1994k | 1994 06 24.96167 | 16 53 55.24 | -13 58 16.0 | | 046 |
| /1994k | 1994 06 24.96355 | 16 53 55.16 | -13 58 16.1 | | 046 |
| /1994k | 1994 06 26.22506 | 16 53 04.78 | -14 08 15.7 | | 292 |
| /1994k | 1994 06 26.24183 | 16 53 03.96 | -14 08 22.8 | | 292 |
| /1994k | 1994 07 02.58281 | 16 49 08.74 | -14 59 52.0 | 15.9 T | 360 |
| /1994k | 1994 07 02.58576 | 16 49 08.63 | -14 59 53.3 | | 360 |
| /1994k | 1994 07 02.94285 | 16 48 56.42 | -15 02 50.2 | 17.0 T | 046 |
| /1994k | 1994 07 02.94491 | 16 48 56.28 | -15 02 52.1 | | 046 |
| /1994k | 1994 07 02.94662 | 16 48 56.27 | -15 02 52.8 | | 046 |
| /1994k | 1994 07 02.94800 | 16 48 56.22 | -15 02 53.1 | | 046 |
| /1994k | 1994 07 05.10403 | 16 47 45.15 | -15 20 48.8 | 2 801 | |
| /1994k | 1994 07 05.11831 | 16 47 44.59 | -15 20 54.2 | 2 801 | |
| /1994k | 1994 07 07.58003 | 16 46 28.87 | -15 41 32.4 | 16.1 T | 360 |
| /1994k | 1994 07 07.58368 | 16 46 28.76 | -15 41 34.1 | | 360 |
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| /1994k | 1994 07 13.10674 | 16 44 03.79 | -16 28 21.8 | 3 801 | |
| /1994k | 1994 07 13.12396 | 16 44 03.61 | -16 28 31.5 | | 801 |

Periodic Comet Borrelly

| | | | | | |
|--------|------------------|-------------|-------------|--------|-----|
| /1994l | 1994 06 12.72895 | 01 47 26.62 | -18 52 31.9 | 16.7 N | 474 |
| /1994l | 1994 06 12.75175 | 01 47 29.71 | -18 52 20.3 | | 474 |
| /1994l | 1994 06 16.72160 | 01 56 34.33 | -18 18 14.7 | 16.8 N | 474 |
| /1994l | 1994 06 16.73462 | 01 56 36.13 | -18 18 07.7 | | 474 |
| /1994l | 1994 06 17.82322 | 01 59 06.22 | -18 08 48.8 | | 413 |
| /1994l | 1994 06 17.82597 | 01 59 06.57 | -18 08 47.5 | | 413 |
| /1994l | 1994 06 17.82843 | 01 59 06.93 | -18 08 45.9 | | 413 |

Comet Nakamura-Nishimura-Machholz (1994m)

| | | | | | |
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| /1994m | 1994 07 06.43663 | 03 55 26.28 | +70 12 25.5 | 10 T | 675 |
| /1994m | 1994 07 06.46528 | 03 55 21.56 | +70 12 26.4 | | 675 |
| /1994m | 1994 07 06.52257 | 03 55 13.01 | +70 12 09.6 | | 402 |
| /1994m | 1994 07 06.77292 | 03 54 36.69 | +70 11 51.2 | | 372 |
| /1994m | 1994 07 06.77951 | 03 54 35.77 | +70 11 50.0 | 10 T | 372 |
| /1994m | 1994 07 06.78281 | 03 54 35.21 | +70 11 50.4 | | 372 |
| /1994m | 1994 07 07.37549 | 03 53 06.04 | +70 10 55.5 | | 657 |
| /1994m | 1994 07 07.38414 | 03 53 04.73 | +70 10 54.2 | | 657 |
| /1994m | 1994 07 07.39098 | 03 53 03.74 | +70 10 54.1 | | 657 |
| /1994m | 1994 07 07.75833 | 03 52 08.23 | +70 10 22.1 | 11.6 T | 360 |
| /1994m | 1994 07 07.76389 | 03 52 07.38 | +70 10 21.6 | | 360 |
| /1994m | 1994 07 07.77760 | 03 52 05.08 | +70 10 20.3 | 10.5 T | 372 |
| /1994m | 1994 07 08.41510 | 03 50 26.62 | +70 09 21.5 | 10 T | 675 |
| /1994m | 1994 07 08.44167 | 03 50 22.43 | +70 09 16.6 | | 675 |
| /1994m | 1994 07 08.89580 | 03 49 09.94 | +70 08 30.2 | 12.2 T | 046 |
| /1994m | 1994 07 08.89836 | 03 49 09.55 | +70 08 29.8 | | 046 |
| /1994m | 1994 07 08.89955 | 03 49 09.40 | +70 08 29.6 | | 046 |
| /1994m | 1994 07 08.90043 | 03 49 09.27 | +70 08 29.8 | | 046 |
| /1994m | 1994 07 08.90235 | 03 49 08.96 | +70 08 29.6 | | 046 |
| /1994m | 1994 07 09.00435 | 03 48 53.10 | +70 08 21.1 | | 557 |
| /1994m | 1994 07 09.00828 | 03 48 52.49 | +70 08 20.9 | | 557 |
| /1994m | 1994 07 09.01394 | 03 48 51.58 | +70 08 20.5 | 14.7 N | 557 |
| /1994m | 1994 07 09.01909 | 03 48 50.74 | +70 08 20.1 | | 557 |
| /1994m | 1994 07 09.73542 | 03 46 54.94 | +70 07 10.4 | | 402 |
| /1994m | 1994 07 09.74583 | 03 46 53.29 | +70 07 09.8 | | 402 |
| /1994m | 1994 07 09.88700 | 03 46 29.60 | +70 06 50.1 | 12 T | 046 |
| /1994m | 1994 07 09.89240 | 03 46 28.73 | +70 06 49.5 | | 046 |
| /1994m | 1994 07 09.89980 | 03 46 27.57 | +70 06 49.0 | | 046 |
| /1994m | 1994 07 09.90282 | 03 46 27.09 | +70 06 48.7 | | 046 |
| /1994m | 1994 07 09.90963 | 03 46 25.64 | +70 06 47.7 | | 111 |
| /1994m | 1994 07 09.91485 | 03 46 24.98 | +70 06 46.1 | | 111 |
| /1994m | 1994 07 09.98759 | 03 46 13.32 | +70 06 40.7 | | 111 |
| /1994m | 1994 07 09.99046 | 03 46 13.06 | +70 06 40.0 | | 111 |
| /1994m | 1994 07 10.00098 | 03 46 11.41 | +70 06 39.5 | | 111 |
| /1994m | 1994 07 10.05512 | 03 46 02.33 | +70 06 34.6 | | 970 |
| /1994m | 1994 07 10.30208 | 03 45 21.05 | +70 06 04.9 | | 657 |
| /1994m | 1994 07 10.77778 | 03 44 01.61 | +70 05 19.6 | 11 T | 1 372 |
| /1994m | 1994 07 10.78229 | 03 44 00.96 | +70 05 19.1 | | 1 372 |
| /1994m | 1994 07 10.94041 | 03 43 33.43 | +70 04 57.0 | 12 T | 046 |
| /1994m | 1994 07 10.94519 | 03 43 32.64 | +70 04 56.4 | | 046 |
| /1994m | 1994 07 10.94727 | 03 43 32.27 | +70 04 56.2 | | 046 |
| /1994m | 1994 07 12.75035 | 03 38 15.08 | +70 01 24.3 | 11.2 T | 360 |
| /1994m | 1994 07 12.75417 | 03 38 14.42 | +70 01 23.8 | | 360 |
| /1994m | 1994 07 13.45350 | 03 36 05.25 | +69 59 50.8 | | 657 |
| /1994m | 1994 07 13.45465 | 03 36 04.86 | +69 59 50.8 | | 657 |
| /1994m | 1994 07 13.45572 | 03 36 04.72 | +69 59 51.1 | | 657 |
| /1994m | 1994 07 13.95409 | 03 34 30.94 | +69 58 37.9 | 12.4 T | 046 |
| /1994m | 1994 07 13.95542 | 03 34 30.64 | +69 58 37.8 | | 046 |
| /1994m | 1994 07 13.95645 | 03 34 30.48 | +69 58 37.7 | | 046 |
| /1994m | 1994 07 13.95736 | 03 34 30.30 | +69 58 37.7 | | 046 |

Periodic Comet McNaught-Hartley

| | | | | | | | |
|--------|------------------|-------------|-------------|------|---|---|-----|
| /1994n | 1994 07 05.67164 | 21 36 25.66 | -41 43 55.6 | | | 4 | 413 |
| /1994n | 1994 07 06.60581 | 21 36 19.76 | -41 50 17.0 | 16 | T | | 413 |
| /1994n | 1994 07 06.68220 | 21 36 19.03 | -41 50 47.9 | | | | 413 |
| /1994n | 1994 07 07.62939 | 21 36 11.52 | -41 57 13.1 | | | | 413 |
| /1994n | 1994 07 07.70578 | 21 36 10.66 | -41 57 42.6 | | | | 413 |
| /1994n | 1994 07 08.40087 | 21 36 03.98 | -42 02 32.8 | 16.5 | T | | 675 |
| /1994n | 1994 07 08.42917 | 21 36 03.97 | -42 02 42.0 | | | | 675 |
| /1994n | 1994 07 08.62804 | 21 36 01.89 | -42 03 57.8 | | | 4 | 413 |
| /1994n | 1994 07 08.70443 | 21 36 01.06 | -42 04 25.5 | | | | 413 |
| /1994n | 1994 07 10.72413 | 21 35 36.44 | -42 17 58.0 | | | | 372 |
| /1994n | 1994 07 10.73715 | 21 35 36.28 | -42 18 03.8 | | | | 372 |
| /1994n | 1994 07 12.71146 | 21 35 06.49 | -42 30 53.6 | 16.9 | T | | 360 |
| /1994n | 1994 07 12.71528 | 21 35 06.43 | -42 30 55.3 | | | | 360 |

1: poor distribution of reference stars. 2: involved with star. 3: diffuse image. 4: bad seeing. A–W: various nuclei, counted east-west, in the notation of Sekanina *et al.* (1994, *Astron. Astrophys.*, to be published), correlating with that of Jewitt *et al.* (1993, *Bull. Am. Astron. Soc.* **25**, 1042) as A = 21, B = 20, C = 19, D = 18, E = 17, F = 16, G = G₁ = 15 = 15a, H = 14, K = 12, L = 11, N = 9, P = P_{2a} = 8 = 8b₁, Q = Q₁ = 7 = 7a, R = 6, S = 5, T = 4, U = 3, V = 2, W = 1 (the subscripted and suffixed designations referring to members of nuclear pairs not separable in the 1993 March–July data).

OBSERVATIONS OF MINOR PLANETS

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

- A earlier approximate position inferior
- a sense of motion ambiguous
- B black or dark plate
- b bad seeing
- C correction to earlier position
- c crowded star field
- D declination uncertain
- d diffuse image
- E at or near edge of plate
- F faint image
- f involved with emulsion or plate flaw
- G poor guiding
- g no guiding
- I involved with star
- i inkdot measured
- J J2000.0 reduction of previously-reported position
- M measurement difficult
- N near edge of plate, measurement uncertain
- O image out of focus
- o plate measured in one direction only
- P position uncertain
- p poor image
- R right ascension uncertain

- r poor distribution of reference stars
- S poor sky
- s streaked image
- T time uncertain
- t trailed image
- U uncertain image
- u unconfirmed image
- V very faint image
- W weak image
- w weak solution

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

010 Caussols

E. W. Elst, Royal Observatory, B-1180 Brussels, Belgium

C. Pollas, Observatoire de la Côte d'Azur, Avenue Copernic, F-06130 Grasse, France

Observer C. Pollas

Measurer E. W. Elst

0.9-m Schmidt telescope

| | | | | | |
|----------------------|------------------|-------------|-------------|------|-----|
| 1993 QN ₇ | 1993 08 19.08403 | 23 31 17.89 | -06 21 44.3 | 18.5 | 010 |
| 1993 QN ₇ | 1993 08 19.09479 | 23 31 17.52 | -06 21 47.7 | | 010 |
| 1993 QN ₇ | 1993 08 19.10556 | 23 31 17.15 | -06 21 50.8 | | 010 |
| 1993 QM ₈ | 1993 08 19.08403 | 23 36 28.29 | -04 52 45.6 | 18.5 | 010 |
| 1993 QM ₈ | 1993 08 19.09479 | 23 36 27.81 | -04 52 48.2 | | 010 |
| 1993 QM ₈ | 1993 08 19.10556 | 23 36 27.49 | -04 52 51.8 | | 010 |

033 Tautenburg

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

1.3-m Schmidt telescope

PPM

| | | | | | |
|-----------------------|------------------|-------------|-------------|------|-------|
| 1938 SX | 1991 10 06.09132 | 05 23 46.36 | +19 45 52.5 | 17.8 | 033 |
| 1938 SX | 1991 10 06.13576 | 05 23 47.36 | +19 45 50.2 | | 033 |
| 1938 SX | 1991 10 08.07951 | 05 24 29.47 | +19 44 12.0 | | 033 |
| 1938 SX | 1991 10 09.12604 | 05 24 48.97 | +19 43 17.2 | | 033 |
| 1938 SX | 1991 10 10.12049 | 05 25 05.58 | +19 42 22.8 | | 033 |
| 1991 RW ₄ | 1994 04 03.00278 | 11 28 41.20 | +04 14 24.8 | | F 033 |
| 1991 RW ₄ | 1994 04 03.90000 | 11 27 59.50 | +04 16 25.6 | | 033 |
| 1991 RW ₄ | 1994 04 03.95764 | 11 27 56.78 | +04 16 32.4 | | 033 |
| 1991 RW ₄ | 1994 04 04.94167 | 11 27 11.54 | +04 18 40.5 | 19.2 | 033 |
| 1991 RT ₄₀ | 1994 04 03.00278 | 11 38 35.61 | +04 23 11.9 | | 033 |
| 1991 RT ₄₀ | 1994 04 03.90000 | 11 37 57.63 | +04 26 27.4 | | 033 |
| 1991 RT ₄₀ | 1994 04 03.95764 | 11 37 55.05 | +04 26 40.1 | | 033 |
| 1991 RT ₄₀ | 1994 04 04.94167 | 11 37 14.01 | +04 30 08.4 | 18.7 | 033 |
| 1992 SU | 1994 04 03.00278 | 11 31 27.12 | +03 56 58.7 | | 033 |
| 1992 SU | 1994 04 03.90000 | 11 30 57.02 | +04 05 13.4 | | 033 |
| 1992 SU | 1994 04 03.95764 | 11 30 55.09 | +04 05 44.0 | | 033 |
| 1992 SU | 1994 04 04.94167 | 11 30 22.76 | +04 14 37.1 | 18.1 | 033 |
| 1993 TG ₃₉ | 1993 10 17.94306 | 02 15 22.59 | +05 33 02.9 | 19.1 | 033 |
| 1993 TG ₃₉ | 1993 10 18.00278 | 02 15 19.33 | +05 32 42.1 | | 033 |
| 1993 UH ₄ | 1993 10 17.94306 | 02 20 08.32 | +05 56 53.7 | 19.2 | 033 |
| 1993 UH ₄ | 1993 10 18.00278 | 02 20 04.95 | +05 56 31.4 | | 033 |
| 1993 UQ ₄ | 1993 10 17.94306 | 02 22 27.99 | +06 34 14.2 | 17.9 | 033 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|------|-------|----------------------|------------------|-------------|-------------|--------|-------|
| 1993 UQ ₄ | 1993 10 18.00278 | 02 22 24.31 | +06 33 52.9 | | 033 | 1980 DX | 1994 07 03.00343 | 21 02 33.13 | -07 24 24.6 | 16.9 R | 046 |
| 1994 GX ₉ | * 1994 04 03.00278 | 11 28 51.26 | +03 44 00.1 | | 033 | 1980 DX | 1994 07 03.00845 | 21 02 33.02 | -07 24 25.3 | | 046 |
| 1994 GX ₉ | 1994 04 03.90000 | 11 28 18.98 | +03 48 14.7 | | 033 | 1980 DX | 1994 07 03.01132 | 21 02 32.95 | -07 24 26.1 | | 046 |
| 1994 GX ₉ | 1994 04 03.95764 | 11 28 16.87 | +03 48 30.2 | | 033 | 1988 AO ₁ | 1994 07 02.98098 | 20 34 58.75 | -22 45 40.6 | 18.0 R | p 046 |
| 1994 GX ₉ | 1994 04 04.94167 | 11 27 42.09 | +03 53 01.8 | 18.7 | 033 | 1988 AO ₁ | 1994 07 02.98642 | 20 34 58.52 | -22 45 41.0 | | p 046 |
| 1994 GY ₉ | * 1994 04 03.00278 | 11 29 08.40 | +04 51 26.8 | | 033 | 1988 AO ₁ | 1994 07 02.98917 | 20 34 58.46 | -22 45 41.5 | | p 046 |
| 1994 GY ₉ | 1994 04 03.90000 | 11 28 35.97 | +04 58 09.0 | | 033 | 1988 AO ₁ | 1994 07 03.99176 | 20 34 16.45 | -22 50 38.6 | 18.2 R | p 046 |
| 1994 GY ₉ | 1994 04 03.95764 | 11 28 33.89 | +04 58 34.1 | | 033 | 1988 AO ₁ | 1994 07 03.99315 | 20 34 16.33 | -22 50 39.8 | | p 046 |
| 1994 GY ₉ | 1994 04 04.94167 | 11 27 59.15 | +05 05 45.3 | 18.9 | 033 | 1988 AO ₁ | 1994 07 03.99441 | 20 34 16.30 | -22 50 40.1 | | p 046 |
| 1994 GZ ₉ | * 1994 04 03.00278 | 11 32 14.83 | +05 29 26.5 | | 033 | 1994 LW | 1994 06 24.94043 | 15 24 20.77 | +12 05 00.9 | 16.8 R | 046 |
| 1994 GZ ₉ | 1994 04 03.90000 | 11 31 42.44 | +05 32 58.8 | | 033 | 1994 LW | 1994 06 24.94549 | 15 24 20.99 | +12 05 17.6 | | 046 |
| 1994 GZ ₉ | 1994 04 03.95764 | 11 31 40.25 | +05 33 12.4 | | 033 | 1994 LW | 1994 06 24.94834 | 15 24 21.13 | +12 05 27.1 | | 046 |
| 1994 GZ ₉ | 1994 04 04.94167 | 11 31 05.12 | +05 36 59.7 | 19.0 | 033 | 1994 LW | 1994 06 24.94948 | 15 24 21.21 | +12 05 31.0 | | 046 |
| 1994 GA ₁₀ | * 1994 04 03.00278 | 11 37 25.87 | +02 45 06.8 | | 033 | 1994 LW | 1994 06 25.94288 | 15 25 17.72 | +12 59 48.8 | 16.8 R | 046 |
| 1994 GA ₁₀ | 1994 04 03.90000 | 11 36 34.36 | +02 47 25.5 | | 033 | 1994 LW | 1994 06 25.94494 | 15 25 17.88 | +12 59 55.3 | | 046 |
| 1994 GA ₁₀ | 1994 04 03.95764 | 11 36 31.03 | +02 47 33.8 | | 033 | 1994 LW | 1994 06 25.94697 | 15 25 17.92 | +13 00 02.4 | | 046 |
| 1994 GA ₁₀ | 1994 04 04.94167 | 11 35 35.40 | +02 49 59.5 | 18.3 | 033 | 1994 LW | 1994 07 01.93418 | 15 32 04.37 | +18 03 24.2 | 17.0 R | 046 |
| 1994 GB ₁₀ | * 1994 04 03.00278 | 11 38 36.43 | +03 18 54.3 | | 033 | 1994 LW | 1994 07 01.93785 | 15 32 04.64 | +18 03 34.4 | | 046 |
| 1994 GB ₁₀ | 1994 04 03.90000 | 11 37 47.51 | +03 22 51.4 | | 033 | 1994 LW | 1994 07 01.93887 | 15 32 04.72 | +18 03 37.8 | | 046 |
| 1994 GB ₁₀ | 1994 04 03.95764 | 11 37 44.19 | +03 23 06.4 | | 033 | 1994 LW | 1994 07 01.93987 | 15 32 04.79 | +18 03 40.5 | | 046 |
| 1994 GB ₁₀ | 1994 04 04.94167 | 11 36 51.43 | +03 27 18.5 | 18.8 | 033 | 1994 LW | 1994 07 01.94440 | 15 32 05.10 | +18 03 52.9 | | 046 |
| 1994 GC ₁₀ | * 1994 04 03.00278 | 11 38 57.06 | +05 53 32.1 | | 033 | 1994 LX | 1994 07 13.98660 | 20 10 37.85 | -26 05 51.2 | 16.3 R | 046 |
| 1994 GC ₁₀ | 1994 04 03.90000 | 11 38 19.17 | +05 55 28.5 | | 033 | 1994 LX | 1994 07 13.98762 | 20 10 37.72 | -26 05 53.4 | | 046 |
| 1994 GC ₁₀ | 1994 04 03.95764 | 11 38 16.59 | +05 55 36.3 | | 033 | 1994 LX | 1994 07 13.98902 | 20 10 37.50 | -26 05 56.9 | | 046 |
| 1994 GC ₁₀ | 1994 04 04.94167 | 11 37 36.14 | +05 57 32.8 | 18.7 | I 033 | 1994 LX | 1994 07 13.98994 | 20 10 37.37 | -26 05 59.3 | | 046 |
| 1994 GD ₁₀ | * 1994 04 03.00278 | 11 39 29.24 | +05 02 17.8 | | V 033 | (148) | 1994 07 02.91875 | 16 20 47.67 | +11 28 18.0 | | 046 |
| 1994 GD ₁₀ | 1994 04 03.90000 | 11 38 54.57 | +05 05 21.9 | | 033 | (148) | 1994 07 02.94167 | 16 20 46.92 | +11 28 09.0 | | 046 |
| 1994 GD ₁₀ | 1994 04 03.95764 | 11 38 52.18 | +05 05 33.2 | | 033 | (1021) | 1994 07 13.99394 | 20 13 58.24 | -20 37 05.9 | 13.2 R | 046 |
| 1994 GD ₁₀ | 1994 04 04.94167 | 11 38 14.97 | +05 08 49.6 | 18.8 | 033 | (1021) | 1994 07 13.99591 | 20 13 58.14 | -20 37 06.8 | | 046 |
| 1994 GE ₁₀ | * 1994 04 03.00278 | 11 39 34.49 | +04 15 50.9 | | F 033 | (1021) | 1994 07 13.99674 | 20 13 58.10 | -20 37 07.2 | | 046 |
| 1994 GE ₁₀ | 1994 04 03.90000 | 11 38 53.08 | +04 20 04.0 | | 033 | (2005) | 1994 07 14.01044 | 21 32 46.16 | -07 46 04.1 | 17.2 R | 046 |
| 1994 GE ₁₀ | 1994 04 03.95764 | 11 38 50.32 | +04 20 20.0 | | 033 | (2005) | 1994 07 14.01267 | 21 32 46.07 | -07 46 04.3 | | 046 |
| 1994 GE ₁₀ | 1994 04 04.94167 | 11 38 05.87 | +04 24 50.6 | 18.9 | 033 | (2005) | 1994 07 14.01442 | 21 32 46.00 | -07 46 03.8 | | 046 |
| 1994 GF ₁₀ | * 1994 04 03.00278 | 11 39 52.85 | +04 19 13.5 | | 033 | (2965) | 1994 07 13.97693 | 17 35 15.33 | -00 26 18.9 | 16.1 R | 046 |
| 1994 GF ₁₀ | 1994 04 03.90000 | 11 39 15.89 | +04 23 05.3 | | 033 | (2965) | 1994 07 13.97892 | 17 35 15.25 | -00 26 21.2 | | 046 |
| 1994 GF ₁₀ | 1994 04 03.95764 | 11 39 13.45 | +04 23 19.6 | | 033 | (2965) | 1994 07 13.98148 | 17 35 15.14 | -00 26 24.1 | | 046 |
| 1994 GF ₁₀ | 1994 04 04.94167 | 11 38 33.60 | +04 27 26.8 | 18.5 | 033 | | | | | | |
| 1994 GG ₁₀ | * 1994 04 03.90000 | 11 27 30.22 | +05 49 00.0 | | 033 | | | | | | |
| 1994 GG ₁₀ | 1994 04 03.95764 | 11 27 27.87 | +05 49 24.8 | | 033 | | | | | | |
| 1994 GG ₁₀ | 1994 04 04.94167 | 11 26 49.20 | +05 56 16.2 | 18.8 | 033 | | | | | | |

046 Kleř

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

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

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

0.57-m reflector + CCD

GSC

| | | | | | |
|---------|------------------|-------------|-------------|--------|-----|
| 1979 TA | 1994 07 02.99468 | 20 51 47.97 | -18 05 25.2 | 18.0 R | 046 |
| 1979 TA | 1994 07 02.99748 | 20 51 47.86 | -18 05 25.5 | | 046 |
| 1979 TA | 1994 07 03.00181 | 20 51 47.78 | -18 05 25.5 | | 046 |
| 1979 TA | 1994 07 04.00531 | 20 51 20.34 | -18 05 46.1 | 17.7 R | 046 |
| 1979 TA | 1994 07 04.00662 | 20 51 20.32 | -18 05 45.9 | | 046 |
| 1979 TA | 1994 07 04.00786 | 20 51 20.26 | -18 05 45.9 | | 046 |

073 Bucharest

G. Boćsa, Center for Astronomy and Space Sciences, Cutitul de Argint 5, R-75212

Bucharest, Romania

0.38-m *f*/16 astrograph

SAOC

| | | | | | |
|-----|------------------|-------------|-------------|--|-----|
| (2) | 1993 09 03.76738 | 21 40 12.08 | +06 15 07.5 | | 073 |
| (2) | 1993 09 03.77915 | 21 40 11.56 | +06 14 58.9 | | 073 |
| (2) | 1993 09 10.75450 | 21 35 37.41 | +04 47 59.4 | | 073 |
| (2) | 1993 09 10.76835 | 21 35 36.88 | +04 47 48.9 | | 073 |
| (2) | 1993 09 13.73385 | 21 33 51.86 | +04 10 15.2 | | 073 |
| (2) | 1993 09 13.74770 | 21 33 51.38 | +04 10 05.6 | | 073 |
| (4) | 1993 09 07.82329 | 22 32 37.56 | -20 00 39.4 | | 073 |
| (4) | 1993 09 07.83022 | 22 32 37.20 | -20 00 40.7 | | 073 |
| (4) | 1993 09 10.83310 | 22 30 03.79 | -20 16 32.8 | | 073 |
| (4) | 1993 09 10.84003 | 22 30 03.50 | -20 16 34.1 | | 073 |
| (4) | 1993 09 13.81280 | 22 27 39.41 | -20 30 16.1 | | 073 |

| | | | | |
|-------|------------------|-------------|-------------|-----|
| (4) | 1993 09 13.82388 | 22 27 38.82 | -20 30 18.4 | 073 |
| (4) | 1993 10 11.79071 | 22 15 20.08 | -20 56 42.5 | 073 |
| (4) | 1993 10 11.80040 | 22 15 20.05 | -20 56 41.0 | 073 |
| (4) | 1993 10 13.73227 | 22 15 17.97 | -20 52 13.3 | 073 |
| (4) | 1993 10 13.74196 | 22 15 17.94 | -20 52 11.9 | 073 |
| (11) | 1993 10 11.80906 | 01 01 47.46 | -01 42 23.9 | 073 |
| (11) | 1993 10 11.82083 | 01 01 46.83 | -01 42 27.6 | 073 |
| (80) | 1993 07 26.80669 | 18 33 56.84 | -07 39 46.2 | 073 |
| (80) | 1993 07 26.81708 | 18 33 56.36 | -07 39 47.4 | 073 |
| (148) | 1993 04 27.76779 | 11 56 10.15 | +23 40 22.3 | 073 |
| (148) | 1993 04 27.77957 | 11 56 09.91 | +23 40 23.0 | 073 |
| (389) | 1993 10 11.83087 | 01 32 42.19 | +22 53 36.5 | 073 |
| (389) | 1993 10 11.84126 | 01 32 41.61 | +22 53 33.5 | 073 |
| (389) | 1993 10 13.75270 | 01 30 57.41 | +22 44 23.8 | 073 |
| (389) | 1993 10 13.75962 | 01 30 57.07 | +22 44 21.6 | 073 |
| (409) | 1993 07 26.83474 | 19 43 34.67 | -05 13 34.7 | 073 |
| (409) | 1993 07 26.84617 | 19 43 34.02 | -05 13 35.3 | 073 |
| (532) | 1992 06 24.82830 | 16 14 16.01 | -06 40 09.0 | 073 |
| (532) | 1992 06 24.83869 | 16 14 15.61 | -06 40 13.6 | 073 |

104 San Marcello Pistoiese

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

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

0.4-m $f/5$ reflector + CCD

GSC

| | | | | |
|----------------------|--------------------|-------------|-------------|----------|
| 1991 SJ ₁ | 1994 06 16.09028 | 17 51 58.48 | -02 37 45.6 | 104 |
| 1991 SJ ₁ | 1994 06 16.09751 | 17 51 58.36 | -02 37 46.2 | 104 |
| 1994 LE ₁ | * 1994 06 08.98877 | 16 22 02.78 | -17 49 13.7 | 18.5 104 |
| 1994 LE ₁ | 1994 06 08.99375 | 16 22 02.47 | -17 49 14.3 | 104 |
| 1994 LE ₁ | 1994 06 08.99768 | 16 22 02.47 | -17 49 16.2 | 104 |
| 1994 LE ₁ | 1994 06 09.00753 | 16 22 01.76 | -17 49 16.7 | 104 |
| 1994 LE ₁ | 1994 06 09.01195 | 16 22 01.44 | -17 49 16.8 | 104 |
| 1994 LE ₁ | 1994 06 15.96382 | 16 15 50.11 | -18 18 17.5 | 104 |
| 1994 LE ₁ | 1994 06 15.97465 | 16 15 49.47 | -18 18 18.3 | 104 |
| (5057) | 1994 06 17.90313 | 16 58 36.39 | -13 06 34.5 | 18 104 |
| (5057) | 1994 06 17.90625 | 16 58 36.25 | -13 06 34.4 | 104 |
| (5057) | 1994 06 17.90903 | 16 58 36.12 | -13 06 34.4 | 104 |
| (5057) | 1994 06 17.91181 | 16 58 35.93 | -13 06 34.1 | 104 |
| (5057) | 1994 06 17.91806 | 16 58 35.69 | -13 06 33.9 | 104 |
| (5057) | 1994 06 17.94028 | 16 58 34.77 | -13 06 33.5 | 104 |
| (5057) | 1994 06 17.94375 | 16 58 34.60 | -13 06 33.3 | 104 |
| (5057) | 1994 06 17.95104 | 16 58 34.27 | -13 06 33.0 | 104 |
| (5057) | 1994 06 18.89965 | 16 57 51.84 | -13 06 20.5 | 104 |
| (5057) | 1994 06 18.90278 | 16 57 51.72 | -13 06 20.5 | 104 |
| (5057) | 1994 06 18.90625 | 16 57 51.60 | -13 06 20.3 | 104 |
| (5057) | 1994 06 18.91296 | 16 57 51.37 | -13 06 20.1 | 104 |
| (6022) | 1994 05 15.87222 | 13 23 24.85 | -03 32 28.6 | 104 |
| (6022) | 1994 05 15.87465 | 13 23 24.74 | -03 32 28.6 | 104 |
| (6022) | 1994 05 15.87778 | 13 23 24.65 | -03 32 28.5 | 104 |
| (6022) | 1994 05 15.88021 | 13 23 24.53 | -03 32 28.4 | 104 |
| (6022) | 1994 05 15.88750 | 13 23 24.26 | -03 32 28.2 | 104 |
| (6022) | 1994 05 15.89387 | 13 23 24.05 | -03 32 28.0 | 104 |

| | | | | |
|--------|------------------|-------------|-------------|-----|
| (6022) | 1994 05 15.90289 | 13 23 23.72 | -03 32 28.0 | 104 |
| (6022) | 1994 05 16.85833 | 13 22 51.10 | -03 32 23.7 | 104 |
| (6022) | 1994 05 16.86111 | 13 22 51.01 | -03 32 23.4 | 104 |
| (6022) | 1994 05 16.86389 | 13 22 50.90 | -03 32 23.2 | 104 |
| (6022) | 1994 05 16.87292 | 13 22 50.58 | -03 32 22.5 | 104 |

111 Piazzano Observatory, Florence

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

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

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

GSC

| | | | | |
|---------|------------------|-------------|-------------|-----|
| 1994 LW | 1994 06 24.90575 | 15 24 19.04 | +12 03 06.0 | 111 |
| 1994 LW | 1994 06 24.91585 | 15 24 19.63 | +12 03 41.0 | 111 |
| 1994 LW | 1994 06 24.92220 | 15 24 19.91 | +12 04 03.1 | 111 |
| 1994 LW | 1994 06 24.93105 | 15 24 20.32 | +12 04 32.9 | 111 |
| 1994 LW | 1994 06 24.96099 | 15 24 21.90 | +12 06 13.5 | 111 |
| (386) | 1994 06 24.99338 | 17 10 03.26 | +06 07 23.4 | 111 |
| (386) | 1994 06 24.99855 | 17 10 03.11 | +06 07 22.9 | 111 |
| (386) | 1994 06 25.00853 | 17 10 02.55 | +06 07 21.3 | 111 |
| (386) | 1994 06 25.01556 | 17 10 02.20 | +06 07 20.4 | 111 |
| (892) | 1994 06 24.99338 | 17 10 17.99 | +06 15 16.0 | 111 |
| (892) | 1994 06 24.99855 | 17 10 17.67 | +06 15 13.7 | 111 |
| (892) | 1994 06 25.00853 | 17 10 17.15 | +06 15 12.7 | 111 |
| (892) | 1994 06 25.01556 | 17 10 17.20 | +06 15 13.6 | 111 |

292 Burlington

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

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

GSC

| | | | | |
|---------|------------------|-------------|-------------|-----|
| 1989 CF | 1994 05 22.34938 | 17 10 26.40 | -03 46 16.1 | 292 |
| 1989 CF | 1994 05 22.36225 | 17 10 25.82 | -03 46 16.0 | 292 |

360 Kuma Kogen Astronomical Observatory

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

Observer A. Nakamura

0.60-m $f/6.0$ Ritchey-Chrétien + CCD

GSC

| | | | | | | |
|----------------------|------------------|-------------|-------------|--------|---|-----|
| 1993 PC | 1994 07 04.57639 | 17 28 54.97 | -38 12 17.1 | 17.1 V | c | 360 |
| 1993 PC | 1994 07 04.57882 | 17 28 54.64 | -38 12 12.4 | | c | 360 |
| 1994 AH ₂ | 1994 07 09.67656 | 18 05 08.72 | +09 46 53.4 | 15.8 V | | 360 |
| 1994 AH ₂ | 1994 07 09.68229 | 18 05 08.75 | +09 46 32.1 | | | 360 |
| 1994 JE ₁ | 1994 06 15.51753 | 12 07 40.64 | +03 53 51.1 | | p | 360 |
| 1994 JE ₁ | 1994 06 15.52222 | 12 07 40.85 | +03 53 48.9 | | p | 360 |
| 1994 JF ₁ | 1994 07 13.52622 | 15 57 52.84 | -16 06 05.0 | 17.4 V | | 360 |
| 1994 JF ₁ | 1994 07 13.52917 | 15 57 53.20 | -16 06 07.9 | | | 360 |
| 1994 LA | 1994 07 07.61493 | 16 40 44.82 | -14 21 52.6 | 19.0 V | | 360 |
| 1994 LA | 1994 07 07.62743 | 16 40 44.36 | -14 21 57.1 | | | 360 |
| 1994 LW | 1994 07 02.60093 | 15 32 56.45 | +18 34 38.9 | 17.5 V | | 360 |
| 1994 LW | 1994 07 02.60295 | 15 32 56.61 | +18 34 44.6 | | | 360 |
| 1994 LW | 1994 07 04.58698 | 15 35 40.23 | +20 04 17.2 | 17.4 V | | 360 |
| 1994 LW | 1994 07 04.58958 | 15 35 40.43 | +20 04 24.0 | | | 360 |
| 1994 LX | 1994 07 12.68767 | 20 13 45.83 | -25 09 34.4 | 16.0 V | | 360 |
| 1994 LX | 1994 07 12.69045 | 20 13 45.42 | -25 09 41.7 | | | 360 |

| | | | | | |
|---------|--------------------|-------------|-------------|--------|-------|
| 1994 ND | 1994 07 07.67882 | 21 40 39.20 | -38 43 40.0 | 15.4 V | t 360 |
| 1994 ND | 1994 07 07.68160 | 21 40 41.00 | -38 44 10.7 | | t 360 |
| 1994 ND | 1994 07 07.68438 | 21 40 42.81 | -38 44 41.7 | | t 360 |
| 1994 NE | 1994 07 06.62049 | 20 27 40.96 | -16 36 05.3 | 12.8 V | t 360 |
| 1994 NE | 1994 07 06.62205 | 20 27 44.96 | -16 37 42.4 | | t 360 |
| 1994 NE | 1994 07 06.62413 | 20 27 50.30 | -16 39 52.3 | | t 360 |
| 1994 NE | 1994 07 07.66089 | 21 47 59.20 | -40 36 56.8 | 12.7 V | t 360 |
| 1994 NE | 1994 07 07.66193 | 21 48 07.05 | -40 38 40.3 | | t 360 |
| 1994 NE | 1994 07 07.66332 | 21 48 17.51 | -40 40 58.0 | | t 360 |
| 1994 NK | 1994 07 12.69670 | 21 29 14.83 | -12 20 09.2 | 18.5 V | 360 |
| 1994 NK | 1994 07 12.69948 | 21 29 14.85 | -12 20 14.0 | | 360 |
| 1994 NN | * 1994 07 04.52378 | 14 08 59.92 | -12 27 21.6 | 19.5 V | 360 |
| 1994 NN | 1994 07 04.53681 | 14 09 00.10 | -12 27 21.3 | | 360 |
| 1994 NN | 1994 07 08.48872 | 14 10 10.69 | -12 25 25.5 | | 360 |
| 1994 NN | 1994 07 08.51155 | 14 10 11.10 | -12 25 25.2 | | 360 |

372 Geisei

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

0.60-m $f/3.5$ reflector

ACRS

| | | | | | |
|---------|------------------|------------|-----------|----|-------|
| 1994 ND | 1994 07 06.70000 | 21 30 08.3 | -35 43 40 | 17 | t 372 |
| 1994 NE | 1994 07 06.58958 | 20 26 22.2 | -16 04 20 | 14 | t 372 |
| 1994 NE | 1994 07 06.67014 | 20 29 50.4 | -17 28 19 | | t 372 |

399 Kushiro

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

Observer S. Ueda

Measurer H. Kaneda

0.25-m $f/3.4$ hyperboloid astrocamera

GSC

| | | | | | |
|----------------------|------------------|-------------|-------------|------|-----|
| 1989 CH | 1994 02 11.61032 | 11 48 01.14 | +12 53 02.4 | 16.5 | 399 |
| 1989 CH | 1994 02 11.63229 | 11 48 00.76 | +12 53 21.8 | | 399 |
| 1994 GB ₉ | 1994 05 06.58264 | 13 20 34.20 | -05 26 36.7 | 17 | 399 |
| 1994 GB ₉ | 1994 05 06.59740 | 13 20 33.79 | -05 26 34.3 | | 399 |
| 1994 GB ₉ | 1994 05 13.58472 | 13 17 15.04 | -05 02 36.6 | 17 | 399 |
| 1994 GB ₉ | 1994 05 13.60556 | 13 17 14.59 | -05 02 32.3 | | 399 |
| 2645 P-L | 1994 03 04.62222 | 11 40 58.65 | +06 07 02.4 | 16.8 | 399 |
| 2645 P-L | 1994 03 04.63681 | 11 40 57.89 | +06 07 08.6 | | 399 |
| 3297 T-2 | 1994 03 04.62222 | 11 46 17.46 | +08 36 20.9 | 16.5 | 399 |
| 3297 T-2 | 1994 03 04.63681 | 11 46 16.50 | +08 36 25.7 | | 399 |

400 Kitami

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

Observer K. Endate

Measurer K. Watanabe

0.25-m $f/2.6$ Schmidt camera

GSC

| | | | | | |
|----------------------|------------------|-------------|-------------|------|-----|
| 1994 GD ₁ | 1994 05 05.59792 | 14 06 58.39 | -02 05 44.9 | 16.2 | 400 |
| 1994 GD ₁ | 1994 05 05.61319 | 14 06 57.49 | -02 05 48.4 | | 400 |
| 1994 JN | 1994 06 11.56042 | 15 05 27.21 | -02 14 10.8 | 16.0 | 400 |
| 1994 JN | 1994 06 11.58125 | 15 05 26.72 | -02 14 07.8 | | 400 |

413 Siding Spring

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

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

Observers D. J. Asher, C. P. Cass, J. A. Dawe, M. J. Drinkwater, G. J. Garradd,

M. Hartley, R. W. Hunstead, R. H. McNaught, K. S. Russell, D. I. Steel

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

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

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| 1988 EG | 1994 06 17.61235 | 15 04 41.11 | -11 12 55.2 | I | 413 |
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| 1994 JC | 1994 06 17.43572 | 12 49 40.46 | -14 10 25.3 | | | 413 | 1994 LD ₁ | 1994 06 18.63458 | 21 43 42.91 | -44 00 46.2 | | 413 | | |
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| (1620) | 1994 06 18.36397 | 08 53 58.29 | -06 13 50.7 | | 413 | | | | | | |
| (1620) | 1994 06 19.35516 | 08 55 27.31 | -06 43 54.7 | | 413 | | | | | | |
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| (1916) | 1994 06 20.54830 | 13 46 26.84 | -42 54 59.6 | | 413 | | | | | | |

474 Mount John

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

Observer A. C. Gilmore

Measurer P. M. Kilmartin

0.6-m *f*/14 Cassegrain reflector

SAOC, CPZ, field plates from Carter Observatory

| | | | | | |
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| 1987 JA | 1994 05 03.49586 | 14 23 27.72 | -15 25 48.3 | 18.4 | 474 |
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|----------------------|--------------------|-------------|-------------|------|-------|--|------------------|-------------|-------------|--------|-------|
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| 1994 GW ₉ | * 1994 04 14.46106 | 14 42 37.90 | -16 38 03.2 | 19.1 | 474 | 3196 T-1 | 1994 05 04.58926 | 14 26 05.49 | -15 41 12.7 | | 474 |
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| 1994 GW ₉ | 1994 04 15.44248 | 14 41 52.56 | -16 37 42.8 | 18.5 | 474 | 3196 T-1 | 1994 05 05.48752 | 14 25 21.41 | -15 36 43.6 | | 474 |
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| 1994 JX | 1994 06 12.48236 | 10 49 08.64 | -72 47 04.6 | 18.7 | 474 | (3644) | 1994 04 14.55910 | 15 21 51.88 | -22 47 33.4 | | t 474 |
| 1994 JX | 1994 06 12.49891 | 10 49 00.69 | -72 47 23.3 | | 474 | (3644) | 1994 04 15.51186 | 15 21 07.45 | -22 46 54.0 | 17.4 | t 474 |
| 1994 JP ₈ | * 1994 05 03.55697 | 15 06 09.04 | -21 11 17.4 | | 474 | (3644) | 1994 04 15.55223 | 15 21 05.47 | -22 46 52.5 | | t 474 |
| 1994 JP ₈ | 1994 05 03.57387 | 15 06 07.92 | -21 11 14.5 | | 474 | (3644) | 1994 05 04.66113 | 15 02 23.54 | -22 08 33.0 | 16.4 | 474 |
| 1994 JP ₈ | 1994 05 04.61142 | 15 05 02.70 | -21 10 25.5 | 18.0 | 474 | (3644) | 1994 05 04.68700 | 15 02 21.87 | -22 08 28.6 | | 474 |
| 1994 JP ₈ | 1994 05 04.63382 | 15 05 01.31 | -21 10 24.3 | | 474 | (3644) | 1994 05 05.58162 | 15 01 23.04 | -22 05 37.2 | | 474 |
| 1994 JQ ₈ | * 1994 05 03.55697 | 15 06 23.49 | -21 16 20.0 | | 474 | (3644) | 1994 05 05.60454 | 15 01 21.44 | -22 05 32.9 | | 474 |
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| 1994 JQ ₈ | 1994 05 04.63382 | 15 05 23.45 | -21 12 04.7 | | 474 | J.-M. Azema, Domaine de Coubillou, F-34240 Lamalou-les-Bains, France | | | | | |
| 1994 JR ₈ | 1994 04 14.46106 | 14 43 32.56 | -16 27 40.8 | 18.5 | 474 | 0.20-m <i>f</i> /4.0 reflector | | | | | |
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| 1994 JR ₈ | 1994 04 15.44248 | 14 42 46.06 | -16 25 37.7 | 17.7 | 474 | (52) | 1994 03 07.88642 | 08 15 55.79 | +21 01 24.2 | | 478 |
| 1994 JR ₈ | 1994 04 15.47130 | 14 42 44.60 | -16 25 34.8 | | 474 | (52) | 1994 03 08.86119 | 08 15 45.11 | +21 03 55.1 | | 478 |
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| 1994 JR ₈ | 1994 05 05.48752 | 14 25 01.83 | -15 31 17.2 | | 474 | | | | | | |
| 1994 JS ₈ | * 1994 05 04.56403 | 14 26 02.49 | -15 32 31.4 | 19.1 | 474 | 540 Linz | | | | | |
| 1994 JS ₈ | 1994 05 04.58926 | 14 26 00.89 | -15 32 25.7 | | 474 | E. Meyer, F. Marklstrasse 1/62, A-4040 Linz, Austria | | | | | |
| 1994 JS ₈ | 1994 05 05.46600 | 14 25 06.74 | -15 29 17.1 | 19.0 | 474 | Observers E. Meyer, E. Obermair, H. Raab, E. Kolmhofer | | | | | |
| 1994 JS ₈ | 1994 05 05.48752 | 14 25 05.32 | -15 29 12.8 | | 474 | 0.30-m <i>f</i> /5.2 Schmidt Cassegrain + CCD | | | | | |
| 1994 JT ₈ | 1994 04 14.53416 | 15 19 26.27 | -22 50 13.5 | 18.8 | 474 | GSC | | | | | |
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| 1994 AH ₂ | 1994 06 25.98725 | 18 02 53.47 | +30 15 02.9 | 14.1 R | 540 | 1992 UO ₄ | 1994 01 30.81985 | 06 46 23.75 | +34 26 37.0 | 552 | |
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| 1994 EQ ₃ | 1994 05 08.85878 | 12 44 35.44 | +03 44 30.7 | 16.2 R | 540 | (164) | 1994 02 25.86326 | 11 12 54.31 | +41 22 54.6 | 552 | |
| 1994 EQ ₃ | 1994 05 08.86221 | 12 44 35.41 | +03 44 31.6 | 16.1 R | 540 | (164) | 1994 02 25.86657 | 11 12 54.03 | +41 22 56.0 | 552 | |
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| 1994 EQ ₃ | 1994 05 08.89274 | 12 44 34.93 | +03 44 31.1 | 16.1 R | 540 | (164) | 1994 02 25.88853 | 11 12 52.64 | +41 23 04.3 | 552 | |
| 1994 LW | 1994 06 24.87087 | 15 24 17.21 | +12 01 12.0 | 16.9 R | 540 | (164) | 1994 02 25.89947 | 11 12 51.97 | +41 23 07.4 | 552 | |
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| 552 San Vittore | | | | | | | (311) | 1994 05 06.92319 | 13 29 41.21 | -05 23 22.4 | 552 |
| E. Colombini, Via S. Vittore 44, I-40136 Bologna, Italy | | | | | | | (311) | 1994 05 06.94150 | 13 29 40.48 | -05 23 18.8 | 552 |
| Observers C. Vacchi, G. Sassi, V. Goretti, R. Di Luca, E. Colombini | | | | | | | (556) | 1994 01 13.91469 | 07 04 16.98 | +22 13 49.7 | 552 |
| 0.25-m <i>f</i> /2.5 Schmidt + CCD | | | | | | | (556) | 1994 01 13.98123 | 07 04 12.60 | +22 13 44.6 | 552 |
| GSC | | | | | | | (612) | 1994 05 06.88040 | 13 30 23.71 | -06 00 24.6 | 552 |
| 1987 MC | 1994 06 15.85375 | 16 55 32.49 | -05 47 48.1 | 14.6 V | 552 | (612) | 1994 05 06.88477 | 13 30 23.55 | -06 00 22.3 | 552 | |
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| (1382) | 1993 12 17.95681 | 04 14 34.59 | +23 45 21.7 | 552 | 1994 AH ₂ | 1994 07 03.89699 | 18 04 04.99 | +16 42 46.1 | 557 | |
| (1505) | 1993 12 03.92353 | 04 35 17.96 | +21 10 12.0 | 552 | 1994 AH ₂ | 1994 07 03.92053 | 18 04 05.00 | +16 40 49.4 | 557 | |
| (1505) | 1993 12 03.93421 | 04 35 17.27 | +21 10 08.2 | 552 | 1994 AH ₂ | 1994 07 03.96586 | 18 04 05.06 | +16 37 04.4 | 557 | |
| (1820) | 1994 04 06.84799 | 12 33 31.58 | +03 02 38.5 | 552 | 1994 AH ₂ | 1994 07 04.02913 | 18 04 05.18 | +16 31 50.8 | 557 | |
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| (4244) | 1993 12 03.91485 | 04 35 10.58 | +21 17 54.2 | 552 | | | | | | |
| (4244) | 1993 12 03.92353 | 04 35 10.16 | +21 17 52.1 | 552 | 1981 EM ₁₇ | 1994 06 07.94042 | 15 42 12.52 | -11 18 03.5 | 18.0 | 560 |
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| (5313) | 1994 01 13.92324 | 07 04 27.45 | +22 06 50.6 | 552 | 1981 EM ₁₇ | 1994 06 07.95628 | 15 42 11.57 | -11 18 00.5 | | 560 |
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| | | | | | 1994 LG | 1994 06 07.94897 | 15 42 47.13 | -11 23 30.0 | | 560 |
| | | | | | 1994 LG | 1994 06 07.95628 | 15 42 46.62 | -11 23 27.4 | | 560 |
| | | | | | (6016) | 1994 06 07.94042 | 15 42 42.64 | -11 18 28.3 | 16.9 | 560 |
| | | | | | (6016) | 1994 06 07.94897 | 15 42 42.16 | -11 18 25.8 | | 560 |
| | | | | | (6016) | 1994 06 07.95628 | 15 42 41.79 | -11 18 24.7 | | 560 |

560 Madonna di Dossobuono

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

Observers L. Lai, I. Rocchetti

0.40-m $f/3.5$ reflector + CCD

GSC

| | | | | | |
|-----------------------|------------------|-------------|-------------|------|-----|
| 1981 EM ₁₇ | 1994 06 07.94042 | 15 42 12.52 | -11 18 03.5 | 18.0 | 560 |
| 1981 EM ₁₇ | 1994 06 07.94897 | 15 42 12.04 | -11 18 02.1 | | 560 |
| 1981 EM ₁₇ | 1994 06 07.95628 | 15 42 11.57 | -11 18 00.5 | | 560 |
| 1994 LG | 1994 06 07.94042 | 15 42 47.58 | -11 23 31.5 | 18.1 | 560 |
| 1994 LG | 1994 06 07.94897 | 15 42 47.13 | -11 23 30.0 | | 560 |
| 1994 LG | 1994 06 07.95628 | 15 42 46.62 | -11 23 27.4 | | 560 |
| (6016) | 1994 06 07.94042 | 15 42 42.64 | -11 18 28.3 | 16.9 | 560 |
| (6016) | 1994 06 07.94897 | 15 42 42.16 | -11 18 25.8 | | 560 |
| (6016) | 1994 06 07.95628 | 15 42 41.79 | -11 18 24.7 | | 560 |

568 Mauna Kea Observatory

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

Observers D. J. Tholen, R. Whiteley

Measurers D. J. Tholen, R. Whiteley

2.2-m reflector + CCD

GSC

| | | | | | | | | | | |
|----------------------|------------------|-------------|-------------|-----|----------------------|------------------|-------------|-------------|--------|-------|
| 1993 VW | 1994 06 12.87876 | 16 16 10.79 | -09 45 47.8 | 557 | 1994 ES ₂ | 1994 05 05.34069 | 10 35 17.80 | +08 58 16.2 | 23.8 V | P 568 |
| 1993 VW | 1994 06 12.90894 | 16 16 09.17 | -09 45 38.2 | 557 | 1994 ES ₂ | 1994 05 06.34071 | 10 35 16.64 | +08 58 22.9 | 24.8 V | P 568 |
| 1993 VW | 1994 06 12.95146 | 16 16 06.84 | -09 45 24.1 | 557 | 1994 ND | 1994 07 06.60968 | 21 29 10.23 | -35 26 58.5 | | 568 |
| 1993 VW | 1994 06 13.02192 | 16 16 03.12 | -09 45 00.9 | 557 | 1994 ND | 1994 07 06.61354 | 21 29 12.49 | -35 27 40.5 | | 568 |
| 1994 AH ₂ | 1994 06 14.92731 | 17 58 52.10 | +60 53 41.8 | 557 | 1994 ND | 1994 07 07.52122 | 21 38 52.52 | -38 14 34.7 | 15.8 V | 568 |
| 1994 AH ₂ | 1994 06 14.94394 | 17 58 52.50 | +60 50 19.2 | 557 | 1994 ND | 1994 07 07.55341 | 21 39 13.07 | -38 20 30.5 | 15.6 V | 568 |
| 1994 AH ₂ | 1994 06 15.00623 | 17 58 53.97 | +60 37 38.7 | 557 | 1994 ND | 1994 07 08.55939 | 21 50 59.80 | -41 25 33.4 | | 568 |
| 1994 AH ₂ | 1994 06 15.05814 | 17 58 55.22 | +60 27 02.3 | 557 | 1994 NE | 1994 07 07.49136 | 21 28 07.85 | -36 00 33.9 | 12.7 V | 568 |
| 1994 AH ₂ | 1994 06 20.90795 | 18 01 49.92 | +42 27 22.3 | 557 | 1994 NE | 1994 07 07.51234 | 21 30 18.13 | -36 34 28.7 | 12.6 V | 568 |
| 1994 AH ₂ | 1994 06 20.93431 | 18 01 49.95 | +42 23 05.3 | 557 | (1620) | 1993 11 19.63148 | 08 37 53.11 | +40 55 47.2 | | 568 |
| 1994 AH ₂ | 1994 06 20.94688 | 18 01 49.95 | +42 21 02.5 | 557 | | | | | | |
| 1994 AH ₂ | 1994 06 20.96509 | 18 01 49.97 | +42 18 04.3 | 557 | | | | | | |
| 1994 AH ₂ | 1994 06 21.01440 | 18 01 50.02 | +42 10 02.2 | 557 | | | | | | |
| 1994 AH ₂ | 1994 06 21.03483 | 18 01 50.06 | +42 06 42.1 | 557 | | | | | | |
| 1994 AH ₂ | 1994 07 03.88459 | 18 04 04.97 | +16 43 46.9 | 557 | | | | | | |

(1620) 1994 02 03.45006 06 16 18.84 +44 23 53.9 568
 (1620) 1994 02 03.45440 06 16 18.24 +44 23 48.3 568

587 Sormano

P. Sicoli, Via Valli 9, I-22040 Garbagnate Monastero (Como), Italy
 Observers P. Sicoli, M. Cavagna, A. Testa, V. Giuliani, P. Ghezzi
 0.5-m reflector + CCD
 GSC

1984 KB 1994 07 05.91552 18 11 12.59 -13 37 02.0 587
 1984 KB 1994 07 05.92205 18 11 11.91 -13 37 04.5 587
 1994 AH₂ 1994 06 23.85630 18 02 32.43 +34 59 07.9 587
 1994 AH₂ 1994 06 23.85987 18 02 32.46 +34 58 37.2 587
 1994 AH₂ 1994 06 23.86496 18 02 32.47 +34 57 54.4 587
 1994 EQ₃ 1994 06 23.90068 12 52 40.22 +01 21 29.1 587
 1994 EQ₃ 1994 06 23.91267 12 52 40.66 +01 21 23.7 587
 1994 FR 1994 05 10.84200 11 00 25.67 +05 06 55.2 587
 1994 FR 1994 05 10.91360 11 00 26.25 +05 06 50.4 587
 1994 LW 1994 06 23.88187 15 23 24.45 +11 06 00.4 587
 1994 LW 1994 06 23.88533 15 23 24.52 +11 06 12.5 587
 1994 LW 1994 06 23.88965 15 23 24.87 +11 06 25.0 587
 1994 LA₃ * 1994 06 07.87906 11 26 17.57 +03 41 27.0 18.0 V 587
 1994 LA₃ 1994 06 07.88695 11 26 17.95 +03 41 25.2 587
 1994 LA₃ 1994 06 07.90730 11 26 19.02 +03 41 21.5 587
 1994 LA₃ 1994 06 14.87780 11 32 45.53 +03 16 29.8 587
 1994 LA₃ 1994 06 14.89212 11 32 46.35 +03 16 26.3 587
 1994 LA₃ 1994 06 14.91365 11 32 47.68 +03 16 22.0 587
 (317) 1994 06 05.85167 13 26 23.20 -06 25 40.7 587
 (317) 1994 06 05.89876 13 26 22.95 -06 25 41.5 587
 (1575) 1994 06 23.91898 15 07 43.12 +08 51 41.1 587
 (1575) 1994 06 23.93767 15 07 43.15 +08 51 41.6 587
 (1575) 1994 06 30.90995 15 08 49.39 +08 47 01.5 587

589 Santa Lucia Stroncone

A. Vagnozzi, Via Santa Lucia 68, I-05039 Stroncone (Terni), Italy
 Observers A. Vagnozzi, V. Risoldi, G. Bernabei, E. Gregori, F. Lombardi
 Measurer A. Vagnozzi
 0.50-m *f*/2.8 Ritchey-Chrétien + CCD
 GSC

1994 NA * 1994 07 02.88285 19 50 19.49 -19 57 32.9 18.5 V 589
 1994 NA 1994 07 02.89622 19 50 18.79 -19 57 38.1 589
 1994 NA 1994 07 02.91304 19 50 18.00 -19 57 44.5 589
 1994 NA 1994 07 02.93689 19 50 16.62 -19 57 54.2 589
 1994 NA 1994 07 03.90528 19 49 28.36 -20 04 12.3 18.4 V 589
 1994 NA 1994 07 03.91649 19 49 27.77 -20 04 16.3 589
 1994 NA 1994 07 03.92728 19 49 27.16 -20 04 20.0 589

595 Farra d'Isonzo

L. Bittesini, Via dei Conventi 10, I-34070 Farra D'Isonzo (GO), Italy
 Observers E. Pettarin, G. Lombardi, A. Toso
 Measurers E. Pettarin, A. Toso
 0.4-m *f*/4.5 reflector + CCD
 GSC

1994 LH 1994 06 29.91425 16 44 51.40 -06 08 02.9 18.5 V I 595
 1994 LH 1994 06 29.94690 16 44 50.35 -06 08 20.1 595
 1994 LH 1994 07 03.91655 16 42 56.63 -06 39 38.5 19.2 V 595
 1994 LH 1994 07 03.93485 16 42 56.08 -06 39 47.1 595
 1994 LH 1994 07 09.95566 16 40 53.27 -07 31 01.2 18.3 V 595
 1994 LH 1994 07 09.97014 16 40 53.00 -07 31 08.9 595
 1994 NC 1994 07 03.95465 20 32 22.90 -05 01 00.0 595
 1994 NC * 1994 07 03.97394 20 32 22.19 -05 01 02.0 595
 1994 NC 1994 07 05.04928 20 31 42.78 -05 03 28.0 16.8 V 595
 1994 NC 1994 07 05.06133 20 31 42.24 -05 03 29.5 595
 1994 NC 1994 07 06.94191 20 30 30.45 -05 08 14.7 16.8 V 595
 1994 NC 1994 07 06.95337 20 30 29.99 -05 08 16.4 595
 1994 NC 1994 07 09.99606 20 28 25.72 -05 17 18.5 595
 1994 NC 1994 07 10.01250 20 28 25.03 -05 17 21.5 595

596 Colleverde di Guidonia

V. S. Casulli, Via M. Rosa 1, I-00010 Colleverde di Guidonia (RM), Italy
 Observers V. S. Casulli, S. Valentini
 0.31-m *f*/2.8 Baker-Schmidt + CCD
 GSC

1953 GN 1994 06 05.88881 17 08 06.11 -11 26 36.8 596
 1953 GN 1994 06 05.89922 17 08 05.28 -11 26 35.9 596
 1953 GN 1994 06 05.91488 17 08 04.28 -11 26 34.4 596
 1977 DD₁ 1994 06 05.83863 16 14 39.43 -11 26 13.3 596
 1977 DD₁ 1994 06 05.86378 16 14 37.99 -11 26 11.7 596
 1977 DD₁ 1994 06 05.87650 16 14 37.25 -11 26 09.2 596
 1986 PF 1994 05 31.92507 17 18 00.26 -21 25 00.7 596
 1986 PF 1994 05 31.93924 17 17 59.55 -21 24 56.4 596
 1990 OD 1994 05 29.88228 16 50 40.69 -15 00 18.4 596
 1990 OD 1994 05 29.89830 16 50 39.96 -15 00 08.6 596
 1990 OD 1994 05 29.91883 16 50 38.93 -14 59 56.9 596
 1990 VY₆ 1994 05 31.88186 16 29 55.70 -28 41 08.9 596
 1990 VY₆ 1994 05 31.90201 16 29 54.23 -28 41 14.5 596
 1990 VY₆ 1994 05 31.91060 16 29 53.67 -28 41 15.5 596
 1991 RF₁₄ 1994 06 07.87826 17 17 43.17 -11 19 36.2 596
 1991 RF₁₄ 1994 06 07.90535 17 17 41.47 -11 19 29.7 596
 1991 RF₁₄ 1994 06 07.91670 17 17 40.85 -11 19 26.6 596
 (3658) 1994 05 31.88186 16 30 27.44 -28 37 15.8 596
 (3658) 1994 05 31.90201 16 30 26.05 -28 37 07.7 596
 (3658) 1994 05 31.91060 16 30 25.38 -28 37 06.1 596
 (5155) 1994 05 15.87727 15 21 39.34 -17 02 58.4 596
 (5155) 1994 05 15.89366 15 21 38.39 -17 02 57.1 596
 (5155) 1994 05 15.90340 15 21 37.89 -17 02 56.4 596
 (6009) 1994 05 15.83455 15 37 26.20 -03 46 41.7 596
 (6009) 1994 05 15.85360 15 37 24.99 -03 46 23.3 596
 (6009) 1994 05 15.86591 15 37 24.22 -03 46 11.6 596
 (6011) 1994 06 06.89397 17 34 22.07 -19 27 56.2 596
 (6011) 1994 06 06.91096 17 34 20.89 -19 27 57.1 596
 (6011) 1994 06 06.93429 17 34 19.63 -19 27 54.3 596
 (6016) 1994 05 21.87520 15 59 32.35 -12 33 24.7 596
 (6016) 1994 05 21.89583 15 59 30.52 -12 33 18.9 596
 (6016) 1994 05 21.90958 15 59 30.14 -12 33 14.6 596

597 Springe

N. Ehring, Berliner Ring 30, D-50321 Brühl, Federal Republic of Germany

| | | | | |
|-------|------------------|-------------|-------------|-----|
| (173) | 1994 05 11.89623 | 14 45 49.01 | +04 26 55.6 | 597 |
| (173) | 1994 05 11.91113 | 14 45 48.24 | +04 26 58.3 | 597 |
| (194) | 1994 05 11.99748 | 17 53 40.00 | +06 06 11.3 | 597 |
| (194) | 1994 05 12.00928 | 17 53 39.88 | +06 06 17.8 | 597 |
| (225) | 1994 05 11.94578 | 15 05 21.66 | -00 41 56.3 | 597 |
| (225) | 1994 05 11.95888 | 15 05 21.18 | -00 41 49.5 | 597 |
| (357) | 1994 03 16.06361 | 12 28 10.83 | +12 23 53.4 | 597 |
| (357) | 1994 03 16.06794 | 12 28 10.66 | +12 23 55.1 | 597 |

657 Victoria, Climenhaga Observatory

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

Observer D. D. Balam

0.5-m reflector + CCD

| | | | | |
|-----------------------|------------------|-------------|-------------|-----|
| 1985 RR ₄ | 1994 07 13.32910 | 20 44 03.42 | -04 23 45.8 | 657 |
| 1985 RR ₄ | 1994 07 13.33098 | 20 44 03.26 | -04 23 47.0 | 657 |
| 1985 RR ₄ | 1994 07 13.34260 | 20 44 02.76 | -04 23 49.0 | 657 |
| 1990 KL | 1994 06 22.42639 | 21 07 08.10 | +04 33 13.6 | 657 |
| 1990 KL | 1994 06 22.43243 | 21 07 08.32 | +04 33 18.0 | 657 |
| 1990 KL | 1994 06 22.43509 | 21 07 08.42 | +04 33 19.8 | 657 |
| 1993 FO ₃₆ | 1994 07 13.38310 | 21 13 37.17 | -03 03 59.5 | 657 |
| 1993 FO ₃₆ | 1994 07 13.38956 | 21 13 36.93 | -03 04 01.4 | 657 |
| 1993 FO ₃₆ | 1994 07 13.39522 | 21 13 36.74 | -03 04 02.0 | 657 |
| 1994 AH ₂ | 1994 06 22.29940 | 18 02 11.33 | +38 47 35.0 | 657 |
| 1994 AH ₂ | 1994 06 22.30072 | 18 02 11.33 | +38 47 23.4 | 657 |
| 1994 AH ₂ | 1994 06 22.30190 | 18 02 11.33 | +38 47 12.5 | 657 |
| 1994 AH ₂ | 1994 06 29.32968 | 18 03 24.25 | +23 49 48.4 | 657 |
| 1994 AH ₂ | 1994 06 29.33104 | 18 03 24.24 | +23 49 39.4 | 657 |
| 1994 AH ₂ | 1994 06 29.33243 | 18 03 24.23 | +23 49 31.0 | 657 |
| 1994 AH ₂ | 1994 07 13.32015 | 18 06 03.80 | +06 17 36.7 | 657 |
| 1994 AH ₂ | 1994 07 13.32141 | 18 06 03.80 | +06 17 32.0 | 657 |
| 1994 JD | 1994 06 23.25405 | 14 55 38.95 | +05 49 32.0 | 657 |
| 1994 JD | 1994 06 23.25645 | 14 55 38.93 | +05 49 29.0 | 657 |
| 1994 JD | 1994 06 23.26189 | 14 55 38.76 | +05 49 20.8 | 657 |
| 1994 LW | 1994 06 22.28072 | 15 22 05.16 | +09 34 27.6 | 657 |
| 1994 LW | 1994 06 22.28333 | 15 22 05.23 | +09 34 37.2 | 657 |
| 1994 LW | 1994 06 22.28615 | 15 22 05.34 | +09 34 48.0 | 657 |
| 1994 LW | 1994 06 23.23800 | 15 22 51.75 | +10 29 29.6 | 657 |
| 1994 LW | 1994 06 23.24108 | 15 22 51.88 | +10 29 40.4 | 657 |
| 1994 LW | 1994 06 23.24203 | 15 22 51.93 | +10 29 44.2 | 657 |
| 1994 LW | 1994 06 23.24497 | 15 22 52.06 | +10 29 52.5 | 657 |
| 1994 LW | 1994 06 29.28516 | 15 28 50.85 | +15 54 22.7 | 657 |
| 1994 LW | 1994 06 29.29488 | 15 28 51.49 | +15 54 50.5 | 657 |
| 1994 LW | 1994 07 13.23601 | 15 49 54.73 | +25 40 18.7 | 657 |
| 1994 LW | 1994 07 13.23918 | 15 49 55.12 | +25 40 27.4 | 657 |
| 1994 LW | 1994 07 13.24081 | 15 49 55.15 | +25 40 30.7 | 657 |
| (4868) | 1994 06 22.34727 | 18 33 28.50 | +22 00 01.9 | 657 |
| (4868) | 1994 06 22.34944 | 18 33 28.41 | +22 00 00.3 | 657 |
| (4868) | 1994 06 22.35137 | 18 33 28.28 | +22 00 03.6 | 657 |
| (4868) | 1994 06 22.35767 | 18 33 27.83 | +22 00 02.7 | 657 |

| | | | | |
|--------|------------------|-------------|-------------|-----|
| (4868) | 1994 06 29.34062 | 18 26 47.58 | +22 13 21.7 | 657 |
| (4868) | 1994 06 29.34396 | 18 26 47.41 | +22 13 21.0 | 657 |
| (4868) | 1994 06 29.36036 | 18 26 46.37 | +22 13 21.7 | 657 |

658 Dominion Astrophysical Observatory, Victoria

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Observers D. D. Balam, J. B. Tatum

Measurer D. D. Balam

1.82-m Plaskett telescope + CCD

GSC

| | | | | |
|----------------------|------------------|-------------|-------------|-----|
| 1990 VB | 1994 07 09.42925 | 01 26 33.28 | +29 39 21.3 | 658 |
| 1990 VB | 1994 07 09.43457 | 01 26 34.65 | +29 39 30.2 | 658 |
| 1990 VB | 1994 07 09.43712 | 01 26 35.30 | +29 39 34.4 | 658 |
| 1993 ET | 1994 07 04.29091 | 16 04 22.44 | +12 28 10.1 | 658 |
| 1993 ET | 1994 07 04.29796 | 16 04 22.26 | +12 28 09.1 | 658 |
| 1993 UC | 1994 07 04.24435 | 14 39 04.62 | +22 30 03.7 | 658 |
| 1993 UC | 1994 07 04.25153 | 14 39 04.99 | +22 29 54.8 | 658 |
| 1993 UC | 1994 07 04.25495 | 14 39 05.20 | +22 29 50.6 | 658 |
| 1994 AH ₂ | 1994 07 02.27834 | 18 03 50.19 | +19 02 34.5 | 658 |
| 1994 AH ₂ | 1994 07 02.28015 | 18 03 50.19 | +19 02 24.4 | 658 |
| 1994 AH ₂ | 1994 07 02.28199 | 18 03 50.18 | +19 02 14.9 | 658 |
| 1994 JD | 1994 07 04.25917 | 14 53 59.32 | +02 18 35.2 | 658 |
| 1994 JD | 1994 07 04.26184 | 14 53 59.33 | +02 18 31.9 | 658 |
| 1994 JD | 1994 07 04.26774 | 14 53 59.34 | +02 18 25.1 | 658 |
| 1994 LW | 1994 07 09.22909 | 15 42 50.89 | +23 15 23.2 | 658 |
| 1994 LW | 1994 07 09.23116 | 15 42 51.09 | +23 15 28.0 | 658 |
| (5261) | 1994 07 09.41953 | 23 58 26.54 | +33 24 40.9 | 658 |
| (5261) | 1994 07 09.42207 | 23 58 26.82 | +33 24 45.0 | 658 |
| (5261) | 1994 07 09.42462 | 23 58 27.13 | +33 24 49.3 | 658 |

675 Palomar

E. Helin, MS 183-501, Jet Propulsion Laboratory, Pasadena, CA 91109, U.S.A. (2)

C. Shoemaker, P.O. Box 984, Flagstaff, AZ 86002, U.S.A. (3)

C. J. van Houten, Sterrewacht Leiden, Postbus 9513, NL-2300 RA Leiden, The Netherlands (4)

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

(2, S), D. H. Levy (3, S), C. S. Shoemaker (3, S), E. M. Shoemaker (3, S), T. B. Spahr (3, S), K. Yau (2, S)

Measurers J. Alu (2), J. B. Child (2), K. Lawrence (2), J. E. Rogers (2),

C. S. Shoemaker (3), T. B. Spahr (3), C. J. van Houten (4), I. van Houten-Groeneveld (4), A. Wisse (4)

| | | | | |
|---------|------------------|-------------|-------------|--------------|
| 1934 RB | 1994 04 14.41388 | 13 54 09.85 | -03 35 46.1 | 2 675 |
| 1934 RB | 1994 04 14.43611 | 13 54 08.58 | -03 35 35.4 | 2 675 |
| 1934 RB | 1994 04 15.32413 | 13 53 20.45 | -03 27 44.7 | 15.2 V 2 675 |
| 1934 RB | 1994 04 15.35243 | 13 53 18.82 | -03 27 32.0 | 14.0 V 2 675 |
| 1948 AG | 1994 06 04.40365 | 18 07 55.19 | -02 35 51.7 | 3 675 |
| 1948 AG | 1994 06 04.44931 | 18 07 51.72 | -02 36 23.1 | 3 675 |
| 1948 AG | 1994 07 04.26111 | 17 28 39.21 | -10 23 55.9 | 16.0 2 675 |
| 1948 AG | 1994 07 04.29236 | 17 28 36.97 | -10 24 30.6 | 2 675 |
| 1948 AG | 1994 07 07.21389 | 17 25 16.54 | -11 17 31.8 | 2 675 |
| 1948 AG | 1994 07 07.24514 | 17 25 14.43 | -11 18 06.3 | 2 675 |
| 1981 FT | 1994 04 14.41388 | 13 52 36.00 | -06 48 10.5 | 2 675 |

| | | | | | | | | | | | |
|----------------------|------------------|-------------|-------------|--------|-------|-----------------------|--------------------|-------------|-------------|--------|-------|
| 1981 FT | 1994 04 14.43611 | 13 52 34.54 | -06 48 06.0 | | 2 675 | 1991 RZ ₁ | 1994 06 10.20625 | 14 26 57.80 | +17 57 51.9 | | 2 675 |
| 1981 FT | 1994 04 15.32413 | 13 51 39.80 | -06 45 07.6 | 15.8 V | 2 675 | 1992 WY ₄ | 1994 06 09.42604 | 19 38 50.48 | -15 42 32.8 | 16.5 | 2 675 |
| 1981 FT | 1994 04 15.35243 | 13 51 38.04 | -06 45 00.6 | 15.8 V | 2 675 | 1992 WY ₄ | 1994 06 09.45052 | 19 38 49.16 | -15 42 20.8 | | 2 675 |
| 1986 EN | 1994 06 02.31997 | 17 22 20.42 | +19 54 49.5 | | 3 675 | 1992 WY ₄ | 1994 06 12.42951 | 19 36 21.25 | -15 11 56.6 | | 2 675 |
| 1986 EN | 1994 06 02.35208 | 17 22 18.67 | +19 54 48.0 | | 3 675 | 1992 WY ₄ | 1994 06 12.45208 | 19 36 19.91 | -15 11 45.6 | | 2 675 |
| 1986 EN | 1994 06 04.39618 | 17 20 31.95 | +19 52 52.0 | | 3 675 | 1993 VW | 1994 06 11.33958 | 16 17 30.36 | -09 54 42.7 | 16.5 | 2 675 |
| 1986 EN | 1994 06 04.44219 | 17 20 29.44 | +19 52 47.8 | | 3 675 | 1993 VW | 1994 06 13.19618 | 16 15 55.78 | -09 44 04.0 | | 2 675 |
| 1986 PF | 1994 06 10.29844 | 17 09 13.70 | -20 52 48.8 | 15.5 | 2 675 | 1993 VW | 1994 06 13.22066 | 16 15 54.35 | -09 43 57.9 | | 2 675 |
| 1986 PF | 1994 06 10.32274 | 17 09 12.22 | -20 52 42.4 | | 2 675 | 1994 GF | 1994 04 14.41388 | 13 51 45.63 | -04 00 09.0 | 15.6 V | 2 675 |
| 1986 PF | 1994 06 13.24497 | 17 06 26.55 | -20 42 36.5 | | 2 675 | 1994 GF | 1994 04 14.43611 | 13 51 44.27 | -04 00 00.8 | 16.3 V | 2 675 |
| 1986 PF | 1994 06 13.26927 | 17 06 25.15 | -20 42 31.4 | | 2 675 | 1994 GF | 1994 04 15.32413 | 13 50 52.80 | -03 55 13.3 | 16.5 V | 2 675 |
| 1987 SH ₃ | 1994 05 10.32188 | 14 37 37.84 | +11 29 06.0 | | 3 675 | 1994 GF | 1994 04 15.35243 | 13 50 51.05 | -03 55 05.4 | 16.9 V | 2 675 |
| 1987 SH ₃ | 1994 05 10.35347 | 14 37 35.95 | +11 29 29.2 | | 3 675 | 1994 GR | 1994 04 14.41388 | 14 13 59.09 | -02 26 45.5 | | 2 675 |
| 1987 SH ₃ | 1994 05 14.23646 | 14 34 01.49 | +12 18 22.3 | | 3 675 | 1994 GR | 1994 04 14.43611 | 14 13 57.95 | -02 26 39.5 | | 2 675 |
| 1987 SH ₃ | 1994 05 14.26458 | 14 33 59.86 | +12 18 41.2 | | 3 675 | 1994 GR | 1994 04 15.32413 | 14 13 12.69 | -02 22 16.5 | 15.5 V | 2 675 |
| 1987 SH ₃ | 1994 06 04.18264 | 14 20 54.01 | +14 28 18.4 | | 3 675 | 1994 GR | 1994 04 15.35243 | 14 13 11.14 | -02 22 07.7 | 15.9 V | 2 675 |
| 1987 SH ₃ | 1994 06 04.22326 | 14 20 53.03 | +14 28 21.6 | | 3 675 | 1994 GT | 1994 04 14.41388 | 13 48 56.75 | -06 55 11.6 | 16.2 V | 2 675 |
| 1987 SH ₃ | 1994 06 06.18212 | 14 20 18.77 | +14 30 09.5 | | 3 675 | 1994 GT | 1994 04 14.43611 | 13 48 55.66 | -06 55 07.9 | 16.5 V | 2 675 |
| 1987 SH ₃ | 1994 06 06.21684 | 14 20 18.08 | +14 30 11.0 | 17.6 | 3 675 | 1994 GT | 1994 04 15.32413 | 13 48 13.24 | -06 52 04.2 | 16.6 V | 2 675 |
| 1987 UZ ₁ | 1994 05 13.36927 | 16 18 27.60 | -08 18 20.1 | 17 | 3 675 | 1994 GT | 1994 04 15.35243 | 13 48 11.83 | -06 51 59.9 | 16.5 V | 2 675 |
| 1987 UZ ₁ | 1994 05 13.40087 | 16 18 25.30 | -08 17 43.2 | | 3 675 | 1994 GH ₁₀ | * 1994 04 14.41388 | 13 51 55.79 | -08 10 31.8 | | 2 675 |
| 1988 BX | 1994 07 07.41319 | 21 04 17.89 | -10 28 37.5 | 16.5 | 2 675 | 1994 GH ₁₀ | 1994 04 14.43611 | 13 51 54.78 | -08 10 29.0 | | 2 675 |
| 1988 BX | 1994 07 07.43941 | 21 04 16.32 | -10 28 14.7 | | 2 675 | 1994 GH ₁₀ | 1994 04 15.32413 | 13 51 10.50 | -08 08 41.6 | 17.5 V | 2 675 |
| 1988 BX | 1994 07 08.42135 | 21 03 13.48 | -10 16 05.6 | | 2 675 | 1994 GH ₁₀ | 1994 04 15.35243 | 13 51 09.10 | -08 08 38.7 | 16.9 V | 2 675 |
| 1989 GJ | 1994 07 07.41319 | 21 09 23.99 | -08 05 54.1 | 16.0 | 2 675 | 1994 GJ ₁₀ | * 1994 04 14.41388 | 13 53 26.99 | -05 54 32.0 | | 2 675 |
| 1989 GJ | 1994 07 07.43941 | 21 09 23.30 | -08 06 07.4 | | 2 675 | 1994 GJ ₁₀ | 1994 04 14.43611 | 13 53 25.68 | -05 54 23.2 | | 2 675 |
| 1989 GJ | 1994 07 08.42135 | 21 09 00.81 | -08 13 29.1 | | 2 675 | 1994 GJ ₁₀ | 1994 04 15.32413 | 13 52 37.07 | -05 48 14.7 | 16.1 V | 2 675 |
| 1990 DK ₃ | 1994 04 14.41388 | 13 56 53.91 | -08 34 29.9 | | 2 675 | 1994 GJ ₁₀ | 1994 04 15.35243 | 13 52 35.41 | -05 48 02.9 | 15.7 V | 2 675 |
| 1990 DK ₃ | 1994 04 14.43611 | 13 56 52.74 | -08 34 20.7 | | 2 675 | 1994 GK ₁₀ | * 1994 04 14.41388 | 13 54 30.11 | -06 14 35.4 | | 2 675 |
| 1990 FL | 1994 06 11.38611 | 17 30 09.14 | +20 51 14.5 | 16.0 | 2 675 | 1994 GK ₁₀ | 1994 04 14.43611 | 13 54 28.53 | -06 14 29.7 | | 2 675 |
| 1990 FL | 1994 06 11.41545 | 17 30 07.40 | +20 51 08.9 | | 2 675 | 1994 GK ₁₀ | 1994 04 15.32413 | 13 53 31.22 | -06 10 49.6 | 17.3 V | 2 675 |
| 1990 FL | 1994 06 13.30000 | 17 28 27.28 | +20 45 25.9 | | 2 675 | 1994 GK ₁₀ | 1994 04 15.35243 | 13 53 29.40 | -06 10 43.1 | 16.8 V | 2 675 |
| 1990 FL | 1994 06 13.32934 | 17 28 25.71 | +20 45 18.5 | | 2 675 | 1994 GL ₁₀ | * 1994 04 14.41388 | 13 54 30.19 | -05 07 43.8 | | 2 675 |
| 1990 FR | 1994 06 09.19184 | 11 13 17.58 | +21 19 18.4 | 16.5 | 2 675 | 1994 GL ₁₀ | 1994 04 14.43611 | 13 54 28.82 | -05 07 39.4 | | 2 675 |
| 1990 FR | 1994 06 09.21858 | 11 13 20.45 | +21 18 53.6 | | 2 675 | 1994 GL ₁₀ | 1994 04 15.32413 | 13 53 33.19 | -05 04 24.1 | 16.4 V | 2 675 |
| 1990 FR | 1994 06 11.18628 | 11 17 01.76 | +20 48 42.7 | | 2 675 | 1994 GL ₁₀ | 1994 04 15.35243 | 13 53 31.30 | -05 04 17.7 | 16.8 V | 2 675 |
| 1990 FR | 1994 06 11.21042 | 11 17 04.66 | +20 48 20.7 | | 2 675 | 1994 GM ₁₀ | * 1994 04 14.41388 | 13 55 32.87 | -05 07 22.6 | 17.1 V | 2 675 |
| 1990 KG | 1994 06 10.18611 | 12 12 54.71 | +20 13 08.8 | 17.0 | 2 675 | 1994 GM ₁₀ | 1994 04 14.43611 | 13 55 31.75 | -05 07 15.6 | 16.7 V | 2 675 |
| 1990 KG | 1994 06 10.21250 | 12 12 56.35 | +20 12 47.1 | | 2 675 | 1994 GM ₁₀ | 1994 04 15.32413 | 13 54 46.12 | -05 03 14.2 | 17.4 V | 2 675 |
| 1990 KG | 1994 06 12.20000 | 12 14 51.42 | +19 45 16.3 | | 2 675 | 1994 GM ₁₀ | 1994 04 15.35243 | 13 54 44.51 | -05 03 07.7 | 16.8 V | 2 675 |
| 1990 KG | 1994 06 12.23403 | 12 14 53.30 | +19 44 47.4 | | 2 675 | 1994 GN ₁₀ | * 1994 04 14.41388 | 13 55 44.20 | -07 25 28.0 | | 2 675 |
| 1990 OB | 1994 06 12.32170 | 16 03 25.43 | -02 30 05.3 | 16.5 | 2 675 | 1994 GN ₁₀ | 1994 04 14.43611 | 13 55 43.14 | -07 25 21.8 | | 2 675 |
| 1990 OB | 1994 06 12.34479 | 16 03 24.34 | -02 30 06.1 | | 2 675 | 1994 GN ₁₀ | 1994 04 15.32413 | 13 54 59.35 | -07 20 42.1 | 16.3 V | 2 675 |
| 1990 OD | 1994 06 09.35156 | 16 41 49.31 | -13 16 59.2 | 16.0 | 2 675 | 1994 GN ₁₀ | 1994 04 15.35243 | 13 54 57.76 | -07 20 33.9 | 16.6 V | 2 675 |
| 1990 OD | 1994 06 09.37951 | 16 41 47.92 | -13 16 44.7 | | 2 675 | 1994 GO ₁₀ | * 1994 04 14.41388 | 13 56 04.81 | -03 45 15.0 | | 2 675 |
| 1990 OD | 1994 06 12.36788 | 16 39 20.07 | -12 49 21.2 | | 2 675 | 1994 GO ₁₀ | 1994 04 15.32413 | 13 55 29.49 | -03 38 29.1 | 16.8 V | 2 675 |
| 1990 OD | 1994 06 12.39358 | 16 39 18.74 | -12 49 05.3 | | 2 675 | 1994 GO ₁₀ | 1994 04 15.35243 | 13 55 28.39 | -03 38 21.9 | 16.3 V | 2 675 |
| 1991 RW | 1994 06 09.34479 | 15 57 19.38 | +18 29 00.6 | 16.5 | 2 675 | 1994 GP ₁₀ | * 1994 04 14.41388 | 13 58 47.96 | -07 33 57.5 | | 2 675 |
| 1991 RW | 1994 06 09.37257 | 15 57 18.05 | +18 28 56.8 | | 2 675 | 1994 GP ₁₀ | 1994 04 14.43611 | 13 58 46.87 | -07 33 48.3 | | 2 675 |
| 1991 RW | 1994 06 12.28646 | 15 55 08.81 | +18 23 18.8 | | 2 675 | 1994 GP ₁₀ | 1994 04 15.32413 | 13 58 08.78 | -07 27 43.8 | 16.0 V | 2 675 |
| 1991 RW | 1994 06 12.31510 | 15 55 07.42 | +18 23 15.9 | | 2 675 | 1994 GP ₁₀ | 1994 04 15.35243 | 13 58 07.53 | -07 27 33.0 | 16.6 V | 2 675 |
| 1991 RZ ₁ | 1994 06 09.25747 | 14 26 56.46 | +17 58 42.4 | 16.0 | 2 675 | 1994 GQ ₁₀ | * 1994 04 14.41388 | 14 00 04.48 | -09 34 24.4 | 15.7 V | 2 675 |

| | | | | | | | | | | | |
|-----------------------|--------------------|-------------|-------------|--------|-------|----------------------|--------------------|-------------|-------------|------|-------|
| 1994 GQ ₁₀ | 1994 04 14.43611 | 14 00 03.44 | -09 34 08.4 | 15.8 V | 2 675 | 1994 LW | 1994 06 10.22587 | 15 16 26.32 | -02 57 41.1 | | 2 675 |
| 1994 GQ ₁₀ | 1994 04 15.32413 | 13 59 24.30 | -09 23 48.1 | 16.3 V | 2 675 | 1994 LW | 1994 06 12.22760 | 15 16 52.38 | -00 47 49.8 | | 2 675 |
| 1994 GQ ₁₀ | 1994 04 15.35243 | 13 59 22.80 | -09 23 29.9 | 15.5 V | 2 675 | 1994 LW | 1994 06 12.25417 | 15 16 52.68 | -00 46 06.1 | | 2 675 |
| 1994 GR ₁₀ | * 1994 04 14.41388 | 14 00 21.75 | -05 48 16.7 | | 2 675 | 1994 LX | 1994 07 05.38958 | 20 29 14.57 | -20 03 43.7 | 16.0 | 2 675 |
| 1994 GR ₁₀ | 1994 04 14.43611 | 14 00 20.35 | -05 48 13.1 | | 2 675 | 1994 LX | 1994 07 05.42326 | 20 29 10.63 | -20 05 04.5 | | 2 675 |
| 1994 GR ₁₀ | 1994 04 15.32413 | 13 59 25.89 | -05 45 48.6 | 17.8 V | 2 675 | 1994 LX | 1994 07 07.40660 | 20 25 20.55 | -21 25 52.9 | | 2 675 |
| 1994 GR ₁₀ | 1994 04 15.35243 | 13 59 23.92 | -05 45 45.2 | 17.1 V | 2 675 | 1994 LX | 1994 07 07.43316 | 20 25 17.18 | -21 26 57.5 | | 2 675 |
| 1994 GS ₁₀ | * 1994 04 14.41388 | 14 05 18.71 | -06 36 23.1 | | 2 675 | 1994 LY | * 1994 06 11.38611 | 17 36 58.83 | +21 54 53.2 | 16.0 | 2 675 |
| 1994 GS ₁₀ | 1994 04 14.43611 | 14 05 17.58 | -06 36 18.7 | | 2 675 | 1994 LY | 1994 06 11.41545 | 17 36 56.93 | +21 55 09.0 | | 2 675 |
| 1994 GS ₁₀ | 1994 04 15.32413 | 14 04 31.02 | -06 32 17.5 | 17.1 V | 2 675 | 1994 LY | 1994 06 13.30000 | 17 34 56.84 | +22 11 41.0 | | 2 675 |
| 1994 GS ₁₀ | 1994 04 15.35243 | 14 04 29.69 | -06 32 08.5 | 16.7 V | 2 675 | 1994 LY | 1994 06 13.32934 | 17 34 54.79 | +22 11 55.4 | | 2 675 |
| 1994 GT ₁₀ | * 1994 04 14.41388 | 14 10 36.71 | -05 51 49.0 | | 2 675 | 1994 LZ | 1994 06 10.34549 | 17 19 46.56 | -08 57 27.5 | 16.5 | 2 675 |
| 1994 GT ₁₀ | 1994 04 14.43611 | 14 10 35.44 | -05 51 44.5 | | 2 675 | 1994 LZ | 1994 06 10.36962 | 17 19 44.77 | -08 57 44.7 | | 2 675 |
| 1994 GT ₁₀ | 1994 04 15.32413 | 14 09 47.22 | -05 47 57.9 | 16.9 V | 2 675 | 1994 LZ | * 1994 06 11.34497 | 17 18 27.06 | -09 12 57.2 | 16.5 | 2 675 |
| 1994 GT ₁₀ | 1994 04 15.35243 | 14 09 45.71 | -05 47 48.5 | 16.5 V | 2 675 | 1994 LZ | 1994 06 11.36771 | 17 18 24.95 | -09 13 18.4 | | 2 675 |
| 1994 GU ₁₀ | * 1994 04 14.41388 | 14 11 28.11 | -02 26 01.3 | | 2 675 | 1994 LZ | 1994 06 13.25122 | 17 15 53.03 | -09 43 23.3 | | 2 675 |
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| 1994 GU ₁₀ | 1994 04 15.35243 | 14 10 48.83 | -02 19 26.7 | 17.4 V | 2 675 | 1994 LZ | 1994 06 13.32361 | 17 15 46.95 | -09 44 35.7 | | 2 675 |
| 1994 GV ₁₀ | * 1994 04 14.41388 | 14 13 44.62 | -02 34 14.6 | 16.5 V | 2 675 | 1994 LA ₁ | 1994 06 02.31997 | 17 15 03.39 | +17 42 57.9 | | 3 675 |
| 1994 GV ₁₀ | 1994 04 14.43611 | 14 13 43.29 | -02 34 14.7 | | 2 675 | 1994 LA ₁ | 1994 06 02.35208 | 17 15 01.87 | +17 42 54.4 | | 3 675 |
| 1994 GV ₁₀ | 1994 04 15.32413 | 14 12 48.27 | -02 34 21.6 | 16.9 V | 2 675 | 1994 LA ₁ | 1994 06 04.39618 | 17 13 28.14 | +17 37 22.2 | | 3 675 |
| 1994 GV ₁₀ | 1994 04 15.35243 | 14 12 46.59 | -02 34 23.3 | 17.1 V | 2 675 | 1994 LA ₁ | 1994 06 04.44129 | 17 13 25.94 | +17 37 13.0 | | 3 675 |
| 1994 GW ₁₀ | * 1994 04 14.41388 | 14 13 46.81 | -04 51 20.9 | | 2 675 | 1994 LB ₁ | * 1994 06 09.40972 | 18 06 00.37 | -09 49 44.9 | 16.0 | 2 675 |
| 1994 GW ₁₀ | 1994 04 14.43611 | 14 13 45.56 | -04 51 19.8 | | 2 675 | 1994 LB ₁ | 1994 06 09.43889 | 18 05 58.75 | -09 49 36.3 | | 2 675 |
| 1994 GW ₁₀ | 1994 04 15.32413 | 14 12 53.18 | -04 50 23.5 | 16.5 V | 2 675 | 1994 LB ₁ | 1994 06 12.41875 | 18 03 12.52 | -09 38 17.0 | | 2 675 |
| 1994 GW ₁₀ | 1994 04 15.35243 | 14 12 51.40 | -04 50 19.7 | 16.3 V | 2 675 | 1994 LB ₁ | 1994 06 12.44063 | 18 03 11.50 | -09 38 12.1 | | 2 675 |
| 1994 GX ₁₀ | * 1994 04 14.41388 | 14 14 43.12 | -08 07 48.8 | | 2 675 | 1994 LG ₁ | * 1994 06 09.30573 | 15 41 17.32 | -12 40 35.2 | 16.0 | 2 675 |
| 1994 GX ₁₀ | 1994 04 14.43611 | 14 14 41.84 | -08 07 51.0 | | 2 675 | 1994 LG ₁ | 1994 06 09.33142 | 15 41 16.04 | -12 40 42.0 | | 2 675 |
| 1994 GX ₁₀ | 1994 04 15.32413 | 14 13 56.45 | -08 07 08.6 | 16.9 V | 2 675 | 1994 LG ₁ | 1994 06 12.27917 | 15 39 09.25 | -12 52 26.6 | | 2 675 |
| 1994 GX ₁₀ | 1994 04 15.35243 | 14 13 54.94 | -08 07 04.8 | 17.5 V | 2 675 | 1994 LG ₁ | 1994 06 12.30816 | 15 39 07.82 | -12 52 34.0 | | 2 675 |
| 1994 GY ₁₀ | * 1994 04 14.41388 | 14 17 32.55 | -07 59 37.9 | | 2 675 | 1994 LH ₁ | * 1994 06 09.30573 | 15 42 03.76 | -13 25 18.7 | 17.0 | 2 675 |
| 1994 GY ₁₀ | 1994 04 14.43611 | 14 17 31.25 | -07 59 38.0 | | 2 675 | 1994 LH ₁ | 1994 06 09.33142 | 15 42 02.30 | -13 25 08.5 | | 2 675 |
| 1994 GY ₁₀ | 1994 04 15.32413 | 14 16 42.76 | -07 59 25.6 | 16.9 V | 2 675 | 1994 LH ₁ | 1994 06 12.27917 | 15 39 38.90 | -13 04 18.0 | | 2 675 |
| 1994 GY ₁₀ | 1994 04 15.35243 | 14 16 41.11 | -07 59 26.6 | 16.2 V | 2 675 | 1994 LH ₁ | 1994 06 12.30816 | 15 39 37.39 | -13 04 06.5 | | 2 675 |
| 1994 JD | 1994 06 03.19809 | 15 09 42.94 | +11 42 43.9 | | 3 675 | 1994 LJ ₁ | * 1994 06 09.30573 | 16 03 27.47 | -14 54 52.9 | 16.0 | 2 675 |
| 1994 JD | 1994 06 03.23767 | 15 09 40.26 | +11 42 07.4 | 17.5 | 3 675 | 1994 LJ ₁ | 1994 06 09.33142 | 16 03 26.00 | -14 54 59.4 | | 2 675 |
| 1994 JR | 1994 06 09.24635 | 13 54 00.47 | +02 50 04.8 | 16.5 | 2 675 | 1994 LJ ₁ | 1994 06 12.27917 | 16 00 53.95 | -15 07 55.4 | | 2 675 |
| 1994 JR | 1994 06 09.27222 | 13 54 00.14 | +02 49 49.4 | | 2 675 | 1994 LJ ₁ | 1994 06 12.30816 | 16 00 52.39 | -15 08 03.7 | | 2 675 |
| 1994 JR | 1994 06 11.20469 | 13 53 43.43 | +02 30 15.7 | | 2 675 | 1994 LK ₁ | * 1994 06 09.40156 | 17 34 35.35 | -02 26 30.2 | 15.5 | 2 675 |
| 1994 JR | 1994 06 11.22691 | 13 53 43.04 | +02 30 01.1 | | 2 675 | 1994 LK ₁ | 1994 06 09.43299 | 17 34 33.37 | -02 26 36.3 | | 2 675 |
| 1994 JF ₁ | 1994 06 02.24444 | 15 11 14.45 | -07 12 21.9 | 18 | 3 675 | 1994 LK ₁ | 1994 06 12.38715 | 17 31 49.59 | -02 37 27.5 | | 2 675 |
| 1994 JF ₁ | 1994 06 02.27795 | 15 11 14.33 | -07 12 32.7 | | 3 675 | 1994 LK ₁ | 1994 06 12.41233 | 17 31 48.14 | -02 37 34.2 | | 2 675 |
| 1994 JF ₁ | 1994 06 04.26180 | 15 11 32.27 | -07 24 25.2 | | 3 675 | 1994 LL ₁ | * 1994 06 04.18264 | 14 18 23.26 | +16 05 26.2 | | 3 675 |
| 1994 JF ₁ | 1994 06 04.29618 | 15 11 32.40 | -07 24 38.6 | | 3 675 | 1994 LL ₁ | 1994 06 04.22326 | 14 18 21.83 | +16 05 10.6 | 17.5 | 3 675 |
| 1994 JF ₁ | 1994 06 07.21180 | 15 12 16.78 | -07 45 21.5 | | 3 675 | 1994 LL ₁ | 1994 06 06.18212 | 14 17 23.17 | +15 52 57.5 | | 3 675 |
| 1994 JF ₁ | 1994 06 07.25381 | 15 12 17.14 | -07 45 41.3 | | 3 675 | 1994 LL ₁ | 1994 06 06.21684 | 14 17 22.18 | +15 52 43.3 | | 3 675 |
| 1994 JS ₁ | 1994 06 03.26806 | 17 05 53.02 | +15 15 19.2 | | 3 675 | 1994 LM ₁ | * 1994 06 09.34479 | 15 53 40.08 | +17 09 29.0 | 17.0 | 2 675 |
| 1994 JS ₁ | 1994 06 03.29583 | 17 05 51.55 | +15 15 18.4 | | 3 675 | 1994 LM ₁ | 1994 06 09.37257 | 15 53 38.31 | +17 09 10.6 | | 2 675 |
| 1994 LL | 1994 06 02.31997 | 17 29 48.49 | +16 51 25.2 | | 3 675 | 1994 LM ₁ | 1994 06 12.28646 | 15 50 59.65 | +16 35 04.2 | | 2 675 |
| 1994 LL | 1994 06 02.35208 | 17 29 46.94 | +16 51 27.8 | | 3 675 | 1994 LM ₁ | 1994 06 12.31510 | 15 50 57.77 | +16 34 44.5 | | 2 675 |
| 1994 LW | 1994 06 10.20000 | 15 16 26.44 | -02 59 24.3 | 16.0 | 2 675 | 1994 LZ ₂ | * 1994 06 09.26476 | 14 40 22.88 | -04 14 15.4 | 16.5 | 2 675 |

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|----------------------|--------------------|-------------|-------------|------|-------|----------|--------------------|-------------|-------------|--------|-------|
| 1994 LZ ₂ | 1994 06 09.28715 | 14 40 22.17 | -04 14 28.6 | | 2 675 | 6513 P-L | 1960 09 28.33822 | 23 51 01.52 | -01 59 26.9 | | 4 675 |
| 1994 LZ ₂ | 1994 06 11.24722 | 14 39 26.21 | -04 33 28.2 | | 2 675 | 6513 P-L | 1960 10 17.21390 | 23 35 05.86 | -02 11 45.3 | | 4 675 |
| 1994 LZ ₂ | 1994 06 11.27292 | 14 39 25.48 | -04 33 43.7 | | 2 675 | 6513 P-L | 1960 10 22.15559 | 23 32 08.52 | -02 09 26.1 | | 4 675 |
| 1994 LB ₃ | * 1994 06 10.25729 | 16 09 36.74 | -01 56 23.6 | 16.5 | 2 675 | 6513 P-L | 1960 10 24.18787 | 23 31 06.27 | -02 07 41.3 | | 4 675 |
| 1994 LB ₃ | 1994 06 10.28003 | 16 09 35.72 | -01 56 19.4 | | 2 675 | 6513 P-L | 1960 10 26.26113 | 23 30 09.17 | -02 05 25.6 | | 4 675 |
| 1994 LB ₃ | 1994 06 12.32170 | 16 07 48.55 | -01 58 03.4 | | 2 675 | 3187 T-2 | 1973 09 19.21250 | 00 24 34.59 | -01 08 26.0 | | 4 675 |
| 1994 LB ₃ | 1994 06 12.34479 | 16 07 47.34 | -01 58 08.2 | | 2 675 | 3187 T-2 | 1973 09 19.22500 | 00 24 33.79 | -01 08 28.4 | | 4 675 |
| 1994 LC ₃ | * 1994 06 10.25729 | 16 11 29.85 | -03 55 48.7 | 16.5 | 2 675 | 3187 T-2 | 1973 09 19.26354 | 00 24 31.63 | -01 08 32.7 | | 4 675 |
| 1994 LC ₃ | 1994 06 10.28003 | 16 11 28.80 | -03 55 49.4 | | 2 675 | 3187 T-2 | 1973 09 19.27865 | 00 24 30.61 | -01 08 36.0 | | 4 675 |
| 1994 LC ₃ | 1994 06 12.32170 | 16 10 07.66 | -03 58 29.1 | | 2 675 | 3187 T-2 | 1973 09 20.27795 | 00 23 32.65 | -01 11 03.2 | | 4 675 |
| 1994 LC ₃ | 1994 06 12.34479 | 16 10 06.75 | -03 58 34.5 | | 2 675 | 3187 T-2 | 1973 09 24.37431 | 00 19 29.16 | -01 20 58.6 | | 4 675 |
| 1994 LD ₃ | * 1994 06 09.36563 | 17 00 28.05 | -04 41 54.4 | 16.5 | 2 675 | 3187 T-2 | 1973 09 24.44167 | 00 19 24.91 | -01 21 07.3 | | 4 675 |
| 1994 LD ₃ | 1994 06 09.39253 | 17 00 25.89 | -04 42 13.1 | | 2 675 | 3187 T-2 | 1973 09 25.26875 | 00 18 35.48 | -01 23 07.4 | | 4 675 |
| 1994 LD ₃ | 1994 06 12.37431 | 16 56 25.85 | -05 18 45.1 | | 2 675 | 3187 T-2 | 1973 09 25.33299 | 00 18 31.41 | -01 23 16.1 | | 4 675 |
| 1994 LD ₃ | 1994 06 12.40035 | 16 56 23.52 | -05 19 05.6 | | 2 675 | 3187 T-2 | 1973 09 29.27986 | 00 14 32.42 | -01 32 18.8 | | 4 675 |
| 1994 LE ₃ | * 1994 06 05.36180 | 18 05 37.21 | +17 14 02.1 | 17.2 | 3 675 | 3187 T-2 | 1973 09 29.34375 | 00 14 28.34 | -01 32 27.6 | | 4 675 |
| 1994 LE ₃ | 1994 06 05.39131 | 18 05 35.61 | +17 14 26.1 | | 3 675 | 3187 T-2 | 1973 09 30.23524 | 00 13 34.74 | -01 34 24.4 | | 4 675 |
| 1994 LE ₃ | 1994 06 06.37569 | 18 04 42.93 | +17 28 03.1 | | 3 675 | 3187 T-2 | * 1973 09 30.30174 | 00 13 30.62 | -01 34 32.5 | 17.6 | 4 675 |
| 1994 LE ₃ | 1994 06 07.39826 | 18 03 46.56 | +17 41 40.6 | | 3 675 | 3187 T-2 | 1973 10 04.31493 | 00 09 31.14 | -01 42 34.3 | | 4 675 |
| 1994 LE ₃ | 1994 06 07.43298 | 18 03 44.57 | +17 42 07.9 | | 3 675 | 3187 T-2 | 1973 10 04.37674 | 00 09 27.51 | -01 42 39.8 | | 4 675 |
| 1994 NB | * 1994 07 03.21163 | 16 01 06.28 | +13 21 50.5 | 15.0 | 2 675 | 3187 T-2 | 1973 10 05.34167 | 00 08 31.20 | -01 44 23.9 | | 4 675 |
| 1994 NB | 1994 07 03.23472 | 16 01 06.33 | +13 21 12.4 | | 2 675 | 3187 T-2 | 1973 10 05.40347 | 00 08 27.52 | -01 44 29.8 | | 4 675 |
| 1994 NB | 1994 07 04.20156 | 16 01 08.53 | +12 55 01.9 | | 2 675 | 3149 T-3 | 1977 10 07.27031 | 01 31 17.35 | +07 55 19.6 | | 4 675 |
| 1994 ND | 1994 07 06.32482 | 21 26 23.72 | -34 34 59.2 | 15 | 2 675 | 3149 T-3 | 1977 10 11.28819 | 01 27 37.46 | +07 28 44.7 | | 4 675 |
| 1994 ND | 1994 07 06.34826 | 21 26 37.20 | -34 39 18.9 | | 2 675 | 3149 T-3 | 1977 10 11.35642 | 01 27 33.47 | +07 28 17.0 | | 4 675 |
| 1994 NE | * 1994 07 04.36753 | 19 37 10.25 | +04 15 21.1 | 14 | 2 675 | 3149 T-3 | 1977 10 12.28681 | 01 26 41.52 | +07 21 59.5 | | 4 675 |
| 1994 NE | 1994 07 04.37170 | 19 37 12.91 | +04 14 10.1 | | 2 675 | 3149 T-3 | 1977 10 12.35347 | 01 26 37.53 | +07 21 33.2 | | 4 675 |
| 1994 NE | 1994 07 04.39114 | 19 37 24.55 | +04 08 39.5 | | 2 675 | 3149 T-3 | * 1977 10 16.27309 | 01 22 54.75 | +06 54 52.5 | 19.2 | 4 675 |
| 1994 NE | 1994 07 04.39531 | 19 37 27.14 | +04 07 35.6 | | 2 675 | 3149 T-3 | 1977 10 16.33872 | 01 22 50.79 | +06 54 26.5 | | 4 675 |
| 1994 NE | 1994 07 05.28490 | 19 50 04.51 | -01 09 25.5 | | 2 675 | 3149 T-3 | 1977 10 17.27552 | 01 21 57.30 | +06 48 06.4 | | 4 675 |
| 1994 NE | 1994 07 05.28976 | 19 50 09.24 | -01 11 22.1 | | 2 675 | 3149 T-3 | 1977 10 17.34236 | 01 21 53.29 | +06 47 37.9 | | 4 675 |
| 1994 NE | 1994 07 05.31406 | 19 50 33.34 | -01 22 31.6 | | 2 675 | 3149 T-3 | 1977 10 21.39792 | 01 18 02.68 | +06 20 19.5 | | 4 675 |
| 1994 NE | 1994 07 05.31892 | 19 50 37.98 | -01 24 43.2 | | 2 675 | 3149 T-3 | 1977 10 21.45799 | 01 17 59.25 | +06 19 56.3 | | 4 675 |
| 1994 NE | 1994 07 05.44462 | 19 52 48.47 | -02 24 19.5 | | 2 675 | 3149 T-3 | 1977 10 22.39844 | 01 17 06.80 | +06 13 42.7 | | 4 675 |
| 1994 NE | 1994 07 05.44740 | 19 52 51.38 | -02 25 37.2 | | 2 675 | 3149 T-3 | 1977 10 22.45920 | 01 17 03.19 | +06 13 18.7 | | 4 675 |
| 1994 NE | 1994 07 06.23490 | 20 13 01.65 | -10 43 36.3 | | 2 675 | (317) | 1994 04 15.32413 | 14 00 51.55 | -09 36 06.9 | 14.4 V | 2 675 |
| 1994 NE | 1994 07 06.23906 | 20 13 09.64 | -10 46 53.2 | | 2 675 | (317) | 1994 04 15.35243 | 14 00 49.97 | -09 35 57.0 | 13.9 V | 2 675 |
| 1994 NE | 1994 07 06.26927 | 20 14 07.20 | -11 11 33.2 | | 2 675 | (767) | 1994 04 14.41388 | 13 55 55.35 | -09 00 39.3 | | 2 675 |
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| 1994 NE | 1994 07 06.46944 | 20 21 02.68 | -14 07 24.3 | | 2 675 | (767) | 1994 04 15.32413 | 13 55 14.71 | -08 57 04.9 | 15.1 V | 2 675 |
| 1994 NE | 1994 07 06.47361 | 20 21 11.69 | -14 11 12.2 | | 2 675 | (767) | 1994 04 15.35243 | 13 55 13.48 | -08 56 58.8 | 14.3 V | 2 675 |
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691 Kitt Peak, Steward Observatory

T. Gehrels, Space Sciences Building, University of Arizona, Tucson, AZ 85721,
U.S.A.

Observers T. Gehrels, R. Jedicke, D. L. Rabinowitz, J. V. Scotti

Measurer J. V. Scotti

0.91-m Spacewatch telescope

GSC

| | | | | | | | | | | | |
|-----------------------|------------------|-------------|-------------|--------|-----|-----------------------|------------------|-------------|-------------|--------|-----|
| 1938 SX | 1994 04 15.37144 | 15 18 05.71 | -14 06 07.6 | 16.3 V | 691 | 1990 QV ₄ | 1994 06 14.30347 | 15 58 43.63 | -06 44 45.0 | 17.7 V | 691 |
| 1938 SX | 1994 04 15.40643 | 15 18 04.28 | -14 05 59.8 | | 691 | 1990 QV ₄ | 1994 06 14.32704 | 15 58 42.69 | -06 44 46.8 | | 691 |
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| 1976 GH ₂ | 1994 06 07.42781 | 21 45 38.67 | -12 17 24.2 | | 691 | 1990 SL ₂₈ | 1992 01 09.45783 | 08 23 02.95 | +20 06 03.2 | | 691 |
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| 1980 TQ ₁₄ | 1994 06 08.28716 | 15 16 26.33 | -12 33 11.2 | 18.6 V | 691 | 1991 PZ ₁₂ | 1994 06 12.23080 | 15 32 51.87 | -27 45 19.4 | 18.5 V | 691 |
| 1980 TQ ₁₄ | 1994 06 08.31107 | 15 16 25.19 | -12 33 08.6 | | 691 | 1991 PZ ₁₂ | 1994 06 12.24134 | 15 32 51.34 | -27 45 16.3 | | 691 |
| 1980 TQ ₁₄ | 1994 06 08.33459 | 15 16 24.11 | -12 33 06.0 | | 691 | 1991 RK ₂ | 1994 06 16.24784 | 15 56 01.21 | -09 13 19.1 | | 691 |
| 1981 EP ₁₃ | 1994 06 12.22390 | 15 35 33.81 | -27 41 36.7 | 16.8 V | 691 | 1991 RK ₂ | 1994 06 16.27125 | 15 56 00.08 | -09 13 18.6 | | 691 |
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| 1992 EE ₇ | 1992 02 27.38728 | 11 13 54.44 | +14 54 51.2 | 691 | 1994 LX | 1994 06 15.41763 | 20 52 26.70 | -09 20 28.5 | 16.9 V | 691 | |
| 1992 EE ₇ | 1992 02 27.40885 | 11 13 53.49 | +14 55 01.3 | 691 | 1994 LX | 1994 06 16.40860 | 20 51 53.80 | -09 44 28.5 | 17.1 V | 691 | |
| 1992 EK ₇ | 1992 02 27.36776 | 11 16 36.27 | +14 42 28.6 | 691 | 1994 LX | 1994 06 16.41611 | 20 51 53.29 | -09 44 40.4 | 16.7 V | 691 | |
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| 1992 EK ₇ | 1992 02 27.41070 | 11 16 34.12 | +14 42 39.4 | 691 | 1994 LN ₁ | * 1994 06 01.21220 | 17 13 11.57 | +05 34 15.8 | 18.6 V | 691 | |
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| 1992 EF ₈ | 1992 02 24.43587 | 10 36 11.19 | +09 31 41.3 | 691 | 1994 LN ₁ | 1994 06 02.41947 | 17 11 59.68 | +05 40 52.2 | 18.2 V | 691 | 691 |
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| 1992 EK ₈ | 1992 02 26.34465 | 10 44 57.72 | +16 10 20.1 | 691 | 1994 LO ₁ | * 1994 06 02.25889 | 16 07 55.88 | +10 44 14.8 | 17.0 V | 691 | 691 |
| 1992 EM ₈ | 1992 02 26.29530 | 10 46 23.99 | +16 10 09.1 | 691 | 1994 LO ₁ | 1994 06 02.28261 | 16 07 53.65 | +10 43 51.8 | 691 | 691 | |
| 1992 EM ₈ | 1992 02 26.32051 | 10 46 22.67 | +16 10 19.3 | 18.6 V | 691 | 1994 LO ₁ | 1994 06 02.32846 | 16 07 49.34 | +10 43 07.4 | 691 | 691 |
| 1992 EM ₈ | 1992 02 26.34561 | 10 46 21.32 | +16 10 29.0 | 691 | 1994 LO ₁ | 1994 06 03.16839 | 16 06 34.00 | +10 29 23.3 | 17.0 V | 691 | 691 |
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| 1992 SF ₁₃ | 1994 06 12.19544 | 10 11 53.08 | +09 49 14.9 | 691 | 1994 LO ₁ | 1994 06 04.38785 | 16 04 44.09 | +10 08 50.2 | 691 | 691 | |
| 1992 SF ₁₃ | 1994 06 12.20317 | 10 11 53.69 | +09 49 12.0 | 691 | 1994 LP ₁ | * 1994 06 02.36264 | 16 21 14.96 | +10 16 59.5 | 19.2 V | 691 | 691 |
| 1992 YP ₂ | 1994 06 11.16997 | 14 52 31.83 | -09 53 01.1 | 691 | 1994 LP ₁ | 1994 06 02.38639 | 16 21 13.69 | +10 16 47.4 | 691 | 691 | |
| 1992 YP ₂ | 1994 06 11.19561 | 14 52 30.73 | -09 53 04.5 | 691 | 1994 LP ₁ | 1994 06 02.41015 | 16 21 12.43 | +10 16 35.1 | 691 | 691 | |
| 1992 YP ₂ | 1994 06 11.22117 | 14 52 30.02 | -09 53 06.3 | 19.0 V | 691 | 1994 LP ₁ | 1994 06 03.19288 | 16 20 32.75 | +10 09 44.7 | 19.1 V | 691 |
| 1992 YG ₃ | 1994 05 14.25418 | 14 42 07.40 | -13 00 44.2 | 16.6 V | 691 | 1994 LP ₁ | 1994 06 03.20092 | 16 20 32.33 | +10 09 40.5 | 691 | 691 |
| 1992 YG ₃ | 1994 05 14.32623 | 14 42 04.13 | -13 00 31.0 | 691 | 1994 LP ₁ | 1994 06 03.20956 | 16 20 31.85 | +10 09 35.7 | 691 | 691 | |
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| 1993 EG | 1994 06 13.43987 | 00 08 32.20 | +04 08 48.0 | 18.5 V | 691 | 1994 LQ ₁ | 1994 06 02.38730 | 16 22 33.01 | +10 14 22.1 | 691 | 691 |
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| 1993 KR ₂ | * 1993 05 19.31712 | 15 38 26.07 | -10 41 50.1 | 18.5 V | 691 | 1994 LQ ₁ | 1994 06 03.20173 | 16 21 42.35 | +10 20 17.6 | 691 | 691 |
| 1993 KR ₂ | 1993 05 19.33943 | 15 38 24.84 | -10 41 47.8 | 691 | 1994 LQ ₁ | 1994 06 03.21036 | 16 21 41.81 | +10 20 21.3 | 19.0 V | 691 | 691 |
| 1993 KR ₂ | 1993 05 19.36174 | 15 38 23.65 | -10 41 45.5 | 691 | 1994 LQ ₁ | 1994 06 04.39668 | 16 20 27.44 | +10 28 25.5 | 691 | 691 | |
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| 1993 QA ₉ | 1993 09 10.27566 | 23 21 31.65 | -06 57 25.4 | 17.8 V | 691 | 1994 LQ ₁ | 1994 06 04.41263 | 16 20 26.44 | +10 28 30.9 | 691 | 691 |
| 1993 QA ₉ | 1993 09 10.31250 | 23 21 29.63 | -06 57 41.2 | 691 | 1994 LR ₁ | * 1994 06 06.15785 | 15 13 15.33 | -05 46 08.4 | 19.4 V | 691 | 691 |
| 1993 QF ₉ | 1993 09 10.24301 | 23 23 17.97 | -06 52 06.4 | 691 | 1994 LR ₁ | 1994 06 06.18094 | 15 13 14.17 | -05 46 09.5 | 691 | 691 | |
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| 1993 QF ₉ | 1993 09 10.31371 | 23 23 14.19 | -06 52 38.7 | 691 | 1994 LR ₁ | 1994 06 11.23679 | 15 09 36.42 | -05 51 58.2 | 20.0 V | 691 | 691 |
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|----------------------|--------------------|-------------|-------------|------------|----------------------|--------------------|-------------|-------------|------------|
| 1994 LS ₁ | 1994 06 11.23869 | 15 12 21.64 | -05 59 29.9 | 691 | 1994 LA ₂ | 1994 06 07.46046 | 21 44 28.94 | -12 32 05.9 | 691 |
| 1994 LS ₁ | 1994 06 11.26414 | 15 12 20.62 | -05 59 33.2 | 691 | 1994 LA ₂ | 1994 06 08.38192 | 21 45 20.69 | -12 32 14.2 | 17.9 V 691 |
| 1994 LS ₁ | 1994 06 11.30344 | 15 12 19.18 | -05 59 38.8 | 19.6 V 691 | 1994 LA ₂ | 1994 06 08.43019 | 21 45 23.27 | -12 32 15.4 | 691 |
| 1994 LT ₁ | * 1994 06 06.15966 | 15 15 51.94 | -06 09 54.8 | 691 | 1994 LA ₂ | 1994 06 08.46247 | 21 45 24.98 | -12 32 16.3 | 691 |
| 1994 LT ₁ | 1994 06 06.18275 | 15 15 50.85 | -06 09 53.6 | 691 | 1994 LB ₂ | * 1994 06 08.20139 | 15 00 11.78 | -07 20 54.7 | 20.5 V 691 |
| 1994 LT ₁ | 1994 06 06.20582 | 15 15 49.85 | -06 09 53.4 | 19.6 V 691 | 1994 LB ₂ | 1994 06 08.22804 | 15 00 10.60 | -07 20 58.6 | 691 |
| 1994 LT ₁ | 1994 06 11.23874 | 15 12 25.73 | -06 07 03.4 | 19.9 V 691 | 1994 LB ₂ | 1994 06 08.25468 | 15 00 09.51 | -07 21 01.4 | 691 |
| 1994 LT ₁ | 1994 06 11.26419 | 15 12 24.70 | -06 07 02.7 | 691 | 1994 LB ₂ | 1994 06 09.16980 | 14 59 32.87 | -07 23 06.2 | 691 |
| 1994 LT ₁ | 1994 06 11.30349 | 15 12 23.20 | -06 07 02.5 | 691 | 1994 LB ₂ | 1994 06 09.19310 | 14 59 31.87 | -07 23 10.8 | 691 |
| 1994 LU ₁ | * 1994 06 06.17128 | 15 32 38.16 | -05 47 31.3 | 691 | 1994 LB ₂ | 1994 06 09.21673 | 14 59 30.90 | -07 23 12.8 | 20.1 V 691 |
| 1994 LU ₁ | 1994 06 06.19437 | 15 32 37.03 | -05 47 28.7 | 691 | 1994 LC ₂ | * 1994 06 08.20188 | 15 00 54.31 | -07 20 48.7 | 20.3 V 691 |
| 1994 LU ₁ | 1994 06 06.21744 | 15 32 36.01 | -05 47 26.8 | 20.2 V 691 | 1994 LC ₂ | 1994 06 08.22853 | 15 00 53.52 | -07 20 49.8 | 691 |
| 1994 LU ₁ | 1994 06 08.35046 | 15 31 02.35 | -05 43 47.3 | 691 | 1994 LC ₂ | 1994 06 08.25518 | 15 00 52.78 | -07 20 50.1 | 691 |
| 1994 LU ₁ | 1994 06 08.35846 | 15 31 01.97 | -05 43 46.5 | 20.3 V 691 | 1994 LC ₂ | 1994 06 09.17045 | 15 00 28.73 | -07 21 08.5 | 691 |
| 1994 LU ₁ | 1994 06 08.36666 | 15 31 01.57 | -05 43 46.2 | 691 | 1994 LC ₂ | 1994 06 09.19374 | 15 00 28.11 | -07 21 09.4 | 20.3 V 691 |
| 1994 LV ₁ | * 1994 06 06.35685 | 21 03 27.67 | -02 54 45.4 | 19.7 V 691 | 1994 LC ₂ | 1994 06 09.21738 | 15 00 27.44 | -07 21 09.9 | 691 |
| 1994 LV ₁ | 1994 06 06.38334 | 21 03 28.14 | -02 54 13.5 | 691 | 1994 LD ₂ | * 1994 06 08.20262 | 15 01 58.71 | -07 04 51.4 | 691 |
| 1994 LV ₁ | 1994 06 06.40973 | 21 03 28.56 | -02 53 42.3 | 691 | 1994 LD ₂ | 1994 06 08.22927 | 15 01 57.82 | -07 04 56.0 | 19.7 V 691 |
| 1994 LV ₁ | 1994 06 10.40121 | 21 04 26.50 | -01 32 33.8 | 19.3 V 691 | 1994 LD ₂ | 1994 06 08.25592 | 15 01 56.97 | -07 04 59.4 | 691 |
| 1994 LV ₁ | 1994 06 10.40812 | 21 04 26.54 | -01 32 25.4 | 691 | 1994 LD ₂ | 1994 06 09.17114 | 15 01 29.26 | -07 07 29.8 | 20.1 V 691 |
| 1994 LV ₁ | 1994 06 10.41465 | 21 04 26.61 | -01 32 17.3 | 691 | 1994 LD ₂ | 1994 06 09.19444 | 15 01 28.50 | -07 07 34.0 | 691 |
| 1994 LW ₁ | * 1994 06 07.34408 | 16 00 50.24 | -06 29 52.3 | 19.8 V 691 | 1994 LD ₂ | 1994 06 09.21808 | 15 01 27.78 | -07 07 37.7 | 691 |
| 1994 LW ₁ | 1994 06 07.36901 | 16 00 48.80 | -06 30 01.2 | 691 | 1994 LE ₂ | * 1994 06 08.20286 | 15 02 19.01 | -07 13 41.2 | 691 |
| 1994 LW ₁ | 1994 06 07.39395 | 16 00 47.33 | -06 30 11.0 | 691 | 1994 LE ₂ | 1994 06 08.22951 | 15 02 18.20 | -07 13 36.4 | 17.8 V 691 |
| 1994 LW ₁ | 1994 06 10.32591 | 15 58 08.60 | -06 48 33.1 | 20.2 V 691 | 1994 LE ₂ | 1994 06 08.25616 | 15 02 17.39 | -07 13 30.3 | 691 |
| 1994 LW ₁ | 1994 06 10.33271 | 15 58 08.22 | -06 48 34.8 | 691 | 1994 LE ₂ | 1994 06 09.17139 | 15 01 50.43 | -07 10 22.0 | 17.6 V 691 |
| 1994 LW ₁ | 1994 06 10.33991 | 15 58 07.85 | -06 48 38.3 | 691 | 1994 LE ₂ | 1994 06 09.19469 | 15 01 49.84 | -07 10 18.4 | 691 |
| 1994 LW ₁ | 1994 06 14.30075 | 15 54 48.08 | -07 15 42.7 | 20.7 V 691 | 1994 LE ₂ | 1994 06 09.21833 | 15 01 49.07 | -07 10 12.7 | 691 |
| 1994 LW ₁ | 1994 06 14.32432 | 15 54 46.92 | -07 15 54.3 | 691 | 1994 LF ₂ | * 1994 06 08.20697 | 15 08 15.58 | -07 16 49.1 | 691 |
| 1994 LX ₁ | * 1994 06 07.42466 | 21 41 05.90 | -12 09 13.8 | 691 | 1994 LF ₂ | 1994 06 08.23362 | 15 08 14.58 | -07 16 38.0 | 20.6 V 691 |
| 1994 LX ₁ | 1994 06 07.44129 | 21 41 06.57 | -12 09 10.1 | 691 | 1994 LF ₂ | 1994 06 08.26027 | 15 08 13.54 | -07 16 26.7 | 691 |
| 1994 LX ₁ | 1994 06 07.45813 | 21 41 07.24 | -12 09 06.5 | 20.4 V 691 | 1994 LF ₂ | 1994 06 09.17545 | 15 07 42.49 | -07 10 03.9 | 691 |
| 1994 LX ₁ | 1994 06 14.39794 | 21 45 17.69 | -11 47 10.8 | 691 | 1994 LF ₂ | 1994 06 09.19875 | 15 07 41.64 | -07 09 53.9 | 20.4 V 691 |
| 1994 LX ₁ | 1994 06 14.40571 | 21 45 17.90 | -11 47 09.1 | 20.2 V 691 | 1994 LF ₂ | 1994 06 09.22239 | 15 07 40.78 | -07 09 44.2 | 691 |
| 1994 LX ₁ | 1994 06 14.42241 | 21 45 18.34 | -11 47 06.4 | 691 | 1994 LG ₂ | * 1994 06 08.20756 | 15 09 06.22 | -07 18 23.6 | 19.5 V 691 |
| 1994 LY ₁ | * 1994 06 07.42656 | 21 43 50.69 | -12 15 22.8 | 691 | 1994 LG ₂ | 1994 06 08.23421 | 15 09 05.27 | -07 18 22.9 | 691 |
| 1994 LY ₁ | 1994 06 07.44320 | 21 43 51.25 | -12 15 23.2 | 691 | 1994 LG ₂ | 1994 06 08.26085 | 15 09 04.26 | -07 18 21.9 | 691 |
| 1994 LY ₁ | 1994 06 07.46003 | 21 43 51.76 | -12 15 22.9 | 691 | 1994 LG ₂ | 1994 06 09.17603 | 15 08 32.76 | -07 18 00.7 | 691 |
| 1994 LY ₁ | 1994 06 08.38124 | 21 44 21.65 | -12 15 25.4 | 691 | 1994 LG ₂ | 1994 06 09.19933 | 15 08 31.91 | -07 18 00.6 | 19.3 V 691 |
| 1994 LY ₁ | 1994 06 08.42949 | 21 44 23.11 | -12 15 26.5 | 691 | 1994 LG ₂ | 1994 06 09.22297 | 15 08 31.06 | -07 17 59.9 | 691 |
| 1994 LY ₁ | 1994 06 08.46177 | 21 44 24.07 | -12 15 27.5 | 20.5 V 691 | 1994 LH ₂ | * 1994 06 08.37999 | 21 42 33.38 | -12 32 00.6 | 691 |
| 1994 LY ₁ | 1994 06 10.39362 | 21 45 22.53 | -12 16 03.4 | 19.9 V 691 | 1994 LH ₂ | 1994 06 08.42824 | 21 42 34.70 | -12 31 53.4 | 19.8 V 691 |
| 1994 LY ₁ | 1994 06 10.42527 | 21 45 23.36 | -12 16 03.8 | 691 | 1994 LH ₂ | 1994 06 08.46051 | 21 42 35.53 | -12 31 48.6 | 691 |
| 1994 LY ₁ | 1994 06 10.45851 | 21 45 24.25 | -12 16 05.4 | 691 | 1994 LH ₂ | 1994 06 10.39227 | 21 43 25.46 | -12 27 11.2 | 19.7 V 691 |
| 1994 LZ ₁ | * 1994 06 07.42673 | 21 44 05.04 | -12 31 41.5 | 19.8 V 691 | 1994 LH ₂ | 1994 06 10.42391 | 21 43 26.19 | -12 27 07.0 | 691 |
| 1994 LZ ₁ | 1994 06 07.44336 | 21 44 05.67 | -12 31 42.4 | 691 | 1994 LH ₂ | 1994 06 10.45716 | 21 43 26.94 | -12 27 02.4 | 691 |
| 1994 LZ ₁ | 1994 06 07.46020 | 21 44 06.57 | -12 31 42.6 | 691 | 1994 LJ ₂ | * 1994 06 08.38046 | 21 43 13.54 | -12 22 52.8 | 691 |
| 1994 LZ ₁ | 1994 06 08.38162 | 21 44 54.12 | -12 31 40.8 | 691 | 1994 LJ ₂ | 1994 06 08.42870 | 21 43 14.53 | -12 22 48.3 | 18.8 V 691 |
| 1994 LZ ₁ | 1994 06 08.42988 | 21 44 56.49 | -12 31 40.7 | 20.3 V 691 | 1994 LJ ₂ | 1994 06 08.46097 | 21 43 15.16 | -12 22 45.1 | 691 |
| 1994 LZ ₁ | 1994 06 08.46216 | 21 44 58.07 | -12 31 40.9 | 691 | 1994 LJ ₂ | 1994 06 10.39261 | 21 43 54.37 | -12 19 45.3 | 18.9 V 691 |
| 1994 LA ₂ | * 1994 06 07.42698 | 21 44 27.13 | -12 32 05.2 | 17.5 V 691 | 1994 LJ ₂ | 1994 06 10.42424 | 21 43 54.94 | -12 19 42.5 | 691 |
| 1994 LA ₂ | 1994 06 07.44362 | 21 44 28.05 | -12 32 05.5 | 691 | 1994 LJ ₂ | 1994 06 10.45749 | 21 43 55.54 | -12 19 39.9 | 691 |

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| 1994 LK ₂ | * 1994 06 09.33104 | 15 59 26.05 | -07 07 55.0 | 20.4 V | 691 | 1994 LS ₂ | 1994 06 13.29650 | 15 41 29.91 | -08 01 10.9 | 19.5 V | 691 |
| 1994 LK ₂ | 1994 06 09.35629 | 15 59 24.48 | -07 07 34.9 | | 691 | 1994 LS ₂ | 1994 06 13.32754 | 15 41 28.61 | -08 01 08.0 | | 691 |
| 1994 LK ₂ | 1994 06 09.38141 | 15 59 22.89 | -07 07 15.2 | | 691 | 1994 LT ₂ | * 1994 06 10.25761 | 15 44 31.46 | -07 46 21.5 | | 691 |
| 1994 LK ₂ | 1994 06 10.32612 | 15 58 26.61 | -06 54 58.3 | | 691 | 1994 LT ₂ | 1994 06 10.28434 | 15 44 30.20 | -07 46 27.9 | 19.0 V | 691 |
| 1994 LK ₂ | 1994 06 10.33292 | 15 58 26.21 | -06 54 53.4 | | 691 | 1994 LT ₂ | 1994 06 10.31105 | 15 44 28.92 | -07 46 34.4 | | 691 |
| 1994 LK ₂ | 1994 06 10.34011 | 15 58 25.74 | -06 54 47.8 | 20.8 V | 691 | 1994 LT ₂ | 1994 06 13.27253 | 15 42 15.86 | -07 58 42.7 | 18.8 V | 691 |
| 1994 LL ₂ | * 1994 06 09.40424 | 21 43 04.02 | -10 23 55.1 | | 691 | 1994 LT ₂ | 1994 06 13.29701 | 15 42 14.75 | -07 58 49.2 | | 691 |
| 1994 LL ₂ | 1994 06 09.42766 | 21 43 05.02 | -10 23 51.1 | 20.6 V | 691 | 1994 LT ₂ | 1994 06 13.32805 | 15 42 13.37 | -07 58 57.0 | | 691 |
| 1994 LL ₂ | 1994 06 09.45115 | 21 43 05.96 | -10 23 47.0 | | 691 | 1994 LU ₂ | * 1994 06 10.25912 | 15 46 41.96 | -08 02 23.2 | 19.5 V | 691 |
| 1994 LL ₂ | 1994 06 10.43142 | 21 43 47.10 | -10 20 48.6 | 20.7 V | 691 | 1994 LU ₂ | 1994 06 10.28585 | 15 46 40.90 | -08 02 22.5 | | 691 |
| 1994 LL ₂ | 1994 06 10.43843 | 21 43 47.37 | -10 20 48.4 | | 691 | 1994 LU ₂ | 1994 06 10.31256 | 15 46 39.80 | -08 02 22.8 | | 691 |
| 1994 LL ₂ | 1994 06 10.44545 | 21 43 47.64 | -10 20 46.6 | | 691 | 1994 LU ₂ | 1994 06 13.27431 | 15 44 49.97 | -08 02 14.8 | | 691 |
| 1994 LM ₂ | * 1994 06 09.40591 | 21 45 28.96 | -10 29 19.9 | 18.8 V | 691 | 1994 LU ₂ | 1994 06 13.29879 | 15 44 49.07 | -08 02 15.5 | 19.5 V | 691 |
| 1994 LM ₂ | 1994 06 09.42935 | 21 45 31.23 | -10 29 16.4 | | 691 | 1994 LU ₂ | 1994 06 13.32984 | 15 44 47.93 | -08 02 15.4 | | 691 |
| 1994 LM ₂ | 1994 06 09.45285 | 21 45 33.47 | -10 29 12.1 | | 691 | 1994 LV ₂ | * 1994 06 11.32714 | 15 49 40.30 | -05 12 49.7 | 19.0 V | 691 |
| 1994 LM ₂ | 1994 06 10.43376 | 21 47 10.07 | -10 26 22.7 | 18.2 V | 691 | 1994 LV ₂ | 1994 06 11.35132 | 15 49 39.03 | -05 12 59.2 | | 691 |
| 1994 LM ₂ | 1994 06 10.44078 | 21 47 10.72 | -10 26 21.7 | | 691 | 1994 LV ₂ | 1994 06 11.37277 | 15 49 37.90 | -05 13 07.4 | | 691 |
| 1994 LM ₂ | 1994 06 10.44780 | 21 47 11.40 | -10 26 20.5 | | 691 | 1994 LV ₂ | 1994 06 15.28395 | 15 46 30.31 | -05 38 59.8 | | 691 |
| 1994 LN ₂ | * 1994 06 09.40749 | 21 47 45.37 | -10 21 00.3 | 20.7 V | 691 | 1994 LV ₂ | 1994 06 15.30788 | 15 46 29.20 | -05 39 09.5 | 18.9 V | 691 |
| 1994 LN ₂ | 1994 06 09.43091 | 21 47 46.48 | -10 20 58.5 | | 691 | 1994 LV ₂ | 1994 06 15.34022 | 15 46 27.60 | -05 39 22.9 | | 691 |
| 1994 LN ₂ | 1994 06 09.45440 | 21 47 47.61 | -10 20 56.3 | | 691 | 1994 LW ₂ | * 1994 06 14.35612 | 15 46 09.36 | -05 41 31.8 | 19.0 V | 691 |
| 1994 LN ₂ | 1994 06 10.43475 | 21 48 35.85 | -10 19 24.9 | | 691 | 1994 LW ₂ | 1994 06 14.36929 | 15 46 08.78 | -05 41 33.4 | | 691 |
| 1994 LN ₂ | 1994 06 10.44177 | 21 48 36.20 | -10 19 24.4 | 20.2 V | 691 | 1994 LW ₂ | 1994 06 14.38217 | 15 46 08.26 | -05 41 34.8 | | 691 |
| 1994 LN ₂ | 1994 06 10.44879 | 21 48 36.55 | -10 19 24.6 | | 691 | 1994 LW ₂ | 1994 06 15.28330 | 15 45 33.29 | -05 43 24.5 | 18.8 V | 691 |
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1994 JULY 22

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| 693 University of Arizona, Catalina Station | | | | | | 1976 UG ₁₅ | 1994 07 12.20413 | 18 49 16.62 | -20 05 37.2 | 801 |
| C. W. Hergenrother, Lunar and Planetary Laboratory, University of Arizona, | | | | | | 1976 UG ₁₅ | 1994 07 13.16649 | 18 48 16.53 | -20 08 18.1 | 801 |
| Tucson, AZ 85721, U.S.A. | | | | | | 1976 UG ₁₅ | 1994 07 13.18140 | 18 48 15.46 | -20 08 20.7 | 801 |
| Observers C. W. Hergenrother, T. B. Spahr | | | | | | 1977 QY ₃ | 1994 07 13.31535 | 00 13 28.60 | -06 49 27.8 | 801 |
| 0.41-m <i>f</i> /3 Schmidt | | | | | | 1977 QY ₃ | 1994 07 13.32534 | 00 13 29.18 | -06 49 27.6 | 801 |
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| R. E. McCrosky, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, | | | | | | 1984 KB | 1994 06 09.27600 | 19 18 03.19 | -10 23 21.1 | p 801 |
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| Observer R. E. McCrosky | | | | | | 1984 KB | 1994 06 11.27873 | 19 12 08.37 | -10 38 26.7 | 801 |
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| 1974 RV ₁ | 1994 07 13.21843 | 20 39 41.58 | -18 34 28.8 | | 801 | 1986 TW ₉ | 1994 07 13.30056 | 22 01 29.27 | -09 58 33.4 | 801 |
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| 1987 OC | 1994 07 12.10863 | 17 31 02.10 | -19 06 29.0 | r 801 | 1990 OE ₂ | 1994 07 12.23166 | 20 33 56.79 | -19 12 15.9 | 801 |
| 1987 OC | 1994 07 12.12265 | 17 31 01.42 | -19 06 13.5 | r 801 | 1990 OE ₂ | 1994 07 12.24818 | 20 33 56.02 | -19 12 26.1 | 801 |
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Chimbas, San Juan, Argentina

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J. G. Sanguin, J. E. Torres, J. A. Vicentela

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| (1021) | 1993 05 28.12823 | 15 25 47.42 | +01 15 42.0 | 808 | (1842) | 1993 02 25.29633 | 12 08 23.22 | +02 00 27.0 | 808 |
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| (2463) | 1993 04 27.16301 | 12 18 46.11 | +03 59 02.9 | 808 | 1977 DB ₁ | 1992 03 04.09375 | 10 24 06.73 | +11 54 00.8 | 16.4 | 7 809 | |
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| (2778) | 1992 07 27.15250 | 19 17 08.93 | -25 33 02.0 | g 808 | 1978 PJ ₂ | 1992 04 07.14618 | 10 47 52.07 | +05 22 08.7 | 17.8 | 7 809 | |
| (2794) | 1993 07 23.19764 | 20 22 25.09 | -25 54 03.3 | F 808 | 1978 PO ₃ | 1992 04 06.06285 | 09 50 01.49 | +14 04 49.4 | 17.8 | 7 809 | |
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| (2831) | 1993 09 15.12672 | 22 09 11.65 | -20 53 39.4 | 808 | 1978 RK ₁ | 1992 04 06.11007 | 10 31 07.07 | +12 45 18.4 | 18.8 | 7 809 | |
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| | | | | | 1979 MA ₆ | 1992 03 05.16458 | 10 38 30.22 | +13 01 20.8 | 17.5 | 7 809 | |
| 809 European Southern Observatory | | | | | 1979 MA ₆ | 1992 03 07.16111 | 10 36 43.71 | +13 17 23.7 | 17.5 | 7 809 | |
| E. W. Elst, Observatoire Royal de Belgique, Avenue Circulaire 3, B-1180 Brussels, Belgium (4) | | | | | 1979 MA ₆ | 1992 04 04.11840 | 10 20 10.48 | +15 39 50.3 | 18.8 | 7 809 | |
| C.-I. Lagerkvist, Uppsala Observatory, Box 515, S-751 20 Uppsala, Sweden (7) | | | | | 1979 QC ₂ | 1992 03 06.09722 | 10 46 00.51 | +07 52 37.7 | 17.5 | 7 809 | |
| Observers E. W. Elst, G. Pizarro, O. Pizarro, M. Lindgren | | | | | 1979 QC ₂ | 1992 03 08.17222 | 10 44 24.39 | +08 03 51.3 | 17.5 | 7 809 | |
| Measurers E. W. Elst, O. Hernius | | | | | 1979 QC ₂ | 1992 03 09.08958 | 10 43 42.60 | +08 08 44.5 | 17.5 | 7 809 | |
| 1.0-m Schmidt | | | | | 1979 QC ₂ | 1992 04 06.11007 | 10 27 43.07 | +10 02 02.4 | 17.8 | 7 809 | |
| 1952 QW | 1992 03 01.14722 | 10 27 20.77 | +16 50 42.2 | 17.5 | 7 809 | 1979 WX ₃ | 1992 03 06.09722 | 10 40 27.30 | +10 20 33.8 | 18.6 | 7 809 |
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| 1975 SR | 1992 03 03.26667 | 11 13 31.46 | +03 23 48.6 | 20.8 | 7 809 | 1980 TV ₂ | 1992 03 03.20000 | 11 07 46.55 | +10 02 52.4 | 16.4 | 7 809 |
| 1975 SR | 1992 03 06.23750 | 11 10 49.98 | +03 42 34.7 | | 7 809 | 1980 TV ₂ | 1992 04 06.15243 | 10 37 48.60 | +11 22 00.5 | 20.9 | 7 809 |
| 1976 SZ ₉ | 1993 08 15.25764 | 23 29 52.56 | -06 32 37.6 | 18.0 | 4 809 | 1981 EQ | 1992 04 04.06979 | 10 03 53.78 | +20 04 29.6 | 16.7 | 7 809 |
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| 1976 YB ₂ | 1992 03 03.20000 | 11 16 51.12 | +10 46 59.3 | 17.5 | 7 809 | 1981 EB ₁ | 1992 03 07.09167 | 10 23 47.31 | +11 38 10.4 | 17.5 | 7 809 |
| 1976 YB ₂ | 1992 03 07.23125 | 11 12 53.98 | +11 10 11.3 | 17.5 | 7 809 | 1981 EB ₁ | 1992 04 06.06285 | 10 08 39.02 | +13 14 24.4 | 16.7 | 7 809 |
| 1976 YB ₂ | 1992 04 06.15243 | 10 48 03.83 | +12 59 56.8 | 18.8 | 7 809 | 1981 EJ ₇ | 1992 02 29.16111 | 10 27 21.46 | +03 33 24.5 | 16.4 | 7 809 |
| 1977 DB ₁ | 1992 03 02.14305 | 10 25 46.32 | +11 40 57.1 | 16.4 | 7 809 | 1981 EJ ₇ | 1992 04 07.06354 | 10 05 06.28 | +05 12 40.8 | 16.7 | 7 809 |

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|-----------------------|------------------|-------------|-------------|------|-------|----------------------|------------------|-------------|-------------|------------|
| 1981 EK ₇ | 1992 03 09.15972 | 10 54 43.39 | +01 27 43.6 | 17.5 | 7 809 | 1981 OH | 1994 02 08.27014 | 11 23 35.34 | +11 30 55.2 | 4 809 |
| 1981 EK ₇ | 1992 04 07.14618 | 10 37 28.21 | +03 47 52.1 | 17.8 | 7 809 | 1981 OH | 1994 02 10.23056 | 11 22 21.79 | +11 49 51.8 | 4 809 |
| 1981 EO ₉ | 1992 03 07.09167 | 10 14 00.33 | +07 45 04.9 | | 7 809 | 1981 OH | 1994 02 10.24236 | 11 22 21.24 | +11 49 58.9 | 4 809 |
| 1981 EQ ₉ | 1992 03 05.23750 | 10 52 40.26 | +01 26 25.0 | 17.5 | 7 809 | 1981 OH | 1994 02 10.25417 | 11 22 20.78 | +11 50 05.4 | 4 809 |
| 1981 EQ ₉ | 1992 03 09.15972 | 10 49 48.67 | +01 49 35.2 | 16.4 | 7 809 | 1981 OH | 1994 02 13.23750 | 11 20 19.66 | +12 19 33.9 | 18.4 4 809 |
| 1981 EQ ₉ | 1992 04 07.14618 | 10 34 10.22 | +04 26 35.0 | 17.8 | 7 809 | 1981 OH | 1994 02 13.24931 | 11 20 19.06 | +12 19 40.7 | 4 809 |
| 1981 ES ₉ | 1992 04 07.06354 | 10 08 40.67 | +03 58 16.8 | 19.8 | 7 809 | 1981 OH | 1994 02 13.26111 | 11 20 18.57 | +12 19 48.2 | 4 809 |
| 1981 EK ₁₈ | 1992 03 02.27326 | 10 49 35.05 | +05 41 01.9 | 16.4 | 7 809 | 1981 QV ₂ | 1992 03 09.22986 | 11 10 52.03 | +12 50 00.1 | 17.5 7 809 |
| 1981 EK ₁₈ | 1992 03 05.23750 | 10 47 19.54 | +05 55 47.5 | 16.4 | 7 809 | 1981 QV ₂ | 1992 04 04.16354 | 10 52 34.32 | +15 14 10.0 | 18.8 7 809 |
| 1981 EK ₁₈ | 1992 03 09.15972 | 10 44 23.56 | +06 15 08.9 | 15.3 | 7 809 | 1982 JE ₁ | 1993 10 21.22986 | 02 11 30.90 | +05 08 29.3 | 18.0 4 809 |
| 1981 EK ₁₈ | 1992 04 07.10451 | 10 29 10.79 | +08 03 20.7 | 17.8 | 7 809 | 1982 JE ₁ | 1993 10 21.24306 | 02 11 29.98 | +05 08 28.2 | 4 809 |
| 1981 EQ ₁₈ | 1992 03 06.23750 | 11 17 31.80 | +05 32 36.1 | 17.5 | 7 809 | 1982 JE ₁ | 1993 10 21.25625 | 02 11 29.13 | +05 08 26.5 | 4 809 |
| 1981 EV ₁₉ | 1992 03 02.27326 | 10 36 05.19 | +05 29 52.3 | 18.6 | 7 809 | 1982 OF | 1992 03 02.27326 | 10 53 58.55 | +03 05 11.3 | 17.5 7 809 |
| 1981 EV ₁₉ | 1992 03 05.09236 | 10 34 02.84 | +05 45 10.5 | 20.8 | 7 809 | 1982 OF | 1992 03 05.23750 | 10 51 12.34 | +03 19 47.6 | 18.6 7 809 |
| 1981 EV ₁₉ | 1992 03 08.09931 | 10 31 55.11 | +06 01 22.3 | 18.6 | 7 809 | 1982 OF | 1992 03 09.15972 | 10 47 34.78 | +03 39 17.9 | 17.5 7 809 |
| 1981 EW ₂₀ | 1992 03 06.09722 | 10 46 43.51 | +08 31 33.8 | 18.6 | 7 809 | 1984 HR ₁ | 1992 03 01.22222 | 11 09 38.30 | +12 28 59.7 | 16.4 7 809 |
| 1981 EW ₂₀ | 1992 03 08.17222 | 10 45 12.08 | +08 40 21.9 | 17.5 | 7 809 | 1984 HR ₁ | 1992 03 04.23889 | 11 06 48.05 | +12 43 04.4 | 16.4 7 809 |
| 1981 EW ₂₀ | 1992 03 09.08958 | 10 44 32.12 | +08 44 12.0 | 19.7 | 7 809 | 1984 HR ₁ | 1992 03 09.22986 | 11 02 03.49 | +13 04 54.1 | 16.4 7 809 |
| 1981 EW ₂₀ | 1992 04 06.11007 | 10 28 10.36 | +10 13 47.9 | 18.8 | 7 809 | 1984 HR ₁ | 1992 04 06.15243 | 10 40 15.84 | +14 05 25.3 | 17.8 7 809 |
| 1981 ET ₂₂ | 1992 03 04.16597 | 10 15 35.27 | +14 47 59.5 | 16.4 | 7 809 | 1985 BH | 1992 03 01.14722 | 10 20 40.84 | +17 08 40.4 | 16.4 7 809 |
| 1981 ET ₂₂ | 1992 04 04.06979 | 10 00 28.75 | +15 01 12.9 | 16.7 | 7 809 | 1985 BH | 1992 03 04.16597 | 10 17 44.55 | +17 27 54.0 | 16.4 7 809 |
| 1981 EC ₂₃ | 1992 03 02.27326 | 10 49 35.04 | +06 03 03.5 | 16.4 | 7 809 | 1985 BH | 1992 03 06.16389 | 10 15 51.55 | +17 39 47.5 | 17.5 7 809 |
| 1981 EC ₂₃ | 1992 03 05.23750 | 10 47 21.29 | +06 16 51.2 | 17.5 | 7 809 | 1985 BH | 1992 04 04.06979 | 09 58 16.57 | +19 05 18.9 | 16.7 7 809 |
| 1981 EC ₂₃ | 1992 03 09.15972 | 10 44 26.44 | +06 35 00.0 | 17.5 | 7 809 | 1985 CH ₁ | 1992 03 01.14722 | 10 17 27.70 | +15 44 30.4 | 16.4 7 809 |
| 1981 EC ₂₃ | 1992 04 07.10451 | 10 28 02.76 | +08 20 39.7 | 17.8 | 7 809 | 1985 CH ₁ | 1992 03 04.16597 | 10 14 31.10 | +15 52 17.2 | 16.4 7 809 |
| 1981 EZ ₂₅ | 1992 03 02.21389 | 10 50 06.56 | +16 10 18.5 | 16.4 | 7 809 | 1985 CH ₁ | 1992 04 04.06979 | 09 58 12.12 | +15 36 55.9 | 15.7 7 809 |
| 1981 EZ ₂₅ | 1992 03 05.16458 | 10 47 26.71 | +16 12 48.1 | 17.5 | 7 809 | 1985 CM ₁ | 1992 02 29.23611 | 11 17 28.23 | +09 36 03.4 | 17.5 7 809 |
| 1981 EZ ₂₅ | 1992 03 07.16111 | 10 45 39.63 | +16 14 03.9 | 17.5 | 7 809 | 1985 CM ₁ | 1992 03 03.20000 | 11 14 53.22 | +10 02 17.8 | 15.3 7 809 |
| 1981 EZ ₂₅ | 1992 04 04.11840 | 10 25 17.59 | +15 50 10.3 | 18.8 | 7 809 | 1985 CM ₁ | 1992 03 07.23125 | 11 11 16.30 | +10 37 26.8 | 16.4 7 809 |
| 1981 EM ₂₆ | 1992 03 07.16111 | 10 41 31.39 | +13 11 32.4 | 18.6 | 7 809 | 1985 CM ₁ | 1992 04 06.15243 | 10 49 54.37 | +13 36 42.2 | 17.8 7 809 |
| 1981 EM ₂₆ | 1992 04 06.11007 | 10 23 02.02 | +13 46 56.7 | 19.8 | 7 809 | 1985 CN ₁ | 1992 02 29.23611 | 11 08 53.88 | +08 50 41.8 | 16.4 7 809 |
| 1981 EY ₂₆ | 1992 04 06.06285 | 10 08 05.45 | +11 09 40.4 | 17.8 | 7 809 | 1985 CN ₁ | 1992 03 03.20000 | 11 05 56.49 | +09 03 25.6 | 15.3 7 809 |
| 1981 EQ ₃₁ | 1992 03 02.14305 | 10 34 29.82 | +07 16 18.6 | 19.7 | 7 809 | 1985 CN ₁ | 1992 03 07.23125 | 11 01 52.81 | +09 20 05.2 | 15.3 7 809 |
| 1981 EQ ₃₁ | 1992 03 04.09375 | 10 33 05.76 | +07 28 37.2 | 19.7 | 7 809 | 1985 CN ₁ | 1992 04 06.15243 | 10 39 34.74 | +10 17 54.1 | 16.7 7 809 |
| 1981 EQ ₃₁ | 1992 03 07.09167 | 10 30 58.79 | +07 47 19.7 | 20.8 | 7 809 | 1985 HS ₁ | 1992 04 07.10451 | 10 16 32.47 | +05 23 37.1 | 16.7 7 809 |
| 1981 EG ₃₆ | 1992 03 02.14305 | 10 33 53.74 | +07 05 08.5 | 16.4 | 7 809 | 1985 JN ₁ | 1993 10 21.22986 | 02 04 13.23 | +03 31 07.5 | 18.1 4 809 |
| 1981 EG ₃₆ | 1992 03 04.09375 | 10 32 29.92 | +07 16 09.9 | 16.4 | 7 809 | 1985 JN ₁ | 1993 10 21.24306 | 02 04 12.34 | +03 31 04.9 | 4 809 |
| 1981 EG ₃₆ | 1992 03 07.09167 | 10 30 23.01 | +07 32 56.7 | 17.5 | 7 809 | 1985 JN ₁ | 1993 10 21.25625 | 02 04 11.50 | +03 31 01.8 | 4 809 |
| 1981 EG ₃₆ | 1992 04 06.11007 | 10 15 02.95 | +09 47 16.5 | 18.8 | 7 809 | 1985 VG | 1994 02 10.23056 | 11 05 48.00 | +11 55 54.3 | 18.1 4 809 |
| 1981 EA ₃₉ | 1992 03 03.26667 | 11 17 11.57 | +02 52 43.6 | 18.6 | 7 809 | 1985 VG | 1994 02 10.24236 | 11 05 47.44 | +11 55 58.8 | 4 809 |
| 1981 EA ₃₉ | 1992 03 06.23750 | 11 14 21.32 | +03 07 56.9 | 19.7 | 7 809 | 1985 VG | 1994 02 10.25417 | 11 05 46.86 | +11 56 02.6 | 4 809 |
| 1981 EA ₃₉ | 1992 04 07.14618 | 10 48 12.70 | +05 34 48.4 | 20.9 | 7 809 | 1985 VG | 1994 02 13.23750 | 11 03 27.31 | +12 16 29.2 | 18.3 4 809 |
| 1981 EG ₃₉ | 1992 03 01.28750 | 11 11 18.50 | +05 53 20.2 | 18.6 | 7 809 | 1985 VG | 1994 02 13.24931 | 11 03 26.74 | +12 16 34.0 | 4 809 |
| 1981 EG ₃₉ | 1992 03 03.26667 | 11 09 49.85 | +06 00 40.1 | 20.8 | 7 809 | 1985 VG | 1994 02 13.26111 | 11 03 26.07 | +12 16 38.2 | 4 809 |
| 1981 EG ₃₉ | 1992 03 06.23750 | 11 07 36.00 | +06 11 43.3 | | 7 809 | 1986 PU ₁ | 1992 03 04.16597 | 10 23 46.42 | +12 32 18.7 | 20.8 7 809 |
| 1981 EA ₄₀ | 1992 03 08.17222 | 10 34 41.61 | +10 46 42.3 | 19.7 | 7 809 | 1986 QQ | 1993 08 15.25764 | 23 47 04.98 | -03 45 41.2 | 18.0 4 809 |
| 1981 EX ₄₁ | 1992 03 02.27326 | 10 54 33.45 | +05 44 05.1 | 16.4 | 7 809 | 1986 QQ | 1993 08 15.27083 | 23 47 04.48 | -03 45 42.4 | 4 809 |
| 1981 EX ₄₁ | 1992 03 05.23750 | 10 52 20.65 | +05 58 29.8 | 17.5 | 7 809 | 1986 QQ | 1993 08 15.28403 | 23 47 03.99 | -03 45 44.3 | 4 809 |
| 1981 EX ₄₁ | 1992 03 09.15972 | 10 49 27.23 | +06 17 22.4 | 16.4 | 7 809 | 1986 RG ₃ | 1992 03 03.26667 | 11 17 14.42 | +05 11 26.3 | 18.6 7 809 |
| 1981 EX ₄₁ | 1992 04 07.14618 | 10 33 04.64 | +08 07 44.8 | 18.8 | 7 809 | 1986 RG ₃ | 1992 03 06.23750 | 11 14 29.57 | +05 36 57.6 | 18.6 7 809 |
| 1981 OH | 1994 02 08.24653 | 11 23 36.31 | +11 30 41.5 | 18.3 | 4 809 | 1986 TC | 1993 08 15.25764 | 23 45 37.60 | -03 44 47.4 | 18.0 4 809 |
| 1981 OH | 1994 02 08.25833 | 11 23 35.82 | +11 30 49.0 | | 4 809 | 1986 TC | 1993 08 15.27083 | 23 45 37.12 | -03 44 46.4 | 4 809 |

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| 1987 QN | 1994 02 08.24653 | 11 21 26.00 | +11 03 00.2 | 18.3 | 4 809 | 1989 TO | 1994 02 13.23750 | 11 11 21.09 | +10 23 54.6 | 18.0 | 4 809 |
| 1987 QN | 1994 02 08.25833 | 11 21 25.72 | +11 03 03.3 | | 4 809 | 1989 TO | 1994 02 13.24931 | 11 11 19.99 | +10 23 49.1 | | 4 809 |
| 1987 QN | 1994 02 08.27014 | 11 21 25.47 | +11 03 06.7 | | 4 809 | 1989 TO | 1994 02 13.26111 | 11 11 18.79 | +10 23 44.4 | | 4 809 |
| 1987 QN | 1994 02 10.23056 | 11 20 45.13 | +11 12 23.0 | | 4 809 | 1989 WW | 1994 02 08.24653 | 11 15 00.36 | +13 11 52.0 | 18.5 | 4 809 |
| 1987 QN | 1994 02 10.24236 | 11 20 44.86 | +11 12 26.9 | | 4 809 | 1989 WW | 1994 02 08.25833 | 11 14 59.75 | +13 11 58.0 | | 4 809 |
| 1987 QN | 1994 02 10.25417 | 11 20 44.56 | +11 12 30.7 | | 4 809 | 1989 WW | 1994 02 08.27014 | 11 14 59.27 | +13 12 01.9 | | 4 809 |
| 1987 QN | 1994 02 13.23750 | 11 19 39.64 | +11 26 49.1 | 18.2 | 4 809 | 1989 WW | 1994 02 13.23750 | 11 10 48.20 | +13 49 59.4 | 18.3 | 4 809 |
| 1987 QN | 1994 02 13.24931 | 11 19 39.31 | +11 26 52.9 | | 4 809 | 1989 WW | 1994 02 13.24931 | 11 10 47.51 | +13 50 04.9 | | 4 809 |
| 1987 QN | 1994 02 13.26111 | 11 19 38.99 | +11 26 56.6 | | 4 809 | 1989 WW | 1994 02 13.26111 | 11 10 46.82 | +13 50 10.4 | | 4 809 |
| 1987 UP ₂ | 1992 04 07.14618 | 10 33 18.51 | +03 54 04.9 | 17.8 | 7 809 | 1990 OJ ₂ | 1992 04 04.06979 | 09 59 59.99 | +19 15 38.5 | 16.7 | 7 809 |
| 1987 VB | 1992 02 29.16111 | 10 13 57.17 | +06 35 56.8 | 15.3 | 7 809 | 1990 QF | 1992 03 06.23750 | 11 17 55.77 | +01 40 48.9 | 15.3 | 7 809 |
| 1988 CC ₂ | 1992 03 02.27326 | 10 52 36.60 | +03 46 21.4 | 16.4 | 7 809 | 1990 QF | 1992 04 07.14618 | 10 48 33.32 | +03 48 12.9 | 16.7 | 7 809 |
| 1988 CC ₂ | 1992 03 05.23750 | 10 49 37.33 | +04 00 14.7 | 17.5 | 7 809 | 1990 QJ ₁ | 1992 03 01.28750 | 11 15 57.83 | +01 38 34.2 | 17.5 | 7 809 |
| 1988 CC ₂ | 1992 03 09.15972 | 10 45 44.86 | +04 18 37.7 | 16.4 | 7 809 | 1990 QJ ₁ | 1992 03 03.26667 | 11 13 53.99 | +01 47 43.8 | 16.4 | 7 809 |
| 1988 CC ₂ | 1992 04 07.10451 | 10 25 21.11 | +06 02 38.0 | 17.8 | 7 809 | 1990 QJ ₁ | 1992 03 06.23750 | 11 10 46.76 | +02 01 54.2 | 16.4 | 7 809 |
| 1988 CF ₃ | 1992 03 02.27326 | 10 54 42.48 | +06 08 47.5 | 16.4 | 7 809 | 1990 QJ ₁ | 1992 04 07.14618 | 10 43 10.34 | +04 18 03.5 | 18.8 | 7 809 |
| 1988 CF ₃ | 1992 03 05.23750 | 10 51 46.77 | +06 23 35.0 | 17.5 | 7 809 | 1990 QL ₂ | 1992 03 01.28750 | 11 06 50.44 | +06 14 43.2 | 16.4 | 7 809 |
| 1988 CF ₃ | 1992 03 09.15972 | 10 47 57.02 | +06 42 52.3 | 18.6 | 7 809 | 1990 QL ₂ | 1992 03 03.26667 | 11 04 57.70 | +06 31 06.7 | 15.3 | 7 809 |
| 1988 CF ₃ | 1992 04 07.10451 | 10 26 31.91 | +08 27 15.1 | 17.8 | 7 809 | 1990 QL ₂ | 1992 04 06.15243 | 10 39 04.34 | +10 16 07.3 | 16.7 | 7 809 |
| 1988 DE ₂ | 1992 02 29.23611 | 11 13 50.29 | +11 16 00.9 | 16.4 | 7 809 | 1990 QK ₃ | 1992 03 06.09722 | 10 44 07.34 | +10 02 12.3 | 18.6 | 7 809 |
| 1988 DE ₂ | 1992 03 03.20000 | 11 11 14.37 | +11 35 47.7 | 15.3 | 7 809 | 1990 QK ₃ | 1992 03 08.17222 | 10 42 13.64 | +10 18 58.7 | 19.7 | 7 809 |
| 1988 DE ₂ | 1992 03 07.23125 | 11 07 38.74 | +12 01 28.3 | 16.4 | 7 809 | 1990 QK ₃ | 1992 03 09.08958 | 10 41 24.31 | +10 26 16.0 | 19.7 | 7 809 |
| 1988 DE ₂ | 1992 04 06.15243 | 10 47 51.45 | +13 41 17.0 | 16.7 | 7 809 | 1990 QK ₃ | 1992 04 06.11007 | 10 23 41.98 | +13 04 24.5 | 17.8 | 7 809 |
| 1988 DJ ₂ | 1992 03 02.14305 | 10 32 29.02 | +08 47 18.4 | | 7 809 | 1990 RH ₂ | 1992 03 06.09722 | 10 35 16.20 | +09 42 25.6 | 19.7 | 7 809 |
| 1988 DJ ₂ | 1992 03 04.09375 | 10 30 35.68 | +08 57 38.9 | 20.8 | 7 809 | 1990 RK ₂ | 1992 03 01.28750 | 11 05 45.07 | +04 46 03.2 | 16.4 | 7 809 |
| 1988 LC | 1993 08 15.25764 | 23 43 39.63 | -02 34 29.1 | 18.0 | 4 809 | 1990 RK ₂ | 1992 03 06.23750 | 11 00 43.17 | +05 23 43.0 | 16.4 | 7 809 |
| 1988 LC | 1993 08 15.27083 | 23 43 39.26 | -02 34 34.8 | | 4 809 | 1990 RK ₂ | 1992 04 07.14618 | 10 35 39.18 | +08 38 59.7 | 17.8 | 7 809 |
| 1988 LC | 1993 08 15.28403 | 23 43 38.80 | -02 34 41.4 | | 4 809 | 1990 RC ₈ | 1992 02 29.23611 | 11 06 05.10 | +10 27 46.5 | 18.6 | 7 809 |
| 1988 VO ₃ | 1994 02 08.24653 | 11 22 45.49 | +08 33 48.2 | 18.5 | 4 809 | 1990 RC ₈ | 1992 03 03.20000 | 11 03 15.24 | +10 54 30.5 | 16.4 | 7 809 |
| 1988 VO ₃ | 1994 02 08.25833 | 11 22 44.94 | +08 33 52.9 | | 4 809 | 1990 RC ₈ | 1992 04 06.15243 | 10 38 36.29 | +14 16 30.4 | 18.8 | 7 809 |
| 1988 VO ₃ | 1994 02 08.27014 | 11 22 44.41 | +08 33 54.1 | | 4 809 | 1990 SH ₁ | 1992 04 07.06354 | 09 54 41.06 | +03 55 47.8 | 18.8 | 7 809 |
| 1989 AK | 1993 10 21.22986 | 02 06 54.11 | +06 07 21.9 | 18.0 | 4 809 | 1990 ST ₁₀ | 1992 03 06.09722 | 10 55 28.15 | +07 02 04.3 | 16.4 | 7 809 |
| 1989 AK | 1993 10 21.24306 | 02 06 53.43 | +06 07 19.2 | | 4 809 | 1990 ST ₁₀ | 1992 03 08.17222 | 10 53 15.26 | +07 04 10.4 | 16.4 | 7 809 |
| 1989 AK | 1993 10 21.25625 | 02 06 52.74 | +06 07 16.1 | | 4 809 | 1990 ST ₁₀ | 1992 03 09.08958 | 10 52 17.29 | +07 05 03.4 | 17.5 | 7 809 |
| 1989 GT ₃ | 1992 03 01.28750 | 11 03 41.81 | +04 21 19.3 | 16.4 | 7 809 | 1990 ST ₁₀ | 1992 04 07.10451 | 10 29 08.89 | +07 03 45.0 | 17.8 | 7 809 |
| 1989 GT ₃ | 1992 03 03.26667 | 11 01 43.32 | +04 33 26.3 | 15.3 | 7 809 | 1990 SK ₁₁ | 1992 03 01.28750 | 11 03 48.25 | +01 49 07.3 | 16.4 | 7 809 |
| 1989 GT ₃ | 1992 03 06.23750 | 10 58 44.97 | +04 51 47.3 | 16.4 | 7 809 | 1990 SK ₁₁ | 1992 03 03.26667 | 11 01 49.59 | +02 00 35.3 | 16.4 | 7 809 |
| 1989 GT ₃ | 1992 03 09.15972 | 10 55 50.54 | +05 09 48.0 | 16.4 | 7 809 | 1990 SK ₁₁ | 1992 03 06.23750 | 10 58 51.26 | +02 18 12.3 | 16.4 | 7 809 |
| 1989 GT ₃ | 1992 04 07.14618 | 10 33 33.87 | +07 32 36.1 | 18.8 | 7 809 | 1990 SK ₁₁ | 1992 03 09.15972 | 10 55 56.94 | +02 35 44.5 | 16.4 | 7 809 |
| 1989 GT ₄ | 1992 02 29.16111 | 10 31 07.19 | +06 30 58.7 | 15.3 | 7 809 | 1990 SK ₁₁ | 1992 04 07.14618 | 10 34 11.43 | +05 04 33.7 | 17.8 | 7 809 |
| 1989 GT ₄ | 1992 03 04.09375 | 10 27 15.13 | +06 58 16.1 | 17.5 | 7 809 | 1990 SQ ₁₆ | 1992 03 02.21389 | 10 44 53.46 | +16 29 25.3 | 16.4 | 7 809 |
| 1989 GT ₄ | 1992 03 07.09167 | 10 24 21.59 | +07 18 52.1 | 18.6 | 7 809 | 1990 SQ ₁₆ | 1992 03 05.16458 | 10 41 55.51 | +16 48 15.2 | 16.4 | 7 809 |
| 1989 GT ₄ | 1992 04 06.06285 | 10 04 08.31 | +09 59 39.3 | 17.8 | 7 809 | 1990 SQ ₁₆ | 1992 03 07.16111 | 10 39 57.34 | +17 00 09.0 | 16.4 | 7 809 |
| 1989 NM | 1992 03 04.23889 | 11 18 21.33 | +16 56 25.6 | 16.4 | 7 809 | 1990 SQ ₁₆ | 1992 04 04.11840 | 10 20 24.17 | +18 19 51.3 | 16.7 | 7 809 |
| 1989 NM | 1992 03 09.22986 | 11 13 55.67 | +17 29 03.0 | 17.5 | 7 809 | 1990 TJ | 1992 03 01.14722 | 10 31 49.79 | +17 38 21.1 | 17.5 | 7 809 |
| 1989 NM | 1992 04 04.16354 | 10 53 39.00 | +19 12 36.9 | 18.8 | 7 809 | 1990 TJ | 1992 04 04.06979 | 10 08 59.26 | +18 33 47.0 | 17.8 | 7 809 |
| 1989 TO | 1994 02 08.24653 | 11 18 32.74 | +10 58 52.2 | 18.0 | 4 809 | 1990 TL ₆ | 1992 03 02.27326 | 10 49 45.64 | +03 37 51.9 | 17.5 | 7 809 |
| 1989 TO | 1994 02 08.25833 | 11 18 31.72 | +10 58 47.4 | | 4 809 | 1990 TL ₆ | 1992 03 05.23750 | 10 46 36.72 | +03 53 37.8 | 18.6 | 7 809 |
| 1989 TO | 1994 02 08.27014 | 11 18 30.70 | +10 58 41.7 | | 4 809 | 1990 TL ₆ | 1992 04 07.10451 | 10 20 27.17 | +06 17 54.6 | 19.8 | 7 809 |
| 1989 TO | 1994 02 10.23056 | 11 15 46.17 | +10 44 53.0 | | 4 809 | 1990 UJ ₂ | 1992 03 01.14722 | 10 15 28.94 | +13 26 06.6 | 17.5 | 7 809 |
| 1989 TO | 1994 02 10.24236 | 11 15 45.17 | +10 44 48.7 | | 4 809 | 1990 UJ ₂ | 1992 04 04.06979 | 09 55 14.54 | +15 33 56.0 | 20.9 | 7 809 |

| | | | | | | | | | | | |
|-----------------------|------------------|-------------|-------------|------|-------|----------------------|--------------------|-------------|-------------|------|-------|
| 1990 VZ | 1992 02 29.23611 | 11 01 31.39 | +10 04 47.8 | 17.5 | 7 809 | 1992 CE ₁ | 1992 03 08.09931 | 10 27 59.50 | +03 48 30.4 | 14.2 | 7 809 |
| 1990 VZ | 1992 03 03.20000 | 10 59 10.43 | +10 18 12.4 | 16.4 | 7 809 | 1992 CE ₁ | 1992 04 07.10451 | 10 14 57.68 | +08 14 28.6 | 16.7 | 7 809 |
| 1990 VZ | 1992 03 08.17222 | 10 55 15.57 | +10 39 48.0 | 17.5 | 7 809 | 1992 CG ₁ | 1992 03 01.14722 | 10 28 46.52 | +13 18 30.3 | 16.4 | 7 809 |
| 1990 VZ | 1992 03 09.08958 | 10 54 32.96 | +10 43 37.3 | 18.6 | 7 809 | 1992 CG ₁ | 1992 03 04.16597 | 10 26 25.81 | +13 34 10.6 | 16.4 | 7 809 |
| 1990 VZ | 1992 04 06.15243 | 10 37 13.86 | +12 02 27.0 | 18.8 | 7 809 | 1992 CG ₁ | 1992 03 06.16389 | 10 24 54.34 | +13 44 08.9 | 16.4 | 7 809 |
| 1990 VE ₁ | 1992 03 01.14722 | 10 14 49.45 | +16 46 36.5 | 17.5 | 7 809 | 1992 CG ₁ | 1992 04 04.06979 | 10 09 15.37 | +15 14 23.3 | 15.7 | 7 809 |
| 1990 VY ₂ | 1992 03 01.14722 | 10 19 55.73 | +13 36 32.9 | 17.5 | 7 809 | 1992 DB | 1992 02 29.23611 | 11 17 59.85 | +09 45 02.1 | 16.4 | 7 809 |
| 1990 VY ₂ | 1992 03 04.16597 | 10 17 09.47 | +13 48 14.9 | 17.5 | 7 809 | 1992 DB | 1992 03 03.20000 | 11 15 22.44 | +10 09 46.2 | 15.3 | 7 809 |
| 1990 VY ₂ | 1992 04 04.06979 | 09 56 56.12 | +14 50 16.8 | 16.7 | 7 809 | 1992 DB | 1992 03 07.23125 | 11 11 42.97 | +10 42 41.6 | 15.3 | 7 809 |
| 1990 VR ₃ | 1992 04 04.11840 | 10 30 28.45 | +18 57 11.4 | 17.8 | 7 809 | 1992 DB | 1992 04 06.15243 | 10 50 23.78 | +13 23 18.7 | 16.7 | 7 809 |
| 1990 VC ₁₅ | 1992 03 01.28750 | 11 07 49.42 | +04 13 27.2 | 16.4 | 7 809 | 1992 DF | 1992 03 01.14722 | 10 29 49.28 | +13 52 00.0 | 17.5 | 7 809 |
| 1990 VC ₁₅ | 1992 03 03.26667 | 11 06 12.31 | +04 26 07.5 | 15.3 | 7 809 | 1992 DF | 1992 03 04.16597 | 10 26 57.95 | +14 12 38.2 | 16.4 | 7 809 |
| 1990 VC ₁₅ | 1992 03 06.23750 | 11 03 46.11 | +04 45 14.2 | 16.4 | 7 809 | 1992 DF | 1992 03 06.16389 | 10 25 07.50 | +14 25 36.7 | 17.5 | 7 809 |
| 1990 VC ₁₅ | 1992 04 07.14618 | 10 42 48.50 | +07 38 04.4 | 17.8 | 7 809 | 1992 DF | 1992 04 04.06979 | 10 07 52.02 | +16 12 08.8 | 16.7 | 7 809 |
| 1990 WS ₄ | 1992 03 06.23750 | 11 17 37.17 | +05 23 07.9 | 15.3 | 7 809 | 1992 DG | 1992 03 01.14722 | 10 31 38.76 | +15 35 21.1 | 16.4 | 7 809 |
| 1991 AA | 1992 03 01.14722 | 10 32 01.08 | +15 57 36.3 | 16.4 | 7 809 | 1992 DG | 1992 03 04.16597 | 10 29 05.58 | +16 10 19.2 | 17.5 | 7 809 |
| 1991 AA | 1992 03 04.16597 | 10 29 44.15 | +16 07 51.8 | 17.5 | 7 809 | 1992 DG | 1992 03 06.16389 | 10 27 25.13 | +16 32 57.0 | 17.5 | 7 809 |
| 1991 AA | 1992 03 06.16389 | 10 28 15.00 | +16 14 15.3 | 17.5 | 7 809 | 1992 DZ | 1992 03 01.22222 | 11 17 20.30 | +14 38 34.4 | 16.4 | 7 809 |
| 1991 AA | 1992 04 04.11840 | 10 11 43.33 | +17 00 36.0 | 18.8 | 7 809 | 1992 DZ | 1992 03 04.23889 | 11 15 05.43 | +15 15 40.8 | 16.4 | 7 809 |
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| 1991 LH ₁ | 1994 02 08.24653 | 11 13 59.81 | +08 06 01.8 | 18.3 | 4 809 | 1992 DZ ₂ | 1992 03 09.08958 | 10 38 30.81 | +10 51 05.5 | 17.5 | 7 809 |
| 1991 LH ₁ | 1994 02 08.25833 | 11 13 59.24 | +08 06 05.3 | | 4 809 | 1992 DZ ₂ | 1992 04 06.11007 | 10 21 49.15 | +12 06 31.2 | 16.7 | 7 809 |
| 1991 LH ₁ | 1994 02 08.27014 | 11 13 58.77 | +08 06 09.0 | | 4 809 | 1992 EB | 1992 03 01.28750 | 11 17 51.19 | +03 54 25.3 | 16.4 | 7 809 |
| 1991 LH ₁ | 1994 02 10.23056 | 11 12 41.20 | +08 17 08.8 | | 4 809 | 1992 EB | 1992 03 03.26667 | 11 15 50.20 | +04 06 13.3 | 15.3 | 7 809 |
| 1991 LH ₁ | 1994 02 10.24236 | 11 12 40.53 | +08 17 13.5 | | 4 809 | 1992 EB | 1992 03 06.23750 | 11 12 46.60 | +04 24 11.2 | 16.4 | 7 809 |
| 1991 LH ₁ | 1994 02 10.25417 | 11 12 40.10 | +08 17 15.3 | | 4 809 | 1992 EB | 1992 04 07.14618 | 10 46 12.47 | +06 59 38.2 | 17.8 | 7 809 |
| 1991 LH ₁ | 1994 02 13.23750 | 11 10 31.63 | +08 34 51.7 | 18.4 | 4 809 | 1992 EE | 1993 08 15.25764 | 23 32 41.43 | -05 15 56.7 | 18.5 | 4 809 |
| 1991 LH ₁ | 1994 02 13.24931 | 11 10 31.01 | +08 34 56.2 | | 4 809 | 1992 EE | 1993 08 15.27083 | 23 32 40.75 | -05 15 59.3 | | 4 809 |
| 1991 LH ₁ | 1994 02 13.26111 | 11 10 30.37 | +08 35 00.4 | | 4 809 | 1992 EE | 1993 08 15.28403 | 23 32 40.08 | -05 16 01.3 | | 4 809 |
| 1991 NZ ₆ | 1994 02 08.24653 | 11 18 01.93 | +08 54 22.8 | 18.3 | 4 809 | 1992 EY ₃ | * 1992 03 01.14722 | 10 18 05.24 | +14 09 04.7 | 17.5 | 7 809 |
| 1991 NZ ₆ | 1994 02 08.25833 | 11 18 01.45 | +08 54 26.4 | | 4 809 | 1992 EY ₃ | 1992 03 04.16597 | 10 15 36.54 | +14 37 07.8 | 17.5 | 7 809 |
| 1991 NZ ₆ | 1994 02 08.27014 | 11 18 00.99 | +08 54 30.1 | | 4 809 | 1992 EY ₃ | 1992 03 06.16389 | 10 14 00.37 | +14 55 10.8 | 17.5 | 7 809 |
| 1991 NZ ₆ | 1994 02 10.23056 | 11 16 51.06 | +09 05 16.7 | | 4 809 | 1992 EY ₃ | 1992 04 04.06979 | 09 57 44.30 | +18 09 14.3 | 17.8 | 7 809 |
| 1991 NZ ₆ | 1994 02 10.24236 | 11 16 50.47 | +09 05 21.5 | | 4 809 | 1992 EZ ₃ | * 1992 03 01.14722 | 10 18 06.69 | +15 52 38.5 | 20.8 | 7 809 |
| 1991 NZ ₆ | 1994 02 10.25417 | 11 16 49.96 | +09 05 24.8 | | 4 809 | 1992 EZ ₃ | 1992 03 04.16597 | 10 15 51.93 | +16 14 19.1 | 20.8 | 7 809 |
| 1991 NZ ₆ | 1994 02 13.24931 | 11 14 55.35 | +09 22 29.2 | 18.4 | 4 809 | 1992 EZ ₃ | 1992 03 06.16389 | 10 14 25.08 | +16 28 05.5 | 22.0 | 7 809 |
| 1991 NZ ₆ | 1994 02 13.26111 | 11 14 54.84 | +09 22 33.5 | | 4 809 | 1992 EA ₄ | * 1992 03 01.14722 | 10 18 50.48 | +13 59 51.5 | 17.5 | 7 809 |
| 1991 RX ₂₃ | 1994 02 08.24653 | 11 15 06.24 | +09 28 02.7 | 18.3 | 4 809 | 1992 EA ₄ | 1992 03 04.16597 | 10 16 09.25 | +14 19 42.3 | 17.5 | 7 809 |
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| 1991 RX ₂₃ | 1994 02 08.27014 | 11 15 05.23 | +09 28 05.3 | | 4 809 | 1992 EB ₄ | * 1992 03 01.14722 | 10 19 38.85 | +15 34 33.6 | 17.5 | 7 809 |
| 1991 RX ₂₃ | 1994 02 10.23056 | 11 13 47.49 | +09 32 36.6 | | 4 809 | 1992 EB ₄ | 1992 03 04.16597 | 10 17 15.62 | +16 00 25.4 | 17.5 | 7 809 |
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| 1991 RX ₂₃ | 1994 02 13.26111 | 11 11 39.44 | +09 39 57.7 | | 4 809 | 1992 ED ₄ | * 1992 03 01.14722 | 10 21 22.48 | +13 11 27.9 | 16.4 | 7 809 |
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| 1992 CE ₁ | 1992 02 29.16111 | 10 33 09.94 | +02 29 11.4 | 15.3 | 7 809 | 1992 ED ₄ | 1992 03 06.16389 | 10 17 42.47 | +13 34 43.1 | 17.5 | 7 809 |
| 1992 CE ₁ | 1992 03 03.13333 | 10 31 11.80 | +02 58 47.6 | 16.4 | 7 809 | 1992 EE ₄ | * 1992 03 01.14722 | 10 21 26.56 | +16 00 02.2 | 19.7 | 7 809 |
| 1992 CE ₁ | 1992 03 05.09236 | 10 29 55.01 | +03 18 24.5 | 16.4 | 7 809 | 1992 EE ₄ | 1992 03 04.16597 | 10 18 24.66 | +16 05 25.4 | 19.7 | 7 809 |

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|----------------------|--------------------|-------------|-------------|------|-------|----------------------|--------------------|-------------|-------------|------|-------|
| 1992 EE ₄ | 1992 03 06.16389 | 10 16 27.24 | +16 08 22.2 | 22.0 | 7 809 | 1992 EV ₄ | 1992 03 06.16389 | 10 26 11.17 | +14 29 11.6 | 18.6 | 7 809 |
| 1992 EF ₄ | * 1992 03 01.14722 | 10 22 36.76 | +13 16 57.0 | 19.7 | 7 809 | 1992 EV ₄ | 1992 04 04.06979 | 10 10 50.46 | +16 35 25.8 | 17.8 | 7 809 |
| 1992 EF ₄ | 1992 03 04.16597 | 10 20 06.89 | +13 34 00.8 | 19.7 | 7 809 | 1992 EW ₄ | * 1992 03 01.14722 | 10 31 08.16 | +15 52 44.6 | 18.6 | 7 809 |
| 1992 EF ₄ | 1992 03 06.16389 | 10 18 31.23 | +13 44 39.8 | 22.0 | 7 809 | 1992 EW ₄ | 1992 03 04.16597 | 10 28 03.90 | +15 49 09.2 | 18.6 | 7 809 |
| 1992 EG ₄ | * 1992 03 01.14722 | 10 22 37.55 | +15 04 39.9 | 17.5 | 7 809 | 1992 EW ₄ | 1992 03 06.16389 | 10 26 04.62 | +15 46 00.7 | 20.8 | 7 809 |
| 1992 EG ₄ | 1992 03 04.16597 | 10 20 18.93 | +15 17 05.0 | 18.6 | 7 809 | 1992 EX ₄ | * 1992 03 01.14722 | 10 31 45.52 | +15 05 24.7 | 18.6 | 7 809 |
| 1992 EG ₄ | 1992 03 06.16389 | 10 18 49.70 | +15 24 46.7 | 18.6 | 7 809 | 1992 EX ₄ | 1992 03 04.16597 | 10 29 20.01 | +15 38 58.8 | 19.7 | 7 809 |
| 1992 EG ₄ | 1992 04 04.06979 | 10 04 42.61 | +16 17 11.4 | 21.9 | 7 809 | 1992 EX ₄ | 1992 03 06.16389 | 10 27 45.38 | +16 00 33.4 | 20.8 | 7 809 |
| 1992 EH ₄ | * 1992 03 01.14722 | 10 23 00.35 | +13 42 41.3 | 17.5 | 7 809 | 1992 EY ₄ | * 1992 03 01.14722 | 10 18 08.76 | +13 10 47.9 | 19.7 | 7 809 |
| 1992 EH ₄ | 1992 03 04.16597 | 10 20 20.51 | +14 01 58.0 | 17.5 | 7 809 | 1992 EY ₄ | 1992 03 04.16597 | 10 16 02.11 | +13 31 26.8 | 19.7 | 7 809 |
| 1992 EH ₄ | 1992 03 06.16389 | 10 18 38.62 | +14 13 58.5 | 17.5 | 7 809 | 1992 EY ₄ | 1992 03 06.16389 | 10 14 40.34 | +13 44 43.4 | 20.8 | 7 809 |
| 1992 EJ ₄ | * 1992 03 01.14722 | 10 23 13.50 | +13 40 02.5 | 17.5 | 7 809 | 1992 EZ ₄ | * 1992 03 01.14722 | 10 18 51.09 | +16 38 48.5 | 18.6 | 7 809 |
| 1992 EJ ₄ | 1992 03 04.16597 | 10 20 03.92 | +13 59 57.3 | 17.5 | 7 809 | 1992 EZ ₄ | 1992 03 04.16597 | 10 15 52.36 | +16 55 25.7 | 18.6 | 7 809 |
| 1992 EJ ₄ | 1992 03 06.16389 | 10 18 01.38 | +14 12 29.6 | 18.6 | 7 809 | 1992 EZ ₄ | 1992 03 06.16389 | 10 13 57.04 | +17 05 44.6 | 20.8 | 7 809 |
| 1992 EJ ₄ | 1992 04 04.06979 | 09 59 08.53 | +15 49 59.9 | 17.8 | 7 809 | 1992 EZ ₄ | 1992 04 04.06979 | 09 54 50.18 | +18 21 11.4 | 18.8 | 7 809 |
| 1992 EK ₄ | * 1992 03 01.14722 | 10 23 33.25 | +13 05 27.9 | 18.6 | 7 809 | 1992 EA ₅ | * 1992 03 01.14722 | 10 19 00.73 | +13 33 52.4 | 18.6 | 7 809 |
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| 1992 EK ₄ | 1992 03 06.16389 | 10 19 26.65 | +14 07 40.8 | 20.8 | 7 809 | 1992 EA ₅ | 1992 03 06.16389 | 10 14 46.68 | +14 12 42.0 | 19.7 | 7 809 |
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| 1992 EL ₄ | 1992 03 04.16597 | 10 21 45.18 | +13 48 26.3 | 17.5 | 7 809 | 1992 EB ₅ | 1992 03 04.16597 | 10 19 45.26 | +13 09 49.4 | 16.4 | 7 809 |
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| 1992 EM ₄ | * 1992 03 01.14722 | 10 24 34.95 | +16 32 25.2 | 18.6 | 7 809 | 1992 EC ₅ | * 1992 03 01.14722 | 10 23 06.34 | +17 24 21.1 | 17.5 | 7 809 |
| 1992 EM ₄ | 1992 03 04.16597 | 10 22 03.42 | +16 51 24.5 | 18.6 | 7 809 | 1992 EC ₅ | 1992 03 04.16597 | 10 19 49.10 | +17 22 53.1 | 18.6 | 7 809 |
| 1992 EM ₄ | 1992 03 06.16389 | 10 20 26.64 | +17 03 07.0 | 19.7 | 7 809 | 1992 EC ₅ | 1992 03 06.16389 | 10 17 44.02 | +17 21 03.5 | 18.6 | 7 809 |
| 1992 EN ₄ | * 1992 03 01.14722 | 10 25 13.49 | +13 23 05.3 | 17.5 | 7 809 | 1992 ED ₅ | * 1992 03 01.14722 | 10 23 15.11 | +17 17 08.5 | 17.5 | 7 809 |
| 1992 EN ₄ | 1992 03 04.16597 | 10 22 31.83 | +13 42 37.7 | 18.6 | 7 809 | 1992 ED ₅ | 1992 03 04.16597 | 10 20 13.79 | +17 16 46.2 | 17.5 | 7 809 |
| 1992 EN ₄ | 1992 03 06.16389 | 10 20 48.49 | +13 54 51.5 | 19.7 | 7 809 | 1992 ED ₅ | 1992 03 06.16389 | 10 18 17.48 | +17 15 55.2 | 18.6 | 7 809 |
| 1992 EO ₄ | * 1992 03 01.14722 | 10 25 40.50 | +16 29 24.7 | 18.6 | 7 809 | 1992 ED ₅ | 1992 04 04.06979 | 09 59 35.79 | +16 07 54.9 | 20.9 | 7 809 |
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| 1992 EO ₄ | 1992 03 06.16389 | 10 20 59.11 | +17 03 32.1 | 18.6 | 7 809 | 1992 EE ₅ | 1992 03 04.16597 | 10 21 56.63 | +13 07 46.5 | 20.8 | 7 809 |
| 1992 EP ₄ | * 1992 03 01.14722 | 10 26 00.73 | +14 01 07.7 | 17.5 | 7 809 | 1992 EE ₅ | 1992 03 06.16389 | 10 19 53.45 | +13 11 34.9 | 19.7 | 7 809 |
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| 1992 EQ ₄ | * 1992 03 01.14722 | 10 26 51.22 | +14 39 16.5 | 20.8 | 7 809 | 1992 EF ₅ | 1992 03 06.16389 | 10 22 57.65 | +13 06 41.2 | 20.8 | 7 809 |
| 1992 EQ ₄ | 1992 03 04.16597 | 10 24 02.31 | +15 01 40.5 | 20.8 | 7 809 | 1992 EG ₅ | * 1992 03 01.14722 | 10 29 43.43 | +16 50 31.6 | 20.8 | 7 809 |
| 1992 EQ ₄ | 1992 03 06.16389 | 10 22 13.75 | +15 15 43.6 | 22.0 | 7 809 | 1992 EG ₅ | 1992 03 04.16597 | 10 26 59.25 | +17 07 42.5 | 22.0 | 7 809 |
| 1992 ER ₄ | * 1992 03 01.14722 | 10 27 07.09 | +14 45 17.3 | 17.5 | 7 809 | 1992 EG ₅ | 1992 03 06.16389 | 10 25 13.92 | +17 18 11.9 | 22.0 | 7 809 |
| 1992 ER ₄ | 1992 03 04.16597 | 10 24 39.02 | +14 58 36.0 | 17.5 | 7 809 | 1992 EH ₅ | * 1992 03 01.14722 | 10 29 44.84 | +16 37 16.3 | 18.6 | 7 809 |
| 1992 ER ₄ | 1992 03 06.16389 | 10 23 02.97 | +15 06 57.1 | 18.6 | 7 809 | 1992 EH ₅ | 1992 03 04.16597 | 10 26 56.34 | +16 58 24.3 | 18.6 | 7 809 |
| 1992 ER ₄ | 1992 04 04.06979 | 10 06 23.36 | +16 12 48.8 | 19.8 | 7 809 | 1992 EH ₅ | 1992 03 06.16389 | 10 25 07.74 | +17 11 26.6 | 19.7 | 7 809 |
| 1992 ES ₄ | * 1992 03 01.14722 | 10 28 49.63 | +15 10 07.9 | 18.6 | 7 809 | 1992 EJ ₅ | * 1992 03 01.14722 | 10 29 57.61 | +13 37 45.0 | 18.6 | 7 809 |
| 1992 ES ₄ | 1992 03 04.16597 | 10 26 22.72 | +15 27 43.8 | 18.6 | 7 809 | 1992 EJ ₅ | 1992 03 04.16597 | 10 26 59.20 | +13 57 14.0 | 17.5 | 7 809 |
| 1992 ES ₄ | 1992 03 06.16389 | 10 24 47.77 | +15 38 46.6 | 18.6 | 7 809 | 1992 EJ ₅ | 1992 03 06.16389 | 10 25 03.47 | +14 09 30.7 | 18.6 | 7 809 |
| 1992 ET ₄ | * 1992 03 01.14722 | 10 29 02.56 | +16 02 51.6 | 18.6 | 7 809 | 1992 EK ₅ | * 1992 03 01.14722 | 10 30 00.23 | +16 53 10.4 | 18.6 | 7 809 |
| 1992 ET ₄ | 1992 03 04.16597 | 10 25 37.71 | +15 56 20.1 | 18.6 | 7 809 | 1992 EK ₅ | 1992 03 04.16597 | 10 27 10.45 | +17 08 32.1 | 18.6 | 7 809 |
| 1992 ET ₄ | 1992 03 06.16389 | 10 23 24.96 | +15 51 18.3 | 20.8 | 7 809 | 1992 EK ₅ | 1992 03 06.16389 | 10 25 21.04 | +17 17 55.5 | 19.7 | 7 809 |
| 1992 ET ₄ | 1992 04 06.06285 | 10 01 20.63 | +13 19 41.2 | 18.8 | 7 809 | 1992 EL ₅ | * 1992 03 01.14722 | 10 32 41.93 | +17 07 25.2 | 22.0 | 7 809 |
| 1992 EU ₄ | * 1992 03 01.14722 | 10 29 27.06 | +14 14 14.6 | 17.5 | 7 809 | 1992 EL ₅ | 1992 03 04.16597 | 10 30 16.20 | +17 20 50.1 | 19.7 | 7 809 |
| 1992 EU ₄ | 1992 03 04.16597 | 10 26 26.21 | +14 36 51.5 | 19.7 | 7 809 | 1992 EL ₅ | 1992 03 06.16389 | 10 28 41.78 | +17 29 05.0 | 20.8 | 7 809 |
| 1992 EU ₄ | 1992 03 06.16389 | 10 24 29.48 | +14 51 07.5 | 19.7 | 7 809 | 1992 EM ₅ | * 1992 03 01.14722 | 10 33 23.06 | +15 39 12.1 | 17.5 | 7 809 |
| 1992 EV ₄ | * 1992 03 01.14722 | 10 29 50.94 | +13 57 24.3 | 17.5 | 7 809 | 1992 EM ₅ | 1992 03 04.16597 | 10 30 48.74 | +15 51 59.8 | 17.5 | 7 809 |
| 1992 EV ₄ | 1992 03 04.16597 | 10 27 37.82 | +14 16 45.5 | 17.5 | 7 809 | 1992 EM ₅ | 1992 03 06.16389 | 10 29 08.39 | +15 59 58.4 | 18.6 | 7 809 |

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|----------------------|--------------------|-------------|-------------|------|-------|----------------------|--------------------|-------------|-------------|------|-------|
| 1992 EN ₅ | * 1992 03 01.14722 | 10 33 42.96 | +14 48 37.2 | 22.0 | 7 809 | 1992 ED ₆ | * 1992 03 01.22222 | 10 56 38.50 | +14 26 10.7 | 18.6 | 7 809 |
| 1992 EN ₅ | 1992 03 04.16597 | 10 30 43.42 | +15 06 07.5 | 20.8 | 7 809 | 1992 ED ₆ | 1992 03 02.21389 | 10 55 45.41 | +14 31 28.5 | 18.6 | 7 809 |
| 1992 EN ₅ | 1992 03 06.16389 | 10 28 46.40 | +15 17 09.5 | 20.8 | 7 809 | 1992 ED ₆ | 1992 03 05.16458 | 10 53 07.41 | +14 46 41.3 | 18.6 | 7 809 |
| 1992 EO ₅ | * 1992 03 01.14722 | 10 33 45.61 | +16 04 55.2 | 18.6 | 7 809 | 1992 ED ₆ | 1992 03 07.16111 | 10 51 21.12 | +14 56 30.5 | 18.6 | 7 809 |
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| 1992 EO ₅ | 1992 03 06.16389 | 10 28 58.50 | +16 43 11.3 | 20.8 | 7 809 | 1992 EE ₆ | 1992 03 02.21389 | 10 55 50.94 | +14 19 59.2 | 17.5 | 7 809 |
| 1992 EP ₅ | * 1992 03 01.14722 | 10 34 47.66 | +14 53 32.5 | 17.5 | 7 809 | 1992 EE ₆ | 1992 03 05.16458 | 10 53 09.94 | +14 46 11.7 | 17.5 | 7 809 |
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| 1992 EP ₅ | 1992 04 04.11840 | 10 13 09.18 | +17 58 41.2 | 19.8 | 7 809 | 1992 EF ₆ | 1992 03 02.21389 | 10 56 11.66 | +14 30 53.8 | 20.8 | 7 809 |
| 1992 EQ ₅ | * 1992 03 01.14722 | 10 34 49.55 | +13 18 35.5 | 18.6 | 7 809 | 1992 EF ₆ | 1992 03 05.16458 | 10 53 37.74 | +14 50 54.1 | 20.8 | 7 809 |
| 1992 EQ ₅ | 1992 03 04.16597 | 10 32 26.16 | +13 33 38.7 | 19.7 | 7 809 | 1992 EF ₆ | 1992 03 07.16111 | 10 51 53.40 | +15 03 55.3 | 22.0 | 7 809 |
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| 1992 ER ₅ | 1992 03 05.16458 | 10 37 16.03 | +14 54 40.2 | 22.0 | 7 809 | 1992 EG ₆ | 1992 03 05.16458 | 10 54 49.73 | +14 34 22.5 | 16.4 | 7 809 |
| 1992 ER ₅ | 1992 03 07.16111 | 10 35 43.85 | +15 12 04.8 | 22.0 | 7 809 | 1992 EG ₆ | 1992 03 07.16111 | 10 53 19.45 | +14 48 12.9 | 17.5 | 7 809 |
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| 1992 ES ₅ | 1992 03 05.16458 | 10 37 31.01 | +14 31 05.2 | 17.5 | 7 809 | 1992 EH ₆ | * 1992 03 01.22222 | 10 58 26.15 | +16 56 11.2 | 17.5 | 7 809 |
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| 1992 ET ₅ | * 1992 03 02.21389 | 10 40 38.05 | +13 53 23.2 | 20.8 | 7 809 | 1992 EH ₆ | 1992 03 05.16458 | 10 54 33.60 | +17 16 49.9 | 18.6 | 7 809 |
| 1992 ET ₅ | 1992 03 05.16458 | 10 38 31.66 | +14 08 36.5 | 20.8 | 7 809 | 1992 EH ₆ | 1992 03 07.16111 | 10 52 37.65 | +17 26 22.5 | 18.6 | 7 809 |
| 1992 ET ₅ | 1992 03 07.16111 | 10 37 07.29 | +14 18 31.2 | 19.7 | 7 809 | 1992 EJ ₆ | * 1992 03 01.22222 | 11 03 25.47 | +12 51 44.9 | 18.6 | 7 809 |
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| 1992 EU ₅ | 1992 03 05.16458 | 10 39 02.57 | +14 53 25.1 | 16.4 | 7 809 | 1992 EJ ₆ | 1992 03 09.22986 | 10 56 54.22 | +13 43 33.5 | 20.8 | 7 809 |
| 1992 EU ₅ | 1992 03 07.16111 | 10 37 31.16 | +15 02 48.6 | 16.4 | 7 809 | 1992 EK ₆ | * 1992 03 01.22222 | 11 04 06.34 | +16 05 36.0 | 18.6 | 7 809 |
| 1992 EU ₅ | 1992 04 04.11840 | 10 22 21.62 | +16 13 32.9 | 17.8 | 7 809 | 1992 EK ₆ | 1992 03 04.23889 | 11 01 32.58 | +16 24 08.7 | 17.5 | 7 809 |
| 1992 EV ₅ | * 1992 03 02.21389 | 10 43 29.44 | +14 45 31.0 | 17.5 | 7 809 | 1992 EK ₆ | 1992 03 09.22986 | 10 57 19.46 | +16 52 15.4 | 18.6 | 7 809 |
| 1992 EV ₅ | 1992 03 05.16458 | 10 40 45.14 | +15 11 35.7 | 17.5 | 7 809 | 1992 EL ₆ | * 1992 03 01.22222 | 11 04 37.08 | +15 13 28.6 | 19.7 | 7 809 |
| 1992 EV ₅ | 1992 03 07.16111 | 10 38 55.40 | +15 28 31.0 | 17.5 | 7 809 | 1992 EL ₆ | 1992 03 04.23889 | 11 02 29.92 | +15 37 59.5 | 20.8 | 7 809 |
| 1992 EW ₅ | * 1992 03 02.21389 | 10 46 30.90 | +14 00 15.1 | 19.7 | 7 809 | 1992 EL ₆ | 1992 03 09.22986 | 10 58 59.30 | +16 16 34.8 | 20.8 | 7 809 |
| 1992 EW ₅ | 1992 03 05.16458 | 10 43 26.89 | +14 21 12.6 | 18.6 | 7 809 | 1992 EM ₆ | * 1992 03 01.22222 | 11 04 40.95 | +13 40 58.6 | 17.5 | 7 809 |
| 1992 EW ₅ | 1992 03 07.16111 | 10 41 23.77 | +14 34 47.6 | 19.7 | 7 809 | 1992 EM ₆ | 1992 03 04.23889 | 11 01 53.28 | +13 57 20.2 | 18.6 | 7 809 |
| 1992 EX ₅ | * 1992 03 02.21389 | 10 46 57.61 | +13 31 14.6 | 18.6 | 7 809 | 1992 EM ₆ | 1992 03 09.22986 | 10 57 17.63 | +14 21 29.7 | 18.6 | 7 809 |
| 1992 EX ₅ | 1992 03 05.16458 | 10 44 46.29 | +13 55 09.2 | 18.6 | 7 809 | 1992 EN ₆ | * 1992 03 01.22222 | 11 04 46.91 | +15 38 38.8 | 20.8 | 7 809 |
| 1992 EX ₅ | 1992 03 07.16111 | 10 43 18.31 | +14 10 52.1 | 18.6 | 7 809 | 1992 EN ₆ | 1992 03 04.23889 | 11 02 40.55 | +16 09 38.9 | 19.7 | 7 809 |
| 1992 EY ₅ | * 1992 03 02.21389 | 10 48 25.49 | +14 17 50.8 | 17.5 | 7 809 | 1992 EN ₆ | 1992 03 09.22986 | 10 59 10.92 | +16 58 48.8 | 20.8 | 7 809 |
| 1992 EY ₅ | 1992 03 05.16458 | 10 46 06.54 | +14 53 48.1 | 17.5 | 7 809 | 1992 EO ₆ | * 1992 03 01.22222 | 11 05 20.75 | +14 38 00.1 | 17.5 | 7 809 |
| 1992 EY ₅ | 1992 03 07.16111 | 10 44 33.59 | +15 17 25.2 | 17.5 | 7 809 | 1992 EO ₆ | 1992 03 04.23889 | 11 02 31.56 | +14 52 32.3 | 18.6 | 7 809 |
| 1992 EY ₅ | 1992 04 04.11840 | 10 29 20.73 | +19 13 33.5 | 18.8 | 7 809 | 1992 EO ₆ | 1992 03 09.22986 | 10 57 54.74 | +15 14 14.6 | 18.6 | 7 809 |
| 1992 EZ ₅ | * 1992 03 02.21389 | 10 48 54.33 | +13 18 31.0 | 17.5 | 7 809 | 1992 EO ₆ | 1992 04 04.16354 | 10 39 14.78 | +16 04 38.0 | 21.9 | 7 809 |
| 1992 EZ ₅ | 1992 03 05.16458 | 10 46 13.42 | +13 42 24.3 | 18.6 | 7 809 | 1992 EP ₆ | * 1992 03 01.22222 | 11 05 29.43 | +16 44 35.5 | 17.5 | 7 809 |
| 1992 EZ ₅ | 1992 03 07.16111 | 10 44 25.17 | +13 58 06.8 | 18.6 | 7 809 | 1992 EP ₆ | 1992 03 04.23889 | 11 02 33.30 | +17 03 29.9 | 17.5 | 7 809 |
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| 1992 EA ₆ | 1992 03 05.16458 | 10 47 29.00 | +15 01 00.5 | 17.5 | 7 809 | 1992 EP ₆ | 1992 04 04.16354 | 10 38 40.55 | +18 27 19.0 | 18.8 | 7 809 |
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| 1992 EB ₆ | 1992 03 05.16458 | 10 48 31.09 | +14 11 25.8 | 18.6 | 7 809 | 1992 EQ ₆ | 1992 03 09.22986 | 10 58 05.94 | +14 43 25.4 | 19.7 | 7 809 |
| 1992 EB ₆ | 1992 03 07.16111 | 10 46 44.67 | +14 27 35.3 | 18.6 | 7 809 | 1992 ER ₆ | * 1992 03 01.22222 | 11 06 12.67 | +14 37 55.6 | 17.5 | 7 809 |
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| 1992 EC ₆ | 1992 03 05.16458 | 10 49 09.18 | +14 16 07.9 | 17.5 | 7 809 | 1992 ER ₆ | 1992 03 09.22986 | 10 59 56.70 | +15 12 28.2 | 18.6 | 7 809 |
| 1992 EC ₆ | 1992 03 07.16111 | 10 47 06.23 | +14 19 15.7 | 16.4 | 7 809 | 1992 ES ₆ | * 1992 03 01.22222 | 11 06 37.10 | +14 40 53.9 | 17.5 | 7 809 |
| 1992 EC ₆ | 1992 04 06.11007 | 10 27 34.56 | +13 34 16.4 | 17.8 | 7 809 | 1992 ES ₆ | 1992 03 04.23889 | 11 03 59.44 | +15 01 39.4 | 17.5 | 7 809 |

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|----------------------|--------------------|-------------|-------------|------|-------|----------------------|--------------------|-------------|-------------|------|-------|
| 1992 ES ₆ | 1992 03 09.22986 | 10 59 41.10 | +15 33 31.4 | 18.6 | 7 809 | 1992 EH ₇ | 1992 03 09.22986 | 11 06 44.12 | +13 34 57.8 | 19.7 | 7 809 |
| 1992 ES ₆ | 1992 04 04.16354 | 10 42 14.55 | +17 10 59.7 | 20.9 | 7 809 | 1992 EJ ₇ | * 1992 03 01.22222 | 11 13 43.75 | +14 10 03.2 | 16.4 | 7 809 |
| 1992 ET ₆ | * 1992 03 01.22222 | 11 06 40.71 | +16 35 54.4 | 18.6 | 7 809 | 1992 EJ ₇ | 1992 03 04.23889 | 11 11 09.32 | +14 26 24.9 | 16.4 | 7 809 |
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| 1992 ET ₆ | 1992 03 09.22986 | 10 59 38.76 | +17 14 22.0 | 20.8 | 7 809 | 1992 EJ ₇ | 1992 04 04.16354 | 10 48 17.56 | +16 07 10.1 | 18.8 | 7 809 |
| 1992 EU ₆ | * 1992 03 01.22222 | 11 07 49.87 | +13 38 31.4 | 18.6 | 7 809 | 1992 EK ₇ | * 1992 03 01.22222 | 11 14 17.79 | +14 54 24.5 | 17.5 | 7 809 |
| 1992 EU ₆ | 1992 03 04.23889 | 11 05 05.51 | +14 06 15.7 | 18.6 | 7 809 | 1992 EK ₇ | 1992 03 04.23889 | 11 11 47.99 | +15 06 12.5 | 16.4 | 7 809 |
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| 1992 EV ₆ | * 1992 03 01.22222 | 11 07 51.69 | +14 49 47.6 | 20.8 | 7 809 | 1992 EK ₇ | 1992 04 04.16354 | 10 49 43.18 | +15 53 56.0 | 19.8 | 7 809 |
| 1992 EV ₆ | 1992 03 04.23889 | 11 04 51.12 | +15 11 38.5 | 20.8 | 7 809 | 1992 EL ₇ | * 1992 03 01.22222 | 11 15 08.63 | +14 34 20.3 | 18.6 | 7 809 |
| 1992 EV ₆ | 1992 03 09.22986 | 10 59 47.45 | +15 45 55.3 | 22.0 | 7 809 | 1992 EL ₇ | 1992 03 04.23889 | 11 13 02.31 | +15 03 25.2 | 17.5 | 7 809 |
| 1992 EW ₆ | * 1992 03 01.22222 | 11 08 34.97 | +13 21 22.5 | 22.0 | 7 809 | 1992 EL ₇ | 1992 03 09.22986 | 11 09 32.16 | +15 49 29.0 | 18.6 | 7 809 |
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| 1992 EW ₆ | 1992 03 09.22986 | 11 01 55.66 | +14 32 00.2 | 22.0 | 7 809 | 1992 EM ₇ | 1992 03 04.23889 | 11 12 14.32 | +14 53 52.4 | 17.5 | 7 809 |
| 1992 EX ₆ | * 1992 03 01.22222 | 11 09 01.57 | +12 59 09.0 | 16.4 | 7 809 | 1992 EM ₇ | 1992 03 09.22986 | 11 07 06.79 | +15 14 07.3 | 17.5 | 7 809 |
| 1992 EX ₆ | 1992 03 04.23889 | 11 06 26.10 | +13 36 59.5 | 16.4 | 7 809 | 1992 EM ₇ | 1992 04 04.16354 | 10 44 36.40 | +15 55 42.9 | 19.8 | 7 809 |
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| 1992 EX ₆ | 1992 04 04.16354 | 10 43 36.34 | +18 35 06.3 | 17.8 | 7 809 | 1992 EN ₇ | 1992 03 04.23889 | 11 12 30.42 | +14 37 09.6 | 18.6 | 7 809 |
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| 1992 EY ₆ | 1992 03 04.23889 | 11 07 14.94 | +15 27 25.5 | 17.5 | 7 809 | 1992 EO ₇ | * 1992 03 01.22222 | 11 15 29.73 | +16 42 21.0 | 18.6 | 7 809 |
| 1992 EY ₆ | 1992 03 09.22986 | 11 03 45.37 | +16 05 27.9 | 18.6 | 7 809 | 1992 EO ₇ | 1992 03 04.23889 | 11 12 30.59 | +16 58 19.8 | 18.6 | 7 809 |
| 1992 EZ ₆ | * 1992 03 01.22222 | 11 09 40.16 | +15 39 06.2 | 17.5 | 7 809 | 1992 EO ₇ | 1992 03 09.22986 | 11 07 31.79 | +17 21 10.5 | 18.6 | 7 809 |
| 1992 EZ ₆ | 1992 03 04.23889 | 11 07 02.28 | +16 06 49.9 | 18.6 | 7 809 | 1992 EP ₇ | * 1992 03 01.22222 | 11 16 05.41 | +14 24 35.8 | 18.6 | 7 809 |
| 1992 EZ ₆ | 1992 03 09.22986 | 11 02 36.96 | +16 50 47.0 | 18.6 | 7 809 | 1992 EP ₇ | 1992 03 04.23889 | 11 13 37.94 | +14 53 46.6 | 18.6 | 7 809 |
| 1992 EZ ₆ | 1992 04 04.16354 | 10 42 58.69 | +19 29 48.9 | 20.9 | 7 809 | 1992 EP ₇ | 1992 03 09.22986 | 11 09 28.68 | +15 40 34.5 | 19.7 | 7 809 |
| 1992 EA ₇ | * 1992 03 01.22222 | 11 10 24.92 | +14 41 33.6 | 16.4 | 7 809 | 1992 EP ₇ | 1992 04 04.16354 | 10 50 28.30 | +18 42 07.3 | 21.9 | 7 809 |
| 1992 EA ₇ | 1992 03 04.23889 | 11 07 17.40 | +14 55 47.5 | 17.5 | 7 809 | 1992 EQ ₇ | * 1992 03 01.22222 | 11 16 40.10 | +15 29 16.2 | 20.8 | 7 809 |
| 1992 EA ₇ | 1992 03 09.22986 | 11 02 03.86 | +15 17 08.1 | 18.6 | 7 809 | 1992 EQ ₇ | 1992 03 04.23889 | 11 14 16.27 | +15 42 19.0 | 19.7 | 7 809 |
| 1992 EA ₇ | 1992 04 04.16354 | 10 39 15.18 | +16 01 34.3 | 19.8 | 7 809 | 1992 EQ ₇ | 1992 03 09.22986 | 11 10 15.61 | +16 01 55.2 | 20.8 | 7 809 |
| 1992 EB ₇ | * 1992 03 01.22222 | 11 10 52.20 | +16 04 31.2 | 17.5 | 7 809 | 1992 ER ₇ | * 1992 03 01.22222 | 11 16 54.38 | +12 44 54.0 | 17.5 | 7 809 |
| 1992 EB ₇ | 1992 03 04.23889 | 11 08 14.93 | +16 23 39.3 | 17.5 | 7 809 | 1992 ER ₇ | 1992 03 04.23889 | 11 14 54.74 | +13 18 14.0 | 18.6 | 7 809 |
| 1992 EB ₇ | 1992 03 09.22986 | 11 03 52.92 | +16 52 58.4 | 18.6 | 7 809 | 1992 ER ₇ | 1992 03 09.22986 | 11 11 34.03 | +14 11 58.8 | 18.6 | 7 809 |
| 1992 EB ₇ | 1992 04 04.16354 | 10 45 05.69 | +18 16 53.7 | 19.8 | 7 809 | 1992 ES ₇ | * 1992 03 01.22222 | 11 17 26.98 | +13 11 57.6 | 19.7 | 7 809 |
| 1992 EC ₇ | * 1992 03 01.22222 | 11 11 25.53 | +16 12 56.6 | 22.0 | 7 809 | 1992 ES ₇ | 1992 03 04.23889 | 11 14 35.07 | +13 30 24.9 | 19.7 | 7 809 |
| 1992 EC ₇ | 1992 03 04.23889 | 11 08 35.60 | +16 33 52.0 | 19.7 | 7 809 | 1992 ES ₇ | 1992 03 09.22986 | 11 09 48.06 | +13 59 20.5 | 20.8 | 7 809 |
| 1992 EC ₇ | 1992 03 09.22986 | 11 03 54.08 | +17 05 58.3 | 22.0 | 7 809 | 1992 ET ₇ | * 1992 03 01.22222 | 11 17 32.32 | +15 52 14.4 | 18.6 | 7 809 |
| 1992 ED ₇ | * 1992 03 01.22222 | 11 11 50.26 | +16 26 25.7 | 19.7 | 7 809 | 1992 ET ₇ | 1992 03 04.23889 | 11 14 41.14 | +16 07 18.1 | 19.7 | 7 809 |
| 1992 ED ₇ | 1992 03 04.23889 | 11 09 35.23 | +16 48 59.5 | 18.6 | 7 809 | 1992 ET ₇ | 1992 03 09.22986 | 11 09 55.42 | +16 28 45.4 | 20.8 | 7 809 |
| 1992 ED ₇ | 1992 03 09.22986 | 11 05 50.70 | +17 23 55.0 | 19.7 | 7 809 | 1992 EU ₇ | * 1992 03 01.22222 | 11 18 03.51 | +14 28 55.9 | 16.4 | 7 809 |
| 1992 ED ₇ | 1992 04 04.16354 | 10 50 09.63 | +19 14 24.0 | 19.8 | 7 809 | 1992 EU ₇ | 1992 03 04.23889 | 11 15 08.79 | +14 33 25.0 | 16.4 | 7 809 |
| 1992 EE ₇ | * 1992 03 01.22222 | 11 11 52.82 | +15 16 38.2 | 17.5 | 7 809 | 1992 EU ₇ | 1992 03 09.22986 | 11 10 13.86 | +14 38 16.5 | 18.6 | 7 809 |
| 1992 EE ₇ | 1992 03 04.23889 | 11 09 40.64 | +15 39 11.7 | 16.4 | 7 809 | 1992 EV ₇ | * 1992 03 02.14305 | 10 22 42.56 | +09 10 49.6 | 19.7 | 7 809 |
| 1992 EE ₇ | 1992 03 09.22986 | 11 05 59.91 | +16 14 50.7 | 17.5 | 7 809 | 1992 EV ₇ | 1992 03 04.09375 | 10 21 17.62 | +09 24 13.5 | 19.7 | 7 809 |
| 1992 EE ₇ | 1992 04 04.16354 | 10 49 38.03 | +18 25 14.7 | 18.8 | 7 809 | 1992 EV ₇ | 1992 03 07.09167 | 10 19 09.58 | +09 44 32.0 | 22.0 | 7 809 |
| 1992 EF ₇ | * 1992 03 01.22222 | 11 12 06.02 | +13 25 48.8 | 17.5 | 7 809 | 1992 EW ₇ | * 1992 03 02.14305 | 10 23 03.46 | +08 07 16.6 | 17.5 | 7 809 |
| 1992 EF ₇ | 1992 03 04.23889 | 11 08 40.63 | +13 25 41.8 | 17.5 | 7 809 | 1992 EW ₇ | 1992 03 04.09375 | 10 21 15.40 | +08 17 58.8 | 17.5 | 7 809 |
| 1992 EF ₇ | 1992 03 09.22986 | 11 03 03.10 | +13 23 16.6 | 18.6 | 7 809 | 1992 EW ₇ | 1992 03 07.09167 | 10 18 32.55 | +08 34 08.0 | 18.6 | 7 809 |
| 1992 EG ₇ | * 1992 03 01.22222 | 11 12 49.86 | +14 05 41.0 | 20.8 | 7 809 | 1992 EX ₇ | * 1992 03 02.14305 | 10 23 11.65 | +09 39 13.1 | 19.7 | 7 809 |
| 1992 EG ₇ | 1992 03 04.23889 | 11 10 33.75 | +14 19 41.8 | 22.0 | 7 809 | 1992 EX ₇ | 1992 03 04.09375 | 10 21 25.92 | +09 39 56.4 | 18.6 | 7 809 |
| 1992 EG ₇ | 1992 03 09.22986 | 11 06 47.12 | +14 41 33.3 | 22.0 | 7 809 | 1992 EX ₇ | 1992 03 07.09167 | 10 18 49.58 | +09 40 37.2 | 19.7 | 7 809 |
| 1992 EH ₇ | * 1992 03 01.22222 | 11 13 16.67 | +12 41 16.0 | 20.8 | 7 809 | 1992 EY ₇ | * 1992 03 02.14305 | 10 24 08.11 | +08 41 02.4 | 20.8 | 7 809 |
| 1992 EH ₇ | 1992 03 04.23889 | 11 10 49.62 | +13 02 07.8 | 19.7 | 7 809 | 1992 EY ₇ | 1992 03 04.09375 | 10 22 38.68 | +08 56 06.8 | 20.8 | 7 809 |

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|----------------------|--------------------|-------------|-------------|------|-------|----------------------|--------------------|-------------|-------------|------|-------|
| 1992 EY ₇ | 1992 03 07.09167 | 10 20 24.37 | +09 18 56.9 | 22.0 | 7 809 | 1992 EO ₈ | 1992 03 05.16458 | 10 41 27.63 | +12 43 00.3 | 19.7 | 7 809 |
| 1992 EY ₇ | 1992 04 06.06285 | 10 05 59.43 | +12 13 32.1 | 20.9 | 7 809 | 1992 EO ₈ | 1992 03 07.16111 | 10 39 53.30 | +12 55 03.6 | 19.7 | 7 809 |
| 1992 EZ ₇ | * 1992 03 02.14305 | 10 25 19.17 | +07 49 08.4 | 17.5 | 7 809 | 1992 EP ₈ | * 1992 03 02.21389 | 10 44 27.82 | +16 19 58.8 | 17.5 | 7 809 |
| 1992 EZ ₇ | 1992 03 04.09375 | 10 23 48.78 | +08 10 09.8 | 17.5 | 7 809 | 1992 EP ₈ | 1992 03 05.16458 | 10 41 26.79 | +16 37 44.1 | 18.6 | 7 809 |
| 1992 EZ ₇ | 1992 03 07.09167 | 10 21 34.54 | +08 41 49.9 | 17.5 | 7 809 | 1992 EP ₈ | 1992 03 07.16111 | 10 39 25.84 | +16 48 51.1 | 17.5 | 7 809 |
| 1992 EZ ₇ | 1992 04 06.06285 | 10 09 03.61 | +12 37 36.2 | 18.8 | 7 809 | 1992 EP ₈ | 1992 04 04.11840 | 10 20 05.59 | +17 45 26.7 | 18.8 | 7 809 |
| 1992 EA ₈ | * 1992 03 02.14305 | 10 27 35.85 | +08 05 50.7 | 17.5 | 7 809 | 1992 EQ ₈ | * 1992 03 02.21389 | 10 45 34.22 | +12 46 43.8 | 16.4 | 7 809 |
| 1992 EA ₈ | 1992 03 04.09375 | 10 26 01.75 | +08 16 07.7 | 18.6 | 7 809 | 1992 EQ ₈ | 1992 03 05.16458 | 10 43 11.67 | +13 01 26.1 | 16.4 | 7 809 |
| 1992 EA ₈ | 1992 03 07.09167 | 10 23 39.86 | +08 31 42.4 | 18.6 | 7 809 | 1992 EQ ₈ | 1992 03 07.16111 | 10 41 36.25 | +13 11 02.0 | 17.5 | 7 809 |
| 1992 EA ₈ | 1992 04 06.06285 | 10 08 05.63 | +10 22 43.4 | 19.8 | 7 809 | 1992 ER ₈ | * 1992 03 02.21389 | 10 46 19.59 | +12 38 12.2 | 17.5 | 7 809 |
| 1992 EB ₈ | * 1992 03 02.14305 | 10 28 41.14 | +09 15 55.2 | 17.5 | 7 809 | 1992 ER ₈ | 1992 03 05.16458 | 10 43 51.91 | +12 52 16.4 | 17.5 | 7 809 |
| 1992 EB ₈ | 1992 03 04.09375 | 10 26 43.86 | +09 28 41.7 | 17.5 | 7 809 | 1992 ER ₈ | 1992 03 07.16111 | 10 42 12.92 | +13 01 25.2 | 18.6 | 7 809 |
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| 1992 EC ₈ | * 1992 03 02.14305 | 10 29 12.18 | +08 18 00.4 | 18.6 | 7 809 | 1992 ES ₈ | * 1992 03 02.21389 | 10 46 19.87 | +16 45 34.0 | 20.8 | 7 809 |
| 1992 EC ₈ | 1992 03 04.09375 | 10 27 34.81 | +08 30 13.2 | 18.6 | 7 809 | 1992 ES ₈ | 1992 03 05.16458 | 10 43 59.27 | +16 57 58.2 | 22.0 | 7 809 |
| 1992 EC ₈ | 1992 03 07.09167 | 10 25 08.81 | +08 48 37.6 | 20.8 | 7 809 | 1992 ES ₈ | 1992 03 07.16111 | 10 42 25.12 | +17 05 49.5 | 22.0 | 7 809 |
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| 1992 ED ₈ | 1992 03 04.09375 | 10 27 49.19 | +09 48 18.9 | 17.5 | 7 809 | 1992 ET ₈ | 1992 03 05.16458 | 10 44 55.03 | +16 25 28.4 | 17.5 | 7 809 |
| 1992 ED ₈ | 1992 03 07.09167 | 10 25 24.43 | +10 00 34.3 | 17.5 | 7 809 | 1992 ET ₈ | 1992 03 07.16111 | 10 43 10.09 | +16 46 59.3 | 17.5 | 7 809 |
| 1992 EE ₈ | * 1992 03 02.14305 | 10 29 57.05 | +08 43 10.3 | 18.6 | 7 809 | 1992 EU ₈ | * 1992 03 02.21389 | 10 47 41.36 | +15 49 36.1 | 22.0 | 7 809 |
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| 1992 EE ₈ | 1992 03 07.09167 | 10 25 34.73 | +09 21 26.0 | 20.8 | 7 809 | 1992 EU ₈ | 1992 03 07.16111 | 10 43 59.95 | +16 20 44.9 | 20.8 | 7 809 |
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| 1992 EF ₈ | 1992 03 04.09375 | 10 28 58.55 | +10 08 53.1 | 17.5 | 7 809 | 1992 EV ₈ | 1992 03 05.16458 | 10 46 13.54 | +15 55 52.6 | 20.8 | 7 809 |
| 1992 EF ₈ | 1992 03 07.09167 | 10 26 33.06 | +10 21 02.8 | 18.6 | 7 809 | 1992 EV ₈ | 1992 03 07.16111 | 10 44 33.91 | +16 11 13.5 | 19.7 | 7 809 |
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| 1993 QW ₈ | 1993 08 15.28403 | 23 41 22.45 | -06 58 10.6 | | 4 809 | 1993 ST ₄ | 1993 08 15.25764 | 23 36 27.06 | -04 18 53.4 | 18.3 | 4 809 |
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| 1993 QX ₈ | 1993 08 15.28403 | 23 41 08.95 | -06 45 53.3 | | 4 809 | 1993 SJ ₅ | 1993 08 15.25764 | 23 46 54.71 | -02 35 00.6 | 18.2 | 4 809 |
| 1993 QZ ₈ | 1993 08 15.25764 | 23 40 43.32 | -05 41 48.9 | 18.6 | 4 809 | 1993 SJ ₅ | 1993 08 15.27083 | 23 46 54.18 | -02 35 01.1 | | 4 809 |
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| 1993 QA ₉ | 1993 08 15.25764 | 23 41 02.26 | -03 59 44.4 | 18.4 | 4 809 | 1993 TN ₁ | 1993 10 21.24306 | 02 02 49.67 | +05 08 13.2 | | 4 809 |
| 1993 QA ₉ | 1993 08 15.27083 | 23 41 01.74 | -03 59 50.1 | | 4 809 | 1993 TN ₁ | 1993 10 21.25625 | 02 02 48.89 | +05 08 09.4 | | 4 809 |
| 1993 QA ₉ | 1993 08 15.28403 | 23 41 01.26 | -03 59 54.2 | | 4 809 | 1993 TY ₃₆ | 1993 10 21.22986 | 01 58 54.02 | +06 19 41.9 | 18.3 | 4 809 |
| 1993 QB ₉ | 1993 08 15.25764 | 23 41 58.49 | -05 09 50.5 | 18.8 | 4 809 | 1993 TY ₃₆ | 1993 10 21.24306 | 01 58 53.42 | +06 19 36.4 | | 4 809 |
| 1993 QB ₉ | 1993 08 15.27083 | 23 41 57.96 | -05 09 50.7 | | 4 809 | 1993 TY ₃₆ | 1993 10 21.25625 | 01 58 52.83 | +06 19 31.7 | | 4 809 |
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| 1993 QD ₉ | 1993 08 15.25764 | 23 41 20.47 | -05 06 51.5 | 18.5 | 4 809 | 1993 TZ ₃₆ | 1993 10 21.24306 | 01 57 15.94 | +04 19 13.9 | | 4 809 |
| 1993 QD ₉ | 1993 08 15.27083 | 23 41 20.02 | -05 06 52.1 | | 4 809 | 1993 TZ ₃₆ | 1993 10 21.25625 | 01 57 15.16 | +04 19 06.6 | | 4 809 |

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|-----------------------|------------------|-------------|-------------|------|-------|-----------------------|------------------|-------------|-------------|------|-------|
| 1993 TB ₃₇ | 1993 10 21.22986 | 01 58 51.65 | +02 14 22.7 | 18.3 | 4 809 | 1993 TC ₃₈ | 1993 10 21.24306 | 01 59 20.79 | +05 46 18.0 | | 4 809 |
| 1993 TB ₃₇ | 1993 10 21.24306 | 01 58 50.96 | +02 14 18.9 | | 4 809 | 1993 TC ₃₈ | 1993 10 21.25625 | 01 59 19.95 | +05 46 13.9 | | 4 809 |
| 1993 TB ₃₇ | 1993 10 21.25625 | 01 58 50.21 | +02 14 14.8 | | 4 809 | 1993 TD ₃₈ | 1993 10 21.22986 | 02 01 41.29 | +05 29 26.6 | 18.4 | 4 809 |
| 1993 TD ₃₇ | 1993 10 21.22986 | 01 59 36.08 | +02 53 05.0 | 18.3 | 4 809 | 1993 TD ₃₈ | 1993 10 21.24306 | 02 01 40.57 | +05 29 20.0 | | 4 809 |
| 1993 TD ₃₇ | 1993 10 21.24306 | 01 59 35.48 | +02 53 00.3 | | 4 809 | 1993 TD ₃₈ | 1993 10 21.25625 | 02 01 39.75 | +05 29 14.7 | | 4 809 |
| 1993 TD ₃₇ | 1993 10 21.25625 | 01 59 34.82 | +02 52 54.8 | | 4 809 | 1993 TE ₃₈ | 1993 10 21.22986 | 02 01 53.67 | +04 56 55.8 | 18.4 | 4 809 |
| 1993 TE ₃₇ | 1993 10 21.22986 | 01 58 11.48 | +02 28 20.4 | 18.5 | 4 809 | 1993 TE ₃₈ | 1993 10 21.24306 | 02 01 52.94 | +04 56 54.2 | | 4 809 |
| 1993 TE ₃₇ | 1993 10 21.24306 | 01 58 10.76 | +02 28 17.0 | | 4 809 | 1993 TE ₃₈ | 1993 10 21.25625 | 02 01 52.20 | +04 56 52.2 | | 4 809 |
| 1993 TE ₃₇ | 1993 10 21.25625 | 01 58 09.99 | +02 28 14.5 | | 4 809 | 1993 TG ₃₈ | 1993 10 21.22986 | 02 03 40.56 | +06 12 22.4 | 18.4 | 4 809 |
| 1993 TF ₃₇ | 1993 10 21.22986 | 01 58 37.58 | +05 46 32.2 | 18.4 | 4 809 | 1993 TG ₃₈ | 1993 10 21.24306 | 02 03 39.89 | +06 12 18.9 | | 4 809 |
| 1993 TF ₃₇ | 1993 10 21.24306 | 01 58 36.84 | +05 46 27.3 | | 4 809 | 1993 TG ₃₈ | 1993 10 21.25625 | 02 03 39.25 | +06 12 16.6 | | 4 809 |
| 1993 TF ₃₇ | 1993 10 21.25625 | 01 58 36.08 | +05 46 22.8 | | 4 809 | 1993 TH ₃₈ | 1993 10 21.22986 | 02 05 52.21 | +02 53 07.9 | 18.4 | 4 809 |
| 1993 TJ ₃₇ | 1993 10 21.22986 | 01 58 45.09 | +05 48 18.6 | 18.4 | 4 809 | 1993 TH ₃₈ | 1993 10 21.24306 | 02 05 51.64 | +02 52 58.9 | | 4 809 |
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| 1993 TJ ₃₇ | 1993 10 21.25625 | 01 58 43.68 | +05 48 11.7 | | 4 809 | 1993 TJ ₃₈ | 1993 10 21.22986 | 02 04 09.17 | +04 03 20.4 | 18.3 | 4 809 |
| 1993 TK ₃₇ | 1993 10 21.22986 | 02 00 24.58 | +02 57 59.0 | 18.3 | 4 809 | 1993 TJ ₃₈ | 1993 10 21.24306 | 02 04 08.48 | +04 03 12.4 | | 4 809 |
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| 1993 TK ₃₇ | 1993 10 21.25625 | 02 00 23.31 | +02 57 43.8 | | 4 809 | 1993 TK ₃₈ | 1993 10 21.22986 | 02 02 56.90 | +03 22 42.3 | 18.3 | 4 809 |
| 1993 TN ₃₇ | 1993 10 21.22986 | 01 59 08.85 | +04 09 23.0 | 18.4 | 4 809 | 1993 TK ₃₈ | 1993 10 21.24306 | 02 02 56.03 | +03 22 40.9 | | 4 809 |
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| 1993 TP ₃₇ | 1993 10 21.22986 | 01 58 02.40 | +03 02 16.6 | 18.3 | 4 809 | 1993 TL ₃₈ | 1993 10 21.24306 | 02 04 30.29 | +04 44 35.9 | | 4 809 |
| 1993 TP ₃₇ | 1993 10 21.24306 | 01 58 01.71 | +03 02 14.5 | | 4 809 | 1993 TL ₃₈ | 1993 10 21.25625 | 02 04 29.59 | +04 44 33.6 | | 4 809 |
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| 1993 TQ ₃₇ | 1993 10 21.22986 | 01 58 34.10 | +01 58 41.7 | 18.2 | 4 809 | 1993 TM ₃₈ | 1993 10 21.24306 | 02 03 46.22 | +06 34 35.0 | | 4 809 |
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| 1993 TQ ₃₇ | 1993 10 21.25625 | 01 58 32.38 | +01 58 35.7 | | 4 809 | 1993 TO ₃₈ | 1993 10 21.22986 | 02 06 07.07 | +02 09 16.3 | 18.3 | 4 809 |
| 1993 TT ₃₇ | 1993 10 21.22986 | 01 57 17.76 | +04 55 13.7 | 18.3 | 4 809 | 1993 TO ₃₈ | 1993 10 21.24306 | 02 06 06.24 | +02 09 11.3 | | 4 809 |
| 1993 TT ₃₇ | 1993 10 21.24306 | 01 57 16.81 | +04 55 13.5 | | 4 809 | 1993 TO ₃₈ | 1993 10 21.25625 | 02 06 05.52 | +02 09 06.4 | | 4 809 |
| 1993 TT ₃₇ | 1993 10 21.25625 | 01 57 15.84 | +04 55 12.6 | | 4 809 | 1993 TP ₃₈ | 1993 10 21.22986 | 02 07 56.20 | +03 32 51.8 | 18.4 | 4 809 |
| 1993 TU ₃₇ | 1993 10 21.22986 | 01 58 55.35 | +03 03 56.3 | 18.4 | 4 809 | 1993 TP ₃₈ | 1993 10 21.24306 | 02 07 55.63 | +03 32 44.7 | | 4 809 |
| 1993 TU ₃₇ | 1993 10 21.24306 | 01 58 54.43 | +03 03 55.4 | | 4 809 | 1993 TP ₃₈ | 1993 10 21.25625 | 02 07 55.02 | +03 32 38.6 | | 4 809 |
| 1993 TU ₃₇ | 1993 10 21.25625 | 01 58 53.59 | +03 03 53.0 | | 4 809 | 1993 TS ₃₈ | 1993 10 21.22986 | 02 09 13.41 | +02 07 08.6 | 18.2 | 4 809 |
| 1993 TV ₃₇ | 1993 10 21.22986 | 02 02 08.17 | +03 16 05.4 | 18.3 | 4 809 | 1993 TS ₃₈ | 1993 10 21.24306 | 02 09 12.69 | +02 07 00.7 | | 4 809 |
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| 1993 TW ₃₇ | 1993 10 21.22986 | 01 57 54.09 | +03 21 57.6 | 18.6 | 4 809 | 1993 TT ₃₈ | 1993 10 21.24306 | 02 06 30.39 | +01 44 05.3 | | 4 809 |
| 1993 TW ₃₇ | 1993 10 21.24306 | 01 57 53.11 | +03 21 59.4 | | 4 809 | 1993 TT ₃₈ | 1993 10 21.25625 | 02 06 29.53 | +01 43 59.7 | | 4 809 |
| 1993 TW ₃₇ | 1993 10 21.25625 | 01 57 52.16 | +03 22 00.8 | | 4 809 | 1993 TU ₃₈ | 1993 10 21.22986 | 02 08 22.24 | +04 27 13.1 | 18.3 | 4 809 |
| 1993 TX ₃₇ | 1993 10 21.22986 | 02 00 58.31 | +06 49 17.4 | 18.3 | 4 809 | 1993 TU ₃₈ | 1993 10 21.24306 | 02 08 21.60 | +04 27 09.8 | | 4 809 |
| 1993 TX ₃₇ | 1993 10 21.24306 | 02 00 57.64 | +06 49 16.4 | | 4 809 | 1993 TU ₃₈ | 1993 10 21.25625 | 02 08 20.78 | +04 27 06.9 | | 4 809 |
| 1993 TX ₃₇ | 1993 10 21.25625 | 02 00 56.95 | +06 49 14.8 | | 4 809 | 1993 TV ₃₈ | 1993 10 21.22986 | 02 09 59.69 | +03 51 13.3 | 18.3 | 4 809 |
| 1993 TY ₃₇ | 1993 10 21.22986 | 02 00 26.29 | +06 38 37.3 | 18.3 | 4 809 | 1993 TV ₃₈ | 1993 10 21.24306 | 02 09 59.12 | +03 51 06.5 | | 4 809 |
| 1993 TY ₃₇ | 1993 10 21.24306 | 02 00 25.49 | +06 38 37.8 | | 4 809 | 1993 TV ₃₈ | 1993 10 21.25625 | 02 09 58.41 | +03 50 58.6 | | 4 809 |
| 1993 TY ₃₇ | 1993 10 21.25625 | 02 00 24.73 | +06 38 37.5 | | 4 809 | 1993 TW ₃₈ | 1993 10 21.22986 | 02 10 41.15 | +02 39 36.5 | 18.3 | 4 809 |
| 1993 TZ ₃₇ | 1993 10 21.22986 | 01 59 42.70 | +03 31 10.3 | 18.5 | 4 809 | 1993 TW ₃₈ | 1993 10 21.24306 | 02 10 40.55 | +02 39 31.5 | | 4 809 |
| 1993 TZ ₃₇ | 1993 10 21.24306 | 01 59 41.78 | +03 31 04.3 | | 4 809 | 1993 TW ₃₈ | 1993 10 21.25625 | 02 10 39.94 | +02 39 26.7 | | 4 809 |
| 1993 TZ ₃₇ | 1993 10 21.25625 | 01 59 40.97 | +03 30 59.1 | | 4 809 | 1993 TX ₃₈ | 1993 10 21.22986 | 02 10 40.13 | +02 23 30.3 | 18.5 | 4 809 |
| 1993 TB ₃₈ | 1993 10 21.22986 | 02 01 27.79 | +03 58 29.7 | 18.4 | 4 809 | 1993 TX ₃₈ | 1993 10 21.24306 | 02 10 39.39 | +02 23 24.9 | | 4 809 |
| 1993 TB ₃₈ | 1993 10 21.24306 | 02 01 27.07 | +03 58 26.4 | | 4 809 | 1993 TX ₃₈ | 1993 10 21.25625 | 02 10 38.79 | +02 23 23.6 | | 4 809 |
| 1993 TB ₃₈ | 1993 10 21.25625 | 02 01 26.36 | +03 58 22.6 | | 4 809 | 1993 TY ₃₈ | 1993 10 21.22986 | 02 11 16.67 | +02 28 31.4 | 18.1 | 4 809 |
| 1993 TC ₃₈ | 1993 10 21.22986 | 01 59 21.78 | +05 46 21.2 | 18.3 | 4 809 | 1993 TY ₃₈ | 1993 10 21.24306 | 02 11 15.95 | +02 28 26.0 | | 4 809 |

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| 1993 TY ₃₈ | 1993 10 21.25625 | 02 11 15.30 | +02 28 19.7 | | 4 809 | 1993 UH ₄ | 1993 10 10.18333 | 02 26 41.75 | +06 44 36.8 | 18.3 | 4 809 |
| 1993 TZ ₃₈ | 1993 10 21.22986 | 02 10 26.22 | +02 00 43.5 | 18.1 | 4 809 | 1993 UH ₄ | 1993 10 10.19653 | 02 26 40.89 | +06 44 32.1 | | 4 809 |
| 1993 TZ ₃₈ | 1993 10 21.24306 | 02 10 25.41 | +02 00 38.5 | | 4 809 | 1993 UH ₄ | 1993 10 10.20972 | 02 26 40.30 | +06 44 27.1 | | 4 809 |
| 1993 TZ ₃₈ | 1993 10 21.25625 | 02 10 24.60 | +02 00 33.8 | | 4 809 | 1993 UJ ₄ | 1993 10 10.18333 | 02 25 44.35 | +05 43 50.4 | 18.4 | 4 809 |
| 1993 TB ₃₉ | 1993 10 21.22986 | 02 11 43.73 | +03 41 01.9 | 18.4 | 4 809 | 1993 UJ ₄ | 1993 10 10.19653 | 02 25 43.75 | +05 43 41.1 | | 4 809 |
| 1993 TB ₃₉ | 1993 10 21.24306 | 02 11 42.92 | +03 40 57.6 | | 4 809 | 1993 UJ ₄ | 1993 10 10.20972 | 02 25 43.20 | +05 43 34.7 | | 4 809 |
| 1993 TB ₃₉ | 1993 10 21.25625 | 02 11 42.23 | +03 40 53.3 | | 4 809 | 1993 UN ₄ | 1993 10 10.18333 | 02 26 33.02 | +04 28 57.9 | 18.5 | 4 809 |
| 1993 TD ₃₉ | 1993 10 21.22986 | 02 14 08.86 | +05 22 02.3 | 18.6 | 4 809 | 1993 UN ₄ | 1993 10 10.19653 | 02 26 32.42 | +04 28 50.6 | | 4 809 |
| 1993 TD ₃₉ | 1993 10 21.24306 | 02 14 08.23 | +05 21 51.8 | | 4 809 | 1993 UN ₄ | 1993 10 10.20972 | 02 26 31.89 | +04 28 43.2 | | 4 809 |
| 1993 TD ₃₉ | 1993 10 21.25625 | 02 14 07.59 | +05 21 43.4 | | 4 809 | 1993 UP ₄ | 1993 10 10.18333 | 02 28 17.06 | +03 30 40.2 | 18.5 | 4 809 |
| 1993 TF ₃₉ | 1993 10 21.22986 | 02 12 04.83 | +03 51 25.0 | 18.4 | 4 809 | 1993 UP ₄ | 1993 10 10.19653 | 02 28 16.32 | +03 30 37.0 | | 4 809 |
| 1993 TF ₃₉ | 1993 10 21.24306 | 02 12 04.09 | +03 51 21.1 | | 4 809 | 1993 UP ₄ | 1993 10 10.20972 | 02 28 15.71 | +03 30 30.8 | | 4 809 |
| 1993 TF ₃₉ | 1993 10 21.25625 | 02 12 03.33 | +03 51 15.5 | | 4 809 | 1993 UQ ₄ | 1993 10 10.18333 | 02 29 39.44 | +07 21 22.1 | 18.3 | 4 809 |
| 1993 TG ₃₉ | 1993 10 21.22986 | 02 12 27.01 | +05 14 55.6 | 18.3 | 4 809 | 1993 UQ ₄ | 1993 10 10.19653 | 02 29 38.69 | +07 21 17.4 | | 4 809 |
| 1993 TG ₃₉ | 1993 10 21.24306 | 02 12 26.25 | +05 14 50.8 | | 4 809 | 1993 UQ ₄ | 1993 10 10.20972 | 02 29 37.88 | +07 21 13.2 | | 4 809 |
| 1993 TG ₃₉ | 1993 10 21.25625 | 02 12 25.44 | +05 14 46.5 | | 4 809 | 1993 UV ₄ | 1993 10 10.18333 | 02 27 25.29 | +04 36 32.6 | 18.6 | 4 809 |
| 1993 TJ ₃₉ | 1993 10 21.22986 | 02 13 03.97 | +02 43 16.2 | 18.5 | 4 809 | 1993 UV ₄ | 1993 10 10.19653 | 02 27 24.67 | +04 36 26.6 | | 4 809 |
| 1993 TJ ₃₉ | 1993 10 21.24306 | 02 13 03.18 | +02 43 14.1 | | 4 809 | 1993 UV ₄ | 1993 10 10.20972 | 02 27 24.24 | +04 36 20.4 | | 4 809 |
| 1993 TJ ₃₉ | 1993 10 21.25625 | 02 13 02.46 | +02 43 11.1 | | 4 809 | 1993 UW ₄ | 1993 10 10.18333 | 02 27 48.68 | +06 18 57.5 | 18.5 | 4 809 |
| 1993 TK ₃₉ | 1993 10 21.22986 | 02 13 35.27 | +04 37 25.0 | 18.4 | 4 809 | 1993 UW ₄ | 1993 10 10.19653 | 02 27 48.06 | +06 18 52.0 | | 4 809 |
| 1993 TK ₃₉ | 1993 10 21.24306 | 02 13 34.55 | +04 37 22.2 | | 4 809 | 1993 UW ₄ | 1993 10 10.20972 | 02 27 47.62 | +06 18 47.1 | | 4 809 |
| 1993 TK ₃₉ | 1993 10 21.25625 | 02 13 33.81 | +04 37 18.1 | | 4 809 | 1993 UX ₄ | 1993 10 10.18333 | 02 29 04.27 | +02 39 17.8 | 18.4 | 4 809 |
| 1993 UE ₁ | 1993 10 21.22986 | 02 06 00.45 | +05 00 14.2 | 18.2 | 4 809 | 1993 UX ₄ | 1993 10 10.19653 | 02 29 03.62 | +02 39 15.8 | | 4 809 |
| 1993 UE ₁ | 1993 10 21.24306 | 02 05 59.60 | +05 00 15.1 | | 4 809 | 1993 UX ₄ | 1993 10 10.20972 | 02 29 02.99 | +02 39 14.1 | | 4 809 |
| 1993 UE ₁ | 1993 10 21.25625 | 02 05 58.86 | +05 00 16.1 | | 4 809 | 1993 UY ₄ | 1993 10 10.18333 | 02 29 55.07 | +07 01 03.5 | 18.5 | 4 809 |
| 1993 UU ₃ | 1993 10 21.22986 | 02 15 37.63 | +05 07 21.6 | 18.5 | 4 809 | 1993 UY ₄ | 1993 10 10.19653 | 02 29 54.35 | +07 00 59.7 | | 4 809 |
| 1993 UU ₃ | 1993 10 21.24306 | 02 15 36.93 | +05 07 17.6 | | 4 809 | 1993 UY ₄ | 1993 10 10.20972 | 02 29 53.80 | +07 00 55.9 | | 4 809 |
| 1993 UU ₃ | 1993 10 21.25625 | 02 15 36.24 | +05 07 15.5 | | 4 809 | 1993 UA ₅ | 1993 10 10.18333 | 02 29 25.76 | +04 45 49.3 | 18.5 | 4 809 |
| 1993 UW ₃ | 1993 10 10.18333 | 02 27 01.04 | +06 12 12.5 | 18.5 | 4 809 | 1993 UA ₅ | 1993 10 10.19653 | 02 29 25.11 | +04 45 47.3 | | 4 809 |
| 1993 UW ₃ | 1993 10 10.19653 | 02 27 00.16 | +06 12 10.1 | | 4 809 | 1993 UA ₅ | 1993 10 10.20972 | 02 29 24.46 | +04 45 45.0 | | 4 809 |
| 1993 UW ₃ | 1993 10 10.20972 | 02 26 59.40 | +06 12 06.4 | | 4 809 | 1993 UB ₅ | 1993 10 10.18333 | 02 30 40.01 | +03 22 28.9 | 18.4 | 4 809 |
| 1993 UW ₃ | 1993 10 21.22986 | 02 15 43.78 | +05 39 54.5 | 18.6 | 4 809 | 1993 UB ₅ | 1993 10 10.19653 | 02 30 39.18 | +03 22 26.5 | | 4 809 |
| 1993 UW ₃ | 1993 10 21.24306 | 02 15 42.79 | +05 39 53.0 | | 4 809 | 1993 UB ₅ | 1993 10 10.20972 | 02 30 38.44 | +03 22 22.0 | | 4 809 |
| 1993 UW ₃ | 1993 10 21.25625 | 02 15 41.89 | +05 39 50.8 | | 4 809 | 1993 UE ₅ | 1993 10 10.18333 | 02 28 21.60 | +06 52 23.1 | 18.4 | 4 809 |
| 1993 UX ₃ | 1993 10 21.22986 | 02 16 07.15 | +06 04 40.4 | 18.5 | 4 809 | 1993 UE ₅ | 1993 10 10.19653 | 02 28 21.06 | +06 52 14.5 | | 4 809 |
| 1993 UX ₃ | 1993 10 21.24306 | 02 16 06.45 | +06 04 35.5 | | 4 809 | 1993 UE ₅ | 1993 10 10.20972 | 02 28 20.59 | +06 52 07.5 | | 4 809 |
| 1993 UX ₃ | 1993 10 21.25625 | 02 16 05.84 | +06 04 31.6 | | 4 809 | 1993 UJ ₅ | 1993 10 10.18333 | 02 30 27.79 | +07 21 16.2 | 18.5 | 4 809 |
| 1993 UY ₃ | 1993 10 21.22986 | 02 16 10.05 | +05 28 32.4 | 18.5 | 4 809 | 1993 UJ ₅ | 1993 10 10.19653 | 02 30 27.16 | +07 21 12.4 | | 4 809 |
| 1993 UY ₃ | 1993 10 21.24306 | 02 16 09.39 | +05 28 26.4 | | 4 809 | 1993 UJ ₅ | 1993 10 10.20972 | 02 30 26.58 | +07 21 07.5 | | 4 809 |
| 1993 UY ₃ | 1993 10 21.25625 | 02 16 08.77 | +05 28 21.6 | | 4 809 | 1993 UN ₅ | 1993 10 10.18333 | 02 30 37.74 | +05 27 56.2 | 18.6 | 4 809 |
| 1993 UZ ₃ | 1993 10 21.22986 | 02 16 03.97 | +02 46 37.6 | 18.4 | 4 809 | 1993 UN ₅ | 1993 10 10.19653 | 02 30 37.21 | +05 27 53.8 | | 4 809 |
| 1993 UZ ₃ | 1993 10 21.24306 | 02 16 03.23 | +02 46 38.4 | | 4 809 | 1993 UN ₅ | 1993 10 10.20972 | 02 30 36.52 | +05 27 52.2 | | 4 809 |
| 1993 UZ ₃ | 1993 10 21.25625 | 02 16 02.43 | +02 46 39.7 | | 4 809 | 1993 UO ₅ | 1993 10 10.18333 | 02 31 41.23 | +03 55 52.8 | 18.5 | 4 809 |
| 1993 UA ₄ | 1993 10 21.22986 | 02 16 10.49 | +06 01 54.6 | 18.6 | 4 809 | 1993 UO ₅ | 1993 10 10.19653 | 02 31 40.55 | +03 55 49.0 | | 4 809 |
| 1993 UA ₄ | 1993 10 21.24306 | 02 16 09.65 | +06 01 48.8 | | 4 809 | 1993 UO ₅ | 1993 10 10.20972 | 02 31 39.95 | +03 55 44.6 | | 4 809 |
| 1993 UA ₄ | 1993 10 21.25625 | 02 16 08.85 | +06 01 44.6 | | 4 809 | 1993 UP ₅ | 1993 10 10.18333 | 02 30 56.39 | +07 19 03.5 | 18.4 | 4 809 |
| 1993 UC ₄ | 1993 10 21.22986 | 02 16 26.15 | +02 49 41.0 | 18.0 | 4 809 | 1993 UP ₅ | 1993 10 10.19653 | 02 30 55.85 | +07 19 00.0 | | 4 809 |
| 1993 UC ₄ | 1993 10 21.24306 | 02 16 25.20 | +02 49 41.3 | | 4 809 | 1993 UP ₅ | 1993 10 10.20972 | 02 30 55.30 | +07 18 57.1 | | 4 809 |
| 1993 UC ₄ | 1993 10 21.25625 | 02 16 24.31 | +02 49 41.5 | | 4 809 | 1993 UQ ₅ | 1993 10 10.18333 | 02 32 42.33 | +05 58 37.5 | 18.2 | 4 809 |
| 1993 UD ₄ | 1993 10 21.22986 | 02 16 42.38 | +04 49 24.2 | 18.6 | 4 809 | 1993 UQ ₅ | 1993 10 10.19653 | 02 32 41.46 | +05 58 36.2 | | 4 809 |
| 1993 UD ₄ | 1993 10 21.24306 | 02 16 41.53 | +04 49 19.5 | | 4 809 | 1993 UQ ₅ | 1993 10 10.20972 | 02 32 40.84 | +05 58 33.6 | | 4 809 |
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| 1993 UR ₅ | 1993 10 10.20972 | 02 33 33.13 | +04 39 31.9 | | 4 809 | 1993 UV ₆ | 1993 10 10.18333 | 02 36 47.05 | +06 53 04.6 | 18.5 | 4 809 |
| 1993 UT ₅ | 1993 10 10.18333 | 02 32 26.41 | +04 02 42.5 | 18.4 | 4 809 | 1993 UV ₆ | 1993 10 10.19653 | 02 36 46.43 | +06 52 58.9 | | 4 809 |
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| 1993 UU ₅ | 1993 10 10.18333 | 02 32 09.81 | +07 02 11.3 | 18.4 | 4 809 | 1993 UW ₆ | 1993 10 10.19653 | 02 35 43.98 | +06 11 00.5 | | 4 809 |
| 1993 UU ₅ | 1993 10 10.19653 | 02 32 09.12 | +07 02 09.4 | | 4 809 | 1993 UW ₆ | 1993 10 10.20972 | 02 35 43.47 | +06 10 58.4 | | 4 809 |
| 1993 UU ₅ | 1993 10 10.20972 | 02 32 08.37 | +07 02 06.1 | | 4 809 | 1993 UZ ₆ | 1993 10 10.18333 | 02 36 25.12 | +07 09 02.8 | 18.6 | 4 809 |
| 1993 UV ₅ | 1993 10 10.18333 | 02 32 47.00 | +07 18 27.8 | 18.3 | 4 809 | 1993 UZ ₆ | 1993 10 10.19653 | 02 36 24.50 | +07 08 58.8 | | 4 809 |
| 1993 UV ₅ | 1993 10 10.19653 | 02 32 46.38 | +07 18 21.2 | | 4 809 | 1993 UZ ₆ | 1993 10 10.20972 | 02 36 23.91 | +07 08 54.0 | | 4 809 |
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| 1993 UB ₆ | 1993 10 10.18333 | 02 34 33.16 | +04 17 26.4 | 18.4 | 4 809 | 1993 UE ₇ | 1993 10 10.19653 | 02 39 07.96 | +05 19 51.0 | | 4 809 |
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| 1993 UC ₆ | 1993 10 10.18333 | 02 34 48.14 | +05 31 53.4 | 18.5 | 4 809 | 1993 UF ₇ | 1993 10 10.19653 | 02 37 42.40 | +07 16 53.5 | | 4 809 |
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| 1993 UC ₆ | 1993 10 10.20972 | 02 34 46.85 | +05 31 46.0 | | 4 809 | 1993 UH ₇ | 1993 10 10.18333 | 02 38 12.04 | +05 48 56.6 | 18.5 | 4 809 |
| 1993 UE ₆ | 1993 10 10.18333 | 02 34 38.46 | +04 31 38.5 | 18.1 | 4 809 | 1993 UH ₇ | 1993 10 10.19653 | 02 38 11.33 | +05 48 52.2 | | 4 809 |
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| 1993 UN ₆ | 1993 10 10.18333 | 02 34 43.15 | +03 02 04.3 | 18.5 | 4 809 | 1993 UL ₇ | 1993 10 10.19653 | 02 37 19.45 | +05 50 08.6 | | 4 809 |
| 1993 UN ₆ | 1993 10 10.19653 | 02 34 42.57 | +03 01 59.3 | | 4 809 | 1993 UL ₇ | 1993 10 10.20972 | 02 37 19.01 | +05 50 02.3 | | 4 809 |
| 1993 UN ₆ | 1993 10 10.20972 | 02 34 42.10 | +03 01 58.0 | | 4 809 | 1993 UM ₇ | 1993 10 10.18333 | 02 36 12.14 | +07 16 45.6 | 18.5 | 4 809 |
| 1993 UO ₆ | 1993 10 10.18333 | 02 35 13.42 | +06 32 34.9 | 18.5 | 4 809 | 1993 UM ₇ | 1993 10 10.19653 | 02 36 11.75 | +07 16 36.3 | | 4 809 |
| 1993 UO ₆ | 1993 10 10.19653 | 02 35 12.84 | +06 32 36.3 | | 4 809 | 1993 UM ₇ | 1993 10 10.20972 | 02 36 11.34 | +07 16 28.0 | | 4 809 |
| 1993 UO ₆ | 1993 10 10.20972 | 02 35 12.24 | +06 32 33.8 | | 4 809 | 1993 UO ₇ | 1993 10 10.18333 | 02 40 22.28 | +03 15 27.0 | 18.7 | 4 809 |
| 1993 UP ₆ | 1993 10 10.18333 | 02 35 24.16 | +04 19 45.4 | 18.7 | 4 809 | 1993 UO ₇ | 1993 10 10.19653 | 02 40 21.62 | +03 15 26.2 | | 4 809 |
| 1993 UP ₆ | 1993 10 10.19653 | 02 35 23.44 | +04 19 43.3 | | 4 809 | 1993 UO ₇ | 1993 10 10.20972 | 02 40 20.93 | +03 15 22.2 | | 4 809 |
| 1993 UP ₆ | 1993 10 10.20972 | 02 35 22.80 | +04 19 41.3 | | 4 809 | 1993 UR ₇ | 1993 10 10.18333 | 02 37 55.03 | +05 47 03.7 | 18.3 | 4 809 |
| 1993 UQ ₆ | 1993 10 10.18333 | 02 35 07.75 | +02 32 50.4 | 18.5 | 4 809 | 1993 UR ₇ | 1993 10 10.19653 | 02 37 54.51 | +05 46 58.9 | | 4 809 |
| 1993 UQ ₆ | 1993 10 10.19653 | 02 35 07.15 | +02 32 48.1 | | 4 809 | 1993 UR ₇ | 1993 10 10.20972 | 02 37 54.07 | +05 46 55.0 | | 4 809 |
| 1993 UQ ₆ | 1993 10 10.20972 | 02 35 06.54 | +02 32 45.9 | | 4 809 | 1993 US ₇ | 1993 10 10.18333 | 02 40 39.62 | +05 08 49.6 | 18.4 | 4 809 |
| 1993 US ₆ | 1993 10 10.18333 | 02 35 38.56 | +05 22 49.4 | 18.3 | 4 809 | 1993 US ₇ | 1993 10 10.19653 | 02 40 39.02 | +05 08 46.6 | | 4 809 |
| 1993 US ₆ | 1993 10 10.19653 | 02 35 37.92 | +05 22 45.2 | | 4 809 | 1993 US ₇ | 1993 10 10.20972 | 02 40 38.37 | +05 08 42.8 | | 4 809 |
| 1993 US ₆ | 1993 10 10.20972 | 02 35 37.35 | +05 22 42.3 | | 4 809 | 1993 UT ₇ | 1993 10 10.18333 | 02 39 51.01 | +07 35 57.8 | 18.7 | 4 809 |
| 1993 UT ₆ | 1993 10 10.18333 | 02 35 17.34 | +05 38 09.1 | 18.1 | 4 809 | 1993 UT ₇ | 1993 10 10.19653 | 02 39 50.51 | +07 35 54.2 | | 4 809 |
| 1993 UT ₆ | 1993 10 10.19653 | 02 35 16.83 | +05 38 02.1 | | 4 809 | 1993 UT ₇ | 1993 10 10.20972 | 02 39 49.85 | +07 35 49.0 | | 4 809 |
| 1993 UT ₆ | 1993 10 10.20972 | 02 35 16.26 | +05 37 55.2 | | 4 809 | 1993 UU ₇ | 1993 10 10.18333 | 02 42 00.07 | +06 59 09.6 | 18.6 | 4 809 |
| 1993 UU ₆ | 1993 10 10.18333 | 02 36 48.75 | +03 28 32.7 | 18.8 | 4 809 | 1993 UU ₇ | 1993 10 10.19653 | 02 41 59.27 | +06 59 07.0 | | 4 809 |
| 1993 UU ₆ | 1993 10 10.19653 | 02 36 48.26 | +03 28 29.5 | | 4 809 | 1993 UU ₇ | 1993 10 10.20972 | 02 41 58.60 | +06 59 06.3 | | 4 809 |

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| 1993 UV ₇ | 1993 10 10.18333 | 02 40 12.47 | +04 19 18.0 | 18.5 | 4 809 | 1993 UV ₈ | 1993 10 21.24306 | 02 15 04.56 | +05 52 05.7 | | 4 809 |
| 1993 UV ₇ | 1993 10 10.19653 | 02 40 11.90 | +04 19 17.4 | | 4 809 | 1993 UV ₈ | 1993 10 21.25625 | 02 15 03.67 | +05 52 02.3 | | 4 809 |
| 1993 UV ₇ | 1993 10 10.20972 | 02 40 11.29 | +04 19 14.9 | | 4 809 | 1993 UW ₈ | 1993 10 10.18333 | 02 25 57.81 | +06 56 18.8 | 18.4 | 4 809 |
| 1993 UW ₇ | 1993 10 10.18333 | 02 39 53.10 | +05 49 59.4 | 18.7 | 4 809 | 1993 UW ₈ | 1993 10 10.19653 | 02 25 56.99 | +06 56 15.2 | | 4 809 |
| 1993 UW ₇ | 1993 10 10.19653 | 02 39 52.58 | +05 49 56.2 | | 4 809 | 1993 UW ₈ | 1993 10 10.20972 | 02 25 56.27 | +06 56 11.4 | | 4 809 |
| 1993 UW ₇ | 1993 10 10.20972 | 02 39 52.02 | +05 49 53.2 | | 4 809 | 1993 UW ₈ | 1993 10 21.22986 | 02 15 55.47 | +06 12 19.4 | 18.5 | 4 809 |
| 1993 UZ ₇ | 1993 10 10.18333 | 02 39 02.68 | +04 37 58.1 | 18.0 | 4 809 | 1993 UW ₈ | 1993 10 21.24306 | 02 15 54.66 | +06 12 17.0 | | 4 809 |
| 1993 UZ ₇ | 1993 10 10.19653 | 02 39 02.17 | +04 37 53.5 | | 4 809 | 1993 UW ₈ | 1993 10 21.25625 | 02 15 53.92 | +06 12 13.7 | | 4 809 |
| 1993 UZ ₇ | 1993 10 10.20972 | 02 39 01.62 | +04 37 49.0 | | 4 809 | 1994 CB ₁₃ | 1994 02 08.24653 | 11 08 52.09 | +09 39 05.2 | 18.2 | 4 809 |
| 1993 UA ₈ | 1993 10 10.18333 | 02 39 34.11 | +03 55 57.9 | 18.3 | 4 809 | 1994 CB ₁₃ | 1994 02 08.25833 | 11 08 51.50 | +09 39 08.1 | | 4 809 |
| 1993 UA ₈ | 1993 10 10.19653 | 02 39 33.57 | +03 55 55.8 | | 4 809 | 1994 CB ₁₃ | 1994 02 08.27014 | 11 08 50.92 | +09 39 10.4 | | 4 809 |
| 1993 UA ₈ | 1993 10 10.20972 | 02 39 33.04 | +03 55 52.0 | | 4 809 | 1994 CB ₁₃ | 1994 02 10.23056 | 11 07 20.59 | +09 46 46.3 | | 4 809 |
| 1993 UC ₈ | 1993 10 10.18333 | 02 39 58.94 | +07 24 45.2 | 18.3 | 4 809 | 1994 CB ₁₃ | 1994 02 10.24236 | 11 07 19.97 | +09 46 48.1 | | 4 809 |
| 1993 UC ₈ | 1993 10 10.19653 | 02 39 58.37 | +07 24 41.0 | | 4 809 | 1994 CB ₁₃ | 1994 02 10.25417 | 11 07 19.34 | +09 46 51.3 | | 4 809 |
| 1993 UC ₈ | 1993 10 10.20972 | 02 39 57.89 | +07 24 36.6 | | 4 809 | 1994 CB ₁₃ | 1994 02 13.23750 | 11 04 51.07 | +09 59 08.2 | 18.3 | 4 809 |
| 1993 UD ₈ | 1993 10 10.18333 | 02 41 03.39 | +05 23 31.7 | 18.4 | 4 809 | 1994 CB ₁₃ | 1994 02 13.24931 | 11 04 50.37 | +09 59 11.5 | | 4 809 |
| 1993 UD ₈ | 1993 10 10.19653 | 02 41 02.81 | +05 23 27.7 | | 4 809 | 1994 CB ₁₃ | 1994 02 13.26111 | 11 04 49.69 | +09 59 13.5 | | 4 809 |
| 1993 UD ₈ | 1993 10 10.20972 | 02 41 02.21 | +05 23 22.5 | | 4 809 | 1994 CF ₁₅ | * 1994 02 08.24653 | 11 08 50.58 | +10 56 02.9 | 18.5 | 4 809 |
| 1993 UE ₈ | 1993 10 10.18333 | 02 39 45.65 | +05 28 36.1 | 18.4 | 4 809 | 1994 CF ₁₅ | 1994 02 08.25833 | 11 08 49.99 | +10 56 03.6 | | 4 809 |
| 1993 UE ₈ | 1993 10 10.19653 | 02 39 45.25 | +05 28 33.6 | | 4 809 | 1994 CF ₁₅ | 1994 02 08.27014 | 11 08 49.45 | +10 56 03.9 | | 4 809 |
| 1993 UE ₈ | 1993 10 10.20972 | 02 39 44.67 | +05 28 29.6 | | 4 809 | 1994 CF ₁₅ | 1994 02 10.23056 | 11 07 26.72 | +10 58 07.5 | | 4 809 |
| 1993 UH ₈ | 1993 10 10.18333 | 02 41 35.93 | +04 52 00.0 | 18.6 | 4 809 | 1994 CF ₁₅ | 1994 02 10.24236 | 11 07 26.18 | +10 58 08.2 | | 4 809 |
| 1993 UH ₈ | 1993 10 10.19653 | 02 41 35.31 | +04 51 54.4 | | 4 809 | 1994 CF ₁₅ | 1994 02 10.25417 | 11 07 25.66 | +10 58 08.2 | | 4 809 |
| 1993 UH ₈ | 1993 10 10.20972 | 02 41 34.77 | +04 51 48.6 | | 4 809 | 1994 CG ₁₅ | * 1994 02 08.24653 | 11 09 40.40 | +09 19 32.9 | 18.3 | 4 809 |
| 1993 UJ ₈ | 1993 10 10.18333 | 02 42 56.50 | +04 42 23.1 | 18.6 | 4 809 | 1994 CG ₁₅ | 1994 02 08.25833 | 11 09 39.93 | +09 19 34.5 | | 4 809 |
| 1993 UJ ₈ | 1993 10 10.19653 | 02 42 55.88 | +04 42 19.5 | | 4 809 | 1994 CG ₁₅ | 1994 02 08.27014 | 11 09 39.41 | +09 19 36.4 | | 4 809 |
| 1993 UJ ₈ | 1993 10 10.20972 | 02 42 55.21 | +04 42 18.0 | | 4 809 | 1994 CG ₁₅ | 1994 02 10.23056 | 11 08 24.38 | +09 25 38.5 | | 4 809 |
| 1993 UK ₈ | 1993 10 10.18333 | 02 41 18.23 | +07 14 48.0 | 18.6 | 4 809 | 1994 CG ₁₅ | 1994 02 10.24236 | 11 08 23.87 | +09 25 40.3 | | 4 809 |
| 1993 UK ₈ | 1993 10 10.19653 | 02 41 17.73 | +07 14 47.0 | | 4 809 | 1994 CG ₁₅ | 1994 02 10.25417 | 11 08 23.26 | +09 25 42.6 | | 4 809 |
| 1993 UK ₈ | 1993 10 10.20972 | 02 41 17.09 | +07 14 42.3 | | 4 809 | 1994 CG ₁₅ | 1994 02 13.23750 | 11 06 21.91 | +09 35 27.5 | 18.4 | 4 809 |
| 1993 UM ₈ | 1993 10 10.18333 | 02 41 15.44 | +04 49 35.8 | 18.3 | 4 809 | 1994 CG ₁₅ | 1994 02 13.24931 | 11 06 21.34 | +09 35 28.8 | | 4 809 |
| 1993 UM ₈ | 1993 10 10.19653 | 02 41 15.01 | +04 49 27.9 | | 4 809 | 1994 CG ₁₅ | 1994 02 13.26111 | 11 06 20.78 | +09 35 31.9 | | 4 809 |
| 1993 UM ₈ | 1993 10 10.20972 | 02 41 14.57 | +04 49 19.1 | | 4 809 | 1994 CH ₁₅ | * 1994 02 08.24653 | 11 09 51.08 | +09 21 23.1 | 18.5 | 4 809 |
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| 1993 UN ₈ | 1993 10 10.19653 | 02 41 40.73 | +05 01 52.7 | | 4 809 | 1994 CH ₁₅ | 1994 02 08.27014 | 11 09 49.90 | +09 21 27.6 | | 4 809 |
| 1993 UN ₈ | 1993 10 10.20972 | 02 41 40.30 | +05 01 44.0 | | 4 809 | 1994 CH ₁₅ | 1994 02 10.23056 | 11 08 19.79 | +09 30 46.0 | 18.5 | 4 809 |
| 1993 UO ₈ | 1993 10 10.18333 | 02 44 05.06 | +06 17 42.3 | 18.7 | 4 809 | 1994 CH ₁₅ | 1994 02 10.24236 | 11 08 19.18 | +09 30 49.5 | | 4 809 |
| 1993 UO ₈ | 1993 10 10.19653 | 02 44 04.50 | +06 17 37.2 | | 4 809 | 1994 CH ₁₅ | 1994 02 10.25417 | 11 08 18.57 | +09 30 52.4 | | 4 809 |
| 1993 UO ₈ | 1993 10 10.20972 | 02 44 04.00 | +06 17 31.3 | | 4 809 | 1994 CJ ₁₅ | * 1994 02 08.24653 | 11 10 18.53 | +10 11 04.7 | 18.6 | 4 809 |
| 1993 UP ₈ | 1993 10 10.18333 | 02 42 50.80 | +05 19 54.2 | 18.3 | 4 809 | 1994 CJ ₁₅ | 1994 02 08.25833 | 11 10 17.94 | +10 11 07.7 | | 4 809 |
| 1993 UP ₈ | 1993 10 10.19653 | 02 42 50.27 | +05 19 48.3 | | 4 809 | 1994 CJ ₁₅ | 1994 02 08.27014 | 11 10 17.39 | +10 11 10.2 | | 4 809 |
| 1993 UP ₈ | 1993 10 10.20972 | 02 42 49.76 | +05 19 43.2 | | 4 809 | 1994 CJ ₁₅ | 1994 02 10.23056 | 11 08 52.30 | +10 21 35.8 | 18.8 | 4 809 |
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| 1993 UQ ₈ | 1993 10 10.20972 | 02 41 14.49 | +06 51 54.2 | | 4 809 | 1994 CJ ₁₅ | 1994 02 13.23750 | 11 06 32.87 | +10 38 09.6 | 18.7 | 4 809 |
| 1993 UR ₈ | 1993 10 10.18333 | 02 44 06.47 | +04 40 42.0 | 18.5 | 4 809 | 1994 CJ ₁₅ | 1994 02 13.24931 | 11 06 32.24 | +10 38 13.3 | | 4 809 |
| 1993 UR ₈ | 1993 10 10.19653 | 02 44 05.78 | +04 40 40.7 | | 4 809 | 1994 CJ ₁₅ | 1994 02 13.26111 | 11 06 31.58 | +10 38 16.3 | | 4 809 |
| 1993 UR ₈ | 1993 10 10.20972 | 02 44 05.27 | +04 40 40.0 | | 4 809 | 1994 CK ₁₅ | * 1994 02 08.24653 | 11 10 26.25 | +12 32 25.8 | 18.6 | 4 809 |
| 1993 UU ₈ | 1993 10 10.18333 | 02 44 23.21 | +04 26 13.3 | 18.4 | 4 809 | 1994 CK ₁₅ | 1994 02 08.25833 | 11 10 25.85 | +12 32 28.7 | | 4 809 |
| 1993 UU ₈ | 1993 10 10.19653 | 02 44 22.62 | +04 26 11.9 | | 4 809 | 1994 CK ₁₅ | 1994 02 08.27014 | 11 10 25.35 | +12 32 31.3 | | 4 809 |
| 1993 UU ₈ | 1993 10 10.20972 | 02 44 22.12 | +04 26 08.3 | | 4 809 | 1994 CK ₁₅ | 1994 02 10.23056 | 11 09 02.09 | +12 41 31.6 | | 4 809 |
| 1993 UV ₈ | 1993 10 21.22986 | 02 15 05.36 | +05 52 08.3 | 18.4 | 4 809 | 1994 CK ₁₅ | 1994 02 10.24236 | 11 09 01.53 | +12 41 34.6 | | 4 809 |

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| 1994 CK ₁₅ | 1994 02 10.25417 | 11 09 01.08 | +12 41 38.1 | | 4 809 | 1994 CR ₁₅ | * 1994 02 08.24653 | 11 12 21.78 | +10 50 14.4 | 18.8 | 4 809 |
| 1994 CL ₁₅ | * 1994 02 08.24653 | 11 10 28.89 | +09 53 35.4 | 18.5 | 4 809 | 1994 CR ₁₅ | 1994 02 08.25833 | 11 12 21.30 | +10 50 17.0 | | 4 809 |
| 1994 CL ₁₅ | 1994 02 08.25833 | 11 10 28.41 | +09 53 38.3 | | 4 809 | 1994 CR ₁₅ | 1994 02 08.27014 | 11 12 20.76 | +10 50 17.8 | | 4 809 |
| 1994 CL ₁₅ | 1994 02 08.27014 | 11 10 28.02 | +09 53 41.7 | | 4 809 | 1994 CR ₁₅ | 1994 02 10.23056 | 11 11 04.36 | +10 56 26.1 | 19.0 | 4 809 |
| 1994 CL ₁₅ | 1994 02 10.23056 | 11 09 12.55 | +10 03 53.6 | | 4 809 | 1994 CR ₁₅ | 1994 02 10.24236 | 11 11 03.74 | +10 56 29.7 | | 4 809 |
| 1994 CL ₁₅ | 1994 02 10.24236 | 11 09 12.00 | +10 03 58.2 | | 4 809 | 1994 CR ₁₅ | 1994 02 10.25417 | 11 11 03.22 | +10 56 31.1 | | 4 809 |
| 1994 CL ₁₅ | 1994 02 10.25417 | 11 09 11.48 | +10 04 01.8 | | 4 809 | 1994 CS ₁₅ | * 1994 02 08.24653 | 11 13 01.55 | +11 52 31.5 | 18.6 | 4 809 |
| 1994 CL ₁₅ | 1994 02 13.23750 | 11 07 06.96 | +10 20 16.8 | 18.5 | 4 809 | 1994 CS ₁₅ | 1994 02 08.25833 | 11 13 00.88 | +11 52 33.8 | | 4 809 |
| 1994 CL ₁₅ | 1994 02 13.24931 | 11 07 06.36 | +10 20 20.7 | | 4 809 | 1994 CS ₁₅ | 1994 02 08.27014 | 11 13 00.33 | +11 52 36.4 | | 4 809 |
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| 1994 CM ₁₅ | * 1994 02 08.24653 | 11 10 50.05 | +09 48 52.7 | 18.6 | 4 809 | 1994 CS ₁₅ | 1994 02 10.24236 | 11 11 28.90 | +12 00 42.4 | | 4 809 |
| 1994 CM ₁₅ | 1994 02 08.25833 | 11 10 49.53 | +09 48 57.8 | | 4 809 | 1994 CS ₁₅ | 1994 02 10.25417 | 11 11 28.31 | +12 00 45.7 | | 4 809 |
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| 1994 CO ₁₅ | 1994 02 08.27014 | 11 11 45.66 | +12 41 17.3 | | 4 809 | 1994 CV ₁₅ | * 1994 02 08.24653 | 11 13 47.30 | +10 27 57.7 | 18.3 | 4 809 |
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| 1994 CO ₁₅ | 1994 02 13.24931 | 11 08 28.08 | +13 01 09.4 | | 4 809 | 1994 CV ₁₅ | 1994 02 10.25417 | 11 12 10.24 | +10 38 11.5 | | 4 809 |
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| 1994 CP ₁₅ | 1994 02 08.27014 | 11 12 10.27 | +12 20 41.0 | | 4 809 | 1994 CW ₁₅ | * 1994 02 08.24653 | 11 13 51.19 | +08 13 41.2 | 18.4 | 4 809 |
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| 1994 CQ ₁₅ | * 1994 02 08.24653 | 11 12 16.88 | +11 18 05.9 | 18.6 | 4 809 | 1994 CX ₁₅ | 1994 02 08.25833 | 11 13 57.86 | +09 56 05.2 | | 4 809 |
| 1994 CQ ₁₅ | 1994 02 08.25833 | 11 12 16.37 | +11 18 06.0 | | 4 809 | 1994 CX ₁₅ | 1994 02 08.27014 | 11 13 57.46 | +09 56 10.8 | | 4 809 |
| 1994 CQ ₁₅ | 1994 02 08.27014 | 11 12 15.85 | +11 18 10.2 | | 4 809 | 1994 CX ₁₅ | 1994 02 10.23056 | 11 12 56.62 | +10 11 55.5 | | 4 809 |
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| 1994 CQ ₁₅ | 1994 02 10.24236 | 11 10 58.91 | +11 23 07.1 | | 4 809 | 1994 CX ₁₅ | 1994 02 10.25417 | 11 12 55.80 | +10 12 06.0 | | 4 809 |
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| 1994 CQ ₁₅ | 1994 02 13.23750 | 11 08 54.30 | +11 30 58.6 | 18.6 | 4 809 | 1994 CX ₁₅ | 1994 02 13.24931 | 11 11 16.05 | +10 36 45.8 | | 4 809 |
| 1994 CQ ₁₅ | 1994 02 13.24931 | 11 08 53.73 | +11 31 01.1 | | 4 809 | 1994 CX ₁₅ | 1994 02 13.26111 | 11 11 15.56 | +10 36 52.5 | | 4 809 |
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| 1994 CY ₁₅ | 1994 02 08.25833 | 11 14 11.29 | +09 46 59.9 | 4 809 | 1994 CF ₁₆ | 1994 02 08.27014 | 11 15 46.36 | +12 43 14.3 | 4 809 |
| 1994 CY ₁₅ | 1994 02 08.27014 | 11 14 10.77 | +09 47 06.0 | 4 809 | 1994 CF ₁₆ | 1994 02 10.23056 | 11 14 45.48 | +12 56 31.7 | 4 809 |
| 1994 CY ₁₅ | 1994 02 10.23056 | 11 12 58.37 | +10 04 53.1 | 4 809 | 1994 CF ₁₆ | 1994 02 10.24236 | 11 14 45.12 | +12 56 36.2 | 4 809 |
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| 1994 CY ₁₅ | 1994 02 10.25417 | 11 12 57.44 | +10 05 05.6 | 4 809 | 1994 CF ₁₆ | 1994 02 13.23750 | 11 13 04.26 | +13 17 13.6 | 18.4 4 809 |
| 1994 CZ ₁₅ | * 1994 02 08.24653 | 11 14 30.54 | +08 59 29.1 | 18.5 4 809 | 1994 CF ₁₆ | 1994 02 13.24931 | 11 13 03.73 | +13 17 18.5 | 4 809 |
| 1994 CZ ₁₅ | 1994 02 08.25833 | 11 14 29.95 | +08 59 30.6 | 4 809 | 1994 CF ₁₆ | 1994 02 13.26111 | 11 13 03.26 | +13 17 23.2 | 4 809 |
| 1994 CZ ₁₅ | 1994 02 08.27014 | 11 14 29.31 | +08 59 30.8 | 4 809 | 1994 CG ₁₆ | * 1994 02 08.24653 | 11 15 58.41 | +11 25 31.9 | 18.5 4 809 |
| 1994 CZ ₁₅ | 1994 02 10.23056 | 11 12 59.37 | +09 03 13.7 | 4 809 | 1994 CG ₁₆ | 1994 02 08.25833 | 11 15 58.07 | +11 25 36.3 | 4 809 |
| 1994 CZ ₁₅ | 1994 02 10.24236 | 11 12 58.76 | +09 03 14.9 | 4 809 | 1994 CG ₁₆ | 1994 02 08.27014 | 11 15 57.64 | +11 25 41.9 | 4 809 |
| 1994 CZ ₁₅ | 1994 02 10.25417 | 11 12 58.16 | +09 03 15.7 | 4 809 | 1994 CG ₁₆ | 1994 02 10.23056 | 11 14 53.96 | +11 38 30.2 | 4 809 |
| 1994 CZ ₁₅ | 1994 02 13.23750 | 11 10 32.00 | +09 09 22.5 | 18.5 4 809 | 1994 CG ₁₆ | 1994 02 10.24236 | 11 14 53.42 | +11 38 35.6 | 4 809 |
| 1994 CZ ₁₅ | 1994 02 13.24931 | 11 10 31.36 | +09 09 23.0 | 4 809 | 1994 CG ₁₆ | 1994 02 10.25417 | 11 14 53.08 | +11 38 40.0 | 4 809 |
| 1994 CZ ₁₅ | 1994 02 13.26111 | 11 10 30.70 | +09 09 26.3 | 4 809 | 1994 CH ₁₆ | * 1994 02 08.24653 | 11 16 08.83 | +09 55 12.6 | 18.6 4 809 |
| 1994 CA ₁₆ | * 1994 02 08.24653 | 11 14 33.64 | +08 47 32.1 | 18.4 4 809 | 1994 CH ₁₆ | 1994 02 08.25833 | 11 16 08.48 | +09 55 16.0 | 4 809 |
| 1994 CA ₁₆ | 1994 02 08.25833 | 11 14 32.97 | +08 47 33.3 | 4 809 | 1994 CH ₁₆ | 1994 02 08.27014 | 11 16 08.12 | +09 55 20.2 | 4 809 |
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| 1994 CA ₁₆ | 1994 02 10.23056 | 11 13 09.06 | +08 50 13.3 | 4 809 | 1994 CH ₁₆ | 1994 02 10.24236 | 11 15 07.61 | +10 06 43.6 | 4 809 |
| 1994 CA ₁₆ | 1994 02 10.24236 | 11 13 08.44 | +08 50 14.5 | 4 809 | 1994 CH ₁₆ | 1994 02 10.25417 | 11 15 07.17 | +10 06 47.0 | 4 809 |
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| 1994 CA ₁₆ | 1994 02 13.24931 | 11 10 47.49 | +08 55 03.7 | 4 809 | 1994 CJ ₁₆ | 1994 02 08.27014 | 11 16 09.75 | +09 46 33.4 | 4 809 |
| 1994 CA ₁₆ | 1994 02 13.26111 | 11 10 46.83 | +08 55 04.1 | 4 809 | 1994 CJ ₁₆ | 1994 02 10.23056 | 11 15 05.37 | +10 01 21.9 | 4 809 |
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| 1994 CB ₁₆ | 1994 02 08.25833 | 11 14 51.79 | +11 49 58.3 | 4 809 | 1994 CJ ₁₆ | 1994 02 10.25417 | 11 15 04.44 | +10 01 32.5 | 4 809 |
| 1994 CB ₁₆ | 1994 02 08.27014 | 11 14 51.45 | +11 50 01.7 | 4 809 | 1994 CJ ₁₆ | 1994 02 13.23750 | 11 13 13.85 | +10 25 06.8 | 18.0 4 809 |
| 1994 CB ₁₆ | 1994 02 10.23056 | 11 13 45.44 | +12 00 26.9 | 4 809 | 1994 CJ ₁₆ | 1994 02 13.24931 | 11 13 13.30 | +10 25 13.1 | 4 809 |
| 1994 CB ₁₆ | 1994 02 10.24236 | 11 13 45.01 | +12 00 32.3 | 4 809 | 1994 CJ ₁₆ | 1994 02 13.26111 | 11 13 12.76 | +10 25 19.0 | 4 809 |
| 1994 CB ₁₆ | 1994 02 10.25417 | 11 13 44.56 | +12 00 35.6 | 4 809 | 1994 CK ₁₆ | * 1994 02 08.24653 | 11 16 23.32 | +09 44 17.7 | 18.4 4 809 |
| 1994 CC ₁₆ | * 1994 02 08.24653 | 11 15 08.96 | +09 46 48.3 | 18.4 4 809 | 1994 CK ₁₆ | 1994 02 08.25833 | 11 16 22.82 | +09 44 20.9 | 4 809 |
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| 1994 CC ₁₆ | 1994 02 10.24236 | 11 13 54.78 | +09 58 48.6 | 4 809 | 1994 CK ₁₆ | 1994 02 10.25417 | 11 15 09.21 | +09 54 14.7 | 4 809 |
| 1994 CC ₁₆ | 1994 02 10.25417 | 11 13 54.26 | +09 58 53.4 | 4 809 | 1994 CL ₁₆ | * 1994 02 08.24653 | 11 16 38.81 | +08 22 23.9 | 18.4 4 809 |
| 1994 CC ₁₆ | 1994 02 13.23750 | 11 11 53.78 | +10 17 30.0 | 18.5 4 809 | 1994 CL ₁₆ | 1994 02 08.25833 | 11 16 38.36 | +08 22 27.1 | 4 809 |
| 1994 CC ₁₆ | 1994 02 13.24931 | 11 11 53.24 | +10 17 34.1 | 4 809 | 1994 CL ₁₆ | 1994 02 08.27014 | 11 16 37.92 | +08 22 30.0 | 4 809 |
| 1994 CC ₁₆ | 1994 02 13.26111 | 11 11 52.75 | +10 17 38.7 | 4 809 | 1994 CL ₁₆ | 1994 02 10.23056 | 11 15 33.24 | +08 32 54.9 | 4 809 |
| 1994 CD ₁₆ | * 1994 02 08.24653 | 11 15 09.98 | +09 59 41.8 | 18.7 4 809 | 1994 CL ₁₆ | 1994 02 10.24236 | 11 15 32.76 | +08 32 58.3 | 4 809 |
| 1994 CD ₁₆ | 1994 02 08.25833 | 11 15 09.49 | +09 59 42.7 | 4 809 | 1994 CL ₁₆ | 1994 02 10.25417 | 11 15 32.27 | +08 33 02.4 | 4 809 |
| 1994 CD ₁₆ | 1994 02 08.27014 | 11 15 09.05 | +09 59 43.0 | 4 809 | 1994 CL ₁₆ | 1994 02 13.23750 | 11 13 44.44 | +08 49 39.2 | 18.4 4 809 |
| 1994 CD ₁₆ | 1994 02 10.23056 | 11 13 47.71 | +10 03 30.6 | 4 809 | 1994 CL ₁₆ | 1994 02 13.24931 | 11 13 43.86 | +08 49 41.8 | 4 809 |
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| 1994 CD ₁₆ | 1994 02 10.25417 | 11 13 46.40 | +10 03 35.8 | 4 809 | 1994 CM ₁₆ | * 1994 02 08.24653 | 11 16 58.15 | +09 17 51.3 | 18.5 4 809 |
| 1994 CE ₁₆ | * 1994 02 08.24653 | 11 15 40.42 | +08 07 09.2 | 18.5 4 809 | 1994 CM ₁₆ | 1994 02 08.25833 | 11 16 57.69 | +09 17 55.1 | 4 809 |
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| 1994 CE ₁₆ | 1994 02 10.23056 | 11 14 56.77 | +08 19 27.9 | 4 809 | 1994 CM ₁₆ | 1994 02 10.24236 | 11 15 38.05 | +09 29 18.0 | 4 809 |
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| 1994 CE ₁₆ | 1994 02 10.25417 | 11 14 55.97 | +08 19 36.1 | 4 809 | 1994 CM ₁₆ | 1994 02 13.23750 | 11 13 28.66 | +09 47 13.4 | 18.6 4 809 |
| 1994 CF ₁₆ | * 1994 02 08.24653 | 11 15 47.19 | +12 43 05.2 | 18.4 4 809 | 1994 CM ₁₆ | 1994 02 13.24931 | 11 13 27.94 | +09 47 17.0 | 4 809 |
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| 1994 CN ₁₆ | 1994 02 10.23056 | 11 15 52.87 | +11 12 31.0 | | 4 809 | 1994 CT ₁₆ | 1994 02 10.24236 | 11 16 59.48 | +09 03 01.8 | 4 809 |
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| 1994 CO ₁₆ | 1994 02 10.24236 | 11 16 18.44 | +10 12 24.2 | | 4 809 | 1994 CU ₁₆ | 1994 02 10.25417 | 11 17 03.07 | +13 05 53.5 | 4 809 |
| 1994 CO ₁₆ | 1994 02 10.25417 | 11 16 17.94 | +10 12 29.9 | | 4 809 | 1994 CV ₁₆ | * 1994 02 08.24653 | 11 18 31.13 | +08 14 43.8 | 18.4 4 809 |
| 1994 CO ₁₆ | 1994 02 13.23750 | 11 14 20.81 | +10 38 36.8 | 18.4 | 4 809 | 1994 CV ₁₆ | 1994 02 08.25833 | 11 18 30.70 | +08 14 46.9 | 4 809 |
| 1994 CO ₁₆ | 1994 02 13.24931 | 11 14 20.26 | +10 38 42.7 | | 4 809 | 1994 CV ₁₆ | 1994 02 08.27014 | 11 18 30.28 | +08 14 49.9 | 4 809 |
| 1994 CO ₁₆ | 1994 02 13.26111 | 11 14 19.71 | +10 38 49.3 | | 4 809 | 1994 CV ₁₆ | 1994 02 10.23056 | 11 17 25.46 | +08 24 25.6 | 4 809 |
| 1994 CP ₁₆ | * 1994 02 08.24653 | 11 17 37.92 | +09 13 58.8 | 18.4 | 4 809 | 1994 CV ₁₆ | 1994 02 10.24236 | 11 17 24.88 | +08 24 30.3 | 4 809 |
| 1994 CP ₁₆ | 1994 02 08.25833 | 11 17 37.37 | +09 14 02.4 | | 4 809 | 1994 CV ₁₆ | 1994 02 10.25417 | 11 17 24.60 | +08 24 33.2 | 4 809 |
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| 1994 CP ₁₆ | 1994 02 10.23056 | 11 16 23.21 | +09 23 21.4 | | 4 809 | 1994 CV ₁₆ | 1994 02 13.24931 | 11 15 37.10 | +08 39 53.8 | 4 809 |
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| 1994 CP ₁₆ | 1994 02 10.25417 | 11 16 22.06 | +09 23 27.8 | | 4 809 | 1994 CW ₁₆ | * 1994 02 08.24653 | 11 18 58.96 | +10 21 13.7 | 18.4 4 809 |
| 1994 CQ ₁₆ | * 1994 02 08.24653 | 11 17 58.80 | +09 25 49.1 | 18.5 | 4 809 | 1994 CW ₁₆ | 1994 02 08.25833 | 11 18 58.51 | +10 21 19.6 | 4 809 |
| 1994 CQ ₁₆ | 1994 02 08.25833 | 11 17 58.25 | +09 25 51.0 | | 4 809 | 1994 CW ₁₆ | 1994 02 08.27014 | 11 18 58.12 | +10 21 24.0 | 4 809 |
| 1994 CQ ₁₆ | 1994 02 08.27014 | 11 17 57.66 | +09 25 52.9 | | 4 809 | 1994 CW ₁₆ | 1994 02 10.23056 | 11 17 56.24 | +10 37 15.6 | 4 809 |
| 1994 CQ ₁₆ | 1994 02 10.23056 | 11 16 28.61 | +09 32 48.6 | | 4 809 | 1994 CW ₁₆ | 1994 02 10.24236 | 11 17 55.84 | +10 37 20.6 | 4 809 |
| 1994 CQ ₁₆ | 1994 02 10.24236 | 11 16 27.93 | +09 32 54.3 | | 4 809 | 1994 CW ₁₆ | 1994 02 10.25417 | 11 17 55.36 | +10 37 26.2 | 4 809 |
| 1994 CQ ₁₆ | 1994 02 10.25417 | 11 16 27.36 | +09 32 54.2 | | 4 809 | 1994 CW ₁₆ | 1994 02 13.23750 | 11 16 08.25 | +11 02 33.9 | 18.4 4 809 |
| 1994 CQ ₁₆ | 1994 02 13.23750 | 11 14 01.76 | +09 44 03.1 | 18.5 | 4 809 | 1994 CW ₁₆ | 1994 02 13.24931 | 11 16 07.79 | +11 02 39.8 | 4 809 |
| 1994 CQ ₁₆ | 1994 02 13.24931 | 11 14 01.10 | +09 44 06.3 | | 4 809 | 1994 CW ₁₆ | 1994 02 13.26111 | 11 16 07.27 | +11 02 44.8 | 4 809 |
| 1994 CQ ₁₆ | 1994 02 13.26111 | 11 14 00.46 | +09 44 09.5 | | 4 809 | 1994 CX ₁₆ | * 1994 02 08.24653 | 11 19 23.40 | +12 11 28.5 | 18.4 4 809 |
| 1994 CR ₁₆ | * 1994 02 08.24653 | 11 17 59.47 | +08 40 44.7 | 18.5 | 4 809 | 1994 CX ₁₆ | 1994 02 08.25833 | 11 19 23.06 | +12 11 31.1 | 4 809 |
| 1994 CR ₁₆ | 1994 02 08.25833 | 11 17 58.92 | +08 40 46.7 | | 4 809 | 1994 CX ₁₆ | 1994 02 08.27014 | 11 19 22.75 | +12 11 33.7 | 4 809 |
| 1994 CR ₁₆ | 1994 02 08.27014 | 11 17 58.46 | +08 40 48.8 | | 4 809 | 1994 CX ₁₆ | 1994 02 10.23056 | 11 18 29.54 | +12 20 04.2 | 4 809 |
| 1994 CR ₁₆ | 1994 02 10.23056 | 11 16 51.23 | +08 48 26.2 | | 4 809 | 1994 CX ₁₆ | 1994 02 10.24236 | 11 18 29.18 | +12 20 06.8 | 4 809 |
| 1994 CR ₁₆ | 1994 02 10.24236 | 11 16 50.77 | +08 48 28.1 | | 4 809 | 1994 CX ₁₆ | 1994 02 10.25417 | 11 18 28.91 | +12 20 09.3 | 4 809 |
| 1994 CR ₁₆ | 1994 02 10.25417 | 11 16 50.33 | +08 48 31.5 | | 4 809 | 1994 CX ₁₆ | 1994 02 13.23750 | 11 17 02.79 | +12 33 14.0 | 18.5 4 809 |
| 1994 CR ₁₆ | 1994 02 13.23750 | 11 14 54.75 | +09 01 01.6 | 18.5 | 4 809 | 1994 CX ₁₆ | 1994 02 13.24931 | 11 17 02.41 | +12 33 16.8 | 4 809 |
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| 1994 CS ₁₆ | * 1994 02 08.24653 | 11 18 04.94 | +10 18 57.3 | 18.5 | 4 809 | 1994 CY ₁₆ | 1994 02 08.25833 | 11 19 30.65 | +10 14 36.1 | 4 809 |
| 1994 CS ₁₆ | 1994 02 08.25833 | 11 18 04.56 | +10 19 03.8 | | 4 809 | 1994 CY ₁₆ | 1994 02 08.27014 | 11 19 30.22 | +10 14 37.7 | 4 809 |
| 1994 CS ₁₆ | 1994 02 08.27014 | 11 18 04.21 | +10 19 08.2 | | 4 809 | 1994 CY ₁₆ | 1994 02 10.23056 | 11 18 20.86 | +10 25 07.6 | 4 809 |
| 1994 CS ₁₆ | 1994 02 10.23056 | 11 17 07.25 | +10 36 05.1 | | 4 809 | 1994 CY ₁₆ | 1994 02 10.24236 | 11 18 20.42 | +10 25 10.3 | 4 809 |
| 1994 CS ₁₆ | 1994 02 10.24236 | 11 17 06.84 | +10 36 12.8 | | 4 809 | 1994 CY ₁₆ | 1994 02 10.25417 | 11 18 19.92 | +10 25 15.3 | 4 809 |
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| 1994 CS ₁₆ | 1994 02 13.23750 | 11 15 29.40 | +11 02 52.6 | 18.5 | 4 809 | 1994 CY ₁₆ | 1994 02 13.24931 | 11 16 21.22 | +10 42 04.2 | 4 809 |
| 1994 CS ₁₆ | 1994 02 13.24931 | 11 15 28.88 | +11 03 01.3 | | 4 809 | 1994 CY ₁₆ | 1994 02 13.26111 | 11 16 20.58 | +10 42 08.7 | 4 809 |
| 1994 CS ₁₆ | 1994 02 13.26111 | 11 15 28.42 | +11 03 06.5 | | 4 809 | 1994 CZ ₁₆ | * 1994 02 08.24653 | 11 19 38.88 | +11 45 50.7 | 18.4 4 809 |
| 1994 CT ₁₆ | * 1994 02 08.24653 | 11 18 09.34 | +08 57 17.8 | 18.6 | 4 809 | 1994 CZ ₁₆ | 1994 02 08.25833 | 11 19 38.43 | +11 45 57.3 | 4 809 |

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|-----------------------|--------------------|-------------|-------------|-------|-----------------------|-----------------------|------------------|-------------|-------------|-------|
| 1994 CZ ₁₆ | 1994 02 08.27014 | 11 19 37.97 | +11 46 03.8 | 4 809 | 1994 CF ₁₇ | * 1994 02 08.24653 | 11 20 22.59 | +10 52 32.4 | 18.8 | 4 809 |
| 1994 CZ ₁₆ | 1994 02 10.23056 | 11 18 32.37 | +12 05 08.9 | 4 809 | 1994 CF ₁₇ | 1994 02 08.25833 | 11 20 22.12 | +10 52 37.6 | | 4 809 |
| 1994 CZ ₁₆ | 1994 02 10.24236 | 11 18 32.00 | +12 05 15.4 | 4 809 | 1994 CF ₁₇ | 1994 02 08.27014 | 11 20 21.72 | +10 52 41.4 | | 4 809 |
| 1994 CZ ₁₆ | 1994 02 10.25417 | 11 18 31.53 | +12 05 22.7 | 4 809 | 1994 CF ₁₇ | 1994 02 10.23056 | 11 19 16.49 | +11 05 43.1 | | 4 809 |
| 1994 CZ ₁₆ | 1994 02 13.23750 | 11 16 42.97 | +12 35 00.5 | 18.4 | 4 809 | 1994 CF ₁₇ | 1994 02 10.24236 | 11 19 16.03 | +11 05 47.4 | 4 809 |
| 1994 CZ ₁₆ | 1994 02 13.24931 | 11 16 42.51 | +12 35 07.0 | 4 809 | 1994 CF ₁₇ | 1994 02 10.25417 | 11 19 15.58 | +11 05 50.4 | | 4 809 |
| 1994 CZ ₁₆ | 1994 02 13.26111 | 11 16 41.95 | +12 35 14.8 | 4 809 | 1994 CG ₁₇ | * 1994 02 08.24653 | 11 20 24.25 | +10 11 34.5 | 18.4 | 4 809 |
| 1994 CA ₁₇ | * 1994 02 08.24653 | 11 19 47.65 | +08 34 07.0 | 18.4 | 4 809 | 1994 CG ₁₇ | 1994 02 08.25833 | 11 20 23.82 | +10 11 38.3 | 4 809 |
| 1994 CA ₁₇ | 1994 02 08.25833 | 11 19 47.21 | +08 34 10.8 | 4 809 | 1994 CG ₁₇ | 1994 02 08.27014 | 11 20 23.26 | +10 11 40.5 | | 4 809 |
| 1994 CA ₁₇ | 1994 02 08.27014 | 11 19 46.75 | +08 34 14.1 | 4 809 | 1994 CG ₁₇ | 1994 02 10.23056 | 11 19 01.22 | +10 19 05.0 | | 4 809 |
| 1994 CA ₁₇ | 1994 02 10.23056 | 11 18 39.45 | +08 45 29.9 | 4 809 | 1994 CG ₁₇ | 1994 02 10.24236 | 11 19 00.55 | +10 19 08.8 | | 4 809 |
| 1994 CA ₁₇ | 1994 02 10.24236 | 11 18 38.90 | +08 45 35.6 | 4 809 | 1994 CG ₁₇ | 1994 02 10.25417 | 11 18 59.97 | +10 19 10.6 | | 4 809 |
| 1994 CA ₁₇ | 1994 02 10.25417 | 11 18 38.48 | +08 45 38.5 | 4 809 | 1994 CG ₁₇ | 1994 02 13.23750 | 11 16 42.56 | +10 31 07.1 | 18.4 | 4 809 |
| 1994 CA ₁₇ | 1994 02 13.23750 | 11 16 44.14 | +09 03 44.3 | 18.5 | 4 809 | 1994 CG ₁₇ | 1994 02 13.24931 | 11 16 41.87 | +10 31 09.6 | 4 809 |
| 1994 CA ₁₇ | 1994 02 13.24931 | 11 16 43.52 | +09 03 48.1 | 4 809 | 1994 CG ₁₇ | 1994 02 13.26111 | 11 16 41.28 | +10 31 13.2 | | 4 809 |
| 1994 CA ₁₇ | 1994 02 13.26111 | 11 16 42.99 | +09 03 51.5 | 4 809 | 1994 CH ₁₇ | * 1994 02 08.24653 | 11 20 25.97 | +12 12 36.4 | 18.4 | 4 809 |
| 1994 CB ₁₇ | * 1994 02 08.24653 | 11 19 59.91 | +09 27 07.0 | 18.3 | 4 809 | 1994 CH ₁₇ | 1994 02 08.25833 | 11 20 25.54 | +12 12 41.7 | 4 809 |
| 1994 CB ₁₇ | 1994 02 08.25833 | 11 19 59.43 | +09 27 10.7 | 4 809 | 1994 CH ₁₇ | 1994 02 08.27014 | 11 20 25.17 | +12 12 45.2 | | 4 809 |
| 1994 CB ₁₇ | 1994 02 08.27014 | 11 19 59.08 | +09 27 14.3 | 4 809 | 1994 CH ₁₇ | 1994 02 10.23056 | 11 19 14.33 | +12 24 42.7 | | 4 809 |
| 1994 CB ₁₇ | 1994 02 10.23056 | 11 19 02.22 | +09 38 26.5 | 4 809 | 1994 CH ₁₇ | 1994 02 10.24236 | 11 19 13.86 | +12 24 48.0 | | 4 809 |
| 1994 CB ₁₇ | 1994 02 10.24236 | 11 19 01.78 | +09 38 29.9 | 4 809 | 1994 CH ₁₇ | 1994 02 10.25417 | 11 19 13.41 | +12 24 52.3 | | 4 809 |
| 1994 CB ₁₇ | 1994 02 10.25417 | 11 19 01.39 | +09 38 34.5 | 4 809 | 1994 CH ₁₇ | 1994 02 13.23750 | 11 17 16.03 | +12 43 31.8 | 18.4 | 4 809 |
| 1994 CB ₁₇ | 1994 02 13.23750 | 11 17 22.21 | +09 56 40.2 | 18.4 | 4 809 | 1994 CH ₁₇ | 1994 02 13.24931 | 11 17 15.52 | +12 43 35.1 | 4 809 |
| 1994 CB ₁₇ | 1994 02 13.24931 | 11 17 21.70 | +09 56 44.4 | 4 809 | 1994 CH ₁₇ | 1994 02 13.26111 | 11 17 14.93 | +12 43 40.6 | | 4 809 |
| 1994 CB ₁₇ | 1994 02 13.26111 | 11 17 21.20 | +09 56 48.7 | 4 809 | 1994 CJ ₁₇ | * 1994 02 08.24653 | 11 20 36.29 | +11 59 55.3 | 18.5 | 4 809 |
| 1994 CC ₁₇ | * 1994 02 08.24653 | 11 20 03.48 | +10 23 40.3 | 18.3 | 4 809 | 1994 CJ ₁₇ | 1994 02 08.25833 | 11 20 35.84 | +12 00 00.3 | 4 809 |
| 1994 CC ₁₇ | 1994 02 08.25833 | 11 20 03.02 | +10 23 44.1 | 4 809 | 1994 CJ ₁₇ | 1994 02 08.27014 | 11 20 35.29 | +12 00 06.3 | | 4 809 |
| 1994 CC ₁₇ | 1994 02 08.27014 | 11 20 02.56 | +10 23 47.4 | 4 809 | 1994 CJ ₁₇ | 1994 02 10.23056 | 11 19 19.47 | +12 16 10.0 | | 4 809 |
| 1994 CC ₁₇ | 1994 02 10.23056 | 11 18 52.56 | +10 34 18.0 | 4 809 | 1994 CJ ₁₇ | 1994 02 10.24236 | 11 19 18.93 | +12 16 16.5 | | 4 809 |
| 1994 CC ₁₇ | 1994 02 10.24236 | 11 18 52.05 | +10 34 21.0 | 4 809 | 1994 CJ ₁₇ | 1994 02 10.25417 | 11 19 18.47 | +12 16 22.0 | | 4 809 |
| 1994 CC ₁₇ | 1994 02 10.25417 | 11 18 51.67 | +10 34 23.7 | 4 809 | 1994 CJ ₁₇ | 1994 02 13.23750 | 11 17 12.70 | +12 41 20.0 | 18.4 | 4 809 |
| 1994 CC ₁₇ | 1994 02 13.23750 | 11 16 51.68 | +10 51 08.3 | 18.4 | 4 809 | 1994 CJ ₁₇ | 1994 02 13.24931 | 11 17 12.13 | +12 41 25.2 | 4 809 |
| 1994 CC ₁₇ | 1994 02 13.24931 | 11 16 51.15 | +10 51 12.8 | 4 809 | 1994 CJ ₁₇ | 1994 02 13.26111 | 11 17 11.52 | +12 41 32.1 | | 4 809 |
| 1994 CC ₁₇ | 1994 02 13.26111 | 11 16 50.59 | +10 51 15.7 | 4 809 | 1994 CK ₁₇ | * 1994 02 08.24653 | 11 20 41.91 | +10 38 07.6 | 18.3 | 4 809 |
| 1994 CD ₁₇ | * 1994 02 08.24653 | 11 20 06.55 | +08 53 40.4 | 18.4 | 4 809 | 1994 CK ₁₇ | 1994 02 08.25833 | 11 20 41.38 | +10 38 09.3 | 4 809 |
| 1994 CD ₁₇ | 1994 02 08.25833 | 11 20 06.09 | +08 53 43.8 | 4 809 | 1994 CK ₁₇ | 1994 02 08.27014 | 11 20 40.83 | +10 38 12.3 | | 4 809 |
| 1994 CD ₁₇ | 1994 02 08.27014 | 11 20 05.63 | +08 53 47.1 | 4 809 | 1994 CK ₁₇ | 1994 02 10.23056 | 11 19 12.82 | +10 45 36.2 | | 4 809 |
| 1994 CD ₁₇ | 1994 02 10.23056 | 11 18 59.15 | +09 04 51.5 | 4 809 | 1994 CK ₁₇ | 1994 02 10.24236 | 11 19 12.21 | +10 45 37.9 | | 4 809 |
| 1994 CD ₁₇ | 1994 02 10.24236 | 11 18 58.69 | +09 04 55.8 | 4 809 | 1994 CK ₁₇ | 1994 02 10.25417 | 11 19 11.66 | +10 45 41.3 | | 4 809 |
| 1994 CD ₁₇ | 1994 02 10.25417 | 11 18 58.18 | +09 04 59.9 | 4 809 | 1994 CK ₁₇ | 1994 02 13.23750 | 11 16 46.98 | +10 57 22.0 | 18.4 | 4 809 |
| 1994 CD ₁₇ | 1994 02 13.23750 | 11 17 07.17 | +09 22 44.8 | 18.4 | 4 809 | 1994 CK ₁₇ | 1994 02 13.24931 | 11 16 46.30 | +10 57 24.8 | 4 809 |
| 1994 CD ₁₇ | 1994 02 13.24931 | 11 17 06.63 | +09 22 49.7 | 4 809 | 1994 CK ₁₇ | 1994 02 13.26111 | 11 16 45.69 | +10 57 27.5 | | 4 809 |
| 1994 CD ₁₇ | 1994 02 13.26111 | 11 17 06.13 | +09 22 53.9 | 4 809 | 1994 CL ₁₇ | * 1994 02 08.24653 | 11 20 42.42 | +09 45 33.0 | 18.6 | 4 809 |
| 1994 CE ₁₇ | * 1994 02 08.24653 | 11 20 17.77 | +12 17 02.4 | 18.3 | 4 809 | 1994 CL ₁₇ | 1994 02 08.25833 | 11 20 42.01 | +09 45 37.9 | 4 809 |
| 1994 CE ₁₇ | 1994 02 08.25833 | 11 20 17.23 | +12 17 04.5 | 4 809 | 1994 CL ₁₇ | 1994 02 08.27014 | 11 20 41.68 | +09 45 43.0 | | 4 809 |
| 1994 CE ₁₇ | 1994 02 08.27014 | 11 20 16.66 | +12 17 07.6 | 4 809 | 1994 CL ₁₇ | 1994 02 10.23056 | 11 19 37.69 | +09 59 08.4 | | 4 809 |
| 1994 CE ₁₇ | 1994 02 10.23056 | 11 18 48.68 | +12 25 02.8 | 4 809 | 1994 CL ₁₇ | 1994 02 10.24236 | 11 19 37.25 | +09 59 15.6 | | 4 809 |
| 1994 CE ₁₇ | 1994 02 10.24236 | 11 18 48.08 | +12 25 06.1 | 4 809 | 1994 CL ₁₇ | 1994 02 10.25417 | 11 19 36.89 | +09 59 18.2 | | 4 809 |
| 1994 CE ₁₇ | 1994 02 10.25417 | 11 18 47.53 | +12 25 08.5 | 4 809 | 1994 CM ₁₇ | * 1994 02 08.24653 | 11 20 45.92 | +08 39 04.1 | 18.5 | 4 809 |
| 1994 CE ₁₇ | 1994 02 13.23750 | 11 16 22.80 | +12 37 31.7 | 18.3 | 4 809 | 1994 CM ₁₇ | 1994 02 08.25833 | 11 20 45.33 | +08 39 04.4 | 4 809 |
| 1994 CE ₁₇ | 1994 02 13.24931 | 11 16 22.16 | +12 37 34.4 | 4 809 | 1994 CM ₁₇ | 1994 02 08.27014 | 11 20 44.71 | +08 39 05.7 | | 4 809 |
| 1994 CE ₁₇ | 1994 02 13.26111 | 11 16 21.47 | +12 37 37.5 | 4 809 | 1994 CM ₁₇ | 1994 02 10.23056 | 11 19 17.15 | +08 42 34.1 | | 4 809 |

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| 1994 CM ₁₇ | 1994 02 10.24236 | 11 19 16.64 | +08 42 35.5 | | 4 809 | 1994 CS ₁₇ | 1994 02 10.25417 | 11 22 02.41 | +11 39 16.5 | | 4 809 |
| 1994 CM ₁₇ | 1994 02 10.25417 | 11 19 15.97 | +08 42 37.0 | | 4 809 | 1994 CT ₁₇ | * 1994 02 08.24653 | 11 23 05.27 | +08 45 29.5 | 18.5 | 4 809 |
| 1994 CM ₁₇ | 1994 02 13.23750 | 11 16 54.42 | +08 48 17.5 | 18.5 | 4 809 | 1994 CT ₁₇ | 1994 02 08.25833 | 11 23 04.74 | +08 45 33.0 | | 4 809 |
| 1994 CM ₁₇ | 1994 02 13.24931 | 11 16 53.84 | +08 48 18.9 | | 4 809 | 1994 CT ₁₇ | 1994 02 08.27014 | 11 23 04.35 | +08 45 35.7 | | 4 809 |
| 1994 CM ₁₇ | 1994 02 13.26111 | 11 16 53.20 | +08 48 20.3 | | 4 809 | 1994 CT ₁₇ | 1994 02 10.23056 | 11 21 59.83 | +08 53 36.9 | | 4 809 |
| 1994 CN ₁₇ | * 1994 02 08.24653 | 11 21 19.51 | +12 04 41.6 | 18.4 | 4 809 | 1994 CT ₁₇ | 1994 02 10.24236 | 11 21 59.32 | +08 53 40.4 | | 4 809 |
| 1994 CN ₁₇ | 1994 02 08.25833 | 11 21 18.98 | +12 04 44.1 | | 4 809 | 1994 CT ₁₇ | 1994 02 10.25417 | 11 21 58.91 | +08 53 41.4 | | 4 809 |
| 1994 CN ₁₇ | 1994 02 08.27014 | 11 21 18.41 | +12 04 46.5 | | 4 809 | 1994 CU ₁₇ | * 1994 02 08.24653 | 11 23 09.35 | +10 17 59.3 | 18.7 | 4 809 |
| 1994 CN ₁₇ | 1994 02 10.23056 | 11 19 53.09 | +12 11 20.3 | | 4 809 | 1994 CU ₁₇ | 1994 02 08.25833 | 11 23 08.89 | +10 18 01.9 | | 4 809 |
| 1994 CN ₁₇ | 1994 02 10.24236 | 11 19 52.52 | +12 11 21.8 | | 4 809 | 1994 CU ₁₇ | 1994 02 08.27014 | 11 23 08.69 | +10 18 06.3 | | 4 809 |
| 1994 CN ₁₇ | 1994 02 10.25417 | 11 19 52.03 | +12 11 24.9 | | 4 809 | 1994 CU ₁₇ | 1994 02 10.23056 | 11 22 04.95 | +10 27 47.0 | | 4 809 |
| 1994 CN ₁₇ | 1994 02 13.23750 | 11 17 30.85 | +12 21 48.2 | 18.5 | 4 809 | 1994 CU ₁₇ | 1994 02 10.24236 | 11 22 04.36 | +10 27 50.9 | | 4 809 |
| 1994 CN ₁₇ | 1994 02 13.24931 | 11 17 30.26 | +12 21 50.3 | | 4 809 | 1994 CU ₁₇ | 1994 02 10.25417 | 11 22 04.02 | +10 27 55.1 | | 4 809 |
| 1994 CN ₁₇ | 1994 02 13.26111 | 11 17 29.65 | +12 21 52.8 | | 4 809 | 1994 CU ₁₇ | 1994 02 13.23750 | 11 20 14.20 | +10 43 26.7 | 18.8 | 4 809 |
| 1994 CO ₁₇ | * 1994 02 08.24653 | 11 21 39.97 | +10 45 58.4 | 18.3 | 4 809 | 1994 CU ₁₇ | 1994 02 13.24931 | 11 20 13.56 | +10 43 30.3 | | 4 809 |
| 1994 CO ₁₇ | 1994 02 08.25833 | 11 21 39.46 | +10 46 02.2 | | 4 809 | 1994 CU ₁₇ | 1994 02 13.26111 | 11 20 12.96 | +10 43 33.6 | | 4 809 |
| 1994 CO ₁₇ | 1994 02 08.27014 | 11 21 39.03 | +10 46 06.3 | | 4 809 | 1994 CV ₁₇ | * 1994 02 08.24653 | 11 23 23.78 | +10 03 00.2 | 18.3 | 4 809 |
| 1994 CO ₁₇ | 1994 02 10.23056 | 11 20 26.24 | +10 57 20.0 | | 4 809 | 1994 CV ₁₇ | 1994 02 08.25833 | 11 23 23.41 | +10 03 03.5 | | 4 809 |
| 1994 CO ₁₇ | 1994 02 10.24236 | 11 20 25.69 | +10 57 24.2 | | 4 809 | 1994 CV ₁₇ | 1994 02 08.27014 | 11 23 23.03 | +10 03 06.2 | | 4 809 |
| 1994 CO ₁₇ | 1994 02 10.25417 | 11 20 25.20 | +10 57 27.6 | | 4 809 | 1994 CV ₁₇ | 1994 02 10.23056 | 11 22 25.03 | +10 12 43.3 | | 4 809 |
| 1994 CO ₁₇ | 1994 02 13.23750 | 11 18 23.94 | +11 15 12.2 | 18.3 | 4 809 | 1994 CV ₁₇ | 1994 02 10.24236 | 11 22 24.65 | +10 12 47.4 | | 4 809 |
| 1994 CO ₁₇ | 1994 02 13.24931 | 11 18 23.38 | +11 15 16.1 | | 4 809 | 1994 CV ₁₇ | 1994 02 10.25417 | 11 22 24.21 | +10 12 50.4 | | 4 809 |
| 1994 CO ₁₇ | 1994 02 13.26111 | 11 18 22.77 | +11 15 20.6 | | 4 809 | 1994 CV ₁₇ | 1994 02 13.23750 | 11 20 44.41 | +10 28 12.8 | 18.3 | 4 809 |
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| 1994 CP ₁₇ | 1994 02 08.27014 | 11 22 18.62 | +12 46 10.0 | | 4 809 | 1994 CW ₁₇ | * 1994 02 08.24653 | 11 23 28.38 | +13 12 47.4 | 18.5 | 4 809 |
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|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------------|
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| 1994 CA ₁₈ | 1994 02 08.25833 | 11 24 21.68 | +10 12 18.7 | | 4 809 | 1994 CG ₁₈ | 1994 02 08.27014 | 11 25 49.75 | +11 09 30.0 | 4 809 |
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| 1994 CA ₁₈ | 1994 02 10.23056 | 11 23 19.08 | +10 23 29.9 | | 4 809 | 1994 CG ₁₈ | 1994 02 10.24236 | 11 24 51.64 | +11 20 37.8 | 4 809 |
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| 1994 CB ₁₈ | 1994 02 10.24236 | 11 24 08.17 | +10 28 35.3 | | 4 809 | 1994 CH ₁₈ | 1994 02 10.25417 | 11 24 53.44 | +11 01 22.4 | 4 809 |
| 1994 CB ₁₈ | 1994 02 10.25417 | 11 24 07.80 | +10 28 38.9 | | 4 809 | 1994 CJ ₁₈ | * 1994 02 08.24653 | 11 26 20.97 | +10 16 13.8 | 18.3 4 809 |
| 1994 CB ₁₈ | 1994 02 13.23750 | 11 22 37.19 | +10 52 36.5 | 18.6 | 4 809 | 1994 CJ ₁₈ | 1994 02 08.25833 | 11 26 20.47 | +10 16 16.7 | 4 809 |
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| 1994 CB ₁₈ | 1994 02 13.26111 | 11 22 36.29 | +10 52 50.1 | | 4 809 | 1994 CJ ₁₈ | 1994 02 10.23056 | 11 24 59.42 | +10 23 32.4 | 4 809 |
| 1994 CC ₁₈ | * 1994 02 08.24653 | 11 25 23.30 | +11 53 37.3 | 18.2 | 4 809 | 1994 CK ₁₈ | 1994 02 10.24236 | 11 24 58.85 | +10 23 35.4 | 4 809 |
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| 1994 CC ₁₈ | 1994 02 08.27014 | 11 25 22.17 | +11 53 40.5 | | 4 809 | 1994 CK ₁₈ | * 1994 02 08.24653 | 11 26 45.39 | +08 43 16.5 | 18.6 4 809 |
| 1994 CC ₁₈ | 1994 02 10.23056 | 11 23 46.04 | +11 57 26.3 | | 4 809 | 1994 CK ₁₈ | 1994 02 08.25833 | 11 26 45.00 | +08 43 16.7 | 4 809 |
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| 1994 CC ₁₈ | 1994 02 10.25417 | 11 23 44.64 | +11 57 27.8 | | 4 809 | 1994 CK ₁₈ | 1994 02 10.23056 | 11 25 31.39 | +08 48 05.0 | 4 809 |
| 1994 CC ₁₈ | 1994 02 13.23750 | 11 21 08.45 | +12 03 29.7 | 18.3 | 4 809 | 1994 CK ₁₈ | 1994 02 10.24236 | 11 25 30.80 | +08 48 05.3 | 4 809 |
| 1994 CC ₁₈ | 1994 02 13.24931 | 11 21 07.78 | +12 03 31.0 | | 4 809 | 1994 CK ₁₈ | 1994 02 10.25417 | 11 25 30.39 | +08 48 06.3 | 4 809 |
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| 1994 CD ₁₈ | 1994 02 08.25833 | 11 25 22.88 | +08 50 02.0 | | 4 809 | 1994 CL ₁₈ | 1994 02 08.27014 | 11 27 15.92 | +11 03 07.6 | 4 809 |
| 1994 CD ₁₈ | 1994 02 08.27014 | 11 25 22.28 | +08 50 04.2 | | 4 809 | 1994 CL ₁₈ | 1994 02 10.23056 | 11 26 07.04 | +11 19 03.7 | 4 809 |
| 1994 CD ₁₈ | 1994 02 10.23056 | 11 23 43.67 | +08 56 31.6 | | 4 809 | 1994 CL ₁₈ | 1994 02 10.24236 | 11 26 06.56 | +11 19 09.5 | 4 809 |
| 1994 CD ₁₈ | 1994 02 10.24236 | 11 23 43.00 | +08 56 32.9 | | 4 809 | 1994 CL ₁₈ | 1994 02 10.25417 | 11 26 06.08 | +11 19 15.8 | 4 809 |
| 1994 CD ₁₈ | 1994 02 10.25417 | 11 23 42.32 | +08 56 34.7 | | 4 809 | 1994 CM ₁₈ | * 1994 02 08.24653 | 11 27 20.48 | +10 09 11.7 | 18.8 4 809 |
| 1994 CD ₁₈ | 1994 02 13.23750 | 11 21 01.48 | +09 06 55.1 | 18.5 | 4 809 | 1994 CM ₁₈ | 1994 02 08.25833 | 11 27 19.98 | +10 09 16.0 | 4 809 |
| 1994 CD ₁₈ | 1994 02 13.24931 | 11 21 00.76 | +09 06 58.3 | | 4 809 | 1994 CM ₁₈ | 1994 02 08.27014 | 11 27 19.62 | +10 09 14.7 | 4 809 |
| 1994 CD ₁₈ | 1994 02 13.26111 | 11 21 00.10 | +09 07 00.1 | | 4 809 | 1994 CM ₁₈ | 1994 02 10.23056 | 11 26 09.26 | +10 14 58.7 | 4 809 |
| 1994 CE ₁₈ | * 1994 02 08.24653 | 11 25 23.61 | +10 00 39.4 | 18.3 | 4 809 | 1994 CM ₁₈ | 1994 02 10.24236 | 11 26 08.58 | +10 14 59.7 | 4 809 |
| 1994 CE ₁₈ | 1994 02 08.25833 | 11 25 23.12 | +10 00 41.9 | | 4 809 | 1994 CM ₁₈ | 1994 02 10.25417 | 11 26 08.01 | +10 15 03.0 | 4 809 |
| 1994 CE ₁₈ | 1994 02 08.27014 | 11 25 22.59 | +10 00 44.5 | | 4 809 | 1994 CN ₁₈ | * 1994 02 08.24653 | 11 27 21.00 | +09 21 13.5 | 18.4 4 809 |
| 1994 CE ₁₈ | 1994 02 10.23056 | 11 24 05.48 | +10 09 11.4 | | 4 809 | 1994 CN ₁₈ | 1994 02 08.25833 | 11 27 20.50 | +09 21 14.1 | 4 809 |
| 1994 CE ₁₈ | 1994 02 10.24236 | 11 24 04.95 | +10 09 13.4 | | 4 809 | 1994 CN ₁₈ | 1994 02 08.27014 | 11 27 20.04 | +09 21 15.6 | 4 809 |
| 1994 CE ₁₈ | 1994 02 10.25417 | 11 24 04.45 | +10 09 16.1 | | 4 809 | 1994 CN ₁₈ | 1994 02 10.23056 | 11 26 11.80 | +09 25 16.4 | 4 809 |
| 1994 CE ₁₈ | 1994 02 13.23750 | 11 21 53.42 | +10 22 52.3 | 18.5 | 4 809 | 1994 CN ₁₈ | 1994 02 10.24236 | 11 26 11.27 | +09 25 17.9 | 4 809 |
| 1994 CE ₁₈ | 1994 02 13.24931 | 11 21 52.75 | +10 22 55.0 | | 4 809 | 1994 CN ₁₈ | 1994 02 10.25417 | 11 26 10.72 | +09 25 19.0 | 4 809 |
| 1994 CE ₁₈ | 1994 02 13.26111 | 11 21 52.18 | +10 22 58.8 | | 4 809 | 1994 CO ₁₈ | * 1994 02 08.24653 | 11 27 30.77 | +12 18 29.1 | 18.1 4 809 |
| 1994 CF ₁₈ | * 1994 02 08.24653 | 11 25 43.82 | +09 45 08.4 | 18.5 | 4 809 | 1994 CO ₁₈ | 1994 02 08.25833 | 11 27 30.50 | +12 18 36.8 | 4 809 |
| 1994 CF ₁₈ | 1994 02 08.25833 | 11 25 43.28 | +09 45 13.4 | | 4 809 | 1994 CO ₁₈ | 1994 02 08.27014 | 11 27 30.15 | +12 18 45.0 | 4 809 |
| 1994 CF ₁₈ | 1994 02 08.27014 | 11 25 42.72 | +09 45 18.2 | | 4 809 | 1994 CO ₁₈ | 1994 02 10.23056 | 11 26 38.62 | +12 40 31.9 | 4 809 |
| 1994 CF ₁₈ | 1994 02 10.23056 | 11 24 33.62 | +09 57 00.8 | | 4 809 | 1994 CO ₁₈ | 1994 02 10.24236 | 11 26 38.28 | +12 40 40.3 | 4 809 |

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| 1994 CO ₁₈ | 1994 02 10.25417 | 11 26 37.94 | +12 40 47.9 | | 4 809 | 1994 EC ₆ | 1994 02 08.24653 | 11 28 07.81 | +11 36 33.8 | 18.3 | 4 809 |
| 1994 CP ₁₈ | * 1994 02 08.24653 | 11 27 50.79 | +10 22 56.5 | 18.7 | 4 809 | 1994 EC ₆ | 1994 02 08.25833 | 11 28 07.40 | +11 36 36.7 | | 4 809 |
| 1994 CP ₁₈ | 1994 02 08.25833 | 11 27 50.30 | +10 23 01.2 | | 4 809 | 1994 EC ₆ | 1994 02 08.27014 | 11 28 07.06 | +11 36 41.1 | | 4 809 |
| 1994 CP ₁₈ | 1994 02 08.27014 | 11 27 49.90 | +10 23 01.6 | | 4 809 | 1994 EC ₆ | 1994 02 10.23056 | 11 27 01.41 | +11 47 33.9 | | 4 809 |
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| 1994 CQ ₁₈ | * 1994 02 08.24653 | 11 27 54.02 | +09 46 07.7 | 18.8 | 4 809 | 1994 ED ₆ | 1994 02 08.25833 | 11 25 56.58 | +09 04 20.0 | | 4 809 |
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| 1994 CQ ₁₈ | 1994 02 10.23056 | 11 26 42.07 | +10 01 02.0 | 18.5 | 4 809 | 1994 ED ₆ | 1994 02 10.24236 | 11 24 59.36 | +09 15 05.5 | | 4 809 |
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| 1994 ER ₅ | 1994 02 08.25833 | 11 23 46.41 | +10 35 10.0 | | 4 809 | 2563 P-L | 1992 03 08.17222 | 10 37 23.21 | +09 10 06.4 | 16.4 | 7 809 |
| 1994 ER ₅ | 1994 02 08.27014 | 11 23 46.02 | +10 35 12.8 | | 4 809 | 2563 P-L | 1992 03 09.08958 | 10 36 43.19 | +09 14 28.5 | 17.5 | 7 809 |
| 1994 ER ₅ | 1994 02 10.23056 | 11 22 40.73 | +10 43 28.6 | | 4 809 | 2563 P-L | 1992 04 06.11007 | 10 21 04.86 | +10 55 25.6 | 17.8 | 7 809 |
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| 1994 ER ₅ | 1994 02 10.25417 | 11 22 39.71 | +10 43 34.1 | | 4 809 | 4019 P-L | 1993 06 17.26389 | 16 05 24.89 | -21 26 01.8 | | 4 809 |
| 1994 ER ₅ | 1994 02 13.23750 | 11 20 46.18 | +10 56 56.0 | 18.4 | 4 809 | 4019 P-L | 1993 06 17.27708 | 16 05 24.24 | -21 25 58.0 | | 4 809 |
| 1994 ER ₅ | 1994 02 13.24931 | 11 20 45.59 | +10 56 59.5 | | 4 809 | 4077 P-L | 1992 03 04.09375 | 10 34 00.02 | +07 57 31.4 | 16.4 | 7 809 |
| 1994 ER ₅ | 1994 02 13.26111 | 11 20 45.04 | +10 57 02.4 | | 4 809 | 4077 P-L | 1992 03 07.09167 | 10 31 16.56 | +08 10 56.7 | 16.4 | 7 809 |
| 1994 ES ₅ | 1994 02 08.24653 | 11 27 57.59 | +12 21 29.1 | 18.5 | 4 809 | 4247 P-L | 1993 06 17.25069 | 16 06 59.90 | -21 07 21.3 | 18.3 | 4 809 |
| 1994 ES ₅ | 1994 02 08.25833 | 11 27 57.07 | +12 21 29.5 | | 4 809 | 4247 P-L | 1993 06 17.26389 | 16 06 59.27 | -21 07 19.3 | | 4 809 |
| 1994 ES ₅ | 1994 02 08.27014 | 11 27 56.50 | +12 21 30.3 | | 4 809 | 4247 P-L | 1993 06 17.27708 | 16 06 58.56 | -21 07 17.2 | | 4 809 |
| 1994 ES ₅ | 1994 02 10.23056 | 11 26 31.06 | +12 22 56.2 | | 4 809 | 4581 P-L | 1992 02 29.23611 | 11 02 14.17 | +11 09 05.7 | 17.5 | 7 809 |
| 1994 ES ₅ | 1994 02 10.24236 | 11 26 30.47 | +12 22 57.4 | | 4 809 | 4581 P-L | 1992 03 08.17222 | 10 54 02.14 | +11 54 42.3 | 17.5 | 7 809 |
| 1994 ES ₅ | 1994 02 10.25417 | 11 26 29.93 | +12 22 58.6 | | 4 809 | 4581 P-L | 1992 03 09.08958 | 10 53 06.45 | +11 59 34.9 | 17.5 | 7 809 |
| 1994 ES ₅ | 1994 02 13.23750 | 11 24 08.96 | +12 25 31.0 | 18.5 | 4 809 | 4581 P-L | 1992 04 06.11007 | 10 31 52.96 | +13 23 56.6 | 17.8 | 7 809 |
| 1994 ES ₅ | 1994 02 13.24931 | 11 24 08.24 | +12 25 31.6 | | 4 809 | 4801 P-L | 1992 03 08.17222 | 10 42 37.08 | +11 04 32.3 | | 7 809 |
| 1994 ES ₅ | 1994 02 13.26111 | 11 24 07.70 | +12 25 31.7 | | 4 809 | 4805 P-L | 1992 03 06.09722 | 10 48 27.73 | +10 30 15.5 | 18.6 | 7 809 |
| 1994 EY ₅ | 1994 02 08.24653 | 11 25 10.62 | +10 25 46.4 | 18.3 | 4 809 | 4805 P-L | 1992 03 08.17222 | 10 46 25.39 | +10 39 45.0 | 17.5 | 7 809 |
| 1994 EY ₅ | 1994 02 08.25833 | 11 25 10.27 | +10 25 50.8 | | 4 809 | 4805 P-L | 1992 03 09.08958 | 10 45 32.04 | +10 43 48.7 | 18.6 | 7 809 |
| 1994 EY ₅ | 1994 02 08.27014 | 11 25 09.86 | +10 25 55.3 | | 4 809 | 4805 P-L | 1992 04 06.11007 | 10 26 11.09 | +11 46 47.8 | 17.8 | 7 809 |
| 1994 EY ₅ | 1994 02 10.23056 | 11 24 05.91 | +10 38 42.2 | | 4 809 | 4848 P-L | 1992 03 01.28750 | 11 16 05.81 | +03 59 30.0 | 17.5 | 7 809 |
| 1994 EY ₅ | 1994 02 10.24236 | 11 24 05.50 | +10 38 46.5 | | 4 809 | 4848 P-L | 1992 03 03.26667 | 11 14 18.94 | +04 13 29.7 | 17.5 | 7 809 |
| 1994 EY ₅ | 1994 02 10.25417 | 11 24 04.97 | +10 38 51.3 | | 4 809 | 4848 P-L | 1992 03 06.23750 | 11 11 35.64 | +04 34 54.9 | 19.7 | 7 809 |
| 1994 EY ₅ | 1994 02 13.23750 | 11 22 18.75 | +10 58 54.2 | 18.4 | 4 809 | 4848 P-L | 1992 04 07.14618 | 10 46 50.82 | +07 55 25.7 | 19.8 | 7 809 |
| 1994 EY ₅ | 1994 02 13.24931 | 11 22 18.25 | +10 58 59.0 | | 4 809 | 6670 P-L | 1992 04 06.15243 | 10 44 23.05 | +09 55 45.4 | 18.8 | 7 809 |
| 1994 EY ₅ | 1994 02 13.26111 | 11 22 17.73 | +10 59 04.3 | | 4 809 | 2291 T-1 | 1992 03 02.21389 | 10 48 43.45 | +13 48 34.7 | 17.5 | 7 809 |

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|----------|------------------|-------------|-------------|------|-------|-------|------------------|-------------|-------------|------|-------|
| 2291 T-1 | 1992 03 05.16458 | 10 46 07.83 | +14 03 45.0 | 18.6 | 7 809 | (149) | 1993 06 17.25069 | 16 03 25.03 | -19 05 54.1 | 15.0 | 4 809 |
| 2291 T-1 | 1992 03 07.16111 | 10 44 23.16 | +14 13 38.1 | 18.6 | 7 809 | (149) | 1993 06 17.26389 | 16 03 24.21 | -19 05 51.9 | | 4 809 |
| 3332 T-1 | 1992 03 01.28750 | 11 03 21.58 | +03 40 45.2 | 16.4 | 7 809 | (149) | 1993 06 17.27708 | 16 03 23.52 | -19 05 50.7 | | 4 809 |
| 3332 T-1 | 1992 03 03.26667 | 11 01 21.48 | +03 52 31.5 | 16.4 | 7 809 | (159) | 1992 03 06.09722 | 10 51 23.12 | +11 56 59.6 | 13.0 | 7 809 |
| 3332 T-1 | 1992 03 06.23750 | 10 58 22.04 | +04 10 16.1 | 16.4 | 7 809 | (159) | 1992 03 08.17222 | 10 49 51.57 | +12 09 45.3 | 14.2 | 7 809 |
| 3332 T-1 | 1992 03 09.15972 | 10 55 27.96 | +04 27 39.1 | 17.5 | 7 809 | (159) | 1992 03 09.08958 | 10 49 11.73 | +12 15 15.6 | 14.2 | 7 809 |
| 3332 T-1 | 1992 04 07.14618 | 10 34 18.63 | +06 42 03.4 | 18.8 | 7 809 | (195) | 1993 08 15.25764 | 23 46 04.47 | -05 51 19.9 | 15.0 | 4 809 |
| 1053 T-2 | 1992 03 07.09167 | 10 32 20.46 | +08 25 46.6 | 19.7 | 7 809 | (195) | 1993 08 15.27083 | 23 46 03.93 | -05 51 21.8 | | 4 809 |
| 2144 T-2 | 1993 08 15.25764 | 23 32 42.73 | -05 28 05.6 | 18.3 | 4 809 | (195) | 1993 08 15.28403 | 23 46 03.49 | -05 51 23.7 | | 4 809 |
| 2144 T-2 | 1993 08 15.27083 | 23 32 42.20 | -05 28 07.2 | | 4 809 | (221) | 1992 03 02.21389 | 10 50 52.17 | +12 31 36.1 | 13.0 | 7 809 |
| 2144 T-2 | 1993 08 15.28403 | 23 32 41.67 | -05 28 08.9 | | 4 809 | (221) | 1992 03 05.16458 | 10 48 42.22 | +12 51 54.7 | 13.0 | 7 809 |
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| 3145 T-2 | 1994 02 08.24653 | 11 13 13.17 | +08 49 23.8 | 18.4 | 4 809 | (221) | 1992 04 04.11840 | 10 30 49.46 | +15 26 51.1 | 15.7 | 7 809 |
| 3145 T-2 | 1994 02 08.25833 | 11 13 12.73 | +08 49 27.8 | | 4 809 | (228) | 1992 03 02.14305 | 10 26 51.49 | +07 58 36.5 | 16.4 | 7 809 |
| 3145 T-2 | 1994 02 08.27014 | 11 13 12.24 | +08 49 32.1 | | 4 809 | (228) | 1992 03 04.09375 | 10 24 51.30 | +08 08 56.7 | 16.4 | 7 809 |
| 3145 T-2 | 1994 02 10.23056 | 11 12 01.60 | +09 01 28.0 | | 4 809 | (228) | 1992 03 07.09167 | 10 21 49.93 | +08 24 31.6 | 16.4 | 7 809 |
| 3145 T-2 | 1994 02 10.24236 | 11 12 01.04 | +09 01 32.3 | | 4 809 | (228) | 1992 04 06.06285 | 10 00 25.83 | +10 15 10.2 | 16.7 | 7 809 |
| 3145 T-2 | 1994 02 10.25417 | 11 12 00.57 | +09 01 36.4 | | 4 809 | (260) | 1992 03 06.09722 | 10 46 08.35 | +07 07 25.9 | 15.3 | 7 809 |
| 2158 T-3 | 1992 03 02.27326 | 10 46 05.29 | +05 01 14.9 | 16.4 | 7 809 | (260) | 1992 03 08.17222 | 10 44 47.74 | +07 18 01.3 | 15.3 | 7 809 |
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| 2158 T-3 | 1992 03 09.15972 | 10 38 51.59 | +05 41 48.5 | 16.4 | 7 809 | (260) | 1992 04 06.11007 | 10 29 46.23 | +09 21 38.0 | 15.7 | 7 809 |
| 4017 T-3 | 1992 03 09.22986 | 11 13 35.40 | +14 10 06.4 | 17.5 | 7 809 | (288) | 1993 10 21.22986 | 01 58 54.34 | +05 33 29.5 | 17.0 | 4 809 |
| 4017 T-3 | 1992 04 04.16354 | 10 50 11.27 | +15 07 35.8 | 18.8 | 7 809 | (288) | 1993 10 21.24306 | 01 58 53.58 | +05 33 25.7 | | 4 809 |
| 4179 T-3 | 1994 02 08.24653 | 11 30 12.48 | +09 56 35.4 | 18.4 | 4 809 | (288) | 1993 10 21.25625 | 01 58 52.95 | +05 33 22.2 | | 4 809 |
| 4179 T-3 | 1994 02 08.25833 | 11 30 12.18 | +09 56 36.9 | | 4 809 | (318) | 1992 03 03.26667 | 11 18 05.50 | +05 54 13.6 | 13.0 | 7 809 |
| 4179 T-3 | 1994 02 08.27014 | 11 30 11.90 | +09 56 38.7 | | 4 809 | (318) | 1992 03 06.23750 | 11 16 03.75 | +06 17 04.6 | 13.0 | 7 809 |
| 5170 T-3 | 1992 03 02.14305 | 10 28 08.84 | +11 18 01.0 | 16.4 | 7 809 | (341) | 1992 03 02.21389 | 10 39 27.51 | +16 11 30.6 | 15.3 | 7 809 |
| 5170 T-3 | 1992 03 04.09375 | 10 26 44.01 | +11 40 17.3 | 16.4 | 7 809 | (341) | 1992 03 05.16458 | 10 36 15.33 | +16 24 52.0 | 15.3 | 7 809 |
| 5170 T-3 | 1992 03 07.09167 | 10 24 37.24 | +12 13 45.0 | 16.4 | 7 809 | (341) | 1992 03 06.16389 | 10 35 10.73 | +16 29 06.5 | 15.3 | 7 809 |
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| (46) | 1992 04 06.11007 | 10 16 36.03 | +09 48 43.2 | 14.7 | 7 809 | (592) | 1993 10 10.18333 | 02 26 22.30 | +03 36 57.8 | 15.0 | 4 809 |
| (47) | 1992 02 29.23611 | 11 08 50.06 | +08 09 38.0 | 13.0 | 7 809 | (592) | 1993 10 10.19653 | 02 26 21.74 | +03 36 50.9 | | 4 809 |
| (47) | 1992 03 03.20000 | 11 06 23.09 | +08 21 31.5 | 13.0 | 7 809 | (592) | 1993 10 10.20972 | 02 26 21.21 | +03 36 44.6 | | 4 809 |
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| (47) | 1992 04 06.15243 | 10 41 51.67 | +10 01 36.2 | 14.7 | 7 809 | (655) | 1992 03 03.20000 | 11 18 58.13 | +10 24 20.5 | 14.2 | 7 809 |
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| (138) | 1992 03 05.16458 | 10 53 24.35 | +12 14 21.3 | 13.0 | 7 809 | (681) | 1993 10 10.18333 | 02 43 29.12 | +05 01 23.1 | 17.5 | 4 809 |
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| (687) | 1992 03 02.14305 | 10 31 22.81 | +07 51 21.3 | 15.3 | 7 809 | (937) | 1993 06 17.25069 | 16 10 57.53 | -19 30 11.6 | 16.0 | 4 809 |
| (687) | 1992 03 04.09375 | 10 29 28.68 | +07 54 51.4 | 15.3 | 7 809 | (937) | 1993 06 17.26389 | 16 10 56.76 | -19 30 06.7 | | 4 809 |
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| (687) | 1992 04 07.06354 | 10 05 32.08 | +08 21 56.3 | 16.7 | 7 809 | (959) | 1992 03 01.14722 | 10 24 58.25 | +16 34 38.3 | 15.3 | 7 809 |
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| (717) | 1992 03 04.09375 | 10 33 02.97 | +09 24 10.5 | 16.4 | 7 809 | (1007) | 1992 03 07.09167 | 10 26 59.15 | +07 32 51.6 | 15.3 | 7 809 |
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| (720) | 1992 04 04.06979 | 09 54 53.02 | +15 30 07.4 | 14.7 | 7 809 | (1029) | 1993 06 17.26389 | 15 54 14.90 | -22 40 13.1 | | 4 809 |
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| (720) | 1993 06 17.26389 | 16 01 00.63 | -22 40 51.6 | | 4 809 | (1086) | 1992 02 29.16111 | 10 28 53.50 | +03 55 19.5 | 14.2 | 7 809 |
| (720) | 1993 06 17.27708 | 16 01 00.02 | -22 40 49.6 | | 4 809 | (1086) | 1992 04 07.06354 | 10 06 25.06 | +05 15 53.9 | 14.7 | 7 809 |
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| (811) | 1992 03 09.08958 | 10 34 29.20 | +11 22 30.2 | 15.3 | 7 809 | (1184) | 1994 02 10.25417 | 11 13 11.31 | +11 08 37.4 | | 4 809 |
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| (847) | 1992 03 03.26667 | 11 07 46.61 | +01 40 54.6 | 13.0 | 7 809 | (1229) | 1992 03 07.09167 | 10 23 22.64 | +09 06 16.6 | 15.3 | 7 809 |
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| (868) | 1992 03 01.14722 | 10 27 22.65 | +15 48 34.3 | 14.2 | 7 809 | (1422) | 1992 03 06.23750 | 11 12 57.60 | +02 22 43.5 | 15.3 | 7 809 |
| (868) | 1992 03 04.16597 | 10 24 50.48 | +16 06 05.5 | 14.2 | 7 809 | (1422) | 1992 04 07.14618 | 10 47 10.28 | +05 42 19.0 | 16.7 | 7 809 |
| (868) | 1992 03 06.16389 | 10 23 12.34 | +16 17 04.1 | 14.2 | 7 809 | (1513) | 1993 08 15.25764 | 23 42 56.51 | -04 49 04.5 | 17.8 | 4 809 |
| (868) | 1992 04 04.06979 | 10 07 03.28 | +17 46 09.0 | 14.7 | 7 809 | (1513) | 1993 08 15.27083 | 23 42 56.05 | -04 49 09.9 | | 4 809 |
| (924) | 1992 03 02.14305 | 10 29 25.88 | +10 59 55.0 | 14.2 | 7 809 | (1513) | 1993 08 15.28403 | 23 42 55.52 | -04 49 14.7 | | 4 809 |
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| (1561) | 1992 02 29.16111 | 10 28 07.09 | +03 07 17.9 | 15.3 | 7 809 | (1976) | 1993 08 15.25764 | 23 42 22.79 | -05 46 41.4 | 17.9 | 4 809 |
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| (1597) | 1992 03 04.09375 | 10 27 50.28 | +09 23 19.6 | 15.3 | 7 809 | (1986) | 1992 04 06.11007 | 10 26 32.64 | +10 43 31.6 | 16.7 | 7 809 |
| (1597) | 1992 03 07.09167 | 10 25 38.83 | +09 50 38.1 | 15.3 | 7 809 | (2073) | 1992 03 07.23125 | 11 17 22.90 | +09 41 20.7 | 16.4 | 7 809 |
| (1597) | 1992 04 06.11007 | 10 11 28.83 | +13 22 49.2 | 15.7 | 7 809 | (2109) | 1992 03 02.14305 | 10 19 05.85 | +09 02 26.3 | 16.4 | 7 809 |
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| (1667) | 1994 02 08.25833 | 11 27 09.71 | +11 33 01.6 | | 4 809 | (2175) | 1992 02 29.16111 | 10 27 31.52 | +03 53 18.5 | 16.4 | 7 809 |
| (1667) | 1994 02 08.27014 | 11 27 09.25 | +11 33 06.8 | | 4 809 | (2175) | 1992 03 03.13333 | 10 24 34.37 | +04 13 22.7 | 17.5 | 7 809 |
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| (1736) | 1992 03 07.09167 | 10 33 49.99 | +09 11 55.7 | 15.3 | 7 809 | (2398) | 1993 06 17.27708 | 16 06 34.91 | -19 11 54.8 | | 4 809 |
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|--------|------------------|-------------|-------------|------|-------|--------|------------------|-------------|-------------|------|-------|
| (2623) | 1992 03 06.09722 | 10 42 58.36 | +09 06 24.3 | 17.5 | 7 809 | (2978) | 1992 03 03.26667 | 11 08 02.09 | +05 42 18.6 | 15.3 | 7 809 |
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| (2625) | 1993 10 21.25625 | 02 08 42.67 | +04 20 42.3 | | 4 809 | (2979) | 1992 04 06.15243 | 10 52 46.00 | +12 46 32.3 | 18.8 | 7 809 |
| (2627) | 1993 06 17.25069 | 15 57 50.99 | -18 10 48.8 | 18.4 | 4 809 | (2981) | 1992 03 01.28750 | 11 03 54.06 | +05 28 10.9 | 16.4 | 7 809 |
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| (2761) | 1992 02 29.23611 | 11 07 49.89 | +09 50 52.3 | 15.3 | 7 809 | (3244) | 1992 04 06.06285 | 09 52 08.18 | +11 45 58.0 | 17.8 | 7 809 |
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| (3586) | 1992 03 05.16458 | 10 41 01.51 | +16 28 57.3 | 16.4 | 7 809 | (4138) | 1993 06 17.27708 | 16 10 20.36 | -19 21 41.0 | | 4 809 |
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G. R. Viscome, 100 Sentinel Road, Lake Placid, NY 12946, U.S.A.

0.37-m $f/6$ reflector + telecompressor + CCD

GSC

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|--------|-------------------|-------------|-------------|----------|
| (4553) | 1994 06 10.18424 | 15 49 31.75 | +01 42 40.8 | 816 |
| (4553) | 1994 06 10.19111 | 15 49 31.47 | +01 42 40.9 | 816 |
| (4553) | 1994 06 10.19456 | 15 49 31.30 | +01 42 41.0 | 816 |
| (4953) | 1994 05 21.337708 | 23 22 09.49 | +22 13 33.7 | 14.9 816 |
| (4953) | 1994 05 21.340972 | 23 22 07.78 | +22 13 06.1 | 14.9 816 |
| (4953) | 1994 05 21.343623 | 23 22 06.42 | +22 12 43.7 | 14.8 816 |
| (4953) | 1994 05 21.345938 | 23 22 05.19 | +22 12 24.3 | 14.8 816 |
| (5518) | 1994 05 15.12594 | 12 48 30.62 | +09 12 04.1 | 816 |
| (5518) | 1994 05 15.13227 | 12 48 30.50 | +09 12 02.7 | 816 |
| (5518) | 1994 05 15.13549 | 12 48 30.46 | +09 12 02.2 | 816 |

817 Sudbury

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

0.28-m Schmidt-Cassegrain + CCD

GSC

| | | | | |
|---------|------------------|-------------|-------------|------------|
| 1994 LW | 1994 06 18.13439 | 15 19 18.02 | +05 26 24.2 | 16.0 R 817 |
| 1994 LW | 1994 06 18.14515 | 15 19 18.34 | +05 27 04.3 | 16.0 R 817 |
| 1994 LW | 1994 07 12.09160 | 15 47 48.76 | +25 00 50.5 | 17.0 R 817 |
| 1994 LW | 1994 07 12.11031 | 15 47 50.62 | +25 01 30.1 | 16.9 R 817 |

894 Otomo

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

0.25-m $f/3.4$ reflector

PPM

| | | | | |
|----------------------|--------------------|-------------|-------------|----------|
| 1981 SQ ₂ | 1994 05 06.59415 | 13 20 19.73 | -09 46 18.0 | 17.5 894 |
| 1981 SQ ₂ | 1994 05 06.60729 | 13 20 18.97 | -09 46 13.1 | 894 |
| 1990 DS ₁ | 1994 05 06.59415 | 13 24 51.33 | -10 24 31.4 | 16.7 894 |
| 1990 DS ₁ | 1994 05 06.60729 | 13 24 50.68 | -10 24 27.6 | 894 |
| 1991 VW ₅ | 1994 06 01.68090 | 16 36 57.73 | -12 24 51.3 | 15.7 894 |
| 1991 VW ₅ | 1994 06 01.69271 | 16 36 57.11 | -12 24 54.7 | 894 |
| 1991 VW ₅ | 1994 06 02.70278 | 16 35 58.78 | -12 27 52.7 | 15.5 894 |
| 1991 VW ₅ | 1994 06 02.71528 | 16 35 58.09 | -12 27 55.9 | 894 |
| 1994 GL ₉ | 1994 05 06.59415 | 13 21 16.30 | -09 56 57.0 | 17.3 894 |
| 1994 GL ₉ | 1994 05 06.60729 | 13 21 15.79 | -09 56 52.1 | 894 |
| 1994 HS ₁ | 1994 05 08.65868 | 14 39 45.54 | -19 39 35.6 | 17.0 894 |
| 1994 HS ₁ | 1994 05 08.67188 | 14 39 44.69 | -19 39 37.0 | 894 |
| 1994 JU ₈ | * 1994 05 08.65868 | 14 47 06.34 | -18 43 49.2 | 16.7 894 |
| 1994 JU ₈ | 1994 05 08.67188 | 14 47 05.71 | -18 43 41.7 | 894 |
| 1994 JU ₈ | 1994 05 12.62402 | 14 43 44.50 | -17 55 30.6 | 894 |
| 1994 JU ₈ | 1994 05 12.63715 | 14 43 43.85 | -17 55 22.4 | 894 |
| 1994 JU ₈ | 1994 05 16.58160 | 14 40 31.47 | -17 07 12.1 | 17.0 894 |
| 1994 JU ₈ | 1994 05 16.59479 | 14 40 30.84 | -17 07 04.7 | 894 |
| 1994 LE | 1994 06 01.68090 | 16 39 22.32 | -11 48 28.6 | 16.2 894 |
| 1994 LE | 1994 06 01.69271 | 16 39 21.73 | -11 48 30.5 | 894 |
| 1994 LE | 1994 06 02.70278 | 16 38 29.04 | -11 50 58.8 | 16.0 894 |
| 1994 LE | 1994 06 02.71528 | 16 38 28.43 | -11 51 00.4 | 894 |
| 1994 LR | 1994 06 16.59288 | 16 07 15.00 | -12 43 05.0 | 17.0 894 |
| 1994 LR | 1994 06 16.60521 | 16 07 14.46 | -12 43 06.6 | 894 |
| 1994 LR | 1994 06 16.61771 | 16 07 13.90 | -12 43 09.5 | 894 |

900 Kiryuu Observatory, Ohtsu

Y. Ikari, Katsube 626, Moriyama, Shiga-Ken 524, Japan

0.25-m $f/6.3$ reflector + CCD

GSC

| | | | | | |
|---------|------------------|-------------|-------------|--------|-----|
| 1994 LC | 1994 06 16.60046 | 16 46 38.19 | -07 40 09.7 | 17.8 V | 900 |
| 1994 LC | 1994 06 16.62282 | 16 46 37.15 | -07 40 15.7 | | 900 |

905 Nachi-Katsuura Observatory

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

Observer Y. Shimizu

Measurer T. Urata

0.30-m $f/3.8$ hyperboloid astrocamera

GSC

| | | | | | |
|---------|--------------------|-------------|-------------|------|-----|
| 1994 NM | * 1994 07 03.53287 | 17 02 20.82 | -05 47 59.5 | 16 | 905 |
| 1994 NM | 1994 07 03.54722 | 17 02 20.17 | -05 48 05.4 | | 905 |
| 1994 NM | 1994 07 05.54421 | 17 00 53.27 | -06 00 13.2 | 16.3 | 905 |
| 1994 NM | 1994 07 05.55822 | 17 00 52.66 | -06 00 18.7 | | 905 |
| 1994 NM | 1994 07 10.55081 | 16 57 38.27 | -06 33 06.7 | 16.8 | 905 |
| 1994 NM | 1994 07 10.56481 | 16 57 37.72 | -06 33 14.4 | | 905 |
| 1994 NR | * 1994 07 04.57847 | 17 36 18.56 | -07 33 28.0 | 16.5 | 905 |
| 1994 NR | 1994 07 04.58565 | 17 36 18.19 | -07 33 28.1 | | 905 |
| 1994 NR | 1994 07 10.57240 | 17 31 03.83 | -07 53 31.1 | 16 | 905 |
| 1994 NR | 1994 07 10.58640 | 17 31 03.07 | -07 53 35.5 | | 905 |
| 1994 NS | * 1994 07 04.59317 | 18 11 04.81 | -07 25 44.9 | 16 | 905 |
| 1994 NS | 1994 07 04.60631 | 18 11 04.12 | -07 25 45.2 | | 905 |
| 1994 NS | 1994 07 10.59387 | 18 07 24.59 | -07 28 51.9 | 16 | 905 |
| 1994 NS | 1994 07 10.60787 | 18 07 24.05 | -07 28 52.7 | | 905 |
| 1994 NS | 1994 07 11.55139 | 18 06 54.11 | -07 30 20.4 | 16 | 905 |
| 1994 NS | 1994 07 11.56539 | 18 06 53.70 | -07 30 22.1 | | 905 |

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

Epoch 1994 May 8.0 TT = JDT 2449480.5

 T 1994 Mar. 23.99850 TT

Chodas-Yeomans

| | | | | |
|-----|------------|--------------------|-------------|-------------|
| q | 5.3806219 | (2000.0) | P | Q |
| n | 0.05479617 | ω 354.88425 | -0.81458670 | +0.57604463 |
| a | 6.8649266 | Ω 220.53783 | -0.52839944 | -0.78528932 |
| e | 0.2162157 | i 6.00358 | -0.23925413 | -0.22692127 |
| P | 17.99 | | | |

From 78 observations 1993 Mar. 27–1994 July 12, mean residual 0".70.

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

Epoch 1994 May 8.0 TT = JDT 2449480.5

 T 1994 Mar. 24.46740 TT

Chodas-Yeomans

| | | | | |
|-----|------------|--------------------|-------------|-------------|
| q | 5.3806378 | (2000.0) | P | Q |
| n | 0.05486102 | ω 354.89525 | -0.81419935 | +0.57660572 |
| a | 6.8595160 | Ω 220.56529 | -0.52891523 | -0.78485747 |
| e | 0.2155951 | i 5.98988 | -0.23943288 | -0.22699029 |
| P | 17.97 | | | |

From 103 observations 1993 Mar. 27–1994 July 13, mean residual 0".68.

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

Epoch 1994 May 8.0 TT = JDT 2449480.5

 T 1994 Mar. 24.67951 TT

Chodas-Yeomans

| | | | | |
|-----|------------|--------------------|-------------|-------------|
| q | 5.3804572 | (2000.0) | P | Q |
| n | 0.05491034 | ω 354.89667 | -0.81402089 | +0.57686494 |
| a | 6.8554075 | Ω 220.58156 | -0.52915063 | -0.78465195 |
| e | 0.2151514 | i 5.98238 | -0.23951951 | -0.22704219 |
| P | 17.95 | | | |

From 103 observations 1993 Mar. 27–1994 July 13, mean residual 0".69.

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

Epoch 1994 May 8.0 TT = JDT 2449480.5

 T 1994 Mar. 24.99863 TT

Chodas-Yeomans

| | | | | |
|-----|------------|--------------------|-------------|-------------|
| q | 5.3803929 | (2000.0) | P | Q |
| n | 0.05495756 | ω 354.90432 | -0.81375499 | +0.57724915 |
| a | 6.8514801 | Ω 220.60028 | -0.52950398 | -0.78435652 |
| e | 0.2147109 | i 5.97316 | -0.23964211 | -0.22708647 |
| P | 17.93 | | | |

From 71 observations 1993 Mar. 27–1994 July 12, mean residual 0".73.

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

Epoch 1994 May 8.0 TT = JDT 2449480.5

 T 1994 Mar. 25.21832 TT

Chodas-Yeomans

| | | | | |
|-----|------------|--------------------|-------------|-------------|
| q | 5.3803541 | (2000.0) | P | Q |
| n | 0.05499043 | ω 354.90888 | -0.81357159 | +0.57751356 |
| a | 6.8487495 | Ω 220.61390 | -0.52974683 | -0.78415395 |
| e | 0.2144034 | i 5.96701 | -0.23972808 | -0.22711380 |
| P | 17.92 | | | |

From 207 observations 1993 Mar. 27–1994 July 14, mean residual 0".62.

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

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> | | 1994 Mar. 25.85600 TT | | Chodas-Yeomans | |
|----------|------------|-----------------------|-----------|----------------|-------------|
| <i>q</i> | (2000.0) | P | Q | | |
| <i>n</i> | 0.05507736 | ω | 354.92315 | -0.81304446 | +0.57827347 |
| <i>a</i> | 6.8415413 | Ω | 220.65183 | -0.53044516 | -0.78356833 |
| <i>e</i> | 0.2135688 | <i>i</i> | 5.94876 | -0.23997219 | -0.22720140 |
| <i>P</i> | 17.89 | | | | |

From 129 observations 1993 Mar. 27–1994 July 13, mean residual 0^{''}.61.**Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus G = 15**

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> | | 1994 Mar. 26.28197 TT | | Chodas-Yeomans | |
|----------|------------|-----------------------|-----------|----------------|-------------|
| <i>q</i> | (2000.0) | P | Q | | |
| <i>n</i> | 0.05515313 | ω | 354.93045 | -0.81268485 | +0.57879135 |
| <i>a</i> | 6.8352740 | Ω | 220.68008 | -0.53091930 | -0.78316585 |
| <i>e</i> | 0.2128854 | <i>i</i> | 5.93577 | -0.24014169 | -0.22727039 |
| <i>P</i> | 17.87 | | | | |

From 273 observations 1993 Mar. 27–1994 July 14, mean residual 0^{''}.60.**Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus H = 14**

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> | | 1994 Mar. 27.00841 TT | | Chodas-Yeomans | |
|----------|------------|-----------------------|-----------|----------------|-------------|
| <i>q</i> | (2000.0) | P | Q | | |
| <i>n</i> | 0.05527181 | ω | 354.94169 | -0.81208168 | +0.57965931 |
| <i>a</i> | 6.8254862 | Ω | 220.72843 | -0.53171291 | -0.78248632 |
| <i>e</i> | 0.2117761 | <i>i</i> | 5.91322 | -0.24042612 | -0.22739888 |
| <i>P</i> | 17.83 | | | | |

From 266 observations 1993 Mar. 27–1994 July 14, mean residual 0^{''}.60.**Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus K = 12**

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> | | 1994 Mar. 28.00382 TT | | Chodas-Yeomans | |
|----------|------------|-----------------------|-----------|----------------|-------------|
| <i>q</i> | (2000.0) | P | Q | | |
| <i>n</i> | 0.05541648 | ω | 354.96318 | -0.81124890 | +0.58085123 |
| <i>a</i> | 6.8136023 | Ω | 220.78905 | -0.53280811 | -0.78156620 |
| <i>e</i> | 0.2104303 | <i>i</i> | 5.88534 | -0.24081268 | -0.22752170 |
| <i>P</i> | 17.79 | | | | |

From 286 observations 1993 Mar. 27–1994 July 14, mean residual 0^{''}.62.**Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus L = 11**

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> | | 1994 Mar. 28.78137 TT | | Chodas-Yeomans | |
|----------|------------|-----------------------|-----------|----------------|-------------|
| <i>q</i> | (2000.0) | P | Q | | |
| <i>n</i> | 0.05553068 | ω | 354.97863 | -0.81059901 | +0.58177875 |
| <i>a</i> | 6.8042575 | Ω | 220.83756 | -0.53365952 | -0.78084770 |
| <i>e</i> | 0.2093660 | <i>i</i> | 5.86352 | -0.24111565 | -0.22761886 |
| <i>P</i> | 17.75 | | | | |

From 265 observations 1993 Mar. 27–1994 July 14, mean residual 0^{''}.68.**Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus N = 9**

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> | | 1994 Mar. 29.52213 TT | | Chodas-Yeomans | |
|----------|------------|-----------------------|-----------|----------------|-------------|
| <i>q</i> | (2000.0) | P | Q | | |
| <i>n</i> | 0.05564785 | ω | 354.99026 | -0.80998528 | +0.58265498 |
| <i>a</i> | 6.7947030 | Ω | 220.88625 | -0.53446088 | -0.78015701 |
| <i>e</i> | 0.2082672 | <i>i</i> | 5.84079 | -0.24140301 | -0.22774595 |
| <i>P</i> | 17.71 | | | | |

From 90 observations 1993 Mar. 27–1994 July 14, mean residual 0^{''}.79.**Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus P = 8**

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> | | 1994 Mar. 29.90064 TT | | Chodas-Yeomans | |
|----------|------------|-----------------------|-----------|----------------|-------------|
| <i>q</i> | (2000.0) | P | Q | | |
| <i>n</i> | 0.05568741 | ω | 355.00234 | -0.80967228 | +0.58309883 |
| <i>a</i> | 6.7914845 | Ω | 220.90491 | -0.53487181 | -0.77981856 |
| <i>e</i> | 0.2078814 | <i>i</i> | 5.83167 | -0.24154284 | -0.22776911 |
| <i>P</i> | 17.70 | | | | |

From 125 observations 1993 Mar. 27–1994 July 14, mean residual 0^{''}.71.**Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus Q = 7**

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> | | 1994 Mar. 30.22978 TT | | Chodas-Yeomans | |
|----------|------------|-----------------------|-----------|----------------|-------------|
| <i>q</i> | (2000.0) | P | Q | | |
| <i>n</i> | 0.05573912 | ω | 355.00847 | -0.80938633 | +0.58350333 |
| <i>a</i> | 6.7872834 | Ω | 220.92681 | -0.53524334 | -0.77950882 |
| <i>e</i> | 0.2074294 | <i>i</i> | 5.82320 | -0.24167817 | -0.22779348 |
| <i>P</i> | 17.68 | | | | |

From 296 observations 1993 Mar. 27–1994 July 14, mean residual 0^{''}.63.**Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus R = 6**

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> | | 1994 Mar. 30.78562 TT | | Chodas-Yeomans | |
|----------|------------|-----------------------|-----------|----------------|-------------|
| <i>q</i> | (2000.0) | P | Q | | |
| <i>n</i> | 0.05583018 | ω | 355.01426 | -0.80892266 | +0.58416197 |
| <i>a</i> | 6.7799009 | Ω | 220.96644 | -0.53584401 | -0.77898780 |
| <i>e</i> | 0.2065845 | <i>i</i> | 5.80617 | -0.24189944 | -0.22788769 |
| <i>P</i> | 17.65 | | | | |

From 206 observations 1993 Mar. 27–1994 July 14, mean residual 0^{''}.62.**Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus S = 5**

Epoch 1994 May 8.0 TT = JDT 2449480.5

| <i>T</i> | | 1994 Mar. 31.46131 TT | | Chodas-Yeomans | |
|----------|------------|-----------------------|-----------|----------------|-------------|
| <i>q</i> | (2000.0) | P | Q | | |
| <i>n</i> | 0.05592044 | ω | 355.02942 | -0.80835498 | +0.58496363 |
| <i>a</i> | 6.7726039 | Ω | 221.00683 | -0.53658174 | -0.77836913 |
| <i>e</i> | 0.2057458 | <i>i</i> | 5.78876 | -0.24216166 | -0.22794527 |
| <i>P</i> | 17.63 | | | | |

From 263 observations 1993 Mar. 27–1994 July 14, mean residual 0^{''}.65.

Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus T = 4

Epoch 1994 May 8.0 TT = JDT 2449480.5

| | | | | |
|----------|-----------------------|--------------------|----------------|-------------|
| <i>T</i> | 1994 Mar. 31.55081 TT | | Chodas-Yeomans | |
| <i>q</i> | 5.3793290 | (2000.0) | P | Q |
| <i>n</i> | 0.05594382 | ω 355.02634 | -0.80829509 | +0.58505218 |
| <i>a</i> | 6.7707168 | Ω 221.01578 | -0.53665839 | -0.77828281 |
| <i>e</i> | 0.2055008 | <i>i</i> 5.78322 | -0.24219171 | -0.22801275 |
| <i>P</i> | 17.62 | | | |

From 47 observations 1993 Mar. 27–1994 July 14, mean residual 0".71.

Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus U = 3

Epoch 1994 May 8.0 TT = JDT 2449480.5

| | | | | |
|----------|-----------------------|--------------------|----------------|-------------|
| <i>T</i> | 1994 Mar. 31.88144 TT | | Chodas-Yeomans | |
| <i>q</i> | 5.3791947 | (2000.0) | P | Q |
| <i>n</i> | 0.05597980 | ω 355.03627 | -0.80800741 | +0.58545522 |
| <i>a</i> | 6.7678151 | Ω 221.03396 | -0.53703184 | -0.77798178 |
| <i>e</i> | 0.2051800 | <i>i</i> 5.77659 | -0.24232379 | -0.22800555 |
| <i>P</i> | 17.61 | | | |

From 33 observations 1993 Mar. 27–1994 July 7, mean residual 0".69.

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

Epoch 1994 May 8.0 TT = JDT 2449480.5

| | | | | |
|----------|----------------------|--------------------|----------------|-------------|
| <i>T</i> | 1994 Apr. 1.33549 TT | | Chodas-Yeomans | |
| <i>q</i> | 5.3790810 | (2000.0) | P | Q |
| <i>n</i> | 0.05604056 | ω 355.04690 | -0.80762405 | +0.58599462 |
| <i>a</i> | 6.7629222 | Ω 221.06078 | -0.53752862 | -0.77756586 |
| <i>e</i> | 0.2046218 | <i>i</i> 5.76518 | -0.24250025 | -0.22803869 |
| <i>P</i> | 17.59 | | | |

From 64 observations 1993 Mar. 27–1994 July 14, mean residual 0".70.

Periodic Comet Shoemaker-Levy 9 (1993e) Nucleus W = 1

Epoch 1994 May 8.0 TT = JDT 2449480.5

| | | | | |
|----------|----------------------|--------------------|----------------|-------------|
| <i>T</i> | 1994 Apr. 1.54979 TT | | Chodas-Yeomans | |
| <i>q</i> | 5.3789548 | (2000.0) | P | Q |
| <i>n</i> | 0.05607885 | ω 355.04831 | -0.80744091 | +0.58625273 |
| <i>a</i> | 6.7598440 | Ω 221.07723 | -0.53776366 | -0.77736181 |
| <i>e</i> | 0.2042783 | <i>i</i> 5.75877 | -0.24258899 | -0.22807093 |
| <i>P</i> | 17.58 | | | |

From 200 observations 1993 Mar. 27–1994 July 14, mean residual 0".62.

Comet Takamizawa-Levy (1994f)

Epoch 1994 May 8.0 TT = JDT 2449480.5

| | | | | |
|----------|----------------------|--------------------|-------------|-------------|
| <i>T</i> | 1994 May 22.53737 TT | | Nakano | |
| <i>q</i> | 1.3592609 | (2000.0) | P | Q |
| <i>z</i> | +0.0003324 | ω 61.63141 | -0.19433744 | -0.78621497 |
| | ± 0.0001176 | Ω 306.83123 | -0.93469323 | +0.32985802 |
| <i>e</i> | 0.9995482 | <i>i</i> 132.87174 | +0.29762647 | +0.52255115 |

From 259 observations 1994 Apr. 15–1994 July 6, mean residual 0".76.

Comet Nakamura-Nishimura-Machholz (1994m)

T 1994 July 12.90230 TT

| | | | | |
|----------|-----------|--------------------|-------------|-------------|
| <i>q</i> | 1.1408829 | (2000.0) | P | Q |
| | | ω 123.00538 | +0.53143968 | +0.76774433 |
| | | Ω 158.95999 | -0.45708287 | -0.09588743 |
| <i>e</i> | 1.0 | <i>i</i> 94.38848 | +0.71319500 | -0.63354104 |

From 38 observations 1994 July 6–13.

Periodic Comet Shoemaker 4 (1994k)

T 1994 Oct. 14.68501 TT

| | | | | |
|----------|------------|--------------------|-------------|-------------|
| <i>q</i> | 2.9443887 | (2000.0) | P | Q |
| <i>n</i> | 0.06770896 | ω 192.15378 | +0.24100100 | +0.87541656 |
| <i>a</i> | 5.9617255 | Ω 92.94012 | -0.85160707 | +0.39781828 |
| <i>e</i> | 0.5061180 | <i>i</i> 24.80658 | -0.46549320 | -0.27456596 |
| <i>P</i> | 14.56 | | | |

From 79 observations 1994 May 14–July 13.

Periodic Comet McNaught-Hartley (1994n)

T 1994 Nov. 11.20172 TT

| | | | | |
|----------|------------|--------------------|-------------|-------------|
| <i>q</i> | 2.6096855 | (2000.0) | P | Q |
| <i>n</i> | 0.05483058 | ω 300.21580 | +0.90422473 | +0.38383449 |
| <i>a</i> | 6.8620546 | Ω 38.11775 | -0.20510746 | +0.77483755 |
| <i>e</i> | 0.6196933 | <i>i</i> 17.65515 | -0.37457784 | +0.50229260 |
| <i>P</i> | 17.98 | | | |

From 11 observations 1994 July 5–12.

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 |
|----------------------|----------|--------|----------|----------|----------|----------|----------|----------|-----|---|---|---|
| 1992 DF | 13.0 | 920228 | 96.16 | 286.82 | 122.79 | 4.27 | 0.0952 | 2.3127 | 39 | 8 | W | |
| 1992 DG | 13.0 | 920228 | 300.92 | 104.37 | 143.70 | 15.62 | 0.2854 | 2.7205 | 10 | 0 | W | |
| 1992 DZ | 13.0 | 920228 | 4.69 | 15.71 | 141.45 | 14.34 | 0.1035 | 2.6163 | 11 | 7 | W | |
| 1992 EZ ₃ | 16.0 | 920228 | 316.32 | 78.60 | 134.41 | 9.26 | 0.1658 | 3.0572 | 5 | 3 | W | |
| 1992 EA ₄ | 15.0 | 920228 | 328.91 | 87.35 | 117.87 | 2.63 | 0.2402 | 2.4136 | 5 | 3 | W | |
| 1992 EB ₄ | 14.0 | 920228 | 346.12 | 36.30 | 136.36 | 8.38 | 0.1209 | 2.5871 | 8 | 6 | E | W |
| 1992 EC ₄ | 13.0 | 920228 | 315.72 | 103.13 | 113.36 | 2.39 | 0.1830 | 3.0257 | 5 | 3 | W | |
| 1992 ED ₄ | 12.0 | 920228 | 10.83 | 27.14 | 113.56 | 2.65 | 0.1328 | 3.1970 | 5 | 3 | W | |
| 1992 EE ₄ | 15.5 | 920228 | 280.68 | 242.84 | 358.43 | 8.25 | 0.0667 | 2.5572 | 5 | 3 | W | |
| 1992 EF ₄ | 17.0 | 920228 | 352.01 | 54.56 | 113.09 | 2.24 | 0.1859 | 2.5380 | 5 | 3 | W | |
| 1992 EG ₄ | 14.0 | 920228 | 33.19 | 35.88 | 76.41 | 3.07 | 0.1272 | 3.1489 | 37 | 7 | W | |
| 1992 EH ₄ | 14.5 | 920228 | 358.76 | 39.09 | 118.45 | 2.77 | 0.1332 | 2.3142 | 5 | 3 | W | |
| 1992 EJ ₄ | 14.5 | 920228 | 272.88 | 151.01 | 104.71 | 2.31 | 0.1121 | 2.1409 | 38 | 6 | D | W |
| 1992 EK ₄ | 15.5 | 920228 | 314.34 | 61.92 | 149.65 | 12.90 | 0.1098 | 2.3657 | 5 | 3 | W | |
| 1992 EL ₄ | 14.0 | 920228 | 70.27 | 274.11 | 144.76 | 9.08 | 0.2324 | 2.4113 | 5 | 3 | E | W |
| 1992 EM ₄ | 15.0 | 920228 | 38.51 | 348.90 | 115.56 | 5.47 | 0.1482 | 2.5863 | 5 | 3 | W | |
| 1992 EN ₄ | 15.0 | 920228 | 25.13 | 2.47 | 122.49 | 3.11 | 0.1083 | 2.3591 | 5 | 3 | W | |
| 1992 EO ₄ | 15.0 | 920228 | 88.32 | 308.71 | 115.56 | 5.43 | 0.0249 | 2.2827 | 9 | 6 | W | |
| 1992 EP ₄ | 13.5 | 920228 | 122.56 | 265.53 | 111.00 | 3.31 | 0.1989 | 2.1780 | 5 | 3 | E | W |
| 1992 EQ ₄ | 17.5 | 920228 | 41.08 | 346.39 | 125.59 | 4.93 | 0.0379 | 2.2728 | 5 | 3 | W | |
| 1992 ER ₄ | 13.0 | 920228 | 202.18 | 245.59 | 69.39 | 3.17 | 0.0460 | 2.8909 | 34 | 4 | W | |
| 1992 ES ₄ | 14.5 | 920228 | 342.40 | 62.75 | 113.92 | 4.83 | 0.0848 | 2.8229 | 8 | 6 | W | |
| 1992 ET ₄ | 15.0 | 920228 | 333.49 | 203.70 | 351.22 | 13.10 | 0.1987 | 2.6551 | 40 | 6 | W | |
| 1992 EU ₄ | 15.0 | 920228 | 129.93 | 244.27 | 128.89 | 5.68 | 0.1724 | 2.1848 | 5 | 3 | W | |
| 1992 EV ₄ | 12.5 | 920228 | 225.29 | 157.20 | 138.19 | 9.37 | 0.0606 | 3.0672 | 34 | 4 | W | |
| 1992 EW ₄ | 16.0 | 920228 | 342.97 | 188.41 | 357.45 | 9.14 | 0.2648 | 2.7481 | 5 | 3 | W | |
| 1992 EX ₄ | 15.5 | 920228 | 302.27 | 82.27 | 144.15 | 14.64 | 0.1157 | 2.6125 | 5 | 3 | W | |
| 1992 EY ₄ | 14.5 | 920228 | 286.72 | 87.65 | 145.77 | 10.90 | 0.0521 | 3.1861 | 5 | 3 | E | W |
| 1992 EA ₅ | 14.5 | 920228 | 87.14 | 274.44 | 142.11 | 7.50 | 0.0984 | 2.4501 | 5 | 3 | E | W |

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|------|--------|--------|--------|--------|-------|--------|--------|----|---|-----|-----------------------|------|--------|--------|--------|--------|-------|--------|--------|----|---|-----|
| 1993 QH ₈ | 13.0 | 930801 | 52.85 | 197.69 | 81.42 | 2.73 | 0.0817 | 3.1391 | 9 | 9 | W | 1993 TT ₃₈ | 15.0 | 930930 | 58.79 | 178.02 | 128.79 | 5.75 | 0.1566 | 2.2752 | 12 | 9 | W |
| 1993 QJ ₈ | 13.0 | 930801 | 55.11 | 275.87 | 354.69 | 7.48 | 0.1403 | 3.1466 | 9 | 9 | E W | 1993 TU ₃₈ | 13.5 | 930930 | 260.11 | 35.31 | 97.18 | 5.65 | 0.0617 | 2.7934 | 12 | 9 | W |
| 1993 QK ₈ | 14.5 | 930801 | 30.90 | 307.78 | 346.95 | 3.29 | 0.1578 | 2.6650 | 9 | 9 | W | 1993 TV ₃₈ | 15.0 | 930930 | 21.63 | 165.26 | 181.57 | 9.56 | 0.2425 | 2.5996 | 12 | 9 | W |
| 1993 QL ₈ | 15.0 | 930801 | 327.66 | 239.73 | 151.43 | 12.95 | 0.2936 | 2.7159 | 9 | 9 | W | 1993 TW ₃₈ | 13.0 | 930930 | 126.14 | 89.32 | 169.25 | 10.04 | 0.0214 | 2.9503 | 12 | 9 | W |
| 1993 QM ₈ | 14.5 | 930801 | 32.12 | 251.32 | 26.16 | 1.71 | 0.2968 | 2.7349 | 9 | 0 | W | 1993 TX ₃₈ | 13.0 | 930930 | 68.29 | 206.87 | 105.98 | 7.04 | 0.0453 | 3.0561 | 12 | 9 | W |
| 1993 QN ₈ | 12.5 | 930801 | 173.02 | 41.48 | 126.57 | 2.15 | 0.0909 | 3.0630 | 9 | 9 | W | 1993 TZ ₃₈ | 14.0 | 930930 | 76.20 | 149.06 | 144.99 | 6.86 | 0.1238 | 2.4360 | 12 | 9 | W |
| 1993 QO ₈ | 14.5 | 930801 | 295.21 | 16.08 | 40.45 | 2.93 | 0.1546 | 2.3151 | 9 | 9 | W | 1993 TB ₃₉ | 13.5 | 930930 | 254.80 | 2.47 | 145.00 | 6.33 | 0.1542 | 2.6139 | 12 | 9 | W |
| 1993 QV ₈ | 15.5 | 930801 | 4.98 | 177.52 | 147.34 | 5.25 | 0.1740 | 2.3105 | 9 | 9 | W | 1993 TD ₃₉ | 14.5 | 930930 | 319.25 | 257.42 | 191.90 | 13.76 | 0.2403 | 2.9735 | 12 | 9 | W |
| 1993 QW ₈ | 14.0 | 930801 | 253.24 | 100.78 | 359.17 | 9.05 | 0.1546 | 2.3440 | 9 | 9 | W | 1993 TE ₃₉ | 15.0 | 930930 | 24.16 | 210.76 | 140.56 | 4.98 | 0.1335 | 2.3452 | 12 | 9 | W |
| 1993 QX ₈ | 15.5 | 930801 | 32.18 | 254.76 | 33.65 | 2.72 | 0.1603 | 2.2155 | 9 | 9 | E W | 1993 TG ₃₉ | 15.5 | 930930 | 334.31 | 292.74 | 123.91 | 3.90 | 0.1400 | 2.3287 | 12 | 0 | W |
| 1993 QZ ₈ | 15.0 | 930801 | 290.42 | 326.59 | 92.03 | 2.06 | 0.1229 | 2.2705 | 9 | 9 | W | 1993 TJ ₃₉ | 14.0 | 930930 | 269.77 | 35.82 | 87.73 | 7.65 | 0.0663 | 2.7600 | 12 | 9 | W |
| 1993 QA ₉ | 14.5 | 930821 | 50.10 | 132.79 | 140.93 | 3.14 | 0.1800 | 2.4455 | 26 | 0 | W | 1993 TK ₃₉ | 13.0 | 930930 | 183.71 | 88.69 | 116.78 | 5.74 | 0.2081 | 2.6426 | 12 | 9 | W |
| 1993 QB ₉ | 14.5 | 930801 | 89.66 | 238.96 | 358.56 | 6.31 | 0.0939 | 2.4438 | 9 | 9 | E W | 1993 UW ₃ | 14.5 | 930930 | 90.53 | 213.41 | 66.43 | 7.52 | 0.1318 | 2.2895 | 11 | 0 | W |
| 1993 QD ₉ | 15.0 | 930801 | 321.60 | 32.09 | 358.13 | 4.75 | 0.2041 | 2.4356 | 9 | 9 | W | 1993 UH ₄ | 15.0 | 930930 | 44.14 | 174.34 | 144.07 | 4.70 | 0.2296 | 2.5728 | 11 | 0 | W |
| 1993 QE ₉ | 15.0 | 930801 | 324.28 | 235.65 | 145.20 | 4.09 | 0.1425 | 2.3127 | 9 | 9 | W | 1993 UJ ₄ | 15.5 | 930930 | 2.89 | 211.58 | 167.78 | 6.83 | 0.1381 | 2.3449 | 11 | 9 | W |
| 1993 QF ₉ | 14.5 | 930821 | 39.88 | 136.37 | 147.88 | 4.14 | 0.1982 | 2.4714 | 26 | 0 | W | 1993 UN ₄ | 15.5 | 930930 | 7.90 | 210.27 | 158.64 | 6.40 | 0.2405 | 2.5174 | 11 | 9 | W |
| 1993 QG ₉ | 15.5 | 930801 | 6.07 | 216.34 | 106.73 | 1.72 | 0.1814 | 2.3164 | 9 | 9 | W | 1993 UP ₄ | 13.5 | 930930 | 111.78 | 143.56 | 117.29 | 6.98 | 0.1482 | 2.6228 | 11 | 9 | W |
| 1993 QH ₉ | 14.5 | 930801 | 61.19 | 116.05 | 147.37 | 3.08 | 0.1112 | 2.3140 | 9 | 9 | W | 1993 UQ ₄ | 15.0 | 930930 | 46.21 | 184.36 | 132.60 | 3.82 | 0.2104 | 2.2739 | 11 | 0 | W |
| 1993 QJ ₉ | 13.5 | 930801 | 308.80 | 3.54 | 46.85 | 2.53 | 0.1911 | 3.0539 | 9 | 9 | W | 1993 UV ₄ | 13.5 | 930930 | 302.20 | 278.34 | 174.35 | 10.95 | 0.0665 | 3.0574 | 11 | 9 | W |
| 1993 QM ₉ | 13.0 | 930801 | 105.15 | 195.37 | 38.78 | 2.25 | 0.0180 | 2.9622 | 9 | 9 | E W | 1993 UW ₄ | 15.0 | 930930 | 327.77 | 286.47 | 148.65 | 5.04 | 0.2339 | 2.6264 | 11 | 9 | W |
| 1993 QP ₉ | 14.0 | 930801 | 316.40 | 256.08 | 133.57 | 5.07 | 0.0832 | 2.7758 | 9 | 9 | W | 1993 UX ₄ | 13.0 | 930930 | 76.18 | 223.33 | 74.05 | 11.06 | 0.1188 | 3.0423 | 11 | 9 | W |
| 1993 QR ₉ | 15.0 | 930801 | 346.81 | 298.35 | 51.86 | 2.68 | 0.1020 | 2.2954 | 9 | 9 | W | 1993 UY ₄ | 15.0 | 930930 | 39.97 | 225.82 | 101.82 | 4.35 | 0.1962 | 2.5254 | 11 | 9 | W |
| 1993 QS ₉ | 13.5 | 930801 | 4.35 | 179.21 | 154.69 | 11.25 | 0.1160 | 2.9772 | 9 | 9 | W | 1993 UA ₅ | 13.0 | 930930 | 152.55 | 172.89 | 58.40 | 14.03 | 0.0902 | 2.9721 | 11 | 9 | W |
| 1993 QU ₉ | 15.0 | 930801 | 26.40 | 151.60 | 147.01 | 7.18 | 0.1527 | 2.3449 | 9 | 9 | W | 1993 UB ₅ | 15.0 | 930930 | 39.27 | 231.82 | 97.93 | 6.09 | 0.1675 | 2.2998 | 11 | 9 | W |
| 1993 QY ₉ | 15.0 | 930801 | 28.53 | 154.74 | 139.23 | 4.95 | 0.1623 | 2.2503 | 9 | 9 | W | 1993 UE ₅ | 15.5 | 930930 | 335.58 | 241.42 | 177.54 | 7.66 | 0.1861 | 2.3848 | 11 | 9 | W |
| 1993 QA ₁₀ | 13.0 | 930801 | 293.57 | 80.70 | 354.96 | 9.86 | 0.2387 | 3.2015 | 9 | 9 | W | 1993 UJ ₅ | 14.0 | 930930 | 276.35 | 29.92 | 105.30 | 4.69 | 0.2095 | 2.6211 | 11 | 9 | W |
| 1993 SJ ₅ | 14.0 | 930821 | 275.23 | 86.58 | 348.20 | 5.98 | 0.0561 | 2.3130 | 36 | 8 | W | 1993 UN ₅ | 14.5 | 930930 | 358.59 | 312.10 | 75.96 | 7.39 | 0.2025 | 3.0732 | 11 | 9 | W |
| 1993 TY ₃₆ | 13.0 | 930930 | 253.94 | 314.99 | 184.67 | 9.00 | 0.0708 | 3.1680 | 12 | 9 | W | 1993 UO ₅ | 14.0 | 930930 | 271.14 | 47.05 | 99.83 | 7.20 | 0.2781 | 2.5802 | 11 | 9 | E W |
| 1993 TZ ₃₆ | 15.5 | 930930 | 16.41 | 190.42 | 167.42 | 5.44 | 0.1550 | 2.2933 | 12 | 9 | W | 1993 UP ₅ | 14.0 | 930930 | 13.43 | 263.70 | 105.10 | 4.66 | 0.1524 | 3.0155 | 11 | 9 | W |
| 1993 TB ₃₇ | 13.5 | 930930 | 25.52 | 212.59 | 140.60 | 6.52 | 0.0931 | 3.0796 | 12 | 9 | W | 1993 UQ ₅ | 15.0 | 930930 | 318.55 | 9.81 | 67.14 | 7.44 | 0.1279 | 2.3440 | 11 | 9 | W |
| 1993 TD ₃₇ | 13.0 | 930930 | 346.89 | 235.50 | 163.49 | 8.33 | 0.0362 | 3.1883 | 12 | 9 | W | 1993 UR ₅ | 15.0 | 930930 | 42.07 | 239.25 | 82.09 | 6.39 | 0.2168 | 2.3231 | 11 | 9 | W |
| 1993 TE ₃₇ | 13.5 | 930930 | 224.91 | 85.77 | 80.51 | 7.62 | 0.0947 | 2.8281 | 12 | 9 | W | 1993 UT ₅ | 13.5 | 930930 | 91.39 | 211.00 | 74.45 | 9.80 | 0.0945 | 2.7963 | 11 | 9 | W |
| 1993 TF ₃₇ | 15.0 | 930930 | 333.13 | 290.68 | 129.94 | 3.33 | 0.1810 | 2.6380 | 12 | 9 | W | 1993 UV ₅ | 14.0 | 930930 | 39.29 | 243.05 | 94.21 | 5.21 | 0.1291 | 2.7901 | 11 | 9 | W |
| 1993 TJ ₃₇ | 14.0 | 930930 | 295.50 | 353.39 | 122.25 | 3.68 | 0.2368 | 2.8135 | 12 | 9 | W | 1993 UV ₅ | 14.5 | 930930 | 53.17 | 152.81 | 155.70 | 5.38 | 0.2322 | 2.5788 | 11 | 9 | W |
| 1993 TK ₃₇ | 14.0 | 930930 | 346.52 | 220.76 | 181.20 | 11.53 | 0.1471 | 3.0113 | 12 | 9 | W | 1993 UW ₅ | 14.0 | 930930 | 289.69 | 15.49 | 93.18 | 5.04 | 0.1004 | 2.5621 | 11 | 9 | W |
| 1993 TN ₃₇ | 14.5 | 930930 | 356.56 | 259.92 | 127.11 | 4.47 | 0.0915 | 2.6612 | 12 | 9 | W | 1993 UZ ₅ | 14.5 | 930930 | 220.62 | 45.30 | 124.22 | 5.62 | 0.0513 | 2.2963 | 11 | 9 | W |
| 1993 TB ₃₇ | 14.5 | 930930 | 295.65 | 16.78 | 78.10 | 6.35 | 0.0777 | 2.4195 | 12 | 9 | W | 1993 UA ₆ | 14.5 | 930930 | 91.15 | 155.73 | 121.13 | 5.94 | 0.1634 | 2.2535 | 11 | 9 | W |
| 1993 TQ ₃₇ | 15.5 | 930930 | 24.24 | 238.99 | 103.63 | 4.79 | 0.2089 | 2.3242 | 12 | 9 | W | 1993 UB ₆ | 15.0 | 930930 | 43.17 | 214.74 | 109.93 | 5.73 | 0.1820 | 2.3864 | 11 | 9 | W |
| 1993 TT ₃₇ | 15.0 | 930930 | 46.83 | 265.57 | 56.38 | 7.62 | 0.1351 | 2.3180 | 12 | 9 | W | 1993 UC ₆ | 14.5 | 930930 | 54.86 | 208.41 | 98.61 | 5.72 | 0.2236 | 2.5040 | 11 | 9 | W |
| 1993 TU ₃₇ | 15.5 | 930930 | 23.64 | 262.36 | 80.58 | 5.38 | 0.2216 | 2.4159 | 12 | 9 | W | 1993 UE ₆ | 15.0 | 930930 | 38.44 | 181.45 | 146.13 | 5.90 | 0.2024 | 2.2666 | 11 | 9 | W |
| 1993 TV ₃₇ | 15.0 | 930930 | 343.83 | 234.57 | 170.91 | 7.39 | 0.1869 | 2.5797 | 12 | 9 | W | 1993 UG ₆ | 14.0 | 930930 | 87.24 | 122.97 | 163.45 | 8.61 | 0.1243 | 2.5826 | 11 | 9 | W |
| 1993 TW ₃₇ | 15.0 | 930930 | 337.90 | 6.84 | 45.31 | 14.93 | 0.1716 | 2.6177 | 12 | 9 | W | 1993 UN ₆ | 15.5 | 930930 | 332.60 | 327.14 | 93.27 | 6.64 | 0.1496 | 2.3378 | 11 | 9 | W |
| 1993 TX ₃₇ | 13.0 | 930930 | 246.23 | 108.04 | 47.34 | 11.76 | 0.1621 | 3.0526 | 12 | 9 | W | 1993 UO ₆ | 15.0 | 930930 | 341.85 | 348.39 | 61.73 | 7.95 | 0.1707 | 2.4612 | 11 | 9 | W |
| 1993 TY ₃₇ | 12.5 | 930930 | 315.15 | 47.09 | 41.80 | 15.65 | 0.2033 | 3.2333 | 12 | 9 | W | 1993 UP ₆ | 13.5 | 930930 | 194.73 | 130.83 | 65.35 | 12.20 | 0.0999 | 2.6712 | 11 | 9 | W |
| 1993 TZ ₃₇ | 14.5 | 930930 | 152.76 | 96.14 | 128.96 | 5.03 | 0.1290 | 2.2491 | 12 | 9 | W | 1993 UQ ₆ | 13.5 | 930930 | 311.44 | 4.53 | 75.12 | 11.38 | 0.0383 | 2.9772 | 11 | 9 | W |
| 1993 TB ₃₈ | 13.5 | 930930 | 158.42 | 86.97 | 135.83 | 5.39 | 0.1020 | 2.6211 | 12 | 9 | W | 1993 US ₆ | 14.5 | 930930 | 297.85 | 13.29 | 100.16 | 5.80 | 0.2228 | 2.4776 | 11 | 9 | W |
| 1993 TC ₃₈ | 14.5 | 930930 | 80.37 | 213.12 | 73.31 | 4.96 | 0.1420 | 2.3251 | 12 | 9 | W | 1993 UU ₆ | 15.0 | 930930 | 63.08 | 170.34 | 135.75 | 6.94 | 0.1555 | 2.4364 | 11 | 9 | W |
| 1993 TD ₃₈ | 15.0 | 930930 | 306.26 | 284.58 | 164.19 | 4.84 | 0.1260 | 2.2804 | 12 | 9 | W | 1993 UV ₆ | 14.0 | 930930 | 186.21 | 39.97 | 162.71 | 6.66 | 0.0853 | 2.2709 | 11 | 9 | W |
| 1993 TE ₃₈ | 14.5 | 930930 | 345.69 | 338.43 | 64.51 | 6.92 | 0.1686 | 2.7886 | 12 | 9 | W | 1993 UW ₆ | 13.5 | 930930 | 38.30 | 241.47 | 98.47 | 6.08 | 0.1261 | 3.0105 | 11 | 9 | W |
| 1993 TG ₃₈ | 13.0 | 930930 | 207.19 | 108.95 | 73.53 | 6.09 | 0.0634 | 3.1634 | 12 | 9 | W | 1993 UZ ₆ | 14.0 | 930930 | 51.30 | 208.42 | 125.41 | 5.03 | 0.0388 | 2.7536 | 11 | 9 | E W |
| 1993 TH ₃₈ | 14.0 | 930930 | 2.62 | 191.15 | 189.03 | 15.77 | 0.2107 | 3.1649 | 12 | 9 | W | 1993 UA ₇ | 13.5 | 930930 | 7.37 | 318.67 | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|------|--------|--------|--------|--------|-------|--------|--------|----|---|-----|-----------------------|------|--------|--------|--------|--------|-------|--------|--------|----|---|-----|
| 1993 UM ₇ | 15.0 | 930930 | 347.99 | 220.98 | 184.17 | 9.80 | 0.2414 | 2.6941 | 11 | 9 | W | 1994 CJ ₁₇ | 14.0 | 940128 | 71.89 | 306.27 | 115.53 | 6.84 | 0.1666 | 2.4467 | 5 | 9 | W |
| 1993 UO ₇ | 15.0 | 930930 | 50.66 | 236.43 | 84.66 | 8.04 | 0.1397 | 2.3627 | 11 | 9 | W | 1994 CK ₁₇ | 14.5 | 940128 | 40.30 | 64.38 | 17.85 | 5.10 | 0.2949 | 2.6676 | 5 | 9 | E W |
| 1993 UR ₇ | 14.0 | 930930 | 326.50 | 313.27 | 131.38 | 5.74 | 0.2761 | 3.1071 | 11 | 9 | E W | 1994 CM ₁₇ | 13.5 | 940128 | 75.90 | 64.46 | 351.77 | 11.65 | 0.2040 | 2.8557 | 5 | 9 | E W |
| 1993 US ₇ | 14.0 | 930930 | 158.67 | 131.14 | 95.46 | 6.91 | 0.0760 | 2.3700 | 11 | 9 | W | 1994 CN ₁₇ | 14.0 | 940128 | 252.09 | 265.54 | 8.32 | 8.59 | 0.1251 | 2.3971 | 5 | 9 | E W |
| 1993 UT ₇ | 15.5 | 930930 | 20.30 | 214.24 | 140.43 | 4.15 | 0.1863 | 2.3211 | 11 | 9 | W | 1994 CO ₁₇ | 14.0 | 940128 | 236.34 | 208.22 | 75.35 | 3.95 | 0.0663 | 2.4435 | 5 | 9 | W |
| 1993 UU ₇ | 15.5 | 930930 | 40.63 | 238.52 | 77.92 | 5.93 | 0.2893 | 2.4385 | 11 | 9 | W | 1994 CP ₁₇ | 12.5 | 940128 | 271.65 | 130.71 | 129.47 | 11.72 | 0.1354 | 3.0576 | 5 | 9 | W |
| 1993 UV ₇ | 13.5 | 930930 | 31.53 | 283.01 | 67.40 | 11.89 | 0.0969 | 3.0191 | 11 | 9 | W | 1994 CQ ₁₇ | 15.0 | 940128 | 321.31 | 202.35 | 359.96 | 8.32 | 0.1574 | 2.3837 | 5 | 9 | E W |
| 1993 UW ₇ | 15.0 | 930930 | 14.86 | 252.61 | 115.21 | 5.49 | 0.1234 | 2.6320 | 11 | 9 | W | 1994 CU ₁₇ | 15.0 | 940128 | 10.24 | 76.07 | 60.45 | 3.24 | 0.1500 | 2.4245 | 5 | 9 | W |
| 1993 UZ ₇ | 13.0 | 930930 | 349.54 | 258.52 | 144.33 | 7.32 | 0.1475 | 3.1663 | 11 | 9 | W | 1994 CV ₁₇ | 14.5 | 940128 | 0.78 | 78.61 | 72.35 | 3.35 | 0.1655 | 2.6928 | 5 | 9 | W |
| 1993 UA ₈ | 13.5 | 930930 | 347.74 | 304.79 | 100.83 | 7.52 | 0.1755 | 3.1873 | 11 | 9 | W | 1994 CX ₁₇ | 15.0 | 940128 | 316.54 | 92.55 | 108.38 | 5.16 | 0.0763 | 2.2376 | 5 | 9 | W |
| 1993 UC ₈ | 15.5 | 930930 | 16.12 | 212.27 | 144.37 | 4.46 | 0.2601 | 2.5892 | 11 | 9 | W | 1994 CZ ₁₇ | 14.5 | 940128 | 318.37 | 60.24 | 142.77 | 11.81 | 0.0944 | 2.5174 | 5 | 9 | W |
| 1993 UD ₈ | 15.0 | 930930 | 34.93 | 202.83 | 132.45 | 5.66 | 0.1971 | 2.5356 | 11 | 9 | W | 1994 CA ₁₈ | 15.0 | 940128 | 6.07 | 63.77 | 79.63 | 3.42 | 0.1182 | 2.3936 | 5 | 9 | W |
| 1993 UE ₈ | 14.0 | 930930 | 328.99 | 339.52 | 98.38 | 6.36 | 0.2474 | 3.0679 | 11 | 9 | W | 1994 CB ₁₈ | 13.5 | 940128 | 295.51 | 90.73 | 137.18 | 11.07 | 0.0649 | 2.9422 | 5 | 9 | W |
| 1993 UH ₈ | 15.0 | 930930 | 293.02 | 324.73 | 136.09 | 6.16 | 0.0664 | 2.2851 | 11 | 9 | W | 1994 CD ₁₈ | 14.0 | 940128 | 105.63 | 28.77 | 358.70 | 8.10 | 0.2123 | 2.2405 | 5 | 9 | E W |
| 1993 UJ ₈ | 15.0 | 930930 | 40.87 | 248.14 | 82.72 | 7.30 | 0.1604 | 2.3823 | 11 | 9 | W | 1994 CE ₁₈ | 14.5 | 940128 | 356.07 | 128.00 | 27.52 | 4.12 | 0.0284 | 2.1745 | 5 | 9 | E W |
| 1993 UK ₈ | 14.0 | 930930 | 36.02 | 206.31 | 128.18 | 5.19 | 0.2197 | 3.1084 | 11 | 9 | W | 1994 CG ₁₈ | 12.5 | 940128 | 240.30 | 171.26 | 112.37 | 6.78 | 0.0637 | 3.1708 | 5 | 9 | E W |
| 1993 UM ₈ | 14.0 | 930930 | 322.92 | 247.48 | 185.10 | 14.40 | 0.0977 | 2.5779 | 11 | 9 | W | 1994 ER ₅ | 15.0 | 940217 | 331.72 | 157.50 | 35.67 | 3.83 | 0.1212 | 2.2629 | 31 | 0 | W |
| 1993 UN ₈ | 14.5 | 930930 | 17.19 | 178.42 | 186.14 | 14.62 | 0.1487 | 2.7185 | 11 | 9 | W | 1994 ES ₅ | 14.0 | 940217 | 25.81 | 126.49 | 359.47 | 13.02 | 0.1167 | 2.7274 | 31 | 0 | W |
| 1993 UO ₈ | 14.5 | 930930 | 218.37 | 29.72 | 148.90 | 6.40 | 0.1261 | 2.2641 | 11 | 9 | W | 1994 EY ₅ | 13.5 | 940217 | 97.56 | 299.55 | 116.84 | 6.25 | 0.0546 | 2.7421 | 31 | 0 | W |
| 1993 UP ₈ | 13.0 | 930930 | 97.38 | 111.36 | 171.41 | 10.45 | 0.1005 | 3.0113 | 11 | 9 | W | 1994 EC ₆ | 13.5 | 940217 | 96.68 | 342.15 | 77.59 | 5.11 | 0.0321 | 2.7444 | 31 | 0 | W |
| 1993 UQ ₈ | 15.0 | 930930 | 348.27 | 231.77 | 177.22 | 8.87 | 0.2908 | 3.1215 | 11 | 9 | W | 1994 ED ₆ | 13.0 | 940217 | 263.63 | 145.84 | 124.94 | 6.23 | 0.1149 | 3.1492 | 31 | 0 | W |
| 1993 UR ₈ | 13.5 | 930930 | 332.15 | 352.23 | 68.37 | 11.90 | 0.0609 | 2.9794 | 11 | 9 | W | 1994 ES ₆ | 10.5 | 940217 | 330.72 | 70.91 | 124.34 | 9.10 | 0.0416 | 5.2019 | 31 | 0 | W |
| 1993 UU ₈ | 13.5 | 930930 | 27.99 | 284.95 | 74.33 | 10.94 | 0.0419 | 3.0042 | 11 | 9 | W | 1994 GF | 14.0 | 940329 | 355.64 | 97.90 | 107.27 | 3.65 | 0.0574 | 2.1929 | 14 | 0 | W |
| 1993 UV ₈ | 15.5 | 931020 | 325.53 | 340.67 | 94.51 | 4.13 | 0.1387 | 2.2736 | 3 | 8 | E W | 1994 GT | 12.5 | 940418 | 17.66 | 110.46 | 71.42 | 3.44 | 0.1770 | 3.0387 | 28 | 0 | W |
| 1993 UW ₈ | 14.0 | 930930 | 93.39 | 192.17 | 84.32 | 5.48 | 0.1505 | 2.5188 | 11 | 0 | W | 1994 GL ₉ | 14.3 | 940418 | 1.79 | 339.62 | 225.36 | 3.39 | 0.1060 | 2.2678 | 22 | 6 | N |
| 1994 CB ₁₃ | 14.0 | 940128 | 253.59 | 260.72 | 6.25 | 4.30 | 0.0915 | 2.2464 | 6 | 0 | W | 1994 GW ₉ | 13.5 | 940418 | 321.76 | 227.02 | 33.56 | 9.23 | 0.0615 | 3.0598 | 21 | 6 | W |
| 1994 CG ₁₅ | 13.0 | 940128 | 251.28 | 271.19 | 1.77 | 6.04 | 0.0904 | 3.0003 | 5 | 9 | E W | 1994 GX ₉ | 13.5 | 940329 | 305.74 | 64.07 | 173.66 | 2.87 | 0.0621 | 3.1502 | 2 | 4 | E W |
| 1994 CJ ₁₅ | 13.5 | 940128 | 231.10 | 248.47 | 54.88 | 3.12 | 0.2814 | 2.4140 | 5 | 9 | E W | 1994 GY ₉ | 14.0 | 940329 | 87.43 | 258.46 | 173.95 | 10.72 | 0.1585 | 2.7072 | 2 | 4 | E W |
| 1994 CL ₁₅ | 14.0 | 940128 | 278.30 | 190.79 | 72.68 | 2.77 | 0.2516 | 2.6127 | 5 | 9 | E W | 1994 GZ ₉ | 12.5 | 940329 | 199.65 | 209.11 | 134.17 | 2.54 | 0.2125 | 3.1993 | 2 | 4 | E W |
| 1994 CN ₁₅ | 14.0 | 940128 | 41.57 | 36.21 | 48.21 | 3.51 | 0.2706 | 3.0473 | 5 | 9 | E W | 1994 GB ₁₀ | 15.5 | 940329 | 300.66 | 244.49 | 17.15 | 2.00 | 0.1925 | 2.2609 | 2 | 4 | E W |
| 1994 CP ₁₅ | 14.5 | 940128 | 116.91 | 326.54 | 53.40 | 4.13 | 0.1555 | 2.1854 | 5 | 9 | W | 1994 GC ₁₀ | 16.0 | 940329 | 343.39 | 163.73 | 45.40 | 2.40 | 0.2448 | 2.4408 | 2 | 4 | E W |
| 1994 CQ ₁₅ | 13.0 | 940128 | 281.79 | 253.39 | 0.17 | 9.95 | 0.1822 | 3.1116 | 5 | 9 | E W | 1994 GD ₁₀ | 14.0 | 940329 | 48.24 | 44.51 | 66.84 | 1.84 | 0.1962 | 3.0885 | 2 | 4 | E W |
| 1994 CS ₁₅ | 14.5 | 940128 | 40.78 | 59.93 | 21.69 | 5.02 | 0.2859 | 2.7004 | 5 | 9 | E W | 1994 GE ₁₀ | 14.5 | 940329 | 95.98 | 327.61 | 102.24 | 1.18 | 0.1285 | 2.4138 | 2 | 4 | E W |
| 1994 CV ₁₅ | 13.5 | 940128 | 144.31 | 333.50 | 25.67 | 4.22 | 0.1674 | 2.2330 | 5 | 9 | W | 1994 GF ₁₀ | 14.0 | 940329 | 319.07 | 127.29 | 105.14 | 1.29 | 0.1380 | 2.9384 | 2 | 4 | E W |
| 1994 CX ₁₅ | 12.5 | 940128 | 241.84 | 146.00 | 147.96 | 18.30 | 0.2113 | 3.0502 | 5 | 9 | W | 1994 HD | 13.5 | 940508 | 38.30 | 321.20 | 195.43 | 27.06 | 0.2369 | 2.6906 | 61 | 0 | W |
| 1994 CZ ₁₅ | 14.0 | 940128 | 68.55 | 79.89 | 351.36 | 9.20 | 0.1203 | 2.6502 | 5 | 9 | E W | 1994 HS ₁ | 13.6 | 940418 | 18.24 | 158.31 | 31.89 | 9.04 | 0.2206 | 2.7783 | 22 | 5 | N |
| 1994 CA ₁₆ | 15.5 | 940128 | 21.67 | 119.75 | 354.46 | 5.23 | 0.2262 | 2.4526 | 5 | 9 | W | 1994 JD | 14.5 | 940528 | 113.22 | 15.08 | 96.34 | 23.54 | 0.0771 | 1.9347 | 61 | 0 | W |
| 1994 CC ₁₆ | 14.0 | 940128 | 44.42 | 353.17 | 102.72 | 3.54 | 0.1322 | 2.6074 | 5 | 9 | W | 1994 JR | 12.0 | 940508 | 332.89 | 167.17 | 82.91 | 15.07 | 0.1189 | 2.5814 | 37 | 8 | W |
| 1994 CF ₁₆ | 13.0 | 940128 | 32.42 | 355.83 | 117.83 | 8.00 | 0.1182 | 3.1998 | 5 | 9 | E W | 1994 JE ₁ | 14.5 | 940528 | 53.11 | 67.44 | 66.39 | 5.79 | 0.1434 | 2.3601 | 34 | 0 | N |
| 1994 CJ ₁₆ | 14.5 | 940128 | 330.10 | 64.78 | 120.57 | 4.74 | 0.0830 | 2.2705 | 5 | 9 | W | 1994 JO ₁ | 14.0 | 940528 | 343.84 | 224.22 | 78.45 | 7.58 | 0.2797 | 2.2322 | 58 | 8 | W |
| 1994 CL ₁₆ | 14.0 | 940128 | 328.08 | 76.94 | 113.46 | 3.23 | 0.0686 | 2.7560 | 5 | 9 | W | 1994 JS ₁ | 14.0 | 940528 | 29.49 | 22.30 | 168.84 | 19.45 | 0.3517 | 2.6024 | 64 | 0 | W |
| 1994 CN ₁₆ | 14.0 | 940128 | 210.25 | 252.68 | 57.87 | 3.79 | 0.1537 | 2.2248 | 5 | 9 | W | 1994 JR ₈ | 13.5 | 940418 | 236.96 | 316.75 | 31.53 | 4.19 | 0.0846 | 2.6988 | 21 | 8 | W |
| 1994 CO ₁₆ | 14.5 | 940128 | 50.12 | 322.38 | 128.92 | 6.61 | 0.1055 | 2.3656 | 5 | 9 | W | 1994 JU ₈ | 13.3 | 940508 | 312.05 | 54.89 | 231.53 | 15.02 | 0.1325 | 2.5055 | 8 | 6 | N |
| 1994 CQ ₁₆ | 14.5 | 940128 | 59.70 | 62.80 | 7.51 | 5.27 | 0.2042 | 2.5386 | 5 | 9 | E W | 1994 LA | 14.1 | 940528 | 284.78 | 253.04 | 95.24 | 22.31 | 0.1727 | 3.1359 | 36 | 8 | N |
| 1994 CR ₁₆ | 15.0 | 940128 | 305.09 | 195.84 | 28.85 | 2.68 | 0.1782 | 2.3468 | 5 | 9 | E W | 1994 LC | 14.6 | 940528 | 9.83 | 107.58 | 128.84 | 9.91 | 0.1788 | 2.5369 | 15 | 8 | N |
| 1994 CS ₁₆ | 14.5 | 940128 | 13.93 | 1.20 | 132.97 | 8.49 | 0.1282 | 2.6738 | 5 | 9 | W | 1994 LE | 13.4 | 940528 | 3.81 | 128.41 | 113.98 | 7.65 | 0.2221 | 2.6784 | 9 | 0 | N |
| 1994 CT ₁₆ | 13.5 | 940128 | 294.81 | 241.81 | 5.93 | 5.96 | 0.2369 | 3.0786 | 5 | 9 | E W | 1994 LG | 13.5 | 940528 | 114.07 | 257.31 | 209.63 | 8.91 | 0.2303 | 2.2787 | 2 | 9 | E W |
| 1994 CV ₁₆ | 13.0 | 940128 | 269.11 | 160.43 | 109.43 | 3.22 | 0.2027 | 2.9087 | 5 | 9 | W | 1994 LH | 15.0 | 940617 | 12.74 | 103.96 | 134.78 | 11.45 | 0.2043 | 2.6652 | 32 | 0 | W |
| 1994 CW ₁₆ | 15.0 | 940128 | 341.35 | 52.62 | 119.60 | 5.36 | 0.0808 | 2.2579 | 5 | 9 | W | 1994 LL | 13.0 | 940528 | 73.13 | 23.49 | 149.37 | 27.02 | 0.0693 | 2.6986 | 10 | 0 | W |
| 1994 CX ₁₆ | 11.5 | 940128 | 231.25 | 197.76 | 100.33 | 6.59 | 0.1279 | 3.9884 | 5 | 9 | E W | 1994 LR | 11.7 | 940528 | 18.22 | 130.64 | 94.77 | 12.79 | 0.0514 | 3.0828 | 15 | 7 | N |
| 1994 CY ₁₆ | 15.0 | 940128 | 336.71 | 113.09 | 65.01 | 3.09 | 0.0798 | 2.3193 | 5 | 9 | E W | 1994 LT | 15.0 | 940528 | 260.86 | 262.22 | 85.26 | 23.53 | 0.0940 | 1.9350 | 8 | 7 | W |
| 1994 CZ ₁₆ | 13.5 | 940128 | 129.13 | 239.83 | 1 | | | | | | | | | | | | | | | | | | |

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|----------------------|-------------|---------------|---------------|---------------|---------------|--------------|---------------|---------------|----------|----------|----------|
| 1994 LQ ₁ | 16.5 | 940528 | 120.98 | 282.42 | 195.72 | 20.62 | 0.0838 | 1.9269 | 2 | 9 | W |
| 1994 LW ₁ | 17.0 | 940528 | 333.93 | 177.60 | 99.79 | 14.17 | 0.1382 | 2.5487 | 7 | 8 | W |
| 1994 LY ₁ | 16.0 | 940528 | 246.37 | 288.67 | 127.17 | 8.43 | 0.0447 | 2.3059 | 3 | 9 | E W |
| 1994 LE ₃ | 14.0 | 940528 | 276.56 | 163.21 | 191.96 | 20.79 | 0.1070 | 1.8181 | 2 | 5 | W |
| 1994 NC | 12.5 | 940707 | 279.67 | 240.19 | 164.90 | 12.30 | 0.2223 | 2.7198 | 6 | 8 | W |
| 1994 ND | 18.0 | 940707 | 347.57 | 228.01 | 102.81 | 27.04 | 0.5103 | 2.1398 | 8 | 0 | W |
| 1994 NF | 17.0 | 940707 | 359.76 | 47.24 | 217.05 | 6.10 | 0.3325 | 2.5680 | 7 | 0 | M |
| 1994 NK | 19.8 | 940707 | 10.71 | 128.45 | 120.30 | 5.83 | 0.5544 | 2.4389 | 4 | 0 | N |

1992 EJ₄ = 1992 DJ₅ (G. V. Williams)

| | | | | | | | | | | | |
|---|--------|-------|-----------|------|-----------|----------|------------|----------|-----------|--|--|
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | | | | | | | |
| (351) Yrsa | | | | | | | | | | | |
| Williams | | | | | | | | | | | |
| | | Obs. | 73 | M | 6.55343 | ω | 30.50753 | | | | |
| H | 8.98 | G | 0.15 | Opp. | 28 | n | 0.21418602 | Ω | 99.58575 | | |
| rms res. | 1''.01 | (M-C) | 1893-1987 | e | 0.1522796 | i | 9.19932 | | | | |
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | | | | | | | |
| (770) Bali | | | | | | | | | | | |
| Bowell | | | | | | | | | | | |
| | | Obs. | 76 | M | 138.32890 | ω | 17.59417 | | | | |
| H | 10.93 | G | 0.15 | Opp. | 22 | n | 0.29764538 | Ω | 44.88510 | | |
| rms res. | 0''.96 | (M-C) | 1913-1994 | e | 0.1504334 | i | 4.39133 | | | | |
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | | | | | | | |
| (1916) Boreas | | | | | | | | | | | |
| Williams | | | | | | | | | | | |
| | | Obs. | 75 | M | 356.91007 | ω | 335.26197 | | | | |
| H | 14.93 | G | 0.15 | Opp. | 5 | n | 0.28760960 | Ω | 340.91761 | | |
| rms res. | 0''.92 | (M-C) | 1953-1994 | e | 0.4494491 | i | 12.84429 | | | | |
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | | | | | | | |
| (2063) Bacchus | | | | | | | | | | | |
| Williams | | | | | | | | | | | |
| | | Obs. | 26 | M | 276.59359 | ω | 55.05632 | | | | |
| H | 16.4 | G | 0.15 | Opp. | 5 | n | 0.88112906 | Ω | 33.33529 | | |
| rms res. | 0''.96 | (M-N) | 1977-1994 | e | 0.3494288 | i | 9.42430 | | | | |
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | | | | | | | |
| (2495) Noviomagum | | | | | | | | | | | |
| Bowell | | | | | | | | | | | |
| | | Obs. | 39 | M | 304.76182 | ω | 136.24239 | | | | |
| H | 15.5 | G | 0.15 | Opp. | 5 | n | 0.37114239 | Ω | 199.88417 | | |
| rms res. | 0''.78 | (M-C) | 1960-1994 | e | 0.1024130 | i | 21.11823 | | | | |
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | | | | | | | |
| (2671) Abkhazia | | | | | | | | | | | |
| Williams | | | | | | | | | | | |
| | | Obs. | 28 | M | 344.12023 | ω | 156.30859 | | | | |
| H | 13.4 | G | 0.15 | Opp. | 5 | n | 0.23392333 | Ω | 228.54124 | | |
| rms res. | 0''.78 | (M-C) | 1973-1992 | e | 0.1202440 | i | 1.46810 | | | | |
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | | | | | | | |
| (2761) Eddington | | | | | | | | | | | |
| Williams | | | | | | | | | | | |
| | | Obs. | 35 | M | 188.33080 | ω | 101.39414 | | | | |
| H | 12.1 | G | 0.15 | Opp. | 7 | n | 0.18294601 | Ω | 31.48988 | | |
| rms res. | 0''.86 | (M-C) | 1979-1992 | e | 0.1880729 | i | 3.18514 | | | | |
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | | | | | | | |
| (2908) Shimoyama | | | | | | | | | | | |
| Bowell | | | | | | | | | | | |
| | | Obs. | 23 | M | 190.61840 | ω | 152.34810 | | | | |
| H | 11.5 | G | 0.15 | Opp. | 5 | n | 0.19125237 | Ω | 233.79714 | | |
| rms res. | 0''.96 | (M-C) | 1955-1994 | e | 0.1501334 | i | 13.35001 | | | | |
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | | | | | | | |
| (2937) Gibbs | | | | | | | | | | | |
| Williams | | | | | | | | | | | |
| | | Obs. | 28 | M | 339.82055 | ω | 71.48781 | | | | |
| H | 12.9 | G | 0.15 | Opp. | 4 | n | 0.27884937 | Ω | 265.98638 | | |
| rms res. | 0''.93 | (M-C) | 1980-1994 | e | 0.3014081 | i | 21.78938 | | | | |
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | | | | | | | |
| (2979) Murmansk | | | | | | | | | | | |
| Williams | | | | | | | | | | | |
| | | Obs. | 23 | M | 343.35254 | ω | 195.78024 | | | | |
| H | 12.1 | G | 0.15 | Opp. | 5 | n | 0.17783968 | Ω | 149.05215 | | |
| rms res. | 1''.25 | (M-C) | 1976-1992 | e | 0.1445150 | i | 11.35019 | | | | |

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|---|--------|-------|-----------|------|-----------|----------|------------|----------|-----------|--|--|
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | | | | | | | |
| (3203) Huth | | | | | | | | | | | |
| Bowell | | | | | | | | | | | |
| | | Obs. | 22 | M | 297.84693 | ω | 304.79153 | | | | |
| H | 13.7 | G | 0.15 | Opp. | 5 | n | 0.27831616 | Ω | 48.74121 | | |
| rms res. | 0''.82 | (M-C) | 1938-1994 | e | 0.2618356 | i | 6.66559 | | | | |
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | | | | | | | |
| (3389) Sinzot | | | | | | | | | | | |
| Williams | | | | | | | | | | | |
| | | Obs. | 52 | M | 169.70638 | ω | 268.31355 | | | | |
| H | 12.6 | G | 0.15 | Opp. | 8 | n | 0.21307398 | Ω | 150.41588 | | |
| rms res. | 0''.58 | (M-C) | 1964-1994 | e | 0.1369798 | i | 7.05362 | | | | |
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | | | | | | | |
| (3644) Kojitaku | | | | | | | | | | | |
| Williams | | | | | | | | | | | |
| | | Obs. | 29 | M | 180.33494 | ω | 81.67945 | | | | |
| H | 13.2 | G | 0.15 | Opp. | 7 | n | 0.29230026 | Ω | 355.55892 | | |
| rms res. | 1''.01 | (M-C) | 1931-1994 | e | 0.0939071 | i | 3.53901 | | | | |
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | | | | | | | |
| (3653) Klimishin | | | | | | | | | | | |
| Williams | | | | | | | | | | | |
| | | Obs. | 23 | M | 185.70509 | ω | 73.63761 | | | | |
| H | 13.4 | G | 0.15 | Opp. | 6 | n | 0.29476801 | Ω | 182.95933 | | |
| rms res. | 1''.02 | (M-C) | 1979-1993 | e | 0.0991892 | i | 4.95037 | | | | |
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | | | | | | | |
| (4333) Sinton | | | | | | | | | | | |
| Williams | | | | | | | | | | | |
| | | Obs. | 38 | M | 116.57629 | ω | 178.40287 | | | | |
| H | 13.9 | G | 0.15 | Opp. | 6 | n | 0.29470765 | Ω | 143.60572 | | |
| rms res. | 0''.91 | (M-C) | 1973-1992 | e | 0.1487147 | i | 4.15550 | | | | |
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | | | | | | | |
| (4364) Shkodrov | | | | | | | | | | | |
| Williams | | | | | | | | | | | |
| | | Obs. | 36 | M | 56.13827 | ω | 46.12093 | | | | |
| H | 14.2 | G | 0.15 | Opp. | 6 | n | 0.27746713 | Ω | 139.81372 | | |
| rms res. | 0''.86 | (M-C) | 1978-1994 | e | 0.1389978 | i | 1.73679 | | | | |
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | | | | | | | |
| (4425) 1967 UQ | | | | | | | | | | | |
| Williams | | | | | | | | | | | |
| | | Obs. | 22 | M | 109.33219 | ω | 51.64412 | | | | |
| H | 13.9 | G | 0.15 | Opp. | 6 | n | 0.27188983 | Ω | 68.07807 | | |
| rms res. | 0''.77 | (M-C) | 1952-1994 | e | 0.1648047 | i | 3.31247 | | | | |
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | | | | | | | |
| (4625) Shchedrin | | | | | | | | | | | |
| Williams | | | | | | | | | | | |
| | | Obs. | 25 | M | 278.89569 | ω | 13.68531 | | | | |
| H | 13.4 | G | 0.15 | Opp. | 5 | n | 0.23453553 | Ω | 53.47988 | | |
| rms res. | 0''.98 | (M-C) | 1975-1992 | e | 0.2341615 | i | 1.60635 | | | | |
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | | | | | | | |
| (4769) Castalia | | | | | | | | | | | |
| Williams | | | | | | | | | | | |
| | | Obs. | 76 | M | 154.75836 | ω | 121.19625 | | | | |
| H | 16.9 | G | 0.15 | Opp. | 3 | n | 0.89905470 | Ω | 325.76639 | | |
| rms res. | 0''.77 | (M-N) | 1989-1994 | e | 0.4832178 | i | 8.88636 | | | | |
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | | | | | | | |
| (4953) 1990 MU | | | | | | | | | | | |
| Williams | | | | | | | | | | | |
| | | Obs. | 42 | M | 72.41136 | ω | 77.39848 | | | | |
| H | 14.3 | G | 0.15 | Opp. | 9 | n | 0.47761015 | Ω | 78.10784 | | |
| rms res. | 0''.86 | (M-C) | 1974-1994 | e | 0.6570105 | i | 24.42258 | | | | |
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | | | | | | | | |
| (5413) 1977 EC ₂ | | | | | | | | | | | |
| Bowell | | | | | | | | | | | |
| | | Obs. | 40 | M | 42.63834 | ω | 139.04878 | | | | |
| H | 11.9 | G | 0.15 | Opp. | 6 | n | 0.17493495 | Ω | 41.85296 | | |
| rms res. | 0''.65 | (M-C) | 1977-1994 | e | 0.1419508 | i | 0.43134 | | | | |

| | | | | | | | | | |
|---|-------|----------|------|-----------|----|----------|------------|----------|----------|
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | Bowell | | | | | |
| (5422) Hodgkin | | | | Obs. | 24 | <i>M</i> | 135.96693 | ω | 7.39155 |
| <i>H</i> | 12.3 | <i>G</i> | 0.15 | Opp. | 7 | <i>n</i> | 0.19229207 | Ω | 33.52905 |
| rms res. | 0".80 | (M-C) | | 1951-1994 | | <i>e</i> | 0.2385017 | <i>i</i> | 6.63920 |

(6029)* 1948 AG = 1964 BD = 1988 BY

Discovered 1948 Jan. 14 at the Lick Observatory.

Id. C. M. Bardwell (*MPC* 13169)

| | | | | | | | | | |
|---|------------|----------|-----------|-------------|-------------|----------|--|----------|--|
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | Bardwell | | | | | |
| <i>M</i> 136.60871 | | | | (2000.0) | | P | | Q | |
| <i>n</i> | 0.36843313 | ω | 42.80511 | -0.80609096 | -0.44217366 | | | | |
| <i>a</i> | 1.9270675 | Ω | 106.91449 | +0.36754244 | -0.89496864 | | | | |
| <i>e</i> | 0.0758446 | <i>i</i> | 24.27416 | +0.46382100 | -0.05927551 | | | | |
| <i>P</i> | 2.68 | <i>H</i> | 14.2 | <i>G</i> | 0.15 | | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 480114 662 | 0.1+ | 0.8- | 880216 675 | 0.7- | 1.8- | 921210 413 | 0.4+ | 0.1+ |
| 480114 662 | 0.4+ | 0.5- | 880217 675 | 1.3- | 1.2- | 921211 413 | 0.0 | 0.4+ |
| 480117 662 | 0.5- | 0.7- | 880220 675 | 2.1- | 1.3- | 921211 413 | 0.1+ | 0.3+ |
| 480117 662 | 1.0- | 0.3- | 910209 801 | 0.4+ | 0.2+ | 940604 675 | 0.5+ | 1.3- |
| 480122 662 | 0.6+ | 0.6- | 910209 801 | 1.1+ | 0.0 | 940604 675 | 1.1- | 1.2- |
| 480122 662 | 0.5+ | 0.7+ | 910210 801 | 0.3+ | 0.1+ | 940704 675 | 0.4- | 0.1+ |
| 640118 012 | (4.4+ | 9.4-) | 910210 801 | 0.2- | 0.6- | 940704 675 | 0.7+ | 0.6- |
| 880121 675 | 0.8+ | 0.9+ | 910318 801 | 0.9+ | 1.2+ | 940707 675 | 1.6- | 0.2+ |
| 880123 675 | 1.2+ | 0.6- | 910318 801 | 1.0+ | 1.4+ | 940707 675 | 0.8- | 0.2- |
| 880124 675 | 1.4+ | 0.7+ | 921210 413 | 0.3+ | 0.0 | | | |

(6030)* 1981 EG₃₆

Discovered 1981 Mar. 7 by S. J. Bus at Siding Spring in the course of the U.K. Schmidt-Caltech Asteroid Survey.

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | | | | | | | | |
|---|------------|----------|-----------|-------------|-------------|----------|--|----------|--|
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | Williams | | | | | |
| <i>M</i> 300.88432 | | | | (2000.0) | | P | | Q | |
| <i>n</i> | 0.17584471 | ω | 203.03467 | +0.96258955 | -0.27070610 | | | | |
| <i>a</i> | 3.1553667 | Ω | 172.64171 | +0.26074603 | +0.91355077 | | | | |
| <i>e</i> | 0.0487852 | <i>i</i> | 5.29258 | +0.07370799 | +0.30355098 | | | | |
| <i>P</i> | 5.60 | <i>H</i> | 12.1 | <i>G</i> | 0.15 | | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 781004 675 | 0.3+ | 0.1- | 810329 413 | 0.4+ | 0.9- | 920307 809 | 1.7+ | 0.5- |
| 781005 675 | 0.3- | 0.2+ | 810407 413 | 1.6+ | 0.6- | 920406 809 | 1.1+ | 0.2- |
| 810202 413 | 0.6+ | 1.5- | 810408 413 | 0.2- | 0.7- | 930420 691 | 1.0- | 2.5+ |
| 810307 413 | 1.1- | 0.1+ | 810411 413 | 0.8- | 0.3+ | 930420 691 | 0.1- | 0.7- |
| 810311 413 | 0.7- | 0.7+ | 810411 413 | 0.6+ | 1.3- | 930516 399 | 1.6+ | 0.2- |
| 810311 413 | 0.9+ | 1.1- | 810502 413 | 0.4+ | 0.1- | 930516 399 | 0.2- | 0.4+ |
| 810316 413 | 2.1- | 1.0+ | 810503 413 | 0.1+ | 0.0 | 930521 691 | 0.0 | 0.3- |
| 810316 413 | (4.7+ | 3.1-) | 920302 809 | 1.7- | 2.6+ | 930521 691 | 0.2- | 0.1- |
| 810329 413 | 0.6- | 0.1+ | 920304 809 | 0.0 | 1.5+ | 930521 691 | 0.0 | 0.5- |

(6031)* 1982 BQ₄ = 1975 VK₅ = 1983 HR = 1988 EL₁

Discovered 1982 Jan. 26 by H. Kosai and K. Hুরুkawa at Kiso.

Id. A. Lowe (*MPC* 13157), B. G. Marsden (*ibid.*), S. Nakano (*ibid.*)

| | | | | | | | | | |
|---|------------|----------|-----------|-------------|-------------|----------|--|----------|--|
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | Marsden | | | | | |
| <i>M</i> 60.32783 | | | | (2000.0) | | P | | Q | |
| <i>n</i> | 0.18836455 | ω | 131.24945 | -0.79648614 | +0.57468599 | | | | |
| <i>a</i> | 3.0139539 | Ω | 84.65926 | -0.59572534 | -0.69258100 | | | | |
| <i>e</i> | 0.0299947 | <i>i</i> | 10.88420 | -0.10354302 | -0.43596740 | | | | |
| <i>P</i> | 5.23 | <i>H</i> | 11.8 | <i>G</i> | 0.15 | | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 751102 095 | (0.6+ | 5.0+) | 880315 675 | (4.0+ | 3.4-) | 930323 801 | 0.2+ | 0.3+ |
| 820126 381 | 1.0- | 1.4- | 901112 413 | 0.1- | 1.1- | 930323 801 | 0.1+ | 0.4+ |
| 820126 381 | 0.2+ | 0.1+ | 920109 801 | 0.2- | 0.4- | 940514 801 | 0.9- | 0.2- |
| 820126 381 | 0.4+ | 0.1- | 920109 801 | 0.0 | 0.5- | 940514 801 | 1.2+ | 1.2- |
| 820128 381 | 1.2+ | 1.3- | 930119 801 | 0.4- | 0.1+ | 940515 801 | 0.6- | 1.2- |
| 820128 381 | 0.0 | 0.1- | 930119 801 | 0.1- | 0.1+ | 940515 801 | 0.8- | 0.0 |
| 830411 095 | 0.2- | 0.4+ | 930226 801 | 0.1+ | 0.4+ | 940705 801 | 0.0 | 0.0 |
| 830418 688 | (4.1- | 5.9-) | 930226 801 | 0.3+ | 0.4+ | 940705 801 | 1.4+ | 0.3- |
| 830418 688 | 1.0- | 0.7- | 930320 801 | 0.0 | 0.2+ | | | |
| 880314 675 | (4.9+ | 2.1-) | 930320 801 | 0.0 | 0.2+ | | | |

(6032)* 1983 PY = 1979 KB₁ = 1987 US₇

Discovered 1983 Aug. 4 by L. G. Karachkina at the Crimean Astrophysical Observatory.

Id. H. Kaneda (*MPC* 16231)

| | | | | | | | | | |
|---|------------|----------|-----------|-------------|-------------|----------|--|----------|--|
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | Williams | | | | | |
| <i>M</i> 339.26217 | | | | (2000.0) | | P | | Q | |
| <i>n</i> | 0.26198370 | ω | 131.28510 | +0.76180991 | +0.64751652 | | | | |
| <i>a</i> | 2.4189109 | Ω | 188.42284 | -0.62659362 | +0.72903212 | | | | |
| <i>e</i> | 0.2643536 | <i>i</i> | 7.52554 | -0.16439616 | +0.22188854 | | | | |
| <i>P</i> | 3.76 | <i>H</i> | 13.8 | <i>G</i> | 0.15 | | | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 710325 675 | (7.4+ | 4.6-) | 790526 095 | 1.4- | 1.2+ | 911109 675 | 0.1- | 0.1- |
| 710326 675 | 0.2- | 0.5- | 830804 095 | 0.7+ | 0.6+ | 930124 675 | 0.7+ | 0.5+ |
| 710326 675 | 0.2- | 0.1+ | 830806 095 | 0.5- | 1.7- | 930124 675 | 0.9+ | 0.6- |
| 710327 675 | 1.2+ | 1.2- | 830901 095 | (1.6+ | 4.8+) | 940513 801 | 0.5+ | 0.5- |
| 710402 675 | 0.7+ | 0.1+ | 830905 095 | 1.4+ | 0.8+ | 940513 801 | 0.1+ | 0.3- |
| 710416 675 | 1.2- | 0.2+ | 830911 095 | 1.0+ | 0.8+ | 940514 801 | 1.3+ | 1.0- |
| 710416 675 | 1.7+ | 0.8+ | 871023 095 | 1.8- | 2.0- | 940514 801 | 0.2+ | 0.3- |
| 710416 675 | 1.2- | 0.9- | 900327 675 | 0.6+ | 0.2+ | 940613 691 | 1.3- | 0.3- |
| 710416 675 | (1.1- | 3.3+) | 900327 675 | 0.7+ | 1.1- | 940613 691 | 1.4- | 0.2- |
| 710513 675 | 0.8- | 0.1- | 911107 675 | 0.3+ | 1.0- | 940613 691 | 0.8- | 0.3- |
| 710514 675 | 0.5- | 0.0 | 911107 675 | 0.3- | 0.9- | | | |
| 710516 675 | 1.1- | 0.1+ | 911109 675 | 0.5+ | 0.7- | | | |

(6033)* 1984 SQ₄ = 1949 KO = 1977 KN

Discovered 1984 Sept. 24 by H. Debehogne at the European Southern Observatory.

Id. H. Kaneda (*MPC* 16696)

| | | | | | | | | | |
|---|------------|----------|-----------|-------------|-------------|----------|--|----------|--|
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | Williams | | | | | |
| <i>M</i> 342.32174 | | | | (2000.0) | | P | | Q | |
| <i>n</i> | 0.17436594 | ω | 71.06393 | +0.29018445 | +0.94185062 | | | | |
| <i>a</i> | 3.1731817 | Ω | 217.18291 | -0.94910497 | +0.26059715 | | | | |
| <i>e</i> | 0.1283975 | <i>i</i> | 16.28195 | -0.12244482 | +0.21214742 | | | | |
| <i>P</i> | 5.65 | <i>H</i> | 12.4 | <i>G</i> | 0.15 | | | | |

Residuals in seconds of arc

Table with 10 columns of residual values for various object IDs and epochs.

(6034)* 1987 JA = 1983 EM3 = 1992 UE1

Discovered 1987 May 5 by A. C. Gilmore and P. M. Kilmartin at the Mount John Observatory.

Id. S. Nakano (MPC 21257)

Table with 10 columns for object parameters and residuals for (6034)*.

Residuals in seconds of arc

Table with 10 columns of residual values for various object IDs and epochs.

(6035)* 1987 OR = 1990 FF

Discovered 1987 July 27 by E. W. Elst at Haute Provence.

Id. S. Nakano (MPC 16427)

Table with 10 columns for object parameters and residuals for (6035)*.

Residuals in seconds of arc

Table with 10 columns of residual values for various object IDs and epochs.

Table with 10 columns of residual values for various object IDs and epochs.

(6036)* 1988 CV3 = 1990 RZ4

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

Id. H. Kaneda (MPC 17821)

Table with 10 columns for object parameters and residuals for (6036)*.

Residuals in seconds of arc

Table with 10 columns of residual values for various object IDs and epochs.

(6037)* 1988 EG

Discovered 1988 Mar. 12 by J. Alu at Palomar.

Table with 10 columns for object parameters and residuals for (6037)*.

Residuals in seconds of arc

Table with 10 columns of residual values for various object IDs and epochs.

| | | | | | | | | | | | |
|--------|-----|-------|-------|--------|-----|------|------|--------|-----|------|------|
| 880321 | 474 | 0.7+ | 0.6- | 880412 | 691 | 0.3+ | 0.5+ | 900713 | 675 | 0.1+ | 0.6- |
| 880321 | 474 | 0.4+ | 1.4- | 880412 | 691 | 0.3+ | 0.5+ | 900713 | 675 | 0.7+ | 0.5- |
| 880322 | 809 | 0.2- | 1.6+ | 880412 | 691 | 0.1- | 0.6+ | 940502 | 413 | 0.1+ | 0.3+ |
| 880322 | 809 | (4.4- | 0.7+) | 880419 | 691 | 0.4+ | 0.4+ | 940502 | 413 | 0.2+ | 0.2- |
| 880322 | 675 | 2.0+ | 0.8- | 880419 | 691 | 0.5+ | 1.2+ | 940504 | 413 | 0.9+ | 0.2+ |
| 880322 | 675 | 2.3+ | 0.1+ | 880419 | 691 | 0.3- | 0.7+ | 940504 | 413 | 0.9- | 0.7+ |
| 880323 | 675 | 0.1+ | 0.0 | 880519 | 688 | 0.8- | 0.7+ | 940617 | 413 | 0.2- | 0.3+ |
| 880323 | 675 | 0.2+ | 0.1+ | 880519 | 688 | 1.1- | 1.0+ | | | | |
| 880323 | 675 | 0.2+ | 0.1+ | 880519 | 688 | 1.4- | 1.1+ | | | | |

(6038)* 1989 EQ = 1981 QX₃

Discovered 1989 Mar. 4 by R. H. McNaught at Siding Spring.

Id. S. J. Bus (*MPC* 20635)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.18490937 | ω 119.67529 | +0.26474117 -0.95890455 |
| <i>a</i> | 3.0513833 | Ω 314.59335 | +0.82781196 +0.28026794 |
| <i>e</i> | 0.1898618 | <i>i</i> 8.23925 | +0.49461042 +0.04418095 |
| <i>P</i> | 5.33 | <i>H</i> 12.1 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|-------|-------|--------|-----|------|------|
| 740428 | 413 | 0.5- | 0.1- | 890326 | 046 | 0.1+ | 1.6- | 921013 | 413 | 0.3+ | 0.5- |
| 740428 | 413 | 1.0- | 0.9+ | 890326 | 046 | 0.3- | 0.8- | 921013 | 413 | 0.4+ | 0.7- |
| 810830 | 675 | 0.9+ | 0.4- | 890327 | 046 | 2.1+ | 1.5- | 921210 | 413 | 0.2+ | 0.2+ |
| 810831 | 675 | 0.1- | 0.9- | 890327 | 046 | 1.4+ | 0.3- | 921210 | 413 | 0.3+ | 0.1- |
| 871113 | 327 | 1.3- | 0.4+ | 890328 | 046 | 0.8- | 0.1- | 940211 | 675 | 0.6- | 0.3- |
| 871113 | 327 | 1.3+ | 0.3+ | 890328 | 046 | 0.1+ | 0.1+ | 940211 | 675 | 0.4- | 0.2- |
| 890302 | 413 | 1.0- | 0.5+ | 890429 | 413 | 1.6+ | 1.1+ | 940214 | 675 | 0.2- | 0.1+ |
| 890302 | 413 | 0.5+ | 0.5+ | 920827 | 675 | (3.4+ | 1.1+) | 940214 | 675 | 1.6- | 0.6+ |
| 890304 | 413 | 0.7- | 1.1+ | 920928 | 399 | 0.9- | 0.7+ | 940312 | 801 | 0.2- | 0.3+ |
| 890305 | 413 | 1.0+ | 0.5+ | 920928 | 399 | 0.2- | 1.5+ | 940312 | 801 | 0.0 | 1.3- |

(6039)* 1989 RS = 1983 TT₂ = 1990 YV

Discovered 1989 Sept. 3 by E. W. Elst at Haute Provence.

Id. H. Kaneda (*MPC* 17824)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.15670897 | ω 168.76658 | +0.99603376 +0.08514508 |
| <i>a</i> | 3.4072721 | Ω 186.51698 | -0.08841405 +0.97970182 |
| <i>e</i> | 0.0656351 | <i>i</i> 13.15339 | +0.00998476 +0.18147910 |
| <i>P</i> | 6.29 | <i>H</i> 11.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|-------|-------|--------|-----|------|------|--------|-----|-------|-------|
| 831004 | 688 | (0.5- | 3.0-) | 890929 | 809 | 0.1+ | 0.3- | 920102 | 801 | 1.4- | 0.2- |
| 831004 | 688 | 1.0+ | 0.4+ | 890929 | 809 | 0.5+ | 0.4- | 930319 | 809 | (3.1- | 0.7-) |
| 890903 | 511 | (1.2- | 2.7+) | 890930 | 809 | 0.2- | 0.6+ | 930319 | 809 | 1.5+ | 0.1+ |
| 890903 | 511 | (4.8- | 4.8+) | 890930 | 809 | 0.1- | 0.7+ | 930320 | 809 | 1.5- | 0.5- |
| 890904 | 511 | (2.9- | 3.1+) | 890930 | 809 | 0.2- | 0.9+ | 930324 | 809 | 0.9- | 0.9- |
| 890904 | 511 | (1.5- | 3.2+) | 891001 | 809 | 0.5- | 1.0+ | 940507 | 801 | 1.4+ | 0.4+ |
| 890905 | 511 | (1.1- | 4.0+) | 891001 | 809 | 0.4- | 0.9+ | 940511 | 801 | 0.0 | 0.1+ |
| 890907 | 511 | 0.2- | 1.6- | 891001 | 809 | 0.2- | 1.0+ | 940522 | 292 | 1.7- | 2.1+ |
| 890907 | 511 | (0.9- | 3.7-) | 901218 | 675 | 1.3+ | 1.0+ | 940522 | 292 | (2.2- | 2.8+) |
| 890928 | 809 | 0.8- | 1.6- | 901218 | 675 | 1.2- | 0.1+ | 940609 | 801 | 0.7+ | 0.3- |
| 890928 | 809 | 0.5- | 1.8- | 901219 | 675 | 0.6+ | 0.1- | 940609 | 801 | 0.9+ | 0.4+ |

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 890928 | 809 | 0.2- | 1.8- | 901219 | 675 | 2.3+ | 0.4- | 940611 | 801 | 0.4+ | 1.1- |
| 890929 | 809 | 0.2- | 0.1- | 920102 | 801 | 0.9- | 0.5- | 940611 | 801 | 0.5+ | 1.2- |

(6040)* 1990 DK₃ = 1990 DC = 1979 GF = 1991 PU₄

Discovered 1990 Feb. 24 by H. Debehogne at the European Southern Observatory.

Id. R. Nagata (*MPC* 17444), S. Nakano (*ibid.*), B. G. Marsden (*MPC* 18819)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.26439868 | ω 19.22441 | -0.99731414 +0.07240855 |
| <i>a</i> | 2.4041591 | Ω 164.91526 | -0.07151700 -0.93024628 |
| <i>e</i> | 0.1475981 | <i>i</i> 2.42752 | -0.01580573 -0.35972052 |
| <i>P</i> | 3.73 | <i>H</i> 14.6 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 790331 | 095 | 0.6- | 0.9- | 900224 | 809 | 1.1+ | 0.5+ | 910805 | 809 | 0.7+ | 1.9+ |
| 790401 | 809 | 0.4- | 0.6+ | 900225 | 809 | 1.4+ | 0.2- | 910805 | 809 | 0.9+ | 1.9+ |
| 790402 | 809 | 0.0 | 0.2+ | 900225 | 809 | 2.0+ | 0.4- | 921119 | 691 | 1.0- | 0.1+ |
| 900216 | 399 | 2.2- | 0.1- | 900225 | 809 | 2.5+ | 0.6- | 921119 | 691 | 0.4- | 1.4+ |
| 900216 | 399 | 0.8+ | 1.7- | 900227 | 809 | 0.4+ | 0.9+ | 921119 | 691 | 1.1- | 0.1+ |
| 900216 | 399 | 1.0- | 0.5+ | 900227 | 809 | 0.7+ | 1.0+ | 940414 | 675 | 1.6- | 1.1+ |
| 900218 | 399 | 1.2- | 1.1+ | 900227 | 809 | 1.2+ | 1.0+ | 940414 | 675 | 1.3- | 1.9+ |
| 900218 | 399 | 0.7- | 0.5- | 910803 | 809 | 1.5- | 0.8+ | 940515 | 801 | 0.7+ | 1.0- |
| 900218 | 399 | 1.0- | 1.9+ | 910803 | 809 | 0.9- | 0.3+ | 940515 | 801 | 0.8+ | 1.2- |
| 900224 | 809 | 0.1- | 0.4+ | 910803 | 809 | 1.2- | 0.7+ | | | | |
| 900224 | 809 | 0.4+ | 0.5+ | 910805 | 809 | 2.1+ | 0.9+ | | | | |

(6041)* 1990 KL = 1990 KV₃

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

Id. G. V. Williams (d, *MPC* 21791)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.25803501 | ω 102.28479 | +0.52586018 +0.84858894 |
| <i>a</i> | 2.4435260 | Ω 199.77206 | -0.83175704 +0.49875933 |
| <i>e</i> | 0.3282540 | <i>i</i> 9.87823 | -0.17790809 +0.17645379 |
| <i>P</i> | 3.82 | <i>H</i> 14.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|-------|-------|--------|-----|------|------|--------|-----|------|------|
| 900502 | 413 | 0.3+ | 2.1+ | 900628 | 675 | 0.8+ | 2.4- | 940610 | 801 | 0.4+ | 0.1+ |
| 900502 | 413 | 0.7- | 1.2+ | 900919 | 801 | 0.3- | 0.3- | 940610 | 801 | 0.3+ | 0.2+ |
| 900521 | 675 | (0.2- | 3.2+) | 900919 | 801 | 0.3- | 0.1+ | 940611 | 801 | 0.2- | 0.9+ |
| 900521 | 675 | 0.2+ | 1.3- | 900920 | 801 | 2.3- | 0.1- | 940611 | 801 | 0.3- | 0.1+ |
| 900523 | 675 | 0.6+ | 0.9- | 900921 | 801 | 1.0- | 0.6+ | 940622 | 657 | 0.1- | 0.1- |
| 900523 | 675 | 0.1+ | 0.8+ | 920202 | 688 | 0.4+ | 0.1- | 940622 | 657 | 0.0 | 0.2+ |
| 900524 | 095 | 0.2- | 1.0- | 920202 | 688 | 0.5+ | 0.0 | 940622 | 657 | 0.1+ | 0.1+ |
| 900620 | 413 | 0.6- | 0.9+ | 920205 | 688 | 0.4+ | 0.2+ | 940705 | 801 | 0.1- | 0.1+ |
| 900620 | 413 | 0.3- | 0.5+ | 920205 | 688 | 0.2+ | 0.4+ | 940705 | 801 | 0.1+ | 0.3+ |
| 900625 | 675 | 0.6+ | 1.2- | 930302 | 413 | 0.9- | 0.4+ | 940711 | 801 | 0.1+ | 0.2- |
| 900625 | 675 | 0.5+ | 1.0+ | 930302 | 413 | 1.1- | 0.7+ | 940711 | 801 | 0.1+ | 0.4+ |
| 900628 | 675 | 1.0+ | 1.1- | 940513 | 801 | 0.7- | 0.4+ | | | | |

(6042)* 1990 WW₂

Discovered 1990 Nov. 23 by A. Natori and T. Urata at the JCPM Yakiimo Station.

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| M 276.39856 | | | (2000.0) | | | Williams | | |
|-------------|-----------|-----------|-----------|----------|----------|-------------|-------------|--|
| <i>n</i> | <i>a</i> | <i>e</i> | <i>ω</i> | <i>Ω</i> | <i>i</i> | P | Q | |
| 0.18444938 | 3.0564543 | 0.4520200 | 286.07597 | 88.92566 | 15.84547 | +0.92941241 | -0.24832610 | |
| <i>P</i> | 5.34 | | <i>H</i> | 12.4 | | <i>G</i> | 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 790814 413 | 2.2+ | 1.9- | 901214 801 | 0.5+ | 0.4+ | 910210 801 | 0.4+ | 0.4- |
| 790814 413 | 0.4+ | 2.0- | 901214 801 | 0.2+ | 0.1- | 910212 887 | 0.7- | 0.8+ |
| 791126 413 | 1.8- | 2.0+ | 901214 885 | 1.6- | 0.2+ | 910212 887 | 0.7- | 2.2+ |
| 791126 413 | 0.6+ | 0.2+ | 901214 885 | 0.3+ | 1.5- | 910212 887 | 0.7- | 0.7+ |
| 840605 413 | 0.7- | 0.0 | 901223 885 | 1.4+ | 1.2- | 910217 801 | 0.6+ | 0.4- |
| 840605 413 | 0.4+ | 0.7- | 901223 885 | 0.7+ | 0.7- | 910217 801 | 1.0+ | 0.2+ |
| 840819 413 | 1.4- | 1.0+ | 910106 885 | 1.1- | 1.5- | 910219 889 | 0.5- | 0.7+ |
| 901118 675 | 1.1+ | 0.1- | 910111 675 | 1.0+ | 1.6- | 910219 889 | 1.2+ | 0.1+ |
| 901118 675 | 1.2+ | 0.5+ | 910111 675 | 0.4+ | 0.5- | 910318 801 | 0.8+ | 0.1+ |
| 901121 675 | 0.7+ | 0.0 | 910113 675 | 0.6- | 2.1- | 910318 801 | 0.5- | 0.1+ |
| 901121 675 | 1.4- | 1.2+ | 910113 675 | 0.5+ | 1.5- | 940501 413 | 0.3+ | 0.4- |
| 901123 885 | 2.1- | 1.2+ | 910114 801 | 0.6+ | 0.0 | 940501 413 | 0.4+ | 0.3- |
| 901123 885 | 0.0 | 2.1+ | 910114 801 | 0.7+ | 0.1+ | 940502 413 | 0.1+ | 0.4- |
| 901123 885 | 0.0 | 0.9+ | 910116 801 | 0.9+ | 0.3- | 940502 413 | 0.1+ | 0.6- |
| 901126 885 | 2.2- | 0.3+ | 910116 801 | 0.8+ | 0.3- | 940504 413 | 0.4+ | 0.2- |
| 901126 885 | 1.2- | 0.1- | 910117 885 | 1.3- | 1.2- | 940504 413 | 0.0 | 0.5- |
| 901210 885 | 0.2+ | 0.3- | 910117 885 | 0.6+ | 1.7- | 940617 413 | 0.5- | 0.4- |
| 901213 801 | 0.2+ | 0.0 | 910209 801 | 0.5+ | 0.3+ | 940617 413 | 0.1- | 0.3- |
| 901213 801 | 0.2+ | 0.1- | 910210 801 | 0.4+ | 0.4- | | | |

(6043)* 1991 RK₂ = 1973 SN₅ = 1982 BJ₁₄ = 1986 EK₃

Discovered 1991 Sept. 9 by S. Otomo at Kiyosato.
 Id. S. J. Bus (*MPC* 20026), G. V. Williams (*ibid.*)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| M 283.74532 | | | (2000.0) | | | Williams | | |
|-------------|-----------|-----------|-----------|-----------|----------|-------------|-------------|--|
| <i>n</i> | <i>a</i> | <i>e</i> | <i>ω</i> | <i>Ω</i> | <i>i</i> | P | Q | |
| 0.27085436 | 2.3658044 | 0.1417677 | 216.66661 | 146.25415 | 6.88885 | +0.99630612 | -0.05417163 | |
| <i>P</i> | 3.64 | | <i>H</i> | 13.5 | | <i>G</i> | 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 730927 095 | 1.3+ | 3.7- | 910916 675 | 0.0 | 0.5- | 911002 894 | 1.4+ | 1.0- |
| 820130 675 | 0.4+ | 0.2- | 910916 675 | 0.1- | 0.7+ | 911002 894 | 0.5+ | 1.9- |
| 820131 675 | 0.9- | 0.9- | 910917 675 | 0.6+ | 0.1+ | 940511 801 | 0.1+ | 0.5- |
| 860312 809 | 0.1- | 0.7- | 910917 675 | 0.3+ | 0.0 | 940511 801 | 0.1- | 1.0- |
| 910909 894 | 0.5- | 0.4- | 910919 894 | 1.5- | 1.6+ | 940513 801 | 0.5- | 1.1- |
| 910909 894 | 0.7- | 1.5+ | 910919 894 | 0.1- | 0.2- | 940513 801 | 0.4- | 0.6- |
| 910912 675 | 0.2- | 0.1+ | 910928 894 | 0.3+ | 0.1+ | 940616 691 | 0.0 | 0.6- |
| 910912 675 | 0.8+ | 0.3- | 910928 894 | 1.4- | 1.3- | 940616 691 | 0.5+ | 0.3+ |
| 910915 675 | 0.4+ | 0.2+ | 910929 413 | 0.1- | 0.5+ | 940616 691 | 0.2- | 0.2+ |
| 910915 675 | 0.3+ | 0.4+ | 910930 413 | 0.1- | 1.0+ | | | |

(6044)* 1991 RW₄ = 1977 RF₁₀ = 1987 YN₃

Discovered 1991 Sept. 13 by F. Börngen and L. D. Schmadel at Tautenburg.
 Id. B. G. Marsden (*MPC* 19314), D. W. E. Green (*ibid.*)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| M 276.98216 | | | (2000.0) | | | Marsden | | |
|-------------|-----------|-----------|-----------|----------|----------|-------------|-------------|--|
| <i>n</i> | <i>a</i> | <i>e</i> | <i>ω</i> | <i>Ω</i> | <i>i</i> | P | Q | |
| 0.21316556 | 2.7753943 | 0.1552485 | 307.11994 | 1.72518 | 8.89022 | +0.62692902 | +0.77906249 | |
| <i>P</i> | 4.62 | | <i>H</i> | 14.0 | | <i>G</i> | 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 710324 675 | (0.4- | 2.2-) | 871220 010 | 0.6+ | 0.8+ | 911004 033 | 0.7+ | 0.0 |
| 710325 675 | 1.5- | 1.0- | 871220 010 | (4.2+ | 3.0+) | 911004 033 | 0.6+ | 0.3- |
| 710325 675 | 1.0- | 0.8- | 910910 675 | 1.1+ | 0.0 | 911007 033 | 0.7+ | 0.1- |
| 710326 675 | 1.0+ | 0.1+ | 910910 675 | 0.4+ | 0.4- | 911007 033 | 0.1+ | 0.5- |
| 710327 675 | 0.1+ | 0.2- | 910913 033 | 0.8- | 1.1- | 911008 033 | 0.4+ | 0.2+ |
| 710402 675 | 1.4- | 0.8+ | 910913 033 | 0.8- | 0.3- | 911009 033 | 1.0+ | 0.4- |
| 710416 675 | 0.9- | 0.9- | 910913 033 | 0.6- | 0.1- | 940313 691 | 0.6- | 0.6- |
| 710416 675 | 0.5- | 0.6- | 910914 033 | 0.1- | 0.1- | 940313 691 | 0.3- | 0.3- |
| 710513 675 | (2.5+ | 0.7-) | 910915 033 | 0.2+ | 0.3+ | 940313 691 | 0.1- | 0.0 |
| 710514 675 | 1.6+ | 1.4- | 910915 033 | 0.9- | 0.1- | 940403 033 | 0.0 | 0.5+ |
| 770909 675 | (0.1- | 2.1-) | 910916 675 | 0.7- | 0.2- | 940403 033 | 1.0+ | 0.3+ |
| 770910 675 | 0.6+ | 0.4- | 910916 675 | (0.3- | 5.6-) | 940403 033 | 1.2+ | 0.5- |
| 871220 010 | 0.6- | 0.3- | 911003 033 | 0.4+ | 0.3- | 940404 033 | 1.1- | 0.3+ |

(6045)* 1991 RG₉ = 1971 OF₁ = 1980 FO₉ = 1990 DS₉ = 1993 BY₆

Discovered 1991 Sept. 11 by H. E. Holt at Palomar.
 Id. K. Ichikawa (*MPC* 22055), S. Nakano (*ibid.*)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| M 25.06301 | | | (2000.0) | | | Nakano | | |
|------------|-----------|-----------|----------|-----------|----------|-------------|-------------|--|
| <i>n</i> | <i>a</i> | <i>e</i> | <i>ω</i> | <i>Ω</i> | <i>i</i> | P | Q | |
| 0.29870207 | 2.2163783 | 0.1382269 | 85.98267 | 202.86278 | 3.08826 | +0.32245366 | +0.94635380 | |
| <i>P</i> | 3.30 | | <i>H</i> | 13.6 | | <i>G</i> | 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 710728 095 | 0.1+ | 1.7- | 910911 675 | 1.0+ | 1.5- | 930128 809 | 0.2+ | 1.0- |
| 710801 095 | (7.0- | 2.7-) | 910914 675 | 1.0+ | 1.6- | 930128 809 | 0.9- | 0.6- |
| 800316 095 | 0.2+ | 2.1- | 910914 675 | 1.4+ | 1.2- | 940610 801 | 0.7- | 0.8- |
| 900228 400 | 2.1+ | 0.6- | 911007 691 | 0.5- | 0.1+ | 940610 801 | 0.6+ | 0.4- |
| 900228 400 | 1.4- | 2.5- | 911007 691 | 0.6- | 0.3+ | 940711 801 | 0.2+ | 0.6- |
| 900317 400 | 0.8- | 0.3- | 911007 691 | 0.6- | 0.2+ | 940711 801 | 0.1- | 0.8- |
| 900317 400 | 1.1+ | 0.1- | 930123 809 | 0.1+ | 0.3- | 940712 801 | 0.3+ | 0.6- |
| 900321 400 | 1.4- | 0.6+ | 930123 809 | 0.6- | 0.7- | 940712 801 | 0.1+ | 0.4- |
| 900321 400 | 0.9- | 1.8- | 930123 809 | 1.3- | 0.9- | | | |
| 910911 675 | 1.0+ | 1.2- | 930128 809 | 0.2+ | 0.1- | | | |

(6046)* 1991 RF₁₄ = 1984 SS₂ = 1990 GR

Discovered 1991 Sept. 13 by H. E. Holt at Palomar.
 Id. G. V. Williams (*MPC* 19870)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| M 358.65658 | | | (2000.0) | | | Williams | | |
|-------------|-----------|-----------|----------|-----------|----------|-------------|-------------|--|
| <i>n</i> | <i>a</i> | <i>e</i> | <i>ω</i> | <i>Ω</i> | <i>i</i> | P | Q | |
| 0.28265450 | 2.2994931 | 0.1460030 | 92.94201 | 200.83359 | 6.92944 | +0.40056119 | +0.91526476 | |
| <i>P</i> | 3.49 | | <i>H</i> | 13.9 | | <i>G</i> | 0.15 | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------------|------|------------|------|------|------------|------|------|
| 840925 688 | 2.0+ | 3.0- | 910910 033 | 1.3+ | 0.6- | 911007 033 | 0.8+ | 0.1- |
| 840925 688 | (7.5+ 0.9-) | | 910913 675 | 0.9+ | 1.0- | 911008 033 | 1.0+ | 0.1- |
| 840928 688 | 0.4- | 2.6- | 910913 675 | 0.8- | 0.0 | 940507 801 | 0.2- | 1.5- |
| 840928 688 | (4.2+ 2.4-) | | 910915 675 | 0.4- | 1.5- | 940507 801 | 0.9- | 0.7- |
| 900415 809 | 0.0 | 1.5- | 910915 675 | 0.6+ | 0.6- | 940513 801 | 0.1+ | 0.4+ |
| 900416 809 | 0.4+ | 1.4- | 911004 303 | 1.7- | 1.7+ | 940513 801 | 0.5- | 1.6- |
| 900416 809 | 1.4- | 1.4- | 911005 303 | 0.8- | 0.4+ | 940607 596 | 1.2+ | 1.4+ |
| 900416 809 | 0.4+ | 1.4- | 911006 691 | 0.6- | 0.2- | 940607 596 | 0.5- | 0.5+ |
| 900417 809 | 0.5- | 1.5- | 911006 691 | 0.6- | 0.2+ | 940607 596 | 0.1+ | 0.5+ |
| 900417 809 | 1.3- | 1.1- | 911006 691 | 0.6- | 0.0 | 940609 801 | 0.0 | 0.6+ |
| 910909 033 | 0.5+ | 0.1+ | 911007 033 | 1.0+ | 0.4- | 940609 801 | 0.4+ | 0.2+ |

(6047)* 1991 TB₁

Discovered 1991 Oct. 10 by P. Rose at Palomar.

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|----------|-----------|
| <i>M</i> | 180.06775 | (2000.0) | |
| <i>n</i> | 0.56230568 | ω | 103.56708 |
| <i>a</i> | 1.4537433 | Ω | 6.26962 |
| <i>e</i> | 0.3521238 | <i>i</i> | 23.46802 |
| <i>P</i> | 1.75 | <i>H</i> | 17.1 |
| | | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------------|------|------------|-------------|------------|------------|------|------|
| 850320 675 | 1.4- | 1.1+ | 911014 675 | (3.8- 0.8+) | 920330 675 | 0.6+ | 0.5+ | |
| 850320 675 | 1.5+ | 1.1- | 911014 675 | 0.1- | 0.3- | 920422 413 | 0.6- | 0.1- |
| 910912 675 | 0.2- | 0.4- | 911014 413 | (3.6+ 0.3-) | 920422 413 | 0.6- | 0.4- | |
| 910915 675 | 0.1- | 1.7- | 911101 675 | 1.0+ | 0.5+ | 920524 413 | 0.2+ | 0.1- |
| 910915 675 | 0.3+ | 1.0- | 911101 675 | (3.1- 1.1+) | 920524 413 | 0.4+ | 0.3- | |
| 911002 675 | (5.6- 0.8+) | | 911104 801 | 1.6- | 0.3+ | 940501 413 | 0.1+ | 0.2- |
| 911002 675 | 0.2+ | 2.3- | 920314 776 | 0.5+ | 0.5+ | 940501 413 | 0.3+ | 0.7+ |
| 911010 675 | 1.7+ | 0.6- | 920314 776 | 0.0 | 0.5+ | 940501 413 | 0.5+ | 0.3- |
| 911010 675 | 1.1+ | 0.6- | 920314 776 | 0.1- | 0.2+ | 940502 413 | 0.3+ | 0.5- |
| 911011 675 | 0.0 | 1.1+ | 920315 776 | 0.7- | 0.4- | 940502 413 | 0.3+ | 0.7- |
| 911011 675 | 1.2+ | 0.2+ | 920315 776 | 0.7+ | 0.0 | 940617 413 | 0.4- | 0.2- |
| 911011 675 | 2.4+ | 0.8- | 920315 776 | 0.8- | 1.2- | 940617 413 | 0.6+ | 0.3- |
| 911012 675 | 0.1- | 0.9- | 920315 776 | 1.5- | 0.6- | | | |
| 911013 675 | 1.0- | 0.6+ | 920330 675 | 1.7- | 2.2- | | | |

(6048)* 1991 UC₁ = 1993 CM₁

Discovered 1991 Oct. 18 by S. Ueda and H. Kaneda at Kushiro.

Id. S. Nakano (*MPC* 21943)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Nakano | |
|----------|------------|----------|-----------|
| <i>M</i> | 141.87503 | (2000.0) | |
| <i>n</i> | 0.23533790 | ω | 316.86718 |
| <i>a</i> | 2.5982133 | Ω | 187.75287 |
| <i>e</i> | 0.0158051 | <i>i</i> | 7.08857 |
| <i>P</i> | 4.19 | <i>H</i> | 12.4 |
| | | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 491123 675 | 0.3+ | 0.2- | 911109 399 | 0.6- | 0.1- | 930318 399 | 1.0- | 1.2+ |
| 491123 675 | 0.1- | 0.6- | 911204 399 | 1.2+ | 1.1+ | 930318 399 | 0.7- | 0.8- |
| 911018 399 | 1.1+ | 0.4- | 911204 399 | 0.8- | 0.2- | 930424 801 | 0.6+ | 0.1- |
| 911018 399 | 0.4+ | 0.2- | 930215 399 | 0.4- | 0.7- | 930424 801 | 1.1+ | 0.0 |
| 911019 399 | 0.5+ | 1.6+ | 930215 399 | 0.9- | 0.7+ | 940515 801 | 1.1+ | 0.5- |
| 911019 399 | 0.7+ | 2.3+ | 930221 399 | 1.0+ | 0.7+ | 940515 801 | 0.2+ | 0.8+ |

| | | | | | | | | |
|------------|-------------|------|------------|------|------|------------|------|------|
| 911031 399 | 0.8- | 0.2+ | 930221 399 | 0.5+ | 0.3+ | 940611 801 | 0.5- | 1.0+ |
| 911031 399 | 0.2+ | 1.2- | 930225 399 | 1.6+ | 0.9- | 940611 801 | 1.1+ | 0.7+ |
| 911104 399 | 2.3- | 0.0 | 930225 399 | 0.8+ | 0.2+ | 940712 801 | 1.2- | 0.1+ |
| 911104 399 | (3.1- 1.8-) | | 930312 399 | 1.2- | 1.0+ | 940712 801 | 0.7- | 0.3+ |
| 911109 399 | (2.3- 3.3-) | | 930312 399 | 0.6- | 0.0 | | | |

**(6049)* 1991 VP = 1975 GR = 1976 SW₄ = 1982 DN₆ = 1987 SF₄
= 1990 KR₂**

Discovered 1991 Nov. 2 by A. Takahashi and K. Watanabe at Kitami.

Id. S. Nakano (*MPC* 19517)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Nakano | |
|----------|------------|----------|-----------|
| <i>M</i> | 358.36298 | (2000.0) | |
| <i>n</i> | 0.26648266 | ω | 136.01947 |
| <i>a</i> | 2.3916085 | Ω | 175.08969 |
| <i>e</i> | 0.1347889 | <i>i</i> | 2.43963 |
| <i>P</i> | 3.70 | <i>H</i> | 13.2 |
| | | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------------|------|------------|-------------|------|------------|------|------|
| 750415 805 | 0.7+ | 1.7+ | 900517 095 | 0.8- | 1.4- | 911106 691 | 1.4- | 1.0- |
| 760924 095 | 0.8- | 0.3+ | 900523 095 | (0.3- 3.9-) | | 911202 400 | 1.5+ | 1.2+ |
| 820227 010 | 2.0+ | 0.3+ | 900523 095 | 0.3- | 2.1- | 911202 400 | 0.4+ | 0.9- |
| 870917 095 | 0.2- | 2.0- | 911102 400 | 0.7- | 0.1- | 940609 801 | 0.8+ | 0.5+ |
| 870921 046 | (0.4+ 5.4-) | | 911102 400 | 2.2+ | 1.5+ | 940609 801 | 1.7+ | 0.9+ |
| 870921 046 | (2.3- 6.8-) | | 911104 400 | 0.7- | 1.0- | 940705 801 | 0.6- | 0.1+ |
| 870929 688 | 1.6+ | 2.1+ | 911104 400 | 0.9+ | 0.9- | 940705 801 | 1.1+ | 0.5- |
| 870929 688 | 0.9- | 1.3+ | 911106 691 | 1.3- | 1.2- | 940711 801 | 0.8- | 0.2+ |
| 900517 095 | 2.2- | 0.3- | 911106 691 | 1.2- | 1.0- | 940711 801 | 0.7- | 0.3+ |

(6050)* 1992 AE

Discovered 1992 Jan. 10 by Spacewatch at Kitt Peak.

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|----------|-----------|
| <i>M</i> | 317.00953 | (2000.0) | |
| <i>n</i> | 0.30147781 | ω | 284.58935 |
| <i>a</i> | 2.2027531 | Ω | 88.54802 |
| <i>e</i> | 0.4363249 | <i>i</i> | 6.40082 |
| <i>P</i> | 3.27 | <i>H</i> | 15.4 |
| | | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------------|------|------------|------|------|
| 920110 691 | 0.3- | 0.1- | 920126 691 | 0.6- | 0.0 | 920307 691 | 0.3+ | 0.1+ |
| 920110 691 | 1.7+ | 1.4+ | 920126 657 | 0.5+ | 2.2+ | 930226 691 | 0.3- | 0.1+ |
| 920110 691 | 0.1- | 0.2+ | 920126 657 | 0.1+ | 1.5+ | 930226 691 | 0.1+ | 0.1+ |
| 920110 691 | 0.0 | 0.4+ | 920126 657 | (3.5+ 2.5+) | | 930226 691 | 0.1+ | 0.0 |
| 920110 675 | 1.5+ | 0.3- | 920205 691 | 0.6- | 0.1- | 930303 691 | 0.3- | 0.2- |
| 920110 675 | 0.6+ | 1.2- | 920205 691 | 0.9- | 0.6- | 930303 691 | 0.2+ | 0.0 |
| 920113 691 | 0.1- | 0.4+ | 920205 691 | 0.5- | 0.2- | 930303 691 | 0.0 | 0.0 |
| 920113 691 | 0.1+ | 0.2- | 920206 801 | 1.7+ | 0.4- | 930303 691 | 0.1- | 0.1+ |
| 920113 691 | 0.1+ | 0.1- | 920207 801 | 0.7+ | 0.0 | 930303 691 | 0.1+ | 0.3- |
| 920113 691 | 0.3- | 0.0 | 920207 801 | 0.8+ | 0.1- | 930303 691 | 0.2+ | 0.0 |
| 920113 691 | 0.4+ | 0.8+ | 920207 658 | 1.3+ | 0.4+ | 940501 413 | 0.3- | 0.7+ |
| 920113 691 | 1.8- | 0.3- | 920207 658 | 0.7+ | 0.3- | 940501 413 | 0.1+ | 0.3+ |
| 920113 691 | 1.5- | 0.4- | 920224 691 | 0.7- | 0.2- | 940504 413 | 0.3- | 0.6+ |
| 920113 691 | 1.2- | 0.2- | 920224 691 | 0.9- | 0.1- | 940617 413 | 0.5+ | 0.3+ |
| 920126 691 | 0.9- | 0.4+ | 920307 691 | 0.4- | 0.9- | 940617 413 | 0.3+ | 0.6+ |
| 920126 691 | 0.9- | 0.1- | 920307 691 | 0.3+ | 0.4- | | | |

(6051)* 1992 BX₁ = 1981 CP

Discovered 1992 Jan. 30 by E. W. Elst at the European Southern Observatory.

Id. B. G. Marsden (*MPC* 20340)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Marsden | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 51.92131 | (2000.0) | | <i>P</i> | <i>Q</i> |
| <i>n</i> | 0.17495570 | ω | 111.19426 | -0.38301057 | +0.89647984 |
| <i>a</i> | 3.1660467 | Ω | 134.21651 | -0.92000690 | -0.34853174 |
| <i>e</i> | 0.1596551 | <i>i</i> | 18.10891 | -0.08300722 | -0.27358640 |
| <i>P</i> | 5.63 | <i>H</i> | 12.2 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | |
|------------------------|----------------------|----------------------|
| 810205 688 (2.0+ 3.8-) | 920206 809 0.6- 0.7+ | 930220 801 0.8- 0.4- |
| 810208 688 (1.6+ 3.1-) | 920206 809 0.4- 0.2- | 930220 801 0.2- 0.4- |
| 810208 688 0.1+ 1.4- | 920206 809 1.2- 0.3- | 940615 691 0.0 0.1+ |
| 920130 809 0.5+ 1.0- | 920211 809 0.8+ 0.9+ | 940615 691 0.0 0.2+ |
| 920130 809 0.6+ 0.7- | 920211 809 0.1+ 1.2+ | 940615 691 0.0 0.1+ |
| 920130 809 0.1- 1.2- | 930121 801 0.1- 0.1- | 940712 801 0.1+ 0.2+ |
| 920202 809 0.5+ 0.9+ | 930121 801 0.5- 0.6+ | 940712 801 0.1- 0.0 |
| 920202 809 0.3+ 0.6+ | 930126 801 0.7+ 0.2+ | 940713 801 0.1+ 0.3- |
| 920202 809 0.6- 0.1- | 930126 801 1.1+ 0.6+ | 940713 801 0.2- 0.6- |

(6052)* 1992 CE₁ = 1969 FG = 1977 SE = 1977 TF₂ = 1983 RE₄

Discovered 1992 Feb. 9 by K. Endate and K. Watanabe at Kushiro.

Id. H. Kaneda (*MPC* 20153)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 218.62927 | (2000.0) | | <i>P</i> | <i>Q</i> |
| <i>n</i> | 0.16838946 | ω | 280.58466 | -0.02267520 | -0.99768117 |
| <i>a</i> | 3.2478262 | Ω | 170.02067 | +0.99907989 | -0.02495073 |
| <i>e</i> | 0.0383570 | <i>i</i> | 21.73491 | +0.03640337 | +0.06332252 |
| <i>P</i> | 5.85 | <i>H</i> | 11.0 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | |
|------------------------|------------------------|----------------------|
| 690323 095 0.3- 1.5+ | 920209 400 2.2+ 0.7+ | 930218 801 0.1+ 1.0- |
| 770918 095 (4.8- 3.0+) | 920209 400 1.6+ 1.7+ | 930220 801 0.1+ 0.5- |
| 771007 095 (3.5- 4.6+) | 920224 400 0.9+ 1.6- | 930220 801 0.1- 0.6- |
| 830904 688 0.2+ 1.6- | 920224 400 (1.0+ 3.5-) | 930419 801 0.2+ 0.3+ |
| 830904 688 1.0- 1.9- | 920229 809 0.1+ 0.5- | 930419 801 0.6+ 0.5+ |
| 831009 688 2.0+ 0.2+ | 920303 809 0.3+ 0.1- | 930424 801 0.0 0.0 |
| 831009 688 0.3- 1.0+ | 920304 400 0.4+ 1.7- | 930424 801 0.1- 0.1+ |
| 920127 691 1.6- 0.5- | 920304 400 0.5+ 0.7+ | 940610 801 0.5- 0.2- |
| 920127 691 1.4- 0.5- | 920305 809 0.7+ 0.3+ | 940610 801 0.1- 0.1+ |
| 920127 691 1.1- 0.7- | 920308 809 0.8+ 0.3- | 940705 801 0.4- 0.1- |
| 920128 691 1.3- 0.2- | 920308 400 0.0 1.6+ | 940705 801 0.5- 0.1- |
| 920128 691 1.0- 0.7- | 920407 809 0.3- 0.7- | 940711 801 0.1+ 0.3+ |
| 920128 691 1.5- 0.6- | 930218 801 0.5+ 1.1- | |

(6053)* 1993 BW₃

Discovered 1993 Jan. 30 by R. H. McNaught at Siding Spring.

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 236.14692 | (2000.0) | | <i>P</i> | <i>Q</i> |
| <i>n</i> | 0.31306410 | ω | 74.48544 | +0.79200772 | -0.56017832 |
| <i>a</i> | 2.1480639 | Ω | 318.73052 | +0.31490745 | +0.71547499 |
| <i>e</i> | 0.5288129 | <i>i</i> | 21.59320 | +0.52302683 | +0.41748748 |
| <i>P</i> | 3.15 | <i>H</i> | 14.6 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | |
|------------------------|----------------------|----------------------|
| 760604 413 0.5- 0.7+ | 930217 657 0.1+ 0.0 | 930315 474 2.0+ 0.1- |
| 810425 413 (4.6+ 0.3-) | 930217 657 0.3- 0.4+ | 930315 474 2.3+ 0.4+ |
| 810425 413 0.2+ 0.1+ | 930217 474 1.7+ 0.3+ | 930323 801 0.4- 0.1+ |
| 930130 413 (3.4- 0.6-) | 930217 474 0.4+ 1.1+ | 930323 801 0.8- 0.6- |
| 930130 413 2.3+ 0.3+ | 930218 801 0.1- 0.3+ | 930323 474 0.1- 0.2+ |
| 930202 413 0.2- 0.2- | 930218 801 0.4- 0.1- | 930323 474 0.5+ 0.8+ |
| 930202 413 1.4- 0.2- | 930221 801 0.4- 0.3+ | 930510 413 0.0 0.6- |
| 930202 413 2.1- 0.4- | 930221 801 0.2+ 0.8- | 930510 413 0.1+ 0.7- |
| 930202 413 0.5+ 0.2- | 930222 658 0.8- 0.4- | 930511 413 0.5- 0.5- |
| 930203 413 1.1- 0.1+ | 930222 658 0.9- 0.5- | 930511 413 0.4- 0.4- |
| 930214 413 1.9+ 0.5- | 930301 413 0.6- 0.1+ | 940502 413 0.5- 0.1+ |
| 930215 474 0.5+ 0.5+ | 930301 413 0.4- 0.0 | 940502 413 0.4+ 0.2+ |
| 930215 474 (3.0+ 0.3+) | 930302 413 0.4- 0.1+ | 940504 413 0.1- 0.0 |
| 930216 474 0.5+ 0.3+ | 930302 413 0.6- 0.1+ | 940504 413 0.3- 0.5+ |
| 930216 474 1.1+ 0.9+ | 930303 413 0.6- 0.2+ | 940617 413 0.2- 1.0- |
| 930217 657 0.7- 0.7- | 930303 413 0.5- 0.1- | 940617 413 0.1- 0.3- |

(6054)* 4019 P-L = 1975 TH₁ = 1993 JH₁

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

Id. B. G. Marsden (*MPC* 22490)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Marsden | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 63.39860 | (2000.0) | | <i>P</i> | <i>Q</i> |
| <i>n</i> | 0.26319654 | ω | 54.95352 | +0.73477388 | +0.67727355 |
| <i>a</i> | 2.4114741 | Ω | 262.38375 | -0.63401721 | +0.66607854 |
| <i>e</i> | 0.1036868 | <i>i</i> | 2.16950 | -0.24110064 | +0.31247388 |
| <i>P</i> | 3.74 | <i>H</i> | 14.3 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | |
|----------------------|----------------------|----------------------|
| 550420 675 0.1+ 0.5- | 601024 675 0.4+ 0.2+ | 930515 809 1.1+ 0.3- |
| 550420 675 0.2- 0.2+ | 601026 675 0.6+ 0.6- | 930523 809 0.9- 0.2+ |
| 600924 675 0.5- 0.5+ | 751003 095 0.0 0.2- | 930523 809 1.2- 0.1- |
| 600925 675 0.1+ 0.6+ | 930514 809 0.9+ 0.0 | 930523 809 0.9- 0.2+ |
| 600926 675 0.2- 0.4+ | 930514 809 0.9+ 1.1+ | 930617 809 0.2+ 0.0 |
| 600928 675 0.1+ 0.3+ | 930514 809 0.5+ 0.7+ | 930617 809 0.7- 1.3- |
| 601017 675 0.8- 0.3- | 930515 809 0.1+ 0.4- | 930617 809 0.7- 0.4- |
| 601022 675 0.4+ 1.0- | 930515 809 0.9+ 0.2+ | |

(6055)* 2158 T-3 = 1986 LN₁ = 1989 GM₄

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

Id. S. Nakano (*MPC* 14631)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Nakano | | | |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 172.90163 | (2000.0) | | <i>P</i> | <i>Q</i> |
| <i>n</i> | 0.30654513 | ω | 358.27898 | +0.22024601 | +0.97499109 |
| <i>a</i> | 2.1784107 | Ω | 284.44370 | -0.89458550 | +0.18974360 |
| <i>e</i> | 0.1278380 | <i>i</i> | 1.75947 | -0.38885534 | +0.11571403 |
| <i>P</i> | 3.22 | <i>H</i> | 14.3 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | |
|----------------------|----------------------|------------------------|
| 771007 675 1.9+ 1.6- | 890403 809 1.3+ 1.6- | 920302 809 1.0- 1.8+ |
| 771011 675 0.8+ 1.3- | 890403 809 1.4+ 1.9- | 920305 809 (4.4- 2.4+) |
| 771011 675 0.1+ 0.6+ | 890403 809 1.5- 1.4- | 920309 809 1.6- 0.5- |
| 771012 675 0.1- 0.9+ | 890403 809 1.8- 0.9- | 930912 801 0.1- 1.9- |

| | | | | |
|----------------------|------------------------|------|------------------------|-----|
| 771012 675 0.0 0.1- | 890403 809 0.5- | 2.0- | 930912 801 0.6+ | 0.0 |
| 771016 675 0.1+ 2.1- | 890405 809 0.2- | 1.2- | 930915 809 (2.3+ 5.7+) | |
| 771016 675 0.4+ 1.4- | 890405 809 0.2+ | 0.0 | 930915 809 (2.1+ 5.2+) | |
| 771017 675 0.1+ 0.8- | 890405 809 0.5- | 0.4- | 930915 809 (0.7+ 5.1+) | |
| 771017 675 0.9- 0.4+ | 890405 809 0.5- | 0.6+ | 930917 809 (3.8+ 5.3+) | |
| 771021 675 0.7+ 1.2- | 890409 809 0.1- | 0.3- | 930917 809 (4.9+ 4.7+) | |
| 771021 675 0.6+ 0.9- | 890409 809 0.0 | 0.3+ | 930917 809 (3.6+ 4.4+) | |
| 771022 675 0.6- 0.4+ | 890409 809 0.2- | 0.5+ | 930920 033 0.2+ 0.5- | |
| 771022 675 0.9- 2.3+ | 890410 809 0.8- | 0.2+ | 930922 033 0.2- 0.5+ | |
| 860601 805 1.2- 1.9+ | 890410 809 0.8+ | 0.0 | 930922 033 0.6- 0.5- | |
| 860601 805 1.0- 1.3+ | 890410 809 1.7+ | 0.2- | 931012 801 0.2- 0.2+ | |
| 860601 805 0.2- 0.5- | 890411 809 1.0- | 0.5+ | 931012 801 0.2+ 0.2+ | |
| 860601 805 0.4+ 1.9- | 890411 809 1.5+ | 0.0 | 931017 033 0.4+ 0.0 | |
| 890403 809 1.2+ 0.8- | 890411 809 (2.8+ 0.8+) | | 931017 033 1.0+ 0.1+ | |

(6056)* 2318 T-3 = 1982 VZ₃ = 1989 GV₄

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

Id. S. Nakano (*MPC* 14632)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Nakano | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | 50.66056 | (2000.0) | |
| <i>n</i> | 0.22091727 | ω 9.93572 | -0.58158620 +0.81255526 |
| <i>a</i> | 2.7100852 | Ω 224.51521 | -0.75011195 -0.55415933 |
| <i>e</i> | 0.2261400 | <i>i</i> 3.17880 | -0.31478494 -0.18072463 |
| <i>P</i> | 4.46 | <i>H</i> 13.1 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | |
|----------------------|----------------------|------------------------|------|
| 771007 675 0.3+ 0.4- | 771021 675 1.1+ 0.3- | 890409 809 0.2- | 0.5- |
| 771011 675 0.4- 0.4+ | 771021 675 1.7- 1.4+ | 890409 809 0.2- | 0.6- |
| 771011 675 0.0 0.2+ | 771021 675 2.0+ 0.0 | 890409 809 0.3- | 0.4- |
| 771012 675 0.6- 0.3- | 771022 675 1.0+ 1.7+ | 911201 675 1.0- | 1.0- |
| 771012 675 0.4- 0.7- | 771022 675 0.2+ 0.9- | 911203 675 1.7+ | 2.1- |
| 771016 675 1.9+ 2.0- | 771022 675 0.5+ 0.9- | 911203 675 0.2+ | 2.0- |
| 771016 675 0.7- 1.2+ | 771022 675 0.8+ 0.7- | 911206 675 (3.3- 1.1+) | |
| 771016 675 0.8+ 2.2- | 821114 381 0.5- | 1.5+ | 0.1+ |
| 771016 675 0.2- 0.3+ | 821114 381 0.0 | 1.8+ | 1.0+ |
| 771017 675 0.5+ 0.2- | 890405 809 0.4- | 0.4- | 0.3- |
| 771017 675 1.3- 0.6+ | 890405 809 0.1+ | 0.8- | 0.7- |
| 771017 675 1.0- 0.0 | 890406 809 0.3- | 0.0 | 0.7- |
| 771017 675 0.2+ 1.0- | 890406 809 0.3- | 0.6- | 0.5- |
| 771021 675 1.9- 0.6+ | 890406 809 0.1+ | 0.4- | 0.4- |

(6057)* 5182 T-3 = 1980 FY₉ = 1993 KE

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

Id. G. V. Williams (*MPC* 22244)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | 308.36804 | (2000.0) | |
| <i>n</i> | 0.16315291 | ω 180.88288 | +0.99035157 +0.13038049 |
| <i>a</i> | 3.3169543 | Ω 171.19874 | -0.12518759 +0.98704533 |
| <i>e</i> | 0.1034617 | <i>i</i> 17.87101 | -0.05942924 +0.09350099 |
| <i>P</i> | 6.04 | <i>H</i> 11.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | |
|----------------------|----------------------|----------------------|
| 541205 675 0.5- 0.4- | 930523 565 2.5- 0.4- | 930527 589 1.3- 1.6- |
| 541205 675 0.1- 0.0 | 930523 587 0.2+ 0.5- | 930527 589 0.1- 0.3- |
| 771012 675 0.2+ 2.0- | 930523 571 0.6+ 0.2- | 930529 589 0.3+ 0.2- |
| 771012 675 0.3+ 1.2- | 930523 587 0.4+ 0.6+ | 930529 589 0.4+ 0.5- |
| 771016 675 1.3+ 2.1- | 930523 571 0.6+ 0.1+ | 930530 589 1.0+ 0.5+ |
| 771016 675 1.4+ 1.8- | 930523 565 2.4- 1.1- | 930531 589 0.0 0.3- |
| 771017 675 0.5- 0.1- | 930523 587 0.5+ 0.2+ | 930531 589 0.0 0.4- |
| 771017 675 1.1- 0.2+ | 930523 571 0.9+ 1.1+ | 930605 589 0.2- 0.4+ |
| 771021 675 1.2+ 0.1- | 930523 595 0.2- 0.1+ | 930605 589 0.3+ 1.3+ |
| 771021 675 0.5- 1.3+ | 930523 589 0.1+ 0.8+ | 930606 589 0.2- 0.2- |
| 771022 675 1.6- 1.2+ | 930523 595 0.2- 0.4+ | 930606 589 0.4+ 0.2+ |
| 771022 675 0.0 0.1+ | 930523 589 0.4+ 0.1- | 930607 589 0.4- 0.3- |
| 800316 095 1.8+ 0.7- | 930523 589 0.9+ 0.6- | 930607 589 0.8- 0.9+ |
| 920226 675 1.0+ 1.1- | 930523 589 0.1+ 0.2+ | 930610 589 0.7+ 0.1- |
| 920226 675 0.7- 1.2- | 930524 589 0.5- 0.5- | 930610 589 0.2+ 0.3- |
| 920407 809 1.2- 0.7+ | 930524 589 0.3- 0.5- | 930610 589 0.2- 0.5- |
| 930522 589 0.3+ 0.5+ | 930525 589 0.2- 0.3- | 940609 801 0.2+ 0.3- |
| 930522 589 0.1+ 0.2- | 930525 589 0.1- 0.4- | 940609 801 0.2+ 0.1- |
| 930522 589 0.6- 0.4- | 930525 587 0.1+ 0.4+ | 940610 801 0.0 0.4- |
| 930522 589 0.6- 0.5- | 930525 587 0.1+ 0.0 | 940610 801 0.4- 1.2- |
| 930522 589 0.4- 0.3+ | 930525 587 0.3+ 0.3+ | 940713 801 0.4+ 0.7+ |
| 930522 589 0.3+ 0.6- | 930525 587 0.7+ 0.3- | 940713 801 0.1+ 0.1- |

1969 OX = 1969 PZ = 1987 YF₂ = 1994 NM

Id. T. Urata, T. Ogiwara (d, *JAM* 1051)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Urata | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | 313.92873 | (2000.0) | |
| <i>n</i> | 0.23340670 | ω 211.28728 | +0.95760789 +0.23192297 |
| <i>a</i> | 2.6125253 | Ω 134.25896 | -0.18931823 +0.95374444 |
| <i>e</i> | 0.1789554 | <i>i</i> 13.80336 | -0.21713068 +0.19126755 |
| <i>P</i> | 4.22 | <i>H</i> 12.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | |
|-------------------------|------------------------|----------------------|
| 690717 095 1.5+ 0.3- | 880110 399 1.3- 1.3- | 940703 905 0.5- 0.5+ |
| 690808 095 (5.7- 10.6-) | 880110 399 0.1+ 1.6- | 940703 905 0.2- 0.3- |
| 690814 095 1.5- 0.8+ | 880110 399 1.3+ 0.3- | 940705 905 0.2- 0.3- |
| 871220 010 0.7+ 0.4- | 880111 399 (4.6- 1.1+) | 940705 905 0.0 0.5- |
| 871220 010 0.8+ 0.6+ | 880111 399 2.5- 1.6+ | 940710 905 0.8+ 1.6+ |
| 871220 010 1.8+ 0.7+ | 880111 399 0.9- 1.9+ | 940710 905 0.4+ 0.3- |

1976 YB₂ = 1990 UJ₁₁

Id. G. V. Williams (*MPC* 19289)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | 69.91691 | (2000.0) | |
| <i>n</i> | 0.27570975 | ω 290.17691 | +0.97196556 +0.22886174 |
| <i>a</i> | 2.3379468 | Ω 56.62837 | -0.18433999 +0.88404228 |
| <i>e</i> | 0.1197433 | <i>i</i> 3.70056 | -0.14595108 +0.40754330 |
| <i>P</i> | 3.57 | <i>H</i> 13.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | |
|----------------------|----------------------|----------------------|
| 761216 095 0.6- 0.1+ | 901016 095 1.7+ 1.8+ | 920307 809 0.3+ 0.3- |
| 761218 095 0.3+ 0.3+ | 901016 095 0.0 1.8- | 920406 809 0.8+ 0.4+ |
| 761220 095 1.2+ 1.1+ | 901023 095 1.6- 0.2- | |
| 770113 095 0.9- 1.4- | 920303 809 1.1- 0.2- | |

1978 NC = 1994 LM₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|----------|-------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>n</i> | 335.56038 | ω | 190.55726 |
| <i>a</i> | 0.24059697 | Ω | +0.55821810 |
| <i>e</i> | 2.5602121 | <i>i</i> | +0.71523288 |
| <i>P</i> | 0.1960806 | <i>H</i> | -0.72351208 |
| | 4.10 | <i>G</i> | +0.66770235 |
| | | | -0.40610691 |
| | | | -0.20643524 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|-------|-------|
| 780710 | 675 | 0.2+ | 0.8+ | 780827 | 413 | 0.2+ | 0.4- | 940612 | 675 | (4.5+ | 0.5+) |
| 780711 | 675 | 0.0 | 0.1+ | 780827 | 413 | 0.6+ | 0.0 | 940612 | 675 | 0.1+ | 1.9+ |
| 780713 | 675 | 0.7- | 1.3- | 940609 | 675 | 1.1+ | 1.1- | | | | |
| 780812 | 809 | 0.2- | 0.7+ | 940609 | 675 | 1.2- | 0.7- | | | | |

1978 NS = 1989 SR₉Id. H. Kaneda (*MPC* 16868)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|----------|-------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>n</i> | 347.91464 | ω | 276.40134 |
| <i>a</i> | 0.18736423 | Ω | +0.97707770 |
| <i>e</i> | 3.0246719 | <i>i</i> | +0.21275284 |
| <i>P</i> | 0.2052792 | <i>H</i> | -0.19207880 |
| | 5.26 | <i>G</i> | +0.89612843 |
| | | | -0.09178731 |
| | | | +0.38947408 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 780710 | 675 | 0.2+ | 0.4+ | 890925 | 809 | 0.1- | 0.2+ | 890928 | 809 | 0.3+ | 0.5- |
| 780711 | 675 | 0.5+ | 0.0 | 890925 | 809 | 0.3+ | 0.2+ | 920301 | 809 | 0.6+ | 0.9- |
| 780712 | 675 | 0.1- | 0.6- | 890925 | 809 | 0.5+ | 0.2+ | 920306 | 809 | 1.0- | 0.1+ |
| 780713 | 675 | 0.2+ | 0.1- | 890928 | 809 | 0.6- | 0.2- | | | | |
| 780714 | 675 | 0.7- | 0.0 | 890928 | 809 | 0.2- | 0.2- | | | | |

1978 UF₆ = 1978 RH₆ = 1994 GA₁₀Id. G. V. Williams (d, *MPC* 20807; unpublished)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|----------|-------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>n</i> | 318.17360 | ω | 280.25991 |
| <i>a</i> | 0.28864190 | Ω | +0.23755833 |
| <i>e</i> | 2.2675827 | <i>i</i> | +0.97134870 |
| <i>P</i> | 0.1327290 | <i>H</i> | -0.84112133 |
| | 3.41 | <i>G</i> | +0.20925700 |
| | | | -0.48588163 |
| | | | +0.11266416 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 780913 | 095 | 1.6+ | 0.8- | 781129 | 675 | 0.8- | 0.0 | 940403 | 033 | 0.3+ | 0.3+ |
| 781027 | 675 | 0.5+ | 0.2- | 940314 | 691 | 1.0- | 0.1- | 940403 | 033 | 1.2+ | 0.1- |
| 781028 | 675 | 0.3- | 0.1- | 940314 | 691 | 0.9- | 0.5- | 940404 | 033 | 0.3+ | 0.4+ |
| 781029 | 675 | 0.1- | 0.5+ | 940314 | 691 | 0.5- | 0.5- | | | | |
| 781128 | 675 | 0.9- | 0.1+ | 940403 | 033 | 0.4+ | 0.0 | | | | |

1979 MX₅ = 1980 WD₃Id. S. J. Bus (*MPC* 18803)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|----------|-------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>n</i> | 225.98487 | ω | 38.17238 |
| <i>a</i> | 0.28624510 | Ω | -0.91833793 |
| <i>e</i> | 2.2802231 | <i>i</i> | +0.39564401 |
| <i>P</i> | 0.1009339 | <i>H</i> | -0.37286483 |
| | 3.44 | <i>G</i> | -0.85546241 |
| | | | -0.13276767 |
| | | | -0.33414051 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 790623 | 413 | 0.3+ | 0.3+ | 790726 | 675 | 1.9+ | 1.4+ | 801201 | 675 | 0.1- | 0.3+ |
| 790624 | 413 | 1.1- | 0.1- | 790727 | 675 | 0.1+ | 0.9- | 920302 | 809 | 1.2- | 0.9+ |

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 790625 | 413 | 1.1- | 0.8+ | 790727 | 675 | 2.1+ | 0.5+ | 920304 | 809 | 0.4+ | 0.9+ |
| 790629 | 413 | 2.3- | 0.2+ | 790823 | 675 | 1.5- | 0.0 | 920307 | 809 | 0.8+ | 0.0 |
| 790724 | 413 | 0.9+ | 0.9- | 801129 | 675 | 0.1- | 0.6+ | 920406 | 809 | 0.3+ | 1.1- |

1979 QA₂ = 1993 FW₄₆

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Harada | |
|----------|------------|----------|-------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>n</i> | 110.31055 | ω | 203.23877 |
| <i>a</i> | 0.26638044 | Ω | -0.71449969 |
| <i>e</i> | 2.3922202 | <i>i</i> | +0.69958784 |
| <i>P</i> | 0.1406258 | <i>H</i> | -0.63829082 |
| | 3.70 | <i>G</i> | -0.64701434 |
| | | | -0.28648739 |
| | | | -0.30323144 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 790822 | 809 | 0.0 | 0.8- | 790823 | 809 | 1.1- | 1.0- | 930319 | 809 | 0.0 | 0.1- |
| 790822 | 809 | 1.3+ | 0.0 | 790826 | 809 | 0.1- | 0.6+ | 930320 | 809 | 0.3- | 0.3+ |
| 790822 | 809 | 0.2- | 1.0- | 790826 | 809 | 0.4+ | 0.9+ | 930324 | 809 | 0.4+ | 0.1- |
| 790823 | 809 | 0.3- | 0.1- | 790826 | 809 | 0.1+ | 1.5+ | | | | |

1981 EA₃₉ = 4118 P-LId. H. Kaneda (*MPC* 16229)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|----------|-------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>n</i> | 188.30890 | ω | 289.70658 |
| <i>a</i> | 0.26789965 | Ω | -0.48107818 |
| <i>e</i> | 2.3831678 | <i>i</i> | +0.87644629 |
| <i>P</i> | 0.1673623 | <i>H</i> | -0.79392630 |
| | 3.68 | <i>G</i> | -0.44529721 |
| | | | -0.37181287 |
| | | | -0.18317284 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|-------|-------|--------|-----|------|------|--------|-----|--------|-------|
| 600924 | 675 | 0.2- | 1.1- | 600928 | 675 | 0.4+ | 0.2- | 810316 | 413 | (11.5+ | 3.1-) |
| 600925 | 675 | (3.7- | 1.4-) | 810209 | 413 | 1.3+ | 0.7+ | 920303 | 809 | 1.9- | 0.3+ |
| 600925 | 675 | 1.0- | 0.6- | 810302 | 413 | 0.4- | 1.4+ | 920306 | 809 | 1.1+ | 0.3+ |
| 600926 | 675 | 0.4+ | 1.7+ | 810303 | 413 | 1.2+ | 1.6- | 920407 | 809 | 1.2+ | 0.0 |
| 600926 | 675 | 0.3- | 0.0 | 810307 | 413 | 0.8- | 0.7- | | | | |
| 600928 | 675 | 0.9+ | 0.3- | 810311 | 413 | 1.6- | 0.7- | | | | |

1982 RZ = 1989 NH = 1992 EX₆ = 1993 TB₂₉

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|----------|-------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>n</i> | 174.11974 | ω | 111.43496 |
| <i>a</i> | 0.27138578 | Ω | -0.22041708 |
| <i>e</i> | 2.3627149 | <i>i</i> | +0.96656627 |
| <i>P</i> | 0.1636785 | <i>H</i> | -0.95797448 |
| | 3.63 | <i>G</i> | -0.18923574 |
| | | | -0.18357888 |
| | | | -0.17303027 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|-------|-------|--------|-----|------|------|--------|-----|------|------|
| 820911 | 801 | 0.2+ | 0.7- | 890702 | 675 | 0.1- | 0.6- | 920404 | 809 | 0.5- | 0.1+ |
| 820912 | 801 | 0.6- | 0.3+ | 890704 | 675 | 0.2+ | 0.4+ | 931009 | 675 | 0.1+ | 0.1- |
| 820918 | 801 | 0.3+ | 0.7+ | 920301 | 809 | 0.6+ | 0.9- | 931009 | 675 | 0.2+ | 0.6- |
| 820920 | 801 | (6.4+ | 1.5+) | 920304 | 809 | 0.2+ | 0.5- | 931014 | 675 | 0.1+ | 0.9- |
| 890702 | 675 | 0.0 | 0.3- | 920309 | 809 | 0.7- | 0.3- | 931014 | 675 | 0.2- | 0.3- |

1984 SC₆ = 1994 CM₁₆

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|----------|-------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>n</i> | 280.83808 | ω | 209.43733 |
| <i>a</i> | 0.26482553 | Ω | +0.58604409 |
| <i>e</i> | 2.4015750 | <i>i</i> | +0.80823738 |
| <i>P</i> | 0.2083428 | <i>H</i> | -0.73164771 |
| | 3.72 | <i>G</i> | +0.55832718 |
| | | | -0.34820102 |
| | | | +0.18714458 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 840921 | 809 | 0.7- | 0.6+ | 840926 | 809 | 0.5+ | 0.7- | 840930 | 809 | 1.1+ | 0.1- |
| 840921 | 809 | 0.5- | 0.6+ | 840926 | 809 | 0.5+ | 0.4- | 841001 | 809 | 0.3+ | 0.3+ |
| 840921 | 809 | 0.4- | 0.6+ | 840927 | 809 | 0.6- | 0.2+ | 841001 | 809 | 0.4+ | 0.1- |
| 840922 | 809 | 0.7+ | 0.9- | 840927 | 809 | 0.6- | 0.3+ | 841001 | 809 | 0.7+ | 0.5- |
| 840922 | 809 | 1.3+ | 0.7- | 840927 | 809 | 0.3- | 0.7+ | 940208 | 809 | 0.4+ | 1.1+ |
| 840922 | 809 | 1.8+ | 0.9- | 840928 | 809 | 0.7- | 0.6- | 940208 | 809 | 0.7+ | 0.8+ |
| 840923 | 809 | 1.3+ | 0.1- | 840928 | 809 | 0.7- | 0.2- | 940208 | 809 | 0.3- | 0.2+ |
| 840923 | 809 | 1.4+ | 0.1- | 840928 | 809 | 0.7- | 0.0 | 940210 | 809 | 0.2- | 0.2+ |
| 840923 | 809 | 1.6+ | 0.4- | 840929 | 809 | 0.7- | 0.2+ | 940210 | 809 | 0.4+ | 0.8- |
| 840924 | 809 | 2.3- | 1.0+ | 840929 | 809 | 0.4- | 0.2+ | 940210 | 809 | 1.1+ | 0.1- |
| 840924 | 809 | 1.9- | 0.9+ | 840929 | 809 | 0.4- | 0.1+ | 940213 | 809 | 0.9+ | 0.2- |
| 840924 | 809 | 1.8- | 0.8+ | 840930 | 809 | 0.8+ | 0.1- | 940213 | 809 | 1.6- | 1.0- |
| 840926 | 809 | 0.2- | 0.7- | 840930 | 809 | 0.7+ | 0.2- | 940213 | 809 | 1.3- | 0.3- |

1985 PT = 1992 EP₅

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 22.22518 | | (2000.0) | P | Q |
|----------|------------|----------|-----------|-------------|-------------|
| <i>n</i> | 0.22656174 | ω | 201.35017 | +0.93974361 | +0.30989412 |
| <i>a</i> | 2.6648841 | Ω | 139.67884 | -0.27237029 | +0.93388902 |
| <i>e</i> | 0.2001248 | <i>i</i> | 12.89348 | -0.20663102 | +0.17837300 |
| <i>P</i> | 4.35 | <i>H</i> | 13.0 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 850814 | 688 | 1.6+ | 1.3+ | 850820 | 688 | 0.2- | 1.1+ | 920304 | 809 | 0.0 | 0.5+ |
| 850814 | 688 | 0.4- | 1.1- | 850914 | 688 | 0.0 | 0.2- | 920306 | 809 | 0.8+ | 0.9- |
| 850820 | 688 | 1.1- | 1.0- | 920301 | 809 | 0.3- | 1.1+ | 920404 | 809 | 0.4- | 0.5- |

1986 SD = 1972 RG₄ = 1972 TY₁₀ = 1994 JT₈

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 260.76464 | | (2000.0) | P | Q |
|----------|------------|----------|-----------|-------------|-------------|
| <i>n</i> | 0.21373882 | ω | 21.32058 | +0.99867600 | -0.04785149 |
| <i>a</i> | 2.7704296 | Ω | 341.39228 | +0.03431350 | +0.89310869 |
| <i>e</i> | 0.1085644 | <i>i</i> | 3.39221 | +0.03832525 | +0.44728861 |
| <i>P</i> | 4.61 | <i>H</i> | 13.0 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|-------|--------|--------|-----|------|------|
| 720908 | 095 | 0.6+ | 0.1+ | 861001 | 046 | 1.2+ | 0.5- | 940414 | 474 | 0.0 | 1.1- |
| 721004 | 095 | 0.6- | 0.4- | 861001 | 046 | 0.2- | 0.4- | 940415 | 474 | 0.4- | 0.3+ |
| 860927 | 026 | 1.1+ | 0.4+ | 861001 | 026 | (1.8+ | 3.8+)Y | 940415 | 474 | 1.4- | 0.2+ |
| 860929 | 046 | 0.3+ | 1.9+ | 861004 | 026 | (9.4+ | 6.0+)Y | 940504 | 474 | 0.2- | 0.2+ |
| 860929 | 046 | 0.9- | 0.8- | 861010 | 095 | 2.3- | 0.0 | 940504 | 474 | 0.6+ | 0.8+ |
| 860930 | 046 | 0.5+ | 0.1+ | 940414 | 474 | 0.5+ | 0.5- | 940505 | 474 | 1.1+ | 0.2- |
| 860930 | 046 | 0.1+ | 0.4- | 940414 | 474 | 1.1+ | 0.0 | 940505 | 474 | 1.2- | 0.2+ |

1987 MC = 1955 HB₁

Id. E. Bowell

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Marsden

| <i>M</i> | 0.29366 | | (2000.0) | P | Q |
|----------|------------|----------|-----------|-------------|-------------|
| <i>n</i> | 0.28035211 | ω | 125.51147 | +0.44596027 | +0.89480915 |
| <i>a</i> | 2.3120656 | Ω | 170.90119 | -0.85800681 | +0.43402817 |
| <i>e</i> | 0.2408859 | <i>i</i> | 7.58773 | -0.25484063 | +0.10457595 |
| <i>P</i> | 3.52 | <i>H</i> | 13.0 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 550421 | 675 | 0.1- | 1.5+ | 870630 | 552 | 1.4- | 1.7+ | 940615 | 552 | 0.0 | 0.0 |
| 550421 | 675 | 0.7+ | 0.1- | 870630 | 552 | 0.7+ | 1.8+ | 940616 | 552 | 0.9- | 1.2- |

| | | | | | | | | | | | |
|--------|-----|-------|-------|--------|-----|-------|-------|--------|-----|-------|-------|
| 870618 | 552 | 0.8- | 0.5+ | 870701 | 552 | 0.6+ | 0.9+ | 940616 | 552 | 0.2- | 1.3- |
| 870618 | 552 | 0.1+ | 0.6+ | 870701 | 552 | 0.8- | 1.6+ | 940616 | 552 | (0.1- | 2.8-) |
| 870621 | 552 | (0.3- | 2.1+) | 870704 | 552 | 1.4+ | 0.1- | 940617 | 552 | 0.4- | 0.4- |
| 870621 | 552 | (3.5- | 0.1-) | 870704 | 552 | (2.4+ | 2.6+) | 940617 | 552 | 0.2+ | 0.7- |
| 870622 | 552 | 1.7- | 0.7- | 870716 | 552 | 1.1- | 0.5- | 940617 | 552 | 0.0 | 0.2- |
| 870622 | 552 | (2.2- | 0.2+) | 870716 | 552 | 0.6- | 1.2- | 940617 | 552 | 0.3- | 0.4+ |
| 870623 | 552 | 0.7- | 1.5- | 870727 | 552 | 1.9+ | 0.1+ | 940618 | 552 | 0.3+ | 0.8- |
| 870623 | 552 | 0.7- | 0.6- | 870727 | 552 | 1.1+ | 0.1- | 940618 | 552 | 1.4- | 0.6+ |
| 870624 | 552 | 0.5- | 0.4- | 870801 | 552 | (0.2+ | 5.0+) | 940618 | 552 | 0.2- | 1.0- |
| 870624 | 552 | 0.5- | 0.5- | 870801 | 552 | (1.0- | 3.0+) | 940630 | 552 | 0.0 | 0.6- |
| 870625 | 552 | 0.2+ | 0.2+ | 870816 | 552 | 0.1+ | 0.6+ | 940630 | 552 | 0.1+ | 0.9+ |
| 870625 | 552 | 0.6- | 1.5- | 870816 | 552 | (1.5- | 2.9+) | 940630 | 552 | 1.2+ | 0.3+ |
| 870628 | 552 | 0.3+ | 0.3- | 870820 | 552 | (0.7+ | 4.4+) | 940630 | 552 | 0.3+ | 1.6- |
| 870628 | 552 | 0.7+ | 0.4- | 870820 | 552 | 0.7- | 0.1- | 940709 | 552 | 0.6+ | 0.2- |
| 870629 | 552 | 1.2+ | 1.9+ | 940615 | 552 | 0.2- | 0.1+ | 940709 | 552 | 1.5+ | 1.9+ |
| 870629 | 552 | 1.6+ | 1.9+ | 940615 | 552 | 0.1- | 0.4- | | | | |

1987 SG₃ = 1951 NQ

Id. E. Bowell

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Bardwell

| <i>M</i> | 7.53850 | | (2000.0) | P | Q |
|----------|------------|----------|-----------|-------------|-------------|
| <i>n</i> | 0.27537358 | ω | 120.94035 | +0.61292029 | +0.78861204 |
| <i>a</i> | 2.3398492 | Ω | 187.46470 | -0.79006199 | +0.61256830 |
| <i>e</i> | 0.3181351 | <i>i</i> | 22.24945 | +0.01143542 | +0.05339596 |
| <i>P</i> | 3.58 | <i>H</i> | 14.5 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|-------|-------|--------|-----|-------|-------|--------|-----|------|------|
| 510711 | 675 | 0.4- | 0.0 | 870926 | 095 | 0.7+ | 2.4- | 871022 | 413 | 0.9+ | 1.2+ |
| 510711 | 675 | 0.2+ | 1.0+ | 870929 | 688 | (1.9+ | 3.3-) | 871122 | 675 | 0.0 | 0.4- |
| 870917 | 095 | (0.7- | 7.6+) | 870929 | 688 | (5.9+ | 2.6+) | 871123 | 675 | 0.8+ | 0.5+ |
| 870920 | 675 | 1.7- | 0.6+ | 871017 | 675 | 0.2+ | 0.2+ | 940705 | 801 | 0.1- | 0.1- |
| 870920 | 675 | 0.2- | 0.3+ | 871018 | 675 | 0.8- | 0.3+ | 940705 | 801 | 0.1+ | 0.1- |
| 870926 | 675 | 0.1+ | 0.1+ | 871019 | 675 | 0.1- | 0.6+ | 940707 | 801 | 0.1+ | 0.2- |
| 870926 | 675 | 0.3- | 0.3- | 871022 | 413 | 0.9+ | 0.4- | 940707 | 801 | 0.0 | 0.3- |

1987 UZ₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

| <i>M</i> | 201.25668 | | (2000.0) | P | Q |
|----------|------------|----------|-----------|-------------|-------------|
| <i>n</i> | 0.38141220 | ω | 213.94537 | +0.24221067 | -0.92177458 |
| <i>a</i> | 1.8830983 | Ω | 224.30336 | +0.95829861 | +0.27606284 |
| <i>e</i> | 0.1070196 | <i>i</i> | 25.68825 | +0.15165013 | -0.27225159 |
| <i>P</i> | 2.58 | <i>H</i> | 14.5 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|-------|-------|--------|-----|------|------|--------|-----|------|------|
| 871019 | 675 | 0.7+ | 0.0 | 871123 | 675 | 0.2- | 0.8+ | 940513 | 675 | 0.7- | 0.8- |
| 871019 | 675 | 0.0 | 0.3+ | 871124 | 675 | 0.7- | 1.0- | 940604 | 413 | 0.3+ | 1.4+ |
| 871119 | 675 | 0.4+ | 1.0- | 871126 | 675 | 0.2- | 0.6+ | 940604 | 413 | 0.7+ | 1.3- |
| 871120 | 675 | (3.5- | 1.1-) | 940513 | 675 | 0.1- | 0.2+ | | | | |

1989 AE = 1950 TP₁ = 1980 TB₆ = 1991 RA₁₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kinoshita

| <i>M</i> | 214.38290 | | (2000.0) | P | Q |
|----------|------------|----------|-----------|-------------|-------------|
| <i>n</i> | 0.26229387 | ω | 125.86354 | +0.49662101 | -0.86698724 |
| <i>a</i> | 2.4170036 | Ω | 294.30981 | +0.78104586 | +0.46710722 |
| <i>e</i> | 0.1913660 | <i>i</i> | 2.59363 | +0.37859600 | +0.17362020 |
| <i>P</i> | 3.76 | <i>H</i> | 14.0 | <i>G</i> | 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------------|-------|------------|------------|-------------|------|
| 501013 024 | 0.2- | 0.5+ | 890105 897 | 0.5- | 0.4- | 910904 809 | 0.4- | 0.5- |
| 801008 095 | 0.4- | 1.0+ | 890106 399 | 1.1+ | 1.5- | 910905 809 | 0.2+ | 1.0- |
| 890103 897 | 0.2- | 0.7+ | 890106 399 | 0.5+ | 0.6- | 910905 809 | 0.4+ | 0.3- |
| 890103 897 | 1.1+ | 0.0 | 890112 897 | 1.2+ | 0.6- | 910905 809 | (3.7+ 1.0-) | |
| 890104 399 | 0.9+ | 0.7- | 890112 897 | 0.0 | 0.8+ | 910906 809 | 0.6+ | 0.3- |
| 890104 399 | 1.5- | 0.6- | 890116 897(28.3- | 1.1-) | 910906 809 | 0.4+ | 0.7+ | |
| 890104 399 | 1.0- | 0.3+ | 890116 897(20.0- | 3.4-) | 910906 809 | 0.4+ | 0.1+ | |
| 890104 399 | 1.5- | 0.6+ | 910904 809 | 0.1+ | 0.1- | 910907 809 | 0.7- | 1.0- |
| 890105 897 | 0.5- | 0.1+ | 910904 809 | 0.2- | 0.5- | 910907 809 | 0.1+ | 0.1- |

1989 GE₈ = 1976 JE₂ = 1992 AB₃ = 1993 OM₁₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Kinoshita | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.29808387 | ω 355.23846 | -0.58224272 -0.81065730 |
| <i>a</i> | 2.2194417 | Ω 130.35526 | +0.74858196 -0.56423596 |
| <i>e</i> | 0.1009481 | <i>i</i> 4.65710 | +0.31720415 -0.15643697 |
| <i>P</i> | 3.31 | <i>H</i> 14.1 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 760502 095 | 0.3- | 1.1- | 920111 303 | 0.3+ | 0.6- | 930723 809 | 0.7+ | 1.1- |
| 890406 033 | 0.0 | 0.5+ | 920112 303 | 0.5- | 0.2- | 930723 809 | 0.5- | 1.3- |
| 890407 033 | 0.8+ | 0.6+ | 930719 809 | 0.9- | 1.4+ | 930723 809 | 0.8+ | 1.2- |
| 890409 033 | 0.5- | 0.3+ | 930719 809 | 0.2+ | 0.9+ | | | |
| 890409 033 | 0.2+ | 0.4- | 930719 809 | 0.3- | 1.0+ | | | |

1989 UN₃ = 1994 LJ₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.17097997 | ω 219.99100 | +0.98134649 -0.19126234 |
| <i>a</i> | 3.2149377 | Ω 151.01802 | +0.18504515 +0.91232778 |
| <i>e</i> | 0.1770032 | <i>i</i> 2.29898 | +0.05212829 +0.36204521 |
| <i>P</i> | 5.76 | <i>H</i> 13.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------------|-------|------------|------------|------|------|
| 891030 095 | 1.1- | 1.6+ | 891105 494 (4.6- | 0.2-) | 940608 691 | 0.9- | 0.2- | |
| 891030 095 | 0.5+ | 0.6- | 891122 494 | 1.4+ | 0.7- | 940610 691 | 0.6+ | 0.2+ |
| 891031 494 | 0.4- | 0.2+ | 940608 691 | 0.7- | 0.1- | 940610 691 | 0.7+ | 0.3+ |
| 891031 494 | 0.5- | 0.4- | 940608 691 | 0.6- | 0.3- | 940610 691 | 0.9+ | 0.1+ |

1990 KM = 1972 JM₁ = 1994 NL

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.27470762 | ω 46.27164 | -0.25771360 +0.95174710 |
| <i>a</i> | 2.3436292 | Ω 210.01456 | -0.95428770 -0.27773613 |
| <i>e</i> | 0.0790298 | <i>i</i> 19.45625 | -0.15138917 +0.13053773 |
| <i>P</i> | 3.59 | <i>H</i> 13.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------------|-------|------------|------------|------|------------|------------|------|------|
| 720512 805 | 0.8- | 0.2+ | 900523 675 | 0.1- | 0.3- | 900627 675 | 0.5- | 0.9- |
| 720512 805 | 0.8+ | 0.0 | 900523 675 | 0.4- | 0.0 | 940710 693 | 0.6+ | 0.5+ |
| 720512 805 | 0.1- | 0.6+ | 900626 675 | 0.1- | 0.8+ | 940710 693 | 1.3- | 0.0 |
| 900521 675 (1.3- | 3.9-) | 900626 675 | 0.7- | 0.1+ | 940711 693 | 0.3+ | 1.2- | |
| 900521 675 | 0.9+ | 1.0- | 900627 675 | 1.0+ | 0.7+ | 940711 693 | 0.4+ | 0.6+ |

1990 OH

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Bardwell | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.22738117 | ω 132.76899 | +0.97288305 +0.18508921 |
| <i>a</i> | 2.6584779 | Ω 217.20246 | -0.21245162 +0.95219528 |
| <i>e</i> | 0.3022559 | <i>i</i> 13.26247 | +0.09144875 +0.24303526 |
| <i>P</i> | 4.33 | <i>H</i> 13.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 900722 675 | 0.5- | 1.0+ | 900817 675 | 0.1- | 0.3+ | 901023 675 | 0.9- | 1.2- |
| 900722 675 | 0.9+ | 0.4- | 900817 675 | 0.7+ | 1.1- | 940609 801 | 0.8+ | 0.5- |
| 900723 675 | 0.7- | 0.9+ | 900819 675 | 0.2+ | 1.0- | 940713 801 | 0.5- | 0.1- |
| 900723 675 | 0.5- | 1.1+ | 901023 675 | 0.8+ | 1.0+ | 940713 801 | 0.3- | 0.0 |

1990 QV₄ = 1987 BT₂Id. H. Kaneda (*MPC* 17214)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.18470114 | ω 284.56193 | +0.61570697 -0.77244616 |
| <i>a</i> | 3.0536763 | Ω 126.35791 | +0.77669911 +0.56163444 |
| <i>e</i> | 0.1065388 | <i>i</i> 11.14512 | +0.13282858 +0.29646869 |
| <i>P</i> | 5.34 | <i>H</i> 12.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 870128 809 | 1.0- | 0.2- | 900824 675 | 0.2- | 0.4+ | 940607 691 | 0.0 | 0.0 |
| 870128 809 | 1.6+ | 1.2- | 900824 675 | 0.1+ | 0.1+ | 940607 691 | 0.1- | 0.0 |
| 870129 809 | 0.6- | 0.3+ | 900826 675 | 0.4+ | 1.1- | 940614 691 | 0.3- | 0.2+ |
| 870129 809 | 1.1+ | 1.4- | 900826 675 | 0.5- | 0.4+ | 940614 691 | 0.4- | 0.1+ |
| 870130 809 | 1.3- | 1.4+ | 900829 675 | 0.1+ | 0.2+ | 940614 691 | 0.1+ | 0.3- |
| 870130 809 | 0.2+ | 1.2+ | 940607 691 | 0.6+ | 0.1+ | | | |

1990 RF₆ = 1992 CP₆ = 1993 FS₆₁ = 1994 LF₃

Id. E. Bowell (k), G. V. Williams

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.18801988 | ω 229.73407 | +0.80901499 -0.58746637 |
| <i>a</i> | 3.0176361 | Ω 166.20702 | +0.56100690 +0.76186087 |
| <i>e</i> | 0.2622098 | <i>i</i> 4.67768 | +0.17540242 +0.27285762 |
| <i>P</i> | 5.24 | <i>H</i> 14.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 900909 809 | 0.6- | 0.8+ | 900911 809 | 0.7+ | 0.3+ | 930319 809 | 0.9- | 0.1- |
| 900909 809 | 0.4- | 0.8+ | 900911 809 | 0.7+ | 0.4+ | 930320 809 | 0.8+ | 0.1- |
| 900909 809 | 0.1- | 0.8+ | 900914 675 | 2.0- | 2.6- | 940609 691 | 0.0 | 0.1- |
| 900910 809 | 1.1+ | 0.0 | 900914 675 | 1.7- | 1.7- | 940609 691 | 0.2- | 0.1- |
| 900910 809 | 0.9+ | 0.1+ | 920202 809 | 0.1- | 0.4- | 940609 691 | 0.1+ | 0.2- |
| 900910 809 | 1.2+ | 0.0 | 920202 809 | 0.2+ | 0.5- | | | |
| 900910 809 | 0.4+ | 0.5+ | 920202 809 | 0.2- | 0.2+ | | | |

1990 RC₈ = 1982 BV₉Id. H. Kaneda (*MPC* 19305)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | |
|----------|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | P | Q |
| <i>n</i> | 0.30337939 | ω 312.55519 | +0.04005230 -0.99718039 |
| <i>a</i> | 2.1935389 | Ω 135.02878 | +0.94104488 +0.01629472 |
| <i>e</i> | 0.0633037 | <i>i</i> 5.15154 | +0.33590229 +0.07325136 |
| <i>P</i> | 3.25 | <i>H</i> 15.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 820119 095 | 1.0- | 0.1- | 900914 809 | 0.0 | 0.6+ | 900915 809 | 1.1+ | 0.0 |
| 820120 095 | 0.9+ | 0.2- | 900914 809 | 0.4+ | 0.6+ | 920229 809 | 0.6+ | 0.7+ |
| 900826 809 | 0.9- | 0.7+ | 900914 809 | 1.1+ | 0.3+ | 920303 809 | 0.4- | 0.9+ |
| 900826 809 | 1.1- | 0.4- | 900915 809 | 0.4+ | 0.4+ | 920406 809 | 0.1+ | 0.9- |
| 900826 809 | 2.5- | 1.6- | 900915 809 | 1.0+ | 0.1+ | | | |

1990 SL₂ = 1993 MP₁

| | | | |
|---|------------|--------------------|-------------------------|
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | Williams | |
| <i>M</i> | 71.68531 | (2000.0) | |
| <i>n</i> | 0.27839775 | ω 251.38805 | +0.81759336 +0.56590311 |
| <i>a</i> | 2.3228735 | Ω 74.01613 | -0.47778901 +0.76977986 |
| <i>e</i> | 0.2030730 | <i>i</i> 6.34707 | -0.32133900 +0.29528400 |
| <i>P</i> | 3.54 | <i>H</i> 14.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|-------|-------|
| 900917 675 | 0.1+ | 1.0- | 901001 809 | 0.1- | 0.1- | 930617 809 | (4.0- | 0.6+) |
| 900917 675 | 0.1+ | 0.9- | 901001 809 | 0.3+ | 0.1+ | 930617 809 | (4.0- | 0.7+) |
| 900919 675 | 0.2+ | 2.0- | 901001 809 | 1.0+ | 0.0 | 930617 809 | (3.6- | 0.4-) |
| 900919 675 | 0.3+ | 0.7- | 930523 809 | 0.9- | 0.0 | 930620 675 | 1.5+ | 0.4+ |
| 900930 809 | 1.1- | 1.5+ | 930523 809 | 0.1+ | 0.1- | 930620 675 | 0.5+ | 0.7- |
| 900930 809 | 0.7- | 1.5+ | 930523 809 | 0.3- | 0.2+ | | | |
| 900930 809 | 0.3- | 1.5+ | 930616 675 | 0.9- | 0.6+ | | | |

1990 VW₆ = 1992 EZ₄

| | | | |
|---|------------|--------------------|-------------------------|
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | Williams | |
| <i>M</i> | 97.08633 | (2000.0) | |
| <i>n</i> | 0.28684079 | ω 235.69908 | +0.81330203 +0.57764754 |
| <i>a</i> | 2.2770651 | Ω 88.91930 | -0.50828607 +0.76369434 |
| <i>e</i> | 0.1776000 | <i>i</i> 3.99955 | -0.28316970 +0.28826079 |
| <i>P</i> | 3.44 | <i>H</i> 14.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 901111 809 | 1.8+ | 1.3- | 901116 385 | 0.9- | 1.4+ | 901122 385 | 0.6- | 0.3+ |
| 901111 809 | 2.1+ | 1.0- | 901117 809 | 1.7- | 1.3+ | 920226 691 | 0.4- | 0.5- |
| 901111 809 | 2.2+ | 0.9- | 901117 809 | 1.7- | 0.4+ | 920226 691 | 0.8- | 0.4- |
| 901111 385 | (4.5+ | 2.6+) | 901117 809 | 1.2- | 0.1+ | 920226 691 | 0.5- | 0.6- |
| 901111 385 | (3.2+ | 3.5+) | 901120 809 | 0.6+ | 0.6- | 920301 809 | 0.4- | 1.8+ |
| 901114 809 | 0.5+ | 1.7- | 901120 809 | 0.3+ | 0.4+ | 920304 809 | 0.1+ | 0.1+ |
| 901114 809 | (3.3+ | 1.6-) | 901120 809 | 0.5- | 1.2+ | 920306 809 | 1.1+ | 1.1- |
| 901114 809 | (3.5+ | 2.0-) | 901122 385 | 1.2- | 0.5+ | 920404 809 | 1.0+ | 0.4+ |

1990 WB₃ = 1992 EJ₇ = 1993 JN₁

| | | | |
|---|------------|--------------------|-------------------------|
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | Williams | |
| <i>M</i> | 325.34319 | (2000.0) | |
| <i>n</i> | 0.21623560 | ω 313.55208 | +0.87877010 -0.46786022 |
| <i>a</i> | 2.7490623 | Ω 74.54963 | +0.46118579 +0.78173668 |
| <i>e</i> | 0.0931018 | <i>i</i> 5.60740 | +0.12276312 +0.41230398 |
| <i>P</i> | 4.56 | <i>H</i> 12.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 901111 400 | 0.5+ | 2.4+ | 901121 400 | 0.1- | 2.5+ | 930515 809 | 0.4- | 0.8+ |
| 901111 400 | (4.6+ | 4.2+) | 901124 400 | 1.2+ | 0.6- | 930515 809 | 1.4- | 0.7+ |
| 901113 675 | 1.3- | 0.5- | 901124 400 | (3.5- | 1.3+) | 930515 809 | 1.9- | 0.6+ |
| 901113 675 | 0.6- | 1.0- | 901208 400 | 0.0 | 0.5+ | 930523 809 | 1.0+ | 0.5- |
| 901113 400 | 0.3+ | 0.6- | 901208 400 | 1.8- | 1.2+ | 930523 809 | 1.9+ | 0.0 |
| 901113 400 | 0.9+ | 1.5- | 920301 809 | 0.7+ | 0.6+ | 930523 809 | 1.4+ | 1.1- |

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 901114 675 | 0.8- | 0.3- | 920304 809 | 0.2+ | 0.3- | 930617 809 | 0.3+ | 1.2+ |
| 901114 675 | 0.6- | 0.0 | 920309 809 | 0.3+ | 0.2- | 930617 809 | 0.1- | 0.3+ |
| 901121 400 | 1.4+ | 0.5+ | 920404 809 | 1.2- | 0.1+ | 930617 809 | 0.0 | 0.8+ |

1991 AN₂ = 1936 OD = 1977 QK₄ = 1981 LL = 1992 EY₃

| | | | |
|---|------------|--------------------|-------------------------|
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | Williams | |
| <i>M</i> | 60.97201 | (2000.0) | |
| <i>n</i> | 0.24076134 | ω 173.25806 | +0.77590737 +0.60909265 |
| <i>a</i> | 2.5590467 | Ω 147.35703 | -0.59207944 +0.79297149 |
| <i>e</i> | 0.1784559 | <i>i</i> 17.72689 | -0.21773766 +0.01422519 |
| <i>P</i> | 4.09 | <i>H</i> 12.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 360716 024 | 0.0 | 1.5- | 910108 413 | 0.1+ | 1.0- | 920301 809 | 0.1+ | 1.2- |
| 770818 095 | 1.0- | 2.1- | 910112 413 | 1.1- | 1.3+ | 920304 809 | 0.5- | 1.3- |
| 810606 688 | 0.4- | 2.2- | 910117 413 | 0.7+ | 2.4- | 920306 809 | 0.6- | 1.7- |
| 810606 688 | 1.1+ | 2.4- | 910204 413 | 1.4+ | 1.0- | 920404 809 | 0.6- | 1.4- |
| 910107 413 | 0.5+ | 0.5- | 910204 413 | 1.1+ | 2.4- | | | |

1991 AQ₂ = 1993 PB₈

| | | | |
|---|------------|--------------------|-------------------------|
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | Williams | |
| <i>M</i> | 351.15525 | (2000.0) | |
| <i>n</i> | 0.25485293 | ω 178.17737 | -0.27770250 -0.96066644 |
| <i>a</i> | 2.4638237 | Ω 287.94576 | +0.88137958 -0.25430693 |
| <i>e</i> | 0.1728235 | <i>i</i> 0.06916 | +0.38216666 -0.11157052 |
| <i>P</i> | 3.87 | <i>H</i> 14.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 910115 033 | 0.4- | 1.4+ | 910209 675 | 2.0- | 1.2- | 930815 809 | 0.3+ | 0.4- |
| 910115 033 | 1.1+ | 0.8+ | 910209 675 | 1.0- | 0.1- | 930815 809 | 1.7- | 1.9- |
| 910115 033 | 0.5+ | 0.3+ | 910211 675 | 1.3+ | 2.0- | 930824 809 | 0.8+ | 1.3+ |
| 910115 033 | 0.5- | 0.1- | 910211 675 | 0.7+ | 0.9- | 930824 809 | 0.4+ | 0.2+ |
| 910116 033 | 0.1+ | 0.8+ | 930815 809 | 0.2- | 0.9- | 930824 809 | 0.9+ | 0.4+ |

1991 BM₁ = 1984 SG₈ = 1992 GF₅ = 1993 ON₁₂

| | | | |
|---|------------|--------------------|-------------------------|
| Id. K. Kinoshita | | | |
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | Nakano | |
| <i>M</i> | 32.56460 | (2000.0) | |
| <i>n</i> | 0.20386023 | ω 180.72072 | +0.98582300 +0.16766018 |
| <i>a</i> | 2.8592209 | Ω 169.62053 | -0.15376018 +0.91836707 |
| <i>e</i> | 0.0694951 | <i>i</i> 2.08773 | -0.06716265 +0.35845779 |
| <i>P</i> | 4.83 | <i>H</i> 13.4 | <i>G</i> 0.15 |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------|-------|------------|------|------|
| 840921 010 | 0.3+ | 0.8- | 920407 691 | 0.5- | 0.3+ | 930719 809 | 0.1+ | 1.1- |
| 910118 511 | 1.2- | 0.7- | 920407 691 | 0.4- | 0.0 | 930719 809 | 0.2- | 1.2- |
| 910118 511 | 0.5- | 2.2- | 920407 691 | 0.9- | 0.6+ | 930719 809 | 0.2+ | 1.4- |
| 910119 511 | 0.9- | 0.8+ | 930712 809 | (3.4+ | 4.7+) | 930723 809 | 1.1- | 0.1+ |
| 910119 511 | 0.3- | 1.0- | 930712 809 | (3.8+ | 4.7+) | 930723 809 | 1.3- | 0.1+ |
| 910120 511 | 0.6+ | 1.2- | 930712 809 | (3.6+ | 4.4+) | 930723 809 | 1.2- | 0.2+ |
| 910120 511 | 1.1+ | 1.8- | 930719 809 | (3.4+ | 2.0+) | 930723 809 | 0.2+ | 2.3- |
| 920405 675 | 1.3+ | 1.1- | 930719 809 | 1.5+ | 1.8+ | 930723 809 | 0.3+ | 2.3- |
| 920405 675 | 0.2+ | 0.0 | 930719 809 | 1.7+ | 1.4+ | 930723 809 | 0.6+ | 0.9- |

1991 FV₂ = 1959 LG = 1978 VQ₁ = 1987 AU

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Kinoshita | | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | 295.50149 | (2000.0) | P | Q | |
| <i>n</i> | 0.27570366 | ω 240.36476 | -0.16354778 | +0.98608979 | |
| <i>a</i> | 2.3379813 | Ω 20.28646 | -0.87298996 | -0.13066075 | |
| <i>e</i> | 0.1802734 | <i>i</i> 4.90558 | -0.45950043 | -0.10273607 | |
| <i>P</i> | 3.57 | <i>H</i> 13.7 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 590604 760 | 0.4- | 1.0- | 870108 010 | 0.2+ | 0.2+ | 910320 809 | 0.0 | 0.3- |
| 781101 010 | 0.2+ | 0.6- | 870108 010 | 0.9- | 0.3+ | 910321 809 | 0.4- | 0.7+ |
| 781101 010 | 1.6- | 0.8- | 910309 675 | 0.3- | 1.3- | 910321 809 | 0.4+ | 0.6+ |
| 781102 010 | 0.9+ | 0.8- | 910309 675 | 0.3+ | 0.8- | 910321 809 | 0.7+ | 0.5+ |
| 781102 010 | 1.2+ | 0.5- | 910320 809 | 0.9- | 0.4- | | | |
| 870108 010 | 1.1+ | 0.6+ | 910320 809 | 0.5- | 0.3- | | | |

1991 LH₁ = 1992 WM₆Id. G. V. Williams (*MPC* 23672)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | 295.22213 | (2000.0) | P | Q | |
| <i>n</i> | 0.27390565 | ω 179.84283 | +0.28737348 | +0.95696227 | |
| <i>a</i> | 2.3482016 | Ω 106.85781 | -0.87882755 | +0.28025004 | |
| <i>e</i> | 0.0970638 | <i>i</i> 2.42499 | -0.38089187 | +0.07538655 | |
| <i>P</i> | 3.60 | <i>H</i> 14.5 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 910518 809 | 2.2- | 0.9- | 910608 809 | 0.3+ | 0.2- | 940208 809 | 0.4+ | 1.5+ |
| 910518 809 | 2.9- | 0.7- | 921119 691 | 0.0 | 0.2- | 940208 809 | 0.5+ | 1.3+ |
| 910518 809 | 2.5- | 0.1- | 921119 691 | 0.1+ | 0.2- | 940210 809 | 1.3+ | 0.6+ |
| 910606 809 | 1.8+ | 0.6- | 921119 691 | 0.2+ | 0.0 | 940210 809 | 1.1- | 1.2+ |
| 910606 809 | 2.1+ | 0.7+ | 921120 691 | 0.0 | 0.4- | 940210 809 | 0.1+ | 1.1- |
| 910606 809 | 1.4+ | 1.3+ | 921120 691 | 0.1- | 0.3- | 940213 809 | 0.0 | 1.8- |
| 910608 809 | 0.9+ | 0.7- | 921120 691 | 0.1+ | 0.2- | 940213 809 | 0.9- | 1.6- |
| 910608 809 | 0.8+ | 0.1+ | 940208 809 | 1.9+ | 1.8+ | 940213 809 | 2.2- | 1.7- |

1991 RW

Id. E. F. Helin (1994 observations)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | 340.37716 | (2000.0) | P | Q | |
| <i>n</i> | 0.28144583 | ω 140.80031 | +0.62024322 | +0.77990968 | |
| <i>a</i> | 2.3060718 | Ω 166.79995 | -0.77979278 | +0.62464309 | |
| <i>e</i> | 0.1796933 | <i>i</i> 21.55636 | -0.08497983 | -0.03952086 | |
| <i>P</i> | 3.50 | <i>H</i> 14.0 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 910907 675 | 0.4+ | 0.1+ | 910915 675 | 0.1- | 0.1- | 911012 675 | 0.2- | 0.4+ |
| 910907 675 | 1.1- | 0.1- | 910916 675 | 1.0- | 0.3+ | 911012 675 | 0.2+ | 0.5- |
| 910909 675 | 1.7+ | 0.0 | 910916 675 | 1.0- | 0.3- | 940609 675 | 0.8- | 1.0+ |
| 910909 675 | 0.9- | 0.3+ | 910917 675 | 1.0+ | 0.2- | 940609 675 | 0.5- | 0.6- |
| 910914 675 | 0.3- | 0.1- | 910917 675 | 1.1+ | 1.5+ | 940612 675 | 1.3+ | 1.0- |
| 910914 675 | 0.3- | 0.4- | 911010 675 | 0.1+ | 0.4- | 940612 675 | 0.0 | 0.6+ |
| 910915 675 | 0.8+ | 0.8- | 911010 675 | 0.3- | 0.4+ | | | |

1991 RM₂ = A923 RE = 1994 NR

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

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Nakano | | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | 318.54088 | (2000.0) | P | Q | |
| <i>n</i> | 0.29008306 | ω 187.20139 | +0.99629380 | +0.08011338 | |
| <i>a</i> | 2.2600661 | Ω 168.06751 | -0.06941959 | +0.96385048 | |
| <i>e</i> | 0.2082713 | <i>i</i> 8.71079 | -0.05078957 | +0.25411433 | |
| <i>P</i> | 3.40 | <i>H</i> 13.4 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 230913 024 | 0.6+ | 2.4- | 910913 675 | 0.4+ | 0.2- | 911014 675 | 0.5+ | 0.9- |
| 230914 024 | (1.6+ | 8.3+) | 910916 675 | 0.4+ | 0.8- | 911014 675 | 0.7- | 1.7- |
| 910907 675 | 0.1- | 0.7+ | 910916 675 | 0.5+ | 1.1- | 940704 905 | 0.4- | 1.1- |
| 910908 675 | 0.6- | 2.1+ | 911001 691 | 0.7- | 0.9+ | 940704 905 | 0.4+ | 0.0 |
| 910908 675 | 0.5- | 0.0 | 911001 691 | 0.8- | 0.8+ | 940710 905 | 0.3+ | 1.2+ |
| 910911 675 | 0.1+ | 0.5+ | 911001 691 | 0.4- | 0.8+ | 940710 905 | 0.4- | 0.0 |
| 910911 675 | 0.0 | 0.3+ | 911011 675 | 1.3+ | 0.9+ | | | |
| 910913 675 | 0.5+ | 0.3- | 911011 675 | 0.4- | 0.3+ | | | |

1991 RW₁₉ = 1969 RE₁ = 1976 KP₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Kinoshita | | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | 336.33632 | (2000.0) | P | Q | |
| <i>n</i> | 0.26959494 | ω 44.71191 | +0.37510697 | +0.92617555 | |
| <i>a</i> | 2.3731666 | Ω 247.35422 | -0.86177834 | +0.33305917 | |
| <i>e</i> | 0.2003273 | <i>i</i> 2.40001 | -0.34151551 | +0.17683450 | |
| <i>P</i> | 3.66 | <i>H</i> 14.5 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|-------|-------|------------|------|------|
| 690913 095 | 0.5- | 1.2+ | 910912 808 | 0.1- | 0.4- | 910915 691 | 0.5- | 0.2- |
| 760529 413 | 0.5+ | 0.4- | 910912 808 | (3.7- | 3.0-) | 910915 691 | 0.4- | 0.2- |
| 760529 413 | 0.5+ | 0.4+ | 910914 675 | 0.5+ | 0.4- | 910917 675 | 1.1+ | 0.2- |
| 760530 413 | 0.3- | 0.2- | 910914 675 | 0.8+ | 0.6- | 910917 675 | 0.0 | 0.6+ |
| 760530 413 | 0.7- | 0.0 | 910915 691 | 0.8- | 0.1+ | | | |

1991 RN₂₇ = 1985 FM₁ = 1993 CF

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Kinoshita | | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | 120.60770 | (2000.0) | P | Q | |
| <i>n</i> | 0.23775381 | ω 178.03379 | -0.92138479 | -0.37848864 | |
| <i>a</i> | 2.5805824 | Ω 339.03967 | +0.35312750 | -0.72038445 | |
| <i>e</i> | 0.0347190 | <i>i</i> 14.29017 | +0.16233006 | -0.58119927 | |
| <i>P</i> | 4.15 | <i>H</i> 12.7 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 850322 688 | 0.4+ | 0.2- | 910913 675 | 0.5+ | 0.3- | 930213 402 | 0.1+ | 0.2- |
| 850322 688 | 0.5- | 0.2+ | 910917 675 | 0.3+ | 0.1- | 930214 402 | 0.2- | 0.4- |
| 910911 675 | 0.2- | 0.3+ | 910917 675 | 0.3- | 0.6+ | 930214 402 | 0.4- | 0.9- |
| 910911 675 | 0.4- | 0.6- | 930213 402 | 0.5+ | 1.5+ | | | |

1991 RR₃₀ = 1964 VP₂ = 1975 TP₄ = 1975 VW₆ = 1977 CS₂ = 1977 EH = 1986 TF₆ = 1994 CO₁₅

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | Williams | | | |
|----------|------------|-------------------|---------------|-------------|--|
| <i>M</i> | 139.34947 | (2000.0) | P | Q | |
| <i>n</i> | 0.17674802 | ω 14.05288 | +0.77201635 | -0.63366878 | |
| <i>a</i> | 3.1446067 | Ω 25.47445 | +0.57146326 | +0.65787618 | |
| <i>e</i> | 0.1365746 | <i>i</i> 6.61459 | +0.27824539 | +0.40701696 | |
| <i>P</i> | 5.58 | <i>H</i> 12.0 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|--------|-------|------------|-------|-------|------------|-------|-------|
| 641112 330 | (16.4- | 4.1-) | 861010 046 | (7.8- | 0.6-) | 940208 809 | (3.5+ | 1.1+) |
| 751014 095 | 0.9- | 0.1- | 861010 046 | (9.4- | 0.1-) | 940208 809 | (3.3+ | 1.8+) |

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|-------|-------|--------|-----|------|------|
| 751106 | 095 | 1.4- | 0.8- | 910907 | 399 | 0.7- | 0.6- | 940210 | 809 | 0.8+ | 0.7+ |
| 770211 | 675 | 0.6- | 1.2- | 910907 | 399 | 1.5+ | 0.5- | 940210 | 809 | 0.3+ | 0.9+ |
| 770212 | 675 | 0.4+ | 1.5- | 910915 | 675 | 0.8+ | 0.3+ | 940210 | 809 | 0.7- | 0.7+ |
| 770309 | 095 | 0.9+ | 0.8- | 910915 | 675 | 1.0+ | 0.6+ | 940213 | 809 | 0.1- | 0.1+ |
| 770313 | 095 | 1.2+ | 0.6+ | 910916 | 675 | (4.8+ | 3.8-) | 940213 | 809 | 0.5- | 0.2+ |
| 861003 | 095 | 0.9+ | 0.4- | 910916 | 675 | 2.3- | 0.0 | 940213 | 809 | 0.7- | 0.5+ |
| 861008 | 095 | 0.6+ | 1.8+ | 940208 | 809 | (4.1+ | 1.9+) | | | | |

1992 AO₂ = 1993 ON₁₁

| | | | | | | | |
|---|------------|----------|-----------|-------------|-------------|--|--|
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | Harada | | | |
| <i>M</i> | 191.68182 | (2000.0) | | P | Q | | |
| <i>n</i> | 0.25862007 | ω | 71.63923 | -0.97595739 | +0.17390352 | | |
| <i>a</i> | 2.4398394 | Ω | 118.19516 | -0.20839262 | -0.92115448 | | |
| <i>e</i> | 0.1400859 | <i>i</i> | 8.57392 | +0.06387249 | -0.34818384 | | |
| <i>P</i> | 3.81 | <i>H</i> | 14.4 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 920102 | 691 | 0.4- | 0.3+ | 920109 | 691 | 0.5- | 0.0 | 930712 | 809 | 0.3+ | 0.4+ |
| 920102 | 691 | 0.4- | 0.3+ | 920111 | 303 | 0.1- | 0.4+ | 930719 | 809 | 0.1+ | 0.2+ |
| 920102 | 691 | 0.4- | 0.1+ | 920112 | 303 | 1.9+ | 0.5- | 930719 | 809 | 1.1- | 0.4- |
| 920109 | 691 | 0.2- | 0.3- | 930712 | 809 | 0.4+ | 0.2+ | 930719 | 809 | 0.4- | 1.2- |
| 920109 | 691 | 0.1- | 0.5- | 930712 | 809 | 0.7+ | 0.6+ | | | | |

1992 EO₆ = 1990 SC₆

| | | | | | | | |
|---|------------|----------|----------|-------------|-------------|--|--|
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | Williams | | | |
| <i>M</i> | 293.25477 | (2000.0) | | P | Q | | |
| <i>n</i> | 0.22828913 | ω | 2.88586 | +0.56834135 | -0.81936380 | | |
| <i>a</i> | 2.6514242 | Ω | 52.49197 | +0.75299060 | +0.48119615 | | |
| <i>e</i> | 0.1959177 | <i>i</i> | 5.42810 | +0.33165232 | +0.31159786 | | |
| <i>P</i> | 4.32 | <i>H</i> | 14.5 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 900922 | 809 | 0.4+ | 0.3+ | 900925 | 809 | 0.4+ | 0.1- | 920309 | 809 | 0.0 | 0.0 |
| 900922 | 809 | 0.4+ | 0.1+ | 900925 | 809 | 0.9- | 0.2- | 920404 | 809 | 0.1- | 0.7- |
| 900922 | 809 | 0.7- | 0.1+ | 920301 | 809 | 0.2+ | 0.1+ | | | | |
| 900925 | 809 | 0.4+ | 0.4- | 920304 | 809 | 0.2- | 0.3+ | | | | |

1992 EB₇ = 1990 WG₄

| | | | | | | | |
|---|------------|----------|-----------|-------------|-------------|--|--|
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | Williams | | | |
| <i>M</i> | 100.01553 | (2000.0) | | P | Q | | |
| <i>n</i> | 0.22768822 | ω | 186.12947 | +0.12622742 | +0.98510532 | | |
| <i>a</i> | 2.6560873 | Ω | 91.16437 | -0.90511113 | +0.16254539 | | |
| <i>e</i> | 0.0592151 | <i>i</i> | 6.70685 | -0.40600553 | -0.05609365 | | |
| <i>P</i> | 4.33 | <i>H</i> | 13.5 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 901116 | 809 | 0.7- | 0.3+ | 920301 | 809 | 0.4+ | 0.1- | 920309 | 809 | 0.1+ | 0.0 |
| 901117 | 809 | 0.7+ | 0.3- | 920304 | 809 | 0.5- | 0.2+ | 920404 | 809 | 0.0 | 0.1- |

1992 EM₇ = 1975 TD₃ = 1990 XS₁

| | | | | | | | |
|---|------------|----------|-----------|-------------|-------------|--|--|
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | Williams | | | |
| <i>M</i> | 94.43959 | (2000.0) | | P | Q | | |
| <i>n</i> | 0.26669511 | ω | 287.89388 | +0.74244744 | +0.66651530 | | |
| <i>a</i> | 2.3903382 | Ω | 30.41346 | -0.55324352 | +0.66669972 | | |
| <i>e</i> | 0.1056475 | <i>i</i> | 7.63951 | -0.37774780 | +0.33356984 | | |
| <i>P</i> | 3.70 | <i>H</i> | 13.5 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 751003 | 095 | 0.4- | 0.1+ | 901214 | 801 | 0.1- | 0.3- | 920309 | 809 | 0.1- | 0.1- |
| 751013 | 095 | 0.4+ | 0.3- | 920301 | 809 | 0.1- | 0.5+ | 920404 | 809 | 0.4+ | 0.7- |
| 901214 | 801 | 0.0 | 0.4+ | 920304 | 809 | 0.2- | 0.2+ | | | | |

1992 EZ₇ = 1990 SZ₁₃

| | | | | | | | |
|---|------------|----------|-----------|-------------|-------------|--|--|
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | Williams | | | |
| <i>M</i> | 271.25902 | (2000.0) | | P | Q | | |
| <i>n</i> | 0.23248907 | ω | 274.84511 | +0.20155263 | -0.97751254 | | |
| <i>a</i> | 2.6193952 | Ω | 163.13599 | +0.96187442 | +0.18558367 | | |
| <i>e</i> | 0.1998897 | <i>i</i> | 12.34323 | +0.18486250 | +0.10013955 | | |
| <i>P</i> | 4.24 | <i>H</i> | 13.5 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 900923 | 809 | 0.0 | 0.1+ | 900924 | 809 | 0.5- | 0.1- | 920307 | 809 | 0.4+ | 0.7- |
| 900923 | 809 | 0.3+ | 0.2+ | 900924 | 809 | 0.2- | 0.6- | 920406 | 809 | 0.0 | 0.1+ |
| 900923 | 809 | 0.9+ | 0.2+ | 920302 | 809 | 0.4- | 0.5+ | | | | |
| 900924 | 809 | 0.6- | 0.2+ | 920304 | 809 | 0.1+ | 0.1+ | | | | |

1992 EM₈ = 1990 UP₅ = 1993 KR₂

| | | | | | | | |
|---|------------|----------|-----------|-------------|-------------|--|--|
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | Williams | | | |
| <i>M</i> | 308.34142 | (2000.0) | | P | Q | | |
| <i>n</i> | 0.21688102 | ω | 285.31635 | +0.80484660 | -0.58228377 | | |
| <i>a</i> | 2.7436056 | Ω | 110.42637 | +0.58059757 | +0.73244313 | | |
| <i>e</i> | 0.1270453 | <i>i</i> | 7.03349 | +0.12299763 | +0.35280686 | | |
| <i>P</i> | 4.54 | <i>H</i> | 14.0 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 901016 | 809 | 1.5+ | 0.2+ | 920226 | 691 | 0.3- | 0.2- | 920404 | 809 | 0.7- | 0.8+ |
| 901016 | 809 | 1.4+ | 0.3+ | 920226 | 691 | 0.3- | 0.1+ | 930519 | 691 | 0.2+ | 0.3+ |
| 901016 | 809 | 0.9+ | 0.3+ | 920226 | 691 | 0.9- | 0.1- | 930519 | 691 | 0.2- | 0.1+ |
| 901019 | 809 | 0.4- | 0.4- | 920302 | 809 | 0.8+ | 1.5+ | 930519 | 691 | 0.1+ | 0.1- |
| 901019 | 809 | 1.3- | 0.7- | 920305 | 809 | 0.4- | 0.0 | | | | |
| 901019 | 809 | 2.2- | 0.8+ | 920307 | 809 | 1.9+ | 1.8- | | | | |

1993 FX₁₄ = 1979 QB₃

| | | | | | | | |
|---|------------|----------|-----------|-------------|-------------|--|--|
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | Harada | | | |
| <i>M</i> | 307.95544 | (2000.0) | | P | Q | | |
| <i>n</i> | 0.18946292 | ω | 188.38945 | +0.96239992 | +0.26020115 | | |
| <i>a</i> | 3.0022941 | Ω | 156.08360 | -0.23672364 | +0.94420143 | | |
| <i>e</i> | 0.0893317 | <i>i</i> | 11.09087 | -0.13322282 | +0.20193815 | | |
| <i>P</i> | 5.20 | <i>H</i> | 12.6 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | | | | |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 790822 | 809 | 0.8- | 0.1- | 790823 | 809 | 0.7+ | 0.9+ | 930318 | 809 | 0.4+ | 1.0+ |
| 790822 | 809 | 0.8- | 0.1+ | 790823 | 809 | 0.9+ | 0.4- | 930323 | 809 | 0.0 | 0.1- |
| 790822 | 809 | 0.0 | 0.4- | 930317 | 809 | 0.4- | 0.9- | | | | |

1993 JV = 1978 GC₅ = 1982 BT₁₃ = 1989 QA₁

| | | | | | | | |
|---|------------|----------|-----------|-------------|-------------|--|--|
| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | Williams | | | |
| <i>M</i> | 11.47875 | (2000.0) | | P | Q | | |
| <i>n</i> | 0.20412140 | ω | 341.92976 | +0.92280681 | +0.38525673 | | |
| <i>a</i> | 2.8567815 | Ω | 355.40878 | -0.34999702 | +0.83593691 | | |
| <i>e</i> | 0.0686213 | <i>i</i> | 1.57370 | -0.16102692 | +0.39087943 | | |
| <i>P</i> | 4.83 | <i>H</i> | 12.5 | <i>G</i> | 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 780407 095 | 0.7+ | 1.5+ | 890828 888 | 1.8+ | 1.5+ | 930515 809 | 0.1- | 1.1- |
| 820130 675 | 0.4+ | 0.0 | 930514 809 | 0.7+ | 0.7- | 930617 809 | 1.3- | 2.3+ |
| 820131 675 | 0.2- | 0.6+ | 930514 809 | 0.9+ | 1.0- | 930617 809 | 0.2+ | 1.4+ |
| 890828 888 | (2.6+ | 3.5+) | 930514 809 | 0.0 | 1.4- | 930617 809 | 1.2- | 1.3+ |
| 890828 403 | 1.6- | 0.4+ | 930515 809 | 0.1- | 0.7- | | | |
| 890828 403 | 0.7- | 0.9- | 930515 809 | 0.9+ | 1.0- | | | |

1993 PC

Id. R. H. McNaught (1994 observations)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | | Nakano | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | (2000.0) | | P | Q | |
| <i>n</i> | 0.79467540 | ω 168.09562 | -0.82607879 | -0.56287580 | |
| <i>a</i> | 1.1543643 | Ω 337.58135 | +0.51091959 | -0.72731608 | |
| <i>e</i> | 0.4743857 | <i>i</i> 4.15808 | +0.23781296 | -0.39266035 | |
| <i>P</i> | 1.24 | <i>H</i> 18.2 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 930815 691 | 0.2+ | 0.0 | 930822 691 | 1.3- | 0.3- | 940612 474 | 0.9+ | 0.1+ |
| 930815 691 | 0.2+ | 0.5+ | 930822 691 | 0.9- | 0.1+ | 940612 474 | 0.1- | 0.2+ |
| 930815 691 | 0.1- | 0.3+ | 930824 413 | 0.7+ | 0.1- | 940616 474 | 0.4+ | 0.9+ |
| 930816 691 | 0.1+ | 0.2- | 930825 413 | 1.5+ | 0.2+ | 940616 474 | 0.1+ | 0.0 |
| 930816 691 | 0.2+ | 0.0 | 930914 691 | 0.9- | 0.1+ | 940617 413 | 0.0 | 0.3- |
| 930816 691 | 0.4+ | 0.0 | 930914 691 | 0.3+ | 0.4+ | 940617 413 | 0.1- | 0.9- |
| 930818 691 | 0.3+ | 0.3- | 930914 691 | 0.2- | 0.1+ | 940618 413 | 0.5- | 0.4+ |
| 930818 691 | 0.3+ | 0.5- | 930919 691 | 0.8- | 0.1- | 940618 413 | 0.5- | 0.4+ |
| 930818 691 | 0.5+ | 0.3- | 930919 691 | 0.6+ | 0.1+ | 940704 360 | 0.5- | 1.0- |
| 930822 691 | 1.2- | 0.1- | 930919 691 | 0.0 | 0.6+ | 940704 360 | 0.3- | 0.0 |

1993 QL₇ = 1982 JE₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | | Williams | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | (2000.0) | | P | Q | |
| <i>n</i> | 0.20156178 | ω 234.08887 | +0.96522692 | -0.25889410 | |
| <i>a</i> | 2.8809160 | Ω 140.87942 | +0.25450815 | +0.89905073 | |
| <i>e</i> | 0.0124655 | <i>i</i> 3.28956 | +0.05968747 | +0.35310286 | |
| <i>P</i> | 4.89 | <i>H</i> 14.0 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 820515 675 | 0.8+ | 0.9+ | 930815 809 | 0.2- | 0.3- | 930824 809 | 0.2- | 0.2- |
| 820516 675 | 0.6+ | 2.2- | 930815 809 | 1.2- | 0.5- | 930824 809 | 0.5- | 0.5- |
| 820516 675 | 2.4- | 1.2+ | 930820 809 | 1.4+ | 0.3+ | 930824 809 | 0.2- | 0.1- |
| 820517 675 | 0.9+ | 0.2+ | 930820 809 | 0.3- | 0.2+ | | | |
| 930815 809 | 0.8+ | 0.3+ | 930820 809 | 0.5+ | 0.7+ | | | |

1993 TY₃₈ = 1978 EF₁₀

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | | Williams | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | (2000.0) | | P | Q | |
| <i>n</i> | 0.23223220 | ω 269.41533 | +0.31400944 | -0.94851103 | |
| <i>a</i> | 2.6213263 | Ω 162.11333 | +0.91598215 | +0.29115313 | |
| <i>e</i> | 0.1493550 | <i>i</i> 7.77153 | +0.24974943 | +0.12472639 | |
| <i>P</i> | 4.24 | <i>H</i> 14.5 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 780315 675 | 0.1+ | 0.1- | 931009 809 | 0.5- | 0.1+ | 931021 809 | 0.4+ | 0.5- |
| 780316 675 | 0.1- | 0.1+ | 931011 809 | 0.9+ | 0.0 | 931021 809 | 0.4- | 0.3+ |
| 931009 809 | 0.0 | 0.9- | 931011 809 | 0.3+ | 0.1- | 931021 809 | 0.2- | 0.2+ |
| 931009 809 | 0.5- | 0.2+ | 931011 809 | 0.1- | 0.6+ | | | |

1993 UT₆ = 1982 FS₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | | Williams | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | (2000.0) | | P | Q | |
| <i>n</i> | 0.22698436 | ω 305.72850 | -0.57265076 | -0.81979493 | |
| <i>a</i> | 2.6615753 | Ω 179.19179 | +0.80053964 | -0.55990836 | |
| <i>e</i> | 0.1753226 | <i>i</i> 11.10500 | +0.17665615 | -0.12016200 | |
| <i>P</i> | 4.34 | <i>H</i> 13.5 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 820327 046 | 0.8+ | 1.2- | 931010 809 | 0.4- | 0.0 | 931020 809 | 0.2+ | 0.0 |
| 820327 046 | 0.6- | 1.7- | 931010 809 | 0.4- | 0.2- | 931021 809 | 0.4+ | 0.0 |
| 820327 046 | 0.9+ | 0.2+ | 931010 809 | 1.2- | 0.3- | 931021 809 | 0.2- | 0.6- |
| 820327 046 | 0.6- | 1.8+ | 931020 809 | 1.1+ | 0.8+ | 931021 809 | 0.7- | 0.3+ |
| 820328 046 | 0.5- | 0.9+ | 931020 809 | 1.1+ | 0.1+ | | | |

1994 AH₂

Id. D. J. Asher (1981 observations)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

| | | | Williams | | |
|----------|------------|--------------------|---------------|-------------|--|
| <i>M</i> | (2000.0) | | P | Q | |
| <i>n</i> | 0.24556928 | ω 24.83009 | -0.98551817 | +0.16347761 | |
| <i>a</i> | 2.5255348 | Ω 164.37879 | -0.16954227 | -0.95474661 | |
| <i>e</i> | 0.7114667 | <i>i</i> 9.62969 | +0.00305781 | -0.24846324 | |
| <i>P</i> | 4.01 | <i>H</i> 16.0 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 811216 413 | 0.6- | 1.0+ | 940319 413 | 0.2- | 0.0 | 940623 587 | 0.2+ | 0.1- |
| 811216 413 | 0.8+ | 0.5+ | 940319 413 | 0.6- | 0.1- | 940624 540 | 0.5- | 0.8- |
| 940105 413 | 2.0+ | 0.8- | 940322 413 | 0.2- | 0.1- | 940624 540 | 0.2+ | 0.9- |
| 940105 413 | 1.8+ | 1.5+ | 940328 587 | 1.4+ | 1.6- | 940624 540 | 0.7+ | 0.5- |
| 940107 413 | 0.2+ | 0.4- | 940328 587 | 0.2- | 0.8- | 940624 540 | 0.3+ | 1.0- |
| 940116 413 | 0.2- | 0.2+ | 940601 540 | 0.6+ | 1.2+ | 940624 540 | 0.4+ | 0.6- |
| 940121 413 | 0.2- | 0.6+ | 940601 540 | 1.5+ | 1.2- | 940624 540 | 0.5- | 0.9- |
| 940121 413 | 0.2- | 0.5+ | 940601 540 | 0.8+ | 0.1+ | 940624 540 | 0.8- | 1.7- |
| 940121 413 | 0.1- | 0.1- | 940601 540 | 0.3- | 1.1+ | 940624 540 | 1.6- | 0.9- |
| 940121 413 | 0.5- | 1.1+ | 940601 540 | 0.2+ | 1.6+ | 940625 540 | 0.2+ | 0.0 |
| 940121 413 | 0.6+ | 0.1+ | 940601 540 | 1.0+ | 1.0+ | 940625 540 | 0.1+ | 0.2+ |
| 940122 413 | 0.3+ | 0.1- | 940601 540 | 1.0+ | 1.5+ | 940625 540 | 0.2- | 0.1- |
| 940122 413 | 0.2+ | 0.1- | 940603 557 | 0.7- | 0.5+ | 940625 540 | 0.1- | 0.4- |
| 940122 413 | 0.7+ | 0.3- | 940603 557 | 0.6- | 0.6+ | 940629 657 | 0.1- | 0.7+ |
| 940122 413 | 0.5+ | 0.4- | 940603 557 | 0.3- | 0.9+ | 940629 657 | 0.2- | 0.3+ |
| 940123 413 | 0.5- | 0.3+ | 940603 557 | 0.4- | 0.8+ | 940629 657 | 0.3- | 0.6+ |
| 940123 413 | 0.5- | 0.2+ | 940603 557 | 0.1- | 0.2+ | 940701 540 | 0.1+ | 0.4+ |
| 940125 360 | 0.0 | 0.2- | 940603 557 | 0.7- | 0.5+ | 940701 540 | 0.0 | 0.0 |
| 940125 360 | 0.5- | 0.2- | 940608 540 | 1.0+ | 1.0+ | 940701 540 | 0.1+ | 1.0+ |
| 940129 385 | 0.3+ | 0.2- | 940608 540 | 0.5+ | 0.5+ | 940701 540 | 0.2- | 0.0 |
| 940129 385 | 0.1+ | 0.1- | 940608 540 | 0.5- | 1.9+ | 940701 540 | 0.3+ | 0.5+ |
| 940130 360 | 0.5- | 0.7+ | 940608 540 | 1.0- | 1.3+ | 940702 658 | 0.6- | 0.1+ |
| 940130 360 | 0.0 | 0.2- | 940608 540 | 0.4- | 1.8+ | 940702 658 | 0.6- | 0.3- |
| 940205 658 | 0.1- | 0.1- | 940608 540 | 0.5+ | 1.6+ | 940702 658 | 0.7- | 0.2+ |
| 940205 658 | 0.2- | 0.0 | 940614 557 | 0.2- | 0.1+ | 940702 540 | 1.0+ | 0.2- |
| 940205 658 | 0.2- | 0.1+ | 940614 557 | 0.2- | 0.0 | 940702 540 | 0.8+ | 0.5+ |
| 940208 658 | 0.0 | 0.1- | 940615 557 | 0.1- | 0.2+ | 940702 540 | 0.4+ | 0.3+ |
| 940208 658 | 0.5- | 0.3- | 940615 557 | 0.3- | 0.1+ | 940702 540 | 0.9- | 0.3+ |
| 940208 658 | 0.4- | 0.2+ | 940615 540 | 0.1- | 0.6+ | 940702 540 | 0.2+ | 0.3- |
| 940212 587 | 0.0 | 0.5+ | 940615 540 | 0.2+ | 0.8- | 940703 557 | 0.0 | 0.6- |

| |
|--|
| 940212 587 0.5+ 0.1+ 940615 540 0.1- 0.7+ 940703 557 0.1+ 0.1+ |
| 940212 587 0.4- 0.6+ 940615 540 1.1+ 1.5+ 940703 557 0.1- 0.2+ |
| 940216 104 0.8+ 1.6- 940620 557 0.1+ 0.3+ 940703 557 0.0 0.1+ |
| 940216 104 1.9- 0.3- 940620 557 0.1+ 0.6+ 940704 557 0.0 0.2+ |
| 940216 104 1.9- 1.4+ 940620 557 0.0 0.5+ 940705 801 0.3- 0.3- |
| 940216 104 (3.0- 2.8+) 940620 557 0.1+ 0.3+ 940705 801 0.3- 0.4- |
| 940220 413 0.4+ 0.4+ 940621 557 0.2+ 0.5+ 940706 557 0.2+ 0.1+ |
| 940220 413 0.9+ 0.8+ 940621 557 0.2+ 0.4+ 940706 557 0.4+ 0.1+ |
| 940304 360 0.4+ 0.5- 940622 657 0.3- 1.5- 940706 557 0.3+ 0.1+ |
| 940304 360 0.8+ 0.8- 940622 657 0.3- 1.0- 940706 557 0.4+ 0.0 |
| 940307 658 1.7- 0.4- 940622 657 0.3- 1.1- 940707 801 0.3+ 0.2+ |
| 940307 658 1.7- 0.5- 940622 540 0.2- 0.1- 940707 801 0.6+ 0.5+ |
| 940307 658 1.9- 0.6- 940622 540 0.1- 0.4- 940709 360 0.7+ 0.4- |
| 940310 557 0.3+ 0.2- 940622 540 0.4- 0.7- 940709 360 0.7+ 0.2- |
| 940310 557 0.3- 0.3+ 940622 540 0.7- 0.4- 940713 657 0.8+ 1.4+ |
| 940313 801 1.0- 0.8- 940623 587 0.2- 0.8+ 940713 657 0.6+ 0.7+ |
| 940313 801 0.3- 0.4+ 940623 587 0.1+ 0.0 |

1994 CC₁₈ = 1990 GK = 1990 HP₃ = 1992 SB₁₈Id. G. V. Williams (d, *MPC* 21832; unpublished)

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | Williams | |
|---|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>M</i> | 132.46972 | | |
| <i>n</i> | 0.24001374 | ω 55.45531 | +0.58531518 -0.81078962 |
| <i>a</i> | 2.5643579 | Ω 358.68558 | +0.65113936 +0.47381490 |
| <i>e</i> | 0.1741437 | <i>i</i> 12.92682 | +0.48313939 +0.34368537 |
| <i>P</i> | 4.11 | <i>H</i> 13.5 | <i>G</i> 0.15 |

Residuals in seconds of arc

| |
|--|
| 900415 809 2.5+ 0.5+ 920921 033 0.3+ 0.3+ 940210 809 0.8+ 0.3+ |
| 900416 809 0.5+ 0.7- 920921 033 0.3+ 0.2- 940210 809 0.2- 0.8- |
| 900416 809 0.8- 0.4- 920922 033 0.5- 0.1- 940210 809 1.6- 1.0- |
| 900416 809 0.2- 0.3+ 940208 809 0.1- 0.2+ 940213 809 0.0 0.1+ |
| 900417 809 0.5- 0.4+ 940208 809 1.1+ 0.6+ 940213 809 0.1- 0.1- |
| 900417 809 1.4- 0.2- 940208 809 0.5+ 0.7+ 940213 809 0.4- 0.1- |

1994 EO₂ = 1994 FO = 1975 TU = 1982 TJ₃Id. G. V. Williams (d, *MPC* 23494; unpublished), A. Lowe (d, *MPC* 23654)

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | Williams | |
|---|------------|-------------------|-------------------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>M</i> | 114.60257 | | |
| <i>n</i> | 0.28305884 | ω 77.09282 | +0.15058817 -0.98809358 |
| <i>a</i> | 2.2973028 | Ω 4.61002 | +0.68429792 +0.08116298 |
| <i>e</i> | 0.2836529 | <i>i</i> 23.09915 | +0.71348410 +0.13070445 |
| <i>P</i> | 3.48 | <i>H</i> 14.0 | <i>G</i> 0.15 |

Residuals in seconds of arc

| |
|--|
| 751003 095 0.8+ 0.8- 940321 413 0.2+ 0.5+ 940504 413 0.3- 0.9- |
| 821015 095 0.0 0.1+ 940322 413 0.4- 0.2- 940504 413 0.2- 0.9- |
| 940309 675 0.1+ 0.5+ 940322 413 0.3- 0.0 940504 413 0.3- 0.8- |
| 940309 675 1.3- 0.7+ 940402 413 0.1- 1.0+ 940619 413 0.4+ 0.8+ |
| 940310 675 0.8+ 1.4- 940402 413 0.5- 0.8+ 940619 413 0.3- 1.4+ |
| 940310 675 1.9+ 1.0- 940503 413 0.3- 0.5- |
| 940321 413 0.4- 0.1- 940503 413 0.2- 0.3- |

1994 FP

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | Williams | |
|---|------------|-------------------|-------------------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>M</i> | 96.98411 | | |
| <i>n</i> | 0.26475444 | ω 90.65234 | -0.11322298 -0.99266460 |
| <i>a</i> | 2.4020048 | Ω 6.33729 | +0.68794180 -0.10911219 |
| <i>e</i> | 0.2869372 | <i>i</i> 22.58798 | +0.71687979 -0.05207235 |
| <i>P</i> | 3.72 | <i>H</i> 15.5 | <i>G</i> 0.15 |

From 16 observations 1994 Mar. 13-June 20, mean residual 0''.52.

1994 GD

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | Williams | |
|---|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>M</i> | 285.90835 | | |
| <i>n</i> | 0.17508172 | ω 66.36776 | +0.48859756 +0.86020176 |
| <i>a</i> | 3.1645273 | Ω 233.68661 | -0.85192753 +0.43420373 |
| <i>e</i> | 0.0633082 | <i>i</i> 10.44132 | -0.18839295 +0.26743235 |
| <i>P</i> | 5.63 | <i>H</i> 11.5 | <i>G</i> 0.15 |

From 10 observations 1994 Apr. 1-June 20, mean residual 0''.45.

1994 GX

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | Williams | |
|---|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>M</i> | 326.91753 | | |
| <i>n</i> | 0.36369922 | ω 98.04519 | +0.07121266 +0.99706645 |
| <i>a</i> | 1.9437533 | Ω 175.72658 | -0.99712371 +0.07189203 |
| <i>e</i> | 0.0732087 | <i>i</i> 22.11928 | -0.02594365 -0.02626839 |
| <i>P</i> | 2.71 | <i>H</i> 15.5 | <i>G</i> 0.15 |

From 13 observations 1994 Mar. 12-June 20, mean residual 0''.90.

1994 JC

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | Williams | |
|---|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>M</i> | 28.90992 | | |
| <i>n</i> | 0.15849697 | ω 137.48980 | -0.93776732 -0.14818839 |
| <i>a</i> | 3.3815987 | Ω 37.68197 | -0.13058040 -0.68752949 |
| <i>e</i> | 0.5131371 | <i>i</i> 30.91550 | +0.32177819 -0.71087510 |
| <i>P</i> | 6.22 | <i>H</i> 15.0 | <i>G</i> 0.15 |

From 30 observations 1994 May 4-June 20, mean residual 0''.89.

1994 JN = 1990 OJ₁

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | Nakano | |
|---|------------|--------------------|-------------------------|
| <i>M</i> | (2000.0) | <i>P</i> | <i>Q</i> |
| <i>M</i> | 347.82568 | | |
| <i>n</i> | 0.23653011 | ω 86.92817 | +0.30877442 +0.94714586 |
| <i>a</i> | 2.5894752 | Ω 201.68360 | -0.93910353 +0.28908280 |
| <i>e</i> | 0.1960649 | <i>i</i> 13.62282 | -0.15080755 +0.13908941 |
| <i>P</i> | 4.17 | <i>H</i> 12.7 | <i>G</i> 0.15 |

Residuals in seconds of arc

| |
|--|
| 900720 675 0.7- 0.5+ 940506 400 0.1- 1.6- 940611 400 0.4- 0.9+ |
| 900720 675 0.4+ 0.6- 940506 400 1.3+ 1.1+ 940611 400 0.4+ 0.9- |
| 900722 675 0.3- 0.2+ 940507 400 0.4- 0.7+ |
| 900722 675 0.6+ 0.1- 940507 400 0.7- 0.2- |

1994 JX

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | Williams | |
|---|------------|--------------------|---------------|-------------|--|
| <i>M</i> | 21.91505 | (2000.0) | P | Q | |
| <i>n</i> | 0.21723873 | ω 192.20725 | -0.44723776 | +0.78367350 | |
| <i>a</i> | 2.7405930 | Ω 52.92701 | -0.76844412 | -0.09004154 | |
| <i>e</i> | 0.5798913 | <i>i</i> 32.70378 | -0.45768114 | -0.61461237 | |
| <i>P</i> | 4.54 | <i>H</i> 17.5 | <i>G</i> 0.15 | | |

From 49 observations 1994 May 3–June 20, mean residual 0".71.

1994 JF₁

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | Williams | |
|---|------------|--------------------|---------------|-------------|--|
| <i>M</i> | 14.29878 | (2000.0) | P | Q | |
| <i>n</i> | 0.24348443 | ω 153.23600 | +0.05093698 | +0.99729738 | |
| <i>a</i> | 2.5399310 | Ω 119.64203 | -0.92685747 | +0.06695052 | |
| <i>e</i> | 0.4813425 | <i>i</i> 3.49257 | -0.37194174 | -0.03025816 | |
| <i>P</i> | 4.05 | <i>H</i> 17.0 | <i>G</i> 0.15 | | |

From 54 observations 1994 May 14–July 13, mean residual 0".75.

1994 LW

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | Williams | |
|---|------------|--------------------|---------------|-------------|--|
| <i>M</i> | 6.47888 | (2000.0) | P | Q | |
| <i>n</i> | 0.17535913 | ω 54.39132 | +0.37466874 | +0.86157718 | |
| <i>a</i> | 3.1611890 | Ω 241.16272 | -0.92553774 | +0.32572336 | |
| <i>e</i> | 0.6193657 | <i>i</i> 23.01598 | -0.05480179 | +0.38934440 | |
| <i>P</i> | 5.62 | <i>H</i> 17.0 | <i>G</i> 0.15 | | |

From 86 observations 1994 June 3–July 13, mean residual 0".74.

1994 NE

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | (M-N) Williams | |
|---|------------|--------------------|---------------|----------------|--|
| <i>M</i> | 4.85677 | (2000.0) | P | Q | |
| <i>n</i> | 0.33920534 | ω 246.22484 | +0.88812552 | +0.10874297 | |
| <i>a</i> | 2.0362336 | Ω 104.98298 | +0.00345126 | +0.97000108 | |
| <i>e</i> | 0.6044999 | <i>i</i> 27.53350 | -0.45958802 | +0.21742327 | |
| <i>P</i> | 2.91 | <i>H</i> 20.0 | <i>G</i> 0.15 | | |

From 39 observations 1994 July 4–8, mean residual 1".26.

1994 NS = 1988 TH₃ = 1988 TC₅ = 1988 VR₆ = 1991 PV₂₀

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | Urata | |
|---|------------|--------------------|---------------|-------------|--|
| <i>M</i> | 16.98788 | (2000.0) | P | Q | |
| <i>n</i> | 0.30894564 | ω 78.90133 | +0.21787845 | +0.97490990 | |
| <i>a</i> | 2.1671119 | Ω 203.83190 | -0.93371140 | +0.19461402 | |
| <i>e</i> | 0.2395061 | <i>i</i> 6.48047 | -0.28409858 | +0.10805591 | |
| <i>P</i> | 3.19 | <i>H</i> 14.5 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|-------|-------|------------|------|------|------------|------|------|
| 881013 399 | 1.1+ | 1.4- | 881103 033 | 1.0- | 0.9+ | 940710 905 | 0.8+ | 0.1+ |
| 881013 399 | (5.6+ | 2.8+) | 881104 033 | 0.4+ | 0.4+ | 940710 905 | 0.6+ | 0.4+ |
| 881013 399 | (5.9+ | 4.6+) | 910807 675 | 0.3+ | 0.0 | 940711 905 | 0.1- | 0.1- |
| 881014 046 | (3.4- | 2.9-) | 910807 675 | 0.5- | 0.0 | 940711 905 | 1.2+ | 0.4- |
| 881014 046 | 0.2- | 1.7- | 940704 905 | 0.4- | 0.4+ | | | |
| 881103 033 | 0.2- | 2.1+ | 940704 905 | 1.9- | 0.2- | | | |

6513 P-L = 1992 EG₉

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | Williams | |
|---|------------|--------------------|---------------|-------------|--|
| <i>M</i> | 145.72377 | (2000.0) | P | Q | |
| <i>n</i> | 0.23638084 | ω 246.06257 | -0.36835282 | +0.92964125 | |
| <i>a</i> | 2.5905653 | Ω 2.38056 | -0.75291600 | -0.29253967 | |
| <i>e</i> | 0.1572785 | <i>i</i> 12.69626 | -0.54537483 | -0.22402607 | |
| <i>P</i> | 4.17 | <i>H</i> 14.0 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 600924 675 | 0.1- | 0.4- | 601017 675 | 0.1+ | 0.3+ | 920302 809 | 1.0+ | 0.5+ |
| 600926 675 | 0.9- | 0.7- | 601022 675 | 1.2- | 0.1+ | 920305 809 | 0.9- | 0.2+ |
| 600927 675 | 1.2+ | 0.3- | 601024 675 | 0.5+ | 0.5+ | 920307 809 | 0.4- | 0.1- |
| 600928 675 | 0.3+ | 0.5- | 601026 675 | 0.6+ | 0.5+ | 920404 809 | 0.0 | 1.2- |

3187 T-2 = 1971 BX = 1994 CE₁₇

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | Williams | |
|---|------------|-------------------|---------------|-------------|--|
| <i>M</i> | 151.61963 | (2000.0) | P | Q | |
| <i>n</i> | 0.25988965 | ω 30.21325 | +0.67964566 | -0.73266753 | |
| <i>a</i> | 2.4318870 | Ω 17.05682 | +0.64623415 | +0.57496338 | |
| <i>e</i> | 0.0977647 | <i>i</i> 7.00616 | +0.34707809 | +0.36416397 | |
| <i>P</i> | 3.79 | <i>H</i> 14.0 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 710125 095 | 0.3+ | 0.8+ | 730925 675 | 1.2- | 0.9- | 940208 809 | 0.0 | 0.7+ |
| 730919 675 | 0.7+ | 1.0+ | 730929 675 | 0.0 | 0.3+ | 940208 809 | 0.0 | 0.1- |
| 730919 675 | 0.2- | 0.4+ | 730929 675 | 0.8- | 0.0 | 940208 809 | 0.5- | 0.2+ |
| 730919 675 | 1.8+ | 1.8+ | 730930 675 | 0.3- | 0.6- | 940210 809 | 2.1+ | 0.4+ |
| 730919 675 | 0.1+ | 0.7+ | 730930 675 | 0.5+ | 0.1- | 940210 809 | 1.6+ | 0.8+ |
| 730920 675 | 0.2- | 1.1- | 731004 675 | 0.6- | 0.9- | 940210 809 | 2.0+ | 0.3+ |
| 730924 675 | 0.9- | 0.7- | 731004 675 | 1.5+ | 0.4+ | 940213 809 | 1.4- | 1.0- |
| 730924 675 | 1.7- | 0.3+ | 731005 675 | 0.9+ | 0.1- | 940213 809 | 1.7- | 1.3- |
| 730925 675 | 0.7- | 1.4- | 731005 675 | 1.5+ | 0.4+ | 940213 809 | 2.7- | 1.1- |

3149 T-3 = 1993 FZ₇₈

| Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 | | | | Williams | |
|---|------------|--------------------|---------------|-------------|--|
| <i>M</i> | 221.84270 | (2000.0) | P | Q | |
| <i>n</i> | 0.27915543 | ω 284.79741 | -0.15042417 | -0.98861506 | |
| <i>a</i> | 2.3186685 | Ω 173.85074 | +0.91941820 | -0.14122539 | |
| <i>e</i> | 0.1602555 | <i>i</i> 1.91638 | +0.36337686 | -0.05191967 | |
| <i>P</i> | 3.53 | <i>H</i> 15.5 | <i>G</i> 0.15 | | |

Residuals in seconds of arc

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 771007 675 | 2.1+ | 1.1- | 771016 675 | 0.1- | 0.3- | 771022 675 | 0.1+ | 0.4- |
| 771011 675 | 1.0- | 0.5+ | 771017 675 | 0.9- | 2.0+ | 930321 809 | 0.4- | 0.3+ |
| 771011 675 | 1.0- | 0.3+ | 771017 675 | 1.1- | 0.7+ | 930322 809 | 0.9+ | 0.9- |
| 771012 675 | 0.4+ | 0.5- | 771021 675 | 0.6- | 0.3- | 930418 413 | 0.4- | 0.7+ |
| 771012 675 | 0.5- | 0.3+ | 771021 675 | 0.2+ | 0.6+ | | | |
| 771016 675 | 0.4+ | 1.1- | 771022 675 | 1.8+ | 0.5- | | | |

4017 T-3 = 1982 BN₄

Id. S. Nakano (*MPC* 12702), K. Hurukawa (*ibid.*)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

Residuals in seconds of arc

| <i>M</i> | 187.97635 | (2000.0) | P | Q |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.30369394 | ω 213.76903 | -0.17149146 | +0.98286851 |
| <i>a</i> | 2.1920240 | Ω 46.45831 | -0.88204276 | -0.12264302 |
| <i>e</i> | 0.0513055 | <i>i</i> 5.34542 | -0.43885218 | -0.13757974 |
| <i>P</i> | 3.25 | <i>H</i> 14.5 | <i>G</i> 0.15 | |

| | | | | | | | | |
|------------|------|------|------------|------|------|------------|------|------|
| 771007 675 | 0.5- | 0.9+ | 771016 675 | 2.1- | 0.3- | 820126 381 | 1.5- | 0.3- |
| 771007 675 | 1.1+ | 0.7- | 771016 675 | 1.6- | 0.0 | 820128 381 | 0.2- | 1.9+ |
| 771011 675 | 2.2+ | 1.3+ | 771017 675 | 0.3- | 0.7- | 920309 809 | 0.1- | 0.2+ |
| 771011 675 | 1.0+ | 1.6+ | 771017 675 | 0.4+ | 0.6+ | 920404 809 | 0.0 | 0.4- |
| 771012 675 | 0.2- | 1.6- | 820126 381 | 0.6+ | 0.4+ | | | |
| 771012 675 | 0.1- | 1.3- | 820126 381 | 1.2+ | 2.0- | | | |

| Object | <i>H</i> | Epoch | <i>M</i> | ω | Ω | <i>i</i> | <i>e</i> | <i>a</i> | Obs. | Opp. | Arc | rms | Computer | <i>MPC</i> | Object |
|-----------------------|----------|--------|-----------|-----------|-----------|----------|-----------|-----------|------|------|-----------|------|----------|------------|-----------------------|
| 1934 RB | 12.5 | 940905 | 336.29483 | 129.43127 | 163.66737 | 5.98914 | 0.1859611 | 2.2447950 | 23 | 4 | 1934-1994 | 1.20 | Williams | 23682 | 1934 RB |
| 1938 SX | 12.5 | 940905 | 314.56417 | 190.54446 | 141.26685 | 2.60307 | 0.2667982 | 2.5440473 | 22 | 6 | 1938-1994 | 1.14 | Williams | 23667 | 1938 SX |
| 1952 QW | 14.0 | 940905 | 9.66045 | 267.08377 | 111.30843 | 6.06066 | 0.3023633 | 2.2948434 | 18 | 4 | 1952-1993 | 0.86 | Williams | 22429 | 1952 QW |
| 1953 GN | 13.5 | 940905 | 67.60571 | 38.30067 | 165.37191 | 5.80941 | 0.1312832 | 2.2590127 | 15 | 3 | 1953-1994 | 0.83 | Williams | 23682 | 1953 GN |
| 1970 WD | 13.5 | 940905 | 284.32529 | 125.70067 | 257.28507 | 7.31535 | 0.1219962 | 2.3212252 | 22 | 4 | 1970-1994 | 0.93 | Bardwell | 22072 | 1970 WD |
| 1971 TF | 13.0 | 940905 | 4.48227 | 35.91100 | 348.93081 | 2.10597 | 0.1783768 | 2.4355302 | 25 | 5 | 1971-1992 | 0.82 | Williams | 23131 | 1971 TF |
| 1972 HL | 12.5 | 940905 | 9.76432 | 57.36497 | 213.62579 | 16.73110 | 0.2518858 | 3.0980819 | 30 | 4 | 1972-1994 | 0.96 | Bardwell | 23682 | 1972 HL |
| 1974 RV ₁ | 13.5 | 940905 | 20.67447 | 351.78070 | 300.36944 | 3.00474 | 0.1389206 | 2.2475680 | 18 | 5 | 1974-1994 | 0.81 | Williams | 22221 | 1974 RV ₁ |
| 1975 SR | 15.5 | 940905 | 49.20010 | 164.94356 | 190.37970 | 2.41026 | 0.2491164 | 2.3944091 | 34 | 4 | 1975-1993 | 0.95 | Williams | 22491 | 1975 SR |
| 1976 GH ₂ | 12.5 | 940905 | 10.88783 | 143.56808 | 167.29144 | 1.33156 | 0.1288626 | 3.1493583 | 17 | 5 | 1976-1994 | 0.80 | Williams | 17012 | 1976 GH ₂ |
| 1976 SZ ₉ | 13.0 | 940905 | 31.60659 | 20.36538 | 11.92430 | 3.78445 | 0.2067437 | 3.1935529 | 43 | 4 | 1976-1993 | 1.14 | Williams | 23347 | 1976 SZ ₉ |
| 1976 UG ₂ | 14.5 | 940905 | 278.86923 | 23.44196 | 326.76539 | 2.21962 | 0.1999664 | 2.4377111 | 13 | 3 | 1953-1991 | 0.67 | Williams | 23535 | 1976 UG ₂ |
| 1976 UG ₁₅ | 14.5 | 940905 | 317.97662 | 228.37521 | 137.91281 | 2.85456 | 0.2221520 | 2.3862176 | 27 | 4 | 1976-1994 | 0.86 | Williams | 23535 | 1976 UG ₁₅ |
| 1977 DB ₁ | 15.0 | 940905 | 275.74350 | 330.56374 | 139.64530 | 2.93511 | 0.1740511 | 2.4095636 | 19 | 4 | 1977-1992 | 0.62 | Williams | 21964 | 1977 DB ₁ |
| 1977 DD ₁ | 14.0 | 940905 | 248.24580 | 252.63279 | 142.47706 | 5.81342 | 0.1057340 | 2.1914012 | 23 | 6 | 1951-1994 | 0.97 | Williams | 23682 | 1977 DD ₁ |
| 1977 EL | 14.0 | 940905 | 21.25862 | 121.49449 | 131.18287 | 6.14743 | 0.1481230 | 2.2186042 | 19 | 4 | 1975-1994 | 0.89 | Williams | 23682 | 1977 EL |
| 1977 QY ₃ | 13.0 | 940905 | 38.58138 | 200.86243 | 96.31167 | 6.37796 | 0.1803621 | 2.2579199 | 15 | 5 | 1963-1994 | 1.31 | Williams | 22073 | 1977 QY ₃ |
| 1978 NQ ₁ | 14.0 | 940905 | 38.19918 | 345.21378 | 282.06275 | 3.94882 | 0.2258530 | 2.1699652 | 32 | 5 | 1962-1994 | 0.76 | Williams | 22073 | 1978 NQ ₁ |
| 1978 PJ ₂ | 12.0 | 940905 | 251.91014 | 230.46296 | 189.54494 | 5.09463 | 0.1520567 | 3.1286783 | 25 | 4 | 1978-1992 | 0.99 | Williams | 22073 | 1978 PJ ₂ |
| 1978 PO ₃ | 13.5 | 940905 | 101.10329 | 273.09505 | 26.42501 | 0.94235 | 0.1311093 | 2.4437148 | 15 | 5 | 1978-1992 | 1.24 | Williams | 21964 | 1978 PO ₃ |
| 1978 RK | 13.0 | 940905 | 276.59044 | 23.59080 | 1.82054 | 18.07729 | 0.1741083 | 3.1642650 | 7 | 2 | 1978-1992 | 0.40 | Williams | 20140 | 1978 RK |
| 1978 RK ₁ | 12.0 | 940905 | 313.67408 | 268.72332 | 93.85100 | 2.63113 | 0.1711670 | 3.1235192 | 28 | 7 | 1951-1992 | 0.79 | Williams | 22491 | 1978 RK ₁ |
| 1978 VZ ₂ | 14.5 | 940905 | 280.56139 | 22.92330 | 67.45210 | 1.66619 | 0.0854649 | 2.5675661 | 14 | 4 | 1978-1992 | 0.75 | Williams | 22696 | 1978 VZ ₂ |
| 1978 VR ₄ | 14.0 | 940905 | 272.20194 | 239.23415 | 227.79572 | 4.09823 | 0.1149597 | 2.1968448 | 26 | 5 | 1954-1993 | 0.71 | Williams | 22823 | 1978 VR ₄ |
| 1979 MA ₆ | 14.5 | 940905 | 305.54113 | 328.64860 | 137.06980 | 5.83731 | 0.0597277 | 2.3110443 | 20 | 3 | 1979-1992 | 0.75 | Williams | 21965 | 1979 MA ₆ |
| 1979 QC ₂ | 12.5 | 940905 | 271.32455 | 255.66045 | 161.26492 | 2.37497 | 0.1027336 | 2.9469354 | 21 | 5 | 1977-1992 | 0.67 | Williams | 17816 | 1979 QC ₂ |
| 1979 TA | 14.0 | 940905 | 337.84854 | 51.90638 | 302.64085 | 2.35776 | 0.2171974 | 2.4354008 | 27 | 5 | 1979-1994 | 0.92 | Bardwell | 23535 | 1979 TA |
| 1979 WX ₃ | 13.5 | 940905 | 348.65899 | 267.19726 | 124.67042 | 1.93121 | 0.1778049 | 2.4345358 | 31 | 4 | 1979-1993 | 0.86 | Williams | 22823 | 1979 WX ₃ |
| 1980 DX | 12.5 | 940905 | 15.67383 | 144.29392 | 156.05386 | 9.89109 | 0.0895444 | 2.6145462 | 24 | 4 | 1980-1994 | 1.00 | Williams | 23510 | 1980 DX |
| 1980 FW ₂ | 13.5 | 940905 | 115.43580 | 290.44766 | 351.21919 | 0.33489 | 0.1411932 | 3.1628386 | 24 | 2 | 1980-1993 | 0.72 | Williams | 23347 | 1980 FW ₂ |
| 1980 KM | 13.5 | 940905 | 15.02307 | 45.98822 | 228.57077 | 5.74229 | 0.1015815 | 2.7532372 | 45 | 4 | 1980-1994 | 0.67 | Williams | 21966 | 1980 KM |
| 1980 TV ₂ | 14.5 | 940905 | 0.41939 | 32.48873 | 6.93279 | 6.22125 | 0.2483294 | 2.2792477 | 19 | 4 | 1980-1992 | 0.94 | Williams | 22074 | 1980 TV ₂ |
| 1980 TQ ₁₄ | 14.0 | 940905 | 255.86634 | 240.39337 | 141.49548 | 3.58541 | 0.1864180 | 2.4224103 | 17 | 4 | 1976-1994 | 0.91 | Williams | 21966 | 1980 TQ ₁₄ |
| 1981 EQ | 12.5 | 940905 | 90.94486 | 226.32372 | 12.45530 | 10.78258 | 0.1514033 | 3.1873554 | 26 | 3 | 1981-1992 | 0.67 | Williams | 21966 | 1981 EQ |
| 1981 EB ₁ | 12.0 | 940905 | 104.76539 | 86.81534 | 134.28810 | 2.55562 | 0.0781195 | 3.1577837 | 31 | 5 | 1979-1993 | 0.98 | Williams | 22823 | 1981 EB ₁ |
| 1981 EJ ₇ | 12.5 | 940905 | 8.39115 | 4.64948 | 307.62490 | 7.80434 | 0.0277344 | 3.1643562 | 26 | 3 | 1981-1992 | 0.97 | Williams | 22967 | 1981 EJ ₇ |
| 1981 EK ₇ | 13.0 | 940905 | 43.44819 | 74.44450 | 221.88553 | 4.33249 | 0.1461259 | 3.1498887 | 33 | 5 | 1978-1993 | 1.26 | Williams | 22823 | 1981 EK ₇ |
| 1981 EQ ₉ | 13.0 | 940905 | 143.23678 | 338.30162 | 209.32270 | 4.82511 | 0.1166930 | 3.1427115 | 33 | 4 | 1978-1992 | 0.92 | Williams | 21966 | 1981 EQ ₉ |
| 1981 ES ₉ | 14.0 | 940905 | 93.77024 | 29.39072 | 200.82311 | 9.07246 | 0.0389886 | 3.1630262 | 26 | 3 | 1981-1992 | 0.87 | Williams | 15879 | 1981 ES ₉ |
| 1981 EP ₁₃ | 14.5 | 940905 | 320.22610 | 18.94225 | 309.51348 | 4.98819 | 0.1177967 | 2.1484094 | 31 | 4 | 1981-1994 | 0.86 | Williams | 21966 | 1981 EP ₁₃ |
| 1981 EM ₁₇ | 13.5 | 940905 | 299.66480 | 153.23414 | 200.29135 | 7.40591 | 0.2410225 | 2.5544738 | 22 | 2 | 1981-1994 | 0.79 | Williams | 23668 | 1981 EM ₁₇ |
| 1981 EK ₁₈ | 12.0 | 940905 | 182.42365 | 279.46120 | 216.43654 | 1.30111 | 0.1305806 | 3.1387819 | 26 | 4 | 1953-1992 | 0.79 | Williams | 22482 | 1981 EK ₁₈ |
| 1981 EQ ₁₈ | 13.0 | 940905 | 268.69678 | 255.36781 | 147.65645 | 1.87007 | 0.1797417 | 3.1295641 | 17 | 4 | 1978-1992 | 0.81 | Williams | 22697 | 1981 EQ ₁₈ |

| | | | | | | | | | | | | | | | |
|-----------------------|------|--------|-----------|-----------|-----------|----------|-----------|-----------|----|---|-----------|------|----------|-------|-----------------------|
| 1981 EV ₁₉ | 14.0 | 940905 | 258.87917 | 216.85877 | 188.98729 | 4.40680 | 0.1435671 | 3.1596428 | 24 | 5 | 1978-1993 | 1.01 | Williams | 22429 | 1981 EV ₁₉ |
| 1981 EW ₂₀ | 13.0 | 940905 | 11.55814 | 301.03716 | 15.54847 | 0.90979 | 0.1323478 | 3.1687714 | 26 | 4 | 1978-1992 | 0.89 | Williams | 19858 | 1981 EW ₂₀ |
| 1981 ET ₂₂ | 14.0 | 940905 | 273.35636 | 88.79657 | 26.88201 | 2.58952 | 0.1585776 | 2.3962896 | 32 | 3 | 1981-1992 | 0.85 | Williams | 22430 | 1981 ET ₂₂ |
| 1981 EC ₂₃ | 12.5 | 940905 | 48.09873 | 43.49387 | 236.59976 | 0.94396 | 0.0472361 | 3.1496718 | 23 | 4 | 1950-1992 | 1.01 | Williams | 22483 | 1981 EC ₂₃ |
| 1981 EZ ₂₅ | 12.0 | 940905 | 270.47456 | 32.27084 | 354.66610 | 20.51193 | 0.1948715 | 3.1967624 | 25 | 3 | 1955-1992 | 0.99 | Williams | 19859 | 1981 EZ ₂₅ |
| 1981 EM ₂₆ | 13.5 | 940905 | 59.59876 | 255.83773 | 6.77039 | 6.97530 | 0.0285261 | 3.1720578 | 19 | 3 | 1981-1992 | 1.12 | Williams | 15880 | 1981 EM ₂₆ |
| 1981 EY ₂₆ | 12.0 | 940905 | 80.38405 | 266.47896 | 340.91363 | 5.23057 | 0.0969048 | 3.1807420 | 28 | 4 | 1977-1992 | 0.66 | Williams | 21967 | 1981 EY ₂₆ |
| 1981 EQ ₃₁ | 15.0 | 940905 | 224.52171 | 269.55368 | 168.57443 | 6.37112 | 0.1481407 | 3.1698940 | 19 | 4 | 1981-1993 | 0.96 | Williams | 22430 | 1981 EQ ₃₁ |
| 1981 EG ₃₉ | 14.0 | 940905 | 338.14209 | 357.89844 | 350.09153 | 4.98121 | 0.1579748 | 3.1456612 | 14 | 4 | 1981-1992 | 1.02 | Williams | 21967 | 1981 EG ₃₉ |
| 1981 EA ₄₀ | 14.5 | 940905 | 21.57292 | 174.66832 | 133.23067 | 2.79522 | 0.1771491 | 3.1841941 | 17 | 3 | 1977-1992 | 1.10 | Williams | 21968 | 1981 EA ₄₀ |
| 1981 EX ₄₁ | 12.0 | 940905 | 255.96648 | 206.48616 | 200.86733 | 1.29535 | 0.1777848 | 3.1680539 | 26 | 5 | 1978-1992 | 1.00 | Williams | 22074 | 1981 EX ₄₁ |
| 1981 FL | 14.5 | 940905 | 253.51471 | 357.28881 | 184.20608 | 7.89542 | 0.1865783 | 2.3700657 | 21 | 6 | 1953-1993 | 0.98 | Williams | 23535 | 1981 FL |
| 1981 FT | 14.0 | 940905 | 68.58180 | 117.00796 | 60.64374 | 3.97679 | 0.0833618 | 2.1723931 | 16 | 4 | 1978-1994 | 1.15 | Williams | 23511 | 1981 FT |
| 1981 OH | 13.5 | 940905 | 234.28786 | 201.24957 | 139.55512 | 14.88657 | 0.2335658 | 2.3261472 | 25 | 4 | 1981-1994 | 0.76 | Williams | 21968 | 1981 OH |
| 1981 QV ₂ | 13.0 | 940905 | 5.84243 | 229.85773 | 135.48467 | 9.16920 | 0.1218649 | 2.6288811 | 42 | 4 | 1953-1992 | 0.81 | Williams | 22074 | 1981 QV ₂ |
| 1981 RA ₂ | 13.0 | 940905 | 339.28708 | 84.67415 | 252.52128 | 11.48167 | 0.2427462 | 2.7023403 | 17 | 3 | 1981-1994 | 0.86 | Bardwell | 21968 | 1981 RA ₂ |
| 1981 SQ ₂ | 13.3 | 940905 | 278.71978 | 321.79511 | 20.93966 | 3.99632 | 0.1600900 | 2.2764644 | 21 | 7 | 1964-1994 | 0.70 | Nakano | 23535 | 1981 SQ ₂ |
| 1982 JE ₁ | 14.5 | 940905 | 110.20619 | 291.19906 | 73.00736 | 5.26186 | 0.1835100 | 2.2581816 | 33 | 5 | 1976-1993 | 1.20 | Williams | 23245 | 1982 JE ₁ |
| 1982 OF | 13.5 | 940905 | 47.20443 | 46.50086 | 303.53808 | 3.82176 | 0.2284166 | 2.4349072 | 22 | 4 | 1982-1992 | 1.11 | Williams | 22075 | 1982 OF |
| 1982 UD ₇ | 13.0 | 940905 | 4.21762 | 139.10167 | 204.22951 | 6.95161 | 0.2119596 | 2.5668679 | 28 | 5 | 1953-1994 | 1.07 | Williams | 22599 | 1982 UD ₇ |
| 1983 RR ₄ | 13.0 | 940905 | 337.62058 | 196.66614 | 169.26323 | 13.88310 | 0.1837251 | 2.3714302 | 17 | 5 | 1932-1994 | 0.83 | Williams | 23683 | 1983 RR ₄ |
| 1984 HR ₁ | 12.5 | 940905 | 127.61341 | 234.99985 | 32.45720 | 5.33689 | 0.1474529 | 2.5996451 | 39 | 4 | 1984-1992 | 0.77 | Williams | 15709 | 1984 HR ₁ |
| 1984 KB | 15.0 | 940905 | 54.20310 | 336.50562 | 169.95172 | 4.84600 | 0.7643356 | 2.2160005 | 72 | 3 | 1984-1994 | 0.71 | Williams | 23683 | 1984 KB |
| 1985 BH | 13.0 | 940905 | 36.66506 | 261.97027 | 111.71596 | 5.66255 | 0.1551053 | 2.2525630 | 24 | 8 | 1955-1993 | 1.23 | Williams | 22430 | 1985 BH |
| 1985 CH ₁ | 12.5 | 940905 | 275.78017 | 116.94385 | 17.05852 | 3.74225 | 0.1186717 | 2.3032233 | 31 | 6 | 1950-1992 | 0.99 | Williams | 22824 | 1985 CH ₁ |
| 1985 CM ₁ | 13.5 | 940905 | 227.36873 | 69.81778 | 133.01779 | 4.87234 | 0.0955322 | 2.2971795 | 40 | 3 | 1954-1992 | 0.81 | Williams | 21969 | 1985 CM ₁ |
| 1985 CN ₁ | 13.5 | 940905 | 264.38368 | 143.60198 | 13.17593 | 3.17729 | 0.0993555 | 2.2995003 | 41 | 3 | 1978-1992 | 0.69 | Williams | 21969 | 1985 CN ₁ |
| 1985 GK | 13.0 | 940905 | 88.63046 | 318.38480 | 203.51921 | 12.44771 | 0.1136523 | 2.6792712 | 17 | 3 | 1985-1994 | 0.84 | Williams | 23536 | 1985 GK |
| 1985 HS ₁ | 13.5 | 940905 | 219.10736 | 31.54956 | 181.49295 | 23.23408 | 0.1983071 | 2.3239651 | 18 | 2 | 1985-1992 | 1.04 | Williams | 21969 | 1985 HS ₁ |
| 1985 JN ₁ | 14.0 | 940905 | 215.10928 | 169.38760 | 81.52490 | 6.58532 | 0.1429306 | 2.3225466 | 19 | 3 | 1985-1993 | 1.16 | Williams | 23246 | 1985 JN ₁ |
| 1985 RR ₄ | 14.0 | 940905 | 345.98325 | 158.63111 | 179.66648 | 9.38909 | 0.1674157 | 2.7829638 | 28 | 3 | 1985-1994 | 0.70 | Williams | 23683 | 1985 RR ₄ |
| 1985 VG | 13.5 | 940905 | 186.82157 | 285.03417 | 94.34436 | 4.00285 | 0.0565367 | 2.3513688 | 25 | 4 | 1961-1994 | 0.88 | Williams | 23683 | 1985 VG |
| 1986 EN | 13.7 | 940905 | 56.59755 | 49.63928 | 155.66531 | 23.33748 | 0.2144711 | 2.4283362 | 26 | 3 | 1986-1994 | 0.86 | Williams | 23536 | 1986 EN |
| 1986 PF | 12.5 | 940905 | 329.57184 | 67.96898 | 245.79732 | 5.53638 | 0.0517992 | 2.6397840 | 20 | 4 | 1978-1994 | 0.98 | Bardwell | 23536 | 1986 PF |
| 1986 PU ₁ | 15.0 | 940905 | 39.62825 | 324.19229 | 28.03913 | 1.97579 | 0.1991145 | 2.4034297 | 53 | 4 | 1975-1992 | 0.43 | Williams | 17437 | 1986 PU ₁ |
| 1986 QQ | 13.5 | 940905 | 25.13780 | 84.70151 | 359.20597 | 4.32617 | 0.1488631 | 2.2802438 | 83 | 7 | 1950-1993 | 0.74 | Williams | 22968 | 1986 QQ |
| 1986 RG ₃ | 14.5 | 940905 | 129.33079 | 152.13960 | 163.80060 | 7.95413 | 0.2593262 | 2.2866439 | 13 | 4 | 1979-1993 | 1.23 | Williams | 22684 | 1986 RG ₃ |
| 1986 RA ₅ | 13.5 | 940905 | 356.30278 | 210.32260 | 126.21180 | 6.45877 | 0.2154766 | 2.5245048 | 37 | 4 | 1986-1994 | 0.65 | Bardwell | 23512 | 1986 RA ₅ |
| 1986 TW ₉ | 13.0 | 940905 | 334.37590 | 70.83642 | 300.54512 | 5.81910 | 0.2308646 | 2.5738493 | 14 | 5 | 1953-1994 | 0.78 | Williams | 21970 | 1986 TW ₉ |
| 1987 HE | 14.5 | 940905 | 63.81331 | 13.84468 | 170.01891 | 23.42292 | 0.2002549 | 2.2923788 | 13 | 2 | 1987-1994 | 0.75 | Williams | 23669 | 1987 HE |
| 1987 HE ₁ | 13.5 | 940905 | 50.93774 | 105.97893 | 159.00969 | 5.36217 | 0.1590778 | 2.2078282 | 31 | 5 | 1971-1994 | 1.24 | Williams | 21970 | 1987 HE ₁ |
| 1987 JG | 14.0 | 940905 | 6.54820 | 13.73969 | 246.11476 | 5.82739 | 0.0821302 | 2.3139690 | 30 | 3 | 1987-1994 | 1.01 | Williams | 23683 | 1987 JG |
| 1987 OC | 13.0 | 940905 | 347.11713 | 47.50090 | 271.90388 | 23.85999 | 0.2082623 | 2.3420014 | 25 | 5 | 1987-1994 | 1.05 | Bardwell | 21970 | 1987 OC |
| 1987 QN | 10.0 | 940905 | 171.12445 | 218.53414 | 147.51580 | 20.32788 | 0.0578410 | 5.3022072 | 42 | 3 | 1987-1994 | 1.10 | Williams | 23348 | 1987 QN |
| 1987 SH ₃ | 14.0 | 940905 | 162.14094 | 265.85720 | 190.02692 | 24.23309 | 0.1102487 | 1.8899528 | 25 | 3 | 1982-1994 | 0.93 | Williams | 23683 | 1987 SH ₃ |
| 1987 SZ ₃ | 14.0 | 940905 | 333.91671 | 224.19352 | 126.30456 | 6.23346 | 0.2811030 | 2.3741831 | 17 | 4 | 1954-1994 | 0.76 | Williams | 21567 | 1987 SZ ₃ |
| 1987 ST ₁₇ | 13.5 | 940905 | 304.25576 | 142.75033 | 225.20087 | 8.77379 | 0.1541413 | 2.4299821 | 13 | 4 | 1983-1994 | 0.97 | Bardwell | 22079 | 1987 ST ₁₇ |
| 1987 UP ₂ | 14.0 | 940905 | 10.03917 | 155.92162 | 240.35250 | 3.49848 | 0.2738137 | 2.2410201 | 10 | 4 | 1950-1992 | 1.34 | Williams | 22698 | 1987 UP ₂ |
| 1987 VB | 13.0 | 940905 | 356.68555 | 129.09122 | 283.84188 | 2.91489 | 0.1424386 | 2.2423262 | 30 | 5 | 1950-1992 | 0.86 | Williams | 22969 | 1987 VB |
| 1988 AO ₁ | 13.5 | 940905 | 218.00398 | 6.45142 | 91.26014 | 6.06190 | 0.0957152 | 2.6275871 | 27 | 5 | 1950-1994 | 0.95 | Williams | 22493 | 1988 AO ₁ |
| 1988 AT ₁ | 14.0 | 940905 | 250.36947 | 250.75707 | 306.77679 | 2.75398 | 0.1435903 | 2.3314999 | 16 | 4 | 1985-1993 | 0.87 | Williams | 23669 | 1988 AT ₁ |
| 1988 BX | 13.0 | 940905 | 280.43856 | 119.26765 | 290.97653 | 19.00109 | 0.0677862 | 1.8694801 | 39 | 3 | 1988-1994 | 0.57 | Williams | 22079 | 1988 BX |

| | | | | | | | | | | | | | | | |
|-----------------------|------|--------|-----------|-----------|-----------|----------|-----------|-----------|----|---|-----------|------|----------|-------|-----------------------|
| 1988 BP ₃ | 12.5 | 940905 | 26.94846 | 127.82403 | 161.50012 | 7.75873 | 0.1322341 | 2.6989561 | 34 | 4 | 1988-1994 | 0.74 | Williams | 23536 | 1988 BP ₃ |
| 1988 CC ₂ | 13.0 | 940905 | 347.25008 | 86.53532 | 315.65198 | 4.20893 | 0.1855965 | 2.3789047 | 30 | 5 | 1966-1992 | 0.78 | Williams | 22969 | 1988 CC ₂ |
| 1988 CF ₃ | 13.5 | 940905 | 43.45479 | 28.16267 | 333.93344 | 3.23499 | 0.1957721 | 2.3437190 | 22 | 5 | 1979-1992 | 0.96 | Williams | 21971 | 1988 CF ₃ |
| 1988 CF ₇ | 13.0 | 940905 | 327.45986 | 135.14336 | 231.09344 | 7.99214 | 0.2008853 | 2.6176621 | 21 | 3 | 1988-1994 | 0.79 | Williams | 21971 | 1988 CF ₇ |
| 1988 DE ₂ | 13.5 | 940905 | 250.75042 | 53.03078 | 95.32813 | 3.30945 | 0.1436537 | 2.4232209 | 22 | 3 | 1958-1992 | 0.84 | Williams | 20015 | 1988 DE ₂ |
| 1988 DJ ₂ | 15.0 | 940905 | 14.18913 | 46.81032 | 327.76414 | 1.26678 | 0.2319877 | 2.3655541 | 41 | 4 | 1983-1992 | 0.72 | Williams | 22079 | 1988 DJ ₂ |
| 1988 JB ₁ | 14.0 | 940905 | 54.05044 | 83.85972 | 149.96231 | 20.07045 | 0.4009792 | 3.1354732 | 16 | 2 | 1988-1994 | 0.63 | Williams | 23513 | 1988 JB ₁ |
| 1988 LC | 12.5 | 940905 | 204.31918 | 50.82090 | 162.09392 | 13.28898 | 0.1803750 | 2.6152359 | 20 | 4 | 1958-1993 | 0.82 | Williams | 23348 | 1988 LC |
| 1988 VO ₃ | 14.5 | 940905 | 173.71280 | 359.96182 | 15.46849 | 4.91715 | 0.2488961 | 2.5635564 | 25 | 3 | 1988-1994 | 0.96 | Williams | 21107 | 1988 VO ₃ |
| 1989 AK | 13.0 | 940905 | 26.56811 | 353.87419 | 89.90658 | 4.36085 | 0.2750185 | 3.0898217 | 35 | 4 | 1977-1993 | 1.13 | Williams | 23246 | 1989 AK |
| 1989 BG | 13.0 | 940905 | 110.36215 | 279.14537 | 330.51898 | 7.57101 | 0.0643158 | 2.2891979 | 21 | 4 | 1987-1994 | 1.20 | Williams | 21972 | 1989 BG |
| 1989 CF | 12.5 | 940905 | 92.13478 | 41.89013 | 128.48755 | 13.84348 | 0.1063524 | 2.6240836 | 33 | 3 | 1989-1994 | 1.09 | Williams | 23684 | 1989 CF |
| 1989 CH | 12.5 | 940905 | 44.88247 | 19.28847 | 136.93753 | 16.10866 | 0.2036271 | 2.8488079 | 59 | 2 | 1989-1994 | 0.77 | Nakano | 23684 | 1989 CH |
| 1989 EC ₃ | 14.0 | 940905 | 151.98470 | 278.62744 | 184.70822 | 8.60736 | 0.1227623 | 2.5729388 | 21 | 4 | 1977-1994 | 0.60 | Williams | 21973 | 1989 EC ₃ |
| 1989 GJ | 12.5 | 940905 | 27.75241 | 139.95708 | 142.06475 | 14.04838 | 0.1757418 | 2.6769301 | 15 | 3 | 1981-1994 | 0.67 | Williams | 18817 | 1989 GJ |
| 1989 GT ₃ | 13.5 | 940905 | 78.08233 | 90.28314 | 262.05603 | 0.95265 | 0.1429541 | 2.2418748 | 39 | 5 | 1980-1993 | 0.91 | Williams | 22969 | 1989 GT ₃ |
| 1989 GT ₄ | 14.0 | 940905 | 127.95511 | 120.18081 | 188.73227 | 3.15525 | 0.1814350 | 2.2557405 | 52 | 8 | 1949-1993 | 1.05 | Williams | 22699 | 1989 GT ₄ |
| 1989 NM | 12.5 | 940905 | 78.68031 | 215.98058 | 99.21407 | 8.36501 | 0.1602715 | 2.5620208 | 23 | 6 | 1976-1993 | 0.87 | Williams | 22493 | 1989 NM |
| 1989 SH ₃ | 15.0 | 940905 | 104.85707 | 272.63470 | 97.84114 | 1.90583 | 0.2297563 | 2.4525597 | 26 | 2 | 1989-1993 | 0.53 | Williams | 23670 | 1989 SH ₃ |
| 1989 SL ₅ | 16.0 | 940905 | 349.69463 | 189.54126 | 139.48624 | 23.65299 | 0.5361047 | 2.9902336 | 17 | 3 | 1984-1994 | 0.70 | Williams | 23684 | 1989 SL ₅ |
| 1989 TO | 13.0 | 940905 | 100.52465 | 98.37480 | 340.88026 | 21.79215 | 0.2983543 | 2.3342965 | 37 | 2 | 1989-1994 | 0.73 | Williams | 23537 | 1989 TO |
| 1989 WW | 14.0 | 940905 | 188.37617 | 268.53130 | 98.34880 | 6.05646 | 0.3056196 | 2.2293771 | 15 | 3 | 1979-1994 | 1.42 | Williams | 16878 | 1989 WW |
| 1990 DS ₁ | 13.6 | 940905 | 23.27843 | 320.21419 | 265.19537 | 0.96326 | 0.1213071 | 2.3998328 | 17 | 3 | 1979-1994 | 0.77 | Nakano | 23671 | 1990 DS ₁ |
| 1990 FL | 13.5 | 940905 | 58.68991 | 46.36627 | 162.01689 | 24.20426 | 0.1886131 | 2.3859337 | 19 | 2 | 1990-1994 | 0.77 | Bardwell | 23671 | 1990 FL |
| 1990 FR | 12.5 | 940905 | 31.95986 | 58.58992 | 115.06985 | 13.73491 | 0.3029405 | 2.5911899 | 37 | 4 | 1986-1994 | 0.83 | Williams | 23349 | 1990 FR |
| 1990 KG | 12.5 | 940905 | 8.76193 | 107.25031 | 114.34021 | 16.41818 | 0.2070183 | 2.6487554 | 31 | 3 | 1985-1994 | 0.77 | Williams | 23684 | 1990 KG |
| 1990 OB | 11.5 | 940905 | 255.27718 | 192.63024 | 198.94472 | 17.38274 | 0.2789444 | 2.8434896 | 36 | 4 | 1990-1994 | 0.90 | Williams | 23684 | 1990 OB |
| 1990 OD | 13.0 | 940905 | 357.38777 | 60.15645 | 232.16787 | 11.89809 | 0.2405444 | 2.6313234 | 30 | 3 | 1978-1994 | 0.96 | Williams | 23684 | 1990 OD |
| 1990 OE ₂ | 12.5 | 940905 | 333.01528 | 232.69480 | 117.95079 | 14.56312 | 0.1360618 | 2.5542220 | 34 | 7 | 1980-1994 | 0.84 | Williams | 22272 | 1990 OE ₂ |
| 1990 OJ ₂ | 13.5 | 940905 | 7.68992 | 328.41391 | 70.40759 | 4.48554 | 0.1449933 | 2.2558148 | 22 | 5 | 1953-1992 | 0.72 | Williams | 22082 | 1990 OJ ₂ |
| 1990 QF | 13.5 | 940905 | 57.97824 | 51.21564 | 331.59659 | 5.40098 | 0.1528634 | 2.1594978 | 20 | 5 | 1933-1992 | 1.22 | Williams | 21791 | 1990 QF |
| 1990 QJ ₁ | 14.0 | 940905 | 50.38840 | 53.37400 | 323.84934 | 4.58872 | 0.1638926 | 2.2262006 | 20 | 4 | 1976-1992 | 0.84 | Williams | 17639 | 1990 QJ ₁ |
| 1990 QL ₂ | 13.0 | 940905 | 34.29180 | 224.44083 | 160.21422 | 5.12090 | 0.1306390 | 2.2621674 | 27 | 3 | 1990-1993 | 0.76 | Williams | 22494 | 1990 QL ₂ |
| 1990 QK ₃ | 14.5 | 940905 | 15.99385 | 239.63647 | 151.28148 | 6.24918 | 0.1250027 | 2.3072161 | 18 | 2 | 1990-1992 | 0.72 | Williams | 20335 | 1990 QK ₃ |
| 1990 RH ₂ | 15.0 | 940905 | 20.15478 | 39.17262 | 344.26591 | 6.62339 | 0.1108021 | 2.3337004 | 15 | 2 | 1990-1992 | 0.89 | Williams | 20335 | 1990 RH ₂ |
| 1990 RK ₂ | 14.0 | 940905 | 116.10543 | 162.29563 | 176.93094 | 2.35879 | 0.0691071 | 2.1295680 | 14 | 3 | 1990-1993 | 0.59 | Williams | 22592 | 1990 RK ₂ |
| 1990 SH ₁ | 13.0 | 940905 | 304.93851 | 176.96948 | 207.12048 | 9.04262 | 0.2869908 | 2.7332254 | 26 | 5 | 1904-1992 | 0.90 | Williams | 22970 | 1990 SH ₁ |
| 1990 ST ₁₀ | 12.5 | 940905 | 300.99176 | 73.84054 | 344.10763 | 13.65554 | 0.1872171 | 2.5852158 | 15 | 3 | 1986-1992 | 0.96 | Williams | 20020 | 1990 ST ₁₀ |
| 1990 SK ₁₁ | 13.5 | 940905 | 44.63002 | 107.19360 | 271.33796 | 2.41697 | 0.1096768 | 2.2586037 | 18 | 4 | 1987-1993 | 1.15 | Williams | 22826 | 1990 SK ₁₁ |
| 1990 SQ ₁₆ | 13.0 | 940905 | 16.05342 | 300.20559 | 95.95732 | 5.21929 | 0.1295949 | 2.2570970 | 31 | 8 | 1933-1993 | 1.03 | Williams | 23538 | 1990 SQ ₁₆ |
| 1990 SL ₂₈ | 13.0 | 940905 | 10.36638 | 0.03047 | 321.03066 | 1.25054 | 0.1935242 | 2.6406867 | 21 | 6 | 1964-1994 | 0.71 | Williams | 23672 | 1990 SL ₂₈ |
| 1990 TJ | 13.5 | 940905 | 326.07137 | 351.09319 | 56.42629 | 4.89352 | 0.0665776 | 2.5301368 | 15 | 3 | 1982-1992 | 1.10 | Williams | 20148 | 1990 TJ |
| 1990 TL ₆ | 14.5 | 940905 | 82.35183 | 50.24169 | 306.72227 | 3.70306 | 0.1758002 | 2.1692393 | 27 | 3 | 1990-1993 | 1.08 | Williams | 22970 | 1990 TL ₆ |
| 1990 TU ₁₀ | 13.0 | 940905 | 329.30710 | 98.35290 | 233.90796 | 6.35788 | 0.2373555 | 2.8091086 | 20 | 4 | 1971-1994 | 0.81 | Bardwell | 21974 | 1990 TU ₁₀ |
| 1990 TR ₁₂ | 12.5 | 940905 | 348.18234 | 83.78795 | 240.46378 | 9.47768 | 0.0984486 | 2.9882861 | 16 | 3 | 1985-1994 | 0.63 | Williams | 23684 | 1990 TR ₁₂ |
| 1990 UJ ₂ | 13.5 | 940905 | 354.38932 | 224.25626 | 133.36489 | 4.79605 | 0.2186121 | 2.6509893 | 20 | 3 | 1981-1992 | 1.24 | Williams | 22082 | 1990 UJ ₂ |
| 1990 VB | 16.0 | 940905 | 8.43519 | 102.23886 | 254.63513 | 14.56463 | 0.5277199 | 2.4435468 | 37 | 2 | 1990-1994 | 0.67 | Williams | 23684 | 1990 VB |
| 1990 VZ | 12.5 | 940905 | 254.60579 | 0.79510 | 42.74277 | 2.84542 | 0.2605785 | 3.1111941 | 26 | 3 | 1979-1992 | 1.05 | Williams | 22054 | 1990 VZ |
| 1990 VE ₁ | 13.0 | 940905 | 358.33550 | 220.82916 | 138.54474 | 14.37758 | 0.1691898 | 2.6198754 | 16 | 4 | 1977-1992 | 0.72 | Williams | 22083 | 1990 VE ₁ |
| 1990 VY ₂ | 12.5 | 940905 | 32.52934 | 339.53948 | 4.22181 | 4.09604 | 0.1796608 | 2.5278265 | 16 | 3 | 1990-1993 | 0.91 | Williams | 22404 | 1990 VY ₂ |
| 1990 VR ₃ | 12.0 | 940905 | 241.79141 | 13.07712 | 43.41229 | 7.80064 | 0.1805671 | 3.1665496 | 14 | 4 | 1973-1992 | 0.59 | Williams | 21975 | 1990 VR ₃ |
| 1990 VY ₆ | 12.5 | 940905 | 323.68480 | 272.38362 | 56.30016 | 17.03839 | 0.2102561 | 2.9304637 | 25 | 5 | 1980-1994 | 0.89 | Williams | 22273 | 1990 VY ₆ |

| | | | | | | | | | | | | | | | |
|-----------------------|------|--------|-----------|-----------|-----------|----------|-----------|------------|----|---|-----------|------|----------|-------|-----------------------|
| 1990 VC ₁₅ | 12.5 | 940905 | 311.26843 | 229.47270 | 177.20062 | 3.70414 | 0.0844562 | 2.7149138 | 19 | 4 | 1981-1992 | 1.13 | Williams | 21975 | 1990 VC ₁₅ |
| 1990 WS ₄ | 13.5 | 940905 | 338.32012 | 223.51966 | 157.91415 | 3.04187 | 0.0844198 | 2.7439907 | 14 | 4 | 1976-1992 | 0.97 | Williams | 18435 | 1990 WS ₄ |
| 1991 AA | 11.5 | 940905 | 309.95090 | 323.76331 | 33.23055 | 5.39983 | 0.1327590 | 3.2073997 | 30 | 8 | 1909-1992 | 0.90 | Williams | 22826 | 1991 AA |
| 1991 CM ₃ | 13.5 | 940905 | 57.02985 | 297.27454 | 127.68259 | 4.54409 | 0.1317444 | 2.4303956 | 27 | 4 | 1951-1993 | 1.13 | Williams | 23247 | 1991 CM ₃ |
| 1991 GN | 12.5 | 940905 | 280.10795 | 168.41316 | 207.98796 | 22.89707 | 0.0897764 | 1.9317993 | 30 | 3 | 1991-1994 | 0.67 | Williams | 23684 | 1991 GN |
| 1991 JF ₁ | 12.4 | 940905 | 287.20018 | 151.34828 | 221.82506 | 28.10338 | 0.1419928 | 1.9144633 | 21 | 5 | 1968-1994 | 0.99 | Williams | 23672 | 1991 JF ₁ |
| 1991 NZ ₆ | 13.0 | 940905 | 141.25520 | 283.91474 | 118.06963 | 4.38575 | 0.1563658 | 2.8917226 | 31 | 3 | 1991-1994 | 1.00 | Williams | 22083 | 1991 NZ ₆ |
| 1991 PS | 14.0 | 940905 | 222.73002 | 146.36379 | 277.94603 | 4.30300 | 0.0939966 | 2.2869055 | 37 | 3 | 1986-1993 | 0.91 | Williams | 21976 | 1991 PS |
| 1991 PZ ₁₂ | 14.5 | 940905 | 231.47234 | 80.76467 | 322.35744 | 5.56897 | 0.1301711 | 2.4326225 | 12 | 3 | 1984-1994 | 0.80 | Williams | 20338 | 1991 PZ ₁₂ |
| 1991 PW ₁₇ | 14.0 | 940905 | 143.87486 | 329.02404 | 192.75309 | 4.02712 | 0.0416925 | 2.2463798 | 27 | 6 | 1978-1994 | 1.00 | Bardwell | 21976 | 1991 PW ₁₇ |
| 1991 RZ ₁ | 13.0 | 940905 | 8.72206 | 74.95990 | 184.66717 | 23.08898 | 0.1924941 | 2.3080783 | 19 | 2 | 1991-1994 | 0.85 | Williams | 23684 | 1991 RZ ₁ |
| 1991 RX ₂₃ | 13.0 | 940905 | 161.06751 | 36.39239 | 355.89218 | 9.54234 | 0.0351646 | 3.0182304 | 25 | 4 | 1981-1994 | 0.77 | Williams | 23349 | 1991 RX ₂₃ |
| 1991 RT ₄₀ | 13.5 | 940905 | 282.69055 | 260.15433 | 32.72230 | 2.36012 | 0.0406510 | 2.8797438 | 18 | 3 | 1981-1994 | 0.40 | Williams | 21943 | 1991 RT ₄₀ |
| 1991 SJ ₁ | 12.0 | 940905 | 164.63733 | 303.21376 | 167.92612 | 14.16061 | 0.1724837 | 2.6452638 | 55 | 3 | 1991-1994 | 0.86 | Williams | 23685 | 1991 SJ ₁ |
| 1991 TJ ₂ | 13.5 | 940905 | 19.59856 | 255.55128 | 53.75073 | 5.81600 | 0.2265937 | 2.1761253 | 14 | 4 | 1968-1994 | 1.09 | Bardwell | 19510 | 1991 TJ ₂ |
| 1991 UV | 13.5 | 940905 | 11.28805 | 86.66839 | 218.88569 | 1.88090 | 0.1607774 | 2.2752726 | 25 | 6 | 1953-1994 | 0.95 | Bardwell | 23538 | 1991 UV |
| 1991 UM ₁ | 13.5 | 940905 | 357.88839 | 353.49113 | 335.95978 | 4.59494 | 0.2050410 | 2.1966648 | 19 | 4 | 1952-1994 | 0.91 | Williams | 21976 | 1991 UM ₁ |
| 1991 VC ₄ | 12.5 | 940905 | 244.45720 | 195.10748 | 222.23129 | 11.09696 | 0.1919040 | 2.4506562 | 18 | 4 | 1980-1994 | 1.07 | Bardwell | 23538 | 1991 VC ₄ |
| 1991 VW ₅ | 13.5 | 940905 | 359.04485 | 181.17904 | 103.34146 | 9.19857 | 0.1852597 | 2.5619896 | 22 | 2 | 1991-1994 | 0.77 | Nakano | 23673 | 1991 VW ₅ |
| 1991 XO ₁ | 13.5 | 940905 | 319.41487 | 292.64341 | 84.14514 | 3.13331 | 0.2094689 | 2.3876177 | 18 | 5 | 1950-1994 | 0.83 | Bardwell | 23538 | 1991 XO ₁ |
| 1992 AS ₁ | 12.0 | 940905 | 263.20175 | 277.51473 | 152.82650 | 11.72924 | 0.1101960 | 2.7077380 | 24 | 5 | 1968-1994 | 0.83 | Bardwell | 22431 | 1992 AS ₁ |
| 1992 BH | 12.0 | 940905 | 139.72390 | 21.13225 | 140.54287 | 18.26489 | 0.1555367 | 3.1194413 | 49 | 3 | 1991-1994 | 0.94 | Williams | 22431 | 1992 BH |
| 1992 CC ₁ | 15.0 | 940905 | 310.63117 | 21.90285 | 349.31733 | 36.89263 | 0.3749813 | 1.3915249 | 56 | 3 | 1976-1994 | 0.83 | Williams | 23685 | 1992 CC ₁ |
| 1992 CG ₁ | 12.0 | 940905 | 116.83011 | 105.24288 | 113.93788 | 3.40456 | 0.1300301 | 3.0863302 | 21 | 6 | 1938-1992 | 1.44 | Williams | 22056 | 1992 CG ₁ |
| 1992 DB | 13.0 | 940905 | 256.27220 | 41.64673 | 126.70006 | 4.28864 | 0.0779605 | 2.2957816 | 29 | 6 | 1954-1992 | 1.03 | Williams | 20032 | 1992 DB |
| 1992 DZ ₂ | 14.0 | 940905 | 277.91957 | 57.56513 | 53.29011 | 1.27943 | 0.0837655 | 2.4507664 | 17 | 3 | 1981-1992 | 0.51 | Williams | 20341 | 1992 DZ ₂ |
| 1992 EB | 13.5 | 940905 | 42.50792 | 71.35428 | 324.11290 | 0.90471 | 0.0827352 | 2.1849448 | 20 | 4 | 1984-1992 | 0.75 | Williams | 20033 | 1992 EB |
| 1992 EE | 14.0 | 940905 | 221.81907 | 216.54914 | 352.53787 | 6.48182 | 0.1656736 | 2.3445116 | 20 | 2 | 1992-1993 | 1.06 | Williams | 23339 | 1992 EE |
| 1992 HJ | 13.5 | 940905 | 229.51486 | 130.11587 | 117.60110 | 4.76760 | 0.1212783 | 2.2632450 | 30 | 4 | 1955-1993 | 1.02 | Williams | 23247 | 1992 HJ |
| 1992 RH ₇ | 14.5 | 940905 | 101.22995 | 76.36924 | 35.34562 | 4.76034 | 0.0801944 | 2.2394016 | 18 | 5 | 1981-1994 | 0.79 | Williams | 23674 | 1992 RH ₇ |
| 1992 SL | 17.5 | 940905 | 341.98781 | 344.50682 | 1.11513 | 8.59907 | 0.3339117 | 1.6414791 | 66 | 2 | 1992-1994 | 0.79 | Williams | 23685 | 1992 SL |
| 1992 SU | 12.0 | 940905 | 98.75838 | 261.71358 | 177.36154 | 17.58315 | 0.2686939 | 2.9771185 | 16 | 2 | 1992-1994 | 0.57 | Williams | 23340 | 1992 SU |
| 1992 SF ₁₃ | 13.5 | 940905 | 91.37869 | 259.29589 | 194.96121 | 3.63240 | 0.0763684 | 2.5608313 | 11 | 3 | 1974-1994 | 1.02 | Williams | 22237 | 1992 SF ₁₃ |
| 1992 TC | 17.5 | 940905 | 355.36638 | 275.41708 | 88.76560 | 7.08767 | 0.2924168 | 1.5660009 | 56 | 3 | 1990-1994 | 0.80 | Williams | 23685 | 1992 TC |
| 1992 UA ₃ | 13.5 | 940905 | 160.48515 | 351.48930 | 44.64194 | 3.94958 | 0.0992910 | 2.6574952 | 18 | 2 | 1992-1994 | 1.16 | Williams | 23685 | 1992 UA ₃ |
| 1992 UO ₄ | 10.5 | 940905 | 214.08194 | 217.29833 | 75.24566 | 15.34578 | 0.0939223 | 3.1629037 | 16 | 3 | 1987-1994 | 1.19 | Williams | 23134 | 1992 UO ₄ |
| 1992 WY ₄ | 13.5 | 940905 | 215.38241 | 187.37923 | 267.46323 | 17.87267 | 0.0757302 | 1.9517607 | 20 | 3 | 1989-1994 | 0.98 | Williams | 21800 | 1992 WY ₄ |
| 1992 YP ₂ | 15.0 | 940905 | 167.09830 | 358.89919 | 85.19325 | 8.86582 | 0.1201896 | 2.4607297 | 23 | 2 | 1992-1994 | 0.56 | Williams | 23675 | 1992 YP ₂ |
| 1992 YG ₃ | 12.0 | 940905 | 87.29849 | 17.60292 | 124.29247 | 1.77773 | 0.1491241 | 3.1479353 | 45 | 3 | 1982-1994 | 0.94 | Williams | 23675 | 1992 YG ₃ |
| 1993 BP ₁₃ | 11.5 | 940905 | 132.32840 | 235.70270 | 268.82737 | 12.50105 | 0.1050522 | 2.5986406 | 29 | 4 | 1982-1994 | 0.90 | Bardwell | 22274 | 1993 BP ₁₃ |
| 1993 CC | 12.0 | 940905 | 69.94935 | 93.63659 | 132.08279 | 13.81103 | 0.1345607 | 2.6665587 | 49 | 4 | 1951-1994 | 0.54 | Bardwell | 23685 | 1993 CC |
| 1993 EG | 13.5 | 940905 | 102.86007 | 48.42796 | 196.05629 | 4.61242 | 0.1220694 | 2.2492821 | 28 | 6 | 1977-1994 | 0.62 | Williams | 22274 | 1993 EG |
| 1993 ET | 12.5 | 940905 | 170.63908 | 255.24691 | 186.53977 | 29.30947 | 0.4169187 | 2.7558299 | 24 | 3 | 1970-1994 | 0.90 | Williams | 23685 | 1993 ET |
| 1993 FS ₁ | 12.0 | 940905 | 46.25886 | 93.43464 | 151.67829 | 11.60767 | 0.1000288 | 3.0369154 | 21 | 4 | 1969-1994 | 0.99 | Williams | 23685 | 1993 FS ₁ |
| 1993 FH ₂₄ | 13.0 | 940905 | 1.03028 | 103.43302 | 205.18945 | 5.03083 | 0.0586661 | 2.7389115 | 15 | 4 | 1976-1994 | 0.72 | Bardwell | 23525 | 1993 FH ₂₄ |
| 1993 FO ₃₆ | 13.5 | 940905 | 17.46986 | 119.57536 | 179.99282 | 9.62166 | 0.1326848 | 2.7857620 | 16 | 4 | 1976-1994 | 0.64 | Bardwell | 23526 | 1993 FO ₃₆ |
| 1993 FS ₃₉ | 12.5 | 940905 | 347.00788 | 147.02957 | 171.21842 | 1.85077 | 0.1090720 | 2.9329504 | 9 | 3 | 1979-1994 | 0.51 | Williams | 23527 | 1993 FS ₃₉ |
| 1993 FE ₄₈ | 12.5 | 940905 | 43.99632 | 50.69393 | 196.91630 | 1.54251 | 0.0970306 | 3.0445689 | 17 | 4 | 1977-1994 | 0.64 | Williams | 23528 | 1993 FE ₄₈ |
| 1993 GE | 10.5 | 940905 | 75.48820 | 146.30655 | 57.67545 | 25.82720 | 0.2342054 | 3.1429426 | 20 | 4 | 1953-1994 | 1.10 | Williams | 22958 | 1993 GE |
| 1993 HV | 11.0 | 940905 | 1.05682 | 145.09419 | 183.55211 | 14.12043 | 0.2147544 | 3.4004507 | 38 | 7 | 1949-1994 | 1.19 | Williams | 22432 | 1993 HV |
| 1993 HA ₂ | 9.5 | 940905 | 7.46222 | 170.78186 | 31.33272 | 15.63423 | 0.5233041 | 24.7954180 | 47 | 2 | 1993-1994 | 0.45 | Williams | 23685 | 1993 HA ₂ |
| 1993 KB ₂ | 11.0 | 940905 | 66.12415 | 97.34588 | 176.07103 | 18.20561 | 0.1600284 | 3.1063008 | 10 | 3 | 1983-1993 | 0.68 | Williams | 22414 | 1993 KB ₂ |

| | | | | | | | | | | | | | | | |
|----------------------|------|--------|-----------|-----------|-----------|----------|-----------|-----------|-----|---|-----------|------|----------|-------|----------------------|
| 1993 ON ₉ | 14.5 | 940905 | 332.79548 | 167.78047 | 284.98456 | 3.04120 | 0.1227428 | 2.2087964 | 19 | 4 | 1976-1993 | 1.00 | Williams | 22959 | 1993 ON ₉ |
| 1993 QD ₄ | 15.0 | 940905 | 95.63864 | 7.58851 | 348.39233 | 2.69839 | 0.1184753 | 2.2952463 | 22 | 2 | 1971-1993 | 0.92 | Williams | 23350 | 1993 QD ₄ |
| 1993 QK ₄ | 14.0 | 940905 | 18.46928 | 294.53374 | 120.78478 | 2.89233 | 0.0508421 | 2.6833566 | 12 | 2 | 1982-1993 | 0.77 | Williams | 23676 | 1993 QK ₄ |
| 1993 ST ₄ | 14.5 | 940905 | 190.33516 | 194.75155 | 57.61242 | 1.00516 | 0.0270502 | 2.3502308 | 20 | 4 | 1974-1993 | 0.83 | Williams | 23342 | 1993 ST ₄ |
| 1993 TN ₁ | 14.5 | 940905 | 121.31967 | 237.93177 | 117.34435 | 3.01240 | 0.2067752 | 2.1566484 | 17 | 4 | 1974-1993 | 0.77 | Williams | 23247 | 1993 TN ₁ |
| 1993 UC | 15.5 | 940905 | 51.26409 | 322.95872 | 166.13337 | 25.98465 | 0.6625277 | 2.4386705 | 169 | 2 | 1993-1994 | 0.64 | Williams | 23685 | 1993 UC |
| 1993 UE ₁ | 13.5 | 940905 | 76.55672 | 311.47707 | 47.75191 | 14.57547 | 0.1826863 | 3.1648438 | 27 | 1 | 95 days | 0.89 | Williams | 23248 | 1993 UE ₁ |
| 1993 VA | 17.0 | 940905 | 157.12530 | 336.39569 | 133.27115 | 7.25612 | 0.3911896 | 1.3560071 | 63 | 4 | 1963-1994 | 0.74 | Williams | 23685 | 1993 VA |
| 1993 VW | 16.5 | 940905 | 85.08220 | 280.90268 | 231.31703 | 8.68531 | 0.4843849 | 1.6950451 | 102 | 3 | 1982-1994 | 0.71 | Williams | 23686 | 1993 VW |
| 1993 YF | 14.0 | 940905 | 70.67161 | 307.05780 | 113.41843 | 2.56852 | 0.1777297 | 3.1114661 | 17 | 3 | 1976-1994 | 0.62 | Williams | 23241 | 1993 YF |
| 1994 AD | 14.5 | 940905 | 26.14899 | 137.54241 | 9.17238 | 1.19066 | 0.1185534 | 2.4310087 | 13 | 2 | 1977-1994 | 0.83 | Williams | 23241 | 1994 AD |
| 1994 AJ | 12.5 | 940905 | 157.63691 | 219.59072 | 125.54434 | 9.04485 | 0.2320029 | 2.4206531 | 17 | 3 | 1951-1994 | 0.60 | Williams | 23241 | 1994 AJ |
| 1994 AQ | 12.0 | 940905 | 126.50783 | 254.43445 | 126.71458 | 13.78136 | 0.1957650 | 2.5966262 | 19 | 2 | 1992-1994 | 0.58 | Williams | 23241 | 1994 AQ |
| 1994 AJ ₁ | 13.0 | 940905 | 103.49666 | 126.30472 | 287.59470 | 9.35765 | 0.0989524 | 2.9896929 | 17 | 2 | 1989-1994 | 0.60 | Williams | 23242 | 1994 AJ ₁ |
| 1994 AW ₁ | 17.5 | 940905 | 339.25260 | 37.09975 | 290.46113 | 24.09932 | 0.0752638 | 1.1046556 | 161 | 1 | 162 days | 0.67 | Williams | 23686 | 1994 AW ₁ |
| 1994 CQ | 14.5 | 940905 | 68.46478 | 154.45019 | 321.57574 | 1.76881 | 0.1618177 | 2.3739565 | 16 | 2 | 1978-1994 | 1.02 | Williams | 23676 | 1994 CQ |
| 1994 CE ₂ | 14.0 | 940905 | 263.25703 | 270.43710 | 39.52409 | 0.57666 | 0.0547477 | 2.3717650 | 20 | 2 | 1991-1994 | 0.65 | Williams | 23344 | 1994 CE ₂ |
| 1994 CJ ₂ | 13.5 | 940905 | 352.96369 | 85.04249 | 131.01621 | 7.66595 | 0.1378321 | 2.5650232 | 18 | 2 | 1991-1994 | 1.06 | Williams | 23344 | 1994 CJ ₂ |
| 1994 ER | 14.5 | 940905 | 124.61633 | 335.12745 | 115.00889 | 6.47745 | 0.1231195 | 2.2712436 | 15 | 5 | 1980-1994 | 0.61 | Williams | 23344 | 1994 ER |
| 1994 EQ ₁ | 14.0 | 940905 | 111.72696 | 296.19394 | 173.90201 | 3.80851 | 0.1097990 | 2.2664345 | 13 | 3 | 1982-1994 | 0.68 | Williams | 23530 | 1994 EQ ₁ |
| 1994 EQ ₃ | 10.8 | 940905 | 4.06001 | 97.93329 | 120.29220 | 5.72089 | 0.3679971 | 4.7156456 | 95 | 5 | 1954-1994 | 0.90 | Nakano | 23686 | 1994 EQ ₃ |
| 1994 FR | 13.5 | 940905 | 219.82485 | 36.58588 | 311.02013 | 1.22093 | 0.0792895 | 2.8859635 | 21 | 3 | 1986-1994 | 0.84 | Williams | 23677 | 1994 FR |
| 1994 GR | 13.0 | 940905 | 7.13436 | 150.19178 | 103.26326 | 5.46261 | 0.1711624 | 2.3343976 | 20 | 4 | 1958-1994 | 0.94 | Williams | 23677 | 1994 GR |
| 1994 GY | 17.0 | 940905 | 26.96785 | 189.96973 | 34.11717 | 12.46632 | 0.5319385 | 2.6698369 | 111 | 1 | 67 days | 0.78 | Williams | 23677 | 1994 GY |
| 1994 GD ₁ | 12.9 | 940905 | 28.91874 | 140.28601 | 68.07087 | 10.87649 | 0.2317287 | 2.9302822 | 11 | 2 | 1979-1994 | 1.32 | Nakano | 23677 | 1994 GD ₁ |
| 1994 GB ₉ | 14.3 | 940905 | 43.57762 | 25.79816 | 175.11189 | 2.40645 | 0.1288835 | 2.3013252 | 24 | 3 | 1980-1994 | 1.00 | Nakano | 23678 | 1994 GB ₉ |
| 1994 JG | 12.5 | 940905 | 280.55547 | 151.06814 | 195.69391 | 9.46837 | 0.0872579 | 3.0029993 | 13 | 2 | 1985-1994 | 0.59 | Williams | 23679 | 1994 JG |
| 1994 JL | 13.5 | 940905 | 3.70788 | 186.59003 | 85.34665 | 6.67191 | 0.1886279 | 2.2588829 | 12 | 4 | 1978-1994 | 0.80 | Williams | 23679 | 1994 JL |
| 1994 JU | 15.0 | 940905 | 12.27880 | 62.98625 | 204.22616 | 6.30048 | 0.1906224 | 2.3279356 | 14 | 2 | 1991-1994 | 0.61 | Williams | 23679 | 1994 JU |
| 1994 JA ₁ | 12.5 | 940905 | 326.11082 | 254.60437 | 49.71768 | 6.22102 | 0.2139289 | 2.2019101 | 14 | 3 | 1923-1994 | 0.64 | Bardwell | 23679 | 1994 JA ₁ |
| 1994 LK | 11.0 | 940905 | 359.91349 | 88.07276 | 200.02747 | 25.45191 | 0.1803061 | 3.1521464 | 17 | 2 | 1989-1994 | 0.71 | Williams | 23679 | 1994 LK |
| 2095 P-L | 16.0 | 940905 | 270.44225 | 118.09665 | 330.26753 | 2.53608 | 0.1275544 | 2.6353319 | 11 | 3 | 1960-1992 | 0.75 | Williams | 17973 | 2095 P-L |
| 2563 P-L | 12.5 | 940905 | 70.69364 | 112.31070 | 150.47122 | 1.72294 | 0.1407617 | 3.2025992 | 18 | 4 | 1954-1992 | 0.66 | Williams | 22971 | 2563 P-L |
| 2594 P-L | 14.5 | 940905 | 27.67148 | 143.92749 | 149.16968 | 2.50692 | 0.0423458 | 2.8970825 | 18 | 3 | 1960-1994 | 0.42 | Williams | 22700 | 2594 P-L |
| 2645 P-L | 13.9 | 940905 | 3.60330 | 123.97698 | 105.16951 | 2.19368 | 0.0725853 | 2.1681245 | 16 | 2 | 1960-1994 | 0.60 | Nakano | 23539 | 2645 P-L |
| 4077 P-L | 14.0 | 940905 | 232.99440 | 214.15044 | 317.97995 | 1.36281 | 0.1436527 | 2.4058049 | 21 | 4 | 1951-1992 | 0.80 | Williams | 22086 | 4077 P-L |
| 4099 P-L | 15.0 | 940905 | 288.19195 | 193.65157 | 211.06811 | 5.18647 | 0.1549185 | 2.2756244 | 18 | 4 | 1960-1994 | 0.55 | Williams | 23532 | 4099 P-L |
| 4247 P-L | 15.0 | 940905 | 156.73946 | 303.06375 | 259.32481 | 1.27507 | 0.1288442 | 2.4244692 | 30 | 3 | 1960-1993 | 0.92 | Williams | 22490 | 4247 P-L |
| 4524 P-L | 14.0 | 940905 | 300.35757 | 155.67842 | 227.82896 | 0.54323 | 0.0861736 | 2.2764600 | 17 | 4 | 1953-1994 | 0.70 | Bardwell | 23532 | 4524 P-L |
| 4581 P-L | 14.0 | 940905 | 31.59969 | 334.18810 | 54.75000 | 2.82537 | 0.1266028 | 2.2377924 | 22 | 4 | 1960-1992 | 1.03 | Williams | 22086 | 4581 P-L |
| 4801 P-L | 15.0 | 940905 | 52.70155 | 179.96217 | 98.82869 | 2.15173 | 0.1286380 | 3.1993939 | 12 | 3 | 1960-1992 | 0.66 | Williams | 21978 | 4801 P-L |
| 4805 P-L | 15.0 | 940905 | 201.11003 | 198.23864 | 21.20622 | 2.31835 | 0.1622157 | 2.3899733 | 41 | 4 | 1960-1992 | 0.97 | Williams | 22086 | 4805 P-L |
| 4848 P-L | 15.0 | 940905 | 170.92941 | 83.52855 | 173.52912 | 2.69873 | 0.1490037 | 2.3843984 | 15 | 3 | 1960-1992 | 0.98 | Williams | 14629 | 4848 P-L |
| 6670 P-L | 15.0 | 940905 | 239.15932 | 119.28507 | 10.50061 | 3.95577 | 0.1333717 | 2.6210359 | 9 | 3 | 1960-1992 | 0.65 | Williams | 17976 | 6670 P-L |
| 1171 T-1 | 14.0 | 940905 | 335.28963 | 137.78273 | 200.06406 | 7.26177 | 0.1830340 | 2.3943127 | 21 | 5 | 1971-1994 | 0.79 | Williams | 19522 | 1171 T-1 |
| 1175 T-1 | 13.5 | 940905 | 219.63749 | 214.11023 | 188.41835 | 6.08666 | 0.1209144 | 2.4164088 | 19 | 6 | 1954-1994 | 0.77 | Williams | 23680 | 1175 T-1 |
| 1280 T-1 | 12.0 | 940905 | 328.58126 | 99.93321 | 189.39167 | 9.12568 | 0.0282282 | 3.1530528 | 35 | 4 | 1971-1994 | 0.70 | Williams | 23686 | 1280 T-1 |
| 2291 T-1 | 13.0 | 940905 | 64.20248 | 246.15193 | 71.63861 | 3.96963 | 0.2170155 | 2.6316852 | 12 | 4 | 1971-1992 | 0.84 | Williams | 20830 | 2291 T-1 |
| 3196 T-1 | 13.5 | 940905 | 43.71293 | 315.59915 | 242.55018 | 1.82807 | 0.1504578 | 2.7478257 | 24 | 7 | 1955-1994 | 0.85 | Williams | 22827 | 3196 T-1 |
| 3332 T-1 | 14.0 | 940905 | 350.96341 | 118.70548 | 285.81832 | 1.55617 | 0.2193331 | 2.3239621 | 15 | 3 | 1971-1992 | 0.77 | Williams | 19879 | 3332 T-1 |
| 4150 T-1 | 13.5 | 940905 | 208.86292 | 288.71083 | 176.89421 | 12.98822 | 0.0833751 | 2.3805524 | 19 | 4 | 1971-1994 | 0.74 | Bardwell | 22274 | 4150 T-1 |
| 1053 T-2 | 14.0 | 940905 | 296.11418 | 223.56013 | 189.44081 | 0.92954 | 0.1985801 | 2.6257301 | 47 | 5 | 1971-1992 | 0.87 | Williams | 21978 | 1053 T-2 |

| | | | | | | | | | | | | | | | |
|----------|------|--------|-----------|-----------|-----------|----------|-----------|-----------|----|---|-----------|------|----------|-------|----------|
| 1306 T-2 | 13.5 | 940905 | 203.72792 | 295.41310 | 111.85066 | 0.51463 | 0.1451606 | 3.2005524 | 52 | 4 | 1953–1994 | 0.97 | Williams | 23686 | 1306 T-2 |
| 1310 T-2 | 15.5 | 940905 | 219.52992 | 345.23530 | 45.71612 | 2.07008 | 0.1854207 | 2.3929663 | 30 | 3 | 1973–1994 | 0.98 | Williams | 20832 | 1310 T-2 |
| 2144 T-2 | 14.5 | 940905 | 143.90151 | 279.29165 | 357.64169 | 4.45390 | 0.1319636 | 2.5348062 | 29 | 3 | 1973–1993 | 1.09 | Williams | 23351 | 2144 T-2 |
| 3067 T-2 | 14.5 | 940905 | 353.80619 | 60.65684 | 132.42995 | 2.20997 | 0.0680376 | 2.1770592 | 28 | 4 | 1954–1988 | 1.27 | Williams | 23351 | 3067 T-2 |
| 3070 T-2 | 13.5 | 940905 | 289.30599 | 4.48374 | 133.21345 | 4.05060 | 0.0820390 | 2.2601746 | 40 | 5 | 1965–1993 | 0.85 | Williams | 22972 | 3070 T-2 |
| 3145 T-2 | 14.0 | 940905 | 115.64759 | 304.03673 | 127.67180 | 4.80542 | 0.1173037 | 2.7960046 | 26 | 4 | 1961–1994 | 1.02 | Williams | 22701 | 3145 T-2 |
| 3262 T-2 | 13.0 | 940905 | 23.23088 | 252.45251 | 43.31226 | 3.41071 | 0.2645504 | 2.3136449 | 34 | 6 | 1973–1994 | 1.07 | Williams | 22088 | 3262 T-2 |
| 3297 T-2 | 14.0 | 940905 | 15.36202 | 174.12115 | 40.49158 | 4.43233 | 0.1600061 | 2.3943942 | 31 | 4 | 1973–1994 | 0.86 | Nakano | 23540 | 3297 T-2 |
| 4234 T-2 | 12.5 | 940905 | 308.22864 | 258.95200 | 29.99657 | 5.26289 | 0.1298553 | 3.1944429 | 31 | 5 | 1971–1994 | 0.88 | Williams | 23540 | 4234 T-2 |
| 4019 T-3 | 14.0 | 940905 | 331.34780 | 176.98783 | 166.09834 | 4.84463 | 0.1116870 | 2.6848233 | 27 | 5 | 1971–1994 | 0.90 | Bardwell | 23540 | 4019 T-3 |
| 4179 T-3 | 11.5 | 940905 | 77.49558 | 25.30474 | 76.85600 | 5.13373 | 0.0149321 | 5.1873349 | 32 | 6 | 1971–1994 | 1.04 | Williams | 23686 | 4179 T-3 |
| 5170 T-3 | 13.0 | 940905 | 197.78316 | 24.65025 | 153.41561 | 10.91382 | 0.1782035 | 2.6325116 | 16 | 2 | 1977–1992 | 0.85 | Williams | 20039 | 5170 T-3 |

NEW NAMES OF MINOR PLANETS

(3239) Meizhou = 1978 UJ₂

Discovered 1978 Oct. 29 at the Purple Mountain Observatory.

Named for the historical cultural city in China, situated in northeastern Guangdong province.

(3241) Yeshuhua = 1978 WH₁₄

Discovered 1978 Nov. 28 at the Purple Mountain Observatory.

Named in honor of Ye Shuhua, well-known Chinese astronomer, member of the Chinese Academy of Sciences and an unfailing friend of the discoverers. She has contributed to the development of modern Chinese astronomy, is an honorary president of the Chinese Astronomical Society and a vice-president of the IAU (1988–1994).

(3427) Szentmártoni = 1938 AD

Discovered 1938 Jan. 6 by G. Kulin at Budapest.

Named in memory of Béla Szentmártoni (1931–1988), outstanding Hungarian amateur astronomer. He founded the Albireo Amateur Astronomical Society and its magazine *Albireo* in 1971 and through his articles and translations helped promote amateur astronomy in Hungary. Béla was an all-rounder, although he specialized in deep-sky and double star observing, as well as variable stars. He was also a mirror maker.

(3458) Boduognat = 1985 RT₃

Discovered 1985 Sept. 7 by H. Debehogne at La Silla.

Named for Boduognat, chief of the Nerviens, a Belgian tribe in the provinces of Hainaut and Brabant. Boduognat fought against the Roman invaders led by Julius Caesar and was defeated and killed at the battle of Sambre in 59 B.C.

(3465) Trevires = 1984 SQ₅

Discovered 1984 Sept. 20 by H. Debehogne at La Silla.

Named for the Trevires, an ancient Belgian tribe, mentioned in Julius Caesar's *Gallie Wars*.

(3509) Sanshui = 1978 UH₂

Discovered 1978 Oct. 28 at the Purple Mountain Observatory.

Named for the Chinese city situated on the delta of the Pearl River.

(3519) Ambiorix = 1984 DO

Discovered 1984 Feb. 23 by H. Debehogne at La Silla.

Named for Ambiorix, chief of the Eburons, an ancient Belgian tribe. Ambiorix revolted against the occupying Roman forces under Julius Caesar and was pursued and killed in the forest. There is a statue of Ambiorix in the town of Tongres.

(3603) Gajdušek = 1981 RM

Discovered 1981 Sept. 5 by L. Brožek at Kleť.

Named in memory of Vilém Gajdušek (1895–1977), Czech optician and maker of many outstanding telescopes at Czech and Slovak observatories. A 0.57-m *f*/5.2 reflector with Gajdušek's main mirror is used at Kleť Observatory for CCD observations of minor planets and comets.

(3646) Aduatiques = 1985 RK₄

Discovered 1985 Sept. 11 by H. Debehogne at La Silla.

Named for the Aduatiques, an ancient Belgian tribe from Namur. The tribe is mentioned in Julius Caesar's *Gallie Wars*.

(3679) Condruses = 1984 DT

Discovered 1984 Feb. 24 by H. Debehogne at La Silla.

Named for the Condruses, an ancient Belgian tribe from southeast Namur and southern Liège. The tribe is mentioned in Julius Caesar's *Gallie Wars*.

(3834) Zappafrank = 1980 JE

Discovered 1980 May 11 by L. Brožek at Kleť.

Named in memory of Frank Zappa (1940–1993), rock musician and composer of innovative contemporary symphonic, chamber and electronic music. Zappa was an eclectic, self-trained artist and composer with incredible energy and a biting wit, and his music transcends the usual music barriers. Before 1989 he was regarded as a symbol of democracy and freedom by many people in Czechoslovakia.

(5198) Fongyunwah = 1975 BP₁

Discovered 1975 Jan. 16 at the Purple Mountain Observatory.

Named in honor of Fong Yunwah, friend and fellow villager of the discoverer, Yang Jiexing. Yang was introduced to astronomy as a child by Fong, who is a folk educationalist and has won the respect of all who know him.

(5504) Lanzerotti = 1985 FC₂

Discovered 1985 Mar. 22 by E. Bowell at the Anderson Mesa Station of Lowell Observatory.

Named in honor of Louis J. Lanzerotti, American space physicist, on the occasion of his completion of six years as chair of the U.S. National Academy of Sciences Space Studies Board. Lanzerotti helped lay the experimental foundation of

our understanding of energetic particles and waves in the Van Allen Belts and in the earth's magnetosphere, and his measurements of solar energetic particles elucidated their propagation in the interplanetary medium and solar corona. His experiments on proton bombardment of ices were applied to spectroscopic characteristics of interstellar grains, comet nuclei, asteroids and icy satellites in planetary magnetospheres, and he showed that the dark color of some of these objects resulted from interactions with particulate radiation. Name suggested and citation prepared by M. S. Allen.

(5667) Nakhimovskaya = 1983 QH₁

Discovered 1983 Aug. 16 by T. M. Smirnova at the Crimean Astrophysical Observatory.

Named on the occasion of the 50th anniversary of the Nakhimov Nautical College (St. Petersburg) named after an outstanding Russian naval commander, Pavel Stepanovich Nakhimov (1802–1855). Founded to train young navigators, many of the colleges former students have become experienced captains and prominent scientists, who have made considerable contributions to the development of Russian science and the Russian navy. The name is given by Institute of Theoretical Astronomy, following a suggestion by the college.

(5671) Chanal = 1985 XR

Discovered 1985 Dec. 13 at Caussols.

Named in honor of Roger Chanal, French amateur astronomer and friend of the discoverer. Roger has over the years built a well-equipped observatory and is a contributor to the MPCs. Apart from his interest in asteroid astrometry, he is also the discoverer of V1118 Orionis, temporarily named "Chanal's object". Name suggested by the discoverer, Robert Chemin, and endorsed by the entire OCA Schmidt telescope team.

(5846) Hessen = 1989 AW₆

Discovered 1989 Jan. 11 by F. Börngen at Tautenburg.

Named for the mountainous German state. The most important towns in the region are Frankfurt/Main, Wiesbaden (the capital), Kassel and Darmstadt.

(5866) Sachsen = 1988 PM₂

Discovered 1988 Aug. 13 by F. Börngen at Tautenburg.

Named for the state of Sachsen, the richest German region in the 15th and 16th centuries. The zenith of the Saxon electors (Dresden baroque) was during the reign of Friedrich August I (August the Strong; 1694–1733). The most important towns in the territory are Dresden (the capital), Leipzig, Chemnitz and Zwickau.

(5873) Archilochos = 1989 SB₃

Discovered 1989 Sept. 26 by E. W. Elst at the European Southern Observatory.

Named for the Greek poet Archilochos (*fl.* 700 B.C.) who, through his provocative attitude against the established moral values of his time, confronted his subjective comprehension of reality, his personal experience and his own notion of morality to the heroic myths of his epoch. Name proposed and citation prepared by Antonia Svarna on the request of the discoverer.

(5896) Narrenschiff = 1982 VV₁₀

Discovered 1982 Nov. 12 by L. G. Karachkina at the Crimean Astrophysical Observatory.

Named in honor of Sebastian Brant (c.1458–1521), an outstanding German writer and humanist, and the author of the immortal satiric poem *Narrenschiff*, published in 26 editions in several European languages in the sixteenth century alone.

The name is given on the occasion of the quincentenary of the publication in Basel in 1494 of the first edition of *Narrenschiff*. Name proposed by L. R. Nemirovskij.

(5900) Jensen = 1986 TL

Discovered 1986 Oct. 3 by P. Jensen, K. Augustesen and H. J. Fogh Olsen at Brorfelde.

Named in honor of Poul B. Jensen, who served in the Meridian Circle Department at the Brorfelde Observatory for 35 years, and his wife, Bodil Jensen. During the past ten years Poul also took part in the minor planet program carried out with the Schmidt telescope. Name proposed by K. Augustesen and H. J. Fogh Olsen.

(5926) Schönfeld = 1929 PB

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

Named in memory of Eduard Schönfeld (1828–1891), famous German astronomer and director at the Mannheim and Bonn observatories. Pupil and, from 1853, assistant of F. W. A. Argelander, Schönfeld took part in the huge *Bonner Durchmusterung* project. His time as director of the Mannheim observatory mainly was devoted to the detection of variable stars. The results were published in two parts in 1866 and 1874. After Argelander's death in 1875, Schönfeld started the task to enlarge the BD to the zone between -2° and -23° . In 1886 his monumental *Südliche Durchmusterung*, containing 24 charts with 133 659 stars, was published, completing the greatest task of the Bonn observatory. Schönfeld also served as an important promoter of the foundation and development of the Astronomische Gesellschaft. Name suggested and citation prepared by L. D. Schmadel.

(5956) d'Alembert = 1988 CF₅

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

Named in memory of Jean Le Rond d'Alembert (1717–1783), French philosopher and mathematician, famous for his mechanical principle (1742). He introduced the calculus of partial differences and solved the problem of the precession of the equinoxes. He is perhaps best remembered for his association with Diderot in the preparation of the *Encyclopaedia*. D'Alembert was much interested in music, both as a science and as an art.

EPHEMERIDES

| 1994 LW | | $a, e, i = 3.16, 0.62, 23$ | | | | Elements MPC 23786 | |
|------------|-----------------|----------------------------|----------|-------|------------|--------------------|------|
| Date TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | V |
| 1994 07 17 | 15 57.27 | +27 40.6 | 0.436 | 1.214 | 106.4 | 53.4 | 17.6 |
| 1994 07 27 | 16 19.89 | +31 51.4 | 0.466 | 1.204 | 102.2 | 55.5 | 17.8 |
| 1994 08 06 | 16 46.57 | +34 33.2 | 0.496 | 1.206 | 100.3 | 55.8 | 17.9 |
| 1994 08 16 | 17 16.85 | +35 56.4 | 0.526 | 1.221 | 100.2 | 54.7 | 18.0 |
| 1994 08 26 | 17 50.06 | +36 08.7 | 0.556 | 1.248 | 101.6 | 52.5 | 18.1 |
| 1994 09 05 | 18 25.31 | +35 15.1 | 0.589 | 1.285 | 104.0 | 49.6 | 18.2 |
| 1994 09 15 | 19 01.64 | +33 23.8 | 0.628 | 1.332 | 107.0 | 46.2 | 18.4 |
| 1994 09 25 | 19 37.86 | +30 48.1 | 0.675 | 1.386 | 109.9 | 42.9 | 18.5 |
| 1994 10 05 | 20 12.95 | +27 45.1 | 0.735 | 1.447 | 112.1 | 39.8 | 18.7 |
| 1994 10 15 | 20 46.26 | +24 35.0 | 0.810 | 1.512 | 113.2 | 37.3 | 18.9 |
| 1994 10 25 | 21 17.40 | +21 35.7 | 0.902 | 1.581 | 112.9 | 35.4 | 19.2 |
| 1994 11 04 | 21 46.29 | +18 59.3 | 1.012 | 1.653 | 111.2 | 34.0 | 19.5 |
| 1994 11 14 | 22 13.11 | +16 52.6 | 1.139 | 1.727 | 108.3 | 32.9 | 19.9 |
| 1994 11 24 | 22 38.06 | +15 16.8 | 1.281 | 1.803 | 104.5 | 32.0 | 20.2 |
| 1994 12 04 | 23 01.41 | +14 10.0 | 1.437 | 1.879 | 100.0 | 31.1 | 20.5 |
| 1994 12 14 | 23 23.44 | +13 28.8 | 1.605 | 1.955 | 95.0 | 30.1 | 20.8 |

1993 PC

$a, e, i = 1.15, 0.47, 4$

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | V |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|------|
| 1994 07 17 | | 17 13.64 | -33 50.2 | 0.431 | 1.390 | 144.5 | 25.2 | 18.2 |
| 1994 07 27 | | 17 12.37 | -31 28.8 | 0.533 | 1.444 | 135.3 | 29.7 | 18.9 |
| 1994 08 06 | | 17 16.89 | -29 49.2 | 0.644 | 1.493 | 126.9 | 32.9 | 19.5 |
| 1994 08 16 | | 17 25.37 | -28 37.3 | 0.762 | 1.536 | 119.2 | 35.1 | 20.0 |
| 1994 08 26 | | 17 36.67 | -27 43.0 | 0.885 | 1.575 | 112.1 | 36.5 | 20.4 |
| 1994 09 05 | | 17 50.04 | -26 59.0 | 1.012 | 1.608 | 105.5 | 37.2 | 20.8 |

| Elements | MPC | 23784 | 1994 09 30 | 21 03.81 | -39 56.8 | 2.018 | 2.634 | 117.4 | 19.7 | 15.7 |
|----------|-----|-------|------------|----------|----------|-------|-------|-------|------|------|
| | | | 1994 10 05 | 21 05.79 | -39 03.1 | 2.061 | 2.628 | 113.7 | 20.4 | 15.8 |

1994 LC₁

$a, e, i = 2.78, 0.52, 12$

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | V |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|------|
| 1994 07 17 | | 22 45.19 | -47 40.5 | 0.486 | 1.404 | 135.3 | 30.6 | 17.0 |
| 1994 07 27 | | 23 01.64 | -47 21.2 | 0.445 | 1.377 | 137.6 | 29.8 | 16.7 |
| 1994 08 06 | | 23 12.24 | -46 07.4 | 0.412 | 1.357 | 140.3 | 28.5 | 16.5 |
| 1994 08 16 | | 23 16.59 | -43 43.4 | 0.388 | 1.346 | 143.8 | 26.4 | 16.3 |
| 1994 08 26 | | 23 15.83 | -39 57.0 | 0.374 | 1.342 | 147.9 | 23.5 | 16.1 |
| 1994 09 05 | | 23 12.05 | -34 48.6 | 0.372 | 1.348 | 151.9 | 20.7 | 16.0 |
| 1994 09 15 | | 23 07.96 | -28 36.2 | 0.384 | 1.361 | 154.0 | 18.9 | 16.1 |
| 1994 09 25 | | 23 05.78 | -21 57.5 | 0.412 | 1.383 | 152.9 | 19.3 | 16.3 |
| 1994 10 05 | | 23 06.55 | -15 32.1 | 0.457 | 1.411 | 148.8 | 21.5 | 16.6 |
| 1994 10 15 | | 23 10.61 | -09 45.3 | 0.519 | 1.447 | 143.2 | 24.4 | 17.0 |
| 1994 10 25 | | 23 17.69 | -04 46.5 | 0.597 | 1.488 | 137.0 | 27.1 | 17.5 |
| 1994 11 04 | | 23 27.29 | -00 33.1 | 0.689 | 1.534 | 130.8 | 29.3 | 17.9 |
| 1994 11 14 | | 23 38.98 | +03 02.8 | 0.795 | 1.584 | 124.8 | 30.9 | 18.3 |
| 1994 11 24 | | 23 52.31 | +06 09.6 | 0.913 | 1.637 | 119.0 | 31.9 | 18.7 |
| 1994 12 04 | | 00 06.90 | +08 54.1 | 1.042 | 1.693 | 113.3 | 32.3 | 19.1 |
| 1994 12 14 | | 00 22.52 | +11 22.2 | 1.180 | 1.751 | 107.7 | 32.4 | 19.4 |
| 1994 12 24 | | 00 38.94 | +13 37.5 | 1.328 | 1.811 | 102.2 | 32.1 | 19.8 |
| 1995 01 03 | | 00 55.98 | +15 42.6 | 1.483 | 1.872 | 96.7 | 31.4 | 20.1 |

1994 LX

$a, e, i = 1.26, 0.35, 37$

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | V |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|------|
| 1994 07 17 | | 20 02.97 | -28 16.4 | 0.650 | 1.663 | 171.9 | 5.0 | 15.6 |
| 1994 07 27 | | 19 34.63 | -35 10.6 | 0.653 | 1.646 | 160.7 | 11.8 | 15.9 |
| 1994 08 06 | | 19 05.30 | -40 49.5 | 0.686 | 1.625 | 145.0 | 21.0 | 16.3 |
| 1994 08 16 | | 18 40.12 | -44 51.0 | 0.744 | 1.601 | 130.8 | 28.6 | 16.6 |
| 1994 08 26 | | 18 22.60 | -47 31.8 | 0.816 | 1.573 | 118.5 | 34.4 | 17.0 |
| 1994 09 05 | | 18 13.75 | -49 19.4 | 0.894 | 1.541 | 108.1 | 38.4 | 17.2 |
| 1994 09 15 | | 18 13.14 | -50 35.5 | 0.973 | 1.507 | 99.2 | 41.2 | 17.4 |
| 1994 09 25 | | 18 19.65 | -51 32.7 | 1.047 | 1.468 | 91.5 | 43.1 | 17.6 |
| 1994 10 05 | | 18 32.26 | -52 16.2 | 1.113 | 1.427 | 84.8 | 44.3 | 17.7 |
| 1994 10 15 | | 18 50.17 | -52 47.1 | 1.167 | 1.382 | 78.9 | 45.1 | 17.8 |
| 1994 10 25 | | 19 12.67 | -53 03.7 | 1.209 | 1.334 | 73.8 | 45.7 | 17.8 |
| 1994 11 04 | | 19 39.23 | -53 01.8 | 1.236 | 1.283 | 69.4 | 46.3 | 17.8 |
| 1994 11 14 | | 20 09.35 | -52 36.1 | 1.246 | 1.230 | 65.6 | 47.1 | 17.7 |
| 1994 11 24 | | 20 42.35 | -51 40.0 | 1.240 | 1.175 | 62.5 | 48.2 | 17.6 |

1994 ND

$a, e, i = 2.14, 0.51, 27$

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | V |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|------|
| 1994 07 17 | | 00 24.46 | -61 04.6 | 0.167 | 1.105 | 118.2 | 54.2 | 16.3 |
| 1994 07 27 | | 03 37.29 | -61 58.2 | 0.225 | 1.073 | 98.8 | 69.2 | 17.3 |
| 1994 08 06 | | 04 57.64 | -56 33.7 | 0.297 | 1.054 | 89.4 | 74.2 | 18.1 |
| 1994 08 16 | | 05 31.94 | -52 23.2 | 0.369 | 1.048 | 85.1 | 74.3 | 18.5 |
| 1994 08 26 | | 05 49.77 | -49 25.4 | 0.434 | 1.055 | 83.7 | 72.2 | 18.8 |
| 1994 09 05 | | 05 59.67 | -47 16.4 | 0.489 | 1.076 | 84.3 | 68.8 | 19.0 |
| 1994 09 15 | | 06 04.05 | -45 39.3 | 0.533 | 1.109 | 86.5 | 64.9 | 19.2 |
| 1994 09 25 | | 06 03.51 | -44 20.5 | 0.566 | 1.152 | 90.0 | 60.5 | 19.2 |
| 1994 10 05 | | 05 57.74 | -43 07.4 | 0.587 | 1.203 | 95.0 | 55.9 | 19.3 |
| 1994 10 15 | | 05 46.24 | -41 41.6 | 0.601 | 1.261 | 101.3 | 50.9 | 19.3 |
| 1994 10 25 | | 05 29.17 | -39 40.6 | 0.611 | 1.323 | 108.7 | 45.4 | 19.3 |
| 1994 11 04 | | 05 07.65 | -36 41.0 | 0.622 | 1.389 | 116.9 | 39.5 | 19.3 |
| 1994 11 14 | | 04 44.17 | -32 25.7 | 0.642 | 1.457 | 125.2 | 33.7 | 19.3 |
| 1994 11 24 | | 04 22.00 | -26 58.6 | 0.677 | 1.527 | 132.2 | 28.6 | 19.3 |
| 1994 12 04 | | 04 03.70 | -20 45.7 | 0.732 | 1.596 | 136.1 | 25.3 | 19.5 |
| 1994 12 14 | | 03 50.69 | -14 22.6 | 0.811 | 1.666 | 136.0 | 24.2 | 19.8 |
| 1994 12 24 | | 03 43.09 | -08 20.3 | 0.913 | 1.735 | 132.3 | 24.8 | 20.1 |
| 1995 01 03 | | 03 40.30 | -02 55.3 | 1.037 | 1.803 | 126.4 | 26.0 | 20.5 |

1994 NK

$a, e, i = 2.44, 0.55, 6$

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | V |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|------|
| 1994 07 17 | | 21 29.68 | -14 19.0 | 0.254 | 1.250 | 154.1 | 20.8 | 18.3 |
| 1994 07 27 | | 21 27.60 | -18 10.4 | 0.302 | 1.309 | 165.0 | 11.5 | 18.5 |
| 1994 08 06 | | 21 23.43 | -20 57.2 | 0.361 | 1.374 | 173.7 | 4.6 | 18.7 |
| 1994 08 16 | | 21 19.65 | -22 42.9 | 0.435 | 1.443 | 169.8 | 7.2 | 19.3 |
| 1994 08 26 | | 21 17.86 | -23 36.8 | 0.523 | 1.513 | 160.5 | 12.8 | 20.0 |
| 1994 09 05 | | 21 18.68 | -23 50.7 | 0.625 | 1.586 | 151.4 | 17.7 | 20.7 |
| 1994 09 15 | | 21 22.20 | -23 34.6 | 0.742 | 1.659 | 142.9 | 21.5 | 21.3 |

Periodic Comet McNaught-Hartley (1994n)

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | m_1 |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|-------|
| 1994 07 17 | | 21 33.69 | -42 57.5 | 1.867 | 2.785 | 148.6 | 11.0 | 15.8 |
| 1994 07 22 | | 21 31.52 | -43 25.8 | 1.841 | 2.771 | 150.7 | 10.3 | 15.8 |
| 1994 07 27 | | 21 28.85 | -43 50.2 | 1.820 | 2.758 | 152.0 | 10.0 | 15.7 |
| 1994 08 01 | | 21 25.77 | -44 09.9 | 1.804 | 2.745 | 152.5 | 9.8 | 15.7 |
| 1994 08 06 | | 21 22.41 | -44 23.8 | 1.794 | 2.732 | 152.1 | 10.0 | 15.6 |
| 1994 08 11 | | 21 18.90 | -44 31.5 | 1.790 | 2.720 | 150.8 | 10.5 | 15.6 |
| 1994 08 16 | | 21 15.39 | -44 32.3 | 1.792 | 2.709 | 148.8 | 11.2 | 15.6 |
| 1994 08 21 | | 21 12.05 | -44 26.1 | 1.798 | 2.698 | 146.2 | 12.0 | 15.6 |
| 1994 08 26 | | 21 09.01 | -44 13.0 | 1.810 | 2.688 | 143.2 | 13.0 | 15.6 |
| 1994 08 31 | | 21 06.38 | -43 53.1 | 1.827 | 2.678 | 139.8 | 14.1 | 15.6 |
| 1994 09 05 | | 21 04.28 | -43 26.8 | 1.849 | 2.669 | 136.2 | 15.2 | 15.6 |
| 1994 09 10 | | 21 02.80 | -42 54.4 | 1.875 | 2.661 | 132.5 | 16.2 | 15.6 |
| 1994 09 15 | | 21 02.00 | -42 16.6 | 1.905 | 2.653 | 128.8 | 17.2 | 15.6 |
| 1994 09 20 | | 21 01.90 | -41 34.1 | 1.939 | 2.646 | 125.0 | 18.1 | 15.7 |
| 1994 09 25 | | 21 02.51 | -40 47.3 | 1.977 | 2.639 | 121.2 | 19.0 | 15.7 |

(5587) 1990 SB

$a, e, i = 2.39, 0.55, 18$

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | V |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|------|
| 1994 07 17 | | 03 21.60 | +14 05.2 | 2.301 | 2.045 | 62.7 | 26.2 | 18.2 |
| 1994 07 27 | | 03 35.86 | +13 52.1 | 2.254 | 2.113 | 68.9 | 26.6 | 18.2 |
| 1994 08 06 | | 03 48.31 | +13 25.6 | 2.198 | 2.180 | 75.6 | 26.8 | 18.2 |
| 1994 08 16 | | 03 58.71 | +12 45.6 | 2.134 | 2.245 | 82.8 | 26.6 | 18.2 |
| 1994 08 26 | | 04 06.85 | +11 52.4 | 2.065 | 2.309 | 90.6 | 26.0 | 18.2 |
| 1994 09 05 | | 04 12.46 | +10 46.2 | 1.995 | 2.371 | 99.0 | 24.8 | 18.1 |
| 1994 09 15 | | 04 15.26 | +09 27.6 | 1.925 | 2.432 | 108.0 | 23.2 | 18.1 |

| | | | | | | | |
|------------|----------|----------|-------|-------|-------|------|------|
| 1994 09 25 | 04 15.06 | +07 58.0 | 1.862 | 2.491 | 117.7 | 20.9 | 18.0 |
| 1994 10 05 | 04 11.76 | +06 19.7 | 1.809 | 2.549 | 128.0 | 18.0 | 17.9 |
| 1994 10 15 | 04 05.46 | +04 37.0 | 1.772 | 2.605 | 138.6 | 14.7 | 17.7 |
| 1994 10 25 | 03 56.63 | +02 55.7 | 1.757 | 2.659 | 149.1 | 11.1 | 17.6 |
| 1994 11 04 | 03 46.00 | +01 22.7 | 1.768 | 2.712 | 157.8 | 7.9 | 17.6 |
| 1994 11 14 | 03 34.64 | +00 05.4 | 1.808 | 2.764 | 161.4 | 6.6 | 17.6 |
| 1994 11 24 | 03 23.68 | -00 51.2 | 1.878 | 2.813 | 157.1 | 7.8 | 17.8 |
| 1994 12 04 | 03 14.11 | -01 24.6 | 1.976 | 2.862 | 148.4 | 10.4 | 18.0 |
| 1994 12 14 | 03 06.64 | -01 35.2 | 2.099 | 2.909 | 138.3 | 13.0 | 18.3 |
| 1994 12 24 | 03 01.62 | -01 26.0 | 2.243 | 2.954 | 128.2 | 15.2 | 18.5 |
| 1995 01 03 | 02 59.10 | -01 00.5 | 2.404 | 2.998 | 118.3 | 16.8 | 18.8 |
| 1995 01 13 | 02 58.97 | -00 22.7 | 2.576 | 3.040 | 108.9 | 17.8 | 19.0 |
| 1995 01 23 | 03 00.99 | +00 23.9 | 2.755 | 3.081 | 99.9 | 18.3 | 19.2 |
| 1995 02 02 | 03 04.89 | +01 16.2 | 2.938 | 3.121 | 91.3 | 18.4 | 19.4 |
| 1995 02 12 | 03 10.41 | +02 11.9 | 3.121 | 3.159 | 83.2 | 18.1 | 19.5 |

(5751) 1992 AC $a, e, i = 2.10, 0.42, 16$ Elements MPC 22679

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | V |
|------------|----------|-----------------|-----------------|----------|-------|------------|--------|-----|
| 1994 07 17 | 03 21.82 | +03 28.3 | 2.456 | 2.246 | 66.2 | 24.4 | 18.2 | |
| 1994 07 27 | 03 38.84 | +03 49.3 | 2.305 | 2.200 | 71.2 | 25.9 | 18.1 | |
| 1994 08 06 | 03 55.81 | +03 59.1 | 2.152 | 2.151 | 76.3 | 27.3 | 17.9 | |
| 1994 08 16 | 04 12.63 | +03 56.9 | 1.998 | 2.102 | 81.5 | 28.5 | 17.8 | |
| 1994 08 26 | 04 29.18 | +03 42.1 | 1.845 | 2.051 | 86.7 | 29.5 | 17.6 | |
| 1994 09 05 | 04 45.31 | +03 14.0 | 1.693 | 2.000 | 91.9 | 30.3 | 17.4 | |
| 1994 09 15 | 05 00.81 | +02 32.6 | 1.544 | 1.947 | 97.3 | 30.8 | 17.1 | |
| 1994 09 25 | 05 15.47 | +01 38.0 | 1.400 | 1.894 | 102.8 | 31.1 | 16.8 | |
| 1994 10 05 | 05 28.99 | +00 31.0 | 1.260 | 1.839 | 108.4 | 31.1 | 16.6 | |
| 1994 10 15 | 05 41.00 | -00 46.4 | 1.127 | 1.785 | 114.2 | 30.6 | 16.2 | |
| 1994 10 25 | 05 51.09 | -02 11.0 | 1.001 | 1.730 | 120.2 | 29.8 | 15.9 | |
| 1994 11 04 | 05 58.73 | -03 37.5 | 0.884 | 1.675 | 126.4 | 28.5 | 15.5 | |
| 1994 11 14 | 06 03.34 | -04 57.0 | 0.776 | 1.620 | 132.8 | 26.6 | 15.1 | |
| 1994 11 24 | 06 04.38 | -05 56.7 | 0.680 | 1.566 | 139.2 | 24.3 | 14.7 | |
| 1994 12 04 | 06 01.39 | -06 18.2 | 0.595 | 1.513 | 145.3 | 21.8 | 14.2 | |
| 1994 12 14 | 05 54.42 | -05 37.9 | 0.524 | 1.463 | 150.3 | 19.5 | 13.8 | |
| 1994 12 24 | 05 44.36 | -03 31.4 | 0.468 | 1.415 | 152.4 | 18.8 | 13.5 | |
| 1995 01 03 | 05 33.04 | +00 18.6 | 0.426 | 1.370 | 150.2 | 20.9 | 13.3 | |
| 1995 01 13 | 05 23.29 | +05 50.6 | 0.401 | 1.329 | 144.1 | 25.7 | 13.2 | |
| 1995 01 23 | 05 17.96 | +12 39.0 | 0.390 | 1.293 | 136.0 | 31.9 | 13.3 | |
| 1995 02 02 | 05 19.22 | +20 03.3 | 0.393 | 1.264 | 127.6 | 38.1 | 13.4 | |
| 1995 02 12 | 05 28.59 | +27 21.1 | 0.406 | 1.241 | 120.1 | 43.5 | 13.6 | |
| 1995 02 22 | 05 46.73 | +33 58.9 | 0.428 | 1.226 | 113.8 | 47.6 | 13.8 | |
| 1995 03 04 | 06 13.83 | +39 31.2 | 0.456 | 1.219 | 109.0 | 50.3 | 14.0 | |
| 1995 03 14 | 06 49.44 | +43 39.0 | 0.491 | 1.220 | 105.4 | 51.8 | 14.2 | |
| 1995 03 24 | 07 31.76 | +46 09.0 | 0.530 | 1.230 | 103.0 | 52.2 | 14.4 | |
| 1995 04 03 | 08 17.78 | +46 55.0 | 0.574 | 1.247 | 101.4 | 51.8 | 14.6 | |
| 1995 04 13 | 09 03.91 | +46 02.3 | 0.623 | 1.272 | 100.3 | 50.8 | 14.8 | |
| 1995 04 23 | 09 47.10 | +43 46.6 | 0.678 | 1.303 | 99.6 | 49.5 | 15.0 | |
| 1995 05 03 | 10 25.89 | +40 28.1 | 0.740 | 1.341 | 99.0 | 48.0 | 15.2 | |
| 1995 05 13 | 11 00.17 | +36 27.9 | 0.809 | 1.383 | 98.3 | 46.3 | 15.4 | |
| 1995 05 23 | 11 30.43 | +32 04.2 | 0.887 | 1.429 | 97.3 | 44.7 | 15.6 | |
| 1995 06 02 | 11 57.49 | +27 30.4 | 0.973 | 1.478 | 96.0 | 43.0 | 15.9 | |
| 1995 06 12 | 12 22.13 | +22 56.9 | 1.068 | 1.529 | 94.4 | 41.5 | 16.1 | |
| 1995 06 22 | 12 44.94 | +18 30.8 | 1.172 | 1.582 | 92.3 | 39.9 | 16.3 | |

| | | | | | | | |
|------------|----------|----------|-------|-------|------|------|------|
| 1995 07 02 | 13 06.44 | +14 16.3 | 1.285 | 1.636 | 89.8 | 38.4 | 16.6 |
| 1995 07 12 | 13 27.02 | +10 16.4 | 1.406 | 1.691 | 87.0 | 36.9 | 16.8 |
| 1995 07 22 | 13 46.95 | +06 32.5 | 1.534 | 1.746 | 83.8 | 35.4 | 17.0 |

Comet Nakamura-Nishimura-Machholz (1994m) Elements MPC 23766

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | m_1 |
|------------|----------|-----------------|-----------------|----------|-------|------------|--------|-------|
| 1994 07 17 | 03 24.30 | +69 50.4 | 1.195 | 1.143 | 61.6 | 51.5 | 9.0 | |
| 1994 07 22 | 03 04.78 | +69 29.9 | 1.099 | 1.150 | 65.8 | 53.6 | 8.8 | |
| 1994 07 27 | 02 41.11 | +68 55.1 | 0.998 | 1.163 | 70.6 | 55.4 | 8.7 | |
| 1994 08 01 | 02 12.44 | +67 55.0 | 0.894 | 1.181 | 76.2 | 56.5 | 8.5 | |
| 1994 08 06 | 01 38.23 | +66 10.6 | 0.787 | 1.204 | 82.9 | 56.7 | 8.3 | |
| 1994 08 11 | 00 58.91 | +63 09.2 | 0.682 | 1.232 | 91.1 | 55.3 | 8.1 | |
| 1994 08 16 | 00 16.48 | +57 59.2 | 0.582 | 1.264 | 101.4 | 51.7 | 7.8 | |
| 1994 08 21 | 23 34.31 | +49 28.5 | 0.494 | 1.300 | 114.9 | 44.9 | 7.6 | |
| 1994 08 26 | 22 55.81 | +36 28.6 | 0.431 | 1.338 | 132.2 | 34.0 | 7.4 | |
| 1994 08 31 | 22 23.13 | +19 24.3 | 0.406 | 1.380 | 151.6 | 20.3 | 7.4 | |
| 1994 09 05 | 21 56.90 | +01 40.6 | 0.429 | 1.425 | 163.2 | 11.8 | 7.7 | |
| 1994 09 10 | 21 36.67 | -12 52.5 | 0.495 | 1.471 | 155.1 | 16.8 | 8.2 | |
| 1994 09 15 | 21 21.56 | -23 15.9 | 0.591 | 1.519 | 142.9 | 23.5 | 8.7 | |
| 1994 09 20 | 21 10.62 | -30 22.2 | 0.705 | 1.569 | 132.6 | 28.1 | 9.2 | |
| 1994 09 25 | 21 03.00 | -35 15.3 | 0.829 | 1.621 | 124.1 | 30.8 | 9.7 | |
| 1994 09 30 | 20 58.04 | -38 41.0 | 0.960 | 1.673 | 117.1 | 32.2 | 10.1 | |
| 1994 10 05 | 20 55.23 | -41 08.6 | 1.095 | 1.727 | 111.0 | 32.7 | 10.6 | |

1994 JX $a, e, i = 2.74, 0.58, 33$ Elements MPC 23786

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | V |
|------------|---------|-----------------|-----------------|----------|-------|------------|--------|-----|
| 1994 07 17 | 08 46.9 | -80 14.4 | 0.632 | 1.303 | 101.8 | 49.8 | 18.9 | |
| 1994 07 27 | 08 36.0 | -83 09.2 | 0.711 | 1.360 | 102.5 | 46.8 | 19.2 | |
| 1994 08 06 | 08 15 | -86 39.0 | 0.788 | 1.422 | 103.5 | 43.9 | 19.4 | |
| 1994 08 16 | 23 31 | -88 59.0 | 0.864 | 1.489 | 104.8 | 41.1 | 19.7 | |
| 1994 08 26 | 21 34.2 | -84 34.7 | 0.942 | 1.559 | 105.9 | 38.6 | 19.9 | |
| 1994 09 05 | 21 29.7 | -79 39.0 | 1.025 | 1.630 | 106.6 | 36.4 | 20.1 | |
| 1994 09 15 | 21 34.5 | -74 28.0 | 1.116 | 1.703 | 106.7 | 34.4 | 20.3 | |

Periodic Comet Longmore Elements MPC 20123

| Date | TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | m_2 |
|------------|----------|-----------------|-----------------|----------|-------|------------|--------|-------|
| 1994 08 26 | 08 48.05 | +37 57.0 | 4.158 | 3.369 | 34.1 | 9.7 | 18.9 | |
| 1994 09 05 | 09 04.44 | +37 10.9 | 4.056 | 3.337 | 39.3 | 11.0 | 18.8 | |
| 1994 09 15 | 09 20.46 | +36 24.5 | 3.941 | 3.304 | 44.7 | 12.4 | 18.8 | |
| 1994 09 25 | 09 36.01 | +35 38.8 | 3.816 | 3.271 | 50.5 | 13.7 | 18.8 | |
| 1994 10 05 | 09 51.03 | +34 54.9 | 3.682 | 3.238 | 56.4 | 14.9 | 18.7 | |
| 1994 10 15 | 10 05.42 | +34 14.1 | 3.539 | 3.205 | 62.6 | 16.0 | 18.6 | |
| 1994 10 25 | 10 19.08 | +33 37.9 | 3.390 | 3.172 | 69.0 | 17.0 | 18.6 | |
| 1994 11 04 | 10 31.90 | +33 07.6 | 3.235 | 3.140 | 75.7 | 17.8 | 18.5 | |
| 1994 11 14 | 10 43.69 | +32 45.0 | 3.076 | 3.107 | 82.5 | 18.4 | 18.3 | |
| 1994 11 24 | 10 54.28 | +32 31.4 | 2.916 | 3.074 | 89.7 | 18.7 | 18.2 | |
| 1994 12 04 | 11 03.45 | +32 28.5 | 2.757 | 3.042 | 97.2 | 18.8 | 18.1 | |
| 1994 12 14 | 11 10.90 | +32 37.3 | 2.601 | 3.009 | 104.9 | 18.4 | 17.9 | |
| 1994 12 24 | 11 16.33 | +32 58.2 | 2.452 | 2.977 | 113.0 | 17.7 | 17.7 | |
| 1995 01 03 | 11 19.37 | +33 30.8 | 2.312 | 2.946 | 121.3 | 16.6 | 17.6 | |
| 1995 01 13 | 11 19.68 | +34 12.9 | 2.185 | 2.914 | 129.8 | 15.0 | 17.4 | |
| 1995 01 23 | 11 17.00 | +35 00.0 | 2.075 | 2.883 | 138.0 | 13.2 | 17.2 | |
| 1995 02 02 | 11 11.23 | +35 45.8 | 1.985 | 2.852 | 145.5 | 11.3 | 17.0 | |
| 1995 02 12 | 11 02.66 | +36 21.3 | 1.918 | 2.822 | 151.0 | 9.8 | 16.8 | |

| | | | | | | | |
|------------|----------|----------|-------|-------|-------|------|------|
| 1995 02 22 | 10 52.00 | +36 37.6 | 1.876 | 2.792 | 152.8 | 9.3 | 16.7 |
| 1995 03 04 | 10 40.37 | +36 27.2 | 1.860 | 2.763 | 150.0 | 10.3 | 16.7 |
| 1995 03 14 | 10 29.15 | +35 46.5 | 1.870 | 2.735 | 143.7 | 12.4 | 16.8 |
| 1995 03 24 | 10 19.60 | +34 36.7 | 1.902 | 2.707 | 135.7 | 14.9 | 16.9 |
| 1995 04 03 | 10 12.59 | +33 02.2 | 1.955 | 2.680 | 127.1 | 17.3 | 17.0 |
| 1995 04 13 | 10 08.58 | +31 08.7 | 2.025 | 2.654 | 118.5 | 19.4 | 17.1 |
| 1995 04 23 | 10 07.57 | +29 02.0 | 2.107 | 2.629 | 110.1 | 21.0 | 17.2 |
| 1995 05 03 | 10 09.35 | +26 46.4 | 2.199 | 2.605 | 102.1 | 22.2 | 17.4 |
| 1995 05 13 | 10 13.60 | +24 25.2 | 2.297 | 2.581 | 94.6 | 23.0 | 17.5 |
| 1995 05 23 | 10 19.93 | +22 00.1 | 2.397 | 2.559 | 87.4 | 23.3 | 17.5 |
| 1995 06 02 | 10 28.00 | +19 32.3 | 2.499 | 2.538 | 80.5 | 23.2 | 17.6 |
| 1995 06 12 | 10 37.52 | +17 02.4 | 2.600 | 2.519 | 74.1 | 22.8 | 17.7 |
| 1995 06 22 | 10 48.22 | +14 30.6 | 2.699 | 2.500 | 67.9 | 22.1 | 17.7 |
| 1995 07 02 | 10 59.90 | +11 57.1 | 2.794 | 2.483 | 61.9 | 21.2 | 17.7 |
| 1995 07 12 | 11 12.41 | +09 21.9 | 2.883 | 2.467 | 56.2 | 20.0 | 17.8 |
| 1995 07 22 | 11 25.62 | +06 45.3 | 2.968 | 2.453 | 50.7 | 18.7 | 17.8 |
| 1995 08 01 | 11 39.45 | +04 07.4 | 3.045 | 2.441 | 45.3 | 17.2 | 17.8 |
| 1995 08 11 | 11 53.82 | +01 28.4 | 3.116 | 2.430 | 40.1 | 15.6 | 17.7 |
| 1995 08 21 | 12 08.69 | -01 11.3 | 3.180 | 2.420 | 34.9 | 13.8 | 17.7 |

| | | | | | | | |
|------------|----------|----------|-------|-------|------|-----|------|
| 1995 07 02 | 09 18.97 | +14 00.6 | 7.015 | 6.246 | 38.1 | 5.8 | 16.2 |
| 1995 07 12 | 09 25.45 | +13 25.9 | 7.106 | 6.248 | 30.2 | 4.7 | 16.1 |

OPPOSITION DATA

| Planet | Opposition | α_{2000} | δ_{2000} | V | $\dot{\alpha}$ | $\dot{\delta}$ | ϕ_{MIN} | MPC |
|-----------------------|------------|-----------------|-----------------|------|----------------|----------------|---------------------|-------|
| 1981 QK | 94 06 22.1 | 18 02.40 | -34 35.6 | 16.8 | -1.25 | - 0.7 | 5.3/21.9 | 21968 |
| 5006 T-2 | 94 06 22.4 | 18 03.93 | -30 47.4 | 18.5 | -0.88 | + 1.1 | 2.0/22.5 | 16038 |
| 1988 CL | 94 06 22.5 | 18 04.50 | -36 31.4 | 17.7 | -1.07 | + 0.8 | 4.0/22.6 | 22079 |
| (5607) | 94 06 22.6 | 18 04.62 | -11 33.5 | 16.1 | -0.91 | - 1.2 | 4.5/22.8 | 22219 |
| 1981 ER ₄₇ | 94 06 22.7 | 18 04.92 | -26 46.7 | 16.7 | -1.07 | - 0.8 | 1.3/22.7 | 23535 |
| 1973 SA ₂ | 94 06 22.8 | 18 05.50 | -25 02.0 | 17.9 | -0.56 | - 0.7 | 0.3/22.8 | 22072 |
| 1982 FP ₃ | 94 06 23.0 | 18 06.17 | -24 51.6 | 16.3 | -0.87 | - 0.8 | 0.5/23.0 | 21968 |
| 1993 BN | 94 06 23.2 | 18 07.00 | -34 39.8 | 16.8 | -1.10 | + 2.2 | 4.1/23.5 | 22086 |
| 1990 VR ₃ | 94 06 23.3 | 18 07.77 | -31 33.5 | 17.1 | -0.89 | - 1.2 | 2.3/23.2 | 23789 |
| 1990 SM ₉ | 94 06 23.5 | 18 08.53 | -22 04.5 | 16.5 | -0.90 | - 1.0 | 0.5/23.6 | 23537 |
| 1981 EF ₂₁ | 94 06 23.7 | 18 09.50 | -08 19.4 | 18.9 | -0.92 | - 1.2 | 6.0/24.3 | 22429 |
| 1990 QS ₂ | 94 06 23.8 | 18 09.55 | -20 15.6 | 16.4 | -0.88 | - 0.7 | 1.1/23.9 | 22272 |
| 1989 AZ ₅ | 94 06 23.8 | 18 09.73 | -21 23.8 | 16.6 | -1.01 | - 1.6 | 0.7/23.9 | 14954 |
| 1990 UT ₁₀ | 94 06 23.8 | 18 09.79 | -22 01.9 | 16.9 | -0.87 | - 0.4 | 0.4/23.9 | 22054 |
| (5603) | 94 06 23.9 | 18 09.85 | -17 42.0 | 15.7 | -0.68 | 0.0 | 1.5/24.0 | 22217 |
| 1981 RR ₃ | 94 06 24.2 | 18 11.32 | -12 04.3 | 16.1 | -1.04 | - 0.3 | 5.6/24.3 | 21968 |
| 1991 UK ₃ | 94 06 24.3 | 18 11.72 | -09 02.9 | 17.4 | -0.79 | + 1.2 | 4.0/24.4 | 22273 |
| 1991 CZ | 94 06 24.4 | 18 12.15 | +19 43.9 | 15.7 | -1.11 | - 8.2 | 22.3/01.5 | 23684 |
| 1993 FJ ₁₀ | 94 06 24.5 | 18 12.44 | -25 18.9 | 16.0 | -0.92 | - 1.1 | 0.6/24.5 | 23522 |
| 1976 DJ ₁ | 94 06 24.5 | 18 12.50 | -20 25.4 | 17.1 | -0.71 | - 1.4 | 0.8/24.6 | 22681 |
| 1990 OB ₄ | 94 06 24.6 | 18 12.98 | -22 57.9 | 16.7 | -1.06 | + 5.2 | 0.2/24.6 | 22082 |
| 1936 UG | 94 06 24.7 | 18 13.29 | -21 20.9 | 17.3 | -0.98 | - 1.6 | 0.7/24.8 | 19671 |
| 1993 FA ₂₃ | 94 06 24.8 | 18 13.76 | -16 09.2 | 17.3 | -0.83 | + 0.5 | 2.4/24.9 | 23524 |
| 1984 SD ₆ | 94 06 24.9 | 18 14.07 | -33 46.0 | 17.7 | -1.22 | - 1.2 | 4.6/24.5 | 21934 |
| 1973 SH ₁ | 94 06 24.9 | 18 14.08 | -21 51.0 | 17.0 | -0.54 | - 0.5 | 0.3/25.0 | 21963 |
| 2041 P-L | 94 06 24.9 | 18 14.36 | -47 42.7 | 18.1 | -1.27 | - 0.1 | 9.5/24.4 | 22432 |
| 1993 FM ₂₃ | 94 06 25.0 | 18 14.68 | -22 27.5 | 18.8 | -0.97 | - 0.1 | 0.3/25.1 | 23525 |
| 1989 VW | 94 06 25.0 | 18 14.71 | -29 12.9 | 17.6 | -0.70 | - 0.8 | 1.3/24.9 | 22431 |
| 1988 RV ₁₂ | 94 06 25.1 | 18 15.04 | -02 29.3 | 18.9 | -0.61 | - 0.2 | 4.7/25.7 | 15715 |
| 1970 WD | 94 06 25.2 | 18 15.58 | -19 47.4 | 16.3 | -1.09 | + 3.0 | 1.5/25.2 | 23787 |
| (5623) | 94 06 25.5 | 18 16.56 | -07 26.6 | 16.0 | -0.81 | - 1.0 | 5.4/26.0 | 22393 |
| 1980 KM | 94 06 25.5 | 18 16.61 | -16 26.7 | 16.6 | -0.90 | + 1.6 | 2.8/25.5 | 23787 |
| 1986 TR ₄ | 94 06 25.5 | 18 16.79 | -23 11.7 | 16.4 | -1.00 | + 1.1 | 0.1/25.6 | 23536 |
| 1994 NS | 94 06 25.7 | 18 17.41 | -07 41.4 | 15.3 | -0.73 | + 3.1 | 9.6/25.3 | 23786 |
| 1984 DE | 94 06 25.7 | 18 17.68 | -30 33.2 | 16.5 | -1.03 | + 1.1 | 2.5/25.7 | 21969 |
| 1993 EW | 94 06 26.1 | 18 19.21 | -22 39.0 | 16.3 | -0.87 | - 0.3 | 0.3/26.2 | 22408 |
| 1984 QU | 94 06 26.1 | 18 19.43 | -32 33.0 | 18.0 | -1.26 | - 0.5 | 4.1/25.9 | 21256 |
| 1981 EX ₄₁ | 94 06 26.2 | 18 19.81 | -21 36.3 | 16.8 | -0.82 | - 0.3 | 0.5/26.3 | 23788 |
| 1991 WC | 94 06 26.4 | 18 20.53 | -24 14.3 | 15.3 | -1.11 | - 2.7 | 0.4/26.4 | 23538 |
| 1993 FE ₂₆ | 94 06 26.4 | 18 20.65 | -12 36.6 | 19.0 | -0.88 | + 0.2 | 3.5/26.7 | 23525 |
| 1979 MM ₅ | 94 06 26.5 | 18 20.64 | -22 18.9 | 16.8 | -1.07 | + 0.2 | 0.4/26.5 | 23535 |
| 1982 FS ₃ | 94 06 26.9 | 18 22.59 | -06 40.2 | 16.8 | -0.78 | - 0.6 | 5.1/27.6 | 23682 |
| 1982 VC ₃ | 94 06 27.0 | 18 22.91 | -27 05.9 | 16.6 | -1.01 | - 4.6 | 1.8/26.7 | 22075 |
| 1993 FT ₄₁ | 94 06 27.1 | 18 23.32 | -25 48.3 | 16.5 | -0.93 | - 0.5 | 0.8/27.1 | 23528 |
| 1991 RH ₂₅ | 94 06 27.1 | 18 23.37 | -29 18.6 | 15.4 | -1.16 | - 4.7 | 2.8/26.6 | 20641 |
| 1983 TE ₁ | 94 06 27.1 | 18 23.63 | -14 28.9 | 15.8 | -0.99 | + 0.7 | 3.5/27.3 | 21969 |

Periodic Comet Schwassmann-Wachmann 1

Elements MPC 18255

| Date TT | α_{2000} | δ_{2000} | Δ | r | ϵ | ϕ | m_2 |
|------------|-----------------|-----------------|----------|-------|------------|--------|-------|
| 1994 09 05 | 08 51.05 | +18 50.4 | 7.005 | 6.176 | 32.3 | 5.0 | 16.1 |
| 1994 09 15 | 08 57.74 | +18 18.5 | 6.911 | 6.179 | 40.4 | 6.0 | 16.1 |
| 1994 09 25 | 09 03.96 | +17 47.8 | 6.800 | 6.182 | 48.6 | 7.0 | 16.1 |
| 1994 10 05 | 09 09.61 | +17 18.6 | 6.673 | 6.184 | 56.9 | 7.8 | 16.1 |
| 1994 10 15 | 09 14.60 | +16 51.6 | 6.532 | 6.187 | 65.6 | 8.4 | 16.1 |
| 1994 10 25 | 09 18.83 | +16 27.4 | 6.382 | 6.189 | 74.4 | 8.9 | 16.1 |
| 1994 11 04 | 09 22.21 | +16 06.6 | 6.225 | 6.192 | 83.5 | 9.2 | 16.0 |
| 1994 11 14 | 09 24.64 | +15 49.7 | 6.065 | 6.194 | 92.9 | 9.2 | 16.0 |
| 1994 11 24 | 09 26.06 | +15 37.3 | 5.906 | 6.197 | 102.6 | 8.9 | 15.9 |
| 1994 12 04 | 09 26.39 | +15 29.6 | 5.753 | 6.199 | 112.6 | 8.4 | 15.8 |
| 1994 12 14 | 09 25.61 | +15 26.8 | 5.611 | 6.202 | 123.0 | 7.7 | 15.8 |
| 1994 12 24 | 09 23.74 | +15 28.7 | 5.485 | 6.204 | 133.6 | 6.6 | 15.7 |
| 1995 01 03 | 09 20.87 | +15 34.9 | 5.380 | 6.207 | 144.4 | 5.3 | 15.6 |
| 1995 01 13 | 09 17.13 | +15 44.6 | 5.301 | 6.209 | 155.5 | 3.8 | 15.4 |
| 1995 01 23 | 09 12.75 | +15 56.8 | 5.249 | 6.212 | 166.8 | 2.1 | 15.3 |
| 1995 02 02 | 09 08.00 | +16 10.2 | 5.229 | 6.214 | 178.1 | 0.3 | 15.1 |
| 1995 02 12 | 09 03.19 | +16 23.4 | 5.240 | 6.216 | 170.6 | 1.5 | 15.3 |
| 1995 02 22 | 08 58.64 | +16 35.4 | 5.283 | 6.219 | 159.4 | 3.2 | 15.4 |
| 1995 03 04 | 08 54.63 | +16 45.1 | 5.355 | 6.221 | 148.4 | 4.8 | 15.5 |
| 1995 03 14 | 08 51.40 | +16 51.7 | 5.453 | 6.223 | 137.6 | 6.2 | 15.6 |
| 1995 03 24 | 08 49.14 | +16 54.7 | 5.573 | 6.225 | 127.1 | 7.3 | 15.7 |
| 1995 04 03 | 08 47.92 | +16 53.9 | 5.710 | 6.227 | 116.9 | 8.2 | 15.8 |
| 1995 04 13 | 08 47.81 | +16 49.1 | 5.861 | 6.230 | 107.1 | 8.8 | 15.9 |
| 1995 04 23 | 08 48.77 | +16 40.4 | 6.019 | 6.232 | 97.6 | 9.2 | 16.0 |
| 1995 05 03 | 08 50.76 | +16 27.9 | 6.180 | 6.234 | 88.4 | 9.3 | 16.0 |
| 1995 05 13 | 08 53.69 | +16 11.6 | 6.341 | 6.236 | 79.5 | 9.2 | 16.1 |
| 1995 05 23 | 08 57.46 | +15 51.8 | 6.497 | 6.238 | 70.8 | 8.8 | 16.1 |
| 1995 06 02 | 09 01.98 | +15 28.6 | 6.646 | 6.240 | 62.4 | 8.3 | 16.2 |
| 1995 06 12 | 09 07.14 | +15 02.2 | 6.783 | 6.242 | 54.1 | 7.6 | 16.2 |
| 1995 06 22 | 09 12.83 | +14 32.8 | 6.907 | 6.244 | 46.0 | 6.7 | 16.2 |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| (5622) | 94 06 27.6 | 18 25.50 | -23 47.3 | 14.1 | -0.97 | + 3.2 | 0.2/27.7 | 22393 | 1969 TM ₁ | 94 07 03.1 | 18 48.39 | -33 52.0 | 17.4 | -1.17 | - 3.0 | 4.4/02.1 | 22491 |
| 1987 ST ₁₇ | 94 06 27.7 | 18 25.77 | -11 24.7 | 16.5 | -1.00 | + 2.4 | 5.0/27.7 | 23788 | 1993 FZ ₂₀ | 94 07 03.3 | 18 48.82 | -20 01.6 | 19.2 | -0.93 | - 1.2 | 1.0/03.5 | 23524 |
| 1988 AF ₁ | 94 06 27.7 | 18 26.07 | -26 36.0 | 18.5 | -1.01 | - 1.2 | 1.0/27.6 | 22079 | 1991 VR ₁ | 94 07 03.3 | 18 48.83 | -28 09.5 | 17.2 | -1.11 | + 0.1 | 1.9/03.0 | 19518 |
| 1991 RM ₆ | 94 06 27.8 | 18 26.46 | -16 30.5 | 16.9 | -1.04 | - 2.3 | 2.6/28.3 | 21976 | 1989 CP | 94 07 03.3 | 18 49.12 | -26 27.4 | 17.2 | -1.06 | - 0.9 | 1.3/03.1 | 20635 |
| (5462) | 94 06 27.9 | 18 26.51 | -13 13.4 | 16.9 | -1.02 | - 1.6 | 4.1/28.4 | 21769 | 1973 SR ₁ | 94 07 03.5 | 18 49.92 | -32 38.0 | 17.6 | -0.59 | - 1.1 | 1.8/02.7 | 16421 |
| (5545) | 94 06 28.0 | 18 26.90 | -25 57.3 | 16.1 | -0.99 | - 1.7 | 1.0/27.9 | 22040 | 2083 T-2 | 94 07 03.5 | 18 50.02 | -21 42.5 | 17.7 | -0.82 | - 1.1 | 0.4/03.7 | 22701 |
| 1982 UQ ₁₀ | 94 06 28.0 | 18 27.02 | -27 47.9 | 18.8 | -0.96 | - 0.8 | 1.3/27.8 | 22271 | 1981 EQ ₁₈ | 94 07 03.6 | 18 50.07 | -20 59.9 | 17.6 | -0.84 | - 1.3 | 0.6/03.8 | 23787 |
| 1153 T-2 | 94 06 28.0 | 18 27.15 | -21 35.4 | 17.0 | -0.83 | - 0.7 | 0.5/28.1 | 23534 | 1993 BE ₈ | 94 07 03.6 | 18 50.25 | -16 01.8 | 17.5 | -1.07 | - 1.4 | 3.1/04.1 | 22957 |
| 1991 UD ₃ | 94 06 28.1 | 18 27.41 | -13 31.0 | 18.4 | -0.94 | + 0.2 | 3.2/28.4 | 22273 | 3092 P-L | 94 07 03.7 | 18 50.89 | -26 27.7 | 16.8 | -0.95 | + 4.4 | 1.8/03.8 | 17974 |
| 1990 TJ ₂ | 94 06 28.1 | 18 27.60 | -12 12.0 | 17.4 | -0.81 | + 0.7 | 3.4/28.5 | 22826 | 1990 QE ₈ | 94 07 03.8 | 18 50.97 | -16 53.2 | 16.4 | -0.89 | - 2.7 | 2.1/04.4 | 23515 |
| 1971 FB | 94 06 28.6 | 18 29.67 | +16 29.3 | 18.9 | -0.95 | - 1.3 | 13.6/02.5 | 22482 | 1991 UK | 94 07 04.3 | 18 52.99 | -21 50.0 | 16.6 | -1.06 | - 0.5 | 0.4/04.4 | 21976 |
| 5161 T-2 | 94 06 28.8 | 18 30.44 | -39 29.9 | 18.2 | -1.14 | + 0.7 | 5.3/28.3 | 16038 | 1991 AA | 94 07 04.4 | 18 53.46 | -30 26.4 | 15.7 | -0.89 | - 1.7 | 2.5/03.7 | 23790 |
| (5546) | 94 06 28.8 | 18 30.59 | -26 56.0 | 15.9 | -1.07 | + 3.7 | 1.4/28.9 | 22041 | (5652) | 94 07 04.5 | 18 53.85 | -22 50.1 | 16.7 | -0.56 | - 0.5 | 0.0/04.5 | 23497 |
| 4263 T-2 | 94 06 28.8 | 18 30.68 | -22 47.7 | 18.9 | -1.08 | - 1.9 | 0.2/28.9 | 23681 | 1993 FW ₃₄ | 94 07 04.5 | 18 54.12 | -20 29.0 | 16.0 | -0.82 | - 1.9 | 0.9/04.8 | 23526 |
| 1977 QY | 94 06 28.9 | 18 30.78 | -42 14.8 | 15.7 | -1.21 | + 0.9 | 7.3/28.2 | 21964 | (5592) | 94 07 04.6 | 18 54.19 | -12 53.2 | 15.6 | -0.81 | + 0.6 | 3.4/05.2 | 22213 |
| 1984 WA ₁ | 94 06 29.0 | 18 31.13 | -55 03.2 | 17.1 | -1.86 | -12.0 | 13.5/21.8 | 22076 | 1990 DM ₃ | 94 07 04.9 | 18 55.81 | -32 31.5 | 16.1 | -1.08 | - 0.2 | 5.2/04.3 | 21573 |
| 1987 DY ₄ | 94 06 29.2 | 18 31.89 | -22 23.7 | 15.6 | -0.88 | + 3.2 | 0.3/29.2 | 20014 | 1989 FG | 94 07 05.1 | 18 56.28 | -27 20.1 | 16.8 | -1.02 | - 2.1 | 1.6/04.7 | 22493 |
| (5528) | 94 06 29.4 | 18 32.81 | -07 06.0 | 15.8 | -0.76 | - 3.4 | 4.8/30.8 | 21923 | (5965) | 94 07 05.1 | 18 56.47 | -18 20.2 | 15.9 | -0.92 | - 0.6 | 1.6/05.5 | 23506 |
| 1987 SZ ₃ | 94 06 29.4 | 18 32.91 | -17 11.7 | 15.8 | -1.03 | - 4.3 | 3.0/29.9 | 23788 | 1976 UG ₁₅ | 94 07 05.2 | 18 56.66 | -19 46.4 | 16.8 | -1.05 | - 2.7 | 1.4/05.5 | 23787 |
| 1981 EZ ₄₆ | 94 06 29.6 | 18 33.56 | -25 40.8 | 19.1 | -0.94 | - 1.1 | 0.7/29.5 | 21968 | (5609) | 94 07 05.4 | 18 57.49 | -25 03.2 | 15.3 | -0.87 | - 1.1 | 0.9/05.2 | 22219 |
| 1990 QE ₆ | 94 06 29.8 | 18 34.36 | -56 51.2 | 17.3 | -1.46 | + 1.4 | 15.2/27.8 | 17963 | 1978 SD ₃ | 94 07 05.4 | 18 57.69 | -32 24.1 | 15.6 | -1.01 | + 0.7 | 5.6/04.8 | 20009 |
| 1171 T-1 | 94 06 29.9 | 18 34.74 | -09 34.6 | 16.4 | -0.95 | + 0.9 | 6.5/30.2 | 23791 | 1934 JP | 94 07 05.4 | 18 57.78 | -21 15.1 | 18.6 | -1.11 | - 2.1 | 0.6/05.6 | 22946 |
| (6057) | 94 06 30.0 | 18 35.56 | +01 33.8 | 15.8 | -0.73 | - 1.7 | 7.7/01.7 | 23777 | (5393) | 94 07 05.4 | 18 57.94 | -30 45.1 | 16.9 | -1.16 | - 0.6 | 3.1/04.9 | 21244 |
| 1990 SO ₂₈ | 94 06 30.2 | 18 36.50 | -39 47.6 | 16.1 | -1.11 | - 2.0 | 6.4/29.0 | 23684 | 1981 EQ ₃₁ | 94 07 05.5 | 18 57.88 | -14 41.5 | 20.1 | -0.77 | - 1.6 | 2.3/06.3 | 23788 |
| 1990 ES ₃ | 94 06 30.3 | 18 36.52 | -30 47.5 | 15.5 | -1.08 | + 2.1 | 4.1/30.2 | 22082 | 4821 P-L | 94 07 05.6 | 18 58.48 | -19 36.8 | 19.4 | -0.94 | - 2.3 | 1.2/05.9 | 22086 |
| 1988 VN ₃ | 94 06 30.3 | 18 36.82 | -16 52.1 | 17.8 | -1.06 | + 0.3 | 2.5/30.6 | 23537 | 4604 P-L | 94 07 05.6 | 18 58.54 | -27 09.0 | 17.5 | -1.09 | - 2.0 | 2.1/05.2 | 22821 |
| 7590 P-L | 94 06 30.3 | 18 36.89 | -32 35.6 | 20.7 | -1.09 | - 2.0 | 3.2/29.7 | 22701 | 1977 QD ₃ | 94 07 05.8 | 18 59.45 | -42 18.5 | 16.0 | -1.12 | - 1.3 | 9.2/03.7 | 21925 |
| (5934) | 94 06 30.4 | 18 37.16 | -19 17.2 | 16.0 | -1.07 | - 1.1 | 1.7/30.7 | 23499 | 6591 P-L | 94 07 05.9 | 18 59.96 | -31 57.5 | 18.0 | -0.59 | - 0.8 | 1.7/05.1 | 22274 |
| 2740 P-L | 94 06 30.4 | 18 37.22 | -15 20.7 | 19.4 | -0.92 | - 1.4 | 2.8/31.0 | 22700 | 1990 EQ ₂ | 94 07 05.9 | 19 00.03 | -19 41.9 | 17.0 | -1.13 | - 0.2 | 1.3/06.2 | 21790 |
| 1986 UV | 94 06 30.5 | 18 37.30 | -29 37.4 | 16.3 | -1.00 | - 0.3 | 2.3/30.2 | 23536 | 2530 P-L | 94 07 06.1 | 19 00.50 | -30 34.5 | 17.6 | -1.17 | - 2.0 | 3.2/05.4 | 22086 |
| 1987 SL ₁ | 94 06 30.5 | 18 37.46 | -27 06.5 | 17.0 | -1.09 | - 0.9 | 1.5/30.3 | 23536 | 1984 EX | 94 07 06.1 | 19 00.55 | -29 51.4 | 16.1 | -1.01 | - 0.4 | 2.7/05.6 | 22076 |
| 1981 VS | 94 06 30.5 | 18 37.49 | -10 37.5 | 17.1 | -0.89 | + 0.1 | 4.0/01.0 | 22968 | (5468) | 94 07 06.2 | 19 00.85 | -12 33.8 | 15.6 | -0.87 | - 5.7 | 3.8/07.7 | 21771 |
| 1987 EQ | 94 06 30.5 | 18 37.63 | -26 37.5 | 17.1 | -1.16 | 0.0 | 1.7/30.4 | 21786 | 1980 DL | 94 07 06.2 | 19 00.95 | -27 00.8 | 18.5 | -1.00 | - 0.8 | 1.3/05.9 | 23510 |
| 1981 EV ₁₉ | 94 06 30.7 | 18 38.13 | -16 50.6 | 18.8 | -0.80 | - 0.7 | 1.9/01.1 | 23788 | 1993 FO ₄ | 94 07 06.2 | 19 01.06 | -05 58.4 | 17.9 | -0.87 | - 2.6 | 5.6/08.1 | 23521 |
| 1981 UU ₁₁ | 94 06 30.7 | 18 38.23 | -10 15.4 | 17.4 | -0.86 | - 0.2 | 4.3/01.3 | 22075 | 1989 SO ₈ | 94 07 06.2 | 19 01.11 | -24 59.2 | 15.5 | -0.85 | - 2.1 | 0.9/06.0 | 23537 |
| (5460) | 94 06 30.8 | 18 38.59 | -17 06.8 | 17.6 | -1.08 | - 0.9 | 2.4/01.2 | 21768 | 1993 FL ₃₃ | 94 07 06.2 | 19 01.25 | -28 38.4 | 17.2 | -1.09 | - 2.8 | 2.4/05.7 | 23526 |
| 2592 P-L | 94 07 01.1 | 18 40.11 | -13 49.6 | 17.1 | -0.95 | - 1.6 | 4.1/01.8 | 21805 | 1991 RX ₂ | 94 07 06.3 | 19 01.21 | -22 16.9 | 16.8 | -1.05 | 0.0 | 0.2/06.3 | 22600 |
| 1991 UF ₁ | 94 07 01.2 | 18 40.46 | -23 41.1 | 17.6 | -1.09 | - 2.4 | 0.2/01.2 | 23518 | 1988 CW ₂ | 94 07 06.3 | 19 01.37 | -22 59.7 | 18.3 | -0.96 | - 1.8 | 0.1/06.3 | 22079 |
| 2113 P-L | 94 07 01.3 | 18 40.70 | -18 22.6 | 18.6 | -0.94 | - 0.2 | 1.8/01.6 | 23539 | 1978 SS ₅ | 94 07 06.6 | 19 02.57 | -17 53.0 | 16.9 | -0.96 | - 1.3 | 2.0/07.0 | 23535 |
| 1978 EU ₉ | 94 07 01.4 | 18 41.42 | -19 55.2 | 15.8 | -0.88 | - 1.3 | 1.1/01.7 | 23535 | 1988 BJ | 94 07 06.7 | 19 02.88 | -44 48.5 | 17.0 | -1.96 | +13.8 | 11.3/08.7 | 22079 |
| (5966) | 94 07 01.8 | 18 42.62 | -27 07.1 | 16.2 | -0.90 | - 1.8 | 1.4/01.5 | 23506 | 1977 RL | 94 07 06.7 | 19 02.99 | -52 49.0 | 18.1 | -1.56 | - 4.5 | 9.7/02.4 | 22270 |
| 1986 PD ₁ | 94 07 02.1 | 18 44.13 | -07 34.8 | 17.1 | -0.92 | - 4.4 | 5.4/03.7 | 22683 | 1990 UD ₃ | 94 07 06.8 | 19 03.24 | -11 20.7 | 16.7 | -0.95 | + 1.1 | 4.7/07.0 | 22082 |
| 1990 VP ₂ | 94 07 02.2 | 18 44.68 | -39 02.5 | 17.0 | -0.99 | - 3.0 | 4.7/30.7 | 22083 | 1981 EF ₃₅ | 94 07 06.8 | 19 03.55 | -17 47.4 | 19.0 | -0.97 | - 2.1 | 1.8/07.3 | 22271 |
| 1981 EC ₁₅ | 94 07 02.4 | 18 45.09 | -30 39.7 | 19.5 | -1.10 | + 0.2 | 2.9/02.0 | 22429 | 1981 UH ₂₈ | 94 07 06.9 | 19 03.73 | -29 04.9 | 17.2 | -0.98 | - 1.0 | 2.4/06.3 | 23668 |
| 1990 TE ₇ | 94 07 02.4 | 18 45.29 | -10 04.5 | 18.4 | -0.83 | + 0.2 | 4.4/03.1 | 18823 | (5532) | 94 07 07.0 | 19 04.15 | -22 02.6 | 16.1 | -0.85 | - 1.6 | 0.2/07.1 | 22035 |
| 1985 SM ₃ | 94 07 02.5 | 18 45.69 | -26 21.5 | 16.3 | -1.22 | + 0.5 | 1.5/02.4 | 22077 | (5384) | 94 07 07.1 | 19 04.54 | -63 33.9 | 16.5 | -2.37 | - 8.1 | 18.1/28.8 | 21240 |
| 1981 RA ₂ | 94 07 02.6 | 18 46.21 | -12 51.9 | 15.6 | -0.96 | + 5.4 | 4.6/02.5 | 23788 | 1989 FL | 94 07 07.4 | 19 05.78 | -35 48.9 | 16.9 | -1.09 | + 0.8 | 5.3/06.6 | 22080 |
| 1042 T-2 | 94 07 02.9 | 18 47.38 | -20 04.3 | 17.1 | -0.95 | - 0.7 | 1.2/03.1 | 23533 | 1993 GM | 94 07 07.5 | 19 06.17 | -20 54.0 | 17.2 | -0.86 | - 2.2 | 0.5/07.7 | 22495 |
| 1990 SH ₁ | 94 07 03.0 | 18 47.67 | -08 55.8 | 16.7 | -0.93 | + 0.4 | 5.3/03.6 | 23789 | 1988 VK | 94 07 07.5 | 19 06.41 | -21 35.3 | 16.1 | -1.11 | - 5.3 | 0.5/07.7 | 21972 |
| 1975 VR ₅ | 94 07 03.1 | 18 48.07 | -17 56.4 | 16.8 | -1.08 | - 3.3 | 2.1/03.6 | 21964 | 1992 WY ₄ | 94 07 07.5 | 19 06.48 | -11 12.3 | 15.7 | -1.36 | + 8.4 | 5.5/07.3 | 23790 |
| (5963) | 94 07 03.1 | 18 48.38 | -25 32.8 | 16.2 | -0.93 | - 1.0 | 0.9/03.0 | 23505 | 6193 P-L | 94 07 07.6 | 19 06.98 | -01 16.1 | 18.9 | -0.85 | - 1.3 | 8.8/09.8 | 22701 |

| | | | | | | | | | | | | | | | | | | | |
|-----------------------|------------|----------|----------|------|-------|-----|----------|-----------|----------------------|-----------------------|------------|----------|----------|-------|-------|-----|----------|-----------|-------|
| 1992 BN | 94 07 07.7 | 19 07.17 | -17 39.9 | 15.3 | -0.85 | - | 4.9 | 1.7/08.4 | 22431 | (5553) | 94 07 12.1 | 19 25.03 | -10 15.1 | 17.2 | -0.87 | - | 3.7 | 3.9/13.9 | 22043 |
| 2287 T-3 | 94 07 08.0 | 19 08.62 | -24 13.8 | 15.5 | -0.92 | + | 0.8 | 0.8/08.0 | 17654 | 1988 VP ₃ | 94 07 12.2 | 19 25.34 | -32 20.2 | 17.9 | -1.21 | - | 3.1 | 4.4/10.8 | 21972 |
| 1991 VV ₃ | 94 07 08.1 | 19 08.83 | -27 06.3 | 17.0 | -1.12 | - | 2.7 | 1.9/07.6 | 23538 | 1976 YE ₁ | 94 07 12.2 | 19 25.45 | -20 37.7 | 16.5 | -1.04 | - | 0.1 | 0.5/12.4 | 22270 |
| 9602 P-L | 94 07 08.2 | 19 09.18 | -16 45.1 | 19.0 | -0.52 | - | 1.4 | 1.1/08.9 | 22274 | 1993 BN ₃ | 94 07 12.3 | 19 25.98 | -36 13.7 | 16.5 | -1.10 | - | 3.3 | 7.2/10.2 | 21947 |
| 1983 XE | 94 07 08.4 | 19 09.95 | -15 05.6 | 17.9 | -0.97 | - | 0.3 | 2.6/09.0 | 22599 | (5483) | 94 07 12.4 | 19 26.20 | -33 51.9 | 14.7 | -0.92 | - | 3.8 | 4.1/10.6 | 21777 |
| 1973 SO ₁ | 94 07 08.4 | 19 10.01 | -12 47.6 | 18.1 | -0.49 | - | 1.1 | 1.7/09.6 | 18280 | 1990 RO ₁ | 94 07 12.5 | 19 26.66 | -16 15.2 | 16.7 | -0.87 | - | 2.7 | 2.0/13.3 | 22494 |
| 1990 QB ₈ | 94 07 08.5 | 19 10.28 | -15 21.6 | 17.5 | -0.88 | - | 3.0 | 2.5/09.4 | 23515 | 1991 RT ₃ | 94 07 12.5 | 19 26.94 | -13 48.0 | 16.9 | -1.05 | - | 1.0 | 3.5/13.4 | 21976 |
| 1986 TR ₆ | 94 07 08.5 | 19 10.59 | -20 13.3 | 16.9 | -0.56 | + | 0.3 | 0.4/08.8 | 22078 | 1990 TF | 94 07 12.6 | 19 27.33 | -36 56.8 | 16.3 | -1.18 | + | 1.4 | 5.9/11.2 | 22431 |
| 2151 T-2 | 94 07 08.5 | 19 10.63 | -27 53.7 | 18.1 | -0.97 | - | 1.3 | 1.8/08.0 | 15082 | 1089 T-1 | 94 07 12.7 | 19 27.69 | -33 23.0 | 18.2 | -0.94 | - | 0.4 | 3.5/11.5 | 22701 |
| 1978 YM | 94 07 08.6 | 19 10.91 | -36 25.5 | 16.8 | -1.28 | - | 1.1 | 6.3/07.2 | 20010 | (5561) | 94 07 12.7 | 19 27.81 | -24 50.4 | 15.4 | -1.20 | + | 1.2 | 1.4/12.5 | 22046 |
| 4333 T-1 | 94 07 08.6 | 19 10.92 | -22 39.4 | 17.5 | -0.85 | - | 2.2 | 0.1/08.6 | 23533 | 1973 SD ₁ | 94 07 12.8 | 19 27.79 | -30 35.2 | 18.0 | -0.59 | - | 1.0 | 1.7/11.6 | 22270 |
| (5654) | 94 07 08.7 | 19 11.03 | -35 28.6 | 17.0 | -1.04 | - | 1.2 | 4.1/07.4 | 22481 | (5578) | 94 07 12.8 | 19 28.15 | -18 59.1 | 15.6 | -0.87 | - | 2.1 | 1.0/13.3 | 22207 |
| 1989 AC ₂ | 94 07 08.7 | 19 11.09 | -22 03.4 | 17.7 | -1.05 | - | 1.7 | 0.1/08.8 | 20634 | (5501) | 94 07 13.0 | 19 28.70 | -15 41.8 | 16.5 | -1.01 | - | 1.3 | 2.5/13.8 | 21912 |
| 1992 DK | 94 07 08.7 | 19 11.11 | -44 04.7 | 15.7 | -1.08 | - | 3.4 | 6.8/05.5 | 22600 | 1988 AW ₁ | 94 07 13.0 | 19 28.74 | -30 28.0 | 14.9 | -1.15 | + | 3.6 | 3.7/12.5 | 23133 |
| (5846) | 94 07 08.7 | 19 11.22 | -24 17.5 | 18.1 | -1.04 | - | 2.1 | 0.7/08.5 | 23117 | 1198 T-1 | 94 07 13.0 | 19 28.77 | -24 17.4 | 18.3 | -0.86 | - | 0.9 | 0.7/12.8 | 19878 |
| 1989 VC ₂ | 94 07 08.8 | 19 11.46 | -31 48.3 | 16.5 | -0.87 | - | 1.5 | 2.9/07.8 | 22272 | 1991 UF | 94 07 13.0 | 19 28.96 | -20 42.6 | 16.3 | -1.08 | - | 0.9 | 0.5/13.2 | 20510 |
| 5030 T-2 | 94 07 08.8 | 19 11.76 | -23 14.3 | 19.3 | -0.54 | 0.0 | 0.1/08.8 | 15258 | 1991 UC ₂ | 94 07 13.3 | 19 29.86 | -19 58.6 | 17.3 | -1.02 | - | 1.8 | 0.7/13.5 | 23518 | |
| (5885) | 94 07 08.9 | 19 11.88 | -15 31.0 | 16.3 | -0.80 | - | 2.4 | 2.2/09.7 | 23234 | 1982 ST ₇ | 94 07 13.3 | 19 29.99 | -26 26.2 | 17.3 | -1.10 | - | 1.2 | 1.9/12.8 | 16231 |
| (5556) | 94 07 09.2 | 19 13.32 | -10 56.5 | 16.4 | -0.86 | - | 2.9 | 3.9/10.7 | 22044 | 1981 EH ₃₁ | 94 07 13.3 | 19 30.03 | -10 04.4 | 20.3 | -0.95 | - | 3.3 | 4.3/15.0 | 21967 |
| 1978 PJ ₂ | 94 07 09.5 | 19 14.29 | -15 06.0 | 16.8 | -0.79 | - | 1.5 | 2.1/10.3 | 23787 | 1973 SE ₁ | 94 07 13.3 | 19 30.13 | -27 22.5 | 17.6 | -0.59 | - | 1.2 | 1.1/12.6 | 20804 |
| 1990 RK ₇ | 94 07 09.6 | 19 14.94 | -22 25.4 | 18.3 | -0.89 | - | 2.1 | 0.0/09.6 | 22813 | 1981 EZ ₃₃ | 94 07 13.3 | 19 30.16 | -19 00.4 | 19.1 | -0.82 | - | 0.9 | 0.8/13.7 | 21967 |
| (5456) | 94 07 09.7 | 19 15.47 | -33 15.8 | 16.0 | -1.14 | - | 3.2 | 4.6/08.4 | 21766 | 1981 ES ₃₅ | 94 07 13.4 | 19 30.27 | -36 17.3 | 17.4 | -0.93 | - | 0.8 | 4.3/11.6 | 22271 |
| 1984 DX | 94 07 09.8 | 19 15.56 | -18 46.2 | 18.1 | -0.95 | - | 2.5 | 1.2/10.2 | 22076 | (5530) | 94 07 13.5 | 19 30.78 | -34 34.3 | 17.3 | -1.21 | - | 1.9 | 4.9/12.0 | 21924 |
| 1981 EY ₄₅ | 94 07 09.8 | 19 15.70 | -25 18.2 | 17.7 | -0.86 | - | 0.7 | 0.9/09.5 | 22271 | (5958) | 94 07 13.6 | 19 31.11 | -24 54.0 | 16.6 | -1.10 | - | 1.6 | 1.3/13.2 | 23504 |
| 1973 SY | 94 07 09.8 | 19 15.73 | -04 45.8 | 17.6 | -0.51 | - | 1.0 | 3.3/12.0 | 21963 | 1992 AL | 94 07 13.6 | 19 31.20 | -10 44.2 | 16.9 | -0.95 | - | 5.3 | 3.9/15.4 | 22084 |
| 1050 T-2 | 94 07 09.9 | 19 16.04 | -08 05.6 | 19.0 | -0.74 | - | 1.9 | 3.7/11.6 | 22432 | 1335 T-2 | 94 07 13.6 | 19 31.39 | -20 55.8 | 18.4 | -0.81 | - | 1.8 | 0.2/13.8 | 20037 |
| 1990 QO ₆ | 94 07 09.9 | 19 16.15 | -03 48.6 | 17.5 | -0.84 | - | 5.6 | 7.9/12.9 | 22273 | 1980 FV ₂ | 94 07 13.8 | 19 32.04 | -42 38.2 | 16.2 | -1.14 | + | 1.5 | 9.5/11.7 | 21965 |
| 1993 FE ₄₈ | 94 07 10.0 | 19 16.41 | -19 50.4 | 16.2 | -0.85 | - | 1.6 | 0.9/10.3 | 23790 | 1976 YG ₁ | 94 07 13.8 | 19 32.08 | -31 55.4 | 16.1 | -1.08 | - | 3.8 | 4.2/12.3 | 22049 |
| 1991 TL ₁ | 94 07 10.0 | 19 16.66 | +07 50.9 | 18.0 | -0.93 | - | 1.0 | 10.1/13.1 | 22084 | 4393 T-1 | 94 07 13.8 | 19 32.08 | -22 27.4 | 17.5 | -0.84 | - | 2.5 | 0.2/13.8 | 23540 |
| 1993 FS ₁ | 94 07 10.1 | 19 16.84 | -09 42.7 | 15.9 | -0.79 | - | 4.6 | 4.5/12.1 | 23790 | 1990 OO ₂ | 94 07 14.3 | 19 34.03 | -39 28.7 | 15.4 | -1.25 | + | 4.1 | 7.8/13.1 | 22272 |
| 1981 EF ₃₇ | 94 07 10.1 | 19 17.25 | -48 52.6 | 16.0 | -1.32 | + | 0.8 | 11.6/07.6 | 20810 | 6583 P-L | 94 07 14.3 | 19 34.20 | -15 28.2 | 17.8 | -1.03 | - | 3.2 | 2.5/15.2 | 22827 |
| 1991 EN | 94 07 10.2 | 19 17.18 | -23 01.5 | 17.0 | -0.62 | + | 1.2 | 0.2/10.1 | 18438 | 1993 FB ₂₂ | 94 07 14.4 | 19 34.64 | -23 31.3 | 18.9 | -1.05 | - | 2.3 | 0.7/14.2 | 23524 |
| (5725) | 94 07 10.3 | 19 17.65 | -49 38.4 | 16.7 | -1.29 | - | 5.5 | 9.4/05.5 | 23116 | 1981 DZ ₁ | 94 07 14.5 | 19 34.93 | +09 27.3 | 18.8 | -0.73 | - | 1.1 | 8.7/19.5 | 21966 |
| 1990 QR ₂ | 94 07 10.3 | 19 17.89 | -27 40.7 | 15.7 | -0.98 | - | 0.5 | 2.1/09.8 | 22813 | 1993 FS ₂₃ | 94 07 14.6 | 19 35.20 | -23 59.8 | 17.3 | -0.94 | - | 1.4 | 0.9/14.3 | 23525 |
| 1978 RK ₁ | 94 07 10.4 | 19 18.06 | -23 13.3 | 15.8 | -0.86 | - | 2.5 | 0.3/10.3 | 23787 | 1981 UO ₁₁ | 94 07 14.7 | 19 35.49 | -21 12.6 | 16.7 | -1.08 | - | 4.3 | 0.2/14.8 | 23511 |
| 1991 AR ₁ | 94 07 10.4 | 19 18.31 | -23 20.8 | 16.7 | -0.84 | - | 1.6 | 0.3/10.3 | 22083 | 1987 SG ₃ | 94 07 14.7 | 19 35.74 | +29 19.5 | 16.2 | -0.42 | - | 2.6 | 28.1/06.0 | 23779 |
| 3308 T-1 | 94 07 10.5 | 19 18.75 | -20 16.4 | 17.1 | -0.83 | - | 1.8 | 0.7/10.8 | 23533 | 1986 WO ₉ | 94 07 14.8 | 19 36.16 | -16 28.0 | 16.3 | -0.88 | - | 2.2 | 1.8/15.6 | 23512 |
| 1993 FS ₃₉ | 94 07 10.5 | 19 18.80 | -19 30.4 | 15.8 | -0.86 | - | 2.0 | 1.0/10.9 | 23790 | 1981 DF | 94 07 14.8 | 19 36.21 | -33 43.6 | 17.5 | -0.94 | + | 0.3 | 3.5/13.5 | 19857 |
| 1981 EE ₁₈ | 94 07 10.6 | 19 18.90 | -28 25.0 | 20.2 | -0.85 | - | 1.2 | 1.7/09.9 | 21967 | 1981 UU ₂₆ | 94 07 15.0 | 19 37.14 | -10 35.9 | 17.2 | -0.99 | - | 3.1 | 4.8/16.7 | 20630 |
| (5436) | 94 07 10.6 | 19 19.01 | -16 57.6 | 17.4 | -0.52 | - | 0.4 | 0.9/11.3 | 21553 | 2145 T-2 | 94 07 15.1 | 19 37.55 | -00 12.1 | 18.2 | -0.86 | - | 2.7 | 8.1/18.4 | 22274 |
| 1981 EF ₂₆ | 94 07 10.7 | 19 19.46 | -13 10.9 | 17.0 | -0.76 | - | 2.1 | 2.6/11.9 | 22271 | 1980 TT ₃ | 94 07 15.2 | 19 37.68 | -33 11.0 | 17.1 | -1.18 | - | 1.4 | 4.8/13.7 | 23535 |
| 3016 P-L | 94 07 10.8 | 19 20.04 | -07 16.4 | 17.6 | -0.92 | + | 0.9 | 5.7/12.0 | 22086 | 1973 QO ₁ | 94 07 15.3 | 19 38.33 | -28 10.1 | 15.6 | -1.09 | + | 2.1 | 3.2/14.8 | 21925 |
| 1993 FZ ₃₆ | 94 07 11.2 | 19 21.33 | -26 10.7 | 17.1 | -1.07 | - | 2.4 | 1.5/10.7 | 23527 | 1993 FH ₂₂ | 94 07 15.4 | 19 38.47 | -20 34.3 | 16.3 | -0.82 | - | 2.0 | 0.4/15.6 | 23524 |
| 6541 P-L | 94 07 11.2 | 19 21.45 | -15 03.9 | 19.1 | -0.51 | - | 1.6 | 1.3/12.2 | 22694 | 1993 FT ₄ | 94 07 15.4 | 19 38.57 | -20 44.9 | 15.7 | -0.82 | - | 2.9 | 0.3/15.6 | 23521 |
| 1978 VL ₅ | 94 07 11.3 | 19 21.71 | -18 09.2 | 14.8 | -1.01 | + | 2.1 | 2.1/11.6 | 21965 | 1974 XW | 94 07 15.5 | 19 38.90 | -25 24.4 | 17.5 | -0.95 | - | 3.2 | 1.3/14.9 | 22072 |
| 1991 VV ₂ | 94 07 11.3 | 19 21.76 | -43 15.0 | 17.0 | -1.20 | - | 1.6 | 6.9/08.6 | 22273 | 1991 SX ₁ | 94 07 15.8 | 19 40.18 | -23 20.7 | 16.6 | -1.11 | - | 1.8 | 0.8/15.6 | 22600 |
| 1987 QR | 94 07 11.5 | 19 22.66 | -15 54.1 | 16.3 | -0.96 | - | 1.8 | 3.1/12.0 | 22078 | 4019 T-3 | 94 07 15.9 | 19 40.35 | -14 50.6 | 17.1 | -0.88 | - | 3.5 | 2.7/17.0 | 23792 |
| (6049) | 94 07 11.7 | 19 23.49 | -17 40.9 | 15.2 | -0.95 | - | 2.6 | 2.1/12.3 | 23775 | 1987 UG | 94 07 16.2 | 19 41.63 | -18 12.8 | 16.8 | -1.04 | - | 2.3 | 1.3/16.7 | 22599 |
| 6048 P-L | 94 07 11.7 | 19 23.73 | -28 09.7 | 16.4 | -1.08 | - | 1.0 | 2.3/11.1 | 23540 | 1990 SU ₁₀ | 94 07 16.2 | 19 41.67 | -20 56.5 | 16.3 | -0.92 | - | 1.2 | 0.2/16.3 | 22273 |
| 1981 EO ₉ | 94 07 11.8 | 19 24.15 | -31 49.2 | 16.3 | -0.96 | + | 1.1 | 3.4/11.0 | 22968 | 1993 EF | 94 07 16.3 | 19 42.18 | -25 07.8 | 17.6 | -1.05 | - | 3.1 | 1.3/15.8 | 22495 |
| 1988 UT | 94 07 11.9 | 19 24.18 | -20 05.0 | 17.2 | -1.12 | - | 3.2 | 0.9/12.0 | 19023 | 1991 PW ₁₇ | 94 07 16.4 | 19 42.71 | -14 11.9 | 16.7 | -1.03 | - | 3.0 | 3.1/17.5 | 23790 |

| | | | | | | | | | | | | | | | | | | | |
|-----------------------|------------|----------|----------|------|-------|-----|----------|-----------|--------|-----------------------|------------|----------|----------|-------|-------|-----|----------|-----------|-------|
| 1981 ER ₁₇ | 94 07 16.5 | 19 42.84 | -14 08.5 | 17.4 | -0.81 | - | 1.9 | 2.3/17.6 | 21967 | (6052) | 94 07 20.7 | 19 59.97 | +03 32.4 | 16.0 | -0.70 | - | 4.9 | 6.9/26.2 | 23776 |
| 1991 YZ | 94 07 16.6 | 19 43.19 | -27 39.5 | 16.3 | -0.94 | + | 0.5 | 2.1/15.9 | 21977 | 1987 UV ₁ | 94 07 20.8 | 20 00.11 | -22 25.0 | 16.2 | -1.02 | - | 1.9 | 0.8/20.5 | 16428 |
| (6056) | 94 07 16.7 | 19 43.64 | -15 53.6 | 15.7 | -0.91 | - | 1.9 | 2.3/17.5 | 23777 | 1977 TQ ₆ | 94 07 20.8 | 20 00.43 | -41 17.6 | 16.6 | -1.08 | - | 5.7 | 8.6/16.0 | 21926 |
| (5742) | 94 07 16.7 | 19 43.85 | -33 43.6 | 16.2 | -0.91 | - | 5.0 | 3.9/14.4 | 22677 | 4150 T-1 | 94 07 20.9 | 20 00.76 | -02 19.4 | 17.1 | -0.91 | - | 5.2 | 6.9/24.7 | 23791 |
| 1990 UE ₃ | 94 07 16.8 | 19 44.25 | -27 11.5 | 17.4 | -0.82 | - | 2.0 | 1.5/15.9 | 22083 | 1993 FT ₂₆ | 94 07 21.0 | 20 01.03 | -14 45.9 | 17.8 | -1.05 | - | 2.5 | 2.2/22.0 | 23526 |
| 1988 CA | 94 07 16.9 | 19 44.44 | -10 26.5 | 17.1 | -0.84 | - | 4.2 | 3.4/18.9 | 22272 | 3076 T-2 | 94 07 21.4 | 20 02.65 | -22 31.9 | 17.2 | -0.82 | - | 2.7 | 0.6/21.1 | 22701 |
| 1987 SJ ₁ | 94 07 16.9 | 19 44.48 | -18 03.7 | 16.7 | -0.98 | - | 2.3 | 1.6/17.0 | 22493 | 1993 FB ₁₉ | 94 07 21.5 | 20 02.96 | -15 37.7 | 17.7 | -0.95 | - | 5.3 | 1.9/22.5 | 23523 |
| 1989 GF ₈ | 94 07 16.9 | 19 44.77 | -26 09.5 | 17.6 | -1.00 | - | 3.4 | 1.7/16.2 | 22493 | 1989 DJ | 94 07 21.5 | 20 03.14 | -34 23.5 | 16.6 | -0.64 | + | 0.2 | 2.6/19.2 | 23684 |
| 1977 QF ₁ | 94 07 17.0 | 19 44.82 | -42 44.2 | 15.6 | -1.21 | + | 0.8 | 9.2/14.2 | 23535 | 1993 FT ₇ | 94 07 21.5 | 20 03.21 | -13 21.6 | 17.1 | -0.94 | - | 5.5 | 3.1/23.0 | 23522 |
| 1990 VK ₁ | 94 07 17.0 | 19 44.94 | -26 07.2 | 16.6 | -0.93 | - | 2.3 | 1.8/16.3 | 21975 | 1991 SN ₁ | 94 07 21.9 | 20 04.40 | -08 32.5 | 16.3 | -0.98 | - | 2.7 | 5.8/23.9 | 20822 |
| (5657) | 94 07 17.0 | 19 45.14 | -02 04.3 | 16.0 | -0.86 | - | 5.6 | 7.8/20.7 | 22577 | 2151 T-1 | 94 07 22.1 | 20 05.63 | -13 35.6 | 17.1 | -0.98 | - | 5.3 | 2.9/23.5 | 22274 |
| 1978 RB ₁₀ | 94 07 17.0 | 19 45.14 | -28 57.1 | 17.5 | -1.11 | 0.0 | 4.1/16.1 | 21099 | (5599) | 94 07 22.2 | 20 05.64 | -14 25.9 | 15.9 | -1.00 | - | 1.2 | 2.2/23.1 | 22216 | |
| 1986 QN | 94 07 17.1 | 19 45.57 | -15 58.7 | 17.1 | -0.97 | - | 3.8 | 2.1/18.0 | 22077 | 1987 QT ₁ | 94 07 22.2 | 20 05.68 | -27 02.4 | 15.5 | -1.02 | + | 2.4 | 3.7/21.5 | 23536 |
| 3395 T-3 | 94 07 17.2 | 19 45.73 | -13 48.1 | 17.3 | -1.00 | - | 3.6 | 3.1/18.4 | 22601 | (5500) | 94 07 22.4 | 20 06.57 | -21 09.0 | 16.3 | -1.04 | - | 5.1 | 0.4/22.3 | 21911 |
| 1991 EL | 94 07 17.2 | 19 45.98 | -13 17.3 | 18.3 | -0.58 | + | 0.9 | 1.6/18.3 | 18437 | 1993 FO ₁ | 94 07 22.4 | 20 06.70 | -34 01.6 | 15.1 | -1.09 | - | 4.7 | 6.1/19.6 | 22240 |
| 1991 VY | 94 07 17.3 | 19 46.17 | -28 09.0 | 16.4 | -1.05 | - | 4.1 | 2.7/16.2 | 23518 | 1990 RT ₂ | 94 07 22.5 | 20 07.29 | -37 55.1 | 16.4 | -1.15 | - | 0.3 | 6.9/19.7 | 19304 |
| 1293 T-1 | 94 07 17.3 | 19 46.41 | -27 08.1 | 17.2 | -1.18 | - | 1.4 | 2.8/16.6 | 23533 | 1993 CC | 94 07 22.7 | 20 07.92 | -15 18.8 | 15.1 | -0.87 | - | 8.8 | 1.9/24.0 | 23790 |
| 1990 TP ₇ | 94 07 17.5 | 19 47.00 | -23 13.4 | 18.2 | -0.86 | - | 2.1 | 0.6/17.2 | 17642 | 1993 FK ₂₃ | 94 07 22.7 | 20 08.01 | -32 45.9 | 16.4 | -0.96 | - | 1.1 | 4.5/20.7 | 23524 |
| 1993 FD ₁ | 94 07 17.6 | 19 47.29 | -21 21.6 | 17.3 | -1.05 | - | 2.8 | 0.1/17.6 | 23539 | 3297 T-1 | 94 07 22.8 | 20 08.20 | -17 28.9 | 17.5 | -0.81 | - | 2.8 | 0.9/23.4 | 21124 |
| 6833 P-L | 94 07 18.0 | 19 48.93 | -23 34.0 | 17.8 | -0.90 | - | 1.9 | 0.9/17.7 | 23532 | 2249 T-2 | 94 07 23.0 | 20 08.77 | -17 57.9 | 17.2 | -0.79 | - | 2.7 | 0.6/23.4 | 16037 |
| (5588) | 94 07 18.0 | 19 49.03 | -28 31.9 | 15.0 | -0.93 | - | 7.5 | 2.9/16.4 | 22212 | 1991 XO ₂ | 94 07 23.0 | 20 09.14 | -12 47.4 | 17.5 | -1.02 | - | 2.5 | 2.9/24.3 | 22056 |
| 1993 FV ₂₆ | 94 07 18.1 | 19 49.53 | -11 36.2 | 18.0 | -1.04 | - | 2.3 | 3.6/19.5 | 23526 | 1992 AF | 94 07 23.1 | 20 09.22 | -09 30.2 | 17.8 | -0.77 | - | 2.0 | 2.8/25.1 | 22084 |
| 1991 UQ | 94 07 18.3 | 19 50.08 | -27 50.7 | 15.2 | -1.02 | - | 2.2 | 3.5/17.3 | 23518 | 5187 T-2 | 94 07 23.1 | 20 09.27 | -10 31.4 | 18.3 | -0.52 | - | 1.2 | 1.8/25.0 | 16883 |
| 1991 JA ₁ | 94 07 18.3 | 19 50.18 | +20 17.8 | 15.8 | -1.06 | + | 3.0 | 21.1/23.2 | 18638 | 6568 P-L | 94 07 23.1 | 20 09.54 | -26 28.8 | 17.1 | -1.13 | - | 2.4 | 2.5/22.1 | 23540 |
| 3101 T-3 | 94 07 18.3 | 19 50.31 | -36 58.0 | 17.0 | -1.14 | - | 3.9 | 7.5/15.5 | 20347 | (5572) | 94 07 23.2 | 20 09.62 | -05 45.2 | 15.6 | -0.76 | - | 3.2 | 5.3/26.2 | 22205 |
| 1991 UH ₄ | 94 07 18.5 | 19 50.81 | -13 09.7 | 15.7 | -1.02 | + | 1.4 | 4.0/19.3 | 22431 | 3149 T-3 | 94 07 23.2 | 20 09.83 | -17 32.8 | 18.8 | -1.02 | - | 3.6 | 1.0/23.7 | 23786 |
| 6242 P-L | 94 07 18.6 | 19 51.52 | -12 01.1 | 17.9 | -0.96 | - | 2.1 | 3.4/20.0 | 22087 | 1993 HG | 94 07 23.3 | 20 10.14 | -22 10.9 | 17.4 | -0.84 | - | 2.6 | 0.7/22.9 | 23676 |
| (5690) | 94 07 18.7 | 19 51.78 | -59 04.6 | 18.5 | -1.57 | - | 0.2 | 9.7/11.7 | 22584 | 1991 RE ₁₁ | 94 07 23.4 | 20 10.46 | -19 13.2 | 16.9 | -1.11 | - | 1.2 | 0.4/23.5 | 22233 |
| 1988 CJ | 94 07 18.7 | 19 51.96 | -18 29.1 | 16.0 | -0.91 | - | 1.4 | 0.9/19.1 | 23536 | 1986 EK ₁ | 94 07 23.4 | 20 10.72 | -54 22.3 | 17.6 | -1.64 | + | 0.2 | 11.4/17.7 | 21934 |
| 4822 P-L | 94 07 18.8 | 19 52.27 | -19 27.8 | 18.7 | -0.85 | - | 3.2 | 0.5/19.1 | 20515 | 1984 SV ₅ | 94 07 23.5 | 20 10.82 | -32 45.4 | 17.5 | -0.95 | - | 1.1 | 4.4/21.3 | 20331 |
| 1989 CD | 94 07 19.0 | 19 52.80 | -21 47.9 | 16.7 | -1.05 | - | 3.4 | 0.3/18.9 | 23537 | 5493 T-2 | 94 07 23.5 | 20 10.89 | -26 57.2 | 17.3 | -0.60 | - | 0.4 | 1.4/22.3 | 21953 |
| 4304 T-3 | 94 07 19.0 | 19 53.17 | -20 39.9 | 17.5 | -0.90 | - | 4.0 | 0.1/19.1 | 23534 | 1991 GX ₁ | 94 07 23.9 | 20 12.35 | -19 32.3 | 17.4 | -0.55 | - | 0.7 | 0.1/24.0 | 21975 |
| 1991 RR ₄ | 94 07 19.0 | 19 53.18 | -25 16.2 | 16.9 | -1.15 | - | 1.6 | 1.9/18.5 | 23673 | 6588 P-L | 94 07 24.0 | 20 12.92 | -20 26.2 | 18.1 | -0.79 | - | 2.6 | 0.1/23.9 | 19876 |
| 4521 P-L | 94 07 19.1 | 19 53.51 | -22 05.1 | 16.5 | -0.89 | - | 2.0 | 0.4/19.0 | 23686 | 1981 ET ₂₉ | 94 07 24.0 | 20 13.19 | -13 30.1 | 19.4 | -0.76 | - | 2.2 | 1.8/25.3 | 22271 |
| (5589) | 94 07 19.2 | 19 53.66 | -17 37.9 | 16.4 | -0.89 | - | 2.3 | 1.2/19.7 | 22212 | 1981 EL ₃₄ | 94 07 24.1 | 20 13.19 | -18 14.5 | 17.0 | -0.81 | - | 2.4 | 0.6/24.4 | 22271 |
| 1990 EL ₇ | 94 07 19.2 | 19 54.03 | -24 52.9 | 16.9 | -1.18 | - | 0.8 | 1.8/18.8 | 22431 | 9570 P-L | 94 07 24.1 | 20 13.42 | -22 53.5 | 17.0 | -0.92 | - | 4.4 | 1.2/23.6 | 23540 |
| 1101 T-1 | 94 07 19.3 | 19 54.23 | -19 04.4 | 17.6 | -0.94 | - | 1.4 | 0.6/19.6 | 23533 | 1989 CV ₁ | 94 07 24.1 | 20 13.62 | -23 06.9 | 18.0 | -1.02 | - | 4.9 | 1.2/23.5 | 22080 |
| 1991 UO ₂ | 94 07 19.5 | 19 54.89 | -21 19.7 | 16.1 | -1.06 | - | 5.2 | 0.2/19.4 | 22084 | 1989 AS ₆ | 94 07 24.4 | 20 14.62 | -19 43.3 | 18.5 | -0.99 | - | 4.2 | 0.0/24.5 | 23670 |
| 1976 DC | 94 07 19.6 | 19 55.54 | -37 01.8 | 18.5 | -1.63 | + | 7.2 | 6.9/19.3 | 22270 | 1940 ED | 94 07 24.4 | 20 14.73 | -13 05.2 | 16.3 | -0.96 | - | 4.7 | 3.1/25.9 | 22049 |
| 1991 TE ₂ | 94 07 19.6 | 19 55.63 | -22 14.8 | 16.2 | -1.07 | - | 4.4 | 0.6/19.4 | 23538 | 1974 QM ₂ | 94 07 24.6 | 20 15.15 | -28 31.1 | 15.7 | -1.07 | + | 1.6 | 4.7/23.5 | 22491 |
| 1986 EZ ₄ | 94 07 19.7 | 19 55.96 | -22 02.3 | 16.9 | -1.06 | - | 2.8 | 0.5/19.6 | 22077 | (5608) | 94 07 24.6 | 20 15.29 | -25 03.0 | 15.9 | -0.95 | - | 3.1 | 2.1/23.6 | 22219 |
| 1990 TR ₁₂ | 94 07 19.7 | 19 56.07 | -07 41.6 | 16.3 | -0.83 | - | 0.2 | 4.8/21.7 | 23789 | 9521 P-L | 94 07 24.6 | 20 15.45 | -19 40.6 | 16.6 | -1.05 | - | 4.3 | 0.1/24.7 | 23540 |
| 4024 P-L | 94 07 19.8 | 19 56.01 | -19 46.7 | 16.1 | -0.94 | - | 1.0 | 0.4/19.9 | 23531 | 1993 GE | 94 07 24.7 | 20 15.72 | -53 34.8 | 15.2 | -1.22 | - | 4.1 | 10.5/17.1 | 23790 |
| (5392) | 94 07 19.8 | 19 56.05 | -49 44.2 | 16.6 | -1.46 | - | 4.3 | 9.8/14.6 | 21244 | 1988 AO ₁ | 94 07 24.9 | 20 16.37 | -24 34.2 | 17.3 | -0.94 | - | 4.6 | 1.7/23.9 | 23788 |
| 1991 UB ₃ | 94 07 20.0 | 19 57.30 | -28 16.0 | 17.1 | -1.13 | - | 4.7 | 3.3/18.7 | 23538 | 4099 P-L | 94 07 25.0 | 20 16.79 | -10 12.4 | 17.7 | -1.01 | - | 3.1 | 4.1/26.7 | 23791 |
| 1993 FH ₂₄ | 94 07 20.1 | 19 57.65 | -12 15.4 | 16.4 | -0.86 | - | 2.6 | 3.2/21.6 | 23790 | 1981 EJ ₁₉ | 94 07 25.0 | 20 17.07 | -19 22.2 | 18.2 | -0.78 | - | 2.7 | 0.1/25.1 | 22270 |
| 1991 RG | 94 07 20.2 | 19 57.69 | -13 45.8 | 16.9 | -1.04 | - | 2.3 | 3.1/21.3 | 21976 | (5698) | 94 07 25.0 | 20 17.11 | -21 30.8 | 16.2 | -0.83 | - | 3.0 | 0.6/24.7 | 22586 |
| 1993 BM ₁₂ | 94 07 20.2 | 19 57.83 | -22 00.5 | 16.4 | -1.04 | - | 2.1 | 0.5/20.0 | 22086 | 4524 P-L | 94 07 25.1 | 20 17.45 | -18 42.3 | 16.3 | -1.04 | - | 3.3 | 0.4/25.4 | 23791 |
| 1993 FB ₅ | 94 07 20.2 | 19 57.84 | -29 13.1 | 17.4 | -0.97 | - | 2.1 | 3.0/18.9 | 23521 | 1981 EK ₂₆ | 94 07 25.3 | 20 18.29 | -16 10.3 | 18.0 | -0.90 | - | 4.3 | 1.5/26.1 | 15880 |
| 1973 SM ₁ | 94 07 20.4 | 19 58.78 | -04 05.5 | 19.0 | -0.50 | - | 1.7 | 3.1/23.7 | 21963 | 2559 P-L | 94 07 25.5 | 20 19.16 | -23 09.7 | 16.9 | -1.06 | - | 4.2 | 1.4/24.9 | 21977 |
| 1993 FT ₂₃ | 94 07 20.5 | 19 59.00 | -20 22.7 | 15.7 | -0.83 | - | 1.9 | 0.1/20.6 | 23525 | 1986 RE ₂ | 94 07 25.6 | 20 19.10 | -15 43.6 | 15.7 | -1.13 | + | 4.3 | 1.5/26.0 | 19499 |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| 1990 VN ₂ | 94 07 25.7 | 20 19.83 | -13 07.5 | 17.9 | -0.80 | - 5.5 | 1.9/27.0 | 20150 | 1980 RB ₈ | 94 07 30.2 | 20 37.14 | -09 22.3 | 16.7 | -0.97 | - 2.5 | 4.0/01.1 | 23535 |
| (6035) | 94 07 25.8 | 20 20.12 | +16 13.2 | 16.0 | -0.77 | -14.9 | 16.0/10.1 | 23772 | 1993 CK | 94 07 30.2 | 20 37.42 | -26 59.5 | 15.9 | -1.06 | - 3.6 | 3.4/28.5 | 22957 |
| 1979 SP ₁₃ | 94 07 25.9 | 20 20.43 | -22 37.8 | 16.0 | -1.01 | - 5.0 | 1.2/25.3 | 21965 | 1993 CP ₁ | 94 07 30.2 | 20 37.46 | -05 04.0 | 16.2 | -0.84 | - 8.1 | 5.2/03.0 | 23134 |
| 1989 GH | 94 07 26.1 | 20 21.16 | -14 10.2 | 15.8 | -0.86 | - 8.0 | 2.0/27.5 | 22599 | 1991 VM ₄ | 94 07 30.3 | 20 37.68 | -23 40.0 | 17.6 | -1.06 | - 3.7 | 2.0/29.2 | 22273 |
| 4004 P-L | 94 07 26.1 | 20 21.34 | -25 17.8 | 17.3 | -0.99 | - 1.4 | 2.2/25.1 | 23539 | 1984 CM | 94 07 30.4 | 20 37.99 | -34 20.5 | 16.4 | -1.06 | - 2.7 | 5.6/27.0 | 22589 |
| 1990 WN ₅ | 94 07 26.2 | 20 21.48 | -34 53.8 | 15.9 | -0.92 | - 3.9 | 5.0/22.8 | 22231 | 1993 FA ₅ | 94 07 30.4 | 20 38.15 | -11 46.1 | 16.9 | -1.00 | - 6.0 | 2.7/32.0 | 23521 |
| 1990 OE ₂ | 94 07 26.4 | 20 22.29 | -21 49.0 | 15.0 | -0.89 | -11.2 | 1.0/25.7 | 23789 | 1989 CY ₂ | 94 07 30.5 | 20 38.67 | -09 29.0 | 18.2 | -0.99 | - 3.5 | 3.5/01.4 | 21972 |
| 1993 FM ₄₀ | 94 07 26.4 | 20 22.39 | -18 30.4 | 17.1 | -0.80 | - 3.7 | 0.3/26.6 | 23527 | (5525) | 94 07 30.5 | 20 38.78 | -28 30.0 | 14.6 | -1.15 | + 1.7 | 5.3/29.0 | 21922 |
| (6030) | 94 07 26.5 | 20 22.76 | -13 21.1 | 16.4 | -0.76 | - 3.6 | 1.9/27.8 | 23771 | 1978 SA ₅ | 94 07 30.7 | 20 39.22 | -16 58.8 | 17.7 | -1.09 | - 4.2 | 0.6/31.0 | 21099 |
| (5515) | 94 07 26.7 | 20 23.57 | -03 05.9 | 15.8 | -0.85 | - 7.3 | 6.2/31.0 | 21918 | (5946) | 94 07 30.7 | 20 39.50 | -14 52.7 | 17.4 | -1.01 | - 3.3 | 1.3/31.5 | 23501 |
| (5438) | 94 07 26.7 | 20 23.62 | -15 05.5 | 15.3 | -1.12 | + 3.0 | 1.4/27.3 | 21553 | 1984 YE ₄ | 94 07 30.9 | 20 40.00 | -27 21.2 | 16.6 | -1.06 | - 5.6 | 3.5/28.8 | 22492 |
| 1990 SP ₇ | 94 07 26.7 | 20 23.64 | -23 59.8 | 16.4 | -0.91 | - 3.4 | 1.6/25.8 | 23537 | 1168 T-3 | 94 07 31.2 | 20 41.52 | -35 24.5 | 18.2 | -1.14 | - 0.5 | 6.2/27.9 | 18134 |
| 1988 VM ₃ | 94 07 27.0 | 20 24.62 | -23 23.2 | 15.7 | -1.02 | - 2.2 | 2.2/26.2 | 21972 | 1990 TK ₈ | 94 07 31.5 | 20 42.46 | -34 53.6 | 16.9 | -0.93 | - 3.0 | 5.4/27.7 | 22494 |
| 1988 CF ₇ | 94 07 27.0 | 20 24.76 | -05 06.0 | 15.8 | -0.89 | - 1.2 | 6.1/29.5 | 23789 | 2103 P-L | 94 07 31.6 | 20 42.62 | -13 08.3 | 17.4 | -0.90 | - 3.6 | 1.9/01.7 | 21977 |
| 1988 BC | 94 07 27.0 | 20 24.79 | -31 05.6 | 17.2 | -0.96 | - 5.0 | 3.5/24.4 | 22272 | 1304 T-2 | 94 07 31.6 | 20 42.68 | -16 28.9 | 16.7 | -0.82 | - 3.1 | 0.6/32.0 | 22087 |
| 1987 YS ₁ | 94 07 27.1 | 20 25.22 | -10 33.7 | 17.3 | -0.87 | - 6.9 | 3.0/29.2 | 22272 | 1980 DX | 94 07 31.8 | 20 43.64 | -10 09.4 | 15.4 | -0.81 | - 7.8 | 3.2/03.0 | 23787 |
| 1990 VY ₁₃ | 94 07 27.3 | 20 25.81 | -23 52.9 | 16.9 | -0.81 | - 3.1 | 1.3/26.3 | 22826 | 1980 FH ₅ | 94 08 01.0 | 20 44.34 | -34 39.5 | 17.1 | -1.14 | - 0.7 | 5.7/28.8 | 21965 |
| 1990 VU ₁₄ | 94 07 27.3 | 20 26.02 | -26 50.0 | 16.2 | -0.84 | - 4.0 | 2.2/25.7 | 19867 | 3146 T-2 | 94 08 01.1 | 20 44.87 | -20 35.8 | 17.7 | -1.00 | - 5.6 | 1.0/31.6 | 23534 |
| 1974 RV ₁ | 94 07 27.4 | 20 26.18 | -18 45.7 | 14.8 | -1.01 | - 0.9 | 0.2/27.5 | 23787 | 1991 UW ₃ | 94 08 01.2 | 20 45.11 | -19 02.5 | 14.7 | -1.10 | + 0.3 | 0.5/01.1 | 23538 |
| 1991 XO ₁ | 94 07 27.5 | 20 26.60 | -23 04.9 | 15.7 | -1.01 | - 5.2 | 1.8/26.7 | 23790 | 1968 OZ | 94 08 01.3 | 20 45.42 | -53 25.5 | 17.6 | -1.32 | - 5.4 | 11.2/22.3 | 22221 |
| 1976 QE ₁ | 94 07 27.7 | 20 27.38 | -39 43.8 | 15.4 | -1.04 | + 1.5 | 6.6/24.5 | 21964 | 1992 BW ₃ | 94 08 01.4 | 20 45.85 | -31 31.9 | 17.3 | -1.01 | - 5.3 | 6.8/28.9 | 21580 |
| 1990 WC | 94 07 27.7 | 20 27.60 | -32 44.2 | 16.5 | -1.02 | - 5.3 | 4.7/24.5 | 21975 | 1986 WZ | 94 08 01.5 | 20 46.49 | -14 18.6 | 16.7 | -0.90 | - 2.8 | 1.4/02.4 | 20924 |
| 1993 GY | 94 07 27.7 | 20 27.82 | -39 07.6 | 16.9 | -1.09 | - 5.0 | 6.9/23.1 | 23350 | (5562) | 94 08 01.6 | 20 46.64 | -25 04.1 | 16.9 | -0.97 | - 5.6 | 2.5/30.9 | 22047 |
| 1981 ET ₁₄ | 94 07 27.9 | 20 28.15 | -16 54.9 | 19.0 | -0.78 | - 2.4 | 0.6/28.4 | 22270 | 1990 QS ₁ | 94 08 01.7 | 20 47.03 | -22 35.4 | 17.0 | -0.94 | - 2.7 | 1.7/31.7 | 23537 |
| 1991 RB ₃ | 94 07 27.9 | 20 28.40 | -14 48.8 | 16.9 | -1.07 | - 2.6 | 1.9/28.7 | 23517 | 2108 T-2 | 94 08 01.9 | 20 47.78 | -12 07.7 | 17.0 | -0.92 | - 4.4 | 2.7/03.3 | 21603 |
| 1987 SL ₁₀ | 94 07 28.2 | 20 29.50 | -11 40.5 | 17.5 | -0.65 | - 3.7 | 1.8/29.9 | 21971 | 1982 BQ ₂ | 94 08 01.9 | 20 47.80 | -16 17.6 | 17.2 | -1.00 | - 5.7 | 0.6/02.3 | 22492 |
| 1989 SV ₁ | 94 07 28.2 | 20 29.56 | -18 54.3 | 17.1 | -0.81 | - 3.6 | 0.0/28.3 | 21938 | 1981 BC | 94 08 01.9 | 20 47.87 | -24 55.9 | 18.1 | -1.13 | - 1.1 | 2.6/31.6 | 23510 |
| 1988 XD ₁ | 94 07 28.3 | 20 30.05 | -26 02.6 | 16.9 | -1.13 | - 4.6 | 2.9/26.9 | 23537 | 1991 RC ₄ | 94 08 02.0 | 20 48.14 | -12 54.1 | 16.9 | -1.02 | - 3.8 | 2.0/03.1 | 23538 |
| 1993 FT ₃₃ | 94 07 28.4 | 20 30.33 | -26 25.1 | 16.3 | -0.91 | - 3.4 | 2.8/26.9 | 23526 | (5477) | 94 08 02.1 | 20 48.54 | -64 54.6 | 15.1 | -1.91 | - 3.6 | 23.0/17.0 | 21775 |
| 1973 SS ₄ | 94 07 28.4 | 20 30.47 | -45 07.0 | 16.1 | -1.02 | - 1.3 | 6.7/23.0 | 20327 | 1989 BA | 94 08 02.1 | 20 48.57 | -41 03.1 | 17.6 | -1.38 | + 1.0 | 7.4/29.1 | 22401 |
| (6051) | 94 07 28.4 | 20 30.52 | -14 37.7 | 16.0 | -0.76 | - 9.0 | 1.4/29.7 | 23776 | 1979 QC ₂ | 94 08 02.3 | 20 49.19 | -15 51.5 | 16.5 | -0.82 | - 3.9 | 0.6/02.8 | 23787 |
| 3164 T-3 | 94 07 28.5 | 20 30.74 | +01 16.3 | 17.2 | -0.82 | - 4.2 | 7.5/02.2 | 21978 | 1993 FR ₂₃ | 94 08 02.4 | 20 49.91 | -27 47.5 | 15.7 | -1.16 | - 1.8 | 4.7/31.4 | 23525 |
| 3045 P-L | 94 07 28.7 | 20 31.30 | -30 41.8 | 15.6 | -1.14 | + 3.5 | 5.3/27.2 | 22086 | 1983 RB ₂ | 94 08 02.6 | 20 50.38 | -00 01.2 | 16.1 | -0.82 | - 8.6 | 7.6/07.8 | 23536 |
| 1991 UV | 94 07 28.7 | 20 31.51 | -14 45.4 | 14.9 | -0.91 | - 3.2 | 2.1/29.6 | 23790 | 1260 T-2 | 94 08 02.6 | 20 50.38 | -08 28.0 | 18.6 | -0.84 | - 4.9 | 3.0/04.9 | 15078 |
| 1992 BH | 94 07 28.8 | 20 31.82 | -12 18.9 | 16.9 | -0.74 | - 6.5 | 1.8/30.5 | 23790 | 1993 JL ₁ | 94 08 02.7 | 20 51.20 | -16 54.3 | 18.0 | -0.75 | - 3.2 | 0.2/03.0 | 22958 |
| 1977 RL ₇ | 94 07 28.9 | 20 32.05 | +02 28.4 | 16.8 | -0.84 | - 4.2 | 8.5/02.6 | 22073 | 1986 SZ ₁ | 94 08 02.8 | 20 51.47 | -00 48.0 | 15.1 | -0.92 | - 1.1 | 5.7/06.3 | 20814 |
| 1979 TA | 94 07 28.9 | 20 32.05 | -18 36.1 | 15.6 | -0.96 | - 1.6 | 0.1/28.9 | 23787 | 1993 FF ₂₆ | 94 08 02.9 | 20 51.62 | -21 58.9 | 17.0 | -1.14 | - 2.5 | 1.9/02.0 | 23525 |
| (5557) | 94 07 28.9 | 20 32.43 | -28 40.8 | 15.5 | -1.05 | - 1.8 | 4.1/27.2 | 22045 | 1978 NQ ₁ | 94 08 03.1 | 20 52.61 | -12 52.4 | 14.9 | -0.98 | - 0.5 | 2.6/04.1 | 23787 |
| 1985 RR ₄ | 94 07 29.0 | 20 32.87 | -05 28.1 | 17.0 | -0.77 | - 5.6 | 5.5/01.4 | 23788 | 3268 T-3 | 94 08 03.2 | 20 52.71 | -07 25.6 | 19.5 | -0.96 | - 4.7 | 4.1/05.6 | 20518 |
| 1987 SX ₁₇ | 94 07 29.1 | 20 33.09 | -11 16.2 | 14.6 | -0.83 | - 1.0 | 4.1/30.6 | 15415 | 1986 GC | 94 08 03.2 | 20 52.73 | -30 08.1 | 16.9 | -1.06 | - 4.4 | 5.2/31.3 | 22077 |
| 3040 P-L | 94 07 29.2 | 20 33.64 | -13 48.7 | 16.2 | -0.96 | + 1.9 | 2.3/30.0 | 21977 | 1989 GJ | 94 08 03.2 | 20 52.81 | -12 33.5 | 15.0 | -0.76 | -11.7 | 2.1/04.8 | 23789 |
| 1989 CB ₆ | 94 07 29.3 | 20 33.88 | -19 33.4 | 18.4 | -0.99 | - 4.3 | 0.3/29.2 | 23514 | (5624) | 94 08 03.4 | 20 53.83 | -10 50.5 | 16.0 | -0.75 | - 6.2 | 2.2/05.3 | 22393 |
| 1988 BX | 94 07 29.4 | 20 34.31 | -06 13.8 | 14.6 | -1.55 | +10.2 | 6.7/29.9 | 23788 | 1988 TJ ₂ | 94 08 03.5 | 20 54.08 | -26 26.7 | 16.3 | -1.16 | - 2.3 | 4.1/01.7 | 21972 |
| 1993 FZ ₁₂ | 94 07 29.6 | 20 35.06 | -17 26.2 | 14.6 | -0.85 | - 5.9 | 0.5/30.0 | 23523 | 1987 QS | 94 08 03.5 | 20 54.11 | -20 08.0 | 16.2 | -1.06 | + 0.9 | 1.3/03.1 | 22599 |
| 1990 SY ₃ | 94 07 29.6 | 20 35.20 | -07 28.2 | 15.7 | -0.97 | + 2.3 | 4.9/31.3 | 17641 | 1987 DP ₆ | 94 08 03.5 | 20 54.18 | -15 22.6 | 18.0 | -0.78 | - 4.7 | 0.6/04.1 | 22078 |
| 1993 ER | 94 07 29.7 | 20 35.56 | -19 57.5 | 16.2 | -1.03 | - 3.8 | 0.5/29.5 | 23539 | 1988 BW | 94 08 03.8 | 20 55.10 | -21 32.7 | 16.9 | -1.02 | - 0.4 | 1.4/03.0 | 22400 |
| 1993 FU ₁₇ | 94 07 29.9 | 20 36.02 | -31 40.0 | 16.4 | -1.16 | - 4.6 | 5.4/27.0 | 23523 | (5734) | 94 08 03.8 | 20 55.13 | -24 13.5 | 16.6 | -1.00 | - 6.6 | 2.6/02.1 | 22676 |
| 1992 BF ₄ | 94 07 29.9 | 20 36.41 | -22 19.4 | 18.4 | -0.88 | - 3.2 | 1.2/29.2 | 20340 | 4060 P-L | 94 08 03.8 | 20 55.27 | -14 52.3 | 18.0 | -0.89 | - 3.5 | 0.9/04.4 | 22086 |
| (6045) | 94 07 29.9 | 20 36.42 | -12 03.6 | 15.1 | -0.92 | - 4.3 | 3.3/31.5 | 23774 | 1981 EG ₃₉ | 94 08 03.9 | 20 55.52 | -22 37.2 | 17.6 | -0.86 | - 1.9 | 1.9/02.8 | 23788 |
| 1988 CH | 94 07 30.0 | 20 36.67 | -13 35.8 | 17.4 | -0.92 | - 4.5 | 1.7/31.2 | 22272 | 1988 AX ₁ | 94 08 03.9 | 20 55.54 | -15 51.7 | 17.4 | -1.01 | - 0.3 | 0.5/04.2 | 21971 |
| 6030 P-L | 94 07 30.1 | 20 37.01 | -14 41.5 | 17.6 | -0.68 | - 3.0 | 1.0/31.0 | 19318 | 1990 KM | 94 08 04.1 | 20 56.47 | +16 52.9 | 16.2 | -0.87 | - 5.0 | 13.9/15.3 | 23780 |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| (5598) | 94 08 04.1 | 20 56.63 | -12 53.6 | 15.8 | -1.09 | - 2.4 | 1.8/05.1 | 22215 | (5932) | 94 08 09.7 | 21 17.97 | -17 11.6 | 16.8 | -0.89 | - 4.8 | 0.5/09.4 | 23498 |
| 1081 T-1 | 94 08 04.3 | 20 57.36 | -15 25.4 | 17.6 | -0.80 | - 3.0 | 0.6/04.8 | 19877 | (5980) | 94 08 10.1 | 21 19.17 | -19 55.6 | 14.8 | -1.06 | - 2.4 | 2.0/09.1 | 23509 |
| 1981 EY ₁₇ | 94 08 04.4 | 20 57.62 | -14 51.5 | 17.2 | -0.95 | - 4.7 | 0.9/05.0 | 22823 | 2594 P-L | 94 08 10.1 | 21 19.49 | -14 46.6 | 18.0 | -0.81 | - 4.7 | 0.3/10.4 | 23791 |
| (5487) | 94 08 04.5 | 20 58.13 | -20 14.8 | 15.4 | -1.01 | - 3.0 | 1.3/03.9 | 22799 | 3159 T-2 | 94 08 10.2 | 21 19.82 | -04 41.7 | 17.1 | -0.79 | - 8.3 | 4.2/13.6 | 17653 |
| 1982 DU | 94 08 04.7 | 20 58.61 | -31 42.7 | 17.8 | -0.97 | - 0.5 | 3.9/01.7 | 22075 | 2547 P-L | 94 08 10.3 | 21 20.05 | -19 20.6 | 17.6 | -0.78 | - 4.0 | 1.4/09.3 | 22700 |
| 1993 FO ₃₆ | 94 08 04.7 | 20 58.69 | -04 47.1 | 16.6 | -0.76 | - 6.6 | 4.9/08.3 | 23790 | 1993 BH ₂ | 94 08 10.5 | 21 20.97 | -18 22.2 | 15.3 | -0.94 | - 6.2 | 1.2/09.8 | 21947 |
| 1989 GM | 94 08 04.7 | 20 58.71 | -25 42.6 | 15.4 | -0.86 | -12.0 | 3.4/02.0 | 21973 | 1989 BV ₁ | 94 08 10.7 | 21 21.41 | -16 31.3 | 16.9 | -0.98 | - 3.9 | 0.4/10.4 | 23537 |
| 1991 UM ₁ | 94 08 04.8 | 20 59.05 | -21 45.1 | 14.4 | -0.99 | + 0.9 | 2.6/04.0 | 23790 | 1991 SM ₂ | 94 08 11.1 | 21 22.99 | -26 26.4 | 16.9 | -1.12 | - 2.8 | 4.6/08.5 | 23517 |
| 1981 QW ₂ | 94 08 04.8 | 20 59.22 | -25 50.7 | 16.3 | -0.94 | - 3.4 | 4.7/02.8 | 20329 | 1992 YC ₃ | 94 08 11.1 | 21 23.25 | +07 16.3 | 16.3 | -1.47 | + 6.8 | 12.0/13.6 | 21802 |
| 1977 DU | 94 08 04.9 | 20 59.35 | -22 22.0 | 17.1 | -1.03 | - 2.0 | 1.9/03.8 | 22270 | 1986 CD ₂ | 94 08 11.3 | 21 24.03 | -22 52.2 | 17.6 | -1.11 | - 3.1 | 3.0/09.6 | 23536 |
| 1973 QG ₂ | 94 08 05.1 | 21 00.21 | -21 44.7 | 16.0 | -0.85 | - 3.6 | 1.7/04.0 | 22270 | 1989 UN ₃ | 94 08 11.5 | 21 24.77 | -14 24.3 | 16.6 | -0.76 | - 4.4 | 0.3/11.8 | 23780 |
| 1978 VX ₃ | 94 08 05.2 | 21 00.38 | -11 53.7 | 18.3 | -0.90 | - 3.4 | 1.8/06.4 | 22073 | 1986 GF | 94 08 11.6 | 21 24.97 | +18 55.9 | 17.7 | -0.90 | - 6.2 | 11.3/23.3 | 22430 |
| 1991 PF ₁₀ | 94 08 05.2 | 21 00.59 | -16 02.7 | 16.0 | -1.00 | - 5.9 | 0.5/05.5 | 22494 | (5596) | 94 08 11.6 | 21 25.14 | -08 32.1 | 15.5 | -1.05 | - 3.8 | 2.7/13.3 | 22215 |
| 1979 QW ₃ | 94 08 05.2 | 21 00.72 | -16 10.2 | 17.1 | -0.97 | - 4.6 | 0.3/05.5 | 20328 | 1157 T-2 | 94 08 11.7 | 21 25.46 | -10 58.1 | 18.5 | -0.97 | - 5.3 | 1.6/12.9 | 22087 |
| (5390) | 94 08 05.3 | 21 01.07 | -51 10.6 | 15.5 | -1.43 | -14.2 | 15.3/22.7 | 21243 | 1993 FU ₁₁ | 94 08 11.7 | 21 25.62 | -16 56.3 | 16.4 | -0.86 | - 5.9 | 0.7/11.3 | 23523 |
| 2272 T-3 | 94 08 05.5 | 21 01.73 | -23 35.1 | 17.4 | -1.10 | - 3.1 | 2.7/04.1 | 21978 | 3174 T-1 | 94 08 12.1 | 21 27.04 | -27 54.7 | 16.6 | -1.13 | - 0.2 | 5.7/09.4 | 22087 |
| 1992 BK | 94 08 05.5 | 21 01.76 | -21 12.7 | 17.2 | -0.94 | - 3.1 | 1.4/04.6 | 22084 | 2649 P-L | 94 08 12.2 | 21 27.08 | -01 37.4 | 17.5 | -0.81 | - 6.4 | 4.5/16.2 | 23680 |
| 1981 EB ₂₁ | 94 08 05.6 | 21 02.13 | -16 03.7 | 19.8 | -0.78 | - 2.9 | 0.2/05.8 | 21967 | 1976 GH ₂ | 94 08 12.2 | 21 27.38 | -13 57.7 | 16.0 | -0.76 | - 4.1 | 0.4/12.6 | 23787 |
| 1966 BB | 94 08 05.7 | 21 02.58 | -17 34.7 | 16.9 | -1.00 | - 7.2 | 0.3/05.6 | 22270 | 1988 CX ₄ | 94 08 12.7 | 21 28.96 | -03 24.9 | 18.5 | -0.80 | - 6.0 | 4.0/16.1 | 15889 |
| 1981 EK ₁₈ | 94 08 05.8 | 21 02.89 | -14 57.2 | 16.9 | -0.76 | - 3.3 | 0.5/06.3 | 23787 | 2092 T-2 | 94 08 13.0 | 21 30.50 | -09 11.6 | 17.9 | -0.84 | - 5.4 | 1.8/14.7 | 15082 |
| 1993 FX ₃₇ | 94 08 05.9 | 21 03.43 | -21 49.6 | 15.5 | -0.91 | - 3.7 | 2.0/04.8 | 23527 | 4523 P-L | 94 08 13.2 | 21 30.88 | -13 33.1 | 17.7 | -0.51 | - 2.5 | 0.2/13.6 | 18130 |
| 1988 XV ₂ | 94 08 06.0 | 21 03.74 | -13 36.4 | 17.4 | -1.11 | - 2.7 | 1.4/06.7 | 22493 | 1991 UB ₂ | 94 08 13.2 | 21 30.95 | -02 42.1 | 16.0 | -0.93 | - 4.6 | 5.2/16.5 | 22700 |
| 2712 P-L | 94 08 06.0 | 21 03.76 | -18 33.5 | 17.2 | -0.89 | - 4.9 | 0.7/05.6 | 23531 | 1990 QA ₂ | 94 08 13.2 | 21 31.06 | -14 42.6 | 16.8 | -0.90 | - 3.7 | 0.0/13.2 | 22082 |
| (5600) | 94 08 06.5 | 21 05.54 | -28 12.8 | 15.6 | -1.05 | - 6.5 | 5.1/03.4 | 22216 | (5617) | 94 08 13.2 | 21 31.15 | -05 53.1 | 16.8 | -0.93 | - 4.1 | 3.0/15.6 | 22391 |
| 1978 GA | 94 08 06.6 | 21 05.80 | -11 22.5 | 17.5 | -0.93 | - 6.8 | 1.9/08.0 | 22270 | 1990 VC ₁ | 94 08 13.6 | 21 32.68 | -24 47.6 | 16.3 | -0.89 | - 8.4 | 3.7/10.4 | 22826 |
| 1986 QZ ₂ | 94 08 06.7 | 21 06.25 | -32 12.8 | 15.8 | -1.09 | - 0.3 | 6.7/03.6 | 22077 | (5558) | 94 08 13.7 | 21 32.72 | -16 04.7 | 15.1 | -0.96 | -25.5 | 0.7/13.1 | 22045 |
| (6041) | 94 08 06.7 | 21 06.35 | +06 35.4 | 15.0 | -0.43 | - 8.0 | 12.7/16.2 | 23773 | 9575 P-L | 94 08 13.8 | 21 33.18 | -20 41.7 | 16.6 | -0.93 | - 6.1 | 3.3/12.0 | 19877 |
| (5591) | 94 08 07.0 | 21 07.31 | -10 48.7 | 15.7 | -0.83 | - 4.6 | 2.1/08.5 | 22213 | 1991 VG ₂ | 94 08 13.9 | 21 33.79 | -14 00.9 | 17.2 | -0.95 | - 5.7 | 0.2/14.1 | 19519 |
| 2078 T-2 | 94 08 07.0 | 21 07.47 | -09 14.6 | 16.9 | -0.89 | - 5.8 | 3.4/08.9 | 23681 | 1979 MS ₄ | 94 08 13.9 | 21 33.85 | -14 00.2 | 18.0 | -0.89 | - 6.7 | 0.2/14.1 | 19291 |
| 6614 P-L | 94 08 07.2 | 21 08.17 | -17 52.4 | 16.8 | -0.87 | - 5.1 | 0.6/06.9 | 23532 | 1053 T-2 | 94 08 14.0 | 21 33.98 | -13 14.8 | 17.0 | -0.90 | - 4.7 | 0.5/14.4 | 23791 |
| 1992 AS ₁ | 94 08 07.2 | 21 08.44 | -10 42.5 | 15.8 | -0.81 | - 7.4 | 1.9/08.9 | 23790 | 1992 EZ ₇ | 94 08 14.1 | 21 34.26 | -07 08.3 | 17.2 | -0.83 | - 8.0 | 2.5/16.0 | 23783 |
| 1987 DW ₆ | 94 08 07.3 | 21 08.76 | -18 36.5 | 16.6 | -0.80 | - 3.3 | 0.7/06.8 | 22599 | 1981 EZ ₃₇ | 94 08 14.1 | 21 34.32 | -05 57.2 | 19.4 | -0.72 | - 5.0 | 2.6/16.6 | 22271 |
| 1991 VK ₄ | 94 08 07.4 | 21 08.84 | -15 08.7 | 15.0 | -1.02 | - 2.2 | 0.6/07.7 | 23538 | 4255 T-1 | 94 08 14.1 | 21 34.33 | -12 16.3 | 18.9 | -0.94 | - 6.1 | 0.8/14.7 | 19327 |
| 1991 UU ₃ | 94 08 07.6 | 21 09.95 | -19 39.5 | 14.9 | -0.96 | - 2.7 | 1.7/06.9 | 19515 | 1982 UU ₅ | 94 08 14.3 | 21 35.22 | -08 14.9 | 15.7 | -0.89 | - 3.0 | 2.5/16.0 | 22271 |
| (5574) | 94 08 07.7 | 21 09.99 | -12 32.3 | 16.1 | -0.83 | - 7.9 | 1.2/08.8 | 22206 | 3013 T-2 | 94 08 14.4 | 21 35.56 | -11 46.8 | 17.3 | -0.85 | - 5.9 | 0.9/15.2 | 17836 |
| 1991 VR ₃ | 94 08 07.8 | 21 10.42 | -20 20.9 | 16.2 | -1.03 | - 7.7 | 1.8/06.7 | 21977 | 1991 RA ₅ | 94 08 14.4 | 21 35.75 | -17 06.1 | 17.7 | -1.06 | - 3.4 | 1.1/13.8 | 23517 |
| (5695) | 94 08 07.8 | 21 10.49 | -03 46.5 | 16.9 | -0.81 | - 6.7 | 4.2/11.4 | 22585 | 1251 T-2 | 94 08 14.6 | 21 36.16 | -13 56.6 | 18.2 | -0.76 | - 4.0 | 0.1/14.7 | 22701 |
| 1981 EH ₁ | 94 08 07.9 | 21 10.97 | -13 21.0 | 17.5 | -0.73 | - 4.6 | 0.8/08.7 | 22429 | 1993 FX ₄₀ | 94 08 14.6 | 21 36.41 | +00 24.6 | 17.5 | -0.77 | - 8.5 | 5.3/19.6 | 23527 |
| 1981 ED ₃₅ | 94 08 08.1 | 21 11.61 | -18 07.5 | 19.0 | -1.00 | - 4.0 | 0.7/07.7 | 21967 | 1990 VA ₇ | 94 08 14.8 | 21 37.07 | -43 52.3 | 16.3 | -0.97 | - 2.3 | 8.0/06.1 | 22083 |
| (5612) | 94 08 08.2 | 21 12.18 | -28 59.3 | 16.7 | -1.02 | - 4.4 | 4.6/05.0 | 22389 | 1986 TW ₉ | 94 08 15.4 | 21 39.22 | -09 27.8 | 15.1 | -0.94 | - 0.6 | 2.1/16.0 | 23788 |
| 1981 EJ ₇ | 94 08 08.2 | 21 12.26 | -14 23.4 | 16.6 | -0.83 | - 1.4 | 0.6/08.7 | 23787 | 1989 HG | 94 08 15.4 | 21 39.39 | +03 24.7 | 17.0 | -0.81 | - 7.3 | 5.7/21.1 | 22493 |
| 1988 BP ₃ | 94 08 08.3 | 21 12.50 | -10 09.3 | 15.3 | -0.78 | - 7.4 | 2.4/10.1 | 23789 | 1981 ES ₉ | 94 08 15.5 | 21 39.89 | -02 19.9 | 18.5 | -0.71 | - 5.0 | 3.5/19.1 | 23787 |
| 1991 UK ₂ | 94 08 08.4 | 21 12.74 | -05 31.3 | 15.8 | -0.94 | - 5.2 | 4.4/11.0 | 23538 | 1985 HL | 94 08 15.6 | 21 40.28 | -08 32.1 | 18.0 | -0.87 | - 6.3 | 1.7/17.3 | 22076 |
| 1982 BP ₂ | 94 08 08.4 | 21 12.86 | -12 07.1 | 16.4 | -1.00 | - 4.1 | 1.6/09.4 | 23511 | 1987 US ₄ | 94 08 15.9 | 21 41.02 | -16 25.1 | 15.8 | -0.99 | - 3.2 | 1.2/15.3 | 21971 |
| 1993 FW ₃₇ | 94 08 08.7 | 21 14.11 | -02 09.6 | 17.4 | -0.82 | - 6.6 | 4.7/12.8 | 23527 | 1981 EY ₁₂ | 94 08 15.9 | 21 41.19 | -01 29.1 | 18.4 | -0.89 | - 5.4 | 4.2/19.5 | 21966 |
| 1986 UO | 94 08 08.8 | 21 14.31 | -21 01.4 | 15.8 | -0.89 | - 2.9 | 2.4/07.6 | 21970 | 5568 P-L | 94 08 16.0 | 21 41.46 | -27 54.4 | 16.5 | -0.98 | - 2.6 | 5.7/12.3 | 22601 |
| 1981 EN ₂ | 94 08 08.8 | 21 14.39 | -04 24.4 | 20.0 | -0.76 | - 2.4 | 3.3/11.7 | 22429 | 1993 CN ₁ | 94 08 16.0 | 21 41.61 | -07 14.4 | 15.5 | -0.99 | - 5.3 | 2.9/17.9 | 22086 |
| 1991 AG ₂ | 94 08 09.2 | 21 16.06 | -08 08.1 | 16.8 | -0.81 | -10.8 | 3.1/11.0 | 17833 | 5162 T-2 | 94 08 16.1 | 21 41.90 | -12 05.1 | 15.8 | -0.86 | - 1.2 | 0.6/16.6 | 22701 |
| 1981 ED ₁₂ | 94 08 09.3 | 21 16.18 | +01 04.2 | 17.7 | -0.85 | - 5.8 | 6.0/14.2 | 23511 | 1993 HV | 94 08 16.2 | 21 42.21 | +00 55.5 | 14.7 | -0.62 | - 7.7 | 5.1/21.3 | 23790 |
| 1990 HG | 94 08 09.5 | 21 17.09 | -57 39.7 | 16.8 | -1.57 | - 1.6 | 16.6/28.1 | 20506 | 1992 CT | 94 08 16.2 | 21 42.22 | -18 41.9 | 16.3 | -0.84 | - 4.5 | 1.7/14.8 | 19873 |
| 1987 DK ₆ | 94 08 09.7 | 21 17.60 | -16 40.0 | 15.8 | -1.05 | - 2.4 | 0.5/09.5 | 22078 | 1977 EO ₁ | 94 08 16.3 | 21 42.49 | -18 25.6 | 16.5 | -0.82 | - 3.9 | 1.5/15.0 | 22598 |

| | | | | | | | | | | | | | | | | | |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| 4874 P-L | 94 08 16.3 | 21 42.64 | -19 40.9 | 18.2 | -0.91 | - 4.5 | 2.2/14.7 | 22086 | 1990 VZ ₄ | 94 08 22.6 | 22 06.06 | -01 25.8 | 16.9 | -0.72 | - 7.2 | 3.5/26.1 | 18434 |
| 1981 EM ₂₆ | 94 08 16.5 | 21 43.44 | -21 24.7 | 17.9 | -0.82 | - 2.4 | 2.4/14.5 | 23788 | 1990 XB | 94 08 22.6 | 22 06.16 | -27 32.0 | 16.3 | -0.82 | - 4.3 | 4.6/17.7 | 20150 |
| 1982 UD ₄ | 94 08 16.5 | 21 43.53 | -16 26.9 | 16.8 | -0.89 | - 3.4 | 1.3/15.8 | 20812 | 1991 UM | 94 08 22.7 | 22 06.62 | -14 19.6 | 16.0 | -1.01 | - 4.5 | 1.2/22.0 | 23518 |
| 1992 EO ₆ | 94 08 16.6 | 21 43.97 | -23 04.1 | 17.9 | -0.95 | - 4.6 | 3.5/14.0 | 23783 | 1993 HF | 94 08 22.7 | 22 06.64 | +04 58.9 | 17.1 | -0.87 | - 4.8 | 5.7/28.0 | 22241 |
| 1986 RA ₅ | 94 08 16.8 | 21 44.49 | -17 39.1 | 15.2 | -0.73 | - 9.0 | 1.9/15.5 | 23788 | 1981 EC ₂₃ | 94 08 22.8 | 22 06.68 | -10 07.2 | 16.6 | -0.75 | - 4.2 | 0.5/23.3 | 23788 |
| 1978 NS | 94 08 16.8 | 21 44.61 | -14 21.2 | 16.8 | -0.78 | - 4.0 | 0.3/16.6 | 23778 | 1987 ST ₁₁ | 94 08 22.8 | 22 06.74 | -22 36.9 | 16.1 | -1.01 | - 4.4 | 4.6/19.6 | 22272 |
| 1991 VF ₇ | 94 08 16.9 | 21 45.07 | -03 42.3 | 16.0 | -0.92 | - 4.3 | 3.9/19.7 | 23519 | 1992 AH ₁ | 94 08 22.9 | 22 07.18 | -14 18.1 | 18.2 | -0.88 | - 2.7 | 0.8/22.2 | 22084 |
| 1990 TT ₁₂ | 94 08 17.1 | 21 45.84 | -15 03.7 | 16.0 | -0.83 | - 3.7 | 0.6/16.7 | 22686 | 1493 T-2 | 94 08 22.9 | 22 07.34 | -13 53.4 | 19.4 | -0.75 | - 4.1 | 0.6/22.3 | 22087 |
| 1981 EB ₃₆ | 94 08 17.1 | 21 45.85 | -15 46.1 | 19.6 | -0.95 | - 4.3 | 0.8/16.6 | 21967 | 1992 EM ₈ | 94 08 23.0 | 22 07.37 | -19 08.3 | 17.3 | -0.82 | - 6.8 | 2.7/20.6 | 23783 |
| (5513) | 94 08 17.2 | 21 45.90 | -11 41.8 | 16.0 | -1.03 | - 4.5 | 0.7/17.7 | 21917 | 1993 LD ₁ | 94 08 23.3 | 22 08.64 | -13 38.5 | 17.3 | -0.91 | - 0.4 | 0.8/22.8 | 22489 |
| 2566 P-L | 94 08 17.2 | 21 46.25 | -10 55.4 | 18.5 | -0.94 | - 5.4 | 1.0/18.0 | 14626 | 1985 CN ₂ | 94 08 23.3 | 22 08.80 | -11 05.7 | 17.1 | -0.93 | - 6.2 | 0.1/23.5 | 22224 |
| 1993 DT ₁ | 94 08 17.3 | 21 46.23 | -08 25.2 | 17.5 | -0.87 | - 5.9 | 2.1/18.8 | 22060 | 1988 XT | 94 08 23.4 | 22 08.83 | -09 53.7 | 16.9 | -0.99 | - 5.4 | 0.6/23.9 | 23537 |
| 1989 SA ₃ | 94 08 17.7 | 21 47.87 | -25 19.5 | 17.7 | -0.80 | - 4.0 | 3.5/14.2 | 22081 | (5636) | 94 08 23.4 | 22 09.21 | -13 12.1 | 15.4 | -0.80 | - 5.6 | 0.7/22.9 | 22477 |
| 1983 EU | 94 08 17.7 | 21 48.13 | -08 30.3 | 16.3 | -0.95 | - 6.7 | 1.9/19.2 | 22075 | (5605) | 94 08 23.6 | 22 09.74 | -16 32.9 | 16.1 | -1.05 | - 4.0 | 2.0/22.2 | 22218 |
| 1991 UU | 94 08 17.9 | 21 48.86 | -01 16.2 | 14.9 | -0.85 | - 5.2 | 6.1/21.6 | 19511 | 1990 WE | 94 08 23.7 | 22 10.05 | -23 31.4 | 16.7 | -0.87 | - 5.9 | 3.8/19.8 | 22700 |
| 1981 ED ₃₄ | 94 08 18.1 | 21 49.40 | -11 45.3 | 18.3 | -0.97 | - 3.7 | 0.6/18.5 | 22271 | 1993 HK | 94 08 23.8 | 22 10.50 | -13 18.6 | 17.1 | -0.91 | - 6.2 | 0.7/23.2 | 22596 |
| 1987 HE ₁ | 94 08 18.2 | 21 49.69 | -10 26.9 | 15.2 | -0.89 | - 9.1 | 1.3/19.1 | 23788 | (5426) | 94 08 23.9 | 22 10.89 | -48 53.6 | 16.9 | -1.37 | - 8.0 | 15.1/09.5 | 21549 |
| 1981 EW ₃₁ | 94 08 18.3 | 21 50.10 | -06 44.1 | 17.9 | -0.70 | - 6.8 | 2.1/20.4 | 22074 | 1104 T-1 | 94 08 24.1 | 22 11.81 | -20 04.7 | 16.9 | -1.16 | - 0.6 | 3.6/22.1 | 22701 |
| 1991 VO | 94 08 18.3 | 21 50.19 | -03 23.9 | 16.2 | -0.90 | - 6.0 | 3.7/21.2 | 22600 | 1988 RA ₁₁ | 94 08 24.2 | 22 11.82 | -13 32.8 | 17.6 | -0.71 | - 4.8 | 0.7/23.5 | 22825 |
| 4580 P-L | 94 08 18.3 | 21 50.24 | +01 03.5 | 16.4 | -0.67 | - 9.9 | 6.1/23.5 | 22274 | 3045 T-3 | 94 08 24.2 | 22 11.94 | -32 51.4 | 15.9 | -0.90 | - 1.5 | 6.8/17.9 | 22088 |
| 1980 PB ₁ | 94 08 18.5 | 21 50.77 | -05 22.8 | 15.1 | -0.75 | -11.1 | 3.6/21.2 | 19013 | 1985 TB ₁ | 94 08 24.6 | 22 13.39 | -09 11.7 | 15.7 | -0.81 | - 4.6 | 0.6/25.2 | 20012 |
| 1978 VP ₁₁ | 94 08 18.5 | 21 51.04 | -17 09.5 | 15.9 | -0.76 | - 4.7 | 1.5/17.3 | 21927 | 1975 EA ₃ | 94 08 24.7 | 22 13.57 | -16 25.0 | 15.5 | -1.00 | - 4.4 | 2.0/23.2 | 22222 |
| 1983 CA ₁ | 94 08 18.5 | 21 51.09 | -15 37.1 | 16.9 | -0.88 | - 2.6 | 0.8/17.9 | 22492 | 1990 QT ₄ | 94 08 24.9 | 22 14.30 | -26 05.6 | 16.4 | -1.14 | + 0.3 | 5.8/21.2 | 22403 |
| 1982 UA ₇ | 94 08 18.7 | 21 51.53 | -38 22.8 | 15.5 | -0.99 | - 5.6 | 10.3/09.9 | 22271 | (5502) | 94 08 24.9 | 22 14.34 | -19 21.1 | 16.3 | -1.02 | - 0.9 | 3.0/22.8 | 21912 |
| 1990 YE | 94 08 18.8 | 21 51.90 | -15 12.0 | 17.3 | -0.76 | - 4.2 | 0.6/18.2 | 22083 | 1982 WE | 94 08 25.0 | 22 14.75 | -33 43.2 | 17.1 | -1.01 | - 4.0 | 7.5/17.7 | 22075 |
| 1983 RR ₄ | 94 08 18.8 | 21 52.02 | -01 48.0 | 15.0 | -0.71 | -13.6 | 5.0/23.1 | 23788 | 1990 DA ₁ | 94 08 25.1 | 22 15.44 | -13 00.1 | 13.9 | -1.12 | + 3.8 | 1.2/24.8 | 22272 |
| 1991 XC | 94 08 19.1 | 21 53.33 | -36 04.1 | 17.7 | -1.33 | - 0.4 | 7.8/13.3 | 20030 | 2196 P-L | 94 08 25.2 | 22 15.42 | -08 58.6 | 17.0 | -1.00 | - 5.2 | 0.7/25.7 | 20514 |
| 1987 HM ₁ | 94 08 19.2 | 21 53.60 | -30 23.7 | 16.2 | -0.86 | - 2.3 | 5.5/14.3 | 23669 | 1978 VG ₈ | 94 08 25.4 | 22 16.21 | -20 31.7 | 16.6 | -0.76 | - 4.1 | 4.9/22.3 | 22598 |
| 1981 TW ₁ | 94 08 19.3 | 21 53.72 | +03 10.4 | 14.7 | -0.69 | - 3.1 | 9.0/24.3 | 22074 | 2037 P-L | 94 08 25.4 | 22 16.30 | -27 48.4 | 17.9 | -0.98 | + 0.6 | 5.4/21.2 | 22086 |
| 1985 CJ ₁ | 94 08 19.4 | 21 54.38 | -19 23.7 | 16.5 | -0.97 | - 5.0 | 2.4/17.6 | 21969 | 1993 FZ ₇ | 94 08 25.4 | 22 16.59 | -18 41.2 | 17.5 | -1.02 | - 5.1 | 3.4/23.2 | 23522 |
| 1993 GR | 94 08 19.6 | 21 55.01 | -19 25.4 | 16.9 | -0.87 | - 3.9 | 2.2/17.8 | 22432 | 1984 HO ₁ | 94 08 25.5 | 22 16.82 | -16 16.1 | 16.8 | -1.07 | - 4.0 | 2.6/24.0 | 21104 |
| 1988 LH | 94 08 19.6 | 21 55.09 | -03 44.7 | 18.1 | -0.76 | - 4.2 | 2.5/22.4 | 22825 | 1989 GL ₄ | 94 08 25.5 | 22 16.88 | +07 07.0 | 17.1 | -0.81 | - 8.1 | 6.3/31.9 | 23514 |
| 1980 CR | 94 08 19.9 | 21 55.90 | -13 22.6 | 15.8 | -0.84 | - 7.7 | 0.3/19.7 | 22074 | 1987 SW ₁ | 94 08 25.7 | 22 17.23 | +08 25.0 | 15.8 | -0.80 | - 7.1 | 8.6/01.2 | 21971 |
| 1989 TT ₂ | 94 08 20.0 | 21 56.62 | -16 18.5 | 15.9 | -0.73 | - 6.3 | 1.3/18.9 | 22081 | 3262 T-2 | 94 08 25.7 | 22 17.57 | -18 42.1 | 14.1 | -0.85 | - 2.4 | 4.4/23.5 | 23792 |
| 1981 EA ₄₁ | 94 08 20.2 | 21 57.06 | -06 55.7 | 19.1 | -0.71 | - 5.1 | 1.6/22.0 | 22271 | 1988 FK | 94 08 25.8 | 22 17.89 | -10 24.6 | 16.0 | -0.94 | -22.2 | 12.6/15.0 | 21971 |
| 1992 AE ₁ | 94 08 20.4 | 21 57.83 | -24 30.9 | 17.1 | -0.85 | - 5.8 | 3.5/16.6 | 22815 | 1990 UJ ₁ | 94 08 25.9 | 22 18.02 | +10 42.6 | 16.7 | -0.81 | - 5.2 | 7.6/01.8 | 20149 |
| (5564) | 94 08 20.6 | 21 58.53 | -23 57.3 | 16.2 | -0.93 | - 5.6 | 4.2/17.2 | 22048 | 1991 UE ₃ | 94 08 25.9 | 22 18.36 | -26 18.0 | 15.1 | -0.93 | - 4.9 | 7.7/21.1 | 19514 |
| 1981 EJ ₁₅ | 94 08 20.7 | 21 59.05 | -08 53.0 | 17.6 | -0.94 | - 4.3 | 1.4/21.7 | 22270 | 1993 FC ₁ | 94 08 26.0 | 22 18.42 | +07 27.1 | 16.4 | -0.80 | - 7.1 | 6.1/01.3 | 22600 |
| 1990 TA ₁₃ | 94 08 21.0 | 21 59.95 | -28 14.1 | 16.8 | -0.87 | - 2.9 | 4.8/16.4 | 20507 | 7610 P-L | 94 08 26.1 | 22 19.00 | -15 00.9 | 17.5 | -0.97 | - 6.8 | 1.7/24.8 | 21950 |
| 1983 RT ₁ | 94 08 21.0 | 22 00.32 | -19 31.8 | 16.5 | -1.02 | - 1.0 | 3.4/19.3 | 22484 | 1981 EB ₁ | 94 08 26.3 | 22 19.71 | -11 40.0 | 16.4 | -0.73 | - 4.8 | 0.4/26.0 | 23787 |
| (5506) | 94 08 21.3 | 22 01.37 | -19 03.9 | 16.8 | -1.00 | - 4.0 | 2.4/19.5 | 21914 | 1984 SS ₁ | 94 08 26.3 | 22 19.80 | -03 57.1 | 18.3 | -0.96 | - 5.9 | 2.3/28.3 | 14786 |
| 9518 P-L | 94 08 21.4 | 22 01.62 | -15 31.4 | 16.9 | -0.95 | - 3.7 | 1.5/20.5 | 18132 | 1982 WA | 94 08 26.3 | 22 19.82 | +07 13.3 | 18.1 | -0.87 | - 3.7 | 5.8/31.6 | 7841 |
| 1981 DG ₃ | 94 08 21.6 | 22 02.45 | -12 02.3 | 15.3 | -0.87 | - 0.6 | 0.0/21.7 | 21966 | 1951 WH | 94 08 26.6 | 22 20.97 | -21 45.1 | 15.5 | -1.01 | - 4.5 | 5.5/23.2 | 22491 |
| 1990 QA ₈ | 94 08 21.9 | 22 03.34 | -11 56.9 | 16.9 | -0.75 | - 7.0 | 0.0/21.9 | 21974 | 1978 SE ₅ | 94 08 26.7 | 22 21.00 | +02 07.0 | 16.1 | -0.79 | - 7.4 | 4.7/30.9 | 21964 |
| 5469 T-2 | 94 08 22.0 | 22 03.88 | +00 36.2 | 17.0 | -0.95 | - 4.3 | 4.8/25.6 | 20517 | 1990 SL ₂₈ | 94 08 26.7 | 22 21.20 | -09 43.3 | 15.0 | -0.83 | - 3.9 | 0.2/26.9 | 23789 |
| 1981 EW ₂₀ | 94 08 22.0 | 22 03.91 | -12 59.9 | 16.5 | -0.76 | - 3.9 | 0.4/21.7 | 23788 | 1993 HZ | 94 08 26.7 | 22 21.21 | -06 59.2 | 15.3 | -0.85 | - 4.1 | 1.3/27.8 | 22432 |
| (5584) | 94 08 22.1 | 22 04.27 | +04 30.8 | 16.4 | -0.78 | - 7.5 | 5.6/27.8 | 22210 | 1987 SF ₇ | 94 08 26.7 | 22 21.26 | +31 18.8 | 15.6 | -1.12 | +11.0 | 22.1/01.1 | 22430 |
| 1992 EL ₁ | 94 08 22.1 | 22 04.30 | -28 10.8 | 15.8 | -0.84 | - 4.9 | 5.2/16.9 | 22827 | 1992 EF | 94 08 27.0 | 22 22.35 | +02 58.2 | 16.4 | -0.78 | - 3.2 | 3.9/31.1 | 20034 |
| 1981 EM ₁₂ | 94 08 22.4 | 22 05.35 | -17 12.0 | 19.7 | -0.91 | 0.0 | 1.7/21.1 | 11045 | 1984 DE ₁ | 94 08 27.1 | 22 22.67 | -09 49.2 | 18.1 | -0.63 | - 3.3 | 0.1/27.3 | 22076 |
| 1992 FF | 94 08 22.4 | 22 05.35 | -14 33.2 | 17.1 | -0.73 | - 3.9 | 0.7/21.6 | 21977 | 1991 UT ₃ | 94 08 27.2 | 22 22.74 | -17 27.0 | 15.3 | -0.91 | - 7.4 | 3.4/24.8 | 23518 |
| 1991 AJ ₃ | 94 08 22.4 | 22 05.38 | +04 37.3 | 15.9 | -0.82 | - 1.0 | 5.1/27.0 | 22273 | 1979 OA | 94 08 27.2 | 22 23.03 | +23 47.4 | 16.5 | -1.26 | + 4.6 | 14.4/06.3 | 6950 |