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 The MINOR PLANET CIRCULARS/MINOR PLANETS AND COMETS are published, on behalf
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 TWX 710-320-6842 ASTROGRAM CAM EASYLINK 62794505
 MARS DEN@CFA.BITNET or .SPAN BRIAN@CFAPS1.SPAN GARETH@CFAPS1.SPAN
 Brian G. Marsden, Director Gareth V. Williams, Associate Director
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EDITORIAL NOTICE.

Subscribers are advised that the present batch of MPCs is in
 two separate parts, MPC 21301-21462 and 21463-21624.

Contributors of perturbed orbital elements are advised that use of the
 Epoch 1993 Aug. 1.0 TT (rather than 1993 Jan. 13.0 TT) will become
 effective FOLLOWING the 1993 Mar. 8 batch of MPCs.

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ERRATA.

MPC	Line	
21157	25-26	The item should read: 0.25-m Schmidt and 0.5-m reflector + CCD. Observers J. B. Tatum and D. D. Balam.
21166	-25	Add C. Pollas, Observatoire de la Cote d'Azur, Avenue Copernic, F-06130 Grasse, France
21204	22 to 23	Delete these lines.
21204	-23	Add R. Bamberg (2, S)
21263	12	Add Id. S. Nakano, E. Goffin

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CORRECTED OBSERVATIONS.

The following observations correct those previously published.

Object	Date	UT	R. A. (2000)	Decl.	Reference	Mag.	N Obs.
1954 EO	1954 03	07.23957	09 27 46.63	+12 54 24.3	MPC 7758		760
1954 EO	1954 03	07.28681	09 27 44.46	+12 54 25.9	MPC 7758		760
1988 RX6	* 1988 09	08.29271	23 01 33.37	-09 46 35.6	MPC 14142		1 809
1988 RX6	1988 09	08.29896	23 01 33.01	-09 46 37.8	MPC 14142		1 809
1988 RX6	1988 09	08.30521	23 01 32.67	-09 46 40.0	MPC 14142		1 809
1988 RX6	1988 09	09.15035	23 00 45.73	-09 51 39.6	MPC 14142		1 809
1988 RX6	1988 09	09.15660	23 00 45.38	-09 51 41.6	MPC 14142		1 809
1988 RX6	1988 09	09.16285	23 00 45.05	-09 51 43.8	MPC 14142		1 809
1990 UR1	1992 05	08.18507	15 19 40.30	-21 05 11.0	MPC 20297	17.0	809
1990 UR1	1992 05	08.19548	15 19 39.58	-21 05 01.0	MPC 20297		2 809
1990 UR1	1992 05	08.20590	15 19 38.86	-21 04 51.1	MPC 20297		809
1990 UR1	1992 05	12.31805	15 14 45.78	-19 58 23.1	MPC 20297		2 809
1990 UR1	1992 05	12.32500	15 14 45.29	-19 58 15.9	MPC 20297		809
1990 UR1	1992 05	12.33194	15 14 44.80	-19 58 09.3	MPC 20297		809
1992 JJ1	* 1992 05	07.21077	15 05 28.44	-18 04 32.2	MPC 20303	16.5	2 809

1992 JJ1	1992 05 07.22118	15 05 27.93	-18 04 18.7	MPC 20303		809
1992 JJ1	1992 05 07.23160	15 05 27.39	-18 04 04.9	MPC 20303		809
1992 JJ1	1992 05 12.29513	15 01 08.62	-16 14 08.5	MPC 20303	2	809
1992 JJ1	1992 05 12.30208	15 01 08.29	-16 13 59.6	MPC 20303		809
1992 JJ1	1992 05 12.30902	15 01 07.95	-16 13 50.2	MPC 20303	2	809
1992 JK1 *	1992 05 07.21077	15 05 43.71	-17 17 04.9	MPC 20303	16.9 2	809
1992 JK1	1992 05 07.22118	15 05 43.21	-17 16 59.6	MPC 20303		809
1992 JK1	1992 05 07.23160	15 05 42.72	-17 16 54.5	MPC 20303		809
1992 JK1	1992 05 12.29513	15 01 41.34	-16 35 50.2	MPC 20303	2	809
1992 JK1	1992 05 12.30208	15 01 41.00	-16 35 46.8	MPC 20303		809
1992 JK1	1992 05 12.30902	15 01 40.67	-16 35 43.2	MPC 20303	2	809
1992 JL1 *	1992 05 08.18507	15 18 23.66	-20 14 32.5	MPC 20303	17.5	809
1992 JL1	1992 05 08.19548	15 18 23.07	-20 14 31.1	MPC 20303	2	809
1992 JL1	1992 05 08.20590	15 18 22.48	-20 14 29.7	MPC 20303		809
1992 JL1	1992 05 12.31805	15 14 33.32	-20 05 12.8	MPC 20303	2	809
1992 JL1	1992 05 12.32500	15 14 32.91	-20 05 11.8	MPC 20303		809
1992 JL1	1992 05 12.33194	15 14 32.51	-20 05 10.9	MPC 20303		809
1992 WD4	1992 11 27.50370	03 51 41.27	+16 21 14.3	MPC 21190	16.7	399
1992 WD4	1992 11 27.51806	03 51 40.36	+16 21 08.2	MPC 21190		399
(4179)	1989 01 24.81667	05 55 37.01	+23 05 05.6	MPC 14428		587
(4179)	1989 01 24.82906	05 55 39.78	+23 05 07.4	MPC 14428		587

Note 1: 1988 SP = 1988 RX6 (MPC 14477); these corrected observations were inadvertently published under the alternate designation on MPC 14897.
2: time corrected.

* * * * *

DELETED OBSERVATION.

The following observation is to be deleted.

Object	Date	UT	R. A. (2000)	Decl.	Reference	Obs.
1955 RN1	* 1955 09 13.18		21 07.3	-15 37	MPC 6482	760

* * * * *

IDENTIFICATION CHANGES.

Continuation to MPC 21156.

Object	Date	UT	R. A. (2000)	Decl.	Old desig.	Mag.	Obs.
1958 XD1	* 1958 12 05.64127		04 23 38.65	+17 48 36.0	1958 XJ		330
1978 NL8	* 1978 07 06.91513		17 59 17.10	-12 34 51.1	1978 LM	15.5	095
1982 UK12	* 1982 10 23.03336		04 01 09.93	+18 56 21.9	1982 UZ6	17.0	095
1983 CY8	* 1983 02 10.74931		06 52 01.00	+30 16 46.7	1983 CD6	17.0	095
1986 AD3	* 1986 01 12.38542		09 14 50.08	+59 39 32.8	1981 TK	18	675
1986 AD3	1986 01 12.46753		09 14 39.83	+59 39 47.0	1981 TK		675
1988 UY1	* 1988 10 17.80028		23 06 09.86	-07 48 22.6	1988 SB		071
1988 UY1	1988 10 17.83882		23 06 09.02	-07 48 28.4	1988 SB		071
1989 UC10	* 1989 10 23.52500		01 38 02.0	+07 32 31	1989 UH		881
1989 UC10	1989 10 23.53819		01 38 01.0	+07 32 28	1989 UH		881
1989 UD10	* 1989 10 30.80208		01 32 21.82	+07 05 32.2	1989 UM8		095
1989 UD10	1989 10 30.82293		01 32 20.91	+07 05 25.6	1989 UM8		095
1990 DR9	* 1990 02 16.55799		08 29 14.64	+15 01 18.6	1990 CA	17.0	402
1990 DR9	1990 02 16.57361		08 29 13.50	+15 01 17.9	1990 CA		402
1991 FK6	* 1991 03 27.33681		13 06 58.13	-02 22 34.4	1991 FE3		809
1991 FK6	1991 03 27.34930		13 06 57.73	-02 22 31.9	1991 FE3		809
1991 FK6	1991 03 27.36180		13 06 57.33	-02 22 29.6	1991 FE3		809
1991 RL31	* 1991 09 07.00972		20 27 35.04	-23 23 34.6	1991 RL11		809

1991 RL31	1991 09 07.02292	20 27 34.66	-23 23 35.6	1991 RL11	809
1991 RL31	1991 09 07.03611	20 27 34.07	-23 23 37.4	1991 RL11	809
1992 UM8 *	1992 10 26.52361	02 16 12.87	+17 06 30.4	1992 UF2 16.0	400
1992 UM8	1992 10 26.53750	02 16 12.05	+17 06 23.3	1992 UF2	400
1992 UN8 *	1992 10 26.52361	02 16 31.65	+17 09 42.1	1992 UK8 16.0	400
1992 UN8	1992 10 26.53750	02 16 30.96	+17 09 35.7	1992 UK8	400
1992 WG8 *	1992 11 18.52604	03 02 32.69	+16 12 52.5	1992 VH	376
1992 WG8	1992 11 18.53542	03 02 32.19	+16 12 49.1	1992 VH	376

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DOUBLE DESIGNATIONS.

The following double designation, by G. V. Williams, continues the list on MPC 20062:

1992 UF2 = 1992 UN8

* * * * *

ROMAN NUMERAL DESIGNATIONS OF COMETS IN 1991.

The following tabulation continues that on MPC 19357-19358:

Comet	T	Name	Year/letter	Ref.
1991 I	Jan. 5.6	P/Metcalf-Brewington	1991a	MPC 18597
1991 II	Feb. 22.7	P/Swift-Gehrels	1991c	MPC 17596
1991 III	Feb. 27.7	McNaught-Hughes	1990g	MPC 18255
1991 IV	Mar. 19.0	P/Mrkos	1991k	MPC 18256
1991 V	Apr. 4.8	P/Wolf-Harrington	1990e	IAUC 5033
1991 VI	Apr. 24.7	P/Van Biesbroeck	1989h1	IAUC 4936
1991 VII	May 17.7	P/Hartley 1	1991j	MPC 18081
1991 VIII	May 26.0	P/Arend	1991u	IAUC 5342
1991 IX	June 16.1	P/McNaught-Hughes	1991y	MPC 20774
1991 X	July 6.9	P/Harrington-Abell	1990m	IAUC 5129
1991 XI	July 8.2	P/Levy	1991q	MPC 20308
1991 XII	July 22.0	P/Machholz		MPC 18598
1991 XIII	Aug. 17.9	P/Takamizawa	1991h	MPC 20774
1991 XIV	Aug. 30.6	P/Tsuchinshan 1	1991c1	IAUC 5383
1991 XV	Sept. 11.7	P/Hartley 2	1991t	MPC 18598
1991 XVI	Sept. 20.6	P/Wirtanen	1991s	IAUC 5303
1991 XVII	Oct. 2.7	P/Arend-Rigaux		MPC 13040
1991 XVIII	Oct. 13.9	P/Shoemaker-Levy 6	1991b1	MPC 20774
1991 XIX	Oct. 27.5	P/Shoemaker-Levy 7	1991d1	MPC 20774
1991 XX	Nov. 4.4	P/Kowal 2	1991f1	MPC 19467
1991 XXI	Nov. 16.2	P/Faye	1991n	IAUC 5246
1991 XXII	Dec. 13.2	P/Shoemaker-Levy 5	1991z	MPC 20774
1991 XXIII	Dec. 18.2	P/Shoemaker 1	1991p	MPC 18598
1991 XXIV	Dec. 31.2	Shoemaker-Levy	1991d	MPC 20602

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OBSERVATIONS OF COMETS.

Observations are published here for the following observatory codes:

- 012 Uccle. 0.4-m f/5 double astrograph. Observer T. Pauwels.
- 033 Tautenburg. 1.3-m Schmidt. Observer F. Borngen.
- 046 Klet. 0.63-m Maksutov reflector and 0.57-m reflector. Observers Z.

- Moravec, J. Ticha, M. Tichy and Z. Vavrova.
073 Bucharest. 0.38-m f/16 astrograph. Observer G. Bocsa.
104 San Marcello Pistoiese. 0.40-m reflector. Observers L. Tesi and P. Gigli. Measured by L. Tesi. Reductions by G. Cattani.
107 Cavezzo. 0.40-m f/2.23 reflector + CCD. Observers R. Calanca, F. Calzolari, M. Facchini, S. Gavioli, E. Morselli, M. Nicolini and G. L. Tusini.
108 Montelupo. 0.20-m f/10 reflector + CCD. Observer M. Tombelli. Measured by S. Bortolini.
369 Chichibu, Saitama. 0.10-m f/4 refractor. Observer S. Horiguchi. Measured by T. Kojima.
372 Geisei. 0.60-m f/3.5 reflector. Observer T. Seki.
385 Nihondaira Observatory Oohira Station. 0.25-m f/3.4 hyperboloid camera. Observer T. Urata.
402 Dynic Astronomical Observatory. 0.25-m f/3.4 Schmidt. Observer A. Sugie.
410 Sengamine. 0.20-m f/4.8 reflector + CCD. Observer K. Ito.
411 Oizumi. 0.16-m f/6.3 reflector + CCD. Observer T. Kobayashi.
413 Siding Spring. 0.50-m Uppsala Schmidt and 1.0-m reflector + CCD. Observer R. H. McNaught.
494 Stakenbridge. Observer B. Manning.
557 Ondrejov. 0.18-m f/5.6 Maksutov + CCD. Observer P. Pravec.
568 Mauna Kea. 2.2-m reflector + CCD. Observer K. J. Meech.
587 Sormano. 0.21-m f/4.9 astrograph. Observers M. Cavagna, E. Colzani, E. Galliani and G. Ventre.
589 Santa Lucia Stroncone. 0.50-m f/2.8 Ritchey-Chretien + CCD. Observers A. Vagnozzi, V. Risoldi and G. Bernabei.
595 Farra d'Isonzo. 0.4-m f/4.5 reflector. Observers W. Boschin and F. Damonte. Measured by G. Lombardi and E. Pettarin.
596 Colleverde di Guidonia. 0.31-m f/2.8 Baker-Schmidt + CCD. Observer V. S. Casulli.
657 Climenhaga Observatory, Victoria. 0.25-m Schmidt telescope and 0.5-m reflector + CCD. Observers D. D. Balam, J. B. Tatum and R. M. Robb.
658 Dominion Astrophysical Observatory. 1.85-m reflector + CCD. Observers J. B. Tatum, D. D. Balam and G. C. L. Aikman. Measurers D. D. Balam and G. C. L. Aikman.
670 Camarillo. 0.25-m Schmidt-Cassegrain + CCD. Observer J. E. Rogers.
675 Palomar. 1.2-m and 0.46-m Schmidts. Observers R. Bamberg, E. Helin, K. Lawrence, D. H. Levy, J. Mueller, E. M. Shoemaker and C. S. Shoemaker. Measured by K. Lawrence, J. Mueller and C. S. Shoemaker.
691 Kitt Peak. 0.91-m Spacewatch telescope. Observer J. V. Scotti.
693 Lunar and Planetary Laboratory, Catalina Station. 0.4-m f/3 Schmidt. Observers T. Spahr and C. Hergenrother.
786 U.S. Naval Observatory, Washington. 0.61-m reflector + CCD. Observer J. A. DeYoung.
801 Oak Ridge. 1.5-m reflector + CCD. Observers R. E. McCrosky and C.-Y. Shao.
863 Furukawa, Gifu. Observer N. Ohshita. Measured by G. Sasaki. Long. and Parallax 137.18, 0.807, +0.588 (see MPC 19348).
870 Campinas. Observers F. Vieira, R. V. Nader, J. A. S. Campos, J. A. Buarque, G. Vieira, E. R. Netto, L. I. Arany-Prado and J. A. Vieira. Measured by G. Vieira, E. R. Netto and A. Cherman.
894 Otomo. 0.25-m f/3.4 reflector. Observer S. Otomo.
896 Yatsugatake South Base Observatory. 0.25-m f/3.4 reflector. Observer Y. Kushida. Measured by Y. Kushida.
897 YGCO Chiyoda Station. 0.25-m f/3.4 Wright-Schmidt and 0.20-m f/9 refractor. Observer T. Kojima.
900 Kiryuu Observatory, Ohtsu. 0.26-m f/2.9 reflector + CCD. Observer Y. Ikari.

Object	Date	UT	R. A. (2000)	Decl.	Mag.	N	Obs.
Comet Shoemaker (1985 XII)							
/1985 XII	1992 01	04.36711	02 31 44.52	+23 08 37.5	22.1 T		568
/1985 XII	1992 01	05.28140	02 31 37.16	+23 08 03.6			568
Periodic Comet Halley							
/1986 III	1986 03	31.30409	18 32 45.40	-37 46 36.2			870
/1986 III	1986 04	13.16129	14 03 59.09	-45 09 15.1			870
/1986 III	1986 04	29.96684	11 00 42.34	-19 31 27.5			870
/1986 III	1986 04	30.95295	10 57 17.31	-18 37 17.6			870
/1986 III	1986 05	01.98212	10 54 03.46	-17 44 35.4			870
/1986 III	1986 05	03.03698	10 51 04.32	-16 54 23.6			870
/1986 III	1986 05	04.06337	10 48 26.87	-16 08 58.1			870
/1986 III	1986 05	04.98004	10 46 19.13	-15 31 02.0			870
/1986 III	1986 05	06.01557	10 44 07.29	-14 50 53.4			870
/1986 III	1986 05	09.98142	10 37 27.65	-12 40 19.6			870
/1986 III	1986 05	12.00434	10 34 54.96	-11 45 31.4			870
/1986 III	1986 05	14.89618	10 32 03.66	-10 38 17.7			870
/1986 III	1986 05	15.90243	10 31 15.00	-10 17 29.6			870
/1986 III	1986 05	29.93507	10 26 23.94	-07 06 04.3			870
/1986 III	1986 05	31.97569	10 26 23.67	-06 49 07.1			870
/1986 III	1986 06	04.92083	10 26 42.95	-06 21 34.7			870
Comet Shoemaker (1986 XIV)							
/1986 XIV	1992 01	04.52255	11 14 23.07	+52 45 06.1	21.8 T		568
Periodic Comet Schwassmann-Wachmann 1							
/1989 XV	1992 12	04.76073	05 39 05.61	+31 52 20.8			411
/1989 XV	1992 12	04.76373	05 39 05.60	+31 52 20.3			411
/1989 XV	1992 12	04.76848	05 39 05.57	+31 52 20.8			411
/1989 XV	1992 12	22.46293	05 29 16.18	+31 38 27.1			411
/1989 XV	1992 12	22.46520	05 29 15.99	+31 38 28.2			411
Periodic Comet Van Biesbroeck							
/1991 VI	1992 12	02.20034	01 51 53.84	+03 45 21.1	18.5 T	1	691
/1991 VI	1992 12	02.20800	01 51 53.62	+03 45 21.0	18.5 T		691
/1991 VI	1992 12	02.22305	01 51 53.35	+03 45 20.1	18.3 T		691
Periodic Comet Faye							
/1991 XXI	1992 12	02.49707	11 50 44.91	-04 26 15.4	20.8 T	2	691
/1991 XXI	1992 12	02.50447	11 50 45.02	-04 26 16.9	20.1 T		691
/1991 XXI	1992 12	02.51221	11 50 45.43	-04 26 19.7	20.5 T		691
Periodic Comet Shoemaker 1							
/1991 XXIII	1992 12	02.31094	08 32 19.66	+48 32 52.0	21.8 T		691
/1991 XXIII	1992 12	02.32605	08 32 19.25	+48 32 55.4	22.2 T		691
/1991 XXIII	1992 12	02.33690	08 32 18.93	+48 32 58.4			691
Periodic Comet Chernykh							
/1991o	1992 12	02.34862	08 44 05.53	+16 23 39.3			691
/1991o	1992 12	02.39366	08 44 05.29	+16 23 42.3	18.7 T	3	691
/1991o	1992 12	02.43378	08 44 05.01	+16 23 44.8	21.4 N		691
Periodic Comet Giclas							
/19921	1992 11	23.48131	04 12 34.19	+09 38 37.2	15.5 T		897
/19921	1992 11	23.50376	04 12 33.15	+09 38 41.5			897
/19921	1992 11	26.64068	04 10 14.41	+09 49 21.6			411
/19921	1992 11	26.64358	04 10 14.28	+09 49 22.6			411

/1992l	1992 11	26.64652	04 10	14.16	+09	49	23.3			411
/1992l	1992 11	30.90594	04 07	11.95	+10	06	16.1			589
/1992l	1992 11	30.91403	04 07	11.56	+10	06	17.6			589
/1992l	1992 12	04.74742	04 04	37.35	+10	23	44.7			411
/1992l	1992 12	04.75036	04 04	37.33	+10	23	43.8			411
/1992l	1992 12	04.75417	04 04	37.13	+10	23	45.9			411
/1992l	1992 12	19.46638	03 57	33.28	+11	47	42.1			411
/1992l	1992 12	19.47816	03 57	33.06	+11	47	44.6			411
/1992l	1992 12	19.48433	03 57	32.91	+11	47	48.5			411
/1992l	1992 12	21.15291	03 57	05.82	+11	58	44.1			801
/1992l	1992 12	21.17191	03 57	05.49	+11	58	51.8			801
/1992l	1992 12	22.42708	03 56	49.46	+12	07	07.1	16	T	897
/1992l	1992 12	22.44340	03 56	48.61	+12	07	21.5			411
/1992l	1992 12	22.44635	03 56	48.62	+12	07	22.4			411
/1992l	1992 12	22.44942	03 56	48.70	+12	07	23.8			411
/1992l	1992 12	22.46215	03 56	48.69	+12	07	31.6			897
/1992l	1992 12	23.13512	03 56	40.34	+12	12	01.6			801
/1992l	1992 12	26.79187	03 56	12.34	+12	37	17.3			107
/1992l	1992 12	26.83817	03 56	12.12	+12	37	34.9			107
/1992l	1992 12	27.74274	03 56	09.14	+12	43	59.1			107
/1992l	1992 12	28.79604	03 56	07.34	+12	51	29.9			107
/1992l	1992 12	28.80787	03 56	07.36	+12	51	35.4			107
/1992l	1992 12	29.84361	03 56	07.69	+12	59	02.1			107
/1992l	1993 01	01.27460	03 56	16.23	+13	16	41.9	19.1	N	4 691
/1992l	1993 01	01.28229	03 56	16.25	+13	16	45.1	15.3	T	691
/1992l	1993 01	01.29032	03 56	16.30	+13	16	48.5	15.3	T	691
/1992l	1993 01	12.45153	03 59	16.77	+14	40	28.5			411
/1992l	1993 01	12.45939	03 59	16.89	+14	40	30.7			411
/1992l	1993 01	12.46332	03 59	16.88	+14	40	32.2			411

Periodic Comet Wolf

/1992m	1992 12	02.17478	01 07	31.97	-00	32	09.8	19.2	T	691
/1992m	1992 12	02.18284	01 07	32.16	-00	32	13.1	18.9	T	691
/1992m	1992 12	02.19193	01 07	32.34	-00	32	16.7	19.0	T	691

Periodic Comet Schuster

/1992n	1992 09	29.07153	06 46	24.56	+27	23	21.4			5 033
/1992n	1992 09	29.08542	06 46	26.18	+27	23	33.6			033
/1992n	1992 11	02.07917	08 07	15.94	+35	47	03.8			033
/1992n	1992 11	02.08750	08 07	16.95	+35	47	12.0			033
/1992n	1992 11	02.12500	08 07	21.17	+35	47	47.1			033
/1992n	1992 11	02.13333	08 07	22.20	+35	47	54.4			033
/1992n	1992 12	18.95590	08 51	22.12	+49	21	03.4	16.0	T	596
/1992n	1992 12	18.96726	08 51	21.46	+49	21	17.7			596

Periodic Comet Daniel

/1992o	1992 12	02.44463	11 22	04.15	+26	25	21.7	20.7	N	6 691
/1992o	1992 12	02.45314	11 22	05.08	+26	25	23.4	16.6	T	691
/1992o	1992 12	02.46136	11 22	06.00	+26	25	24.9	16.7	T	691

Periodic Comet Brewington

/1992p	1992 11	28.46688	09 43	33.63	+32	33	51.6	20.1	N	691
/1992p	1992 11	28.47786	09 43	33.81	+32	33	52.3	16.1	T	691
/1992p	1992 11	28.49143	09 43	34.05	+32	33	52.7			691
/1992p	1992 12	03.57778	09 44	26.51	+32	39	09.4			658
/1992p	1992 12	03.58230	09 44	26.53	+32	39	10.1			658
/1992p	1992 12	03.58750	09 44	26.55	+32	39	10.2			658
/1992p	1992 12	04.78009	09 44	30.75	+32	40	51.4			411
/1992p	1992 12	04.78884	09 44	30.80	+32	40	52.3			411

/1992p	1992 12 21.34352	09 40 06.14	+33 16 09.4	801
/1992p	1992 12 21.37079	09 40 05.15	+33 16 13.7	801
/1992p	1992 12 25.36977	09 37 32.50	+33 26 43.2	801
/1992p	1992 12 25.38795	09 37 31.67	+33 26 46.9	801
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Periodic Comet Swift-Tuttle

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/1992t	1992 11 06.74965	17 15 31.47	+36 03 39.7	104
/1992t	1992 11 06.80878	17 15 53.22	+35 58 46.9	7 046
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/1992t	1992 12 16.07195	19 39 04.00	-09 56 07.7	670
/1992t	1992 12 16.08371	19 39 05.38	-09 56 44.0	670
/1992t	1992 12 16.09407	19 39 06.76	-09 57 10.7	670
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Periodic Comet Vaisala 1

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Periodic Comet Schaumasse

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/1992x	1992 12 04.73985	04 11 17.62	+14 53 40.8		411
/1992x	1992 12 04.74277	04 11 17.41	+14 53 43.0		411
/1992x	1992 12 06.85894	04 08 25.40	+15 16 22.2		107

/1992x	1992 12 06.87543	04 08 24.00	+15 16 32.3		107
/1992x	1992 12 09.10578	04 05 18.36	+15 42 09.8		786
/1992x	1992 12 15.80916	03 55 56.15	+17 09 04.0		046
/1992x	1992 12 15.82374	03 55 54.70	+17 09 15.0		046
/1992x	1992 12 18.91736	03 51 41.76	+17 54 32.5		595
/1992x	1992 12 18.93403	03 51 40.21	+17 54 46.8		595
/1992x	1992 12 19.42263	03 51 02.09	+18 02 15.4		411
/1992x	1992 12 19.44890	03 50 59.87	+18 02 39.4		411
/1992x	1992 12 19.46235	03 50 58.76	+18 02 52.1		411
/1992x	1992 12 20.88008	03 49 07.49	+18 24 48.7	15.0 N	494
/1992x	1992 12 21.12829	03 48 48.13	+18 28 46.3		801
/1992x	1992 12 21.14039	03 48 47.14	+18 28 57.8		801
/1992x	1992 12 22.45269	03 47 08.18	+18 50 02.2		411
/1992x	1992 12 22.45718	03 47 07.82	+18 50 06.7		411
/1992x	1992 12 22.45935	03 47 07.64	+18 50 09.0		411
/1992x	1992 12 23.87292	03 45 23.58	+19 13 23.6		595
/1992x	1992 12 23.88750	03 45 22.59	+19 13 40.6		595
/1992x	1992 12 24.98183	03 44 04.88	+19 32 03.1		107
/1992x	1992 12 25.92932	03 43 00.15	+19 48 22.6		046
/1992x	1992 12 25.94222	03 42 59.22	+19 48 36.5		046
/1992x	1992 12 26.41821	03 42 28.44	+19 56 53.7		411
/1992x	1992 12 26.42390	03 42 28.01	+19 56 59.5		411
/1992x	1992 12 26.44774	03 42 26.30	+19 57 24.4		411
/1992x	1992 12 26.74668	03 42 06.89	+20 02 35.0		046
/1992x	1992 12 26.75831	03 42 06.00	+20 02 46.1		046
/1992x	1992 12 26.77181	03 42 05.23	+20 03 01.6		107
/1992x	1992 12 27.01199	03 41 49.55	+20 07 19.2		786
/1992x	1992 12 27.01369	03 41 49.42	+20 07 21.2		786
/1992x	1992 12 27.01539	03 41 49.33	+20 07 22.9		786
/1992x	1992 12 27.01709	03 41 49.19	+20 07 24.7		786
/1992x	1992 12 27.01880	03 41 49.07	+20 07 26.6		786
/1992x	1992 12 27.02050	03 41 48.96	+20 07 28.1		786
/1992x	1992 12 27.02220	03 41 48.84	+20 07 30.2		786
/1992x	1992 12 27.03108	03 41 48.30	+20 07 39.1		786
/1992x	1992 12 27.12920	03 41 41.44	+20 09 21.4		801
/1992x	1992 12 27.14247	03 41 40.51	+20 09 35.2		801
/1992x	1992 12 27.71641	03 41 05.16	+20 19 43.8		107
/1992x	1992 12 28.82731	03 39 56.50	+20 39 45.5		107
/1992x	1992 12 29.88632	03 38 54.69	+20 59 06.4		107
/1992x	1992 12 29.92064	03 38 52.36	+20 59 46.7		046
/1992x	1992 12 29.93076	03 38 51.90	+20 59 53.1		046
/1992x	1992 12 31.47677	03 37 28.46	+21 29 10.8		413
/1992x	1992 12 31.54442	03 37 24.76	+21 30 10.0		411
/1992x	1992 12 31.54808	03 37 24.57	+21 30 14.1		411
/1992x	1992 12 31.54986	03 37 24.46	+21 30 16.3		411
/1992x	1993 01 01.30006	03 36 46.32	+21 44 32.3	14.1 T A	691
/1992x	1993 01 01.30847	03 36 45.88	+21 44 41.7	17.7 N	691
/1992x	1993 01 01.31690	03 36 45.43	+21 44 51.2	13.8 T	691
/1992x	1993 01 02.06983	03 36 10.38	+21 59 20.1		786
/1992x	1993 01 02.07084	03 36 10.33	+21 59 21.4		786
/1992x	1993 01 02.07186	03 36 10.29	+21 59 22.5		786
/1992x	1993 01 02.07287	03 36 10.22	+21 59 23.7		786
/1992x	1993 01 02.07389	03 36 10.13	+21 59 24.8		786
/1992x	1993 01 02.07490	03 36 10.08	+21 59 26.0		786
/1992x	1993 01 02.07590	03 36 10.02	+21 59 27.3		786
/1992x	1993 01 02.07691	03 36 09.98	+21 59 28.3		786
/1992x	1993 01 02.07793	03 36 09.92	+21 59 29.4		786
/1992x	1993 01 02.07927	03 36 09.79	+21 59 31.3		786
/1992x	1993 01 02.08028	03 36 09.73	+21 59 32.4		786

/1992x	1993 01 02.08128	03 36 09.67	+21 59 33.5	786
/1992x	1993 01 02.08229	03 36 09.63	+21 59 34.6	786
/1992x	1993 01 02.08331	03 36 09.58	+21 59 35.9	786
/1992x	1993 01 02.08432	03 36 09.51	+21 59 37.0	786
/1992x	1993 01 02.08532	03 36 09.48	+21 59 38.2	786
/1992x	1993 01 02.08633	03 36 09.46	+21 59 38.4	786
/1992x	1993 01 02.08734	03 36 09.40	+21 59 39.6	786
/1992x	1993 01 02.08837	03 36 09.34	+21 59 40.8	786
/1992x	1993 01 12.43991	03 31 27.08	+25 33 13.9	411
/1992x	1993 01 12.44285	03 31 27.00	+25 33 18.2	411
/1992x	1993 01 12.44537	03 31 26.98	+25 33 21.0	411

Comet Shoemaker (1992y)

/1992y	1992 11 18.83056	03 40 40.08	+33 59 40.9	104
/1992y	1992 11 18.84410	03 40 38.08	+34 00 03.1	104
/1992y	1992 11 20.88056	03 35 56.98	+34 39 44.6	104
/1992y	1992 11 20.89236	03 35 54.41	+34 40 04.9	104
/1992y	1992 11 23.42309	03 29 56.16	+35 28 20.9	14.5 T 897
/1992y	1992 11 23.47014	03 29 49.04	+35 29 09.7	897
/1992y	1992 11 23.93403	03 28 41.86	+35 37 50.9	595
/1992y	1992 11 24.83819	03 26 30.50	+35 54 39.6	046
/1992y	1992 11 24.85243	03 26 29.06	+35 54 48.1	046
/1992y	1992 11 25.32013	03 25 20.53	+36 03 24.8	14 T 675
/1992y	1992 11 26.29184	03 22 58.11	+36 21 01.5	675
/1992y	1992 11 26.45440	03 22 34.48	+36 23 56.6	14.5 T 897
/1992y	1992 11 26.62378	03 22 09.11	+36 26 58.7	411
/1992y	1992 11 26.63291	03 22 07.68	+36 27 08.8	411
/1992y	1992 11 26.65064	03 22 05.02	+36 27 27.5	411
/1992y	1992 11 27.43715	03 20 09.11	+36 41 24.8	15 T 372
/1992y	1992 11 27.44271	03 20 08.47	+36 41 31.3	372
/1992y	1992 11 27.83958	03 19 09.66	+36 48 29.3	595
/1992y	1992 11 27.87917	03 19 03.56	+36 49 10.5	595
/1992y	1992 11 30.30850	03 13 00.90	+37 30 48.5	675
/1992y	1992 11 30.92431	03 11 29.22	+37 41 03.9	104
/1992y	1992 11 30.93819	03 11 26.64	+37 41 16.2	104
/1992y	1992 12 01.28611	03 10 34.51	+37 47 01.2	675
/1992y	1992 12 01.32987	03 10 27.77	+37 47 44.3	658
/1992y	1992 12 01.33681	03 10 26.70	+37 47 50.9	658
/1992y	1992 12 01.33993	03 10 26.23	+37 47 54.1	658
/1992y	1992 12 03.74340	03 04 25.54	+38 26 19.7	15 T 372
/1992y	1992 12 03.74826	03 04 24.57	+38 26 21.9	372
/1992y	1992 12 04.72133	03 01 58.92	+38 41 23.4	411
/1992y	1992 12 04.72764	03 01 58.02	+38 41 28.2	411
/1992y	1992 12 04.73102	03 01 57.58	+38 41 31.9	411
/1992y	1992 12 06.77205	02 56 53.94	+39 11 52.5	107
/1992y	1992 12 06.82605	02 56 45.79	+39 12 41.3	107
/1992y	1992 12 12.40650	02 43 11.97	+40 28 12.0	411
/1992y	1992 12 12.75762	02 42 22.14	+40 32 33.6	107
/1992y	1992 12 15.76037	02 35 24.15	+41 08 28.9	B 046
/1992y	1992 12 15.77611	02 35 22.02	+41 08 39.7	B 046
/1992y	1992 12 15.79346	02 35 19.11	+41 08 53.6	14.5 T C 557
/1992y	1992 12 15.79722	02 35 18.65	+41 08 55.0	14.5 T C 557
/1992y	1992 12 15.79888	02 35 18.59	+41 08 57.8	557
/1992y	1992 12 15.96128	02 34 56.09	+41 10 48.9	557
/1992y	1992 12 15.96426	02 34 55.39	+41 10 48.7	557
/1992y	1992 12 15.97046	02 34 54.79	+41 10 51.7	557
/1992y	1992 12 15.97259	02 34 54.59	+41 10 52.1	557
/1992y	1992 12 16.58552	02 33 31.28	+41 17 55.8	900
/1992y	1992 12 16.59568	02 33 29.92	+41 18 01.3	900

/1992y	1992 12 19.40168	02 27 19.87	+41 48 23.4				411
/1992y	1992 12 19.40882	02 27 19.13	+41 48 27.3				411
/1992y	1992 12 19.41175	02 27 18.72	+41 48 29.2				411
/1992y	1992 12 21.04579	02 23 51.31	+42 05 09.1				801
/1992y	1992 12 21.06024	02 23 49.49	+42 05 17.8				801
/1992y	1992 12 22.42624	02 21 01.42	+42 18 42.7				411
/1992y	1992 12 22.43234	02 21 00.58	+42 18 47.0				411
/1992y	1992 12 22.44774	02 20 58.53	+42 18 59.9	15.5	T		897
/1992y	1992 12 22.47020	02 20 56.17	+42 19 09.1				897
/1992y	1992 12 23.01771	02 19 50.00	+42 24 22.1				801
/1992y	1992 12 23.02353	02 19 49.39	+42 24 25.5				801
/1992y	1992 12 25.89616	02 14 16.21	+42 50 50.0				046
/1992y	1992 12 25.90906	02 14 15.29	+42 50 53.2				046
/1992y	1992 12 26.40398	02 13 20.06	+42 55 20.3				411
/1992y	1992 12 26.40993	02 13 19.57	+42 55 22.5				411
/1992y	1992 12 26.41285	02 13 19.18	+42 55 24.1				411
/1992y	1992 12 27.73019	02 10 56.08	+43 06 45.3				107
/1992y	1992 12 28.77555	02 09 06.37	+43 15 41.8				107
/1992y	1992 12 29.38877	02 08 03.33	+43 20 49.9	16	T	D	897
/1992y	1992 12 29.41186	02 08 00.88	+43 21 02.1				411
/1992y	1992 12 29.42010	02 07 59.98	+43 21 06.7				411
/1992y	1992 12 29.42355	02 07 59.31	+43 21 07.7			D	897
/1992y	1992 12 29.81146	02 07 20.75	+43 24 15.8				107
/1992y	1992 12 30.44375	02 06 17.35	+43 29 31.3				411
/1992y	1992 12 30.45419	02 06 16.21	+43 29 37.0				411
/1992y	1992 12 31.66979	02 04 18.50	+43 39 21.2	16.5	T		372

Periodic Comet Kojima

/1992z	1992 10 21.40510	02 30 07.03	+13 41 28.8	22.1	T		691
/1992z	1992 10 21.41361	02 30 06.67	+13 41 27.3	21.5	T		691
/1992z	1992 10 21.42554	02 30 06.24	+13 41 26.0	22.4	T		691
/1992z	1992 12 01.12069	02 03 21.13	+11 24 30.8	20.7	T	E	691
/1992z	1992 12 01.13420	02 03 20.78	+11 24 28.8	22.6	T	E	691
/1992z	1992 12 01.14581	02 03 20.47	+11 24 26.3	21.7	T	E	691
/1992z	1992 12 01.15768	02 03 20.00	+11 24 25.6	21.0	T	E	691

Comet Ohshita (1992a1)

/1992a 1	1992 11 21.82049	13 01 47.7	-09 00 21	12	T	F	369
/1992a 1	1992 11 21.82616	13 01 48.6	-09 00 00			F	369
/1992a 1	1992 11 28.84063	13 10 58.9	-00 56 50	11	T		863
/1992a 1	1992 11 29.82986	13 12 32.0	+00 18 44	11	T		863
/1992a 1	1992 12 03.83194	13 19 26.66	+05 45 40.3	11.4	T		372
/1992a 1	1992 12 03.85313	13 19 29.13	+05 47 30.7				372
/1992a 1	1992 12 03.85885	13 19 29.60	+05 48 00.0				372
/1992a 1	1992 12 04.76771	13 21 13.60	+07 07 21.8	12	T		402
/1992a 1	1992 12 04.77951	13 21 14.52	+07 08 20.4				402
/1992a 1	1992 12 04.78935	13 21 15.79	+07 09 15.0				402
/1992a 1	1992 12 04.79971	13 21 16.98	+07 10 10.8				402
/1992a 1	1992 12 04.80139	13 21 17.41	+07 10 21.5	11	T		896
/1992a 1	1992 12 04.81079	13 21 18.32	+07 11 10.2				900
/1992a 1	1992 12 04.81691	13 21 19.16	+07 11 43.6				900
/1992a 1	1992 12 04.81713	13 21 19.00	+07 11 42.6	11.5	T		897
/1992a 1	1992 12 04.81875	13 21 19.26	+07 11 52.4	11	T		896
/1992a 1	1992 12 04.82185	13 21 19.65	+07 12 09.5				900
/1992a 1	1992 12 04.83362	13 21 20.95	+07 13 11.9				900
/1992a 1	1992 12 04.83654	13 21 21.30	+07 13 27.0				900
/1992a 1	1992 12 04.84052	13 21 21.72	+07 13 48.0				900
/1992a 1	1992 12 04.84126	13 21 21.89	+07 13 50.3				897
/1992a 1	1992 12 04.84705	13 21 22.41	+07 14 25.8				897

/1992a 1	1992 12 04.85214	13 21 22.98	+07 14 50.4			897
/1992a 1	1992 12 04.85990	13 21 23.95	+07 15 30.7			900
/1992a 1	1992 12 04.86207	13 21 24.16	+07 15 44.1			900
/1992a 1	1992 12 05.51372	13 22 41.08	+08 13 55.4			657
/1992a 1	1992 12 05.54410	13 22 44.58	+08 16 40.7			657
/1992a 1	1992 12 05.78764	13 23 14.11	+08 38 44.8			411
/1992a 1	1992 12 05.80748	13 23 16.35	+08 40 34.5			411
/1992a 1	1992 12 05.81748	13 23 17.65	+08 41 31.0			385
/1992a 1	1992 12 05.81903	13 23 17.79	+08 41 36.0			411
/1992a 1	1992 12 08.78109	13 29 36.11	+13 21 34.6			411
/1992a 1	1992 12 08.78547	13 29 36.69	+13 22 00.1			411
/1992a 1	1992 12 08.82616	13 29 42.14	+13 26 00.7			411
/1992a 1	1992 12 08.83646	13 29 43.46	+13 27 01.1	13	T	894
/1992a 1	1992 12 08.84063	13 29 44.05	+13 27 23.7			894
/1992a 1	1992 12 08.84917	13 29 45.24	+13 28 17.3	13.2	T	410
/1992a 1	1992 12 08.85421	13 29 46.00	+13 28 48.0			410
/1992a 1	1992 12 08.85598	13 29 46.16	+13 28 55.1			410
/1992a 1	1992 12 11.78808	13 36 46.23	+18 27 34.9			900
/1992a 1	1992 12 11.81618	13 36 50.56	+18 30 31.8			411
/1992a 1	1992 12 11.82381	13 36 51.72	+18 31 20.5			411
/1992a 1	1992 12 11.82558	13 36 51.96	+18 31 31.9			411
/1992a 1	1992 12 19.50420	13 59 37.23	+32 59 05.8			670
/1992a 1	1992 12 19.51416	13 59 39.33	+33 00 16.3			670
/1992a 1	1992 12 19.52137	13 59 40.88	+33 01 07.8			670
/1992a 1	1992 12 19.52832	13 59 42.19	+33 01 56.2			670
/1992a 1	1992 12 19.53532	13 59 43.51	+33 02 46.0			670
/1992a 1	1992 12 19.54220	13 59 45.13	+33 03 35.2			670
/1992a 1	1992 12 20.47600	14 03 04.08	+34 54 52.2			670
/1992a 1	1992 12 20.48666	14 03 06.21	+34 56 07.5			670
/1992a 1	1992 12 20.49371	14 03 07.69	+34 57 00.8			670
/1992a 1	1992 12 20.51806	14 03 12.89	+34 59 52.1			670
/1992a 1	1992 12 20.54222	14 03 18.24	+35 02 48.1			670
/1992a 1	1992 12 21.38025	14 06 24.64	+36 43 11.3			801
/1992a 1	1992 12 21.38205	14 06 25.06	+36 43 24.1			801
/1992a 1	1992 12 21.44720	14 06 39.67	+36 51 15.0			801
/1992a 1	1992 12 21.45208	14 06 40.76	+36 51 50.4			801
/1992a 1	1992 12 25.12508	14 21 55.44	+44 12 15.2			107
/1992a 1	1992 12 25.45258	14 23 25.07	+44 51 16.9			801
/1992a 1	1992 12 25.45405	14 23 25.48	+44 51 27.1			801
/1992a 1	1992 12 27.14500	14 31 35.93	+48 10 28.1			107
/1992a 1	1992 12 29.06917	14 41 53.08	+51 51 24.2			107
/1992a 1	1992 12 29.09890	14 42 02.88	+51 54 46.5			107
/1992a 1	1992 12 29.76745	14 45 54.87	+53 09 44.1			900
/1992a 1	1992 12 29.77863	14 45 58.66	+53 10 58.5			900
/1992a 1	1992 12 29.82257	14 46 14.20	+53 15 52.1	15	T	372
/1992a 1	1992 12 31.83715	14 58 53.23	+56 54 27.8	15	T	372
/1992a 1	1992 12 31.84688	14 58 57.04	+56 55 31.5			372
/1992a 1	1993 01 01.10434	15 00 41.58	+57 22 34.5			596
/1992a 1	1993 01 01.12375	15 00 49.46	+57 24 34.7			596
/1992a 1	1993 01 01.12827	15 00 51.33	+57 25 00.1			596
/1992a 1	1993 01 01.13216	15 00 52.77	+57 25 26.0			596
/1992a 1	1993 01 01.14876	15 00 59.26	+57 27 14.3			596
/1992a 1	1993 01 01.80521	15 05 33.61	+58 35 15.6	13.3	T	410
/1992a 1	1993 01 01.80868	15 05 35.05	+58 35 38.5			410
/1992a 1	1993 01 01.81215	15 05 36.40	+58 35 59.6			410
/1992a 1	1993 01 02.78037	15 12 43.13	+60 13 42.0			900
/1992a 1	1993 01 02.79114	15 12 48.14	+60 14 47.3			900
/1992a 1	1993 01 02.87270	15 13 25.35	+60 22 53.7	15	T G	372

Comet Mueller (1993a)

/1993a	1992 11 26.45093	10 06 49.00	+38 25 36.2	16.0 T	F	693
/1993a	1993 01 02.43090	09 46 43.66	+47 02 43.7	13.5 T	H	675
/1993a	1993 01 03.53750	09 45 27.49	+47 20 33.0		H	675
/1993a	1993 01 05.49317	09 43 05.65	+47 51 57.4	15 T		897
/1993a	1993 01 05.52089	09 43 03.80	+47 52 23.0			897
/1993a	1993 01 05.52830	09 43 03.03	+47 52 30.0			897
/1993a	1993 01 05.73438	09 42 47.47	+47 55 49.6			402
/1993a	1993 01 05.74965	09 42 46.33	+47 56 05.6			402
/1993a	1993 01 05.76615	09 42 45.05	+47 56 17.9			402
/1993a	1993 01 05.77222	09 42 44.64	+47 56 26.8	14.5 T		385
/1993a	1993 01 05.77708	09 42 44.27	+47 56 30.1			385
/1993a	1993 01 05.94084	09 42 31.96	+47 59 04.4			557
/1993a	1993 01 05.95243	09 42 31.06	+47 59 17.2			557
/1993a	1993 01 05.95493	09 42 31.07	+47 59 23.6			557
/1993a	1993 01 05.97505	09 42 29.69	+47 59 41.3			557
/1993a	1993 01 05.98145	09 42 28.68	+47 59 48.8			557
/1993a	1993 01 05.98392	09 42 28.72	+47 59 51.4			557
/1993a	1993 01 06.00059	09 42 27.50	+48 00 05.3			557
/1993a	1993 01 06.00307	09 42 27.19	+48 00 07.2			557
/1993a	1993 01 06.25706	09 42 07.92	+48 04 12.9			657
/1993a	1993 01 06.26480	09 42 07.18	+48 04 19.1			657
/1993a	1993 01 06.27265	09 42 06.96	+48 04 27.7			657
/1993a	1993 01 06.28007	09 42 06.00	+48 04 34.9			657
/1993a	1993 01 07.64323	09 40 19.78	+48 26 29.1	15 T		372
/1993a	1993 01 07.66615	09 40 17.80	+48 26 52.5			372
/1993a	1993 01 07.67153	09 40 17.49	+48 26 57.5			372
/1993a	1993 01 12.48601	09 33 25.98	+49 43 49.5			411
/1993a	1993 01 12.50416	09 33 24.31	+49 44 06.2			411
/1993a	1993 01 12.51201	09 33 23.56	+49 44 13.7			411
/1993a	1993 01 12.61342	09 33 13.98	+49 45 49.0			900

Note 1: coma diameter 11". 2: narrow 2'.1 tail in p.a. 287 . 3: 0'.74 tail in p.a. 293 . 4: complex coma and tail structure consisting of an asymmetric coma toward p.a. 99 and a sharp tail structure curving from p.a. 76 to p.a. 65 at 1'.03 from the nuclear condensation; also a fainter, residual structure extending 1'.73 in p.a. 60 and a faint, tail-like structure extending 1'.40 in p.a. 256 . 5: considerable confusion with a star. 6: asymmetric coma 26" by 35" and 0'.84 tail in p.a. 282 . 7: dark plate. 8: 0'.67 tail in p.a. 286 . 9: 2' tail in p.a. 300 . A: coma circularly symmetric, diameter 108", offset to the southeast of the nuclear condensation. B: declination uncertain. C: 1'.8 tail in p.a. 142 . D: faint image. E: essentially stellar. F: pre-discovery observation. G: 3' tail in p.a. 300 . H: mid-image re-reduction of the trail-end positions on IAUC 5687.

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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. Numerical codes are defined in the headings for the individual observatories.

A earlier approximate position inferior
a sense of motion ambiguous
B black or dark plate
b bad seeing

C correction to earlier position
 c crowded star field
 D declination uncertain
 d diffuse image
 E at or near edge of plate
 F faint image
 f involved with emulsion or plate flaw
 G poor guiding
 g no guiding
 I involved with star
 i inkdot measured
 M measurement difficult
 N near edge of plate, measurement uncertain
 O image out of focus
 o plate measured in one direction only
 P position uncertain
 p poor image
 R right ascension uncertain
 r poor distribution of reference stars
 S poor sky
 s streaked image
 T time uncertain
 t trailed image
 U uncertain image
 u unconfirmed image
 V very faint image
 W weak image
 w weak solution

Object	Date	UT	R. A. (2000)	Decl.	Mag.	N Obs.
010 Caussols						
E. W. Elst, Royal Observatory, B-1180 Brussels, Belgium						
C. Pollas, Observatoire de la Cote d'Azur, Avenue Copernic, F-06130 Grasse, France						
Observers E. W. Elst, J. B. Emond						
Measurer E. W. Elst						
0.9-m Schmidt telescope						
1981 EC27	1992 11	03.02014	01 57 01.95	+09 24 56.7		010
1981 EC27	1992 11	03.03056	01 57 01.45	+09 24 53.5		010
1981 EC27	1992 11	03.04097	01 57 00.95	+09 24 52.1		010
1981 QP3	1992 12	18.99097	06 21 46.53	+24 39 47.3	18.5	010
1981 QP3	1992 12	19.00139	06 21 45.94	+24 39 48.5		010
1981 QP3	1992 12	19.01181	06 21 45.25	+24 39 49.6		010
1981 QP3	1992 12	19.98056	06 20 49.98	+24 41 12.7		010
1981 QP3	1992 12	19.99097	06 20 49.29	+24 41 13.5		010
1981 QP3	1992 12	20.00150	06 20 48.73	+24 41 14.1		010
1981 RG5	1992 12	13.83275	01 22 26.95	+13 44 59.6	18.0	010
1981 RG5	1992 12	14.83750	01 22 49.63	+13 48 23.3		010
1987 JA	1992 10	23.00139	02 06 01.08	+13 04 19.5	18.5	010
1987 JA	1992 10	23.02222	02 05 59.64	+13 04 15.8		010
1987 JA	1992 11	02.97465	01 54 30.70	+12 29 15.0	18.5	010
1987 JA	1992 11	02.98507	01 54 29.99	+12 29 13.2		010
1987 JA	1992 11	02.99618	01 54 29.44	+12 29 12.0		010
1987 JA	1992 11	03.02014	01 54 27.86	+12 29 08.5		010
1987 JA	1992 11	03.03056	01 54 27.14	+12 29 05.4		010
1987 JA	1992 11	03.04097	01 54 26.50	+12 29 05.1		010
1988 MG	1992 12	13.83275	01 13 38.25	+10 43 49.1	18.5	010
1988 MG	1992 12	14.83750	01 14 04.06	+10 44 23.9		010

1988 RR		1992 12	18.99097	06 23	17.09	+25 52	50.4	18.4	010
1988 RR		1992 12	19.00139	06 23	16.30	+25 52	51.0		010
1988 RR		1992 12	19.01181	06 23	15.47	+25 52	51.0		010
1988 RR		1992 12	19.98056	06 22	05.98	+25 53	48.3		010
1988 RR		1992 12	19.99097	06 22	05.08	+25 53	49.2		010
1988 RR		1992 12	20.00150	06 22	04.29	+25 53	49.6		010
1991 RQ14		1992 12	18.99097	06 30	01.85	+24 52	05.1	19.2	010
1991 RQ14		1992 12	19.00139	06 30	01.15	+24 52	07.6		010
1991 RQ14		1992 12	19.01181	06 30	00.54	+24 52	07.2		010
1991 RQ14		1992 12	19.98056	06 29	08.30	+24 53	10.6		010
1991 RQ14		1992 12	19.99097	06 29	07.57	+24 53	12.2		010
1991 RQ14		1992 12	20.00150	06 29	06.97	+24 53	11.8		010
1991 RQ21		1992 12	18.99097	06 37	52.07	+26 52	40.7	18.3	010
1991 RQ21		1992 12	19.00139	06 37	51.44	+26 52	41.8		010
1991 RQ21		1992 12	19.01181	06 37	50.77	+26 52	43.4		010
1991 RQ21		1992 12	19.98056	06 36	53.97	+26 55	00.7		010
1991 RQ21		1992 12	19.99097	06 36	53.35	+26 55	02.3		010
1991 RQ21		1992 12	20.00150	06 36	52.66	+26 55	03.7		010
1992 OQ1		1992 07	27.02934	21 20	02.25	-14 01	41.3	18.7	010
1992 OQ1		1992 07	27.03976	21 20	01.65	-14 01	40.8		010
1992 OQ1		1992 07	27.05017	21 20	01.16	-14 01	40.8		010
1992 SQ		1992 12	13.83275	01 14	48.32	+11 20	51.5	18.6	010
1992 SQ		1992 12	14.83750	01 15	30.53	+11 21	55.9		010
1992 UJ		1992 12	13.83275	01 15	29.29	+11 43	24.3	18.7	010
1992 UJ		1992 12	14.83750	01 16	04.57	+11 45	07.9		010
1992 UR		1992 12	13.83275	01 23	55.68	+12 29	31.3	18.4	010
1992 UR		1992 12	14.83750	01 24	12.46	+12 38	01.7		010
1992 UB1		1992 12	13.83275	01 18	42.00	+12 15	38.4	18.0	010
1992 UB1		1992 12	14.83750	01 19	01.92	+12 13	36.8		010
1992 UQ1		1992 12	13.83275	01 19	15.40	+11 49	22.4	18.4	010
1992 UQ1		1992 12	14.83750	01 19	34.69	+11 54	12.4		010
1992 US1		1992 12	13.83275	01 26	47.75	+09 18	12.6	18.5	010
1992 US1		1992 12	14.83750	01 27	09.35	+09 24	57.1		010
1992 WB		1992 12	13.83275	01 13	42.82	+12 45	07.6	18.2	010
1992 WB		1992 12	14.83750	01 13	56.80	+12 48	23.4		010
1992 XN	*	1992 12	13.83275	01 13	58.48	+10 39	55.5	18.7	010
1992 XN		1992 12	14.83750	01 14	47.38	+10 41	41.2		010
1992 XO	*	1992 12	13.83275	01 15	02.84	+11 24	08.1	18.7	010
1992 XO		1992 12	14.83750	01 15	35.66	+11 27	26.3		010
1992 XP	*	1992 12	13.83275	01 15	31.23	+12 27	57.1	18.5	010
1992 XP		1992 12	14.83750	01 16	08.43	+12 32	59.3		010
1992 XQ	*	1992 12	13.83275	01 15	43.45	+11 16	51.1	18.4	010
1992 XQ		1992 12	14.83750	01 16	54.52	+11 18	27.3		010
1992 XR	*	1992 12	13.83275	01 18	22.18	+09 46	26.5	18.6	010
1992 XR		1992 12	14.83750	01 18	54.98	+09 48	37.9		010
1992 XS	*	1992 12	13.83275	01 18	35.26	+13 30	50.7	18.3	010
1992 XS		1992 12	14.83750	01 18	45.05	+13 36	31.9		010
1992 XT	*	1992 12	13.83275	01 19	20.97	+11 57	53.3	18.5	010
1992 XT		1992 12	14.83750	01 19	58.59	+12 01	50.0		010
1992 XU	*	1992 12	13.83275	01 19	32.79	+09 21	41.3	18.4	010
1992 XU		1992 12	14.83750	01 20	00.46	+09 18	02.2		010
1992 XV	*	1992 12	13.83275	01 20	14.10	+09 59	28.9	18.7	010
1992 XV		1992 12	14.83750	01 20	47.17	+09 59	12.6		010
1992 XW	*	1992 12	13.83275	01 20	52.96	+11 24	54.7	18.5	010
1992 XW		1992 12	14.83750	01 21	18.33	+11 27	38.3		010
1992 XX	*	1992 12	13.83275	01 22	01.93	+11 47	30.4	18.5	010
1992 XX		1992 12	14.83750	01 22	48.18	+11 50	44.5		010
1992 XY	*	1992 12	13.83275	01 23	12.98	+12 31	00.5	18.5	010
1992 XY		1992 12	14.83750	01 23	34.59	+12 31	12.8		010

1992 XZ	*	1992 12 13.83275	01 23 19.42	+10 42 11.6	18.5	010
1992 XZ		1992 12 14.83750	01 23 44.66	+10 44 02.0		010
1992 XA1	*	1992 12 13.83275	01 23 39.55	+11 02 58.1	18.7	010
1992 XA1		1992 12 14.83750	01 24 03.45	+11 04 43.6		010
1992 XB1	*	1992 12 13.83275	01 23 49.39	+10 19 05.2	18.6	010
1992 XB1		1992 12 14.83750	01 24 12.23	+10 20 14.5		010
1992 XC1	*	1992 12 13.83275	01 26 59.34	+13 43 10.1	18.6	010
1992 XC1		1992 12 14.83750	01 27 55.81	+13 43 33.1		010
1992 XD1	*	1992 12 13.83275	01 28 45.66	+11 06 07.1	18.7	010
1992 XD1		1992 12 14.83750	01 29 14.92	+11 06 54.6		010
1992 XE1	*	1992 12 13.83275	01 29 36.20	+10 40 35.7	18.7	010
1992 XE1		1992 12 14.83750	01 30 20.31	+10 46 21.3		010
1992 XF1	*	1992 12 13.83275	01 29 41.05	+12 04 33.8	18.6	010
1992 XF1		1992 12 14.83750	01 30 11.59	+12 05 32.5		010
1992 XG1	*	1992 12 13.83275	01 29 41.10	+10 28 11.8	18.6	010
1992 XG1		1992 12 14.83750	01 30 02.23	+10 30 55.8		010
1992 XH1	*	1992 12 13.83275	01 31 44.00	+11 27 51.3	18.4	010
1992 XH1		1992 12 14.83750	01 32 11.73	+11 26 10.9		010
1992 XJ1	*	1992 12 13.83275	01 32 08.86	+12 09 25.6	18.5	010
1992 XJ1		1992 12 14.83750	01 32 44.76	+12 10 03.7		010
1992 YC	*	1992 12 17.90903	04 10 50.56	+28 51 06.7	14	010
1992 YC		1992 12 17.93333	04 10 49.57	+28 50 23.2		010
1992 YC		1992 12 20.95625	04 09 13.57	+27 19 39.3		010
1992 YC		1992 12 20.97500	04 09 13.03	+27 19 08.1		010
1992 YC		1992 12 20.98027	04 09 12.84	+27 18 57.8		010
1992 YC		1992 12 26.92882	04 07 16.05	+24 32 02.6		010
1992 YC		1992 12 26.93958	04 07 15.92	+24 31 48.8		010
1992 YC		1992 12 26.94537	04 07 15.93	+24 31 37.2		010
1992 YU		1992 12 18.99097	06 26 46.95	+23 13 03.3	18.0	010
1992 YU		1992 12 19.00139	06 26 46.12	+23 13 01.9		010
1992 YU		1992 12 19.01181	06 26 45.32	+23 13 00.2		010
1992 YU		1992 12 19.98056	06 25 39.58	+23 11 18.7		010
1992 YU		1992 12 19.99097	06 25 38.81	+23 11 17.8		010
1992 YU		1992 12 20.00150	06 25 38.03	+23 11 16.7		010
1992 YC1	*	1992 12 18.99097	06 20 26.96	+23 56 36.4	18.3	010
1992 YC1		1992 12 19.00139	06 20 26.32	+23 56 36.2		010
1992 YC1		1992 12 19.01181	06 20 25.77	+23 56 37.3		010
1992 YC1		1992 12 19.98056	06 19 33.42	+23 57 47.1		010
1992 YC1		1992 12 19.99097	06 19 32.87	+23 57 47.4		010
1992 YC1		1992 12 20.00150	06 19 32.13	+23 57 48.5		010
1992 YD1	*	1992 12 18.99097	06 20 53.11	+23 48 34.1	18.4	010
1992 YD1		1992 12 19.00139	06 20 52.27	+23 48 36.4		010
1992 YD1		1992 12 19.01181	06 20 51.49	+23 48 37.0		010
1992 YD1		1992 12 19.98056	06 19 41.11	+23 51 36.5		010
1992 YD1		1992 12 19.99097	06 19 40.26	+23 51 38.1		010
1992 YD1		1992 12 20.00150	06 19 39.45	+23 51 39.7		010
1992 YE1	*	1992 12 18.99097	06 21 33.39	+25 10 25.6	18.4	010
1992 YE1		1992 12 19.00139	06 21 32.66	+25 10 27.6		010
1992 YE1		1992 12 19.01181	06 21 31.99	+25 10 29.0		010
1992 YE1		1992 12 19.98056	06 20 30.42	+25 13 42.0		010
1992 YE1		1992 12 19.99097	06 20 29.68	+25 13 43.6		010
1992 YE1		1992 12 20.00150	06 20 28.97	+25 13 46.8		010
1992 YF1	*	1992 12 18.99097	06 22 39.92	+24 30 02.8	19.0	010
1992 YF1		1992 12 19.00139	06 22 39.24	+24 30 03.8		010
1992 YF1		1992 12 19.01181	06 22 38.48	+24 30 04.6		010
1992 YF1		1992 12 19.98056	06 21 32.24	+24 32 09.7		010
1992 YF1		1992 12 19.99097	06 21 31.43	+24 32 11.1		010
1992 YF1		1992 12 20.00150	06 21 30.65	+24 32 12.9		010
1992 YG1	*	1992 12 18.99097	06 22 59.90	+25 10 26.1	18.6	010

1992 YG1		1992 12 19.00139	06 22 59.23	+25 10 29.4		010
1992 YG1		1992 12 19.01181	06 22 58.59	+25 10 32.3		010
1992 YG1		1992 12 19.98056	06 21 52.55	+25 15 38.9		010
1992 YG1		1992 12 19.99097	06 21 51.86	+25 15 42.2		010
1992 YG1		1992 12 20.00150	06 21 51.05	+25 15 44.4		010
1992 YH1	*	1992 12 18.99097	06 23 07.37	+23 43 42.3	19.3	010
1992 YH1		1992 12 19.00139	06 23 06.59	+23 43 42.0		010
1992 YH1		1992 12 19.01181	06 23 05.92	+23 43 41.6		010
1992 YH1		1992 12 19.98056	06 21 58.98	+23 42 57.9		010
1992 YH1		1992 12 19.99097	06 21 58.18	+23 42 57.3		010
1992 YH1		1992 12 20.00150	06 21 57.49	+23 42 56.3		010
1992 YJ1	*	1992 12 18.99097	06 23 19.19	+27 36 22.3	18.6	010
1992 YJ1		1992 12 19.00139	06 23 18.46	+27 36 23.4		010
1992 YJ1		1992 12 19.01181	06 23 17.70	+27 36 23.2		010
1992 YJ1		1992 12 19.98056	06 22 09.31	+27 37 35.0		010
1992 YJ1		1992 12 19.99097	06 22 08.40	+27 37 35.2		010
1992 YJ1		1992 12 20.00150	06 22 07.62	+27 37 36.5		010
1992 YK1	*	1992 12 18.99097	06 24 31.81	+24 41 14.3	18.6	010
1992 YK1		1992 12 19.00139	06 24 31.14	+24 41 17.0		010
1992 YK1		1992 12 19.01181	06 24 30.43	+24 41 18.4		010
1992 YK1		1992 12 19.98056	06 23 24.80	+24 44 31.2		010
1992 YK1		1992 12 19.99097	06 23 24.04	+24 44 32.8		010
1992 YK1		1992 12 20.00150	06 23 23.23	+24 44 35.5		010
1992 YL1	*	1992 12 18.99097	06 25 12.93	+26 15 08.5	18.7	010
1992 YL1		1992 12 19.00139	06 25 12.13	+26 15 10.4		010
1992 YL1		1992 12 19.01181	06 25 11.42	+26 15 12.9		010
1992 YL1		1992 12 19.98056	06 24 04.95	+26 18 05.8		010
1992 YL1		1992 12 19.99097	06 24 04.20	+26 18 08.5		010
1992 YL1		1992 12 20.00150	06 24 03.49	+26 18 09.8		010
1992 YM1	*	1992 12 18.99097	06 26 35.85	+22 52 01.1	18.5	010
1992 YM1		1992 12 19.00139	06 26 35.19	+22 52 06.9		010
1992 YM1		1992 12 19.01181	06 26 34.51	+22 52 10.6		010
1992 YM1		1992 12 19.98056	06 25 38.68	+22 58 47.7		010
1992 YM1		1992 12 19.99097	06 25 38.09	+22 58 51.4		010
1992 YM1		1992 12 20.00150	06 25 37.37	+22 58 56.1		010
1992 YN1	*	1992 12 18.99097	06 26 52.67	+26 38 14.1	18.2	010
1992 YN1		1992 12 19.00139	06 26 51.97	+26 38 18.8		010
1992 YN1		1992 12 19.01181	06 26 51.29	+26 38 24.5		010
1992 YN1		1992 12 19.98056	06 25 46.52	+26 46 50.4		010
1992 YN1		1992 12 19.99097	06 25 45.75	+26 46 55.8		010
1992 YN1		1992 12 20.00150	06 25 44.97	+26 47 01.6		010
1992 YO1	*	1992 12 18.99097	06 27 25.98	+23 20 25.5	19.4	010
1992 YO1		1992 12 19.00139	06 27 25.27	+23 20 25.0		010
1992 YO1		1992 12 19.01181	06 27 24.68	+23 20 23.9		010
1992 YO1		1992 12 19.98056	06 26 24.11	+23 21 37.7		010
1992 YO1		1992 12 19.99097	06 26 23.28	+23 21 38.4		010
1992 YO1		1992 12 20.00150	06 26 22.56	+23 21 37.9		010
1992 YP1	*	1992 12 18.99097	06 27 27.12	+25 46 33.0	18.4	010
1992 YP1		1992 12 19.00139	06 27 26.39	+25 46 34.5		010
1992 YP1		1992 12 19.01181	06 27 25.61	+25 46 37.3		010
1992 YP1		1992 12 19.98056	06 26 19.94	+25 49 58.8		010
1992 YP1		1992 12 19.99097	06 26 19.10	+25 50 00.6		010
1992 YP1		1992 12 20.00150	06 26 18.38	+25 50 02.4		010
1992 YQ1	*	1992 12 18.99097	06 27 46.99	+25 15 18.8	18.5	010
1992 YQ1		1992 12 19.00139	06 27 46.32	+25 15 19.2		010
1992 YQ1		1992 12 19.01181	06 27 45.70	+25 15 18.6		010
1992 YQ1		1992 12 19.98056	06 26 45.18	+25 14 33.4		010
1992 YQ1		1992 12 19.99097	06 26 44.53	+25 14 33.0		010
1992 YQ1		1992 12 20.00150	06 26 43.79	+25 14 31.9		010

1992 YR1	*	1992 12 18.99097	06 27 49.55	+24 53 22.1	19.2	010
1992 YR1		1992 12 19.00139	06 27 48.86	+24 53 20.3		010
1992 YR1		1992 12 19.01181	06 27 48.18	+24 53 17.8		010
1992 YR1		1992 12 19.98056	06 26 43.19	+24 51 13.2		010
1992 YR1		1992 12 19.99097	06 26 42.53	+24 51 11.0		010
1992 YR1		1992 12 20.00150	06 26 41.80	+24 51 08.3		010
1992 YS1	*	1992 12 18.99097	06 28 21.10	+23 30 03.0	18.7	010
1992 YS1		1992 12 19.00139	06 28 20.38	+23 30 01.5		010
1992 YS1		1992 12 19.01181	06 28 19.86	+23 30 00.2		010
1992 YS1		1992 12 19.98056	06 27 22.51	+23 28 28.7		010
1992 YS1		1992 12 19.99097	06 27 21.82	+23 28 27.8		010
1992 YS1		1992 12 20.00150	06 27 21.10	+23 28 26.8		010
1992 YT1	*	1992 12 18.99097	06 28 35.27	+25 25 18.0	18.7	010
1992 YT1		1992 12 19.00139	06 28 34.71	+25 25 21.2		010
1992 YT1		1992 12 19.01181	06 28 34.11	+25 25 24.2		010
1992 YT1		1992 12 19.98056	06 27 40.09	+25 29 47.2		010
1992 YT1		1992 12 19.99097	06 27 39.43	+25 29 51.0		010
1992 YT1		1992 12 20.00150	06 27 38.70	+25 29 53.8		010
1992 YU1	*	1992 12 18.99097	06 29 09.26	+25 09 26.4	18.4	010
1992 YU1		1992 12 19.00139	06 29 08.55	+25 09 25.4		010
1992 YU1		1992 12 19.01181	06 29 07.86	+25 09 23.9		010
1992 YU1		1992 12 19.98056	06 28 08.41	+25 08 24.0		010
1992 YU1		1992 12 19.99097	06 28 07.71	+25 08 23.2		010
1992 YU1		1992 12 20.00150	06 28 07.02	+25 08 22.4		010
1992 YV1	*	1992 12 18.99097	06 29 14.59	+24 09 00.7	18.6	010
1992 YV1		1992 12 19.00139	06 29 13.87	+24 08 59.1		010
1992 YV1		1992 12 19.01181	06 29 13.25	+24 08 57.2		010
1992 YV1		1992 12 19.98056	06 28 14.84	+24 06 57.0		010
1992 YV1		1992 12 19.99097	06 28 14.13	+24 06 55.5		010
1992 YV1		1992 12 20.00150	06 28 13.41	+24 06 53.9		010
1992 YW1	*	1992 12 18.99097	06 29 32.47	+26 31 39.0	18.3	010
1992 YW1		1992 12 19.00139	06 29 31.70	+26 31 38.7		010
1992 YW1		1992 12 19.01181	06 29 30.89	+26 31 38.4		010
1992 YW1		1992 12 19.98056	06 28 22.21	+26 31 10.5		010
1992 YW1		1992 12 19.99097	06 28 21.45	+26 31 10.0		010
1992 YW1		1992 12 20.00150	06 28 20.61	+26 31 09.9		010
1992 YX1	*	1992 12 18.99097	06 30 30.01	+25 28 33.0	18.5	010
1992 YX1		1992 12 19.00139	06 30 29.59	+25 28 33.4		010
1992 YX1		1992 12 19.01181	06 30 28.86	+25 28 33.3		010
1992 YX1		1992 12 19.98056	06 29 26.41	+25 30 10.1		010
1992 YX1		1992 12 19.99097	06 29 25.65	+25 30 11.3		010
1992 YX1		1992 12 20.00150	06 29 24.92	+25 30 12.1		010
1992 YY1	*	1992 12 18.99097	06 30 40.09	+23 40 43.9	18.6	010
1992 YY1		1992 12 19.00139	06 30 39.43	+23 40 47.0		010
1992 YY1		1992 12 19.01181	06 30 38.67	+23 40 49.0		010
1992 YY1		1992 12 19.98056	06 29 30.58	+23 44 24.8		010
1992 YY1		1992 12 19.99097	06 29 29.77	+23 44 27.0		010
1992 YY1		1992 12 20.00150	06 29 28.98	+23 44 29.1		010
1992 YZ1	*	1992 12 18.99097	06 30 49.76	+23 22 22.4	18.6	010
1992 YZ1		1992 12 19.00139	06 30 49.02	+23 22 18.2		010
1992 YZ1		1992 12 19.01181	06 30 48.39	+23 22 15.4		010
1992 YZ1		1992 12 19.98056	06 29 49.69	+23 18 13.1		010
1992 YZ1		1992 12 19.99097	06 29 48.99	+23 18 10.2		010
1992 YZ1		1992 12 20.00150	06 29 48.21	+23 18 07.9		010
1992 YA2	*	1992 12 18.99097	06 31 19.60	+25 37 30.4	18.7	010
1992 YA2		1992 12 19.00139	06 31 18.78	+25 37 29.5		010
1992 YA2		1992 12 19.01181	06 31 18.14	+25 37 28.4		010
1992 YA2		1992 12 19.98056	06 30 13.89	+25 36 27.7		010
1992 YA2		1992 12 19.99097	06 30 13.17	+25 36 27.7		010

1992 YA2		1992 12 20.00150	06 30 12.52	+25 36 25.7		010
1992 YB2	*	1992 12 18.99097	06 32 59.82	+25 34 17.1	18.5	010
1992 YB2		1992 12 19.00139	06 32 59.06	+25 34 16.4		010
1992 YB2		1992 12 19.01181	06 32 58.14	+25 34 15.1		010
1992 YB2		1992 12 19.98056	06 31 47.89	+25 32 47.3		010
1992 YB2		1992 12 19.99097	06 31 47.10	+25 32 46.2		010
1992 YB2		1992 12 20.00150	06 31 46.33	+25 32 44.5		010
1992 YC2	*	1992 12 18.99097	06 33 05.46	+23 55 56.7	18.7	010
1992 YC2		1992 12 19.00139	06 33 04.77	+23 55 56.6		010
1992 YC2		1992 12 19.01181	06 33 04.06	+23 55 56.6		010
1992 YC2		1992 12 19.98056	06 32 02.37	+23 55 55.6		010
1992 YC2		1992 12 19.99097	06 32 01.60	+23 55 55.3		010
1992 YC2		1992 12 20.00150	06 32 00.85	+23 55 55.1		010
1992 YD2	*	1992 12 18.99097	06 33 10.12	+24 31 33.8	18.5	010
1992 YD2		1992 12 19.00139	06 33 09.48	+24 31 38.9		010
1992 YD2		1992 12 19.01181	06 33 08.81	+24 31 44.9		010
1992 YD2		1992 12 19.98056	06 32 08.69	+24 40 19.9		010
1992 YD2		1992 12 19.99097	06 32 07.99	+24 40 24.5		010
1992 YD2		1992 12 20.00150	06 32 07.21	+24 40 31.6		010
1992 YE2	*	1992 12 18.99097	06 34 23.27	+26 34 54.2	18.5	010
1992 YE2		1992 12 19.00139	06 34 22.62	+26 34 51.6		010
1992 YE2		1992 12 19.01181	06 34 21.89	+26 34 50.6		010
1992 YE2		1992 12 19.98056	06 33 20.72	+26 32 34.3		010
1992 YE2		1992 12 19.99097	06 33 20.02	+26 32 33.2		010
1992 YE2		1992 12 20.00150	06 33 19.32	+26 32 32.3		010
1992 YF2	*	1992 12 18.99097	06 36 05.15	+25 03 47.8	19.5	010
1992 YF2		1992 12 19.00139	06 36 04.63	+25 03 47.3		010
1992 YF2		1992 12 19.01181	06 36 04.04	+25 03 45.4		010
1992 YF2		1992 12 19.98056	06 35 16.33	+25 02 11.0		010
1992 YF2		1992 12 19.99097	06 35 15.78	+25 02 09.0		010
1992 YF2		1992 12 20.00150	06 35 15.23	+25 02 05.9		010
1992 YG2	*	1992 12 18.99097	06 36 05.78	+26 29 15.5	18.6	010
1992 YG2		1992 12 19.00139	06 36 05.03	+26 29 14.8		010
1992 YG2		1992 12 19.01181	06 36 04.27	+26 29 12.9		010
1992 YG2		1992 12 19.98056	06 34 53.39	+26 28 24.4		010
1992 YG2		1992 12 19.99097	06 34 52.60	+26 28 24.0		010
1992 YG2		1992 12 20.00150	06 34 51.72	+26 28 23.6		010
1992 YH2	*	1992 12 18.99097	06 36 39.73	+25 18 27.1	18.4	010
1992 YH2		1992 12 19.00139	06 36 39.10	+25 18 29.7		010
1992 YH2		1992 12 19.01181	06 36 38.53	+25 18 31.9		010
1992 YH2		1992 12 19.98056	06 35 46.99	+25 22 22.3		010
1992 YH2		1992 12 19.99097	06 35 46.41	+25 22 24.5		010
1992 YH2		1992 12 20.00150	06 35 45.80	+25 22 26.7		010
1992 YJ2	*	1992 12 18.99097	06 37 48.68	+23 56 14.5	18.3	010
1992 YJ2		1992 12 19.00139	06 37 47.96	+23 56 18.2		010
1992 YJ2		1992 12 19.01181	06 37 47.27	+23 56 22.3		010
1992 YJ2		1992 12 19.98056	06 36 42.80	+24 01 16.1		010
1992 YJ2		1992 12 19.99097	06 36 42.00	+24 01 19.0		010
1992 YJ2		1992 12 20.00150	06 36 41.26	+24 01 22.1		010
1992 YK2	*	1992 12 18.99097	06 38 33.76	+26 24 47.3	18.5	010
1992 YK2		1992 12 19.00139	06 38 33.01	+26 24 47.2		010
1992 YK2		1992 12 19.01181	06 38 32.40	+26 24 47.8		010
1992 YK2		1992 12 19.98056	06 37 31.16	+26 25 36.0		010
1992 YK2		1992 12 19.99097	06 37 30.45	+26 25 36.7		010
1992 YK2		1992 12 20.00150	06 37 29.71	+26 25 37.9		010
1992 YL2	*	1992 12 18.99097	06 39 02.13	+23 36 46.9	18.0	010
1992 YL2		1992 12 19.00139	06 39 01.52	+23 36 49.7		010
1992 YL2		1992 12 19.01181	06 39 00.92	+23 36 52.9		010
1992 YL2		1992 12 19.98056	06 38 08.16	+23 41 27.0		010

1992 YL2		1992 12 19.99097	06 38 07.56	+23 41 29.8		010
1992 YL2		1992 12 20.00150	06 38 06.97	+23 41 32.4		010
1992 YM2	*	1992 12 18.99097	06 39 17.96	+24 56 35.3	18.5	010
1992 YM2		1992 12 19.00139	06 39 17.25	+24 56 39.1		010
1992 YM2		1992 12 19.01181	06 39 16.54	+24 56 42.7		010
1992 YM2		1992 12 19.98056	06 38 13.55	+25 01 24.9		010
1992 YM2		1992 12 19.99097	06 38 12.79	+25 01 27.7		010
1992 YM2		1992 12 20.00150	06 38 12.06	+25 01 30.9		010
1992 YN2	*	1992 12 18.99097	06 39 43.79	+24 22 43.9	18.4	010
1992 YN2		1992 12 19.00139	06 39 43.08	+24 22 45.5		010
1992 YN2		1992 12 19.01181	06 39 42.38	+24 22 47.1		010
1992 YN2		1992 12 19.98056	06 38 40.13	+24 25 16.9		010
1992 YN2		1992 12 19.99097	06 38 39.37	+24 25 18.8		010
1992 YN2		1992 12 20.00150	06 38 38.63	+24 25 19.8		010
1992 YO2	*	1992 12 18.99097	06 39 47.39	+23 51 59.8	18.4	010
1992 YO2		1992 12 19.00139	06 39 46.77	+23 51 58.0		010
1992 YO2		1992 12 19.01181	06 39 46.17	+23 51 56.2		010
1992 YO2		1992 12 19.98056	06 38 51.53	+23 49 40.8		010
1992 YO2		1992 12 19.99097	06 38 50.91	+23 49 38.9		010
1992 YO2		1992 12 20.00150	06 38 50.27	+23 49 38.0		010
1992 YP2	*	1992 12 18.99097	06 39 55.17	+25 31 46.7	18.7	010
1992 YP2		1992 12 19.00139	06 39 54.48	+25 31 50.7		010
1992 YP2		1992 12 19.01181	06 39 53.85	+25 31 55.0		010
1992 YP2		1992 12 19.98056	06 38 53.58	+25 38 21.0		010
1992 YP2		1992 12 19.99097	06 38 52.79	+25 38 25.4		010
1992 YP2		1992 12 20.00150	06 38 52.07	+25 38 28.6		010
1992 YQ2	*	1992 12 18.99097	06 39 57.84	+25 01 39.2	19.0	010
1992 YQ2		1992 12 19.00139	06 39 57.27	+25 01 40.1		010
1992 YQ2		1992 12 19.01181	06 39 56.67	+25 01 40.7		010
1992 YQ2		1992 12 19.98056	06 39 03.44	+25 03 05.4		010
1992 YQ2		1992 12 19.99097	06 39 02.78	+25 03 06.9		010
1992 YQ2		1992 12 20.00150	06 39 02.05	+25 03 05.9		010
1992 YR2	*	1992 12 18.99097	06 40 43.24	+26 42 09.6	18.8	010
1992 YR2		1992 12 19.00139	06 40 42.56	+26 42 12.7		010
1992 YR2		1992 12 19.01181	06 40 41.82	+26 42 13.3		010
1992 YR2		1992 12 19.98056	06 39 38.13	+26 45 30.5		010
1992 YR2		1992 12 19.99097	06 39 37.45	+26 45 32.5		010
1992 YR2		1992 12 20.00150	06 39 36.76	+26 45 34.2		010
(432)		1992 12 18.99097	06 25 40.35	+24 33 44.8	14.0	010
(432)		1992 12 19.00139	06 25 39.57	+24 33 47.8		010
(432)		1992 12 19.01181	06 25 38.80	+24 33 50.9		010
(432)		1992 12 19.98056	06 24 33.05	+24 38 29.0		010
(432)		1992 12 19.99097	06 24 32.22	+24 38 31.9		010
(432)		1992 12 20.00150	06 24 31.45	+24 38 35.1		010
(996)		1992 12 18.99097	06 39 20.60	+24 06 59.7	17.8	010
(996)		1992 12 19.00139	06 39 19.92	+24 07 00.2		010
(996)		1992 12 19.01181	06 39 19.33	+24 07 00.8		010
(996)		1992 12 19.98056	06 38 28.38	+24 07 49.2		010
(996)		1992 12 19.99097	06 38 27.78	+24 07 49.7		010
(996)		1992 12 20.00150	06 38 27.15	+24 07 50.4		010
(1096)		1992 12 18.99097	06 36 20.41	+26 25 09.0	17.8	010
(1096)		1992 12 19.00139	06 36 19.73	+26 25 11.6		010
(1096)		1992 12 19.01181	06 36 19.03	+26 25 13.8		010
(1096)		1992 12 19.98056	06 35 17.11	+26 29 04.6		010
(1096)		1992 12 19.99097	06 35 16.38	+26 29 07.5		010
(1096)		1992 12 20.00150	06 35 15.63	+26 29 09.6		010
(1589)		1992 12 18.99097	06 23 55.18	+23 33 12.4	17.8	010
(1589)		1992 12 19.00139	06 23 54.42	+23 33 14.5		010
(1589)		1992 12 19.01181	06 23 53.71	+23 33 16.8		010

(1589)	1992 12 19.98056	06 22 49.28	+23 36 28.8		010
(1589)	1992 12 19.99097	06 22 48.52	+23 36 31.0		010
(1589)	1992 12 20.00150	06 22 47.75	+23 36 33.1		010
(1644)	1992 12 18.99097	06 20 11.77	+23 18 30.7	17.5	010
(1644)	1992 12 19.00139	06 20 11.02	+23 18 27.8		010
(1644)	1992 12 19.01181	06 20 10.34	+23 18 25.9		010
(1808)	1992 12 13.83275	01 19 24.50	+09 56 56.4	17.8	010
(1808)	1992 12 14.83750	01 19 46.28	+09 59 21.5		010
(2140)	1992 12 18.99097	06 27 04.59	+23 40 22.7	18.1	010
(2140)	1992 12 19.00139	06 27 03.92	+23 40 22.1		010
(2140)	1992 12 19.01181	06 27 03.31	+23 40 20.8		010
(2140)	1992 12 19.98056	06 26 08.63	+23 38 48.7		010
(2140)	1992 12 19.99097	06 26 08.02	+23 38 48.1		010
(2140)	1992 12 20.00150	06 26 07.33	+23 38 46.8		010
(2300)	1992 12 18.99097	06 36 49.80	+26 22 22.5	18.1	010
(2300)	1992 12 19.00139	06 36 49.15	+26 22 23.1		010
(2300)	1992 12 19.01181	06 36 48.53	+26 22 23.5		010
(2300)	1992 12 19.98056	06 35 52.11	+26 23 47.1		010
(2300)	1992 12 19.99097	06 35 51.41	+26 23 48.1		010
(2300)	1992 12 20.00150	06 35 50.75	+26 23 49.2		010
(2365)	1992 12 18.99097	06 23 18.31	+25 08 23.9	17.7	010
(2365)	1992 12 19.00139	06 23 17.60	+25 08 22.8		010
(2365)	1992 12 19.01181	06 23 16.91	+25 08 21.8		010
(2365)	1992 12 19.98056	06 22 15.01	+25 06 21.6		010
(2365)	1992 12 19.99097	06 22 14.25	+25 06 20.0		010
(2365)	1992 12 20.00150	06 22 13.53	+25 06 19.3		010
(2883)	1992 12 18.99097	06 32 13.34	+24 57 40.4	18.2	010
(2883)	1992 12 19.00139	06 32 12.50	+24 57 42.0		010
(2883)	1992 12 19.01181	06 32 11.80	+24 57 42.5		010
(2883)	1992 12 19.98056	06 31 04.87	+24 59 14.1		010
(2883)	1992 12 19.99097	06 31 04.09	+24 59 14.9		010
(2883)	1992 12 20.00150	06 31 03.29	+24 59 15.7		010
(3032)	1992 12 18.99097	06 20 12.68	+23 39 16.9	18.0	010
(3032)	1992 12 19.00139	06 20 12.02	+23 39 17.7		010
(3032)	1992 12 19.01181	06 20 11.43	+23 39 18.5		010
(3032)	1992 12 19.98056	06 19 15.68	+23 40 46.9		010
(3032)	1992 12 19.99097	06 19 15.04	+23 40 47.8		010
(3032)	1992 12 20.00150	06 19 14.34	+23 40 49.4		010
(4585)	1992 12 19.98056	06 40 35.07	+26 25 44.5	18.5	010
(4585)	1992 12 19.99097	06 40 34.43	+26 25 46.6		010
(4585)	1992 12 20.00150	06 40 33.84	+26 25 48.8		010
(4980)	1992 12 18.99097	06 21 18.88	+24 50 45.2	18.2	010
(4980)	1992 12 19.00139	06 21 18.29	+24 50 45.4		010
(4980)	1992 12 19.01181	06 21 17.67	+24 50 46.2		010
(4980)	1992 12 19.98056	06 20 25.09	+24 51 50.5		010
(4980)	1992 12 19.99097	06 20 24.49	+24 51 51.6		010
(4980)	1992 12 20.00150	06 20 23.93	+24 51 52.2		010
(5399)	1992 12 13.83275	01 15 55.12	+12 08 58.3	18.0	010
(5399)	1992 12 14.83750	01 16 14.26	+12 08 15.9		010

033 Tautenburg

F. Borngen, Thuringer Landessternwarte, Dorfstrasse 73,
O-6901 Tautenburg, Federal Republic of Germany

1.3-m Schmidt telescope

PPM

1962 SR	1992 09 25.12708	06 48 28.91	+27 07 48.3	19.5	V	033
1962 SR	1992 09 27.08333	06 50 40.99	+27 03 54.1		V	033
1962 SR	1992 09 27.12222	06 50 43.64	+27 03 49.3			033
1962 SR	1992 09 28.11389	06 51 48.86	+27 01 50.3			033

1962 SR		1992 10	24.11979	07 12	47.04	+26 09	22.3		033
1962 SR		1992 11	01.08403	07 15	48.98	+25 55	08.8	18.3	033
1962 SR		1992 11	01.12569	07 15	49.60	+25 55	04.8		033
1962 SR		1992 11	02.10556	07 16	04.39	+25 53	26.2		033
1962 SR		1992 11	24.05972	07 13	53.85	+25 22	56.0	18.0	033
1962 SR		1992 11	24.13403	07 13	51.74	+25 22	51.0		033
1962 SR		1992 12	29.98264	06 42	35.86	+24 34	21.7	17.2	033
1962 SR		1992 12	30.02917	06 42	32.72	+24 34	16.6		033
1962 SR		1993 01	01.02500	06 40	20.95	+24 30	22.7		033
1977 EK1		1992 09	21.88958	00 12	45.37	+03 11	30.3		033
1977 EK1		1992 09	21.93333	00 12	42.96	+03 11	09.7		033
1977 EK1		1992 09	22.99931	00 11	44.74	+03 02	49.5		033
1977 EK1		1992 09	24.95000	00 09	58.41	+02 47	24.9	18.1	033
1977 EK1		1992 09	24.99236	00 09	56.07	+02 47	04.7		033
1977 EK1		1992 09	26.92569	00 08	10.71	+02 31	42.0		033
1977 EK1		1992 09	27.92361	00 07	16.46	+02 23	45.6		033
1977 EK1		1992 09	28.89444	00 06	23.93	+02 16	02.3		033
1987 UJ		1991 10	09.92361	00 31	18.62	+06 18	49.2	17.6	033
1987 UJ		1991 10	09.97153	00 31	16.07	+06 18	36.3		033
1991 RF11		1991 09	05.04167	01 00	31.49	+11 59	12.8	17.8	033
1991 RF11		1991 09	05.08819	01 00	30.48	+11 59	20.1		033
1991 TM4		1991 10	09.92361	00 28	34.22	+09 24	51.0	18.9	033
1991 TM4		1991 10	09.97153	00 28	31.79	+09 24	21.8		033
1991 TE6		1991 10	07.86111	23 58	28.89	+07 06	20.2	18.5	033
1991 TE6		1991 10	07.90625	23 58	26.62	+07 06	02.6		033
1991 XE2		1991 12	28.81458	04 07	24.76	+23 29	23.9	17.6	033
1992 HM4	*	1992 04	30.96806	15 23	01.04	-06 14	34.0	18.1	033
1992 HM4		1992 05	01.03056	15 22	58.20	-06 14	12.4		033
1992 HM4		1992 05	04.02500	15 20	48.70	-05 57	31.0		033
1992 HN4	*	1992 04	30.96806	15 23	29.50	-06 05	24.6	18.0	033
1992 HN4		1992 05	01.03056	15 23	26.45	-06 04	54.4		033
1992 HN4		1992 05	04.02500	15 21	03.41	-05 40	55.1		033
1992 HO4	*	1992 04	30.96806	15 28	12.39	-06 03	21.7	18.2	033
1992 HO4		1992 05	01.03056	15 28	09.29	-06 02	57.8		033
1992 HO4		1992 05	04.02500	15 25	42.64	-05 44	49.9		033
1992 HP4	*	1992 04	30.96806	15 28	40.38	-07 13	40.1	17.7	033
1992 HP4		1992 05	01.03056	15 28	37.49	-07 12	59.5		033
1992 HP4		1992 05	04.02500	15 26	20.59	-06 40	49.5		033
1992 HP4		1992 05	05.96944	15 24	49.23	-06 20	21.9		033
1992 HP4		1992 05	06.02917	15 24	46.25	-06 19	44.6		033
1992 HQ4	*	1992 04	30.96806	15 29	52.57	-06 48	12.3	17.5	033
1992 HQ4		1992 05	01.03056	15 29	49.51	-06 48	03.7		033
1992 HQ4		1992 05	04.02500	15 27	26.84	-06 41	30.0		033
1992 HQ4		1992 05	05.96944	15 25	52.51	-06 37	33.9		033
1992 HQ4		1992 05	06.02917	15 25	49.45	-06 37	27.1		033
1992 HR4	*	1992 04	30.96806	15 30	28.42	-07 53	41.1	17.4	033
1992 HR4		1992 05	01.03056	15 30	25.13	-07 53	23.6		033
1992 HR4		1992 05	04.02500	15 27	54.43	-07 39	52.0		033
1992 HR4		1992 05	05.96944	15 26	12.32	-07 31	34.0		033
1992 HR4		1992 05	06.02917	15 26	08.94	-07 31	18.6		033
1992 HR4		1992 05	23.92222	15 09	53.67	-06 41	42.4		033
1992 HR4		1992 05	24.90278	15 09	04.36	-06 40	43.2	17.5	033
1992 HR4		1992 05	24.94792	15 09	02.02	-06 40	41.3		033
1992 HR4		1992 05	25.92361	15 08	14.02	-06 39	56.7		033
1992 HR4		1992 05	26.92083	15 07	25.99	-06 39	23.1		033
1992 HR4		1992 05	27.92361	15 06	38.89	-06 39	02.8		033
1992 HR4		1992 05	28.92431	15 05	53.08	-06 38	56.1		033
1992 HS4	*	1992 04	30.96806	15 31	28.72	-05 53	39.1	17.2	033
1992 HS4		1992 05	01.03056	15 31	25.66	-05 53	31.6		033

1992 HS4	1992 05	04.02500	15 28	58.81	-05 48	07.8		033
1992 HS4	1992 05	05.96944	15 27	20.07	-05 45	06.7		033
1992 HS4	1992 05	06.02917	15 27	16.79	-05 45	01.7		033
1992 HS4	1992 05	23.92222	15 11	31.50	-05 40	47.7		033
1992 HS4	1992 05	24.90278	15 10	42.30	-05 41	56.1	17.2	033
1992 HS4	1992 05	24.94792	15 10	40.01	-05 42	00.5		033
1992 HS4	1992 05	25.92361	15 09	51.70	-05 43	20.2		033
1992 HS4	1992 05	26.92083	15 09	03.06	-05 44	51.3		033
1992 HS4	1992 05	27.92361	15 08	15.04	-05 46	31.8		033
1992 HS4	1992 05	28.92431	15 07	27.95	-05 48	23.8		033
1992 KU	* 1992 05	24.90278	15 17	48.45	-06 40	32.6	18.5	V 033
1992 KU	1992 05	24.94792	15 17	45.71	-06 40	38.7		033
1992 KU	1992 05	25.92361	15 16	50.39	-06 42	42.4		033
1992 KU	1992 05	26.92083	15 15	54.80	-06 44	59.8		V 033
1992 KU	1992 05	27.92361	15 15	00.04	-06 47	25.8		V 033
1992 KU	1992 05	28.92431	15 14	06.44	-06 50	07.9		V 033
1992 RZ	1992 09	21.88958	00 07	49.49	+02 25	14.7		033
1992 RZ	1992 09	21.93333	00 07	47.33	+02 25	01.1		I 033
1992 RZ	1992 09	22.99931	00 06	56.86	+02 19	39.6		033
2651 P-L	1992 09	21.88958	00 09	37.72	+01 59	48.8		033
2651 P-L	1992 09	21.93333	00 09	35.20	+01 59	45.0		033
2651 P-L	1992 09	22.99931	00 08	37.23	+01 58	18.6		033
(268)	1992 07	27.06146	00 29	43.36	+00 44	03.3	15.5	033
(268)	1992 07	28.05764	00 29	46.09	+00 43	23.7		033
(268)	1992 07	29.04271	00 29	47.77	+00 42	37.6		033
(268)	1992 07	30.06389	00 29	48.33	+00 41	42.7		033
(268)	1992 08	06.07222	00 29	21.56	+00 32	07.0		033
(348)	1992 04	30.96806	15 22	58.18	-08 21	26.0	14.9	033
(348)	1992 05	01.03056	15 22	55.08	-08 21	19.3		033
(348)	1992 05	04.02500	15 20	28.34	-08 16	01.1		033
(348)	1992 05	05.96944	15 18	51.48	-08 12	50.9		033
(348)	1992 05	06.02917	15 18	48.40	-08 12	44.9		033
(1043)	1992 07	27.06146	00 27	05.31	+00 57	29.4	16.3	033
(1043)	1992 07	28.05764	00 27	17.76	+00 55	44.0		033
(1043)	1992 07	29.04271	00 27	28.94	+00 53	50.8		033
(1043)	1992 07	30.06389	00 27	39.21	+00 51	43.6		033
(1043)	1992 08	06.07222	00 28	15.17	+00 32	50.8		033
(1674)	1992 07	27.06146	00 37	09.04	+00 33	12.1	17.9	033
(1674)	1992 07	28.05764	00 37	20.59	+00 33	16.6		033
(1674)	1992 07	29.04271	00 37	30.95	+00 33	13.1		033
(1674)	1992 07	30.06389	00 37	40.41	+00 33	02.3		033
(1674)	1992 08	06.07222	00 38	13.53	+00 28	22.9		033
(1868)	1992 04	30.96806	15 31	37.46	-07 34	08.4	17.9	033
(1868)	1992 05	01.03056	15 31	35.73	-07 33	54.9		033
(1868)	1992 05	04.02500	15 30	14.51	-07 23	38.3		033
(1868)	1992 05	05.96944	15 29	20.87	-07 17	04.8		033
(1868)	1992 05	06.02917	15 29	19.07	-07 16	53.1		033
(2489)	1992 07	27.06146	00 27	49.48	+00 39	52.9	18.1	033
(2489)	1992 07	28.05764	00 28	00.29	+00 40	32.3		033
(2489)	1992 07	29.04271	00 28	09.77	+00 41	02.2		033
(2489)	1992 07	30.06389	00 28	18.09	+00 41	24.5		033
(2489)	1992 08	06.07222	00 28	37.24	+00 40	02.0		033
(2891)	1992 04	30.96806	15 22	47.37	-06 12	49.0	17.3	033
(2891)	1992 05	01.03056	15 22	44.70	-06 12	38.5		033
(2891)	1992 05	04.02500	15 20	39.33	-06 04	31.0		033
(2891)	1992 05	05.96944	15 19	16.48	-05 59	29.9		033
(2891)	1992 05	06.02917	15 19	13.82	-05 59	20.7		033
(4143)	1992 07	27.06146	00 25	29.22	+00 07	30.1	18.0	033
(4143)	1992 07	28.05764	00 25	51.12	+00 08	32.7		033

(4143)	1992 07 29.04271	00 26 11.39	+00 09 24.8		033
(4143)	1992 07 30.06389	00 26 30.90	+00 10 09.6		033
(4143)	1992 08 06.07222	00 28 04.82	+00 10 52.6		033
(4193)	1992 07 27.06146	00 29 27.78	+01 28 37.5	17.8	033
(4193)	1992 07 28.05764	00 29 49.41	+01 29 49.0		033
(4193)	1992 07 29.04271	00 30 09.57	+01 30 51.8		033
(4193)	1992 07 30.06389	00 30 29.07	+01 31 47.5		033
(4193)	1992 08 06.07222	00 32 05.56	+01 33 59.6		033

046 Klet

J. Ticha, Hvezdarna Klet, CS-37001 Ceske Budejovice, Czech Republic

Observers Z. Moravec, J. Ticha, M. Tichy, Z. Vavrova

Measurers Z. Moravec, M. Tichy, Z. Vavrova

0.63-m Maksutov reflector, 0.57-m f/5 reflector

1962 SR	1991 08 13.89271	20 55 50.46	-08 37 38.0	16.7	046
1962 SR	1991 08 13.90694	20 55 49.52	-08 37 35.6		046
1991 RB8	1991 10 04.89954	00 54 29.45	+01 15 12.4		046
1991 RB8	1991 10 04.91354	00 54 28.71	+01 15 10.4		046
1992 LR	1992 08 27.87895	21 51 58.42	+05 25 43.1		046
1992 LR	1992 08 27.89179	21 52 01.02	+05 25 38.3		046
1992 SX12	1992 09 28.00590	01 11 16.58	+04 06 04.2	15.6	046
1992 SX12	1992 09 28.02014	01 11 15.86	+04 05 55.9		046
1992 YY3	* 1992 12 25.92932	03 42 06.98	+21 37 42.8	16.0	046
1992 YY3	1992 12 25.94222	03 42 06.54	+21 37 31.5		046
1992 YY3	1992 12 26.74668	03 41 22.51	+21 27 14.9		046
1992 YY3	1992 12 26.75831	03 41 21.83	+21 27 09.8		046
1992 YZ3	* 1992 12 25.96682	08 37 45.40	+18 16 27.5	15.5	E 046
1992 YZ3	1992 12 25.97446	08 37 44.38	+18 16 37.3		E 046
1992 YZ3	1992 12 26.92116	08 35 01.29	+18 36 06.5		046
1992 YZ3	1992 12 26.92619	08 35 00.36	+18 36 09.7		046
1992 YA4	* 1992 12 25.96682	08 46 26.37	+15 52 19.9	16.2	E 046
1992 YA4	1992 12 25.97446	08 46 25.78	+15 52 21.3		E 046
1992 YA4	1992 12 26.92116	08 44 56.39	+15 54 40.2		046
1992 YA4	1992 12 26.92619	08 44 55.92	+15 54 41.2		046
(650)	1992 12 15.86124	06 12 34.84	+19 39 48.2		046
(650)	1992 12 15.87571	06 12 33.74	+19 39 47.0		046
(694)	1992 11 24.85035	04 17 54.26	+14 41 49.7		046
(694)	1992 11 24.86458	04 17 53.42	+14 41 40.6		046
(694)	1992 11 27.82124	04 14 51.91	+14 11 39.9		g 046
(694)	1992 11 27.82836	04 14 51.48	+14 11 35.5		g 046
(918)	1992 09 27.90260	01 03 51.35	+22 28 14.4		046
(918)	1992 09 27.91707	01 03 50.61	+22 28 16.2		046
(1004)	1992 09 27.86800	01 02 03.42	+03 40 59.0		046
(1004)	1992 09 27.88229	01 02 02.97	+03 40 56.4		046
(1004)	1992 09 28.00590	01 01 57.69	+03 40 19.9		046
(1004)	1992 09 28.02014	01 01 57.02	+03 40 14.4		046
(1030)	1992 09 25.94514	00 56 44.49	+04 47 40.1		E 046
(1030)	1992 09 25.96007	00 56 43.77	+04 47 36.7		E 046
(1030)	1992 09 27.86800	00 55 30.18	+04 33 17.7		046
(1030)	1992 09 27.88229	00 55 29.52	+04 33 15.0		046
(1052)	1992 12 15.86124	06 05 08.81	+21 31 08.3		046
(1052)	1992 12 15.87571	06 05 07.80	+21 31 12.0		046
(1100)	1992 09 18.81502	00 02 23.74	+01 42 43.8		E 046
(1100)	1992 09 18.82972	00 02 23.05	+01 42 40.8		E 046
(1354)	1992 09 28.00590	01 11 27.38	+05 07 05.4		046
(1354)	1992 09 28.02014	01 11 26.79	+05 07 03.8		046
(1666)	1992 12 15.86124	06 08 02.17	+23 00 51.7		046
(1666)	1992 12 15.87571	06 08 01.13	+23 00 51.2		046
(1762)	1992 09 28.00590	01 10 10.16	+05 21 33.8		046

(1762)	1992 09 28.02014	01 10 09.69	+05 21 29.8		046
(1854)	1992 09 27.86800	00 53 02.81	+05 31 16.2		046
(1854)	1992 09 27.88229	00 53 02.42	+05 31 12.6		046
(2002)	1992 09 27.86800	00 50 42.18	+02 34 39.7	E	046
(2002)	1992 09 27.88229	00 50 41.46	+02 34 29.4	E	046
(2258)	1992 09 27.83299	00 56 29.13	+08 18 12.7		046
(2258)	1992 09 27.84757	00 56 28.39	+08 18 10.5		046
(2322)	1992 09 25.94514	00 48 01.29	+05 40 34.3	I	046
(2322)	1992 09 25.96007	00 48 00.61	+05 40 27.7	I	046
(2459)	1992 09 27.93727	01 07 20.13	+13 01 53.8		046
(2459)	1992 09 27.95145	01 07 19.72	+13 01 48.5		046
(2590)	1992 12 15.80916	04 04 13.23	+15 28 24.1		046
(2590)	1992 12 15.82374	04 04 12.64	+15 28 20.9		046
(3179)	1992 09 27.86800	00 54 01.24	+05 15 47.3		046
(3179)	1992 09 27.88229	00 54 00.59	+05 15 44.0		046
(3180)	1992 09 27.83299	00 52 25.48	+08 47 52.4	16.5	046
(3180)	1992 09 27.84757	00 52 24.50	+08 47 53.1	I	046
(3316)	1992 09 27.97095	01 05 34.28	+08 24 03.0		046
(3316)	1992 09 27.98611	01 05 33.94	+08 23 58.2		046
(3455)	1992 09 27.86800	00 58 04.20	+03 44 54.6		046
(3455)	1992 09 27.88229	00 58 03.54	+03 44 54.0		046
(3584)	1992 09 27.83299	00 59 54.40	+09 40 17.3	16.5	046
(3584)	1992 09 27.84757	00 59 53.94	+09 40 12.3		046
(3584)	1992 09 27.97095	00 59 48.39	+09 39 46.2	16.5	046
(3584)	1992 09 27.98611	00 59 47.68	+09 39 43.8		046
(3761)	1992 09 27.79965	00 55 54.91	+12 53 15.5		046
(3761)	1992 09 27.81389	00 55 54.40	+12 53 06.3	I	046
(4179)	1992 12 25.96682	08 37 36.35	+16 22 03.6		046
(4179)	1992 12 25.97446	08 37 34.73	+16 22 14.2		046
(4179)	1992 12 25.98950	08 37 31.85	+16 22 33.7		046
(4179)	1992 12 26.83591	08 35 09.15	+16 39 54.8		046
(4179)	1992 12 26.83881	08 35 08.66	+16 39 57.5		046
(4179)	1992 12 26.84170	08 35 08.11	+16 40 01.1		046
(4179)	1992 12 26.84459	08 35 07.66	+16 40 06.3		046
(4179)	1992 12 26.92116	08 34 54.29	+16 41 41.1		046
(4179)	1992 12 26.92619	08 34 53.30	+16 41 48.4		046
(4179)	1992 12 29.97185	08 27 21.71	+17 34 12.3		046
(4179)	1992 12 29.97480	08 27 21.36	+17 34 14.7		046
(4179)	1992 12 29.97775	08 27 20.93	+17 34 17.3		046
(4179)	1992 12 29.98071	08 27 20.54	+17 34 20.2		046
(4179)	1992 12 31.01514	08 25 05.81	+17 49 15.9		046
(4179)	1992 12 31.01809	08 25 05.53	+17 49 18.3		046
(4179)	1992 12 31.02104	08 25 05.14	+17 49 20.2		046
(4179)	1992 12 31.02399	08 25 04.74	+17 49 23.3		046
(4237)	1992 09 28.00590	01 06 08.29	+05 17 15.1		046
(4237)	1992 09 28.02014	01 06 07.42	+05 17 09.6		046
(4532)	1992 09 27.97095	01 07 40.01	+08 48 41.8		046
(4532)	1992 09 27.98611	01 07 39.17	+08 48 32.5		046
(5359)	1992 09 28.00590	01 07 44.62	+04 15 59.4	15.8	046
(5359)	1992 09 28.02014	01 07 43.94	+04 15 54.4		046
(5372)	1992 09 27.86800	00 53 22.58	+02 22 53.0	16.5	046
(5372)	1992 09 27.88229	00 53 21.70	+02 22 57.5		046

071 Bulgarian National Observatory

V. G. Shkodrov, Department of Astronomy, Bulgarian Academy of Sciences,
72 Trakia Boulevard, BG-1784 Sofia, Bulgaria

Observers V. G. Shkodrov, V. G. Ivanova, Ch. Dinev, V. I. Umlenski,

1990 FN5	* 1990 03 22.81440	10 03 11.11	+15 54 45.1		071
1990 FN5	1990 03 22.84900	10 03 09.81	+15 54 47.1		071

1991 PK15	1991 08 13.01068	23 08 43.54	-03 47 01.4	071
1991 PK15	1991 08 13.04604	23 08 42.34	-03 46 59.7	071
1992 AC	1992 02 03.01348	09 55 21.51	+32 08 19.7	071
1992 AC	1992 02 03.05509	09 55 27.38	+32 11 00.9	071
(55)	1991 10 02.94676	00 55 45.35	+06 25 34.2	071
(70)	1992 04 27.94784	14 10 24.03	-08 33 03.1	071
(70)	1992 04 27.98064	14 10 21.93	-08 33 02.7	071
(93)	1991 12 04.89192	02 28 15.91	+24 09 17.4	071
(93)	1991 12 04.91373	02 28 15.02	+24 09 12.4	071
(110)	1992 04 27.83481	12 05 03.48	+06 02 31.3	071
(110)	1992 04 27.88051	12 05 02.08	+06 02 31.5	071
(147)	1992 09 01.88475	21 45 28.19	-10 31 04.7	071
(147)	1992 09 01.91678	21 45 26.75	-10 31 12.2	071
(149)	1991 12 05.01308	06 48 48.82	+21 21 32.6	071
(149)	1991 12 05.03808	06 48 47.60	+21 21 33.1	071
(175)	1990 03 22.81440	09 54 41.67	+15 55 11.3	071
(175)	1990 03 22.84900	09 54 40.64	+15 55 15.3	071
(175)	1990 03 23.82731	09 54 12.42	+15 56 48.1	071
(175)	1990 03 23.86539	09 54 11.34	+15 56 51.6	071
(227)	1992 02 02.99202	10 21 45.90	+10 33 56.4	071
(227)	1992 02 03.03293	10 21 44.01	+10 33 59.9	071
(231)	1990 03 20.83299	09 30 53.58	+17 08 10.4	071
(231)	1990 03 21.81926	09 30 25.72	+17 08 28.5	071
(236)	1992 04 27.94784	14 21 00.98	-08 03 26.4	071
(236)	1992 04 27.98064	14 20 59.38	-08 03 14.5	071
(264)	1992 04 27.94784	14 26 37.24	-11 09 01.0	071
(264)	1992 04 27.98064	14 26 35.54	-11 08 57.3	071
(273)	1992 04 27.86670	12 11 57.73	+18 35 27.1	071
(273)	1992 04 27.91068	12 11 56.73	+18 35 39.2	071
(299)	1992 09 01.83437	20 35 15.01	-16 02 30.1	071
(299)	1992 09 01.86725	20 35 14.15	-16 02 32.7	071
(313)	1992 04 26.81059	10 57 55.18	+09 31 57.1	071
(313)	1992 04 26.83160	10 57 55.68	+09 32 01.0	071
(317)	1990 03 20.83299	09 23 07.28	+15 26 35.8	071
(317)	1990 03 21.81926	09 22 44.67	+15 29 01.0	071
(324)	1991 08 13.03013	23 26 52.40	-00 41 10.6	071
(324)	1991 08 13.06028	23 26 51.54	-00 40 54.9	071
(375)	1990 03 22.81440	09 54 38.77	+13 00 40.9	071
(375)	1990 03 22.84900	09 54 37.55	+13 00 40.8	071
(375)	1990 03 23.82731	09 54 04.01	+13 00 13.5	071
(375)	1990 03 23.86539	09 54 02.65	+13 00 12.4	071
(396)	1992 04 27.92521	14 16 49.71	-16 10 43.7	071
(396)	1992 04 27.95843	14 16 47.80	-16 10 32.6	071
(461)	1990 03 22.81440	09 51 37.65	+12 58 55.0	071
(461)	1990 03 22.84900	09 51 36.93	+12 59 01.7	071
(461)	1990 03 23.86539	09 51 15.07	+13 01 25.6	071
(495)	1990 03 20.83299	09 25 15.24	+13 14 34.3	071
(495)	1990 03 21.81926	09 24 54.93	+13 17 26.8	071
(534)	1992 04 25.93484	12 48 20.44	-00 09 53.5	071
(534)	1992 04 25.96678	12 48 19.24	-00 09 47.6	071
(556)	1992 09 01.88475	21 46 18.57	-07 06 20.5	071
(556)	1992 09 01.91678	21 46 16.84	-07 06 28.3	071
(556)	1992 09 01.94213	21 46 15.48	-07 06 33.8	071
(583)	1991 12 05.01308	06 51 58.86	+19 56 13.6	071
(583)	1991 12 05.03808	06 51 57.99	+19 56 09.0	071
(659)	1990 03 22.81440	09 51 09.93	+14 57 22.2	071
(659)	1990 03 22.84900	09 51 09.27	+14 57 24.7	071
(659)	1990 03 23.82731	09 50 49.68	+14 58 30.8	071
(659)	1990 03 23.86539	09 50 48.91	+14 58 33.6	071

(830)	1991 10 02.94676	00 53 11.93	+08 55 40.6	071
(830)	1991 10 02.98819	00 53 10.02	+08 55 31.6	071
(914)	1992 04 28.05125	18 39 19.17	-24 41 52.4	071
(914)	1992 04 28.07006	18 39 19.66	-24 41 36.8	071
(936)	1990 03 22.81440	09 59 57.62	+15 31 54.7	071
(936)	1990 03 22.84900	09 59 56.52	+15 31 59.8	071
(936)	1990 03 23.82731	09 59 27.01	+15 33 59.6	071
(936)	1990 03 23.86539	09 59 25.88	+15 34 03.9	071
(1074)	1991 12 05.01308	06 48 22.93	+23 57 46.6	071
(1098)	1992 02 02.99202	10 32 55.61	+09 38 19.7	071
(1098)	1992 02 03.03293	10 32 53.31	+09 38 20.2	071
(1159)	1990 03 22.81440	10 00 22.91	+15 11 37.2	071
(1159)	1990 03 22.84900	10 00 21.43	+15 11 32.1	071
(1159)	1990 03 23.82731	09 59 39.41	+15 09 09.6	071
(1159)	1990 03 23.86539	09 59 37.69	+15 09 03.4	071
(1274)	1991 08 12.94720	21 24 30.33	-16 27 01.4	071
(1274)	1991 08 12.98759	21 24 26.93	-16 27 09.4	071
(1487)	1990 03 22.81440	10 05 31.71	+15 04 04.8	071
(1487)	1990 03 22.84900	10 05 30.71	+15 04 07.9	071
(1487)	1990 03 23.82731	10 05 02.97	+15 06 18.0	071
(1487)	1990 03 23.86539	10 05 01.77	+15 06 22.8	071
(1503)	1992 09 01.88475	21 46 19.42	-08 43 02.2	071
(1503)	1992 09 01.91678	21 46 17.63	-08 43 06.4	071
(1503)	1992 09 01.94213	21 46 16.16	-08 43 07.6	071
(1642)	1990 03 22.81440	09 50 48.44	+13 20 09.7	071
(1642)	1990 03 22.84900	09 50 47.38	+13 20 07.9	071
(1642)	1990 03 23.82731	09 50 16.51	+13 18 29.2	071
(1642)	1990 03 23.86539	09 50 15.38	+13 18 23.7	071
(1719)	1991 08 12.94720	21 08 55.76	-19 57 39.2	071
(1719)	1991 08 12.98759	21 08 52.74	-19 57 28.9	071
(2222)	1990 03 22.81440	10 03 46.53	+15 23 04.5	071
(2222)	1990 03 22.84900	10 03 45.63	+15 23 08.1	071
(2222)	1990 03 23.82731	10 03 19.48	+15 25 01.1	071
(2222)	1990 03 23.86539	10 03 18.39	+15 25 06.1	071
(2442)	1991 10 02.94676	01 08 22.59	+06 39 33.9	071
(2442)	1991 10 02.98819	01 08 20.34	+06 39 12.3	071
(2742)	1990 03 22.81440	09 56 43.26	+15 12 28.9	071
(2742)	1990 03 22.84900	09 56 42.10	+15 12 35.0	071
(2742)	1990 03 23.82731	09 56 15.93	+15 15 01.2	071
(2742)	1990 03 23.86539	09 56 14.90	+15 15 07.1	071
(3285)	1991 12 04.89192	02 40 22.41	+21 50 22.7	071
(3285)	1991 12 04.91373	02 40 21.97	+21 49 57.2	071
(3899)	1990 03 22.81440	09 54 15.05	+16 39 14.1	071
(3899)	1990 03 23.82731	09 53 49.24	+16 40 45.6	071
(3899)	1990 03 23.86539	09 53 48.20	+16 40 50.3	071
(4118)	1992 09 01.91678	21 39 33.37	-08 31 00.3	071
(4118)	1992 09 01.94213	21 39 32.17	-08 31 01.7	071
(4628)	1991 12 05.01308	07 00 32.52	+24 02 31.2	071
(4628)	1991 12 05.03808	07 00 31.37	+24 02 25.2	071
(5097)	1991 08 12.94720	21 16 21.95	-17 47 18.5	071
(5097)	1991 08 12.98759	21 16 19.87	-17 47 33.9	071

104 San Marcello Pistoiese

L. Tesi, Osservatorio di Pian dei Termini, Viale Panoramico 45, I-51028

San Marcello Pistoiese (PT), Italy

Observers L. Tesi, P. Gigli

Measurers L. Tesi, G. Cattani

(5176)	1992 11 20.91840	03 08 38.47	+07 19 57.1	104
(5176)	1992 11 20.93368	03 08 37.49	+07 19 59.4	104

107 Cavezzo

R. Calanca, Osservatorio Astronomico G. Montanari, Via Concordia 200,
I-41032 Cavezzo, Modena, Italy

Observers R. Calanca, F. Calzolari

0.40-m f/2.23 reflector + CCD

GSC

(4179)	1992 12 26.90570	08 34 57.28	+16 41 28.2	107
(4179)	1992 12 26.91413	08 34 55.90	+16 41 36.1	107
(4179)	1992 12 26.92259	08 34 54.36	+16 41 46.4	107
(4179)	1992 12 26.92856	08 34 53.28	+16 41 55.4	107
(4179)	1992 12 26.94955	08 34 49.50	+16 42 21.7	107
(4179)	1992 12 26.97320	08 34 45.17	+16 42 49.4	107
(4179)	1992 12 26.99420	08 34 41.36	+16 43 15.6	107
(4179)	1992 12 29.03235	08 29 30.47	+17 19 35.5	107
(4179)	1992 12 29.05678	08 29 26.46	+17 19 59.6	107

293 Burlington remote site

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

0.26-m f/3.9 Wright-Schmidt camera

SAOC

1978 ON	1992 08 30.34931	23 35 21.14	-06 34 52.5	293
(3314)	1992 08 30.34931	23 35 30.02	-06 25 05.9	293

364 JCPM Kagoshima Station

M. Takeishi, Odori 4, Hamatonbetsu Esashigun, Hokkaido 098-57, Japan

Observer M. Mukai

Measurer M. Takeishi

0.25-m f/4.2 Wright-Schmidt telescope

GSC

1988 VJ2	1992 11 01.58646	03 21 17.18	+15 39 43.8	17	364
1988 VJ2	1992 11 01.60035	03 21 16.79	+15 39 36.0		364

365 Uto Observatory

F. Uto, Mise Machi 2340-1, Kasihara, Nara-Ken 634, Japan

0.20-m f/4.0 reflector

PPM

1992 VF	1992 11 27.61134	03 56 58.33	+16 11 44.3	365
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366 Miyasaka Observatory

S. Miyasaka, 3-8-501, 4 Chome, Nagayama, Tama, Tokyo 206, Japan

0.25-m reflector

PPM

1988 VZ2	1992 10 27.63139	02 46 53.49	+27 56 44.1	366
1988 VZ2	1992 10 27.65340	02 46 52.37	+27 56 37.5	366
1988 VZ2	1992 11 21.58894	02 26 17.79	+24 31 59.0	366
1988 VZ2	1992 11 21.60884	02 26 16.79	+24 31 47.3	366
1992 UT5	1992 11 27.62597	02 55 18.14	+15 39 00.2	366
1992 UT5	1992 11 27.64570	02 55 17.31	+15 38 56.9	366

367 Yatsuka

S. Miyasaka, 3-8-501, 4 Chome, Nagayama, Tama, Tokyo 206, Japan

Observer H. Abe

Measurer S. Miyasaka

0.26-m reflector

PPM

1979 KO	1992 11 02.67847	05 01 22.41	+02 25 08.5	367
1979 KO	1992 11 02.69931	05 01 21.84	+02 25 08.2	367
1979 KO	1992 11 17.59167	04 51 21.55	+02 38 42.5	367
1979 KO	1992 11 17.59930	04 51 21.10	+02 38 43.3	367

1979 KO	1992 11	18.59861	04 50	31.88	+02 40	53.1	367
1979 KO	1992 11	18.61945	04 50	30.85	+02 40	56.1	367
1988 VZ2	1992 11	02.63403	02 41	44.00	+27 18	14.3	367
1988 VZ2	1992 11	02.64722	02 41	43.21	+27 18	08.4	367
1988 VZ2	1992 11	02.66806	02 41	42.04	+27 18	00.3	367
1988 VZ2	1992 11	17.55764	02 29	07.56	+25 10	40.9	367
1988 VZ2	1992 11	17.57847	02 29	06.50	+25 10	30.0	367
1988 VZ2	1992 11	18.56667	02 28	22.87	+25 01	04.4	367
1988 VZ2	1992 11	18.58750	02 28	21.88	+25 00	52.0	367
1992 UY4	1992 11	28.56597	03 31	59.22	+27 28	11.5	367
1992 UY4	1992 11	28.57639	03 31	58.95	+27 28	05.3	367
1992 UY4	1992 11	30.55416	03 31	15.34	+27 06	26.8	367
1992 UY4	1992 11	30.56458	03 31	15.26	+27 06	21.0	367
(2486)	1992 11	02.63403	02 43	19.12	+27 04	10.3	367
(2486)	1992 11	02.64722	02 43	18.02	+27 04	10.6	367
(2486)	1992 11	02.66806	02 43	16.44	+27 04	09.9	367

372 Geisei

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

0.60-m f/3.5 reflector

ACRS

1983 AW	1992 12	21.69236	08 04	13.52	+13 00	32.0	16.5	372
1983 AW	1992 12	21.70485	08 04	13.05	+13 00	31.2		372
1983 AW	1992 12	23.62535	08 03	11.72	+12 59	10.3	16	372
1983 AW	1992 12	23.63750	08 03	11.15	+12 59	10.3		372
1983 AW	1992 12	25.67708	08 01	56.89	+12 58	35.9	16.5	372
1988 RD	1990 03	25.65382	11 57	45.94	+04 33	22.8	17	372
1988 RD	1990 03	25.66459	11 57	45.33	+04 33	16.6		372
1989 CF	1992 12	21.69236	08 01	27.29	+12 44	23.6	16.5	372
1989 CF	1992 12	23.62535	08 00	16.18	+12 55	06.0	16.5	372
1990 FO5	* 1990 03	25.65382	11 58	43.53	+03 51	17.5	17.5	372
1990 FO5	1990 03	25.66459	11 58	42.73	+03 51	19.4		372
1990 HK	1992 10	25.70800	04 08	34.94	+09 50	30.7	17	372
1990 HK	1992 10	25.72049	04 08	34.70	+09 50	27.1		372
1990 HK	1992 12	21.56111	03 24	40.91	+04 19	10.8	16.5	372
1990 HK	1992 12	23.51666	03 23	50.54	+04 17	28.5		372
1990 KU3	* 1990 05	28.61215	15 26	11.59	-17 11	17.8	17	372
1990 KU3	1990 05	28.62326	15 26	10.58	-17 11	14.2		372
1991 EK4	1991 03	06.62274	10 32	17.02	+06 45	10.3	17	372
1991 EK4	1991 03	06.62500	10 32	16.09	+06 45	15.5		372
1991 EA8	* 1991 03	09.61285	11 47	49.89	+03 39	56.0	18	372
1991 EA8	1991 03	09.62326	11 47	49.28	+03 39	48.3		372
1991 FL6	* 1991 03	16.63333	14 58	11.98	-14 07	32.0	17.5	372
1991 FL6	1991 03	16.64514	14 58	11.27	-14 07	26.7		372
1991 FM6	* 1991 03	17.65104	11 10	45.41	+13 20	08.5	16.5	372
1991 FM6	1991 03	17.66111	11 10	44.80	+13 20	13.4		372
1991 FN6	* 1991 03	17.67188	12 20	29.70	+00 13	05.9	16.5	372
1991 FN6	1991 03	17.68299	12 20	29.06	+00 13	09.4		372
1991 JU	1992 12	21.53819	02 42	20.28	+17 02	54.5	17	372
1991 JU	1992 12	23.49514	02 41	50.71	+17 06	01.4	17	372
1991 JB6	1991 05	16.63333	14 58	43.07	-14 47	03.7	18	372
1991 JB6	1991 05	16.64514	14 58	42.51	-14 47	02.2		372
1991 OL1	1992 12	17.54740	03 55	12.50	+17 24	21.9	17	372
1991 OL1	1992 12	17.55885	03 55	12.08	+17 24	23.0		372
1991 OL1	1992 12	21.60521	03 52	49.73	+17 22	18.0	18	372
1991 OL1	1992 12	21.61632	03 52	49.51	+17 22	20.0		372
1992 UY4	1992 12	03.72292	03 30	24.16	+26 34	15.2	17.5	372
1992 UY4	1992 12	03.73333	03 30	23.98	+26 34	09.1		372
1992 UO8	* 1992 10	27.67222	03 06	06.49	+21 27	42.3	17.5	372

1992 UO8		1992 10	27.68403	03 06	05.60	+21	27	37.4		372
1992 WU		1992 12	03.67708	03 30	54.43	+17	04	22.8	16.5	372
1992 WU		1992 12	03.68715	03 30	54.11	+17	04	18.0		372
1992 WV		1992 11	27.48333	03 37	14.07	+17	12	33.4	16.5	372
1992 WV		1992 11	27.49167	03 37	13.61	+17	12	32.5		372
1992 WT1		1992 12	01.71458	04 13	17.85	+17	02	21.2	16	372
1992 WT1		1992 12	01.72465	04 13	17.29	+17	02	22.9		372
1992 WS4		1992 11	29.55764	03 12	55.72	+26	01	23.7	16.5	372
1992 WS4		1992 11	29.56840	03 12	54.88	+26	01	24.7		372
1992 WS4		1992 12	01.66181	03 10	56.80	+26	00	26.9	16.5	372
1992 WS4		1992 12	03.70035	03 09	08.58	+25	59	17.9	17	372
1992 WS4		1992 12	03.71111	03 09	07.65	+25	59	17.4		372
1992 WN5	*	1992 11	27.49861	04 13	30.32	+17	12	20.9	17	372
1992 WN5		1992 11	27.50764	04 13	29.82	+17	12	19.7		372
1992 WN5		1992 12	01.71458	04 09	40.10	+17	03	18.3	17	372
1992 WN5		1992 12	01.72465	04 09	39.43	+17	03	17.5		372
1992 WO5	*	1992 11	27.49861	04 14	52.29	+17	11	58.8	17	372
1992 WO5		1992 11	27.50764	04 14	51.65	+17	11	57.2		372
1992 WO5		1992 12	01.71458	04 10	13.73	+17	08	38.7	16	372
1992 WO5		1992 12	01.72465	04 10	13.04	+17	08	37.5		372
1992 WO5		1992 12	03.63819	04 08	09.56	+17	07	23.4	16.5	372
1992 WO5		1992 12	03.64792	04 08	08.75	+17	07	20.8		372
1992 WO5		1992 12	16.62708	03 55	41.50	+17	04	24.7	17	372
1992 WO5		1992 12	16.63750	03 55	40.85	+17	04	26.8		372
1992 WO5		1992 12	17.54740	03 54	57.18	+17	04	43.0	17	372
1992 WO5		1992 12	17.55885	03 54	56.54	+17	04	44.0		372
1992 WO5		1992 12	21.58299	03 51	58.69	+17	06	41.9	17	372
1992 WO5		1992 12	21.59410	03 51	58.08	+17	06	45.3		372
1992 WP5	*	1992 11	27.49861	04 17	19.28	+17	34	44.2	16.5	372
1992 WP5		1992 11	27.50764	04 17	18.69	+17	34	42.2		372
1992 WP5		1992 12	01.71458	04 12	27.15	+17	28	13.9	16	372
1992 WP5		1992 12	01.72465	04 12	26.65	+17	28	12.8		372
1992 WP5		1992 12	03.63819	04 10	16.48	+17	25	25.8	16.5	372
1992 WP5		1992 12	03.64792	04 10	15.65	+17	25	25.5		372
1992 WP5		1992 12	16.62708	03 56	56.75	+17	11	44.2	17	372
1992 WP5		1992 12	16.63750	03 56	56.19	+17	11	44.2		372
1992 WP5		1992 12	21.58299	03 52	51.07	+17	09	41.2	17	372
1992 WP5		1992 12	21.59410	03 52	50.53	+17	09	43.9		372
1992 WP5		1992 12	21.60521	03 52	49.90	+17	09	38.2	18	372
1992 WP5		1992 12	21.61632	03 52	49.61	+17	09	43.1		372
1992 WQ5	*	1992 11	27.51771	04 17	18.19	+15	55	13.6	17	372
1992 WQ5		1992 11	27.52813	04 17	17.76	+15	55	14.6		372
1992 WQ5		1992 12	01.69566	04 15	00.64	+15	38	49.5	17	372
1992 WQ5		1992 12	01.70538	04 14	59.97	+15	38	48.5		372
1992 WT5	*	1992 11	29.55764	03 13	48.63	+25	44	39.7	17.5	372
1992 WT5		1992 11	29.56840	03 13	47.99	+25	44	40.6		372
1992 WT5		1992 12	01.66181	03 11	34.74	+25	46	33.9	17.5	372
1992 WU5	*	1992 11	29.55764	03 13	51.46	+25	46	30.9	17.5	372
1992 WU5		1992 11	29.56840	03 13	50.48	+25	46	29.4		372
1992 WU5		1992 12	01.66181	03 11	49.91	+25	44	14.3		372
1992 YP	*	1992 12	16.64826	04 48	16.54	+16	21	23.2	17	372
1992 YP		1992 12	16.65868	04 48	15.84	+16	21	23.9		372
1992 YP		1992 12	17.59618	04 47	19.44	+16	23	43.7	16.5	372
1992 YP		1992 12	17.60659	04 47	18.68	+16	23	43.0		372
1992 YP		1992 12	21.64896	04 43	26.63	+16	34	37.9	17	372
1992 YP		1992 12	21.65938	04 43	26.22	+16	34	39.4		372
1992 YP		1992 12	25.63194	04 40	02.38	+16	46	36.1	17	372
1992 YP		1992 12	25.64271	04 40	01.75	+16	46	38.9		372
1992 YQ	*	1992 12	17.52188	03 33	01.60	+24	51	03.0	18.5	372

1992 YQ		1992 12 17.53438	03 33 00.90	+24 51 01.9			372
1992 YQ		1992 12 21.62743	03 28 30.21	+24 37 26.6	18		372
1992 YQ		1992 12 21.63750	03 28 29.48	+24 37 25.1			372
1992 YR	*	1992 12 17.59618	04 44 47.41	+16 30 04.7	18		372
1992 YR		1992 12 17.60659	04 44 46.98	+16 30 04.7			372
1992 YR		1992 12 21.64896	04 41 36.56	+16 28 00.2	18		372
1992 YR		1992 12 21.65938	04 41 36.21	+16 28 00.8			372
1992 YS	*	1992 12 17.59618	04 48 19.04	+17 02 30.9	17		372
1992 YS		1992 12 17.60659	04 48 18.15	+17 02 35.1			372
1992 YS		1992 12 21.64896	04 44 22.17	+17 09 10.2	17		372
1992 YS		1992 12 21.65938	04 44 21.65	+17 09 14.4			372
1992 YS		1992 12 23.56285	04 42 38.84	+17 12 43.1	17		372
1992 YS		1992 12 23.57326	04 42 38.88	+17 12 44.7			372
1992 YS		1992 12 25.63194	04 40 53.28	+17 16 48.9	17		372
1992 YS		1992 12 25.64271	04 40 52.93	+17 16 52.7			372
1992 YW	*	1992 12 21.69236	08 03 06.60	+12 22 07.6	17		372
1992 YW		1992 12 21.70485	08 03 06.11	+12 22 07.6			372
1992 YW		1992 12 23.62535	08 01 37.80	+12 27 21.2	17		372
1992 YW		1992 12 23.63750	08 01 37.30	+12 27 24.3			372
1992 YW		1992 12 25.67708	07 59 57.46	+12 33 36.9			372
1992 YX	*	1992 12 21.69236	08 03 29.74	+13 17 32.8	17		372
1992 YX		1992 12 21.70485	08 03 29.03	+13 17 34.9			372
1992 YX		1992 12 23.62535	08 02 07.53	+13 18 10.6	17		372
1992 YX		1992 12 23.63750	08 02 06.87	+13 18 13.2			372
1992 YZ	*	1992 12 21.74479	08 47 08.51	+15 26 16.5	18		372
1992 YZ		1992 12 21.75868	08 47 08.38	+15 26 15.8			372
1992 YZ		1992 12 23.64931	08 45 50.38	+15 34 17.2	17.5		372
1992 YZ		1992 12 23.66111	08 45 50.02	+15 34 19.8			372
1992 YA1		1992 12 21.66997	04 42 26.15	+17 52 53.9	17.5		372
1992 YA1		1992 12 21.68021	04 42 25.76	+17 52 54.8			372
1992 YA1	*	1992 12 23.56285	04 41 00.19	+17 52 07.7	17		372
1992 YA1		1992 12 23.57326	04 40 59.73	+17 52 07.2			372
1992 YA1		1992 12 25.60903	04 39 34.14	+17 51 42.4	17		372
1992 YA1		1992 12 25.62079	04 39 33.61	+17 51 42.3			372
1992 YX2	*	1992 12 17.54740	03 53 02.34	+17 45 49.8	17		372
1992 YX2		1992 12 17.55885	03 53 01.88	+17 45 48.8			372
1992 YX2		1992 12 28.52465	03 46 00.99	+17 31 18.0	18		372
1992 YX2		1992 12 28.53646	03 46 00.69	+17 31 18.0			372
1992 YY2	*	1992 12 28.57569	06 02 36.71	+20 56 11.9	18		372
1992 YY2		1992 12 28.58924	06 02 35.79	+20 56 04.3			372
1992 YY2		1992 12 29.55295	06 01 33.51	+20 50 19.3	18		372
1992 YY2		1992 12 31.68333	05 59 17.44	+20 37 27.7	18.5		372
1992 YZ2	*	1992 12 28.60347	06 07 33.68	+20 56 34.4	17.5		372
1992 YZ2		1992 12 28.61771	06 07 32.92	+20 56 37.2			372
1992 YZ2		1992 12 29.56666	06 06 35.06	+20 58 34.4	17.5		372
1992 YZ2		1992 12 31.69618	06 04 26.68	+21 02 54.4	17.5		372
1992 YB4	*	1992 12 29.61493	07 27 55.17	+27 55 28.7	17		372
1992 YB4		1992 12 31.71388	07 25 41.87	+28 00 01.0	17		372
1992 YC4	*	1992 12 29.61493	07 28 57.93	+27 27 57.4	17.5		372
1992 YC4		1992 12 31.71388	07 26 48.91	+27 31 09.2	17.5		372
1992 YE4	*	1992 12 25.71285	08 06 43.67	+15 41 49.6	17		372
1992 YE4		1992 12 25.72396	08 06 43.17	+15 41 50.9			372
1992 YE4		1992 12 31.73229	08 01 30.50	+16 02 32.4	17.5		372
1992 YE4		1992 12 31.74271	08 01 29.71	+16 02 35.7			372
1992 YE4		1993 01 02.65729	07 59 42.08	+16 09 55.5	17.5		372
1992 YE4		1993 01 02.66972	07 59 41.30	+16 09 57.6			372
(383)		1990 05 28.61215	15 29 09.42	-16 44 34.5	16		372
(383)		1990 05 28.62326	15 29 08.92	-16 44 35.2			372
(727)		1991 04 09.75555	14 30 10.01	+08 29 00.6	16		372

(727)	1991 04	09.76528	14 30	09.44	+08 29	02.8		372
(781)	1991 02	10.81319	14 45	50.44	+04 07	56.6	16	372
(781)	1991 02	10.82153	14 45	50.83	+04 07	58.8		372
(1994)	1992 12	28.52465	03 45	11.17	+18 07	42.1	16.5	372
(1994)	1992 12	28.53646	03 45	10.96	+18 07	38.4		372
(2098)	1993 01	02.82604	09 22	08.85	+21 00	12.1	16.5	372
(2098)	1993 01	02.83646	09 22	08.41	+21 00	13.2		372
(2182)	1990 12	27.73299	09 21	11.00	+18 32	30.6	17	372
(2182)	1990 12	27.74566	09 21	10.69	+18 32	32.1		372
(2379)	1991 03	20.73646	12 47	41.20	-04 41	37.6	16	372
(2379)	1991 03	20.74688	12 47	40.84	-04 41	36.7		372
(4026)	1992 12	01.69566	04 17	35.68	+16 00	07.4	16.5	372
(4026)	1992 12	01.70538	04 17	34.93	+16 00	06.1		372
(4538)	1992 12	23.56285	04 44	53.16	+17 40	42.3	16	372
(4538)	1992 12	23.57326	04 44	52.58	+17 40	39.6		372
(4538)	1992 12	24.63438	04 44	01.33	+17 38	24.5	16	372
(4538)	1992 12	25.60903	04 43	15.83	+17 36	29.4	16	372
(4538)	1992 12	25.62079	04 43	15.28	+17 36	27.5		372

376 Uenohara

N. Kawasato, 3-11-10, Hana-Koganei, Kodaira, Tokyo 187, Japan
0.30-m reflector + CCD

GSC

1988 VJ2	1992 11	02.61632	03 20	46.73	+15 30	17.3		376
1988 VJ2	1992 11	02.62951	03 20	46.19	+15 30	10.9		376
1988 VJ2	1992 11	02.64271	03 20	45.83	+15 30	02.5		376
1988 VJ2	1992 11	02.65590	03 20	45.42	+15 29	57.0		376
1992 UN2	1992 11	21.56991	02 36	47.45	+15 22	22.4		376
1992 UN2	1992 11	21.57731	02 36	47.01	+15 22	21.4		376
1992 UN2	1992 11	29.46065	02 31	27.00	+15 17	53.7		376
1992 UN2	1992 11	29.49184	02 31	25.89	+15 17	54.4		376
1992 UX2	1992 11	21.55173	02 33	05.31	+11 21	50.4		376
1992 UX2	1992 11	21.55845	02 33	05.07	+11 21	47.1		376
1992 UX2	1992 11	29.43889	02 28	30.57	+10 37	26.5	M	376
1992 UX2	1992 11	29.45046	02 28	30.09	+10 37	21.3	M	376
1992 UY2	1992 11	21.58530	02 40	35.76	+11 41	34.8	M	376
1992 UY2	1992 11	21.59259	02 40	35.44	+11 41	33.5	M	376
1992 UZ2	1992 11	22.47448	02 41	47.05	+13 51	10.5		376
1992 UZ2	1992 11	22.48247	02 41	46.67	+13 51	09.8		376
1992 UZ2	1992 11	29.54253	02 36	46.84	+13 38	07.1	M	376
1992 UY4	1992 12	04.68924	03 30	13.82	+26 25	04.5		376
1992 UY4	1992 12	04.70150	03 30	13.60	+26 24	59.4		376
1992 UH6	1992 11	22.57326	03 15	39.59	+16 02	03.6		376
1992 UH6	1992 11	22.58067	03 15	39.04	+16 02	04.3		376
1992 UH6	1992 12	04.62095	03 04	23.00	+16 22	02.6		376
1992 UH6	1992 12	04.63229	03 04	22.44	+16 22	04.8		376
1992 UJ6	1992 11	22.58906	03 22	58.35	+11 15	13.8		376
1992 UJ6	1992 11	22.59618	03 22	57.98	+11 15	11.1		376
1992 UJ6	1992 12	04.59769	03 14	30.65	+10 02	51.2	M	376
1992 UJ6	1992 12	04.60845	03 14	30.20	+10 02	45.1	M	376
1992 VC	1992 11	22.49398	02 59	47.62	+15 42	14.8		376
1992 VC	1992 11	22.50382	02 59	46.95	+15 42	16.0		376
1992 VC	1992 11	29.58872	02 52	55.38	+15 51	18.3	M	376
1992 VC	1992 11	29.59907	02 52	54.62	+15 51	19.8	M	376
1992 VD	1992 11	21.64826	03 08	42.83	+15 02	57.6		376
1992 VD	1992 11	21.65810	03 08	42.21	+15 02	57.0		376
1992 VD	1992 11	29.61152	03 01	51.39	+14 48	47.6		376
1992 VD	1992 11	29.62025	03 01	50.99	+14 48	48.3		376
1992 WS4	1992 12	12.39549	03 02	49.95	+25 53	22.3	M	376

1992 WS4		1992 12	12.40966	03 02	49.48	+25 53	22.1		M	376
1992 WW5	*	1992 11	18.59861	03 19	56.94	+15 54	21.7	18		376
1992 WW5		1992 11	18.60972	03 19	56.39	+15 54	19.3			376
1992 WW5		1992 11	21.66759	03 17	16.06	+15 43	23.0			376
1992 WW5		1992 11	21.67726	03 17	15.56	+15 43	21.5			376
1992 WW5		1992 11	22.53061	03 16	31.67	+15 40	20.7		M	376
1992 WW5		1992 11	22.53958	03 16	31.41	+15 40	19.6		M	376
1992 WW5		1992 11	29.63021	03 10	46.40	+15 17	05.9			376
1992 WW5		1992 11	29.63831	03 10	45.98	+15 17	04.1			376
(724)		1992 12	15.61921	06 25	51.00	+02 13	51.6			376
(724)		1992 12	15.62627	06 25	50.66	+02 13	50.3			376
(724)		1992 12	25.64201	06 16	17.76	+01 43	00.4			376
(724)		1992 12	25.65046	06 16	17.20	+01 43	00.2			376
(2090)		1992 12	04.76146	07 13	53.84	+36 54	17.1			376
(2090)		1992 12	04.77581	07 13	53.10	+36 54	20.2			376

385 Nihondaira Observatory Oohira station

T. Urata, 6-1, Muramatsuhara 1 Chome, Shimizu, Shizuoka-Ken 424, Japan

0.25-m f/3.4 hyperboloid astrocamera + CCD

GSC

1990 DX		1992 12	30.50174	04 06	05.23	+25 30	15.1			385
1990 DX		1992 12	30.50660	04 06	05.09	+25 30	14.7			385
1990 DX		1992 12	30.51076	04 06	04.80	+25 30	13.3			385
1992 UX		1992 11	23.54583	02 07	01.39	+07 33	15.7	17		385
1992 UX		1992 11	23.55382	02 07	01.14	+07 33	16.7			385
1992 UY		1992 11	23.56215	02 18	53.86	+03 53	45.0	17		385
1992 UY		1992 11	23.57708	02 18	53.37	+03 53	42.5			385
1992 UZ		1992 11	23.54583	02 11	49.28	+07 03	06.9	16		385
1992 UZ		1992 11	23.55382	02 11	48.88	+07 03	09.9			385
1992 UB2		1992 12	16.49867	01 42	04.14	+04 23	09.3	17.5		385
1992 UB2		1992 12	16.51181	01 42	04.65	+04 23	13.2			385
1992 UD2		1992 11	24.56597	01 56	06.75	+14 45	13.6	16.3		385
1992 UD2		1992 12	14.44236	01 43	09.03	+20 37	39.4	17		385
1992 UD2		1992 12	14.45417	01 43	08.98	+20 37	51.2			385
1992 UF6		1992 11	26.59167	03 25	35.59	+25 41	05.9	16		385
1992 UF6		1992 11	26.60122	03 25	34.87	+25 41	02.1			385
1992 WO3		1992 12	17.60972	05 34	00.80	-09 18	22.4	16		385
1992 WO3		1992 12	17.61806	05 34	00.34	-09 18	30.2			385
1992 XB		1992 11	23.58576	05 35	40.47	+24 21	02.6	16.5		385
1992 XB		1992 11	23.60139	05 35	39.64	+24 20	57.4			385
1992 YA	*	1992 12	16.61319	06 36	58.64	+14 16	11.8	17.3		385
1992 YA		1992 12	16.62031	06 36	58.13	+14 16	12.1			385
1992 YA		1992 12	17.65208	06 35	52.36	+14 17	01.2	17.3		385
1992 YA		1992 12	17.66111	06 35	51.68	+14 17	04.9			385
1992 YB	*	1992 12	16.61319	06 37	01.78	+14 13	43.4	17.3		385
1992 YB		1992 12	16.62031	06 37	01.38	+14 13	43.7			385
1992 YB		1992 12	17.65208	06 35	59.11	+14 16	08.3	17		385
1992 YB		1992 12	17.66111	06 35	58.46	+14 16	10.4			385
1992 YM	*	1992 12	24.73553	06 58	29.93	+18 44	01.3	16.5		385
1992 YM		1992 12	24.75417	06 58	28.75	+18 44	11.2			385
1992 YN	*	1992 12	24.73553	06 59	22.88	+19 29	16.5	16.5		385
1992 YN		1992 12	24.75417	06 59	21.74	+19 29	15.4			385
1992 YU2	*	1992 12	26.63125	07 32	42.03	+15 12	43.2	17		385
1992 YU2		1992 12	26.64653	07 32	41.10	+15 12	43.0			385
1992 YU2		1993 01	02.68426	07 26	08.41	+15 11	06.0	16.3		385
1992 YU2		1993 01	02.69769	07 26	07.68	+15 11	06.3			385
1992 YV2	*	1992 12	26.63125	07 35	37.09	+14 34	39.2	16		385
1992 YV2		1992 12	26.64653	07 35	36.17	+14 34	35.2			385
1992 YV2		1993 01	02.68426	07 28	42.21	+14 11	15.5	16		385

1992 YV2		1993 01	02.69769	07 28	41.18	+14 11	13.3		385
1992 YW2		1992 12	30.61389	07 29	15.39	+14 34	33.1		385
1992 YW2	*	1992 12	30.62014	07 29	14.97	+14 34	33.0	16.5	385
1992 YW2		1992 12	30.62639	07 29	14.61	+14 34	29.5		385
1992 YW2		1993 01	02.68426	07 25	55.24	+14 17	29.0	17	385
1992 YW2		1993 01	02.69097	07 25	54.63	+14 17	24.9		385
1992 YA3	*	1992 12	30.63889	07 53	03.74	+18 29	21.7	16	385
1992 YA3		1992 12	30.65139	07 53	03.05	+18 29	21.2		385
1992 YA3		1992 12	31.58194	07 52	15.63	+18 28	29.5	16.5	385
1992 YA3		1992 12	31.60486	07 52	14.27	+18 28	27.2		385
1992 YF3	*	1992 12	31.58194	07 49	08.33	+17 00	08.4	16.8	385
1992 YF3		1992 12	31.60486	07 49	07.10	+17 00	13.8		385
1992 YF3		1993 01	02.66163	07 47	13.48	+17 08	31.3	16.8	385
1992 YF3		1993 01	02.67622	07 47	12.57	+17 08	34.8		385
1993 AA	*	1993 01	02.71366	08 20	06.23	+13 08	28.7	17	385
1993 AA		1993 01	02.72847	08 20	05.35	+13 08	30.7		385
1993 AC		1992 12	26.64653	07 33	04.36	+15 42	44.4	16.3	385
1993 AC		1992 12	30.61389	07 29	36.23	+15 31	15.1	16	385
1993 AC		1992 12	30.62639	07 29	35.72	+15 31	13.5		385
1993 AC	*	1993 01	02.68426	07 26	50.02	+15 22	49.6	15.8	385
1993 AC		1993 01	02.69769	07 26	49.22	+15 22	46.3		385

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, 0.16-m f/3.8 Wright-Schmidt camera
GSC

1981 JB3		1992 11	27.60208	04 15	24.20	+23 01	33.4	17.2	399
1981 JB3		1992 11	27.61667	04 15	23.24	+23 01	31.9		399
1987 QF7		1992 11	27.56944	04 07	50.87	+18 15	29.5	15.7	399
1987 QF7		1992 11	27.58403	04 07	50.04	+18 15	25.3		399
1988 BZ1		1992 11	29.52990	03 51	23.19	+19 09	44.3	17	399
1988 BZ1		1992 11	29.54444	03 51	22.50	+19 09	39.6		399
1988 BZ1		1992 12	15.42708	03 39	28.24	+18 31	26.3	17.2	399
1988 BZ1		1992 12	15.44167	03 39	27.55	+18 31	23.9		399
1988 BZ1		1992 12	17.42639	03 38	15.11	+18 27	29.3	17.2	399
1988 BZ1		1992 12	17.44444	03 38	14.34	+18 27	27.4		399
1988 TD		1992 11	27.47083	03 10	18.40	+19 45	52.9	16.8	399
1988 TD		1992 11	27.48542	03 10	17.71	+19 45	48.8		399
1988 TL		1992 11	27.60208	04 13	50.74	+23 34	37.7	15.7	399
1988 TL		1992 11	27.61667	04 13	49.88	+23 34	34.9		399
1988 TL		1992 11	29.56111	04 11	49.92	+23 28	05.7	15.5	399
1988 TL		1992 11	29.57569	04 11	48.89	+23 28	01.7		399
1988 TN		1992 11	18.53588	03 18	41.17	+24 44	33.2	16.7	399
1988 TN		1992 11	18.55058	03 18	40.29	+24 44	31.9		399
1988 TN		1992 11	21.46528	03 15	29.71	+24 37	54.6	16.5	399
1988 TN		1992 11	21.47986	03 15	28.72	+24 37	52.7		399
1988 VM9		1992 12	15.46076	03 50	34.37	+29 38	38.7	16.2	399
1988 VM9		1992 12	15.47535	03 50	33.53	+29 38	38.3		399
1988 VM9		1992 12	17.46288	03 48	55.21	+29 36	44.8	16.3	399
1988 VM9		1992 12	17.47743	03 48	54.40	+29 36	42.9		399
1988 WH		1988 11	14.65000	03 36	44.59	+19 07	52.7	16.7	399
1988 WH		1988 11	14.66458	03 36	43.54	+19 07	50.8		399
1988 WH		1988 11	14.68229	03 36	42.70	+19 07	47.5		399
1989 BD		1992 12	15.46076	03 56	07.12	+29 23	56.5	16.5	399
1989 BD		1992 12	15.47535	03 56	06.20	+29 23	55.2		399
1989 BD		1992 12	17.46288	03 54	19.96	+29 20	39.6	16.2	399

1989 BD	1992 12	17.47743	03 54	19.11	+29	20	37.8		399
1990 BF2	1992 12	17.52813	05 00	06.26	+22	59	13.1	16.7	399
1990 BF2	1992 12	17.54271	05 00	05.26	+22	59	13.7		399
1992 RM2	1992 09	28.46672	22 31	00.30	-04	58	12.8	17	399
1992 RM2	1992 09	28.48131	22 30	59.61	-04	58	13.9		399
1992 UQ	1992 11	16.45347	01 33	18.65	+04	52	35.2	17	399
1992 UQ	1992 11	16.47431	01 33	18.00	+04	52	32.2		399
1992 UQ	1992 11	18.45839	01 32	16.52	+04	46	27.3	17.2	399
1992 UQ	1992 11	18.48125	01 32	15.82	+04	46	21.5		399
1992 UX4	1992 11	18.56944	03 47	53.39	+21	08	30.8	14	399
1992 UX4	1992 11	18.58403	03 47	52.73	+21	08	15.0		399
1992 UX4	1992 11	21.49792	03 45	49.43	+20	17	03.7	14	399
1992 UX4	1992 11	21.51262	03 45	48.77	+20	16	49.4		399
1992 US5	1992 11	21.43264	03 01	42.52	+32	30	37.7	16.8	399
1992 US5	1992 11	21.44722	03 01	41.56	+32	30	33.0		399
1992 US5	1992 11	27.43825	02 56	28.53	+32	02	13.5	16.7	399
1992 US5	1992 11	27.45278	02 56	27.75	+32	02	08.9		399
1992 UA6	1992 11	27.47083	03 10	47.55	+21	29	56.8	17.3	399
1992 UA6	1992 11	27.48542	03 10	46.95	+21	29	50.7		399
1992 UC6	1992 11	27.47083	03 15	16.37	+18	43	00.7	17	399
1992 UC6	1992 11	27.48542	03 15	15.58	+18	42	53.4		399
1992 UQ6	1992 11	21.43264	03 05	00.34	+30	59	48.5	16.2	399
1992 UQ6	1992 11	21.44722	03 04	59.47	+30	59	44.7		399
1992 UQ6	1992 11	27.43825	02 59	14.98	+30	29	08.6	16.2	399
1992 UQ6	1992 11	27.45278	02 59	14.17	+30	29	03.6		399
1992 UO8	1992 10	28.58576	03 05	18.34	+21	22	40.5	17	399
1992 UO8	1992 10	28.60013	03 05	17.62	+21	22	38.2		399
1992 WJ	1992 11	27.47083	03 08	38.64	+20	05	57.7	17.3	399
1992 WJ	1992 11	27.48542	03 08	37.81	+20	05	56.9		399
1992 WL	1992 11	27.47083	03 12	33.45	+20	34	48.2	16.8	399
1992 WL	1992 11	27.48542	03 12	32.62	+20	34	48.9		399
1992 WP	1992 11	27.47083	03 19	08.42	+18	56	59.4	17	399
1992 WP	1992 11	27.48542	03 19	07.52	+18	57	02.2		399
1992 WJ1	1992 12	15.42708	03 35	39.98	+17	16	16.2	16.7	399
1992 WJ1	1992 12	15.44167	03 35	39.18	+17	16	20.0		399
1992 WJ1	1992 12	17.42639	03 34	15.01	+17	26	35.0	16.7	399
1992 WJ1	1992 12	17.44444	03 34	14.28	+17	26	41.0		399
1992 WK1	1992 12	17.42639	03 43	40.30	+15	14	49.8	16.3	399
1992 WK1	1992 12	17.44444	03 43	39.54	+15	14	56.3		399
1992 WV1	1992 11	27.47083	03 15	25.78	+18	05	44.3	17.2	399
1992 WV1	1992 11	27.48542	03 15	24.80	+18	05	46.9		399
1992 WC2	1992 11	27.53634	03 31	33.22	+18	53	35.6	17.2	399
1992 WC2	1992 11	27.55069	03 31	32.51	+18	53	34.7		399
1992 WE2	1992 11	27.53634	03 33	10.68	+22	00	18.6	17	399
1992 WE2	1992 11	27.55069	03 33	09.90	+22	00	18.4		399
1992 WG2	1992 11	27.53634	03 36	51.09	+20	28	15.4	16.5	399
1992 WG2	1992 11	27.55069	03 36	50.25	+20	28	10.7		399
1992 WH2	1992 11	27.53634	03 40	31.91	+19	47	51.8	17	399
1992 WH2	1992 11	27.55069	03 40	31.19	+19	47	48.0		399
1992 WJ2	1992 11	27.53634	03 37	53.01	+21	29	48.2	17	399
1992 WJ2	1992 11	27.55069	03 37	52.06	+21	29	49.9		399
1992 WR2	1992 11	29.52990	03 54	50.37	+19	58	53.9	16.8	399
1992 WR2	1992 11	29.54444	03 54	49.43	+19	58	53.0		399
1992 WZ2	1992 11	27.53634	03 38	57.73	+22	01	06.5	17.3	399
1992 WZ2	1992 11	27.55069	03 38	56.55	+22	01	09.3		399
1992 WA3	1992 11	29.52990	03 46	19.45	+23	03	14.8	17	399
1992 WA3	1992 11	29.54444	03 46	18.68	+23	03	14.4		399
1992 WG3	1992 11	29.52990	03 55	11.68	+18	33	23.1	17	399
1992 WG3	1992 11	29.54444	03 55	10.81	+18	33	20.2		399

1992 WM3		1992 12	17.56146	05 10	14.15	+23	38	45.3	16.5	399
1992 WM3		1992 12	17.57610	05 10	13.31	+23	38	45.8		399
1992 WA4		1992 12	15.42708	03 34	23.25	+17	51	43.6	17.3	399
1992 WA4		1992 12	15.44167	03 34	22.80	+17	51	44.0		399
1992 WA4		1992 12	17.42639	03 33	13.96	+17	52	52.0	17.3	399
1992 WA4		1992 12	17.44444	03 33	13.46	+17	52	53.4		399
1992 WE4		1992 12	15.42708	03 35	48.36	+19	16	22.7	17.2	399
1992 WE4		1992 12	15.44167	03 35	47.70	+19	16	29.2		399
1992 WE4		1992 12	17.42639	03 34	13.06	+19	29	54.5	17	399
1992 WE4		1992 12	17.44444	03 34	12.34	+19	30	02.5		399
1992 WE5	*	1992 11	16.49306	03 23	09.14	+17	41	05.3	17.2	399
1992 WE5		1992 11	16.50764	03 23	08.18	+17	41	00.9		399
1992 WE5		1992 11	18.50150	03 21	26.69	+17	32	04.1	17.3	399
1992 WE5		1992 11	18.51597	03 21	25.84	+17	31	58.8		399
1992 WH5	*	1992 11	21.52986	04 03	55.11	+20	30	51.2	17.2	399
1992 WH5		1992 11	21.54444	04 03	54.00	+20	30	51.3		399
1992 WH5		1992 11	29.52990	03 54	18.12	+20	30	47.1	17	399
1992 WH5		1992 11	29.54444	03 54	17.13	+20	30	47.9		399
1992 WK5		1992 11	21.59375	04 19	29.57	+16	19	35.0	16.5	399
1992 WK5		1992 11	21.60833	04 19	28.80	+16	19	26.6		399
1992 WR5	*	1992 11	27.60208	04 10	29.92	+25	25	29.3	16.5	399
1992 WR5		1992 11	27.61667	04 10	28.92	+25	25	23.7		399
1992 WR5		1992 11	29.56111	04 08	43.56	+25	14	07.1	16.5	399
1992 WR5		1992 11	29.57569	04 08	42.77	+25	14	02.0		399
1992 WR5		1992 12	15.49410	03 55	52.79	+23	39	12.4	16.2	399
1992 WR5		1992 12	15.50868	03 55	52.14	+23	39	07.7		399
1992 WS5	*	1992 11	27.60208	04 20	09.64	+22	28	52.3	16.5	399
1992 WS5		1992 11	27.61667	04 20	08.43	+22	28	59.0		399
1992 WS5		1992 11	29.56111	04 17	58.85	+22	39	55.5	16.5	399
1992 WS5		1992 11	29.57569	04 17	57.86	+22	40	01.4		399
1992 WC8		1992 11	21.56215	03 57	31.24	+17	02	21.0	17	399
1992 WC8		1992 11	21.57708	03 57	30.41	+17	02	19.6		399
1992 WC8		1992 11	27.50370	03 52	04.50	+16	50	58.1	17.2	399
1992 WC8		1992 11	27.51806	03 52	03.56	+16	50	55.5		399
1992 WC8		1992 12	15.42708	03 37	34.67	+16	25	18.3	17.2	399
1992 WC8		1992 12	15.44167	03 37	33.93	+16	25	16.8		399
1992 WC8		1992 12	17.42639	03 36	16.92	+16	23	39.7	17.2	399
1992 WC8		1992 12	17.44444	03 36	16.09	+16	23	38.7		399
1992 XF	*	1992 12	15.46076	04 00	13.63	+27	58	25.7	16.8	399
1992 XF		1992 12	15.47535	04 00	12.71	+27	58	17.6		399
1992 XF		1992 12	17.46288	03 58	43.51	+27	46	20.0	16.3	399
1992 XF		1992 12	17.47743	03 58	42.76	+27	46	15.7		399
1992 XG	*	1992 12	15.46076	04 01	39.60	+27	43	51.8	17	399
1992 XG		1992 12	15.47535	04 01	38.78	+27	43	51.6		399
1992 XG		1992 12	17.46288	03 59	57.96	+27	48	08.3	17.2	399
1992 XG		1992 12	17.47743	03 59	57.25	+27	48	08.6		399
1992 XH	*	1992 12	15.46076	04 01	51.85	+27	04	51.1	17.2	399
1992 XH		1992 12	15.47535	04 01	51.01	+27	04	46.9		399
1992 XH		1992 12	17.46288	04 00	22.75	+26	54	34.1	17.2	399
1992 XH		1992 12	17.47743	04 00	21.99	+26	54	28.5		399
1992 XJ	*	1992 12	15.52743	04 52	07.23	+14	42	00.6	16.5	399
1992 XJ		1992 12	15.54201	04 52	06.31	+14	42	03.9		399
1992 XJ		1992 12	17.49597	04 50	13.58	+14	47	01.4	16.5	399
1992 XJ		1992 12	17.51042	04 50	12.73	+14	47	03.7		399
1992 YO		1992 12	17.59514	06 10	14.61	+18	58	15.0	16.3	399
1992 YO		1992 12	17.61007	06 10	13.61	+18	58	13.8		399
1992 YE3		1992 12	17.59514	06 10	09.00	+18	45	00.6	16.3	399
1992 YE3		1992 12	17.61007	06 10	08.03	+18	45	03.5		399
1992 YD4	*	1992 12	17.59514	06 12	36.40	+19	15	37.3	16.8	399

1992 YD4	1992 12 17.61007	06 12 35.33	+19 15 38.6		399
2019 P-L	1992 12 17.59514	06 14 58.94	+18 48 39.8	16.7	399
2019 P-L	1992 12 17.61007	06 14 57.94	+18 48 38.9		399

400 Kitami

K. Watanabe, 3-8 Mason Hashimoto B-203, atsubetsu cyuo 3 jo 4 chome,
Atsubetsu-ku, Sapporo 004, Japan

Observer K. Endate, M. Yanai

Measurer K. Watanabe

0.25-m f/2.6 Schmidt, 0.25-m f/3.4 hyperboloid astrocamera

GSC

1988 VM9	1992 11 21.59340	04 16 25.44	+29 25 50.0	16.5	400
1988 VM9	1992 11 21.60764	04 16 24.30	+29 25 52.9		400
1989 BD	1992 11 21.59340	04 21 28.34	+29 34 34.7	17	400
1989 BD	1992 11 21.60764	04 21 27.49	+29 34 36.8		400
1992 UF1	1992 11 17.46181	01 54 37.42	+15 29 48.3	16.0	400
1992 UF1	1992 11 17.47639	01 54 36.83	+15 29 49.8		400
1992 UK2	1992 11 15.39861	02 11 20.47	+20 14 02.6	16.5	400
1992 UK2	1992 11 15.41389	02 11 19.56	+20 14 07.2		400
1992 UK3	1992 11 15.39861	02 26 33.08	+18 20 18.7	17	400
1992 UK3	1992 11 15.41389	02 26 31.96	+18 20 15.7		400
1992 UB4	1992 11 21.47778	02 28 26.39	+10 41 24.8	17	400
1992 UB4	1992 11 21.49167	02 28 25.55	+10 41 25.4		400
1992 UC4	1992 11 21.47778	02 36 43.80	+09 28 57.5	17.5	400
1992 UC4	1992 11 21.49167	02 36 43.30	+09 28 56.0		400
1992 UD4	1992 11 21.47778	02 38 57.91	+09 58 03.4	17	400
1992 UD4	1992 11 21.49167	02 38 57.63	+09 57 58.0		400
1992 UE4	1992 11 15.46250	02 43 15.40	+10 00 44.6	17	400
1992 UE4	1992 11 15.47708	02 43 14.78	+10 00 44.5		400
1992 UG4	1992 11 21.47778	02 29 09.09	+11 39 11.9	17	400
1992 UG4	1992 11 21.49167	02 29 08.40	+11 39 11.9		400
1992 UH4	1992 11 16.50347	02 25 53.28	+01 45 45.3	16.0	400
1992 UH4	1992 11 16.51736	02 25 52.55	+01 45 49.6		400
1992 UJ4	1992 11 16.50347	02 29 07.49	+00 46 37.2	16.5	400
1992 UJ4	1992 11 16.51736	02 29 06.65	+00 46 32.7		400
1992 UL4	1992 11 16.50347	02 31 44.47	+02 36 18.8	17	400
1992 UL4	1992 11 16.51736	02 31 43.54	+02 36 20.8		400
1992 UO4	1992 11 16.50347	02 36 20.09	+02 46 59.3	16.5	400
1992 UO4	1992 11 16.51736	02 36 19.52	+02 46 58.0		400
1992 UP4	1992 11 16.50347	02 39 17.04	+03 29 21.7	17	400
1992 UP4	1992 11 16.51736	02 39 16.36	+03 29 20.1		400
1992 UQ4	1992 11 16.50347	02 46 11.65	+02 05 50.0	16.5	400
1992 UQ4	1992 11 16.51736	02 46 10.77	+02 05 48.2		400
1992 UN5	1992 11 15.46250	02 30 48.98	+07 30 41.4	17	400
1992 UN5	1992 11 15.47708	02 30 48.20	+07 30 43.8		400
1992 UO5	1992 11 15.46250	02 41 21.88	+06 53 56.3	17.5	400
1992 UO5	1992 11 15.47708	02 41 20.70	+06 53 56.4		400
1992 UT5	1992 11 17.46389	03 03 26.86	+16 17 00.7	16.5	400
1992 UT5	1992 11 17.47778	03 03 26.14	+16 16 58.7		400
1992 UX5	1992 11 21.50833	02 57 11.38	+07 27 54.2	17	400
1992 UX5	1992 11 21.52222	02 57 10.54	+07 27 51.0		400
1992 UZ5	1992 11 21.50833	03 01 58.68	+10 51 53.8	17	400
1992 UZ5	1992 11 21.52222	03 01 57.95	+10 51 58.1		400
1992 UL6	1992 11 21.50833	02 59 59.64	+12 32 24.0	17	400
1992 UL6	1992 11 21.52222	02 59 58.79	+12 32 26.6		400
1992 UZ6	1992 11 21.53194	02 39 00.00	+20 25 56.3	16.5	400
1992 UZ6	1992 11 21.54653	02 38 59.25	+20 25 50.8		400
1992 VL	1992 11 27.49306	02 55 41.28	+02 32 12.5	16.5	400
1992 VL	1992 11 27.50694	02 55 40.57	+02 32 14.9		400

1992 VO	*	1992 11	15.43993	02 37	44.67	+24 00	26.6	17	400
1992 VO		1992 11	15.45694	02 37	43.85	+24 00	26.0		400
1992 VO		1992 11	16.46875	02 36	34.02	+23 57	57.4	16.5	400
1992 VO		1992 11	16.48472	02 36	32.98	+23 57	56.7		400
1992 WR		1992 11	27.52500	03 22	14.41	+19 07	17.5	17	400
1992 WR		1992 11	27.53889	03 22	13.86	+19 07	18.1		400
1992 WS		1992 11	27.52500	03 30	53.42	+18 19	24.6	16.5	400
1992 WS		1992 11	27.53889	03 30	52.61	+18 19	18.7		400
1992 WT		1992 11	27.52500	03 30	09.77	+19 04	06.6	16.5	400
1992 WT		1992 11	27.53889	03 30	09.01	+19 04	05.4		400
1992 WU		1992 11	27.52500	03 35	58.30	+17 47	25.3	17	400
1992 WU		1992 11	27.53889	03 35	57.38	+17 47	17.1		400
1992 WV		1992 11	27.52500	03 37	11.67	+17 12	14.5	17	400
1992 WV		1992 11	27.53889	03 37	11.16	+17 12	12.9		400
1992 WC1		1992 11	21.56285	03 53	15.43	+24 12	12.9	16.0	400
1992 WC1		1992 11	21.57674	03 53	14.44	+24 12	07.1		400
1992 WD1		1992 11	27.52500	03 32	57.01	+14 54	57.9	17	400
1992 WD1		1992 11	27.53889	03 32	56.53	+14 54	56.7		400
1992 WE1		1992 11	27.52500	03 33	06.41	+14 21	36.5	17.5	400
1992 WE1		1992 11	27.53889	03 33	05.51	+14 21	35.3		400
1992 WF1		1992 11	27.55556	03 22	08.69	+05 49	57.4	16.0	400
1992 WF1		1992 11	27.56944	03 22	08.00	+05 49	57.8		400
1992 WF1		1992 12	15.52222	03 10	11.59	+06 32	17.4	16.5	400
1992 WF1		1992 12	15.53681	03 10	10.86	+06 32	24.0		400
1992 WH1		1992 11	27.55556	03 35	11.69	+07 05	11.4	16.0	400
1992 WH1		1992 11	27.56944	03 35	10.73	+07 05	10.1		400
1992 WH1		1992 12	15.52222	03 21	56.51	+07 39	24.4	16.0	400
1992 WH1		1992 12	15.53681	03 21	56.06	+07 39	29.2		400
1992 WK1		1992 11	27.58611	04 01	36.97	+13 10	01.4	15.5	400
1992 WK1		1992 11	27.60000	04 01	36.06	+13 10	05.3		400
1992 WM1		1992 12	19.46875	03 47	40.31	+15 40	58.7	17	400
1992 WM1		1992 12	19.48403	03 47	39.70	+15 41	02.1		400
1992 WN1		1992 11	27.58611	04 10	02.45	+12 19	42.8	17.5	400
1992 WN1		1992 11	27.60000	04 10	01.66	+12 19	43.4		400
1992 WO1		1992 12	16.55278	03 42	42.89	+03 13	10.5	16.0	400
1992 WO1		1992 12	16.56806	03 42	42.34	+03 13	09.0		400
1992 WP1		1992 12	16.52222	03 44	05.92	+09 45	07.7	17	400
1992 WP1		1992 12	16.53750	03 44	05.19	+09 45	10.7		400
1992 WT2		1992 11	27.58611	04 18	15.87	+15 19	20.9	16.5	400
1992 WT2		1992 11	27.60000	04 18	14.75	+15 19	18.9		400
1992 WU2		1992 11	27.61736	04 36	26.61	+15 24	48.5	16.5	400
1992 WU2		1992 11	27.63194	04 36	25.79	+15 24	42.4		400
1992 WU2		1992 12	19.50000	04 18	10.42	+13 58	46.5	17	400
1992 WU2		1992 12	19.51528	04 18	09.72	+13 58	44.5		400
1992 WX2		1992 11	27.52500	03 25	36.46	+15 46	00.2	17	400
1992 WX2		1992 11	27.53889	03 25	35.66	+15 45	58.8		400
1992 WR3		1992 11	18.61111	04 49	30.61	+12 02	04.6	16.0	400
1992 WR3		1992 11	18.62569	04 49	29.99	+12 02	05.9		400
1992 WR3		1992 11	27.61736	04 40	39.93	+12 26	40.4	16.0	400
1992 WR3		1992 11	27.63194	04 40	39.00	+12 26	42.3		400
1992 WR3		1992 12	19.50000	04 18	33.49	+13 57	23.3	16.5	400
1992 WR3		1992 12	19.51528	04 18	32.65	+13 57	27.4		400
1992 WE4		1992 11	17.59792	04 07	00.57	+16 03	37.0	16.5	400
1992 WE4		1992 11	17.61146	04 06	59.55	+16 03	42.1		400
1992 WE4		1992 11	18.52083	04 05	53.03	+16 10	03.3	16.5	400
1992 WE4		1992 11	18.53472	04 05	51.86	+16 10	04.5		400
1992 WK4		1992 11	27.58611	04 13	15.34	+15 16	48.3	17	400
1992 WK4		1992 11	27.60000	04 13	14.66	+15 16	52.3		400
1992 WF5	*	1992 11	16.56007	03 33	06.56	+05 56	24.9	16.5	400

1992 WF5		1992 11 16.57326	03 33 05.91	+05 56 23.2			400
1992 WF5		1992 11 27.55556	03 21 20.50	+05 24 55.4	17		400
1992 WF5		1992 11 27.56944	03 21 19.77	+05 24 50.5			400
1992 WG5	*	1992 11 18.61111	04 48 07.23	+13 31 27.3	17		400
1992 WG5		1992 11 18.62569	04 48 06.28	+13 31 25.9			400
1992 WG5		1992 11 27.61736	04 39 11.09	+14 00 33.9	17		400
1992 WG5		1992 11 27.63194	04 39 10.21	+14 00 33.6			400
1992 WG5		1992 12 19.50000	04 16 59.92	+15 35 47.9	17		400
1992 WG5		1992 12 19.51528	04 16 58.93	+15 35 53.1			400
1992 WJ5	*	1992 11 21.53958	04 19 10.85	+12 31 11.7	17		400
1992 WJ5		1992 11 21.55347	04 19 10.18	+12 31 11.0			400
1992 WJ5		1992 11 27.58611	04 13 12.30	+12 49 54.7	17		400
1992 WJ5		1992 11 27.60000	04 13 11.71	+12 49 54.8			400
1992 WK5	*	1992 11 21.53958	04 19 32.69	+16 20 03.7	16.5		400
1992 WK5		1992 11 21.55347	04 19 31.78	+16 19 54.9			400
1992 WK5		1992 11 27.58611	04 14 06.57	+15 26 41.7	16.5		400
1992 WK5		1992 11 27.60000	04 14 05.89	+15 26 35.4			400
1992 WH8		1992 11 17.46389	03 07 36.04	+19 04 26.6	17		400
1992 WH8		1992 11 17.47778	03 07 35.21	+19 04 24.6			400
1992 WJ8		1992 11 17.46389	03 10 29.47	+19 22 18.1	17		400
1992 WJ8		1992 11 17.47778	03 10 28.48	+19 22 15.9			400
1992 XF		1992 11 21.59340	04 21 38.81	+30 05 01.1	17		400
1992 XF		1992 11 21.60764	04 21 37.87	+30 04 56.6			400
(3875)		1992 11 16.50347	02 38 52.50	+03 32 19.2	16.5		400
(3875)		1992 11 16.51736	02 38 51.89	+03 32 19.4			400

402 Dynic Astronomical Observatory

A. Sugie, Dynic Astronomical Observatory, Taga 270, Taga-Cho, Inukami-Gun,
Shiga-Ken, 522-03, Japan

0.25-m f/3.4 Schmidt

GSC

1991 RJ31	*	1991 09 11.68056	01 29 31.93	+14 32 04.2	17.5		402
1991 RJ31		1991 09 11.70139	01 29 31.04	+14 32 03.4			402
1992 UT4		1992 11 17.53264	03 07 16.49	+20 59 13.9	16.0		402
1992 UT4		1992 11 17.54722	03 07 15.49	+20 59 13.8			402
1992 UT4		1992 11 18.51667	03 06 08.67	+20 59 59.6			402
1992 UT4		1992 11 18.52847	03 06 07.91	+21 00 00.0			402
1992 WS4		1992 11 29.63056	03 12 51.36	+26 01 25.7	17.5		402
1992 WS4		1992 11 29.64722	03 12 50.23	+26 01 22.5			402
1992 WS4		1992 11 30.55347	03 11 58.87	+26 01 02.4		d	402
1992 WS4		1992 11 30.56944	03 11 58.01	+26 01 00.2		d	402
1992 WA8	*	1992 11 30.60417	03 56 20.05	+32 33 14.2	16.5		402
1992 WA8		1992 11 30.61944	03 56 19.23	+32 33 07.5			402
1992 WA8		1992 12 03.66319	03 53 15.40	+32 04 58.4			402
1992 WA8		1992 12 03.67847	03 53 14.40	+32 04 49.7			402
(958)		1992 11 30.55347	02 59 15.14	+24 51 08.6	16.0		402
(958)		1992 11 30.56944	02 59 14.53	+24 51 05.6			402
(2748)		1992 11 30.55347	03 14 45.82	+24 20 50.4	17.0		402
(2748)		1992 11 30.56944	03 14 44.75	+24 20 48.5			402

403 Kani

T. Furuta, Mitsuike 17-2, Kakiya-Cho, Tokai, Aichi-Ken 477, Japan

Observer Y. Mizuno

Measurer T. Furuta

0.20-m f/4.0 hyperboloid astrocamera

GSC

1992 WS3		1992 12 02.60475	03 59 47.87	+24 45 18.9	16.0		403
1992 WS3		1992 12 02.61574	03 59 47.26	+24 45 13.4			403
1992 YO		1992 12 18.60035	06 09 12.94	+18 56 17.7	16.5		403

1992 YO	1992 12	18.61146	06 09	12.34	+18 56	17.6		403
1992 YO	1992 12	29.57870	05 57	49.27	+18 37	47.6		403
1992 YO	1992 12	29.59132	05 57	48.54	+18 37	46.6		403
1992 YE3	* 1992 12	18.60035	06 09	15.22	+18 48	26.9	16.5	403
1992 YE3	1992 12	18.61146	06 09	14.61	+18 48	30.9		403
1992 YE3	1992 12	25.63663	06 02	52.6	+19 13	41		403
1992 YE3	1992 12	25.64965	06 02	51.6	+19 13	41		403
1992 YE3	1992 12	29.57870	05 59	18.75	+19 28	15.3		403
1992 YE3	1992 12	29.59132	05 59	18.01	+19 28	17.7		403
1992 YE3	1992 12	29.60417	05 59	17.24	+19 28	21.4		403
1992 YD4	1992 12	18.60035	06 11	26.39	+19 17	19.5	16.5	403
1992 YD4	1992 12	18.61146	06 11	25.42	+19 17	18.1		403
2019 P-L	1992 12	18.60035	06 13	54.14	+18 47	11.8	16.5	403

408 Nyukasa

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

Observers M. Hirasawa, S. Suzuki

Measurer K. Watanabe

0.30-m f/2.7 Schmidt camera

GSC

1992 WH8	1992 11	18.50556	03 06	26.94	+19 00	07.6	17.5	408
1992 WH8	1992 11	18.51389	03 06	26.44	+19 00	06.6		408
1992 WH8	1992 11	18.52847	03 06	25.45	+19 00	02.8		408
1992 WH8	* 1992 11	24.60522	03 00	04.59	+18 35	03.6	17.5	408
1992 WH8	1992 11	24.62293	03 00	03.53	+18 34	57.4		408
1992 WJ8	1992 11	18.50556	03 09	36.88	+19 19	08.0	16.5	408
1992 WJ8	1992 11	18.51389	03 09	36.40	+19 19	07.9		408
1992 WJ8	1992 11	18.52847	03 09	35.69	+19 19	05.4		408
1992 WJ8	* 1992 11	24.60522	03 04	42.32	+19 00	43.2	17.0	408
1992 WJ8	1992 11	24.62293	03 04	41.37	+19 00	40.6		408
1992 WK8	* 1992 11	24.65626	03 42	33.16	+30 12	25.8	17	408
1992 WK8	1992 11	24.67188	03 42	32.08	+30 12	22.7		408
1992 WK8	1992 11	29.50347	03 37	30.20	+29 50	13.0	17	408
1992 WK8	1992 11	29.51181	03 37	29.65	+29 50	10.0		408
1992 WK8	1992 11	29.52014	03 37	29.21	+29 50	07.9		408
1992 WL8	* 1992 11	24.65626	03 53	18.94	+30 18	04.0	16.5	408
1992 WL8	1992 11	24.67188	03 53	18.02	+30 17	57.6		408
1992 WL8	1992 11	29.50347	03 48	59.99	+29 49	28.3	16.5	408
1992 WL8	1992 11	29.51181	03 48	59.52	+29 49	23.7		408
1992 WL8	1992 11	29.52014	03 48	58.94	+29 49	22.1		408

410 Sengamine

K. Ito, 4-13-7, Sakuragaoka Higashi Mati, Nishi-ku, Kobe 651-22, Japan

Observers M. Hotta, K. Ito

Measurer K. Ito

0.20-m f/4.8 reflector + CCD

GSC

1992 WD5	1992 12	29.53229	05 59	50.11	+49 38	01.6	13.6 V	410
1992 WD5	1992 12	29.54080	05 59	49.55	+49 38	04.7		410
1992 WD5	1992 12	29.54569	05 59	49.23	+49 38	06.4		410
1992 WD5	1993 01	01.72986	05 57	03.85	+49 53	18.8	13.8 V	410
1992 WD5	1993 01	01.73542	05 57	03.57	+49 53	19.2		410
1992 WD5	1993 01	01.73889	05 57	03.45	+49 53	19.9		410
(4179)	1992 12	18.62348	09 09	25.50	+12 07	10.0	10.8 V	410
(4179)	1992 12	18.63833	09 09	19.13	+12 08	02.3		410
(4179)	1992 12	18.64250	09 09	17.38	+12 08	16.7		410
(4179)	1992 12	29.66618	08 28	02.89	+17 29	46.6	11.6 V	410
(4179)	1992 12	29.66940	08 28	02.34	+17 29	49.2		410

(5401)	1992 12 03.66458	07 38 09.98	+33 17 20.2	15.8 V	410
(5401)	1992 12 03.67291	07 38 09.74	+33 17 23.6		410
(5401)	1992 12 03.69097	07 38 09.38	+33 17 30.7		410

411 Oizumi

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

0.16-m f/6.3 reflector + CCD

GSC

1990 DX	1992 11 23.51169	04 41 09.41	+27 29 49.7		411
1990 DX	1992 11 23.52222	04 41 08.74	+27 29 47.9		411
1990 DX	1992 11 23.52581	04 41 08.52	+27 29 47.7		411
1990 DX	1992 11 26.67060	04 37 50.47	+27 22 40.8		411
1990 DX	1992 11 26.67523	04 37 50.10	+27 22 40.8		411
1990 DX	1992 11 26.67963	04 37 49.88	+27 22 38.1		411
1990 DX	1992 12 19.49044	04 14 34.35	+26 10 04.2		411
1990 DX	1992 12 19.49919	04 14 33.85	+26 10 02.5		411
1990 DX	1992 12 19.50608	04 14 33.41	+26 10 00.6		411
(2060)	1992 12 05.73472	09 34 54.34	+07 09 10.8		411
(2060)	1992 12 05.74062	09 34 54.36	+07 09 10.8		411
(2060)	1992 12 05.74459	09 34 54.36	+07 09 11.4		411
(4179)	1992 12 08.79326	12 45 04.86	-20 09 39.9		411
(4179)	1992 12 08.80049	12 44 39.37	-20 06 47.9		411
(4179)	1992 12 08.80124	12 44 36.69	-20 06 29.4		411
(4179)	1992 12 11.80666	10 40 55.91	-02 14 56.5		411
(4179)	1992 12 11.80781	10 40 53.93	-02 14 38.7		411
(4179)	1992 12 11.80943	10 40 51.16	-02 14 13.1		411
(4179)	1992 12 11.81163	10 40 47.45	-02 13 38.8		411
(4179)	1992 12 19.51725	09 03 56.99	+12 53 46.8		411
(4179)	1992 12 19.51936	09 03 56.31	+12 53 53.4		411
(4179)	1992 12 19.52280	09 03 55.10	+12 54 03.8		411
(4179)	1992 12 31.64038	08 23 49.43	+17 57 53.3		411
(4179)	1992 12 31.64192	08 23 49.21	+17 57 54.6		411
(4179)	1992 12 31.64269	08 23 49.11	+17 57 55.3		411
(5145)	1992 12 04.79491	09 36 37.91	+21 24 09.2		411
(5145)	1992 12 04.80230	09 36 37.95	+21 24 09.6		411
(5145)	1992 12 04.80753	09 36 37.99	+21 24 11.4		411
(5145)	1992 12 05.74987	09 36 39.27	+21 25 59.6		411
(5145)	1992 12 05.75843	09 36 39.26	+21 25 59.1		411
(5145)	1992 12 05.76273	09 36 39.24	+21 26 01.0		411

413 Siding Spring

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

Observers G. Da Costa, M. Hartley, R. H. McNaught, K. Taylor

Measurer R. H. McNaught

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

3.9-m AAT + CCD

1979 QJ10	* 1979 08 19.56576	21 47 07.76	-31 46 17.5	16.5 V	413
1979 QJ10	1979 08 19.61090	21 47 05.11	-31 47 30.9		413
1981 EL33	1992 05 29.68954	19 24 13.47	-27 41 07.2		413
1981 EL33	1992 05 29.72079	19 24 13.94	-27 41 02.0		T 413
1982 JC5	* 1982 05 01.53596	14 30 17.99	-43 24 06.2	17 V	413
1982 JC5	1982 05 01.55638	14 30 16.31	-43 24 06.4		V 413
1982 JC5	1982 05 01.61888	14 30 12.62	-43 24 07.8		V 413
1989 CC1	1975 01 23.68278	11 06 49.04	+00 23 53.1		413
1989 CC1	1975 01 23.71056	11 06 48.54	+00 24 17.7		413
1991 CO3	1992 05 29.68954	19 10 14.46	-28 04 15.7		413
1991 CO3	1992 05 29.72079	19 10 13.24	-28 04 09.0		T 413

1991 TD1	1978 12 19.64050	08 08 21.58	-20 59 19.2					413
1991 WB	1977 10 10.59822	02 31 54.13	-51 54 13.6					413
1991 WB	1977 10 10.65030	02 31 49.26	-51 54 01.5					413
1991 WB	1977 12 03.43762	01 29 51.17	-32 33 23.6					413
1991 WB	1977 12 03.49317	01 29 50.57	-32 31 30.0					413
1992 EU	1974 06 18.42896	13 40 20.66	-41 53 51.8					413
1992 EU	1975 06 10.67037	19 06 52.09	-60 47 46.4					413
1992 EU	1975 07 09.53913	18 22 28.94	-61 36 12.2					413
1992 EU	1975 07 09.57385	18 22 25.49	-61 36 06.6					413
1992 EU	1979 03 27.73966	16 20 39.68	-50 15 57.7				F	413
1992 EU	1979 03 27.77786	16 20 39.22	-50 16 15.3				V	413
1992 FK1	1975 06 07.42913	14 05 17.36	-37 49 05.3					413
1992 FK1	1975 06 07.47080	14 05 17.55	-37 48 16.9					413
1992 FM1	1979 08 19.56576	21 46 04.44	-32 34 55.9					413
1992 FM1	1979 08 19.61090	21 46 00.41	-32 34 42.2					413
1992 FM1	1986 10 21.40251	22 08 22.13	-07 54 52.8					413
1992 FM1	1986 10 21.46501	22 08 21.10	-07 54 30.5					413
1992 FW1	1983 10 26.41105	21 34 22.23	-01 16 13.0					413
1992 FW1	1983 10 26.45272	21 34 23.17	-01 16 35.4					413
1992 FW1	1989 04 15.73286	16 34 20.84	+00 02 14.0				F	413
1992 FW1	1989 04 15.77800	16 34 19.75	+00 02 41.3				V	413
1992 JB	1992 01 09.45402	05 09 37.10	-37 43 42.2	18		V	F	413
1992 JB	1992 01 09.50610	05 09 32.42	-37 45 18.4				F	413
1992 OY7	1992 07 22.56845	19 08 57.18	-18 29 33.1	15.5		V		413
1992 OY7	1992 07 22.59970	19 08 55.55	-18 29 25.4					413
1992 QB1	1992 10 26.42932	23 57 07.30	-00 17 10.6					413
1992 QB1	1992 10 26.62049	23 57 06.59	-00 17 15.9				V	413
1992 UY4	1992 07 21.48184	17 16 22.62	-27 35 49.8	17.5		V		413
1992 UY4	1992 07 28.46558	17 07 50.33	-26 09 35.6	17		V		413
1992 VM	1992 12 09.57922	02 51 42.51	-15 18 20.1					413
1992 VM	1992 12 09.58185	02 51 42.69	-15 18 16.6					413
1992 VM	1992 12 12.48311	02 55 18.20	-14 09 56.0					413
1992 VM	1992 12 12.48509	02 55 18.34	-14 09 53.0					413
1992 VM	1993 01 04.50247	03 29 09.88	-04 16 36.8					413
1992 VM	1993 01 04.50497	03 29 10.11	-04 16 33.2					413
(131)	1992 12 30.44116	03 47 46.06	+20 58 31.9					413
(131)	1992 12 30.50366	03 47 44.03	+20 58 31.9					413
(4179)	1992 12 11.64123	10 45 40.40	-02 54 05.6					413
(4179)	1992 12 11.64282	10 45 37.58	-02 53 39.2					413
(4179)	1992 12 11.64454	10 45 34.61	-02 53 11.3					413
(4179)	1992 12 11.64609	10 45 31.93	-02 52 46.1					413
(4179)	1992 12 11.64874	10 45 27.30	-02 52 02.9					413
(4179)	1992 12 11.65122	10 45 23.01	-02 51 22.9					413

493 Calar Alto

K. Birkle, Max-Planck Insititut fur Astronomie, Konigstuhl,
W-6900 Heidelberg 1, Federal Republic of Germany

Observers K. Birkle, P. Belloni, H. J. Roeser

3.5-m reflector + CCD

PPM

1992 QB1	1992 11 20.98708	23 55 56.66	-00 24 36.6					493
1992 QB1	1992 11 21.99275	23 55 54.92	-00 24 47.2					493

494 Stakenbridge

B. Manning, Moonrakers, Stakenbridge, Churchill, Kidderminster,
Worcs. DY10 3LS, England

(3327)	1992 12 16.94542	05 59 56.09	+24 09 06.5	16.8				494
(3327)	1992 12 16.96829	05 59 54.78	+24 09 06.7					494
(3620)	1992 12 16.94542	06 01 58.07	+24 29 28.5	16.3				494

(3620)	1992 12 16.96829	06 01 56.62	+24 29 25.1		494
(3656)	1992 12 16.94542	06 01 21.50	+24 24 46.3	16.8	494
(3656)	1992 12 16.96829	06 01 19.77	+24 24 44.4		494

511 Haute Provence

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

Observers E. W. Elst, G. Traversa

Measurer E. W. Elst

0.6-m Schmidt

1990 DX	1991 09 07.95139	23 04 36.55	-00 43 15.4	17.7	511
1991 RS17	1991 09 05.97639	23 22 05.96	-01 01 18.7		511
1991 RS17	1991 09 06.01458	23 22 04.01	-01 01 28.7	18.0	511
1991 RA20	1991 09 06.10833	23 52 24.86	+07 21 39.1	17.0	511

563 Seewalchen

F. Frevert, Dilichstrasse 1, W-6330 Wetzlar, Federal Republic of Germany

Observer M. Bressler

1987 WS3	1991 10 29.82500	01 54 55.10	+25 35 06.5		563
1987 WS3	1991 10 29.83542	01 54 54.70	+25 34 57.1		563
1987 WS3	1991 10 29.85278	01 54 53.83	+25 34 42.0		563
1990 VH1	1992 04 07.90278	13 15 09.65	+05 49 54.2		563
1990 VH1	1992 04 07.91806	13 15 08.57	+05 49 55.4		563
(1622)	1992 04 02.96875	10 16 39.92	+13 44 07.3		563
(1622)	1992 04 02.97778	10 16 39.73	+13 44 05.5		563
(1622)	1992 04 03.00278	10 16 38.99	+13 44 02.8		563
(2105)	1992 07 24.86806	19 46 17.51	+02 10 21.2		563
(2105)	1992 07 24.89583	19 46 15.49	+02 10 31.6		563
(2105)	1992 07 24.90972	19 46 14.24	+02 10 37.3		563
(2105)	1992 07 24.92361	19 46 13.30	+02 10 42.5		563
(4369)	1992 01 03.77986	05 02 12.65	+33 26 45.2		563
(4369)	1992 01 03.79028	05 02 12.22	+33 26 38.8		563
(4369)	1992 01 03.80139	05 02 11.70	+33 26 33.0		563
(4369)	1992 01 03.81250	05 02 11.24	+33 26 27.0		563
(4566)	1990 08 19.88750	20 30 38.52	-02 18 15.9		563
(4566)	1990 08 19.90833	20 30 37.66	-02 18 19.5		563
(4566)	1990 08 19.91875	20 30 37.36	-02 18 22.5		563
(4628)	1992 01 03.84028	06 31 32.72	+22 04 34.9		563
(4628)	1992 01 03.85139	06 31 31.99	+22 04 32.2		563
(4628)	1992 01 03.90278	06 31 28.56	+22 04 18.8		563
(4628)	1992 01 03.91389	06 31 27.79	+22 04 16.2		563

573 Eldagsen

W. Bonk, Nordstrasse 33, W-3257 Springe 3, Federal Republic of Germany

(133)	1992 11 25.81791	03 18 07.51	+28 33 09.9		573
(133)	1992 11 25.82832	03 18 06.87	+28 33 07.3		573
(152)	1992 11 29.71536	03 22 35.56	+24 32 57.7		573
(152)	1992 11 29.72717	03 22 34.92	+24 32 57.7		573
(250)	1992 12 15.74152	03 57 40.76	+35 01 35.9		573
(250)	1992 12 15.75269	03 57 40.14	+35 01 34.5		573
(1001)	1992 11 23.86334	02 53 21.93	+23 27 29.5		573
(1001)	1992 11 23.87074	02 53 21.75	+23 27 27.6		573
(1317)	1992 12 15.72207	03 34 24.91	+50 01 34.5		573
(1317)	1992 12 15.73006	03 34 24.54	+50 01 33.3		573
(1653)	1992 11 23.88151	02 35 46.92	+24 00 37.4		573
(1653)	1992 11 23.89169	02 35 46.59	+24 00 33.3		573

587 Sormano

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

Observers M. Cavagna, E. Colzani, P. Sicoli

0.5-m f/5.9 reflector

PPM

1992 ST	1992 11 28.82326	01 05 36.38	+12 39 38.0	587
1992 ST	1992 11 28.85590	01 05 37.34	+12 40 02.7	587

589 Santa Lucia Stroncone

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

Observers A. Vagnozzi, V. Risoldi, G. Bernabei

0.50-m f/2.8 Ritchey-Chretien + CCD

GSC

1991 SC2	1992 11 27.91176	05 16 29.80	+19 59 41.7	589
1991 SC2	1992 11 27.92148	05 16 29.30	+19 59 41.1	589
1991 SC2	1992 11 27.96936	05 16 26.65	+19 59 39.2	589
1991 SC2	1992 11 27.97738	05 16 26.24	+19 59 39.3	589
1991 SC2	1992 11 27.98423	05 16 25.92	+19 59 39.0	589
(5361)	1992 11 30.86084	02 25 16.21	+08 11 39.5	589
(5361)	1992 11 30.87103	02 25 15.85	+08 11 39.6	589
(5361)	1992 11 30.89407	02 25 15.04	+08 11 38.8	589

595 Farra d'Isonzo

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

Observers W. Boschin, G. Lombardi, E. Pettarin, F. Piani

0.4-m f/4.5 reflector

PPM

1981 YS1	1992 11 23.82118	05 30 51.68	+12 41 32.5	595
1981 YS1	1992 11 23.87986	05 30 50.00	+12 41 25.6	595
1981 YS1	1992 11 27.85625	05 28 46.50	+12 32 23.4	595
1981 YS1	1992 11 27.89028	05 28 45.08	+12 32 20.6	595

596 Colleverde di Guidonia

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

0.31-m f/2.8 Baker-Schmidt + CCD

GSC

1965 UA1	1992 12 01.89038	06 33 02.55	+24 55 45.2	596
1965 UA1	1992 12 01.90481	06 33 01.79	+24 55 45.3	596
1975 VS5	1992 12 20.83809	05 59 44.34	+11 03 50.1	596
1975 VS5	1992 12 20.85542	05 59 43.31	+11 03 51.1	596
1975 VS5	1992 12 20.87615	05 59 41.92	+11 03 53.2	596
1977 EC2	1992 12 18.90924	06 59 11.80	+23 16 14.4	596
1977 EC2	1992 12 18.92788	06 59 10.91	+23 16 15.5	596
1981 QT	1992 12 19.86466	05 50 07.42	+24 38 02.7	596
1981 QT	1992 12 19.87391	05 50 06.78	+24 38 02.0	596
1981 QT	1992 12 19.88068	05 50 06.28	+24 38 01.5	596
1981 YS1	1992 12 01.85038	05 26 16.21	+12 26 03.1	596
1981 YS1	1992 12 01.86837	05 26 15.43	+12 26 02.0	596
1986 EE2	1992 12 27.90097	07 12 53.13	+06 08 51.3	596
1986 EE2	1992 12 27.91510	07 12 52.38	+06 08 54.0	596
1986 SD2	1992 12 13.73878	04 47 01.94	+36 32 21.1	596
1986 SD2	1992 12 13.75480	04 47 01.02	+36 32 16.7	596
1986 SD2	1992 12 13.77068	04 47 00.05	+36 32 12.2	596
1987 RD1	1992 12 17.76493	04 24 58.35	+24 44 19.9	596
1987 RD1	1992 12 17.80816	04 24 56.33	+24 44 15.3	596
1989 UH2	1992 11 30.87702	07 38 42.09	+48 01 18.6	596
1989 UH2	1992 11 30.89219	07 38 41.83	+48 01 37.9	596
1989 UH2	1992 11 30.90871	07 38 41.25	+48 02 01.2	596
1989 UH2	1992 11 30.95885	07 38 39.87	+48 03 02.3	596
1990 DL	1992 12 13.81805	06 01 04.65	+32 06 29.3	16.5 V 596
1990 DL	1992 12 13.84751	06 01 02.69	+32 06 36.6	I 596
1990 DL	1992 12 14.88201	05 59 45.65	+32 06 21.9	I 596

1990 DL	1992 12	14.89219	05 59	44.61	+32 06	25.4	596
1990 DL	1992 12	16.82986	05 57	18.93	+32 05	42.6	596
1990 DL	1992 12	16.84430	05 57	17.79	+32 05	42.0	596
1990 DL	1992 12	16.86820	05 57	15.79	+32 05	41.2	596
1990 DL	1992 12	16.88017	05 57	14.91	+32 05	40.6	596
1990 DL	1992 12	17.83201	05 56	02.59	+32 05	08.7	596
1990 DL	1992 12	17.84692	05 56	01.42	+32 05	08.2	596
1990 DL	1992 12	17.86653	05 56	00.01	+32 05	07.2	596
1990 DL	1992 12	17.88167	05 55	59.25	+32 05	06.7	596
1991 NG	1992 11	20.86306	04 24	53.90	+33 17	31.7	596
1991 NG	1992 11	20.87854	04 24	52.88	+33 17	26.2	596
1991 NG	1992 11	20.89139	04 24	51.82	+33 17	20.6	596
1991 NP	1992 12	18.77344	05 07	15.60	+38 05	06.7	596
1991 NP	1992 12	18.78882	05 07	14.38	+38 04	57.9	596
1991 NP	1992 12	18.81776	05 07	11.93	+38 04	39.8	596
3128 T-1	1992 12	13.89065	06 43	10.73	+31 34	08.7	596
3128 T-1	1992 12	13.90323	06 43	09.91	+31 34	10.6	596
3128 T-1	1992 12	18.86539	06 37	26.21	+31 35	40.5	596
3128 T-1	1992 12	18.88690	06 37	24.55	+31 35	40.0	596
(5390)	1992 12	26.94573	09 05	12.68	+38 03	01.2	596
(5390)	1992 12	26.95297	09 05	12.51	+38 03	12.5	596
(5390)	1992 12	26.97466	09 05	11.94	+38 03	45.3	596
(5390)	1992 12	26.98190	09 05	11.78	+38 03	56.8	596
(5401)	1992 12	26.86167	07 21	08.40	+35 51	46.9	596
(5401)	1992 12	26.87564	07 21	07.50	+35 51	51.8	596

597 Springe

N. Ehring, Detmoldstrasse 8, W-3000 Hannover 1, Federal Republic of Germany							
(72)	1992 11	23.88272	04 11	35.30	+15 39	57.7	597
(72)	1992 11	23.89021	04 11	34.81	+15 39	55.4	597
(111)	1992 10	31.87405	03 13	37.54	+26 13	03.2	597
(111)	1992 10	31.88394	03 13	36.93	+26 13	01.7	597
(152)	1992 11	25.77662	03 26	13.75	+24 33	07.0	597
(152)	1992 11	25.79525	03 26	12.64	+24 33	07.6	597
(214)	1992 11	25.77662	03 25	00.09	+24 14	10.4	597
(214)	1992 11	25.78574	03 24	59.50	+24 14	08.6	597
(438)	1992 10	31.90123	03 54	47.92	+21 04	29.4	597
(438)	1992 10	31.92014	03 54	46.85	+21 04	29.9	597
(563)	1992 11	25.82957	03 40	01.13	+10 40	42.2	597
(563)	1992 11	25.83983	03 40	00.51	+10 40	44.7	597
(666)	1992 11	23.89596	04 29	22.18	+14 32	14.8	597
(666)	1992 11	23.90492	04 29	21.67	+14 32	10.0	597
(694)	1992 11	23.85475	04 18	55.97	+14 52	08.2	597
(694)	1992 11	23.87057	04 18	55.00	+14 51	57.9	597
(752)	1992 11	01.91707	03 26	19.88	+12 17	18.2	597
(752)	1992 11	01.92226	03 26	19.58	+12 17	17.5	597
(1001)	1992 10	31.87900	03 11	33.68	+25 54	37.5	597
(1001)	1992 10	31.88853	03 11	33.20	+25 54	34.2	597
(1424)	1992 11	25.80506	03 45	46.41	+24 04	08.3	597
(1424)	1992 11	25.81792	03 45	45.72	+24 04	08.1	597

658 Dominion Astrophysical Observatory, Victoria

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

Observers J. B. Tatum, D. D. Balam, G. C. L. Aikman

1.85-m reflector + CCD

GSC

1991 JS1	1992 12	02.37431	05 37	27.33	+18 27	30.6	658
1991 JS1	1992 12	02.37745	05 37	27.11	+18 27	31.2	658

1991 JS1	1992 12 02.38058	05 37 26.89	+18 27 31.6	658
1991 QC	1992 12 02.35984	05 57 39.19	+20 27 51.7	658
1991 QC	1992 12 02.36390	05 57 38.93	+20 27 51.0	658
1991 QC	1992 12 02.36876	05 57 38.67	+20 27 50.6	658
1992 NA	1992 12 02.40872	04 09 50.14	+51 58 11.1	658
1992 NA	1992 12 02.41182	04 09 49.89	+51 58 07.6	658
1992 NA	1992 12 02.41493	04 09 49.68	+51 58 03.9	658
1992 NA	1992 12 03.34741	04 08 52.83	+51 40 19.1	658
1992 NA	1992 12 03.35006	04 08 52.66	+51 40 16.2	658
1992 NA	1992 12 03.35574	04 08 52.26	+51 40 09.6	658
1992 SL	1992 12 01.29025	01 38 01.73	+35 54 52.2	658
1992 SL	1992 12 01.29306	01 38 01.88	+35 54 51.0	658
1992 SL	1992 12 01.29584	01 38 02.05	+35 54 50.0	658
1992 SL	1992 12 01.29897	01 38 02.27	+35 54 48.9	658
1992 SL	1992 12 03.25753	01 40 28.14	+35 43 21.7	658
1992 SL	1992 12 03.26089	01 40 28.40	+35 43 20.8	658
1992 SL	1992 12 03.26407	01 40 28.58	+35 43 19.3	658
1992 ST	1992 12 01.26875	01 07 07.63	+13 11 01.2	658
1992 ST	1992 12 01.27189	01 07 07.75	+13 11 03.6	658
1992 ST	1992 12 01.27500	01 07 07.86	+13 11 06.0	658
1992 ST	1992 12 01.27814	01 07 07.98	+13 11 08.4	658
1992 TC	1992 12 03.31616	02 24 23.44	+01 08 03.1	658
1992 TC	1992 12 03.31911	02 24 23.61	+01 08 09.6	658
1992 TC	1992 12 03.32187	02 24 23.77	+01 08 16.4	658
1992 UB	1992 12 01.30417	02 21 36.17	+00 19 07.0	658
1992 UB	1992 12 01.30696	02 21 36.25	+00 19 13.7	658
1992 UB	1992 12 01.31251	02 21 36.32	+00 19 26.5	658
1992 UY4	1992 12 01.31669	03 31 00.58	+26 58 22.4	658
1992 UY4	1992 12 01.31944	03 31 00.53	+26 58 20.9	658
1992 UY4	1992 12 01.32553	03 31 00.43	+26 58 17.5	658
1992 UY4	1992 12 02.39896	03 30 42.36	+26 47 17.8	658
1992 UY4	1992 12 02.40175	03 30 42.30	+26 47 15.5	658
1992 UY4	1992 12 02.40453	03 30 42.21	+26 47 14.1	658
1992 UY4	1992 12 03.32778	03 30 29.68	+26 38 05.5	658
1992 UY4	1992 12 03.33056	03 30 29.63	+26 38 03.9	658
1992 UY4	1992 12 03.33333	03 30 29.58	+26 38 02.2	658
(4015)	1992 12 03.52640	08 03 47.96	+20 14 52.1	658
(4015)	1992 12 03.52917	08 03 47.76	+20 14 52.3	658
(4015)	1992 12 03.53264	08 03 47.51	+20 14 52.4	658
(5392)	1992 12 03.33681	03 34 17.93	+25 05 11.1	658
(5392)	1992 12 03.34028	03 34 17.58	+25 05 12.9	658
(5392)	1992 12 03.34307	03 34 17.29	+25 05 14.3	658

670 Camarillo

J. E. Rogers, 441 Rowland Avenue, Camarillo, CA 93010

0.25-m Schmidt-Cassegrain + CCD

GSC

1992 SQ2	1992 12 01.34236	02 24 08.67	+14 04 06.6	670
1992 SQ2	1992 12 01.35935	02 24 08.11	+14 04 03.3	670
1992 WR4	1992 12 13.21063	04 33 36.05	+11 28 34.8	670
1992 WR4	1992 12 13.22407	04 33 36.11	+11 28 27.1	670
1992 WR4	1992 12 13.23859	04 33 36.35	+11 28 16.6	670
1992 WR4	1992 12 13.37442	04 33 36.87	+11 26 46.0	670
1992 WR4	1992 12 13.38776	04 33 36.91	+11 26 35.7	670
1992 WR4	1992 12 13.40156	04 33 37.12	+11 26 27.9	670
1992 WR4	1992 12 13.42243	04 33 37.42	+11 26 12.4	670
1992 WR4	1992 12 13.44245	04 33 37.56	+11 26 00.0	670
1992 WR4	1992 12 13.46433	04 33 37.61	+11 25 43.9	670

16.2 V

1992 WR4	1992 12 17.24768	04 34 43.60	+10 47 31.4	16.7 V	670
1992 WR4	1992 12 17.25839	04 34 43.61	+10 47 27.1		670
1992 WR4	1992 12 17.26884	04 34 43.73	+10 47 20.8		670
1992 WR4	1992 12 19.18367	04 35 25.03	+10 30 51.6	15.9 V	670
1992 WR4	1992 12 19.36395	04 35 27.65	+10 29 25.4		670
1992 WR4	1992 12 19.37489	04 35 27.76	+10 29 22.2		670
1992 WD5	1992 12 15.16085	06 11 44.73	+47 05 33.0	15.1 V	670
1992 WD5	1992 12 17.15186	06 10 25.21	+47 33 27.1		670
1992 WD5	1992 12 17.16254	06 10 24.65	+47 33 36.2		670
1992 WD5	1992 12 17.17298	06 10 24.20	+47 33 45.1		670
1992 WD5	1992 12 17.23096	06 10 21.14	+47 34 34.6		670
1992 WD5	1992 12 20.19654	06 08 05.46	+48 12 36.5	14.7 V	670
1992 WD5	1992 12 20.20561	06 08 05.10	+48 12 45.4		670
1992 WD5	1992 12 20.21599	06 08 04.38	+48 12 52.3		670
1992 WD5	1993 01 04.10103	05 55 17.72	+49 59 47.0	14.9 V	670
1992 WD5	1993 01 04.11531	05 55 16.83	+49 59 49.0		670
1992 WD8	1992 12 22.11966	03 59 05.68	+48 42 47.2	16.4 V	670
1992 WD8	1992 12 22.13004	03 59 05.04	+48 42 34.4		670
1992 WD8	1992 12 22.15122	03 59 03.97	+48 42 13.2		670
1992 WD8	1992 12 22.17007	03 59 02.80	+48 41 51.0		670
(1758)	1992 12 13.23859	04 33 08.73	+11 23 01.4	15.1	670
(1758)	1992 12 13.37442	04 33 01.62	+11 23 12.1		670
(1758)	1992 12 13.38776	04 33 00.91	+11 23 11.9		670
(1758)	1992 12 13.40156	04 33 00.28	+11 23 12.3		670
(1758)	1992 12 13.42243	04 32 59.14	+11 23 15.6		670
(1758)	1992 12 13.44245	04 32 58.34	+11 23 15.8		670
(1758)	1992 12 13.46633	04 32 57.16	+11 23 19.1		670
(4179)	1993 01 04.26290	08 17 12.53	+18 39 51.9	12.5 V	670
(4179)	1993 01 04.27335	08 17 11.37	+18 39 58.7		670
(4179)	1993 01 04.28747	08 17 09.77	+18 40 08.0		670

674 Ford Observatory, Wrightwood

J. B. Child, World Space Foundation, P.O. Box Y, South Pasadena
CA 91031, U.S.A.

Observers J. B. Child, G. Fisch

1992 SQ2	1992 12 02.34016	02 23 40.95	+14 00 09.6		674
1992 SQ2	1992 12 02.34703	02 23 40.74	+14 00 08.0		674
1992 SQ2	1992 12 02.36285	02 23 40.17	+14 00 03.7		674
1992 UO2	1992 08 30.42708	03 08 13.33	+18 50 06.9		674
1992 UO2	1992 08 30.47792	03 08 14.29	+18 50 14.7		674

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)

E. Bowell, Lowell Observatory, 1400 West Mars Hill Road,
Flagstaff, AZ 86001, U.S.A. (6)

9 = 3 + 6

Observers R. Bambery (2, S), B. M. Cudnik (3, S), M. A. Dahn (3, S), R.
Eschelmann (3, S), T. Gehrels (4, L), E. Helin (2, S), H. E. Holt
(3, S), C. T. Kowal (6, L), K. Lawrence (2, S), G. J. Leonard (3, S),
D. H. Levy (3, S), C. M. Olmstead (3, S), C. S. Shoemaker (3, S),
E. M. Shoemaker (3, S)

Measurers S. J. Bus (6), B. M. Cudnik (3), K. Lawrence (2), C. M. Olmstead
(6), C. S. Shoemaker (3), B. A. Skiff (9), C. J. van Houten (4), I. van
Houten-Groeneveld (4), A. Wisse (4)

1.2-m (L) and 0.46-m (S) Schmidt telescopes

1969 UP1	1991 07 16.29010	18 58 38.14	-31 58 52.2	17.5	9	675
1978 VE5	1992 11 22.43090	05 26 31.79	+24 49 24.0	16.0	2	675
1978 VE5	1992 11 22.45903	05 26 30.18	+24 49 30.1		2	675
1978 VE5	1992 11 24.37257	05 24 40.32	+24 54 59.2		2	675
1978 VE5	1992 11 24.39097	05 24 39.43	+24 55 00.9		2	675
1979 HE3	1991 08 10.29236	21 47 30.74	-18 54 01.9	18.5	9	675
1979 HE3	1991 08 10.32517	21 47 28.85	-18 54 12.6		9	675
1981 EE1	1954 02 26.30556	09 39 08.25	+14 24 23.0		6	675
1981 EE1	1954 02 26.32778	09 39 06.97	+14 24 31.6		6	675
1981 RF7	1992 09 30.40642	02 37 21.64	+25 20 11.5	17.0	9	675
1981 RF7	1992 09 30.44844	02 37 20.65	+25 20 28.4		9	675
1982 JR1	1992 11 21.39792	04 50 19.60	+18 01 46.5	16.0	2	675
1982 JR1	1992 11 21.42014	04 50 18.11	+18 01 48.1		2	675
1982 JR1	1992 11 22.33924	04 49 21.16	+18 03 13.9		2	675
1982 RK	1992 09 30.34045	01 41 31.13	-00 05 58.6	16.5	9	675
1982 RK	1992 09 30.37604	01 41 29.45	-00 06 12.0		9	675
1982 RK	1992 10 03.35087	01 39 13.03	-00 25 21.0	16.5	9	675
1982 RK	1992 10 03.38889	01 39 11.04	-00 25 35.6		9	675
1982 RM1	1992 09 30.40642	02 39 04.94	+23 51 06.1		9	675
1982 RM1	1992 09 30.44844	02 39 03.23	+23 51 06.1		9	675
1982 TB2	1992 08 27.28542	22 07 28.86	-03 27 54.2		9	675
1982 TB2	1992 08 27.32309	22 07 26.61	-03 28 04.8		9	675
1982 UD2	1991 07 16.29010	18 52 14.22	-26 30 01.7	17.0	9	675
1982 UD2	1991 07 16.32602	18 52 12.07	-26 30 09.2		9	675
1982 UF2	1992 08 23.27671	21 24 25.08	-04 25 08.7	17.0	9	675
1982 UF2	1992 08 23.30556	21 24 23.40	-04 25 19.1		9	675
1982 VY2	1991 08 08.31128	21 46 18.39	-14 52 41.7	17.8	9	675
1982 VY2	1991 08 08.34045	21 46 16.96	-14 52 50.0		9	675
1983 RY4	1992 08 27.28542	22 02 09.18	+04 37 33.8		9	675
1983 RY4	1992 08 27.32309	22 02 07.23	+04 37 28.6		9	675
1984 AR	1954 07 28.43681	23 41 33.63	-03 04 50.7		6	675
1984 AR	1954 07 28.46111	23 41 33.32	-03 04 52.9		6	675
1984 EG	1992 10 03.35625	02 27 23.22	+04 41 41.4		9	675
1984 EG	1992 10 03.39583	02 27 21.40	+04 41 26.2		9	675
1984 SX5	1990 05 26.28160	14 41 43.33	-05 46 32.4	18.5	9	675
1984 SX5	1990 05 26.31857	14 41 41.64	-05 46 26.1		9	675
1984 SH6	1992 09 30.34688	02 12 21.74	+07 12 53.1	17.8	9	675
1984 SH6	1992 09 30.38316	02 12 20.44	+07 12 41.0		9	675
1984 SH6	1992 10 03.35625	02 10 33.70	+06 56 33.3	17.2	9	675
1984 SH6	1992 10 03.39583	02 10 32.11	+06 56 20.6		9	675
1985 UG2	1954 02 26.30556	09 40 15.39	+13 53 05.2		6	675
1985 UG2	1954 02 26.32778	09 40 14.15	+13 53 11.4		6	675
1985 YH	1992 08 23.27671	21 24 57.47	-00 29 59.9	17.0	9	675
1985 YH	1992 08 23.30556	21 24 55.82	-00 30 05.5		9	675
1985 YH	1992 08 28.27153	21 20 42.25	-00 45 34.9		9	675
1986 CV1	1992 08 21.30712	22 03 42.09	+03 56 36.4		9	675
1986 CV1	1992 08 21.37795	22 03 37.62	+03 56 44.2		9	675
1986 CV1	1992 08 27.28542	21 57 37.45	+04 03 22.8		9	675
1986 JQ	1992 11 21.24444	02 24 59.07	+08 33 20.2	16	2	675
1986 JQ	1992 11 21.26615	02 24 57.92	+08 32 58.0		2	675
1986 JQ	1992 11 24.17500	02 22 53.72	+07 46 10.1		2	675
1986 JQ	1992 11 24.20087	02 22 52.60	+07 45 47.6		2	675
1987 MM1	1992 08 21.30712	21 56 46.85	-00 49 29.9		9	675
1987 MM1	1992 08 21.37795	21 56 43.65	-00 50 01.6		9	675
1987 MM1	1992 08 27.28542	21 52 31.18	-01 36 28.9		9	675
1987 MM1	1992 08 27.32309	21 52 29.46	-01 36 47.3		9	675
1987 SZ3	1954 07 28.43681	23 35 54.34	-07 13 04.4		6	675
1987 SZ3	1954 07 28.46111	23 35 55.21	-07 13 10.7		6	675
1987 SZ3	1954 09 28.27708	23 27 02.33	-15 45 20.3		6	675

1987 SZ3		1954 09 28.30556	23 27 01.65	-15 45 27.2		6 675
1987 ST11		1971 05 16.29774	12 08 58.28	+02 56 42.5	18.0	4 675
1987 WS3		1991 12 08.21406	01 45 08.24	+16 23 41.6	15.5	2 675
1987 WS3		1991 12 08.24271	01 45 08.84	+16 23 24.7		2 675
1988 RR2		1992 09 30.34688	01 59 38.74	+08 27 49.8		9 675
1988 RR2		1992 09 30.38316	01 59 36.92	+08 27 36.7		9 675
1988 RX4		1992 09 30.34688	02 21 28.51	+06 52 23.0	16.8	9 675
1988 RX4		1992 09 30.38316	02 21 27.19	+06 52 14.5		9 675
1988 RX4		1992 10 03.35625	02 19 41.19	+06 39 40.5	16.8	9 675
1988 RX4		1992 10 03.39583	02 19 39.55	+06 39 30.8		9 675
1988 RW12		1992 08 07.34688	22 09 37.99	-06 50 56.3	17.8	9 675
1988 RW12		1992 08 07.38194	22 09 36.44	-06 50 59.2		9 675
1988 RJ14	*	1988 09 15.36736	23 19 25.71	-14 21 56.5	17.8	9 675
1988 RJ14		1988 09 15.40938	23 19 23.64	-14 22 18.2		9 675
1988 RJ14		1988 09 16.28872	23 18 43.17	-14 29 58.9		9 675
1988 VB1		1992 09 30.40642	02 20 53.83	+24 03 06.6	17.2	9 675
1988 VB1		1992 09 30.44844	02 20 51.67	+24 03 25.3		9 675
1989 ES		1992 09 29.37170	02 02 53.42	+00 01 27.3		9 675
1989 ES		1992 09 29.40764	02 02 52.20	+00 01 08.9		9 675
1989 ES		1992 10 04.44045	02 00 06.92	-00 42 14.8		9 675
1989 ES		1992 10 04.48316	02 00 05.31	-00 42 37.5		9 675
1989 ES		1992 11 24.11806	01 30 15.47	-05 45 39.1	16.5	2 675
1989 ES		1992 11 24.14358	01 30 14.92	-05 45 41.4		2 675
1989 XO		1992 08 25.33958	22 46 22.79	+01 33 52.0	16.8	9 675
1989 XO		1992 08 25.37674	22 46 20.63	+01 33 45.8		9 675
1989 YM		1992 08 23.27671	21 35 17.67	-04 39 17.6	17.2	9 675
1989 YM		1992 08 23.30556	21 35 16.05	-04 39 19.2		9 675
1989 YM		1992 08 28.27153	21 30 42.80	-04 47 50.1		9 675
1989 YM		1992 08 28.30625	21 30 40.88	-04 47 54.0		9 675
1990 DM3		1954 07 28.43681	23 39 08.75	-06 23 58.4		6 675
1990 DM3		1954 07 28.46111	23 39 08.59	-06 23 57.1		6 675
1990 KG		1990 05 26.35069	15 57 25.61	+05 04 59.2	16.5	9 675
1990 KG		1990 05 26.37951	15 57 23.96	+05 04 49.4		9 675
1990 KP3	*	1990 05 26.28160	14 44 16.56	-06 03 42.0	16.8	9 675
1990 KP3		1990 05 26.31857	14 44 14.47	-06 03 56.2		9 675
1990 KQ3	*	1990 05 26.28160	14 57 29.72	-06 40 57.9	18.5	9 675
1990 KQ3		1990 05 26.31857	14 57 27.57	-06 40 51.6		9 675
1990 KR3	*	1990 05 26.28160	15 04 34.92	-05 20 42.6	18.8	9 675
1990 KR3		1990 05 26.31857	15 04 32.99	-05 20 50.7		9 675
1990 KS3	*	1990 05 26.34322	16 00 07.75	-08 09 04.0	17.5	9 675
1990 KS3		1990 05 26.37291	16 00 06.23	-08 09 03.0		9 675
1990 KT3	*	1990 05 26.34322	16 07 52.34	-10 53 36.1	18.2	9 675
1990 KT3		1990 05 26.37291	16 07 50.91	-10 53 36.8		9 675
1990 MV		1991 12 07.30781	04 22 37.81	+14 33 29.2	16.0	2 675
1990 MV		1991 12 07.33264	04 22 36.12	+14 33 30.7		2 675
1990 OV5	*	1990 07 26.35677	21 39 13.20	-23 14 09.5	18.0	9 675
1990 OV5		1990 07 26.38785	21 39 11.40	-23 14 22.6		9 675
1990 OW5	*	1990 07 26.35677	21 40 54.89	-23 09 41.7	17.5	9 675
1990 OW5		1990 07 26.38785	21 40 53.31	-23 09 54.2		9 675
1990 OX5	*	1990 07 26.35677	21 43 52.77	-22 41 17.9	17.2	9 675
1990 OX5		1990 07 26.38785	21 43 51.29	-22 41 29.9		9 675
1990 OY5	*	1990 07 29.34497	21 34 04.34	+05 59 01.9	16.5	9 675
1990 OY5		1990 07 29.37857	21 34 02.79	+05 59 09.3		9 675
1990 SN29	*	1990 09 17.41736	01 37 19.69	-03 00 08.5	17.2	9 675
1990 SN29		1990 09 17.45139	01 37 18.71	-03 00 25.4		9 675
1991 FC		1992 09 30.34688	02 14 04.75	+03 36 40.2	16.5	9 675
1991 FC		1992 09 30.38316	02 14 03.38	+03 35 49.5		9 675
1991 FC		1992 10 04.44045	02 11 29.17	+01 59 37.2	16.5	9 675
1991 FC		1992 10 04.48316	02 11 27.28	+01 58 35.4		9 675

1991 FC		1992 11	24.12465	01 33	35.61	-12 53	47.4	16.0	2	675
1991 FC		1992 11	24.14983	01 33	35.13	-12 53	54.2		2	675
1991 FN		1992 11	19.21076	01 02	56.01	+28 13	55.6	16.5	2	675
1991 FN		1992 11	19.23785	01 02	54.13	+28 13	54.3		2	675
1991 FN		1992 11	24.11146	00 58	43.64	+28 07	25.5		2	675
1991 FN		1992 11	24.13715	00 58	42.36	+28 07	22.9		2	675
1991 GV1		1992 11	24.11806	01 28	35.39	-03 41	31.0	16.0	2	675
1991 GV1		1992 11	24.14358	01 28	34.69	-03 41	27.2		2	675
1991 JD1		1992 11	19.26372	02 17	02.44	+21 51	41.5	16.0	2	675
1991 JD1		1992 11	19.28958	02 17	01.08	+21 51	27.2		2	675
1991 JD1		1992 11	24.15729	02 13	24.36	+21 07	46.7		2	675
1991 JD1		1992 11	24.18125	02 13	23.38	+21 07	34.2		2	675
1991 NP		1992 11	22.48472	05 42	35.81	+41 13	14.5	16.5	2	675
1991 NP		1992 11	24.39809	05 40	18.47	+41 05	27.3		2	675
1991 NP		1992 11	24.42865	05 40	16.18	+41 05	17.7		2	675
1991 NU		1992 11	19.32101	03 28	58.18	+16 24	46.3	16.0	2	675
1991 NU		1992 11	19.33976	03 28	57.10	+16 24	37.6		2	675
1991 NU		1992 11	21.28993	03 27	09.46	+16 08	38.2		2	675
1991 NU		1992 11	21.31458	03 27	08.02	+16 08	24.9		2	675
1991 NY7	*	1991 07	14.38177	21 01	24.78	-22 44	12.7	17.8	9	675
1991 NY7		1991 07	14.42170	21 01	22.86	-22 44	15.8		9	675
1991 NZ7	*	1991 07	08.28368	16 33	26.54	-18 50	31.1	17.2	2	675
1991 NZ7		1991 07	08.30816	16 33	25.54	-18 50	29.5		2	675
1991 NZ7		1991 07	10.24201	16 32	29.68	-18 50	42.8		2	675
1991 NZ7		1991 07	10.26701	16 32	28.80	-18 50	41.2		2	675
1991 OP		1991 09	14.22390	21 05	54.36	-08 56	17.6	17.2	9	675
1991 OP		1991 09	14.26053	21 05	53.64	-08 56	29.9		9	675
1991 PC1		1991 09	14.30590	22 23	03.24	-12 28	09.6	17.5	9	675
1991 PQ2		1991 07	14.38177	21 12	33.44	-19 48	32.5	17.5	9	675
1991 PQ2		1991 07	14.42170	21 12	31.71	-19 48	39.6	17.8	9	675
1991 PA5		1991 07	12.38229	21 34	17.83	-14 47	48.1	18.2	9	675
1991 PA5		1991 07	12.41736	21 34	16.74	-14 47	45.9		9	675
1991 PD6		1991 08	08.31128	21 51	42.29	-13 51	11.5	18.5	9	675
1991 PD6		1991 08	08.34045	21 51	40.78	-13 51	17.8		9	675
1991 PL17		1991 09	12.20822	21 42	16.19	-04 43	05.2	17.2	9	675
1991 PL17		1991 09	12.26152	21 42	13.52	-04 43	02.3		9	675
1991 PV19	*	1991 08	10.35599	22 18	04.83	-14 15	49.0		9	675
1991 PV19		1991 08	10.39149	22 18	03.18	-14 15	59.9	17.5	9	675
1991 RC2		1991 08	08.42483	23 34	27.94	-01 51	48.8	17.8	9	675
1991 RO6		1991 08	09.33872	22 10	31.47	-03 04	34.6	17.2	9	675
1991 RO6		1991 08	09.37257	22 10	29.96	-03 04	37.8		9	675
1991 RV6		1991 08	09.33872	22 30	41.38	-04 20	24.9		9	675
1991 RV6		1991 08	09.37257	22 30	39.79	-04 20	30.1		9	675
1991 RP12		1991 08	10.29236	21 59	16.14	-19 05	15.6	16.8	9	675
1991 RP12		1991 08	10.32517	21 59	13.98	-19 05	16.0		9	675
1991 RE14		1991 09	10.37515	00 19	51.92	+06 27	51.3		9	675
1991 RY29		1991 08	08.43003	23 05	02.57	+03 17	50.4	18.5	9	675
1991 RY29		1991 08	08.46441	23 05	01.54	+03 17	53.5		9	675
1991 RJ31		1991 09	14.42865	01 27	57.15	+14 28	52.2	17.0	9	675
1991 RJ31		1991 09	14.47951	01 27	55.18	+14 28	47.5		9	675
1991 RZ35	*	1991 09	14.29740	22 27	25.70	-24 37	55.7	17.8	9	675
1991 RZ35		1991 09	14.34705	22 27	23.59	-24 38	14.6		9	675
1991 RZ35		1991 09	16.27778	22 26	13.25	-24 50	05.6	18.0	9	675
1991 RZ35		1991 09	16.32500	22 26	11.37	-24 50	22.0		9	675
1991 TD4		1991 11	01.22552	01 53	55.00	-09 07	45.7	16.5	2	675
1991 TD4		1991 11	01.24826	01 53	54.37	-09 07	59.0		2	675
1991 TH6		1991 09	13.39444	00 19	59.75	+07 40	33.7	18.5	9	675
1991 TH6		1991 09	13.43212	00 19	57.89	+07 40	22.3		9	675
1991 TL6		1991 09	15.37153	00 19	21.15	+07 18	48.9		9	675

1991 TL6	1991 09 15.40851	00 19 19.43	+07 18 39.7	18.2	9 675
1991 TQ7	1991 09 10.37515	00 33 11.91	+03 36 41.4		9 675
1991 TQ7	1991 09 10.42622	00 33 08.99	+03 36 42.9		9 675
1991 TX7	1991 09 17.40885	00 25 17.01	+05 36 44.3		9 675
1991 TX7	1991 09 17.45938	00 25 14.54	+05 36 33.8	17.8	9 675
1991 UJ4	1954 02 26.31945	09 39 53.96	+13 49 35.8		6 675
1991 UJ4	1954 02 26.32778	09 39 53.33	+13 49 37.3		6 675
1991 VT	1991 12 07.25087	02 53 14.50	+12 02 30.7	16.0	2 675
1991 VT	1991 12 07.28056	02 53 13.18	+12 02 42.9		2 675
1991 VW6	1991 11 07.34531	04 10 14.39	+09 33 36.1	18.0	9 675
1991 VW6	1991 11 07.37882	04 10 12.93	+09 33 18.3		9 675
1991 VG7	1991 12 01.26024	03 39 10.62	+19 45 35.3	17.2	9 675
1991 VG7	1991 12 01.29844	03 39 08.55	+19 45 37.3		9 675
1992 AJ	1954 09 28.27708	23 23 58.99	-16 38 15.8		6 675
1992 AJ	1954 09 28.30556	23 23 58.09	-16 38 25.1		6 675
1992 BW3	1991 12 01.26024	03 28 09.54	+20 33 25.7	18.0	9 675
1992 BW3	1991 12 01.29844	03 28 07.58	+20 33 24.7		9 675
1992 HD	1954 07 28.43681	23 33 34.05	-05 49 55.5		6 675
1992 HD	1954 07 28.46111	23 33 33.65	-05 50 00.6		6 675
1992 LR	1992 08 24.26476	21 38 06.83	+05 54 56.7		9 675
1992 LR	1992 08 24.30660	21 38 16.12	+05 54 38.8		9 675
1992 NA	1992 11 25.39045	04 18 47.81	+54 04 46.3	17.1	3 675
1992 NA	1992 11 25.41892	04 18 45.13	+54 04 17.6		3 675
1992 NA	1992 11 30.36615	04 12 08.07	+52 36 32.9		3 675
1992 OM	1992 08 22.34410	22 21 37.28	+00 15 23.2	17.0	9 675
1992 PG2	1992 08 23.27671	21 20 08.69	-03 00 41.8		9 675
1992 PG2	1992 08 23.30556	21 20 07.59	-03 00 57.6	17.2	9 675
1992 PH2	1992 08 23.27671	21 19 42.88	-02 43 26.5	17.0	9 675
1992 PH2	1992 08 23.30556	21 19 41.45	-02 43 30.7		9 675
1992 PJ2	1992 08 23.27671	21 25 44.14	-02 14 22.6	16.8	9 675
1992 PJ2	1992 08 23.30556	21 25 43.16	-02 14 37.2		9 675
1992 PL2	1992 08 23.27671	21 22 26.58	+00 05 42.7	17.2	9 675
1992 PL2	1992 08 23.30556	21 22 25.12	+00 05 41.5		9 675
1992 PM2	1992 08 23.30556	21 26 03.66	-04 25 48.1	17.0	9 675
1992 PM2	1992 08 28.27153	21 22 26.70	-04 49 22.7		9 675
1992 PM2	1992 08 28.30625	21 22 25.36	-04 49 32.4		9 675
1992 PN2	1992 08 21.30712	21 58 51.64	-00 58 18.5		9 675
1992 PN2	1992 08 21.37795	21 58 47.80	-00 58 38.9		9 675
1992 PN2	1992 08 27.28542	21 53 46.82	-01 27 47.8		9 675
1992 PN2	1992 08 27.32309	21 53 44.78	-01 27 59.5		9 675
1992 PO2	1992 08 21.30712	22 05 48.22	-00 30 29.8		9 675
1992 PO2	1992 08 21.37795	22 05 44.55	-00 30 57.1		9 675
1992 PO2	1992 08 27.28542	22 00 51.37	-01 13 41.8		9 675
1992 PO2	1992 08 27.32309	22 00 49.38	-01 13 58.8		9 675
1992 PQ2	1992 08 21.30712	22 07 04.66	-00 51 50.9		9 675
1992 PQ2	1992 08 21.37795	22 07 00.52	-00 52 06.3		9 675
1992 PQ2	1992 08 27.28542	22 01 20.75	-01 10 39.5		9 675
1992 PQ2	1992 08 27.32309	22 01 18.42	-01 10 47.6		9 675
1992 PT2	1992 08 22.30747	22 18 40.33	-02 17 14.1	17.5	9 675
1992 PT2	1992 08 22.34410	22 18 38.31	-02 17 23.6		9 675
1992 PU2	1992 08 22.30747	22 23 34.51	-00 52 57.6	17.5	9 675
1992 PU2	1992 08 22.34410	22 23 32.84	-00 53 10.8		9 675
1992 PU2	1992 08 28.35191	22 18 57.63	-01 31 33.8		9 675
1992 PU2	1992 08 28.38681	22 18 55.88	-01 31 46.4		9 675
1992 PV2	1992 08 23.27671	21 32 40.44	-02 06 30.7	17.5	9 675
1992 PV2	1992 08 23.30556	21 32 39.06	-02 06 35.6		9 675
1992 PV2	1992 08 28.27153	21 28 49.65	-02 19 52.2		9 675
1992 PV2	1992 08 28.30625	21 28 48.08	-02 19 59.2		9 675
1992 PW2	1992 08 23.27671	21 43 07.99	+00 14 12.7	18.5	9 675

1992 PW2		1992 08 23.30556	21 43 06.80	+00 14 01.5		9 675
1992 PW2		1992 08 28.27153	21 40 00.66	-00 17 25.9		9 675
1992 PW2		1992 08 28.30625	21 39 59.30	-00 17 38.9		9 675
1992 PX2		1992 08 23.27671	21 40 18.52	-00 46 40.7	17.5	9 675
1992 PX2		1992 08 23.30556	21 40 16.92	-00 46 44.5		9 675
1992 PX2		1992 08 28.27153	21 35 45.78	-00 58 22.8		9 675
1992 PX2		1992 08 28.30625	21 35 43.87	-00 58 27.1		9 675
1992 PY2		1992 08 24.26476	21 41 05.52	+02 53 48.8		9 675
1992 PY2		1992 08 24.30660	21 41 03.02	+02 53 46.2		9 675
1992 PA3		1992 08 21.30712	21 48 57.61	-00 24 20.1		9 675
1992 PA3		1992 08 21.37795	21 48 54.32	-00 25 02.6		9 675
1992 PA3		1992 08 28.27153	21 43 57.17	-01 36 41.3		9 675
1992 PA3		1992 08 28.30625	21 43 55.62	-01 37 04.7		9 675
1992 PC3		1992 08 21.30712	21 52 31.08	+04 09 38.6		9 675
1992 PC3		1992 08 21.37795	21 52 27.45	+04 09 32.8		9 675
1992 PC3		1992 08 24.26476	21 50 06.03	+04 05 03.8		9 675
1992 PC3		1992 08 24.30660	21 50 03.88	+04 04 59.6	17.2	9 675
1992 PE3		1992 08 21.30712	21 57 18.39	+00 34 51.9		9 675
1992 PE3		1992 08 21.37795	21 57 14.63	+00 34 34.5		9 675
1992 PE3		1992 08 27.28542	21 52 24.44	+00 07 01.2		9 675
1992 PE3		1992 08 27.32309	21 52 22.47	+00 06 48.8		9 675
1992 PH3		1992 08 23.27671	21 29 40.09	-05 37 52.9	17.8	9 675
1992 PH3		1992 08 23.30556	21 29 38.51	-05 37 56.6		9 675
1992 PS6	*	1992 08 06.43490	22 40 28.79	+01 30 04.3	17.8	9 675
1992 PS6		1992 08 06.48056	22 40 26.85	+01 30 00.6		9 675
1992 PS6		1992 08 22.30747	22 27 51.12	+00 45 11.9	17.5	9 675
1992 PS6		1992 08 22.34410	22 27 49.07	+00 45 02.0		9 675
1992 PS6		1992 08 28.35191	22 22 17.25	+00 16 16.7		9 675
1992 PS6		1992 08 28.38681	22 22 15.19	+00 16 06.0		9 675
1992 QK		1992 08 22.30747	22 30 17.42	+00 28 29.9	17.2	9 675
1992 QK		1992 08 22.34410	22 30 15.33	+00 28 27.3		9 675
1992 QK		1992 08 28.35191	22 24 44.22	+00 18 29.9		9 675
1992 QK		1992 08 28.38681	22 24 42.16	+00 18 25.1		9 675
1992 QU1	*	1992 08 23.27671	21 28 22.75	-02 22 22.2	17.8	9 675
1992 QU1		1992 08 23.30556	21 28 21.21	-02 22 37.3		9 675
1992 QU1		1992 08 28.27153	21 24 29.75	-03 07 33.8		9 675
1992 QU1		1992 08 28.30625	21 24 28.07	-03 07 54.2		9 675
1992 QV1	*	1992 08 23.27671	21 36 19.55	-01 56 04.4	18.2	9 675
1992 QV1		1992 08 23.30556	21 36 17.99	-01 56 16.2		9 675
1992 QV1		1992 08 28.27153	21 32 10.14	-02 27 06.8		9 675
1992 QV1		1992 08 28.30625	21 32 08.48	-02 27 22.6		9 675
1992 QW1	*	1992 08 23.27671	21 41 02.13	-04 41 37.6	17.5	9 675
1992 QW1		1992 08 23.30556	21 41 00.59	-04 41 47.7		9 675
1992 QW1		1992 08 28.27153	21 37 16.16	-05 09 33.3		9 675
1992 QW1		1992 08 28.30625	21 37 14.58	-05 09 46.1		9 675
1992 QX1	*	1992 08 23.27671	21 44 11.50	-01 27 32.9	17.5	9 675
1992 QX1		1992 08 23.30556	21 44 10.12	-01 27 40.1		9 675
1992 QX1		1992 08 28.27153	21 40 31.18	-01 48 42.7		9 675
1992 QX1		1992 08 28.30625	21 40 29.69	-01 48 50.1		9 675
1992 QY1	*	1992 08 21.30712	22 02 13.60	-02 07 37.7	18.0	9 675
1992 QY1		1992 08 21.37795	22 02 10.10	-02 07 49.0		9 675
1992 QY1		1992 08 27.28542	21 57 31.13	-02 24 41.5		9 675
1992 QY1		1992 08 27.32309	21 57 29.24	-02 24 48.8		9 675
1992 QZ1	*	1992 08 21.30712	22 05 34.35	+03 16 57.1	17.2	9 675
1992 QZ1		1992 08 21.37795	22 05 29.76	+03 17 03.7		9 675
1992 QZ1		1992 08 27.28542	21 59 28.86	+03 22 09.6		9 675
1992 QZ1		1992 08 27.32309	21 59 26.46	+03 22 10.7		9 675
1992 QA2	*	1992 08 21.30712	22 06 23.63	-02 36 43.8	17.8	9 675
1992 QA2		1992 08 21.37795	22 06 19.54	-02 36 49.3		9 675

1992 QA2		1992 08	27.28542	22 00	51.45	-02 48	38.9		9	675
1992 QA2		1992 08	27.32309	22 00	49.20	-02 48	45.3		9	675
1992 QB2	*	1992 08	21.30712	22 08	03.25	-02 43	36.2	18.0	9	675
1992 QB2		1992 08	21.37795	22 07	58.78	-02 43	30.7		9	675
1992 QB2		1992 08	27.28542	22 01	46.19	-02 36	54.3		9	675
1992 QB2		1992 08	27.32309	22 01	43.72	-02 36	53.2		9	675
1992 QC2	*	1992 08	22.30747	22 20	21.21	-01 17	23.6	17.8	9	675
1992 QC2		1992 08	22.34410	22 20	19.53	-01 17	40.5		9	675
1992 QC2		1992 08	28.35191	22 15	54.91	-02 03	56.3		9	675
1992 QC2		1992 08	28.38681	22 15	53.26	-02 04	13.7		9	675
1992 QD2	*	1992 08	22.30747	22 25	02.71	-00 14	13.5	17.8	9	675
1992 QD2		1992 08	22.34410	22 25	01.20	-00 14	11.2		9	675
1992 QD2		1992 08	28.35191	22 21	11.51	-00 12	49.5		9	675
1992 QD2		1992 08	28.38681	22 21	10.00	-00 12	50.8		9	675
1992 QE2	*	1992 08	22.30747	22 41	17.23	+02 13	22.7		9	675
1992 QE2		1992 08	22.34410	22 41	16.02	+02 13	00.8		9	675
1992 QE2		1992 08	25.33958	22 39	36.06	+01 42	04.3	17.0	9	675
1992 QE2		1992 08	25.37674	22 39	34.77	+01 41	40.5		9	675
1992 QE2		1992 08	28.35191	22 37	52.01	+01 09	11.2		9	675
1992 QE2		1992 08	28.38681	22 37	50.68	+01 08	47.8		9	675
1992 QF2		1992 08	25.33958	22 37	22.85	+04 38	35.5	17.5	9	675
1992 QF2		1992 08	25.37674	22 37	20.71	+04 38	35.0		9	675
1992 QF2	*	1992 08	28.35191	22 34	31.83	+04 37	40.9		9	675
1992 QF2		1992 08	28.38681	22 34	29.75	+04 37	39.3		9	675
1992 QG2		1992 08	25.33958	22 41	36.52	+02 19	18.7	17.5	9	675
1992 QG2		1992 08	25.37674	22 41	34.25	+02 19	10.8		9	675
1992 QG2	*	1992 08	28.35191	22 38	43.68	+02 09	16.7		9	675
1992 QG2		1992 08	28.38681	22 38	41.53	+02 09	09.2		9	675
1992 SP		1954 02	26.30556	09 35	26.68	+12 51	09.5		6	675
1992 SP		1954 02	26.32778	09 35	25.28	+12 51	09.5		6	675
1992 ST		1992 11	19.21719	01 02	16.79	+10 39	15.5	16.0	2	675
1992 ST		1992 11	19.24549	01 02	16.87	+10 39	35.9		2	675
1992 ST		1992 11	21.15694	01 02	36.52	+11 03	07.5		2	675
1992 ST		1992 11	21.18212	01 02	36.79	+11 03	28.1		2	675
1992 SU		1992 09	30.34045	01 44	56.83	-00 12	15.2	16.8	9	675
1992 SU		1992 09	30.37604	01 44	55.65	-00 12	42.9		9	675
1992 SU		1992 10	01.35938	01 44	25.42	-00 25	42.7	16.5	3	675
1992 SU		1992 10	01.39792	01 44	24.51	-00 26	11.0		3	675
1992 SU		1992 10	03.35087	01 43	21.50	-00 52	09.0	16.8	9	675
1992 SU		1992 10	03.38889	01 43	20.15	-00 52	39.0		9	675
1992 SD1		1992 09	30.34045	01 29	31.45	-00 41	47.8	17.5	9	675
1992 SD1		1992 09	30.37604	01 29	29.43	-00 41	51.8		9	675
1992 SD1		1992 10	03.35087	01 26	41.04	-00 47	32.1		9	675
1992 SD1		1992 10	03.38889	01 26	38.72	-00 47	39.6		9	675
1992 SL1		1992 09	30.40642	02 19	10.19	+28 16	01.5	16.8	9	675
1992 SL1		1992 09	30.44844	02 19	07.09	+28 16	45.1		9	675
1992 SN1		1992 11	19.18090	00 18	11.51	+10 33	59.7	16.0	2	675
1992 SN1		1992 11	19.20382	00 18	11.41	+10 34	07.7		2	675
1992 SN1		1992 11	21.15104	00 18	05.41	+10 45	34.4		2	675
1992 SN1		1992 11	21.17622	00 18	05.38	+10 45	40.9		2	675
1992 SF14		1992 11	19.21719	01 06	29.89	+13 24	09.9	16.0	2	675
1992 SF14		1992 11	19.24549	01 06	30.47	+13 23	41.3		2	675
1992 SF14		1992 11	21.15694	01 07	22.38	+12 51	02.1		2	675
1992 SF14		1992 11	21.18212	01 07	23.19	+12 50	38.4		2	675
1992 SW17		1992 11	19.21076	00 57	19.35	+28 00	17.2	15.0	2	675
1992 SW17		1992 11	19.23785	00 57	19.07	+28 00	00.5		2	675
1992 SW17		1992 11	24.11146	00 56	55.26	+27 10	12.2		2	675
1992 SW17		1992 11	24.13715	00 56	55.13	+27 09	57.5		2	675
1992 SE23	*	1992 09	29.37170	01 57	58.46	+01 03	28.7		9	675

1992 SE23		1992 09	29.40764	01 57	56.99	+01 03	17.2		9	675
1992 SE23		1992 10	04.44045	01 54	40.32	+00 37	14.6	17.5	9	675
1992 SE23		1992 10	04.48316	01 54	38.44	+00 37	01.8		9	675
1992 SF23	*	1992 09	29.37170	02 00	19.53	+02 32	04.1		9	675
1992 SF23		1992 09	29.40764	02 00	18.03	+02 31	59.4		9	675
1992 SF23		1992 10	04.44045	01 56	56.61	+02 21	55.8	17.5	9	675
1992 SF23		1992 10	04.48316	01 56	54.53	+02 21	50.7		9	675
1992 SG23	*	1992 09	29.37170	02 04	07.19	+00 45	24.7		9	675
1992 SG23		1992 09	29.40764	02 04	05.80	+00 45	12.3		9	675
1992 SG23		1992 10	04.44045	02 00	59.13	+00 14	24.3	17.5	9	675
1992 SG23		1992 10	04.48316	02 00	57.20	+00 14	09.1		9	675
1992 SH23	*	1992 09	29.37170	02 04	55.75	+02 42	44.3		9	675
1992 SH23		1992 09	29.40764	02 04	54.25	+02 42	29.2		9	675
1992 SH23		1992 10	04.44045	02 01	35.01	+02 05	20.6	17.5	9	675
1992 SH23		1992 10	04.48316	02 01	32.92	+02 05	01.9		9	675
1992 SJ23	*	1992 09	29.37170	02 08	14.63	+01 59	10.9		9	675
1992 SJ23		1992 09	29.40764	02 08	13.46	+01 59	01.8		9	675
1992 SJ23		1992 10	04.44045	02 04	53.93	+01 34	39.6	18.0	9	675
1992 SJ23		1992 10	04.48316	02 04	51.85	+01 34	26.6		9	675
1992 SK23	*	1992 09	30.34688	02 10	53.41	+08 48	41.7	17.5	9	675
1992 SK23		1992 09	30.38316	02 10	52.12	+08 48	32.3		9	675
1992 SK23		1992 10	03.35625	02 09	01.33	+08 35	18.9	17.5	9	675
1992 SK23		1992 10	03.39583	02 08	59.77	+08 35	09.0		9	675
1992 SL23	*	1992 09	30.34688	02 14	19.57	+09 43	49.7	17.5	9	675
1992 SL23		1992 09	30.38316	02 14	17.84	+09 43	55.7		9	675
1992 SL23		1992 10	03.35625	02 11	54.26	+09 51	52.4	17.5	9	675
1992 SL23		1992 10	03.39583	02 11	52.16	+09 51	58.5		9	675
1992 SM23	*	1992 09	30.34688	02 15	17.44	+08 12	29.5	17.5	9	675
1992 SM23		1992 09	30.38316	02 15	16.20	+08 12	24.2		9	675
1992 SM23		1992 10	03.35625	02 13	31.55	+08 05	32.7	17.5	9	675
1992 SM23		1992 10	03.39583	02 13	30.03	+08 05	26.9		9	675
1992 SN23	*	1992 09	30.34045	01 27	51.84	-04 06	52.8	17.0	9	675
1992 SN23		1992 09	30.37604	01 27	49.56	-04 06	57.2		9	675
1992 SN23		1992 10	03.35087	01 24	37.63	-04 11	32.1		9	675
1992 SN23		1992 10	03.38889	01 24	34.96	-04 11	36.0		9	675
1992 SO23	*	1992 09	30.34045	01 39	21.40	-00 16	48.6	17.0	9	675
1992 SO23		1992 09	30.37604	01 39	19.66	-00 17	00.2		9	675
1992 SO23		1992 10	01.35938	01 38	32.53	-00 22	31.5	17.0	3	675
1992 SO23		1992 10	01.39792	01 38	30.74	-00 22	45.8		3	675
1992 SO23		1992 10	03.35087	01 36	54.16	-00 33	35.4	17.0	9	675
1992 SO23		1992 10	03.38889	01 36	52.10	-00 33	47.8		9	675
1992 SP23	*	1992 09	30.34045	01 45	30.74	-00 23	45.8	17.5	9	675
1992 SP23		1992 09	30.37604	01 45	29.22	-00 24	05.0		9	675
1992 SP23		1992 10	03.35087	01 43	24.92	-00 51	07.3	17.5	9	675
1992 SP23		1992 10	03.38889	01 43	23.16	-00 51	27.4		9	675
1992 TC		1992 11	20.21736	02 13	38.20	-08 30	23.0	17	2	675
1992 TC		1992 11	20.23090	02 13	38.81	-08 29	44.6		2	675
1992 TY		1992 09	30.34045	01 37	45.85	+00 54	24.6		9	675
1992 TY		1992 09	30.37604	01 37	43.93	+00 54	07.6		9	675
1992 TY		1992 10	03.35087	01 35	02.82	+00 30	50.5	17.0	9	675
1992 TY		1992 10	03.38889	01 35	00.64	+00 30	33.6		9	675
1992 TN1		1992 09	30.34688	02 12	49.38	+03 56	47.5	16.8	9	675
1992 TN1		1992 09	30.38316	02 12	48.00	+03 56	29.4		9	675
1992 TN1		1992 10	03.35625	02 10	58.06	+03 31	13.2	16.8	9	675
1992 TN1		1992 10	03.39583	02 10	56.40	+03 30	53.9		9	675
1992 TN1	*	1992 10	04.44045	02 10	14.05	+03 21	57.7	17.0	9	675
1992 TN1		1992 10	04.48316	02 10	12.15	+03 21	35.4		9	675
1992 UR		1977 10	22.38542	01 10	41.09	-02 01	47.3		4	675
1992 UR		1977 10	22.44878	01 10	36.54	-02 01	22.4		4	675

1992 US1	1992 09	30.34688	02 14	55.32	+06 32	25.8	17.8	9	675
1992 US1	1992 09	30.38316	02 14	53.67	+06 32	25.6		9	675
1992 US1	1992 10	03.35625	02 12	34.98	+06 32	11.1	17.8	9	675
1992 US1	1992 10	03.39583	02 12	32.90	+06 32	11.3		9	675
1992 UZ1	1992 09	30.40642	02 33	45.57	+25 02	56.7	17.2	9	675
1992 UZ1	1992 09	30.44844	02 33	44.39	+25 03	01.3		9	675
1992 UB2	1992 09	30.34688	02 15	18.66	+07 49	00.4	16.8	9	675
1992 UB2	1992 09	30.38316	02 15	17.49	+07 48	47.0		9	675
1992 UB2	1992 10	03.35625	02 13	38.74	+07 28	39.0	16.8	9	675
1992 UB2	1992 10	03.39583	02 13	37.18	+07 28	22.7		9	675
1992 UK2	1992 11	19.26372	02 07	14.10	+20 33	27.0	15.5	2	675
1992 UK2	1992 11	19.28958	02 07	12.44	+20 33	34.1		2	675
1992 UK2	1992 11	24.15729	02 02	40.35	+20 56	53.3		2	675
1992 UK2	1992 11	24.18125	02 02	39.03	+20 57	01.8		2	675
1992 UU2	1992 09	30.34045	01 42	37.79	-01 33	58.2	16.5	9	675
1992 UU2	1992 09	30.37604	01 42	36.06	-01 34	05.9		9	675
1992 UU2	1992 10	03.35087	01 40	15.56	-01 44	26.6	16.5	9	675
1992 UU2	1992 10	03.38889	01 40	13.56	-01 44	34.3		9	675
1992 UW2	1992 09	30.34688	02 19	37.34	+06 56	00.5	17.2	9	675
1992 UW2	1992 09	30.38316	02 19	35.66	+06 55	59.1		9	675
1992 UW2	1992 10	03.35625	02 17	21.46	+06 53	46.5	17.2	9	675
1992 UW2	1992 10	03.39583	02 17	19.45	+06 53	45.2		9	675
1992 UN4	1992 11	21.24444	02 29	33.67	+04 59	55.8	15.5	2	675
1992 UN4	1992 11	21.26615	02 29	32.57	+05 00	00.1		2	675
1992 UN4	1992 11	24.17500	02 27	21.39	+05 09	01.5		2	675
1992 UN4	1992 11	24.20087	02 27	20.25	+05 09	08.2		2	675
1992 UW4	1992 11	26.18802	01 35	37.11	+12 25	27.9	18.2	3	675
1992 UW4	1992 11	26.22326	01 35	37.10	+12 24	45.4		3	675
1992 UW4	1992 11	27.14305	01 35	39.22	+12 06	13.9		3	675
1992 UW4	1992 11	30.28958	01 35	59.20	+11 06	24.6		3	675
1992 UX4	1992 11	20.24965	03 46	42.20	+20 39	03.1	15	2	675
1992 UX4	1992 11	20.26858	03 46	41.41	+20 38	42.4		2	675
1992 UX4	1992 11	25.32691	03 43	10.93	+19 10	06.6	15.1	3	675
1992 UX4	1992 11	25.35885	03 43	09.49	+19 09	33.4		3	675
1992 UX4	1992 11	28.28993	03 41	14.98	+18 19	06.1		3	675
1992 UY4	1992 11	25.27899	03 33	33.02	+28 06	45.4	17.5	3	675
1992 UY4	1992 11	26.28507	03 33	01.49	+27 54	36.5		3	675
1992 UY4	1992 11	27.32274	03 32	31.16	+27 42	23.5		3	675
1992 UY4	1992 11	28.26875	03 32	06.51	+27 31	33.0		3	675
1992 UY4	1992 11	30.34809	03 31	18.71	+27 08	39.2		3	675
1992 UU6	1992 09	30.34045	01 54	12.95	-03 56	26.0	17.2	9	675
1992 UU6	1992 09	30.37604	01 54	11.70	-03 56	51.4		9	675
1992 UU6	1992 10	03.35087	01 52	28.54	-04 32	10.5	17.2	9	675
1992 UU6	1992 10	03.38889	01 52	27.03	-04 32	37.9		9	675
1992 UV6	1992 11	19.32101	03 29	49.77	+15 58	16.1	16.0	2	675
1992 UV6	1992 11	19.33976	03 29	48.59	+15 58	15.6		2	675
1992 UV6	1992 11	21.28993	03 27	54.62	+15 57	21.7		2	675
1992 UV6	1992 11	21.31458	03 27	53.14	+15 57	21.1		2	675
1992 WS	1992 11	25.32691	03 33	03.00	+18 33	40.4	16.5	3	675
1992 WS	1992 11	25.35885	03 33	01.08	+18 33	27.6		3	675
1992 WS	1992 11	28.28993	03 30	09.56	+18 14	32.0		3	675
1992 WS	1992 11	30.32222	03 28	16.63	+18 01	50.5		3	675
1992 WS	1992 11	30.35451	03 28	14.80	+18 01	37.4		3	675
1992 WD2	1992 11	20.24965	03 38	13.01	+21 35	49.2	16.0	2	675
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1992 WD2	1992 11	21.28385	03 36	31.17	+21 45	39.5		2	675
1992 WD2	1992 11	21.30851	03 36	28.67	+21 45	53.6		2	675
1992 WX2	1992 11	19.32101	03 33	15.57	+16 22	39.4	16.0	2	675
1992 WX2	1992 11	19.33976	03 33	14.49	+16 22	34.0		2	675

1992 WX2		1992 11	21.28993	03 31	23.33	+16 13	38.7		2	675
1992 WX2		1992 11	21.31458	03 31	21.96	+16 13	30.7		2	675
1992 WP4		1992 12	01.34895	05 34	23.25	+46 42	57.4	15.5	3	675
1992 WP4		1992 12	01.38472	05 34	20.49	+46 42	54.2		3	675
1992 WQ4		1992 11	24.15729	02 25	31.40	+16 01	35.0		2	675
1992 WQ4		1992 11	24.18125	02 25	30.88	+16 01	02.7		2	675
1992 WS4	*	1992 11	25.27899	03 17	14.55	+26 02	16.4	17	3	675
1992 WS4		1992 11	26.28507	03 16	11.72	+26 02	12.2		3	675
1992 WS4		1992 11	27.29462	03 15	09.84	+26 02	00.8		3	675
1992 WS4		1992 11	28.30260	03 14	09.23	+26 01	47.8		3	675
1992 WS4		1992 11	30.31563	03 12	12.23	+26 01	04.9		3	675
1992 WT4	*	1992 11	22.43090	05 15	42.85	+22 15	20.7	15.5	2	675
1992 WT4		1992 11	22.45903	05 15	41.11	+22 15	41.6		2	675
1992 WT4		1992 11	24.37257	05 13	45.68	+22 40	50.8		2	675
1992 WT4		1992 11	24.39097	05 13	44.60	+22 41	04.4		2	675
1992 WU4	*	1992 11	22.43090	05 17	52.09	+25 18	13.0	17.0	2	675
1992 WU4		1992 11	22.45903	05 17	50.44	+25 18	25.9		2	675
1992 WU4		1992 11	24.37257	05 15	56.19	+25 33	22.4		2	675
1992 WU4		1992 11	24.39097	05 15	55.11	+25 33	30.3		2	675
1992 WV4	*	1992 11	22.43090	05 17	55.70	+22 01	26.6	15.5	2	675
1992 WV4		1992 11	22.45903	05 17	54.27	+22 01	09.8		2	675
1992 WV4		1992 11	24.37257	05 16	22.60	+21 42	49.2		2	675
1992 WV4		1992 11	24.39097	05 16	21.74	+21 42	37.4		2	675
1992 WW4	*	1992 11	19.36580	04 14	03.68	+21 27	07.1	16.5	2	675
1992 WW4		1992 11	19.39045	04 14	00.95	+21 27	26.0		2	675
1992 WW4		1992 11	22.32552	04 08	43.93	+22 00	02.5		2	675
1992 WW4		1992 11	22.35174	04 08	41.21	+22 00	18.8		2	675
1992 WX4	*	1992 11	19.36580	04 17	24.75	+21 07	19.0	16.5	2	675
1992 WX4		1992 11	19.39045	04 17	22.82	+21 07	32.5		2	675
1992 WX4		1992 11	22.32552	04 13	28.84	+21 32	11.7		2	675
1992 WX4		1992 11	22.35174	04 13	26.55	+21 32	25.0		2	675
1992 WY4	*	1992 11	21.47899	05 40	40.85	+33 36	12.8	16.5	2	675
1992 WY4		1992 11	21.50399	05 40	39.19	+33 35	51.8		2	675
1992 WY4		1992 11	22.39311	05 39	43.17	+33 24	49.0		2	675
1992 WY4		1992 11	25.46458	05 36	13.14	+32 44	22.2	17	3	675
1992 WY4		1992 11	25.50763	05 36	09.95	+32 43	46.0		3	675
1992 WY4		1992 11	27.44704	05 33	47.39	+32 16	31.7		3	675
1992 WZ4	*	1992 11	21.47899	05 50	26.75	+38 44	55.2	16.0	2	675
1992 WZ4		1992 11	21.50399	05 50	25.46	+38 45	23.2		2	675
1992 WZ4		1992 11	22.39311	05 49	36.85	+39 02	14.0		2	675
1992 WA5	*	1992 11	19.27656	02 33	40.54	+30 07	50.7	16.0	2	675
1992 WA5		1992 11	19.30122	02 33	37.74	+30 08	06.6		2	675
1992 WA5		1992 11	21.23802	02 30	06.00	+30 27	39.1		2	675
1992 WA5		1992 11	21.26076	02 30	03.53	+30 27	51.8		2	675
1992 WB5	*	1992 11	21.35087	04 36	18.55	+01 19	19.1	16	2	675
1992 WB5		1992 11	21.37431	04 36	16.87	+01 18	47.7		2	675
1992 WB5		1992 11	22.31944	04 35	14.17	+00 59	19.7		2	675
1992 WC5	*	1992 11	19.26372	02 18	22.02	+18 47	30.3	16.0	2	675
1992 WC5		1992 11	19.28958	02 18	21.03	+18 47	06.6		2	675
1992 WC5		1992 11	24.15729	02 15	59.23	+17 34	59.2		2	675
1992 WC5		1992 11	24.18125	02 15	58.64	+17 34	38.4		2	675
1992 WD5	*	1992 11	21.48524	06 12	27.09	+40 27	07.4	16.5	2	675
1992 WD5		1992 11	21.51042	06 12	27.64	+40 27	33.9		2	675
1992 WD5		1992 11	22.41615	06 12	58.42	+40 43	11.3		2	675
1992 WD5		1992 11	24.42274	06 13	56.20	+41 17	58.7		2	675
1992 WD5		1992 11	28.42118	06 15	15.10	+42 27	57.5	17.5	3	675
1992 WD5		1992 11	28.45469	06 15	15.23	+42 28	31.8		3	675
1992 WX5	*	1992 11	19.32101	03 31	32.88	+16 21	03.4	16.5	2	675
1992 WX5		1992 11	19.33976	03 31	31.63	+16 20	55.5		2	675

1992 WX5		1992 11	21.28993	03 29	36.10	+16 08	19.1		2	675
1992 WX5		1992 11	21.31458	03 29	34.75	+16 08	09.1		2	675
1992 WY5	*	1992 11	19.32101	03 34	25.76	+14 35	39.3	16.5	2	675
1992 WY5		1992 11	19.33976	03 34	23.82	+14 35	50.9		2	675
1992 WY5		1992 11	21.28993	03 31	15.25	+14 55	27.5		2	675
1992 WY5		1992 11	21.31458	03 31	12.68	+14 55	42.8		2	675
1992 WZ5	*	1992 11	21.43212	05 24	27.70	+28 37	49.4	15.5	2	675
1992 WZ5		1992 11	21.45503	05 24	26.72	+28 37	38.9		2	675
1992 WZ5		1992 11	22.36528	05 23	44.19	+28 29	24.1		2	675
1992 WA6	*	1992 11	21.33368	04 14	21.57	+37 49	32.2	16	2	675
1992 WA6		1992 11	21.35694	04 14	19.72	+37 49	30.5		2	675
1992 WA6		1992 11	22.26840	04 13	13.32	+37 47	41.7		2	675
1992 WB6	*	1992 11	21.33368	04 17	15.67	+37 39	34.1	16.5	2	675
1992 WB6		1992 11	21.35694	04 17	13.85	+37 39	30.2		2	675
1992 WB6		1992 11	22.26840	04 16	05.32	+37 36	51.8		2	675
1992 WC6	*	1992 11	21.33368	04 19	13.46	+37 22	58.0	15.5	2	675
1992 WC6		1992 11	21.35694	04 19	11.84	+37 22	51.2		2	675
1992 WC6		1992 11	22.26840	04 18	11.38	+37 18	23.1		2	675
1992 WD6	*	1992 11	21.33368	04 31	19.77	+38 54	08.2	15.5	2	675
1992 WD6		1992 11	21.35694	04 31	17.87	+38 54	15.1		2	675
1992 WD6		1992 11	22.26840	04 30	07.04	+38 58	51.3		2	675
1992 WX7	*	1992 11	21.30243	04 28	13.77	+35 42	26.0	17	2	675
1992 WX7		1992 11	21.32726	04 28	11.89	+35 42	35.9		2	675
1992 WX7		1992 11	24.36042	04 24	19.55	+36 03	21.9		2	675
1992 WX7		1992 11	24.37865	04 24	18.18	+36 03	30.0		2	675
1992 WY7	*	1992 11	21.30243	04 28	48.54	+33 45	27.5	15	2	675
1992 WY7		1992 11	21.32726	04 28	46.99	+33 45	19.3		2	675
1992 WY7		1992 11	24.36042	04 25	49.99	+33 30	10.5		2	675
1992 WY7		1992 11	24.37865	04 25	48.93	+33 30	03.1		2	675
1992 WZ7	*	1992 11	21.30243	04 41	12.45	+35 53	11.9	16	2	675
1992 WZ7		1992 11	21.32726	04 41	10.65	+35 53	21.1		2	675
1992 WZ7		1992 11	24.36042	04 37	18.55	+36 09	20.9		2	675
1992 WZ7		1992 11	24.37865	04 37	17.02	+36 09	25.0		2	675
1992 WB8	*	1992 11	26.33072	03 51	05.45	+10 10	17.4	16.5	3	675
1992 WB8		1992 11	26.36232	03 51	02.15	+10 10	52.3		3	675
1992 WB8		1992 11	30.37188	03 44	27.86	+11 24	09.9		3	675
1992 WB8		1992 11	30.40069	03 44	24.92	+11 24	42.6		3	675
1992 WD8	*	1992 11	25.39045	04 36	18.31	+54 49	01.6	17	3	675
1992 WD8		1992 11	25.41892	04 36	15.56	+54 48	50.3		3	675
1992 WD8		1992 11	30.36615	04 28	25.55	+54 08	20.8		3	675
1992 WD8		1992 11	30.39392	04 28	22.81	+54 08	03.9		3	675
1992 WD8		1992 12	01.29288	04 26	57.61	+53 59	15.2		3	675
1992 WD8		1992 12	01.32448	04 26	54.32	+53 58	54.1		3	675
1992 WE8	*	1992 11	19.21719	01 08	06.62	+11 22	46.2	17	2	675
1992 WE8		1992 11	19.24549	01 08	05.95	+11 22	45.5		2	675
1992 WE8		1992 11	21.15694	01 07	24.72	+11 22	41.4		2	675
1992 WF8	*	1992 11	19.26372	02 18	23.58	+21 56	01.8	16.0	2	675
1992 WF8		1992 11	19.28958	02 18	22.25	+21 55	52.0		2	675
1992 WF8		1992 11	24.15729	02 14	12.70	+21 32	07.6		2	675
1992 WF8		1992 11	24.18125	02 14	11.53	+21 31	57.9		2	675
1992 WM8	*	1992 11	20.21736	02 33	18.64	-08 51	27.5	15.0	2	675
1992 WM8		1992 11	20.23090	02 33	18.05	-08 51	23.0		2	675
1992 WM8		1992 11	24.16389	02 30	21.82	-08 30	05.8		2	675
1992 WM8		1992 11	24.19531	02 30	20.40	-08 29	54.9		2	675
1992 WN8	*	1992 11	26.25763	03 08	01.17	+33 28	17.7	17.8	3	675
1992 WN8		1992 11	26.29184	03 07	59.18	+33 27	55.3		3	675
1992 WN8		1992 11	30.30850	03 04	16.27	+32 41	59.9		3	675
1992 WN8		1992 12	01.28611	03 03	26.09	+32 30	30.9		3	675
4592 P-L	*	1960 09	24.41183	00 28	45.38	-00 54	11.1	17.8	4	675

4592	P-L	1960	09	26.31530	00	27	18.80	-01	08	36.1		4	675	
4592	P-L	1960	09	27.40836	00	26	28.58	-01	16	49.4		4	675	
4592	P-L	1960	09	28.39725	00	25	43.35	-01	24	11.0		4	675	
4592	P-L	1960	10	17.28198	00	12	42.69	-03	24	19.3		4	675	
4592	P-L	1960	10	22.23406	00	10	11.25	-03	46	18.6		4	675	
4592	P-L	1960	10	25.25350	00	08	54.64	-03	57	15.6		4	675	
4592	P-L	1960	10	26.31531	00	08	30.58	-04	00	38.7		4	675	
5004	P-L	1960	09	24.45000	00	37	37.27	+11	31	04.3		4	675	
5004	P-L	*	1960	10	17.30420	00	23	03.75	+07	49	20.6	17.2	4	675
5004	P-L		1960	10	22.27920	00	20	38.57	+07	03	02.3		4	675
5004	P-L		1960	10	25.37570	00	19	22.44	+06	35	43.8		4	675
5004	P-L		1960	10	26.36840	00	19	00.66	+06	27	14.3		4	675
6045	P-L	1992	08	22.30747	22	21	55.32	-00	53	34.3	17.8	9	675	
6045	P-L	1992	08	22.34410	22	21	53.56	-00	53	47.2		9	675	
6045	P-L	1992	08	28.35191	22	17	06.09	-01	28	53.8		9	675	
6045	P-L	1992	08	28.38681	22	17	04.32	-01	29	06.2		9	675	
6783	P-L	*	1960	09	24.35002	00	09	27.44	-03	11	17.0	19.1	4	675
6783	P-L		1960	09	26.28543	00	07	45.12	-03	16	24.8		4	675
6783	P-L		1960	09	27.34237	00	06	49.22	-03	19	06.2		4	675
6783	P-L		1960	09	28.33822	00	05	56.92	-03	21	34.4		4	675
6783	P-L		1960	10	17.28198	23	51	27.51	-03	48	24.0		4	675
6783	P-L		1960	10	22.16324	23	48	50.91	-03	47	12.5		4	675
6783	P-L		1960	10	26.27157	23	47	07.87	-03	43	12.6		4	675
7063	P-L	1992	08	22.30747	22	33	30.24	+00	53	32.1	17.0	9	675	
7063	P-L	1992	08	22.34410	22	33	28.39	+00	53	23.0		9	675	
7063	P-L	1992	08	28.35191	22	28	40.09	+00	25	18.6		9	675	
7063	P-L	1992	08	28.38681	22	28	38.25	+00	25	08.3		9	675	
9535	P-L	1992	10	03.35625	02	18	39.32	+07	19	50.6	18.5	9	675	
9535	P-L	1992	10	03.39583	02	18	37.84	+07	19	36.6		9	675	
1213	T-1	1971	03	24.38924	12	15	21.04	-04	59	29.4		4	675	
1213	T-1	1971	03	25.27326	12	14	34.35	-04	53	17.7		4	675	
1213	T-1	*	1971	03	25.31562	12	14	31.97	-04	53	01.0	19.9	4	675
1213	T-1		1971	03	26.26771	12	13	41.59	-04	46	17.7		4	675
1213	T-1		1971	03	27.32500	12	12	45.49	-04	38	48.7		4	675
1213	T-1		1971	04	02.40000	12	07	28.88	-03	55	53.9		4	675
1213	T-1		1971	04	16.18087	11	56	52.71	-02	23	50.8		4	675
1213	T-1		1971	04	16.26458	11	56	49.32	-02	23	14.7		4	675
1213	T-1		1971	05	13.18941	11	46	22.31	-00	25	55.2	20.0	4	675
1213	T-1		1971	05	14.21962	11	46	17.53	-00	23	34.9	20.0	4	675
2258	T-1	1971	03	24.37118	12	19	14.61	+03	28	50.9		4	675	
2258	T-1	1971	03	25.24340	12	18	25.43	+03	32	28.4		4	675	
2258	T-1	*	1971	03	25.28715	12	18	23.01	+03	32	38.5	18.6	4	675
2258	T-1		1971	03	26.25208	12	17	28.38	+03	36	35.4		4	675
2258	T-1		1971	03	27.31181	12	16	28.07	+03	40	51.8		4	675
2258	T-1		1971	04	02.41285	12	10	46.06	+04	04	01.1		4	675
2258	T-1		1971	04	16.16458	11	59	07.03	+04	43	16.7		4	675
2258	T-1		1971	04	16.25069	11	59	03.04	+04	43	26.8		4	675
3036	T-1	1971	03	24.42015	12	23	03.98	-06	20	35.0		4	675	
3036	T-1	1971	03	25.33090	12	22	20.25	-06	12	17.6		4	675	
3036	T-1	1971	03	26.29653	12	21	33.51	-06	03	27.8		4	675	
3036	T-1	*	1971	03	26.33611	12	21	31.50	-06	03	05.4	18.1	4	675
3036	T-1		1971	03	27.32500	12	20	43.76	-05	53	58.7		4	675
3036	T-1		1971	03	27.33854	12	20	42.69	-05	53	47.5		4	675
3036	T-1		1971	04	02.40000	12	15	48.44	-04	56	44.7		4	675
3036	T-1		1971	04	16.18087	12	05	35.33	-02	48	10.5		4	675
3036	T-1		1971	04	16.26458	12	05	31.91	-02	47	26.3		4	675
3036	T-1		1971	05	13.18941	11	55	23.77	+00	19	00.0	18.5	4	675
3036	T-1		1971	05	14.21962	11	55	20.68	+00	23	33.0	18.5	4	675
3057	T-1	1971	05	13.18941	11	56	39.46	-01	42	21.9	19.5	4	675	

3057	T-1	1971	05	14.21962	11	56	39.98	-01	40	50.6	19.5	4	675	
3212	T-1	1971	04	02.42604	12	26	11.33	-03	12	27.3	17.5	4	675	
3212	T-1	1971	05	13.18941	12	00	45.74	-01	36	32.8	19.0	4	675	
3212	T-1	1971	05	14.21962	12	00	43.16	-01	37	26.8	19.0	4	675	
3219	T-1	1971	03	26.29653	12	34	33.15	-08	17	38.6		4	675	
3219	T-1	*	1971	03	26.33611	12	34	30.63	-08	17	30.9	18.7	4	675
3219	T-1		1971	03	27.33854	12	33	30.36	-08	13	45.7		4	675
3219	T-1		1971	04	02.42604	12	27	19.56	-07	49	05.0		4	675
3219	T-1		1971	04	16.18087	12	14	23.62	-06	48	46.6		4	675
3219	T-1		1971	04	16.22812	12	14	21.19	-06	48	32.0		4	675
3219	T-1		1971	04	16.26458	12	14	19.19	-06	48	24.9		4	675
3219	T-1		1971	04	16.30139	12	14	17.17	-06	48	14.5		4	675
3286	T-1		1971	03	24.42015	12	41	44.72	-04	53	00.9		4	675
3286	T-1		1971	03	25.33090	12	40	49.57	-04	52	59.9		4	675
3286	T-1		1971	03	26.29653	12	39	50.24	-04	52	50.0		4	675
3286	T-1	*	1971	03	26.33611	12	39	47.77	-04	52	49.5	18.7	4	675
3286	T-1		1971	03	27.33854	12	38	45.82	-04	52	36.9		4	675
3286	T-1		1971	04	02.42604	12	32	29.42	-04	50	58.8		4	675
3286	T-1		1971	04	16.22812	12	19	18.53	-04	48	28.5		4	675
3286	T-1		1971	04	16.30139	12	19	14.62	-04	48	27.1		4	675
3286	T-1		1971	05	14.24549	12	04	40.81	-05	21	01.2	19.5	4	675
3286	T-1		1971	05	16.27535	12	04	25.63	-05	26	20.2	19.5	4	675
4260	T-1		1971	03	24.40486	12	37	07.25	+00	42	11.5		4	675
4260	T-1		1971	03	26.31007	12	35	38.85	+00	52	19.2		4	675
4260	T-1	*	1971	03	26.34896	12	35	37.01	+00	52	32.0	18.2	4	675
4260	T-1		1971	03	27.35208	12	34	50.08	+00	57	47.9		4	675
4260	T-1		1971	04	02.43993	12	30	05.60	+01	29	05.6		4	675
4260	T-1		1971	04	16.21476	12	20	08.12	+02	29	20.8		4	675
4260	T-1		1971	04	16.27708	12	20	05.65	+02	29	34.3		4	675
4260	T-1		1971	05	13.20278	12	08	58.19	+03	16	44.2	19.0	4	675
4260	T-1		1971	05	14.23246	12	08	49.96	+03	16	24.8	19.0	4	675
4260	T-1		1971	05	16.29774	12	08	37.65	+03	15	19.6	19.5	4	675
4393	T-1		1971	05	13.20278	12	18	18.39	+01	40	15.5	19.0	4	675
4393	T-1		1971	05	14.23246	12	18	11.15	+01	39	47.7	19.0	4	675
4393	T-1		1971	05	16.29774	12	18	01.11	+01	38	22.2	18.5	4	675
4835	T-1		1992	11	20.20017	02	00	29.89	+29	44	12.8	15.5	2	675
4835	T-1		1992	11	21.20990	01	59	03.40	+29	49	13.8		2	675
4835	T-1		1992	11	21.23090	01	59	01.59	+29	49	22.4		2	675
4862	T-1		1971	04	16.21476	12	36	15.31	-00	37	06.2	17.5	4	675
4862	T-1		1971	04	16.27708	12	36	12.77	-00	36	34.5	17.5	4	675
4862	T-1	*	1971	05	13.20278	12	26	24.78	+02	02	28.7	18.0	4	675
4862	T-1		1971	05	14.23246	12	26	21.51	+02	05	28.7	18.0	4	675
4862	T-1		1971	05	16.29774	12	26	19.34	+02	10	49.7	17.5	4	675
2019	T-2		1973	09	19.19948	00	32	48.19	+02	27	46.4		4	675
2019	T-2		1973	09	19.25006	00	32	45.37	+02	27	38.3		4	675
2019	T-2		1973	09	20.26458	00	31	50.09	+02	25	59.1		4	675
2019	T-2		1973	09	24.36181	00	28	01.63	+02	18	40.6		4	675
2019	T-2		1973	09	24.38750	00	28	00.10	+02	18	38.0		4	675
2019	T-2		1973	09	24.42847	00	27	57.82	+02	18	33.9		4	675
2019	T-2		1973	09	24.45434	00	27	56.29	+02	18	32.1		4	675
2019	T-2		1973	09	25.25642	00	27	11.02	+02	17	00.1		4	675
2019	T-2		1973	09	25.28125	00	27	09.70	+02	16	59.1		4	675
2019	T-2		1973	09	25.32031	00	27	07.52	+02	16	53.4		4	675
2019	T-2		1973	09	25.34601	00	27	05.85	+02	16	52.5		4	675
2019	T-2		1973	09	29.25330	00	23	22.52	+02	09	31.0		4	675
2019	T-2		1973	09	29.26632	00	23	21.65	+02	09	30.0		4	675
2019	T-2		1973	09	29.29219	00	23	20.32	+02	09	26.5		4	675
2019	T-2		1973	09	29.31806	00	23	18.71	+02	09	23.1		4	675
2019	T-2	*	1973	09	29.33073	00	23	17.88	+02	09	23.4	19.3	4	675

2019 T-2	1973 09	29.35694	00 23	16.47	+02 09	18.0	4	675
2019 T-2	1973 09	30.21007	00 22	27.61	+02 07	45.6	4	675
2019 T-2	1973 09	30.22257	00 22	27.01	+02 07	41.6	4	675
2019 T-2	1973 09	30.27431	00 22	23.84	+02 07	37.1	4	675
2019 T-2	1973 09	30.28785	00 22	23.02	+02 07	34.0	4	675
2019 T-2	1973 10	04.30208	00 18	33.26	+02 00	05.8	4	675
2019 T-2	1973 10	04.32708	00 18	31.74	+02 00	06.4	4	675
2019 T-2	1973 10	04.36476	00 18	29.64	+01 59	56.6	4	675
2019 T-2	1973 10	04.38889	00 18	28.07	+01 59	58.6	4	675
2019 T-2	1973 10	05.31684	00 17	35.57	+01 58	15.5	4	675
2019 T-2	1973 10	05.35382	00 17	33.32	+01 58	13.3	4	675
2019 T-2	1973 10	05.37917	00 17	31.90	+01 58	08.3	4	675
2019 T-2	1973 10	05.41597	00 17	29.64	+01 58	06.7	4	675
1189 T-3	1977 10	12.26510	01 09	58.95	+15 13	17.6	4	675
1189 T-3	1977 10	12.27587	01 09	58.15	+15 13	14.1	4	675
1189 T-3	1977 10	12.33125	01 09	54.98	+15 12	53.2	4	675
1189 T-3	1977 10	12.34271	01 09	54.15	+15 12	49.7	4	675
1189 T-3	1977 10	16.25156	01 06	09.68	+14 48	41.5	4	675
1189 T-3	1977 10	16.26233	01 06	09.24	+14 48	37.5	4	675
1189 T-3	1977 10	16.31684	01 06	05.96	+14 48	19.5	4	675
1189 T-3	1977 10	16.32795	01 06	05.34	+14 48	14.1	4	675
1189 T-3	* 1977 10	17.25365	01 05	13.42	+14 42	21.7	18.6	4 675
1189 T-3	1977 10	17.26458	01 05	12.90	+14 42	18.2	4	675
1189 T-3	1977 10	17.32083	01 05	09.47	+14 41	55.6	4	675
1189 T-3	1977 10	17.33177	01 05	08.98	+14 41	54.1	4	675
1189 T-3	1977 10	21.40868	01 01	27.75	+14 15	37.0	4	675
1189 T-3	1977 10	21.46910	01 01	24.56	+14 15	13.4	4	675
1189 T-3	1977 10	22.41528	01 00	35.45	+14 09	07.2	4	675
1189 T-3	1977 10	22.46962	01 00	32.49	+14 08	44.9	4	675
(3)	1990 05	26.28160	15 02	50.17	-00 52	38.1	9	675
(3)	1990 05	26.31857	15 02	48.51	-00 52	32.3	9	675
(17)	1954 07	28.43681	23 37	36.26	-06 48	04.8	6	675
(17)	1954 07	28.46111	23 37	36.09	-06 48	11.4	6	675
(52)	1992 09	30.34688	02 19	22.02	+02 53	49.3	9	675
(52)	1992 09	30.38316	02 19	20.85	+02 53	37.6	9	675
(52)	1992 10	03.35625	02 17	43.15	+02 38	02.8	9	675
(52)	1992 10	03.39583	02 17	41.75	+02 37	50.5	9	675
(52)	1992 10	04.44045	02 17	05.18	+02 32	19.2	9	675
(52)	1992 10	04.48316	02 17	03.49	+02 32	05.7	9	675
(53)	1990 05	26.34322	15 49	31.17	-12 11	10.5	9	675
(53)	1990 05	26.37291	15 49	29.56	-12 11	06.5	9	675
(54)	1992 08	28.35191	22 37	13.56	+01 07	52.5	9	675
(54)	1992 08	28.38681	22 37	11.38	+01 07	54.8	9	675
(69)	1992 08	22.30747	22 25	38.16	-02 59	26.9	9	675
(69)	1992 08	22.34410	22 25	36.53	-02 59	38.1	9	675
(118)	1992 09	30.34688	02 23	12.95	+08 20	10.0	9	675
(118)	1992 09	30.38316	02 23	11.51	+08 20	09.2	9	675
(118)	1992 10	03.35625	02 21	15.83	+08 18	35.1	9	675
(118)	1992 10	03.39583	02 21	14.09	+08 18	33.7	9	675
(137)	1990 05	26.28160	14 57	13.39	-06 30	13.1	9	675
(137)	1990 05	26.31857	14 57	11.85	-06 30	00.2	9	675
(153)	1992 08	23.27671	21 22	52.34	-04 00	15.3	9	675
(153)	1992 08	23.30556	21 22	51.22	-04 00	21.9	9	675
(153)	1992 08	28.27153	21 19	59.54	-04 19	39.8	9	675
(153)	1992 08	28.30625	21 19	58.41	-04 19	46.6	9	675
(204)	1992 08	22.30747	22 34	28.55	+02 17	25.7	9	675
(204)	1992 08	22.34410	22 34	26.76	+02 17	10.8	9	675
(204)	1992 08	28.35191	22 29	41.95	+01 34	32.2	9	675
(204)	1992 08	28.38681	22 29	40.22	+01 34	16.7	9	675

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(252)	1990 05 26.37291	15 52 31.64	-11 01 32.0	9 675
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(257)	1954 07 28.46111	23 41 24.40	-06 28 33.4	6 675
(383)	1992 09 30.34688	02 13 27.79	+09 19 58.4	9 675
(383)	1992 09 30.38316	02 13 26.64	+09 19 51.7	9 675
(383)	1992 10 03.35625	02 11 48.54	+09 10 11.3	9 675
(383)	1992 10 03.39583	02 11 47.09	+09 10 03.6	9 675
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(510)	1992 08 21.37795	22 04 21.45	+02 58 11.1	9 675
(510)	1992 08 27.28542	22 00 01.18	+02 07 37.2	9 675
(510)	1992 08 27.32309	21 59 59.41	+02 07 17.1	9 675
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(558)	1992 10 03.38889	01 38 52.66	-00 47 48.3	9 675
(589)	1990 05 26.28160	15 07 12.51	-04 42 24.5	9 675
(589)	1990 05 26.31857	15 07 11.01	-04 42 17.8	9 675
(589)	1992 09 30.34688	02 19 36.04	+06 11 14.5	9 675
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(589)	1992 10 03.35625	02 18 03.89	+05 50 17.2	9 675
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(590)	1990 05 26.37291	16 12 27.80	-09 48 32.2	9 675
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(604)	1954 07 28.46111	23 35 35.26	-06 36 06.4	6 675
(635)	1990 05 26.28160	15 13 59.37	-05 50 51.3	9 675
(635)	1990 05 26.31857	15 13 57.85	-05 50 43.6	9 675
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(753)	1992 09 29.40764	02 15 18.24	+02 34 21.1	9 675
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(753)	1992 10 03.39583	02 11 42.91	+02 21 32.9	9 675
(753)	1992 10 04.44045	02 10 43.29	+02 18 10.8	9 675
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(764)	1992 08 23.27671	21 43 46.04	+01 07 33.6	9 675
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(1513)	1954 07	28.46111	23 31	08.98	-05 02	39.6	6	675
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(1564)	1990 05	26.37291	15 49	30.63	-06 42	46.3	9	675
(1607)	1990 05	26.28160	15 07	35.09	-04 41	38.6	9	675
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(1693)	1992 09	29.37170	02 17	09.62	-02 00	41.5	9	675
(1693)	1992 09	29.40764	02 17	07.88	-02 00	48.0	9	675
(1693)	1992 10	04.44045	02 13	00.78	-02 14	16.8	9	675
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(1832)	1992 08	22.30747	22 16	45.42	+01 50	48.4	9	675
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(1944)	1992 08	28.35191	22 31	03.30	+02 28	07.0	9	675
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(1985)	1992 08	21.37795	22 04	32.08	-00 19	58.0	9	675
(1985)	1992 08	27.28542	21 59	43.56	-00 28	02.4	9	675
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(2060)	1971 06	29.44653	00 48	32.36	+07 34	44.7	6	675
(2060)	1972 10	11.42882	00 53	37.98	+07 39	40.1	6	675
(2060)	1972 10	13.16146	00 53	20.68	+07 37	43.6	6	675
(2060)	1972 11	10.16476	00 49	05.97	+07 07	55.4	6	675
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(2060)	1973 09	25.42708	01 10	44.99	+08 57	49.5	6	675
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(2060)	1975 10	30.14514	01 34	42.77	+10 18	39.2	6	675
(2060)	1976 12	12.15347	01 43	56.77	+10 37	29.3	6	675
(2060)	1977 01	13.13767	01 42	50.73	+10 28	56.1	6	675
(2069)	1992 09	30.34688	02 23	28.73	+09 24	07.4	9	675
(2069)	1992 09	30.38316	02 23	27.43	+09 24	04.9	9	675
(2069)	1992 10	03.35625	02 21	40.77	+09 20	04.8	9	675
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(2238)	1988 10	07.28715	23 19	56.19	-05 38	02.5	9	675
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(2238)	1988 10	09.26317	23 18	56.12	-05 42	53.0	9	675
(2418)	1954 07	28.43681	23 41	12.99	-03 35	28.0	6	675
(2418)	1954 07	28.46111	23 41	12.85	-03 35	29.3	6	675
(2525)	1992 09	30.34688	02 08	13.25	+08 43	55.5	9	675
(2525)	1992 09	30.38316	02 08	12.01	+08 43	48.6	9	675
(2525)	1992 10	03.35625	02 06	27.61	+08 34	04.2	9	675
(2525)	1992 10	03.39583	02 06	26.08	+08 33	56.5	9	675
(2553)	1992 09	30.34688	02 26	07.68	+06 25	37.2	9	675
(2553)	1992 09	30.38316	02 26	06.52	+06 25	29.0	9	675
(2553)	1992 10	03.35625	02 24	29.47	+06 12	43.0	9	675
(2553)	1992 10	03.39583	02 24	28.09	+06 12	32.4	9	675
(2573)	1992 09	29.37170	01 51	38.39	+00 23	32.5	9	675
(2573)	1992 09	29.40764	01 51	36.64	+00 23	26.1	9	675
(2573)	1992 09	30.34045	01 50	56.53	+00 20	50.7	9	675
(2573)	1992 09	30.37604	01 50	54.95	+00 20	44.2	9	675
(2573)	1992 10	03.35087	01 48	42.46	+00 12	33.0	9	675
(2573)	1992 10	03.38889	01 48	40.66	+00 12	26.8	9	675
(2602)	1990 05	26.34322	15 50	45.03	-09 32	39.5	9	675
(2602)	1990 05	26.37291	15 50	43.36	-09 32	34.8	9	675
(2755)	1992 08	21.30712	22 00	17.32	-03 37	25.9	9	675
(2755)	1992 08	21.37795	22 00	13.74	-03 37	43.9	9	675
(2766)	1988 09	16.39757	23 54	57.58	+04 38	25.4	9	675
(2766)	1988 09	16.43194	23 54	55.58	+04 38	18.3	9	675
(2788)	1954 07	28.43681	23 31	52.38	-05 33	21.0	6	675
(2788)	1954 07	28.46111	23 31	51.96	-05 33	23.6	6	675
(2845)	1954 07	28.43681	23 45	15.50	-03 03	30.5	6	675
(2845)	1954 07	28.46111	23 45	15.59	-03 03	36.4	6	675
(2845)	1988 09	10.31667	23 22	26.23	-09 02	31.3	9	675
(2845)	1988 09	10.35330	23 22	24.17	-09 02	52.7	9	675
(2845)	1988 09	12.33993	23 20	40.13	-09 21	10.6	9	675
(2845)	1988 09	12.38177	23 20	37.84	-09 21	33.3	9	675
(2845)	1988 09	13.34149	23 19	47.88	-09 30	13.9	9	675
(2845)	1988 09	13.37535	23 19	46.09	-09 30	31.7	9	675
(2845)	1988 09	16.28872	23 17	16.85	-09 55	58.3	9	675
(2845)	1988 09	16.32257	23 17	15.09	-09 56	15.1	9	675
(2896)	1990 05	26.28160	14 42	01.57	-04 57	59.2	9	675
(2896)	1990 05	26.31857	14 41	59.86	-04 57	50.2	9	675
(2980)	1990 05	26.34322	15 48	38.36	-09 43	36.4	9	675
(2980)	1990 05	26.37291	15 48	36.72	-09 43	26.0	9	675
(2992)	1992 09	30.34688	02 12	45.13	+09 34	36.5	9	675
(2992)	1992 09	30.38316	02 12	44.01	+09 34	21.2	9	675
(2992)	1992 10	03.35625	02 11	09.42	+09 14	12.3	9	675
(2992)	1992 10	03.39583	02 11	08.05	+09 13	56.0	9	675
(3033)	1992 09	30.34688	02 15	18.93	+08 40	47.9	9	675
(3033)	1992 09	30.38316	02 15	17.33	+08 40	34.0	9	675
(3033)	1992 10	03.35625	02 13	06.07	+08 20	59.4	9	675
(3033)	1992 10	03.39583	02 13	04.18	+08 20	44.0	9	675

17.5

(3042)	1992 08	21.30712	21 56	38.39	-01 10	46.3	9	675
(3042)	1992 08	21.37795	21 56	34.72	-01 11	12.1	9	675
(3042)	1992 08	27.28542	21 51	56.07	-01 49	47.5	9	675
(3042)	1992 08	27.32309	21 51	54.18	-01 50	02.9	9	675
(3076)	1992 08	25.33958	22 53	19.38	+03 55	07.9	9	675
(3076)	1992 08	25.37674	22 53	17.86	+03 54	48.6	9	675
(3128)	1992 09	30.34688	02 14	30.94	+09 08	56.4	9	675
(3128)	1992 09	30.38316	02 14	29.60	+09 08	48.8	9	675
(3128)	1992 10	03.35625	02 12	37.28	+08 57	42.7	9	675
(3128)	1992 10	03.39583	02 12	35.65	+08 57	34.6	9	675
(3140)	1990 05	26.34322	15 54	28.69	-09 04	10.1	9	675
(3140)	1990 05	26.37291	15 54	27.18	-09 04	10.0	9	675
(3158)	1992 08	21.30712	21 48	34.06	+02 56	07.9	9	675
(3158)	1992 08	21.37795	21 48	30.54	+02 55	29.1	9	675
(3158)	1992 08	24.26476	21 46	14.00	+02 28	21.4	9	675
(3158)	1992 08	24.30660	21 46	11.91	+02 27	57.0	9	675
(3158)	1992 08	28.27153	21 43	07.87	+01 48	34.3	9	675
(3158)	1992 08	28.30625	21 43	06.17	+01 48	10.7	9	675
(3178)	1992 08	21.30712	22 09	39.32	-01 06	22.7	9	675
(3178)	1992 08	21.37795	22 09	35.83	-01 06	39.8	9	675
(3178)	1992 08	27.28542	22 04	44.68	-01 33	07.5	9	675
(3178)	1992 08	27.32309	22 04	42.75	-01 33	18.7	9	675
(3202)	1992 08	21.30712	21 57	56.48	+00 10	09.4	9	675
(3202)	1992 08	21.37795	21 57	54.00	+00 09	53.0	9	675
(3388)	1990 05	26.35069	16 09	06.19	+05 27	59.7	9	675
(3388)	1990 05	26.37951	16 09	04.14	+05 27	50.0	9	675
(3428)	1992 08	21.30712	21 45	30.79	+00 23	16.3	9	675
(3428)	1992 08	21.37795	21 45	27.23	+00 22	55.0	9	675
(3428)	1992 08	23.27671	21 43	54.24	+00 13	23.1	9	675
(3428)	1992 08	23.30556	21 43	52.82	+00 13	14.2	9	675
(3428)	1992 08	28.27153	21 39	54.93	-00 13	07.4	9	675
(3428)	1992 08	28.30625	21 39	53.18	-00 13	17.9	9	675
(3681)	1954 07	28.43681	23 31	04.69	-05 11	55.9	6	675
(3681)	1954 07	28.46111	23 31	04.86	-05 12	00.7	6	675
(3689)	1992 08	22.30747	22 32	17.31	+02 26	13.0	9	675
(3689)	1992 08	22.34410	22 32	15.71	+02 25	59.6	9	675
(3689)	1992 08	28.35191	22 27	55.51	+01 47	13.7	9	675
(3699)	1954 09	28.27708	23 30	02.79	-15 15	05.0	6	675
(3699)	1954 09	28.30556	23 30	01.62	-15 15	08.9	6	675
(3772)	1992 09	30.34045	01 48	52.05	-06 13	23.2	9	675
(3772)	1992 09	30.37604	01 48	50.57	-06 13	33.6	9	675
(3772)	1992 10	03.35087	01 46	45.40	-06 28	59.1	9	675
(3772)	1992 10	03.38889	01 46	43.69	-06 29	10.6	9	675
(3923)	1992 09	30.34688	01 58	40.94	+08 03	50.1	9	675
(3923)	1992 09	30.38316	01 58	39.81	+08 03	40.9	9	675
(4020)	1992 08	25.33958	22 56	15.44	+03 19	15.1	9	675
(4020)	1992 08	25.37674	22 56	13.90	+03 18	59.2	9	675
(4059)	1992 08	28.35191	22 23	45.91	+05 13	50.2	9	675
(4059)	1992 08	28.38681	22 23	44.20	+05 13	39.4	9	675
(4115)	1992 08	23.27671	21 23	24.68	-02 13	01.3	9	675
(4115)	1992 08	23.30556	21 23	23.47	-02 13	11.2	9	675
(4115)	1992 08	28.27153	21 19	59.37	-02 41	33.5	9	675
(4115)	1992 08	28.30625	21 19	57.88	-02 41	45.0	9	675
(4165)	1992 08	21.30712	22 10	46.14	+00 31	44.1	9	675
(4165)	1992 08	21.37795	22 10	42.82	+00 30	55.5	9	675
(4165)	1992 08	22.30747	22 10	02.07	+00 20	06.1	9	675
(4165)	1992 08	22.34410	22 10	00.38	+00 19	40.7	9	675
(4165)	1992 08	27.28542	22 06	24.12	-00 39	56.0	9	675

(4165)	1992 08	27.32309	22 06	22.38	-00	40	23.8	9	675
(4342)	1992 09	29.37170	02 08	40.14	+03	40	14.4	9	675
(4342)	1992 09	29.40764	02 08	38.69	+03	40	03.2	9	675
(4342)	1992 09	30.34688	02 08	03.89	+03	34	33.6	9	675
(4342)	1992 09	30.38316	02 08	02.50	+03	34	22.7	9	675
(4342)	1992 10	03.35625	02 06	05.86	+03	16	56.2	9	675
(4342)	1992 10	03.39583	02 06	04.14	+03	16	42.6	9	675
(4342)	1992 10	04.44045	02 05	20.79	+03	10	29.5	9	675
(4342)	1992 10	04.48316	02 05	18.95	+03	10	16.5	9	675
(4375)	1992 09	29.37170	01 59	22.25	+03	16	46.2	9	675
(4375)	1992 10	04.44045	01 55	21.17	+02	41	41.0	9	675
(4375)	1992 10	04.48316	01 55	18.93	+02	41	23.2	9	675
(4390)	1992 09	30.40642	02 41	45.49	+27	14	40.0	9	675
(4390)	1992 09	30.44844	02 41	43.51	+27	14	44.7	9	675
(4407)	1992 08	22.30747	22 19	19.55	-02	21	49.5	9	675
(4407)	1992 08	22.34410	22 19	17.68	-02	21	58.0	9	675
(4429)	1954 02	26.31945	09 37	08.31	+14	13	21.5	6	675
(4429)	1954 02	26.32778	09 37	07.80	+14	13	22.3	6	675
(4455)	1992 08	21.30712	21 43	42.96	+00	57	41.7	9	675
(4455)	1992 08	21.37795	21 43	39.72	+00	57	26.3	9	675
(4455)	1992 08	23.27671	21 42	13.60	+00	49	51.2	9	675
(4455)	1992 08	23.30556	21 42	12.24	+00	49	43.4	9	675
(4455)	1992 08	24.26476	21 41	29.07	+00	45	47.4	9	675
(4455)	1992 08	24.30660	21 41	27.10	+00	45	36.7	9	675
(4455)	1992 08	28.27153	21 38	31.71	+00	28	23.9	9	675
(4455)	1992 08	28.30625	21 38	30.11	+00	28	14.7	9	675
(4514)	1990 05	26.34322	16 02	32.59	-08	53	41.8	9	675
(4514)	1990 05	26.37291	16 02	30.78	-08	53	44.5	9	675
(4521)	1992 09	30.34688	02 10	07.23	+04	12	01.2	9	675
(4521)	1992 09	30.38316	02 10	05.68	+04	11	57.6	9	675
(4521)	1992 10	03.35625	02 07	58.39	+04	07	13.1	9	675
(4521)	1992 10	03.39583	02 07	56.59	+04	07	09.7	9	675
(4521)	1992 10	04.48316	02 07	08.02	+04	05	23.9	9	675
(4528)	1990 05	26.34322	15 59	37.24	-06	40	10.0	9	675
(4528)	1990 05	26.37291	15 59	35.60	-06	40	05.3	9	675
(4529)	1992 09	30.34045	01 55	23.94	-03	55	40.0	9	675
(4529)	1992 09	30.37604	01 55	22.63	-03	55	53.3	9	675
(4529)	1992 10	03.35087	01 53	29.70	-04	15	18.4	9	675
(4529)	1992 10	03.38889	01 53	28.19	-04	15	31.8	9	675
(4537)	1992 08	25.33958	23 02	27.70	+06	25	31.1	9	675
(4537)	1992 08	25.37674	23 02	26.12	+06	25	21.5	9	675
(4555)	1990 05	26.34322	15 53	56.57	-05	00	16.9	9	675
(4555)	1990 05	26.37291	15 53	54.82	-05	00	09.9	9	675
(4577)	1992 10	03.35625	02 30	06.35	+06	23	16.1	9	675
(4577)	1992 10	03.39583	02 30	04.70	+06	23	11.4	9	675
(4578)	1990 05	26.34322	15 51	41.09	-12	15	30.8	9	675
(4578)	1990 05	26.37291	15 51	39.39	-12	15	27.7	9	675
(4601)	1992 09	30.34688	02 29	11.33	+04	43	33.6	9	675
(4601)	1992 09	30.38316	02 29	10.13	+04	43	16.5	9	675
(4601)	1992 10	03.35625	02 27	33.33	+04	18	48.5	9	675
(4601)	1992 10	03.39583	02 27	31.99	+04	18	29.5	9	675
(4737)	1954 07	28.43681	23 34	30.92	-04	46	57.0	6	675
(4737)	1954 07	28.46111	23 34	30.80	-04	47	02.3	6	675
(4844)	1992 08	25.33958	22 50	03.28	+03	20	04.5	9	675
(4844)	1992 08	25.37674	22 50	01.24	+03	19	53.1	9	675
(4852)	1992 09	30.34688	02 03	51.76	+08	04	30.7	9	675
(4852)	1992 09	30.38316	02 03	49.87	+08	04	25.9	9	675
(4852)	1992 10	03.35625	02 01	11.44	+07	57	20.1	9	675

(4852)	1992 10 03.39583	02 01 09.13	+07 57 13.3	9	675
(4856)	1992 08 27.28542	22 08 36.67	+03 43 44.3	9	675
(4856)	1992 08 27.32309	22 08 34.84	+03 43 23.5	9	675
(4900)	1992 08 25.33958	22 57 28.51	+02 34 15.1	9	675
(4900)	1992 08 25.37674	22 57 26.65	+02 34 00.3	9	675
(4951)	1992 09 29.37170	02 01 31.35	-02 41 30.6	9	675
(4951)	1992 09 29.40764	02 01 29.78	-02 41 44.7	9	675
(4951)	1992 10 04.44045	01 57 55.59	-03 15 02.6	9	675
(4951)	1992 10 04.48316	01 57 53.50	-03 15 19.6	9	675
(4958)	1992 09 30.40642	02 27 50.10	+23 50 20.3	9	675
(4958)	1992 09 30.44844	02 27 48.79	+23 50 14.5	9	675
(4974)	1990 05 26.35069	15 57 44.88	+01 20 22.1	9	675
(4974)	1990 05 26.37951	15 57 43.35	+01 20 28.8	9	675
(5000)	1990 05 26.31857	14 57 20.64	-07 27 50.2	9	675
(5058)	1990 05 26.34322	16 08 02.30	-11 38 17.2	9	675
(5058)	1990 05 26.37291	16 08 00.30	-11 38 15.8	9	675
(5213)	1992 08 25.33958	22 50 34.29	+02 01 08.0	9	675
(5213)	1992 08 25.37674	22 50 32.69	+02 00 54.2	9	675
(5301)	1992 08 25.33958	22 39 44.35	+07 16 22.2	9	675
(5301)	1992 08 25.37674	22 39 42.85	+07 16 13.8	9	675
(5326)	1992 08 22.30747	22 32 04.40	-01 05 23.9	16.8	9 675
(5326)	1992 08 22.34410	22 32 02.79	-01 05 50.7	9	675
(5326)	1992 08 28.35191	22 27 43.44	-02 21 36.0	9	675
(5326)	1992 08 28.38681	22 27 41.83	-02 22 02.6	9	675
(5336)	1992 08 23.27671	21 45 02.80	-04 16 14.6	16.8	9 675
(5336)	1992 08 23.30556	21 45 01.52	-04 16 27.2	9	675
(5337)	1992 08 22.30747	22 26 14.49	+00 04 09.8	17.2	9 675
(5337)	1992 08 22.34410	22 26 12.93	+00 04 01.4	9	675
(5337)	1992 08 28.35191	22 21 55.90	-00 21 21.9	9	675
(5337)	1992 08 28.38681	22 21 54.35	-00 21 31.4	9	675
(5352)	1992 08 22.30747	22 20 29.61	-02 33 45.2	9	675
(5352)	1992 08 22.34410	22 20 27.49	-02 33 53.9	9	675
(5397)	1992 11 21.24444	02 32 10.19	+11 06 13.7	15	2 675
(5397)	1992 11 21.26615	02 32 09.35	+11 06 00.8	2	675
(5397)	1992 11 24.17500	02 30 27.89	+10 38 32.7	2	675
(5397)	1992 11 24.20087	02 30 27.01	+10 38 19.3	2	675
(5402)	1992 11 19.36580	04 12 52.27	+18 50 03.8	14.5	2 675
(5402)	1992 11 19.39045	04 12 50.57	+18 49 37.4	2	675
(5402)	1992 11 22.32552	04 09 32.08	+17 56 01.1	2	675
(5402)	1992 11 22.35174	04 09 30.14	+17 55 31.6	2	675

688 Lowell Observatory, Anderson Mesa Station

L. A. Marschall, Gettysburg College, Dept. of Physics,
Gettysburg, PA 17325, U.S.A.

Observers L. A. Marschall, B. Zhang

1.1-m f/8 Hall reflector + CCD

1992 JB 1992 05 23.28420 15 30 38.72 +11 15 34.8 688

689 U.S. Naval Observatory, Flagstaff Station

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

Observer A. K. B. Monet

Measurer J. A. DeYoung

1.55-m astrometric reflector + CCD

GSC

1992 QB1 1992 11 01.21969 23 56 47.34 -00 19 18.2 689

1992 QB1 1992 11 15.15329 23 56 08.51 -00 23 22.4 689

1992 QB1 1992 11 16.16073 23 56 06.26 -00 23 35.9 689

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

Observer C. W. Tombaugh

Measurer B. A. Skiff

0.33-m photographic telescope

1931 FN	1931 03 21.33889	12 30	59.11	-10 53	44.0	15.2	R	690
1931 FN	1931 03 23.32221	12 29	01.61	-10 49	17.7			690
(78)	1931 03 21.33889	12 58	44.92	-15 54	24.3			690
(179)	1931 03 21.33889	13 00	04.45	-16 40	14.2			690
(179)	1931 03 23.32221	12 58	40.73	-16 32	21.4			690
(220)	1931 03 21.33889	12 35	50.19	-15 46	56.6		R	690
(220)	1931 03 23.32221	12 34	00.25	-15 36	39.3		R	690
(756)	1931 03 21.33889	12 36	26.24	-15 35	21.8		R	690
(756)	1931 03 23.32221	12 35	11.64	-15 16	43.0			690
(830)	1931 03 21.33889	12 50	28.51	-08 04	21.4			690
(830)	1931 03 23.32221	12 49	03.42	-07 57	32.7			690
(835)	1931 03 21.33889	12 50	18.36	-10 10	04.9			690
(898)	1931 03 23.32221	12 22	05.97	-17 32	10.5		R	690
(1642)	1931 03 21.33889	12 31	26.20	-12 02	06.7			690
(1642)	1931 03 23.32221	12 29	33.91	-11 59	31.9			690
(2426)	1931 03 21.33889	13 01	18.42	-16 47	10.5		P	690
(3181)	1931 03 23.32221	12 39	41.10	-08 50	20.3			690
(3281)	1931 03 21.33889	12 47	57.90	-08 59	16.2			690
(3281)	1931 03 23.32221	12 46	04.31	-08 56	03.8		P	690

691 Kitt Peak, Steward Observatory

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

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

0.91-m SPACEWATCH telescope

GSC

1977 RW6	1992 11 27.09397	02 43	58.12	+17 25	06.7			691
1977 RW6	1992 11 27.11669	02 43	57.08	+17 25	02.6	17.3	V	691
1977 RW6	1992 11 27.14133	02 43	56.00	+17 24	58.8			691
1978 RL1	1992 02 09.24377	07 55	25.13	+19 42	38.1	18.6	V	691
1978 RL1	1992 02 09.29586	07 55	23.00	+19 42	47.5			691
1978 VR8	1992 11 26.44222	04 53	18.22	+19 49	24.6	18.7	V	691
1978 VR8	1992 11 26.46673	04 53	16.54	+19 49	21.9			691
1978 VR8	1992 11 26.48949	04 53	15.22	+19 49	18.6			691
1979 HE3	1992 11 23.34454	03 42	48.55	+19 48	49.5			691
1979 HE3	1992 11 23.36777	03 42	47.00	+19 48	45.3	17.2	V	691
1979 HE3	1992 11 23.39077	03 42	45.45	+19 48	42.1			691
1979 MY2	1992 11 27.34616	03 48	01.37	+19 40	26.2	18.7	V	691
1979 MY2	1992 11 27.38124	03 47	59.22	+19 40	15.7			691
1979 MY2	1992 11 27.41663	03 47	57.03	+19 40	05.6			691
1979 MK7	1991 10 08.17887	00 38	04.67	+06 35	45.7	19.2	V	691
1979 MK7	1991 10 08.19783	00 38	03.85	+06 35	40.2			691
1979 MK7	1991 10 08.21707	00 38	03.01	+06 35	33.9			691
1979 MO7	1991 10 04.10612	22 50	06.71	+00 48	59.5	19.5	V	691
1979 MO7	1991 10 04.12300	22 50	06.20	+00 48	53.9			691
1979 MO7	1991 10 04.14875	22 50	05.43	+00 48	45.3			691
1981 EC8	1992 11 23.34913	03 49	26.32	+19 41	52.0			691
1981 EC8	1992 11 23.37237	03 49	24.69	+19 41	43.3	16.2	V	691
1981 EC8	1992 11 23.39536	03 49	23.08	+19 41	34.2			691
1981 EC8	1992 11 27.23101	03 45	08.62	+19 17	05.2	16.6	V	691
1981 EC8	1992 11 27.26855	03 45	06.09	+19 16	51.7			691
1981 EC8	1992 11 27.30390	03 45	03.70	+19 16	37.9			691
1981 EX10	1992 11 18.13794	02 53	44.78	+12 21	34.8			691

1981 EX10	1992 11	18.16346	02 53	43.50	+12	21	27.5		691
1981 EX10	1992 11	18.19186	02 53	42.03	+12	21	19.1	19.9 V	691
1981 EB15	1992 12	25.50943	08 47	00.15	+15	15	16.3		691
1981 EB15	1992 12	25.53065	08 46	59.57	+15	15	15.3		691
1981 EB15	1992 12	25.55177	08 46	59.00	+15	15	15.2	17.9 V	691
1981 EH20	1992 11	26.17795	03 50	56.72	+17	02	37.3		691
1981 EH20	1992 11	26.20142	03 50	55.34	+17	02	32.8		691
1981 EH20	1992 11	26.21677	03 50	54.46	+17	02	29.9	20.0 V	691
1981 EP37	1992 12	24.41964	08 30	52.97	+16	49	27.2	19.0 V	691
1981 EP37	1992 12	24.44575	08 30	51.94	+16	49	28.6		691
1981 EP37	1992 12	24.47272	08 30	50.80	+16	49	29.6		691
1981 EP37	1992 12	25.44553	08 30	12.79	+16	50	20.5	19.5 V	691
1981 EP37	1992 12	25.46843	08 30	11.78	+16	50	22.4		691
1981 WM	1992 11	19.18163	03 11	35.02	+13	51	54.3	16.4 V	691
1981 WM	1992 11	19.20034	03 11	33.82	+13	51	53.0		691
1981 WM	1992 11	19.21896	03 11	32.62	+13	51	51.6		691
1987 JA	1992 10	25.41122	02 03	29.13	+12	56	51.5	16.4 V	691
1987 JA	1992 10	25.44422	02 03	26.99	+12	56	45.1		691
1987 JA	1992 10	25.46670	02 03	25.53	+12	56	40.6		691
1988 BZ1	1992 11	27.23667	03 53	19.19	+19	15	49.4	17.0 V	691
1988 BZ1	1992 11	27.27422	03 53	17.25	+19	15	43.5		691
1988 BZ1	1992 11	27.30958	03 53	15.39	+19	15	37.8		691
1988 EB1	1992 04	24.33541	14 36	02.72	-13	26	26.7	17.1 V	691
1988 EB1	1992 04	24.35617	14 36	01.47	-13	26	23.6	17.0 V	691
1988 EB1	1992 04	24.37802	14 36	00.15	-13	26	20.4	17.1 V	691
1988 RM11	1992 12	25.43135	08 42	08.80	+16	55	10.4		691
1988 RM11	1992 12	25.45379	08 42	08.30	+16	55	12.6	19.0 V	691
1988 RM11	1992 12	25.47670	08 42	07.75	+16	55	14.3		691
1988 SP	1992 11	27.35688	04 03	30.43	+19	46	03.4	15.7 V	691
1988 SP	1992 11	27.39197	04 03	28.22	+19	46	00.9		691
1988 SP	1992 11	27.42735	04 03	26.05	+19	45	58.3		691
1988 VK2	1992 11	16.29190	03 00	27.75	+10	55	41.9		691
1988 VK2	1992 11	16.31413	03 00	26.38	+10	55	42.5	16.4 V	691
1988 VK2	1992 11	16.33631	03 00	25.00	+10	55	43.0		691
1989 AN1	1992 11	26.10198	02 53	14.03	+16	55	44.1	17.0 V	691
1989 AN1	1992 11	26.12619	02 53	12.81	+16	55	40.2		691
1989 AN1	1992 11	26.14982	02 53	11.56	+16	55	36.1		691
1990 DK3	1992 11	19.18273	03 13	09.76	+14	11	47.7	18.4 V	691
1990 DK3	1992 11	19.20143	03 13	08.64	+14	11	44.4		691
1990 DK3	1992 11	19.22006	03 13	07.44	+14	11	38.5		691
1990 EO4	1992 11	18.41172	04 15	43.27	+13	11	38.7	16.6 V	691
1990 EO4	1992 11	18.43745	04 15	41.77	+13	11	31.8		691
1990 EO4	1992 11	18.46349	04 15	40.22	+13	11	24.7		691
1990 OE5	1991 11	12.24093	02 50	37.04	+19	49	22.1		691
1990 OE5	1991 11	12.26271	02 50	35.88	+19	49	14.6	18.2 V	691
1990 OE5	1991 11	12.28871	02 50	34.51	+19	49	05.8		691
1990 VA	1992 12	01.34791	04 26	00.65	-10	46	07.9	18.8 V	691
1990 VA	1992 12	01.35581	04 25	59.10	-10	46	21.5		691
1990 VA	1992 12	01.36327	04 25	57.61	-10	46	34.4		691
1991 JU	1992 11	26.10621	02 59	20.43	+16	52	48.2	17.1 V	691
1991 JU	1992 11	26.13042	02 59	18.92	+16	52	47.6		691
1991 JU	1992 11	26.15404	02 59	17.44	+16	52	46.9		691
1991 NZ6	1992 11	18.30861	03 37	25.79	+12	42	10.2	16.3 V	691
1991 NZ6	1992 11	18.33465	03 37	24.33	+12	42	06.8		691
1991 NZ6	1992 11	18.36167	03 37	22.71	+12	42	03.7		691
1991 OZ	1992 11	28.29117	04 21	26.02	+22	26	48.9	17.5 V	691
1991 OZ	1992 11	28.32006	04 21	24.05	+22	26	41.7		691
1991 OZ	1992 11	28.35148	04 21	21.93	+22	26	34.1		691
1991 PE5	1992 11	26.10016	02 50	36.16	+16	49	22.5		691

1991 PE5	1992 11	26.12437	02 50	35.03	+16 49	17.3	17.0 V	691
1991 PE5	1992 11	26.14800	02 50	33.88	+16 49	11.7		691
1991 RB8	1991 10	04.36883	00 55	02.72	+01 17	16.9	16.7 V	691
1991 RB8	1991 10	04.38995	00 55	01.37	+01 17	12.1		691
1991 RB8	1991 10	04.41303	00 54	59.87	+01 17	06.9		691
1991 VT	1991 11	13.25616	03 17	19.46	+09 35	17.8		691
1991 VT	1991 11	13.27820	03 17	17.86	+09 35	24.6	16.4 V	691
1991 VT	1991 11	13.29986	03 17	16.28	+09 35	31.6		691
1992 BW3	1991 11	11.43305	03 51	21.13	+20 21	08.1	17.8 V	691
1992 BW3	1991 11	11.45467	03 51	19.53	+20 21	09.0		691
1992 BW3	1991 11	11.47654	03 51	18.02	+20 21	09.8		691
1992 HD5	1992 05	08.24139	14 09	25.13	-12 19	02.4	18.6 V	691
1992 HD5	1992 05	08.26653	14 09	23.77	-12 19	02.1		691
1992 HD5	1992 05	08.28992	14 09	22.57	-12 19	02.4		691
1992 HF5	1992 04	24.32923	14 27	06.82	-13 16	59.2	17.3 V	691
1992 HF5	1992 04	24.34998	14 27	05.50	-13 16	59.1		691
1992 HF5	1992 04	24.37184	14 27	04.09	-13 16	59.9		691
1992 HJ5	1992 05	08.24816	14 19	11.89	-12 43	34.8		691
1992 HJ5	1992 05	08.27330	14 19	10.47	-12 43	31.5	18.4 V	691
1992 HJ5	1992 05	08.29669	14 19	09.18	-12 43	28.5		691
1992 HK5	1992 04	24.33187	14 30	55.70	-13 28	37.4	16.2 V	691
1992 HK5	1992 04	24.35262	14 30	54.39	-13 28	28.9		691
1992 HK5	1992 04	24.37448	14 30	53.03	-13 28	20.0		691
1992 RG4	1992 11	17.11293	23 08	27.94	-10 38	53.0	19.2 V	691
1992 RG4	1992 11	17.12465	23 08	28.71	-10 38	49.8		691
1992 RG4	1992 11	17.13673	23 08	29.47	-10 38	46.1		691
1992 TA	1992 11	18.09305	22 15	34.84	+16 23	03.8	18.9 V	691
1992 TA	1992 11	18.10140	22 15	35.06	+16 23	12.1		691
1992 TA	1992 11	18.10966	22 15	35.27	+16 23	20.8		691
1992 TB	1992 12	17.07524	23 29	42.00	-11 31	39.3	21.6 V	691
1992 TB	1992 12	17.08484	23 29	42.51	-11 31	38.3	21.8 V	691
1992 TB	1992 12	17.09975	23 29	43.51	-11 31	36.1	21.6 V	691
1992 TB	1992 12	17.10959	23 29	44.19	-11 31	33.1	20.2 V	691
1992 UG2	1992 11	20.07815	01 54	35.69	+14 15	15.6		691
1992 UG2	1992 11	20.09864	01 54	34.71	+14 15	14.6	18.2 V	691
1992 UG2	1992 11	20.11945	01 54	33.77	+14 15	13.6		691
1992 UJ2	1992 11	20.08856	02 09	37.41	+14 17	57.7		691
1992 UJ2	1992 11	20.10905	02 09	36.68	+14 17	50.3	17.8 V	691
1992 UJ2	1992 11	20.12986	02 09	35.94	+14 17	41.6		691
1992 UK5	1992 11	26.10725	03 00	50.46	+17 15	52.2		691
1992 UK5	1992 11	26.13146	03 00	49.00	+17 15	49.7	16.9 V	691
1992 UK5	1992 11	26.15508	03 00	47.56	+17 15	47.2		691
1992 UP6	1992 11	18.14001	02 56	44.36	+12 41	40.6		691
1992 UP6	1992 11	18.16553	02 56	43.19	+12 41	27.7	16.0 V	691
1992 UP6	1992 11	18.19394	02 56	41.89	+12 41	13.0		691
1992 UK8	1992 11	20.08016	01 57	29.69	+14 02	55.5	17.9 V	691
1992 UK8	1992 11	20.10065	01 57	29.00	+14 02	48.1		691
1992 UK8	1992 11	20.12146	01 57	28.41	+14 02	40.8		691
1992 WA	1992 12	02.28114	04 41	16.93	+13 54	06.5		691
1992 WA	1992 12	02.28911	04 41	15.82	+13 54	08.3	18.0 V	691
1992 WA	1992 12	02.29716	04 41	14.71	+13 54	10.5		691
1992 WA	1992 12	16.13844	04 13	56.92	+15 01	55.0		691
1992 WA	1992 12	16.17986	04 13	52.56	+15 02	08.5		691
1992 WA	1992 12	16.21284	04 13	49.06	+15 02	20.7	19.3 V	691
1992 WA	1992 12	16.22580	04 13	47.72	+15 02	25.0		691
1992 WH	1992 11	27.11161	03 09	26.31	+17 25	46.3	17.6 V	691
1992 WH	1992 11	27.13432	03 09	25.04	+17 25	38.6		691
1992 WH	1992 11	27.15897	03 09	23.69	+17 25	29.7		691
1992 WY	1992 11	27.17117	03 48	38.41	+18 34	53.6		691

1992 WY	1992 11	27.19264	03 48	37.03	+18	34	45.4	16.8	V	691
1992 WY	1992 11	27.21200	03 48	35.79	+18	34	37.7			691
1992 WZ	1992 11	24.27637	03 52	08.66	+20	47	17.5			691
1992 WZ	1992 11	24.29942	03 52	07.01	+20	47	19.3	16.2	V	691
1992 WZ	1992 11	24.32242	03 52	05.34	+20	47	20.4			691
1992 WK1	1992 11	17.41004	04 12	01.00	+12	14	52.5	15.6	V	691
1992 WK1	1992 11	17.43558	04 11	59.45	+12	15	00.2			691
1992 WK1	1992 11	17.46158	04 11	57.86	+12	15	07.9			691
1992 WS1	1992 11	27.36736	04 18	38.05	+19	29	45.2	16.9	V	691
1992 WS1	1992 11	27.40245	04 18	36.05	+19	29	45.8			691
1992 WS1	1992 11	27.43783	04 18	34.04	+19	29	45.9			691
1992 WB2	1992 11	25.09831	03 31	12.27	+21	53	42.3			691
1992 WB2	1992 11	25.12241	03 31	10.84	+21	53	37.2	16.9	V	691
1992 WB2	1992 11	25.14731	03 31	09.29	+21	53	31.9			691
1992 WE2	1992 11	25.15838	03 35	38.20	+21	59	01.7	16.7	V	691
1992 WF2	1992 11	25.15999	03 38	02.96	+21	49	07.1	17.5	V	691
1992 WF2	1992 11	25.18522	03 38	01.50	+21	49	03.3			691
1992 WF2	1992 11	25.20961	03 38	00.10	+21	48	59.7			691
1992 WF2	1992 11	25.23730	03 37	58.49	+21	48	55.5	17.4	V	691
1992 WF2	1992 11	25.26193	03 37	57.09	+21	48	51.4			691
1992 WF2	1992 11	25.28798	03 37	55.62	+21	48	47.3			691
1992 WJ2	1992 11	25.23907	03 40	31.64	+21	30	37.8			691
1992 WJ2	1992 11	25.26369	03 40	30.01	+21	30	36.6			691
1992 WJ2	1992 11	25.28974	03 40	28.13	+21	30	36.2	16.5	V	691
1992 WK2	1992 11	24.27020	03 43	13.84	+20	39	54.8			691
1992 WK2	1992 11	24.29325	03 43	12.30	+20	39	47.9			691
1992 WK2	1992 11	24.31625	03 43	10.78	+20	39	40.9	17.9	V	691
1992 WL2	1992 11	24.16720	03 44	53.96	+21	06	46.9	17.4	V	691
1992 WL2	1992 11	24.19323	03 44	52.25	+21	06	49.0			691
1992 WL2	1992 11	24.21614	03 44	50.73	+21	06	50.5			691
1992 WS2	1992 11	25.25360	04 01	30.31	+21	40	49.4	17.6	V	691
1992 WS2	1992 11	25.27822	04 01	28.99	+21	40	46.1			691
1992 WS2	1992 11	25.30428	04 01	27.62	+21	40	42.9			691
1992 WZ2	1992 11	25.16251	03 41	42.03	+21	52	49.3			691
1992 WZ2	1992 11	25.18775	03 41	40.22	+21	52	55.0	17.0	V	691
1992 WZ2	1992 11	25.21213	03 41	38.48	+21	53	00.0			691
1992 WJ3	1992 11	17.40867	04 10	02.75	+12	10	41.0			691
1992 WJ3	1992 11	17.43421	04 10	01.15	+12	10	34.1			691
1992 WJ3	1992 11	17.46021	04 09	59.53	+12	10	27.1	17.4	V	691
1992 WR3	1992 11	18.48640	04 49	37.25	+12	01	48.9	15.7	V	691
1992 WR3	1992 11	18.50005	04 49	36.57	+12	01	50.8			691
1992 WR3	1992 11	18.51342	04 49	35.75	+12	01	52.2			691
1992 WT3	1992 11	17.40858	04 09	55.01	+11	59	28.4			691
1992 WT3	1992 11	17.43413	04 09	53.48	+11	59	31.3	17.1	V	691
1992 WT3	1992 11	17.46012	04 09	51.93	+11	59	34.2			691
1992 WY3	1992 11	17.40858	04 09	55.27	+12	14	38.1	17.7	V	691
1992 WY3	1992 11	17.43413	04 09	53.67	+12	14	38.6			691
1992 WY3	1992 11	17.46013	04 09	52.06	+12	14	38.7			691
1992 WZ3	1992 11	21.27995	03 52	33.69	+14	48	07.3			691
1992 WZ3	1992 11	21.30839	03 52	31.99	+14	47	51.7	17.1	V	691
1992 WZ3	1992 11	21.33504	03 52	30.49	+14	47	37.4			691
1992 WA4	1992 11	26.39154	03 48	58.38	+17	50	43.2	16.8	V	691
1992 WA4	1992 11	26.41423	03 48	57.14	+17	50	42.8			691
1992 WG4	1992 11	26.24496	04 04	43.98	+17	46	59.1	16.6	V	691
1992 WG4	1992 11	26.27912	04 04	41.61	+17	46	56.6			691
1992 WG4	1992 11	26.31432	04 04	39.32	+17	46	54.4			691
1992 WH4	1992 11	21.38198	04 14	12.82	+15	57	39.2	17.5	V	691
1992 WH4	1992 11	21.40797	04 14	11.30	+15	57	29.2			691
1992 WH4	1992 11	21.43413	04 14	09.75	+15	57	18.6			691

1992 WS4		1992 11	29.24584	03 13	13.67	+26	01	30.9	17.5 V	691
1992 WS4		1992 11	29.25641	03 13	13.04	+26	01	30.7	17.5 V	691
1992 WS4		1992 11	29.26698	03 13	12.37	+26	01	30.0	17.3 V	691
1992 WS4		1992 12	01.28545	03 11	17.63	+26	00	39.9	17.2 V	691
1992 WS4		1992 12	01.30588	03 11	16.43	+26	00	39.0	17.1 V	691
1992 WS4		1992 12	01.32648	03 11	15.25	+26	00	38.6	17.1 V	691
1992 WP5		1992 11	26.25468	04 18	45.65	+17	36	44.2		691
1992 WP5		1992 11	26.28884	04 18	43.32	+17	36	40.9		691
1992 WP5		1992 11	26.32404	04 18	40.68	+17	36	37.3	16.5 V	691
1992 WS5		1992 11	28.28976	04 19	23.76	+22	32	46.8	16.4 V	691
1992 WS5		1992 11	28.31865	04 19	21.78	+22	32	56.4		691
1992 WS5		1992 11	28.35006	04 19	19.62	+22	33	06.9		691
1992 WT5		1992 12	01.28592	03 11	58.27	+25	46	16.0	17.6 V	691
1992 WT5		1992 12	01.30635	03 11	56.96	+25	46	16.6		691
1992 WT5		1992 12	01.32694	03 11	55.61	+25	46	17.9		691
1992 WU5		1992 11	29.24649	03 14	09.80	+25	46	49.2		691
1992 WU5		1992 11	29.25706	03 14	09.12	+25	46	48.4	17.9 V	691
1992 WU5		1992 11	29.26762	03 14	08.50	+25	46	46.9		691
1992 WV5		1992 11	24.42928	04 52	21.41	+20	47	41.2	17.8 V	691
1992 WV5		1992 11	24.45258	04 52	20.11	+20	47	38.2		691
1992 WV5		1992 11	24.47845	04 52	18.71	+20	47	33.8		691
1992 WE6	*	1992 11	17.32263	03 07	08.26	+12	15	41.3		691
1992 WE6		1992 11	17.34816	03 07	06.47	+12	15	45.8	17.2 V	691
1992 WE6		1992 11	17.37381	03 07	04.68	+12	15	50.6		691
1992 WE6		1992 11	18.28687	03 06	02.63	+12	18	40.6		691
1992 WE6		1992 11	18.31291	03 06	00.80	+12	18	45.9	17.1 V	691
1992 WE6		1992 11	18.33993	03 05	59.04	+12	18	50.5		691
1992 WF6	*	1992 11	17.32884	03 16	06.21	+12	19	18.1		691
1992 WF6		1992 11	17.35437	03 16	04.88	+12	19	16.1		691
1992 WF6		1992 11	17.38003	03 16	03.56	+12	19	14.1	19.3 V	691
1992 WF6		1992 11	18.29328	03 15	17.42	+12	17	57.7		691
1992 WF6		1992 11	18.31932	03 15	16.10	+12	17	55.8	19.6 V	691
1992 WF6		1992 11	18.34634	03 15	14.63	+12	17	53.8		691
1992 WG6	*	1992 11	17.41383	04 17	29.72	+11	55	24.7	20.3 V	691
1992 WG6		1992 11	17.43938	04 17	28.45	+11	55	09.3		691
1992 WG6		1992 11	17.46538	04 17	27.19	+11	54	54.7		691
1992 WG6		1992 12	01.18235	04 06	20.07	+09	53	37.8	20.7 V	691
1992 WG6		1992 12	01.21187	04 06	18.66	+09	53	23.3		691
1992 WG6		1992 12	01.24774	04 06	16.96	+09	53	06.1		691
1992 WH6	*	1992 11	19.17735	03 05	11.02	+14	00	50.3		691
1992 WH6		1992 11	19.19606	03 05	09.90	+14	00	43.6	19.9 V	691
1992 WH6		1992 11	19.21470	03 05	08.79	+14	00	37.2		691
1992 WH6		1992 11	20.34377	03 04	03.78	+13	53	51.8	19.9 V	691
1992 WH6		1992 11	20.36080	03 04	02.78	+13	53	45.7		691
1992 WH6		1992 11	20.37778	03 04	01.79	+13	53	39.7		691
1992 WJ6	*	1992 11	19.17801	03 06	20.81	+13	55	48.0	19.5 V	691
1992 WJ6		1992 11	19.19671	03 06	19.92	+13	55	41.2		691
1992 WJ6		1992 11	19.21534	03 06	19.02	+13	55	34.7		691
1992 WJ6		1992 11	20.34473	03 05	26.60	+13	48	38.3	19.6 V	691
1992 WJ6		1992 11	20.36176	03 05	25.80	+13	48	31.8		691
1992 WJ6		1992 11	20.37874	03 05	25.01	+13	48	25.8		691
1992 WK6	*	1992 11	19.17818	03 06	35.59	+14	15	56.3	19.1 V	691
1992 WK6		1992 11	19.19688	03 06	34.41	+14	15	48.0		691
1992 WK6		1992 11	19.21551	03 06	33.54	+14	15	45.8		691
1992 WK6		1992 11	20.34483	03 05	34.93	+14	09	44.4	19.8 V	691
1992 WK6		1992 11	20.36185	03 05	34.03	+14	09	38.4		691
1992 WK6		1992 11	20.37884	03 05	33.11	+14	09	33.3		691
1992 WL6	*	1992 11	19.17885	03 07	33.72	+14	09	55.7	19.6 V	691
1992 WL6		1992 11	19.19755	03 07	32.49	+14	09	58.2		691

1992 WL6		1992 11	19.21618	03 07	31.29	+14 10	00.2		691
1992 WL6		1992 11	20.34534	03 06	19.57	+14 12	05.5		691
1992 WL6		1992 11	20.36237	03 06	18.49	+14 12	07.3	19.5 V	691
1992 WL6		1992 11	20.37935	03 06	17.38	+14 12	09.5		691
1992 WM6	*	1992 11	19.17919	03 08	03.26	+14 10	09.7	17.9 V	691
1992 WM6		1992 11	19.19789	03 08	02.09	+14 10	06.2		691
1992 WM6		1992 11	19.21652	03 08	00.93	+14 10	02.9		691
1992 WM6		1992 11	20.34572	03 06	52.34	+14 06	28.9		691
1992 WM6		1992 11	20.36274	03 06	51.28	+14 06	25.7	17.9 V	691
1992 WM6		1992 11	20.37973	03 06	50.24	+14 06	22.6		691
1992 WN6	*	1992 11	19.17948	03 08	28.64	+14 17	21.6	19.0 V	691
1992 WN6		1992 11	19.19819	03 08	27.76	+14 17	17.0		691
1992 WN6		1992 11	19.21682	03 08	26.89	+14 17	12.2		691
1992 WN6		1992 11	20.34621	03 07	35.08	+14 12	18.2		691
1992 WN6		1992 11	20.36324	03 07	34.27	+14 12	14.1	19.5 V	691
1992 WN6		1992 11	20.38023	03 07	33.48	+14 12	09.3		691
1992 WO6	*	1992 11	19.17950	03 08	30.50	+13 56	17.6		691
1992 WO6		1992 11	19.19821	03 08	29.30	+13 56	16.3	19.9 V	691
1992 WO6		1992 11	19.21683	03 08	28.09	+13 56	14.7		691
1992 WO6		1992 11	20.34600	03 07	16.80	+13 54	22.9	20.1 V	691
1992 WO6		1992 11	20.36303	03 07	15.69	+13 54	20.8		691
1992 WO6		1992 11	20.38001	03 07	14.62	+13 54	19.6		691
1992 WP6	*	1992 11	19.17963	03 08	41.69	+14 05	07.6	20.7 V	691
1992 WP6		1992 11	19.19833	03 08	40.29	+14 05	09.8		691
1992 WP6		1992 11	19.21696	03 08	38.94	+14 05	11.1		691
1992 WP6		1992 11	20.34602	03 07	18.30	+14 06	49.3	20.6 V	691
1992 WP6		1992 11	20.36304	03 07	17.06	+14 06	50.2		691
1992 WQ6	*	1992 11	19.17981	03 08	57.06	+14 16	04.2		691
1992 WQ6		1992 11	19.19852	03 08	56.23	+14 15	57.0	19.2 V	691
1992 WQ6		1992 11	19.21715	03 08	55.29	+14 15	51.1		691
1992 WQ6		1992 11	20.34656	03 08	05.24	+14 08	24.2	19.4 V	691
1992 WQ6		1992 11	20.36359	03 08	04.47	+14 08	17.6		691
1992 WQ6		1992 11	20.38057	03 08	03.72	+14 08	10.9		691
1992 WR6	*	1992 11	19.17994	03 09	08.66	+14 02	08.1		691
1992 WR6		1992 11	19.19865	03 09	07.51	+14 02	04.1		691
1992 WR6		1992 11	19.21728	03 09	06.39	+14 02	00.4	20.5 V	691
1992 WR6		1992 11	20.34649	03 07	59.46	+13 58	08.9		691
1992 WR6		1992 11	20.36352	03 07	58.46	+13 58	05.7	20.6 V	691
1992 WR6		1992 11	20.38050	03 07	57.45	+13 58	01.9		691
1992 WS6	*	1992 11	19.18000	03 09	13.65	+13 54	24.3	18.1 V	691
1992 WS6		1992 11	19.19870	03 09	12.50	+13 54	20.0		691
1992 WS6		1992 11	19.21733	03 09	11.35	+13 54	16.2		691
1992 WS6		1992 11	20.34655	03 08	04.52	+13 50	08.5	18.2 V	691
1992 WS6		1992 11	20.36358	03 08	03.47	+13 50	04.8		691
1992 WS6		1992 11	20.38056	03 08	02.44	+13 50	00.9		691
1992 WT6	*	1992 11	19.18027	03 09	36.57	+13 49	24.4	19.0 V	691
1992 WT6		1992 11	19.19897	03 09	35.33	+13 49	23.6		691
1992 WT6		1992 11	19.21760	03 09	34.11	+13 49	22.3		691
1992 WT6		1992 11	20.34676	03 08	22.25	+13 48	06.6	19.0 V	691
1992 WT6		1992 11	20.36378	03 08	21.22	+13 48	05.8		691
1992 WT6		1992 11	20.38076	03 08	20.06	+13 48	04.6		691
1992 WU6	*	1992 11	19.18073	03 10	16.51	+14 12	03.8		691
1992 WU6		1992 11	19.19943	03 10	15.24	+14 12	03.3		691
1992 WU6		1992 11	19.21806	03 10	13.97	+14 12	03.3	19.2 V	691
1992 WU6		1992 11	20.34717	03 08	58.44	+14 11	48.4	19.4 V	691
1992 WU6		1992 11	20.36420	03 08	57.28	+14 11	48.0		691
1992 WU6		1992 11	20.38118	03 08	56.11	+14 11	48.0		691
1992 WV6	*	1992 11	19.45773	05 04	13.11	+13 04	35.2		691
1992 WV6		1992 11	19.48372	05 04	11.73	+13 04	33.6	18.6 V	691

1992 WV6		1992 11	19.51018	05 04	10.35	+13 04	32.0		691
1992 WV6		1992 11	20.39196	05 03	25.19	+13 03	53.7	18.3 V	691
1992 WV6		1992 11	20.40043	05 03	24.73	+13 03	53.2		691
1992 WV6		1992 11	20.40941	05 03	24.25	+13 03	52.9		691
1992 WW6	*	1992 11	19.45784	05 04	22.76	+13 14	36.1	19.7 V	691
1992 WW6		1992 11	19.48383	05 04	21.22	+13 14	39.6		691
1992 WW6		1992 11	19.51029	05 04	19.72	+13 14	40.7		691
1992 WW6		1992 11	20.39200	05 03	29.14	+13 15	51.1		691
1992 WW6		1992 11	20.40048	05 03	28.65	+13 15	51.7	19.5 V	691
1992 WW6		1992 11	20.40946	05 03	28.10	+13 15	52.6		691
1992 WW6		1992 11	21.24004	05 02	39.90	+13 17	01.1		691
1992 WW6		1992 11	21.24792	05 02	39.51	+13 17	01.9	20.2 V	691
1992 WW6		1992 11	21.25551	05 02	39.03	+13 17	02.1		691
1992 WX6	*	1992 11	19.46157	05 09	46.15	+13 17	09.9	19.6 V	691
1992 WX6		1992 11	19.48756	05 09	44.76	+13 17	05.6		691
1992 WX6		1992 11	19.51402	05 09	43.35	+13 17	02.2		691
1992 WX6		1992 11	20.39580	05 08	58.51	+13 15	06.3		691
1992 WX6		1992 11	20.40428	05 08	58.06	+13 15	05.4	19.2 V	691
1992 WX6		1992 11	20.41326	05 08	57.57	+13 15	04.2		691
1992 WY6	*	1992 11	19.46186	05 10	11.25	+13 02	56.4		691
1992 WY6		1992 11	19.48786	05 10	09.94	+13 02	54.3	19.4 V	691
1992 WY6		1992 11	19.51431	05 10	08.54	+13 02	52.2		691
1992 WY6		1992 11	20.39611	05 09	24.95	+13 01	46.7		691
1992 WY6		1992 11	20.40459	05 09	24.47	+13 01	45.9	19.3 V	691
1992 WY6		1992 11	20.41356	05 09	24.01	+13 01	45.3		691
1992 WY6		1992 11	20.42880	05 09	23.20	+13 01	45.6		691
1992 WY6		1992 11	20.43719	05 09	22.88	+13 01	44.6	19.1 V	691
1992 WY6		1992 11	20.44521	05 09	22.35	+13 01	43.2		691
1992 WZ6	*	1992 11	20.39106	05 01	32.91	+13 02	17.6	18.1 V	691
1992 WZ6		1992 11	20.39954	05 01	32.34	+13 02	24.8		691
1992 WZ6		1992 11	20.40852	05 01	31.77	+13 02	32.2		691
1992 WZ6		1992 11	20.42376	05 01	30.77	+13 02	45.3		691
1992 WZ6		1992 11	20.43215	05 01	30.25	+13 02	52.1	18.2 V	691
1992 WZ6		1992 11	20.44017	05 01	29.73	+13 02	59.0		691
1992 WZ6		1992 11	21.23881	05 00	40.79	+13 14	13.8	17.8 V	691
1992 WZ6		1992 11	21.24669	05 00	40.27	+13 14	20.7		691
1992 WZ6		1992 11	21.25428	05 00	39.84	+13 14	27.4		691
1992 WA7	*	1992 11	20.39113	05 01	45.52	+13 25	43.0	19.7 V	691
1992 WA7		1992 11	20.39961	05 01	45.11	+13 25	41.4		691
1992 WA7		1992 11	20.40859	05 01	44.67	+13 25	39.8		691
1992 WA7		1992 11	20.42383	05 01	43.97	+13 25	37.0		691
1992 WA7		1992 11	20.43222	05 01	43.62	+13 25	35.2	19.6 V	691
1992 WA7		1992 11	20.44025	05 01	43.25	+13 25	33.5		691
1992 WA7		1992 11	21.23900	05 01	09.82	+13 23	03.7	19.0 V	691
1992 WA7		1992 11	21.24688	05 01	09.47	+13 23	03.4		691
1992 WA7		1992 11	21.25447	05 01	09.16	+13 23	02.1		691
1992 WB7	*	1992 11	20.39175	05 03	07.39	+13 30	29.4	20.2 V	691
1992 WB7		1992 11	20.40023	05 03	06.95	+13 30	30.2		691
1992 WB7		1992 11	20.40921	05 03	06.47	+13 30	29.7		691
1992 WB7		1992 11	20.42444	05 03	05.65	+13 30	30.0		691
1992 WB7		1992 11	20.43283	05 03	05.22	+13 30	29.3		691
1992 WB7		1992 11	20.44085	05 03	04.78	+13 30	29.3	20.5 V	691
1992 WB7		1992 11	24.24533	04 59	40.67	+13 30	53.4		691
1992 WB7		1992 11	24.25158	04 59	40.30	+13 30	52.8		691
1992 WB7		1992 11	24.25560	04 59	40.06	+13 30	53.2	20.1 V	691
1992 WC7	*	1992 11	20.39505	05 07	53.61	+13 31	11.1		691
1992 WC7		1992 11	20.40353	05 07	53.15	+13 31	10.9	20.0 V	691
1992 WC7		1992 11	20.41251	05 07	52.71	+13 31	10.2		691
1992 WC7		1992 11	20.42774	05 07	51.87	+13 31	09.4	20.3 V	691

1992 WC7		1992 11	20.43613	05 07	51.42	+13	31	08.3		691
1992 WC7		1992 11	20.44415	05 07	50.88	+13	31	09.5		691
1992 WC7		1992 11	21.24316	05 07	10.09	+13	30	36.1		691
1992 WC7		1992 11	21.25104	05 07	09.65	+13	30	35.1	20.3 V	691
1992 WC7		1992 11	21.25862	05 07	09.19	+13	30	35.8		691
1992 WD7	*	1992 11	23.34742	03 46	58.05	+19	39	57.2	17.3 V	691
1992 WD7		1992 11	23.37066	03 46	56.83	+19	39	49.5		691
1992 WD7		1992 11	23.39365	03 46	55.64	+19	39	41.6		691
1992 WD7		1992 11	27.23001	03 43	41.16	+19	17	49.2		691
1992 WD7		1992 11	27.26756	03 43	39.24	+19	17	36.8	18.1 V	691
1992 WD7		1992 11	27.30294	03 43	37.48	+19	17	24.5		691
1992 WE7	*	1992 11	23.34948	03 49	56.27	+19	17	49.3		691
1992 WE7		1992 11	23.37271	03 49	54.89	+19	17	44.3	19.9 V	691
1992 WE7		1992 11	23.39571	03 49	53.48	+19	17	37.8		691
1992 WE7		1992 11	27.23178	03 46	15.63	+19	02	00.6	20.1 V	691
1992 WE7		1992 11	27.26933	03 46	13.38	+19	01	52.7		691
1992 WF7	*	1992 11	23.34951	03 49	59.09	+19	17	46.2	20.0 V	691
1992 WF7		1992 11	23.37275	03 49	57.79	+19	17	39.7		691
1992 WF7		1992 11	23.39574	03 49	56.51	+19	17	33.8		691
1992 WF7		1992 11	27.23195	03 46	30.02	+19	00	02.0		691
1992 WF7		1992 11	27.30485	03 46	26.00	+18	59	42.3	20.3 V	691
1992 WG7	*	1992 11	23.34980	03 50	24.47	+19	20	51.5	17.9 V	691
1992 WG7		1992 11	23.37304	03 50	23.07	+19	20	46.4		691
1992 WG7		1992 11	23.39603	03 50	21.73	+19	20	40.4		691
1992 WG7		1992 11	27.23204	03 46	38.16	+19	04	24.8		691
1992 WG7		1992 11	27.26959	03 46	35.93	+19	04	15.7	18.1 V	691
1992 WG7		1992 11	27.30494	03 46	33.81	+19	04	06.5		691
1992 WH7	*	1992 11	23.35018	03 50	57.46	+19	22	37.5		691
1992 WH7		1992 11	23.37342	03 50	55.94	+19	22	32.0	20.2 V	691
1992 WH7		1992 11	23.39641	03 50	54.42	+19	22	26.3		691
1992 WH7		1992 11	27.23222	03 46	53.40	+19	06	01.3		691
1992 WH7		1992 11	27.26976	03 46	50.97	+19	05	52.6		691
1992 WH7		1992 11	27.30511	03 46	48.70	+19	05	43.6	20.4 V	691
1992 WJ7	*	1992 11	23.35087	03 51	56.67	+19	38	40.8	18.8 V	691
1992 WJ7		1992 11	23.37411	03 51	55.51	+19	38	38.3		691
1992 WJ7		1992 11	23.39710	03 51	54.36	+19	38	35.3		691
1992 WJ7		1992 11	27.34660	03 48	39.98	+19	30	13.4	19.1 V	691
1992 WJ7		1992 11	27.38169	03 48	38.26	+19	30	08.6		691
1992 WJ7		1992 11	27.41709	03 48	36.49	+19	30	03.9		691
1992 WK7	*	1992 11	23.35153	03 52	53.87	+19	31	58.9	19.5 V	691
1992 WK7		1992 11	23.37476	03 52	52.40	+19	31	53.6		691
1992 WK7		1992 11	23.39776	03 52	51.01	+19	31	47.6		691
1992 WK7		1992 11	27.23370	03 49	01.73	+19	15	26.3	19.8 V	691
1992 WK7		1992 11	27.27124	03 48	59.52	+19	15	17.1		691
1992 WK7		1992 11	27.30660	03 48	57.34	+19	15	08.2		691
1992 WL7	*	1992 11	23.35295	03 54	56.79	+19	21	01.7		691
1992 WL7		1992 11	23.37618	03 54	55.28	+19	20	55.6	19.8 V	691
1992 WL7		1992 11	23.39917	03 54	53.72	+19	20	48.8		691
1992 WL7		1992 11	27.23491	03 50	46.88	+19	00	48.5	19.9 V	691
1992 WL7		1992 11	27.27245	03 50	44.37	+19	00	37.4		691
1992 WL7		1992 11	27.30781	03 50	42.07	+19	00	26.8		691
1992 WM7	*	1992 11	23.37328	03 50	43.61	+19	31	42.1		691
1992 WM7		1992 11	23.39627	03 50	42.30	+19	31	41.0	19.6 V	691
1992 WM7		1992 11	27.34555	03 47	08.70	+19	24	57.8		691
1992 WM7		1992 11	27.38064	03 47	06.77	+19	24	53.8	19.5 V	691
1992 WM7		1992 11	27.41603	03 47	04.86	+19	24	50.6		691
1992 WN7	*	1992 11	24.16358	03 39	41.12	+21	17	52.1	19.2 V	691
1992 WN7		1992 11	24.18962	03 39	39.23	+21	17	53.5		691
1992 WN7		1992 11	24.21252	03 39	37.56	+21	17	54.4		691

1992 WN7		1992 11 25.23760	03 38 24.22	+21 18 41.1	18.4 V	691
1992 WN7		1992 11 25.26222	03 38 22.38	+21 18 41.8		691
1992 WN7		1992 11 25.28827	03 38 20.44	+21 18 42.9		691
1992 WO7	*	1992 11 26.36517	03 49 35.53	+18 14 39.6		691
1992 WO7		1992 11 26.39195	03 49 34.04	+18 14 51.4		691
1992 WO7		1992 11 26.41464	03 49 32.83	+18 15 02.6	19.5 V	691
1992 WO7		1992 11 27.17136	03 48 55.09	+18 21 01.4	19.3 V	691
1992 WO7		1992 11 27.19284	03 48 53.93	+18 21 11.9		691
1992 WO7		1992 11 27.21220	03 48 52.85	+18 21 21.2		691
1992 WP7	*	1992 11 28.13853	02 48 54.54	+34 08 37.7		691
1992 WP7		1992 11 28.15971	02 48 53.25	+34 08 35.7	19.3 V	691
1992 WP7		1992 11 28.18101	02 48 51.89	+34 08 33.5		691
1992 WP7		1992 11 29.19627	02 47 52.94	+34 06 34.9	18.8 V	691
1992 WP7		1992 11 29.21443	02 47 52.24	+34 06 30.9		691
1992 WP7		1992 11 29.22552	02 47 51.34	+34 06 31.8		691
1992 WQ7	*	1992 11 29.24454	03 11 01.20	+26 06 47.4	19.4 V	691
1992 WQ7		1992 11 29.25511	03 11 00.52	+26 06 44.7		691
1992 WQ7		1992 11 29.26567	03 10 59.89	+26 06 42.8		691
1992 WQ7		1992 12 01.28433	03 09 08.25	+25 58 35.6	19.4 V	691
1992 WQ7		1992 12 01.30477	03 09 07.08	+25 58 30.1		691
1992 WQ7		1992 12 01.32537	03 09 05.98	+25 58 25.5		691
1992 WR7	*	1992 11 29.24653	03 14 13.38	+25 51 53.5	20.9 V	691
1992 WR7		1992 11 29.25710	03 14 12.77	+25 51 53.8		691
1992 WR7		1992 11 29.26767	03 14 12.15	+25 51 54.6		691
1992 WR7		1992 12 01.28617	03 12 19.75	+25 54 33.6	20.4 V	691
1992 WR7		1992 12 01.30659	03 12 18.56	+25 54 35.1		691
1992 WR7		1992 12 01.32719	03 12 17.37	+25 54 36.4		691
1992 WS7	*	1992 11 29.24704	03 14 57.75	+25 58 26.4	20.4 V	691
1992 WS7		1992 11 29.25761	03 14 57.25	+25 58 24.6		691
1992 WS7		1992 11 29.26818	03 14 56.57	+25 58 21.4		691
1992 WS7		1992 12 01.28672	03 13 07.38	+25 50 22.2		691
1992 WS7		1992 12 01.30715	03 13 06.39	+25 50 18.2		691
1992 WS7		1992 12 01.32775	03 13 05.23	+25 50 13.6	20.2 V	691
1992 WT7	*	1992 11 29.24930	03 18 13.83	+25 58 21.8		691
1992 WT7		1992 11 29.25987	03 18 13.10	+25 58 19.5	20.1 V	691
1992 WT7		1992 11 29.27044	03 18 12.58	+25 58 16.4		691
1992 WT7		1992 12 01.28914	03 16 36.59	+25 48 24.9	20.2 V	691
1992 WT7		1992 12 01.30956	03 16 35.60	+25 48 17.7		691
1992 WT7		1992 12 01.33016	03 16 34.58	+25 48 13.5		691
1992 WU7	*	1992 11 29.24940	03 18 21.67	+25 55 46.0		691
1992 WU7		1992 11 29.25996	03 18 20.82	+25 55 46.6	20.4 V	691
1992 WU7		1992 11 29.27053	03 18 20.08	+25 55 46.4		691
1992 WU7		1992 12 01.28888	03 16 14.40	+25 53 37.3		691
1992 WU7		1992 12 01.30930	03 16 13.06	+25 53 36.2		691
1992 WU7		1992 12 01.32990	03 16 11.72	+25 53 34.9	20.2 V	691
1992 WV7	*	1992 11 29.24945	03 18 26.82	+26 07 35.6		691
1992 WV7		1992 11 29.26002	03 18 26.21	+26 07 33.3	20.1 V	691
1992 WV7		1992 11 29.27059	03 18 25.66	+26 07 31.2		691
1992 WV7		1992 12 01.28917	03 16 39.44	+25 59 22.1		691
1992 WV7		1992 12 01.30959	03 16 38.33	+25 59 17.2	19.1 V	691
1992 WV7		1992 12 01.33019	03 16 37.26	+25 59 12.2		691
1992 WW7	*	1992 11 29.25079	03 20 22.52	+26 05 57.3	17.1 V	691
1992 WW7		1992 11 29.26136	03 20 21.89	+26 05 54.8		691
1992 WW7		1992 11 29.27193	03 20 21.24	+26 05 52.7		691
1992 WW7		1992 12 01.29040	03 18 25.90	+25 57 43.5		691
1992 WW7		1992 12 01.31082	03 18 24.70	+25 57 38.5	16.8 V	691
1992 WW7		1992 12 01.33142	03 18 23.50	+25 57 33.3		691
1992 WC8	*	1992 11 26.17956	03 53 16.82	+16 53 26.7		691
1992 WC8		1992 11 26.20304	03 53 15.53	+16 53 23.9	17.1 V	691

1992 WC8		1992 11	26.21839	03 53	14.65	+16 53	22.3		691
1992 XA	*	1992 12	01.19531	04 25	02.92	+10 09	38.0	19.1 V	691
1992 XA		1992 12	01.22484	04 25	01.73	+10 08	50.7	19.1 V	691
1992 XA		1992 12	01.26070	04 25	00.20	+10 07	53.5	19.5 V	691
1992 XA		1992 12	02.23242	04 24	24.10	+09 42	09.0	18.5 V	691
1992 XA		1992 12	02.24028	04 24	23.77	+09 41	56.6	18.6 V	691
1992 XA		1992 12	02.24787	04 24	23.49	+09 41	44.6	18.5 V	691
1992 XA		1992 12	02.40445	04 24	17.14	+09 37	37.2	19.6 V	691
1992 XA		1992 12	02.41195	04 24	16.82	+09 37	25.5	19.5 V	691
1992 XA		1992 12	02.41979	04 24	16.53	+09 37	13.1	19.8 V	691
1992 XA		1992 12	06.27375	04 21	59.38	+07 58	57.8	18.8 V	691
1992 XA		1992 12	06.28339	04 21	59.01	+07 58	43.8	18.9 V	691
1992 XA		1992 12	06.29330	04 21	58.63	+07 58	29.0	18.9 V	691
1992 XA		1992 12	16.18981	04 17	14.21	+04 19	01.5	19.9 V	691
1992 XA		1992 12	16.19826	04 17	14.03	+04 18	50.2		691
1992 XA		1993 01	01.14411	04 14	57.12	+00 21	11.5	19.9 V	691
1992 XA		1993 01	01.15151	04 14	57.16	+00 21	07.0	19.9 V	691
1992 XA		1993 01	01.15971	04 14	57.19	+00 21	01.6	20.0 V	691
1992 XC	*	1992 12	01.19789	04 28	46.32	+09 57	24.6		691
1992 XC		1992 12	01.22741	04 28	44.81	+09 57	13.4	20.1 V	691
1992 XC		1992 12	01.26327	04 28	42.99	+09 57	01.3		691
1992 XC		1992 12	02.23485	04 27	54.63	+09 51	11.5		691
1992 XC		1992 12	02.24271	04 27	54.21	+09 51	08.4	19.6 V	691
1992 XC		1992 12	02.25030	04 27	53.83	+09 51	05.6		691
1992 XC		1992 12	02.40685	04 27	45.80	+09 50	09.5	19.9 V	691
1992 XC		1992 12	02.41436	04 27	45.45	+09 50	07.4		691
1992 XC		1992 12	02.42220	04 27	45.05	+09 50	03.7		691
1992 YB3	*	1992 12	24.10307	03 44	05.93	+14 00	06.5	20.1 V	691
1992 YB3		1992 12	24.12915	03 44	05.83	+14 00	22.6	20.8 V	691
1992 YB3		1992 12	24.15587	03 44	05.74	+14 00	39.5	20.9 V	691
1992 YB3		1992 12	26.21277	03 44	13.86	+14 22	19.1	20.1 V	691
1992 YB3		1992 12	26.23841	03 44	13.87	+14 22	35.4	21.0 V	691
1992 YB3		1993 01	01.16870	03 45	39.33	+15 26	03.5	21.0 V	691
1992 YB3		1993 01	01.17645	03 45	39.51	+15 26	08.6	20.6 V	691
1992 YB3		1993 01	01.18491	03 45	39.63	+15 26	13.8	21.0 V	691
1992 YC3	*	1992 12	26.43872	08 51	18.64	+14 05	11.6	15.7 V	691
1992 YC3		1992 12	26.46486	08 51	17.02	+14 04	43.4	15.6 V	691
1992 YC3		1992 12	26.49109	08 51	15.42	+14 04	14.7	15.6 V	691
1992 YC3		1993 01	01.36204	08 44	48.31	+12 18	55.3	15.2 V	691
1992 YC3		1993 01	01.37000	08 44	47.71	+12 18	46.9	15.2 V	691
1992 YC3		1993 01	01.38240	08 44	46.73	+12 18	33.7	15.2 V	691
1992 YD3	*	1992 12	27.15257	03 33	06.91	+15 13	39.6	20.5 V	691
1992 YD3		1992 12	27.17909	03 33	21.81	+14 49	51.4		691
1992 YD3		1992 12	27.21010	03 33	38.99	+14 22	06.1		691
1992 YD3		1992 12	27.21642	03 33	42.51	+14 16	21.2		691
1992 YD3		1992 12	27.22332	03 33	46.22	+14 10	20.7		691
1992 YD3		1992 12	27.24803	03 33	59.91	+13 48	10.9		691
1992 YD3		1992 12	27.26267	03 34	07.98	+13 35	05.8		691
1992 YD3		1992 12	27.26940	03 34	11.63	+13 29	10.6		691
1992 YD3		1992 12	27.27960	03 34	17.37	+13 20	08.2		691
1992 YD3		1992 12	27.29291	03 34	24.78	+13 08	15.6		691
1992 YD3		1992 12	27.30242	03 34	30.13	+12 59	53.0		691
1992 YD3		1992 12	27.30854	03 34	33.53	+12 54	29.1		691
1992 YD3		1992 12	27.31463	03 34	37.02	+12 49	02.4		691
1992 YD3		1992 12	27.32527	03 34	43.06	+12 39	38.2		691
1992 YD3		1992 12	27.33151	03 34	46.93	+12 34	04.3		691
1992 YD3		1992 12	27.33759	03 34	50.10	+12 28	45.6		691
1992 YD3		1992 12	27.34717	03 34	55.50	+12 20	22.5		691
1992 YD3		1992 12	27.35896	03 35	02.47	+12 09	53.7		691

1992 YH3	*	1992 12 24.41697	08 27 01.83	+16 56 20.6	21.1 V	691
1992 YH3		1992 12 24.44308	08 27 00.67	+16 56 20.2		691
1992 YH3		1992 12 24.47005	08 26 59.50	+16 56 19.8		691
1992 YH3		1992 12 25.42035	08 26 16.21	+16 56 17.0		691
1992 YH3		1992 12 25.44279	08 26 15.01	+16 56 18.2		691
1992 YH3		1992 12 25.46569	08 26 14.01	+16 56 17.6	21.1 V	691
1992 YJ3	*	1992 12 24.41901	08 29 57.89	+16 51 39.1	21.2 V	691
1992 YJ3		1992 12 24.44512	08 29 56.97	+16 51 38.3		691
1992 YJ3		1992 12 24.47209	08 29 56.00	+16 51 35.8		691
1992 YJ3		1992 12 25.42250	08 29 22.23	+16 50 34.6		691
1992 YJ3		1992 12 25.44494	08 29 21.41	+16 50 33.0		691
1992 YJ3		1992 12 25.46784	08 29 20.52	+16 50 31.5	20.9 V	691
1992 YK3	*	1992 12 24.41957	08 30 46.88	+17 02 59.0	20.6 V	691
1992 YK3		1992 12 24.44568	08 30 45.88	+17 02 51.6		691
1992 YK3		1992 12 24.47265	08 30 44.75	+17 02 43.8		691
1992 YK3		1992 12 25.42304	08 30 09.33	+16 58 20.9	20.5 V	691
1992 YK3		1992 12 25.44548	08 30 08.36	+16 58 15.1		691
1992 YK3		1992 12 25.46838	08 30 07.47	+16 58 07.5		691
1992 YL3	*	1992 12 24.42011	08 31 33.91	+16 50 25.3		691
1992 YL3		1992 12 24.44622	08 31 32.93	+16 50 28.9	20.3 V	691
1992 YL3		1992 12 24.47319	08 31 31.86	+16 50 32.7		691
1992 YL3		1992 12 25.42359	08 30 57.01	+16 52 43.0	20.3 V	691
1992 YL3		1992 12 25.44603	08 30 56.12	+16 52 46.4		691
1992 YL3		1992 12 25.46893	08 30 55.20	+16 52 49.2		691
1992 YM3	*	1992 12 24.42178	08 33 58.09	+16 45 17.1	19.2 V	691
1992 YM3		1992 12 24.44789	08 33 57.07	+16 45 13.9		691
1992 YM3		1992 12 24.47486	08 33 55.93	+16 45 10.5		691
1992 YM3		1992 12 25.42523	08 33 19.34	+16 43 11.7	19.5 V	691
1992 YM3		1992 12 25.44767	08 33 18.43	+16 43 08.8		691
1992 YM3		1992 12 25.47058	08 33 17.47	+16 43 05.9		691
1992 YN3	*	1992 12 24.42231	08 34 43.79	+16 51 07.3		691
1992 YN3		1992 12 24.44842	08 34 42.70	+16 51 06.2	20.0 V	691
1992 YN3		1992 12 24.47538	08 34 41.56	+16 51 04.4		691
1992 YN3		1992 12 25.42574	08 34 03.30	+16 50 14.5		691
1992 YN3		1992 12 25.44818	08 34 02.34	+16 50 13.2		691
1992 YN3		1992 12 25.47108	08 34 01.38	+16 50 12.1	20.2 V	691
1992 YO3	*	1992 12 24.42238	08 34 50.10	+16 55 01.1		691
1992 YO3		1992 12 24.44849	08 34 49.47	+16 55 07.0	20.1 V	691
1992 YO3		1992 12 24.47546	08 34 48.64	+16 55 13.5		691
1992 YO3		1992 12 25.42596	08 34 22.61	+16 59 00.9	20.9 V	691
1992 YO3		1992 12 25.44841	08 34 21.96	+16 59 06.2		691
1992 YO3		1992 12 25.47131	08 34 21.24	+16 59 11.5		691
1992 YP3	*	1992 12 24.42479	08 38 18.43	+16 51 02.8		691
1992 YP3		1992 12 24.45090	08 38 17.56	+16 51 06.6	19.1 V	691
1992 YP3		1992 12 24.47787	08 38 16.67	+16 51 09.9		691
1992 YP3		1992 12 25.42832	08 37 46.46	+16 53 26.3		691
1992 YP3		1992 12 25.45076	08 37 45.71	+16 53 29.3		691
1992 YP3		1992 12 25.47366	08 37 44.92	+16 53 32.6	19.2 V	691
1992 YQ3	*	1992 12 24.42628	08 40 28.04	+16 51 08.6	18.0 V	691
1992 YQ3		1992 12 24.45239	08 40 27.22	+16 51 12.5		691
1992 YQ3		1992 12 24.47936	08 40 26.36	+16 51 16.5		691
1992 YQ3		1992 12 25.42983	08 39 57.69	+16 53 41.4	18.1 V	691
1992 YQ3		1992 12 25.45228	08 39 56.96	+16 53 44.7		691
1992 YQ3		1992 12 25.47518	08 39 56.21	+16 53 48.3		691
1992 YR3	*	1992 12 24.42792	08 42 50.18	+16 52 14.5		691
1992 YR3		1992 12 24.45403	08 42 49.39	+16 52 17.1	20.0 V	691
1992 YR3		1992 12 24.48100	08 42 48.55	+16 52 19.8		691
1992 YR3		1992 12 25.43148	08 42 20.02	+16 53 58.0	19.8 V	691
1992 YR3		1992 12 25.45392	08 42 19.37	+16 54 00.2		691

1992 YR3		1992 12 25.47682	08 42 18.60	+16 54 02.4		691
1992 YS3	*	1992 12 24.42905	08 44 28.12	+16 51 34.7		691
1992 YS3		1992 12 24.45517	08 44 27.44	+16 51 30.8	18.9 V	691
1992 YS3		1992 12 24.48214	08 44 26.76	+16 51 27.5		691
1992 YS3		1992 12 25.43269	08 44 05.33	+16 49 33.6	19.1 V	691
1992 YS3		1992 12 25.45514	08 44 04.72	+16 49 31.1		691
1992 YS3		1992 12 25.47804	08 44 04.11	+16 49 28.3		691
1992 YT3	*	1992 12 24.43178	08 48 24.09	+16 54 21.8	18.5 V	691
1992 YT3		1992 12 24.45789	08 48 23.37	+16 54 29.0		691
1992 YT3		1992 12 24.48486	08 48 22.67	+16 54 36.6		691
1992 YT3		1992 12 25.43539	08 47 58.86	+16 59 08.2	18.6 V	691
1992 YT3		1992 12 25.45783	08 47 58.22	+16 59 14.7		691
1992 YT3		1992 12 25.48074	08 47 57.54	+16 59 20.9		691
1992 YU3	*	1992 12 24.43306	08 50 14.83	+16 54 58.2	20.4 V	691
1992 YU3		1992 12 24.45917	08 50 14.06	+16 55 00.3		691
1992 YU3		1992 12 24.48614	08 50 13.30	+16 55 02.4		691
1992 YU3		1992 12 25.43664	08 49 46.85	+16 56 27.3		691
1992 YU3		1992 12 25.45908	08 49 46.18	+16 56 30.1	20.8 V	691
1992 YU3		1992 12 25.48198	08 49 45.47	+16 56 31.2		691
1992 YV3	*	1992 12 24.43327	08 50 32.97	+16 50 53.8		691
1992 YV3		1992 12 24.45938	08 50 32.17	+16 50 52.5	18.5 V	691
1992 YV3		1992 12 24.48635	08 50 31.37	+16 50 51.7		691
1992 YV3		1992 12 25.43683	08 50 03.54	+16 50 19.5	18.6 V	691
1992 YV3		1992 12 25.45927	08 50 02.83	+16 50 19.1		691
1992 YV3		1992 12 25.48217	08 50 02.11	+16 50 17.9		691
2093 P-L		1992 11 18.12498	02 35 01.77	+12 30 01.5	17.5 V	691
2093 P-L		1992 11 18.15050	02 35 00.66	+12 29 53.0		691
2093 P-L		1992 11 18.17891	02 34 59.47	+12 29 43.8		691
2550 P-L		1992 11 28.39775	04 44 47.96	+23 04 57.2	18.9 V	691
2550 P-L		1992 11 28.42646	04 44 45.90	+23 04 54.8		691
2550 P-L		1992 11 28.45526	04 44 43.87	+23 04 52.0		691
4321 T-1		1991 10 14.47864	09 10 13.56	+18 12 06.6	19.6 V	691
4321 T-1		1991 10 14.49389	09 10 15.11	+18 12 00.0		691
4321 T-1		1991 10 14.50890	09 10 16.62	+18 11 54.8		691
1167 T-2		1991 11 07.27333	02 47 22.82	+16 45 11.4	19.2 V	691
1167 T-2		1991 11 07.29432	02 47 21.62	+16 45 04.9		691
1167 T-2		1991 11 07.31534	02 47 20.44	+16 44 59.6		691
2108 T-2		1991 11 05.40899	02 57 22.66	+14 34 48.2	18.2 V	691
2108 T-2		1991 11 05.42957	02 57 21.29	+14 34 41.1		691
2108 T-2		1991 11 05.45030	02 57 20.01	+14 34 33.3		691
3297 T-2		1992 11 27.09555	02 46 15.55	+17 25 39.8	18.4 V	691
3297 T-2		1992 11 27.11827	02 46 14.30	+17 25 35.6		691
3297 T-2		1992 11 27.14291	02 46 12.94	+17 25 33.2		691
5148 T-2		1991 12 27.46388	08 12 12.26	+23 18 27.8	19.0 V	691
5148 T-2		1991 12 27.48628	08 12 10.90	+23 18 29.1		691
5148 T-2		1991 12 27.50870	08 12 09.51	+23 18 30.4		691
5490 T-2		1992 11 24.17518	03 56 25.78	+20 48 41.6		691
5490 T-2		1992 11 24.20122	03 56 24.06	+20 48 31.3	18.0 V	691
5490 T-2		1992 11 24.22413	03 56 22.55	+20 48 22.5		691
5490 T-2		1992 11 24.27926	03 56 18.91	+20 48 02.2		691
5490 T-2		1992 11 24.30231	03 56 17.43	+20 47 53.8	18.0 V	691
5490 T-2		1992 11 24.32531	03 56 15.93	+20 47 44.5		691
(438)		1992 11 24.15789	03 31 08.03	+20 50 13.6	13.6 V	691
(438)		1992 11 24.18393	03 31 06.21	+20 50 12.2		691
(438)		1992 11 24.20685	03 31 04.70	+20 50 11.0		691
(666)		1992 11 29.29533	04 24 24.96	+13 55 21.7	12.7 V	691
(666)		1992 11 29.32273	04 24 23.37	+13 55 11.0		691
(666)		1992 11 29.35028	04 24 21.77	+13 55 00.3		691
(694)		1992 11 29.28768	04 13 22.97	+13 57 16.1	12.0 V	691

(694)	1992 11	29.31509	04 13	21.41	+13	56	59.1		691
(694)	1992 11	29.34263	04 13	19.54	+13	56	44.0		691
(741)	1992 12	24.11047	03 54	47.30	+13	55	53.9		691
(741)	1992 12	24.13655	03 54	46.27	+13	55	57.2	14.1 V	691
(741)	1992 12	24.16325	03 54	45.22	+13	56	00.6		691
(807)	1992 12	26.43306	08 43	08.58	+13	54	20.1		691
(807)	1992 12	26.45921	08 43	07.81	+13	54	27.2	15.0 V	691
(807)	1992 12	26.48545	08 43	07.04	+13	54	34.3		691
(1128)	1992 11	28.30710	04 44	25.80	+22	36	09.1		691
(1128)	1992 11	28.33600	04 44	24.25	+22	36	07.7	14.5 V	691
(1128)	1992 11	28.36741	04 44	22.37	+22	36	04.9		691
(1209)	1992 11	26.44623	04 59	05.19	+19	49	04.8		691
(1209)	1992 11	26.47074	04 59	03.97	+19	49	04.7	16.0 V	691
(1209)	1992 11	26.49350	04 59	02.79	+19	49	04.2		691
(1277)	1992 11	25.24841	03 54	00.53	+21	24	46.3		691
(1277)	1992 11	25.27303	03 53	59.00	+21	24	37.5		691
(1277)	1992 11	25.29909	03 53	57.55	+21	24	31.3	14.8 V	691
(1401)	1992 12	24.51552	08 30	49.43	+15	46	24.9		691
(1401)	1992 12	24.52892	08 30	48.82	+15	46	24.0	15.5 V	691
(1401)	1992 12	24.54276	08 30	48.09	+15	46	22.9		691
(1602)	1992 11	27.17611	03 55	46.70	+18	41	57.0		691
(1602)	1992 11	27.19759	03 55	45.16	+18	41	56.0	14.6 V	691
(1602)	1992 11	27.21694	03 55	43.78	+18	41	54.9		691
(1651)	1992 11	17.33613	03 26	38.13	+12	00	59.7	14.5 V	691
(1651)	1992 11	17.36166	03 26	36.42	+12	00	50.7		691
(1651)	1992 11	17.38731	03 26	34.73	+12	00	41.4		691
(1689)	1992 12	24.42012	08 31	34.13	+16	48	36.4	15.1 V	691
(1689)	1992 12	24.44623	08 31	33.05	+16	48	44.3		691
(1689)	1992 12	24.47319	08 31	31.90	+16	48	52.1		691
(1689)	1992 12	25.42356	08 30	54.51	+16	53	35.8	15.3 V	691
(1689)	1992 12	25.44600	08 30	53.56	+16	53	42.5		691
(1689)	1992 12	25.46890	08 30	52.59	+16	53	49.2		691
(1760)	1992 11	26.09893	02 48	50.44	+16	49	11.3		691
(1760)	1992 11	26.12315	02 48	49.42	+16	49	04.3	16.1 V	691
(1760)	1992 11	26.14678	02 48	48.40	+16	48	57.7		691
(1945)	1992 11	21.46102	04 59	22.75	+16	03	52.3	16.3 V	691
(1945)	1992 11	21.47624	04 59	21.83	+16	03	50.6		691
(1945)	1992 11	21.49153	04 59	20.95	+16	03	48.9		691
(1955)	1992 11	16.24195	01 12	06.25	+08	48	47.8		691
(1955)	1992 11	16.25744	01 12	05.82	+08	48	45.0	16.6 V	691
(1955)	1992 11	16.27253	01 12	05.41	+08	48	42.1		691
(2316)	1992 11	18.12776	02 39	03.00	+12	29	00.2		691
(2316)	1992 11	18.15328	02 39	01.60	+12	28	54.2	16.7 V	691
(2316)	1992 11	18.18168	02 39	00.08	+12	28	47.9		691
(2369)	1992 11	23.33537	03 29	34.03	+19	35	56.9		691
(2369)	1992 11	23.35861	03 29	32.69	+19	35	52.8	15.7 V	691
(2369)	1992 11	23.38160	03 29	31.39	+19	35	49.2		691
(2519)	1992 11	18.21130	02 36	17.52	+12	59	03.3	16.2 V	691
(2519)	1992 11	18.23697	02 36	16.34	+12	58	59.2		691
(2519)	1992 11	18.26260	02 36	15.16	+12	58	55.0		691
(2751)	1992 11	16.23805	01 06	28.90	+08	32	13.7	16.1 V	691
(2751)	1992 11	16.25355	01 06	28.48	+08	32	09.9		691
(2751)	1992 11	16.26864	01 06	28.20	+08	32	06.6		691
(2945)	1992 11	26.23254	03 46	47.37	+17	23	27.9	15.8 V	691
(2945)	1992 11	26.26670	03 46	45.30	+17	23	24.0		691
(2945)	1992 11	26.30190	03 46	43.25	+17	23	20.3		691
(3374)	1992 11	18.12222	02 31	02.77	+12	27	56.8		691
(3374)	1992 11	18.14774	02 31	01.55	+12	27	53.0	17.3 V	691
(3374)	1992 11	18.17614	02 31	00.20	+12	27	48.8		691

(3386)	1992 11	19.17730	03 05	02.18	+14 12	24.3		691
(3386)	1992 11	19.19601	03 05	01.19	+14 12	20.4	16.5 V	691
(3386)	1992 11	19.21465	03 05	00.21	+14 12	16.5		691
(3386)	1992 11	20.34376	03 04	03.03	+14 08	11.9	16.4 V	691
(3386)	1992 11	20.36079	03 04	02.16	+14 08	08.2		691
(3386)	1992 11	20.37778	03 04	01.28	+14 08	04.5		691
(3610)	1992 11	19.17970	03 08	47.46	+14 06	38.3	16.1 V	691
(3610)	1992 11	19.19840	03 08	46.19	+14 06	34.2		691
(3610)	1992 11	19.21703	03 08	44.93	+14 06	30.6		691
(3614)	1992 12	17.29011	08 02	37.32	+19 56	46.1		691
(3614)	1992 12	17.32578	08 02	35.88	+19 56	41.6	15.8 V	691
(3614)	1992 12	17.34897	08 02	34.93	+19 56	38.6		691
(3634)	1993 01	01.33163	08 21	58.02	+24 49	15.0	17.0 V	691
(3634)	1993 01	01.34257	08 21	57.34	+24 49	17.0		691
(3634)	1993 01	01.35286	08 21	56.72	+24 49	19.3		691
(3765)	1992 11	25.35270	04 16	27.23	+21 27	15.7	16.6 V	691
(3765)	1992 11	25.37760	04 16	25.77	+21 27	11.7		691
(3765)	1992 11	25.40430	04 16	24.22	+21 27	07.2		691
(3963)	1992 11	21.37607	04 05	40.52	+15 51	10.5	15.0 V	691
(3963)	1992 11	21.40206	04 05	38.87	+15 51	08.6		691
(3963)	1992 11	21.42821	04 05	37.20	+15 51	06.4		691
(4018)	1992 11	21.09768	01 59	18.53	+15 11	03.1		691
(4018)	1992 11	21.11661	01 59	17.89	+15 10	56.9	16.8 V	691
(4018)	1992 11	21.13563	01 59	17.26	+15 10	50.9		691
(4131)	1992 12	17.28159	07 50	18.74	+20 04	15.8	16.9 V	691
(4131)	1992 12	17.31725	07 50	17.22	+20 04	12.7		691
(4131)	1992 12	17.34044	07 50	16.22	+20 04	10.6		691
(4198)	1992 11	20.33894	02 57	04.93	+13 48	10.4		691
(4198)	1992 11	20.35597	02 57	04.12	+13 48	07.6	17.7 V	691
(4198)	1992 11	20.37295	02 57	03.30	+13 48	04.6		691
(4201)	1992 11	26.43405	04 41	30.02	+19 48	22.7		691
(4201)	1992 11	26.45856	04 41	28.81	+19 48	18.5	17.4 V	691
(4201)	1992 11	26.48132	04 41	27.68	+19 48	14.6		691
(4428)	1992 11	26.18015	03 54	07.94	+17 07	51.4	16.9 V	691
(4428)	1992 11	26.20362	03 54	06.36	+17 07	49.3		691
(4428)	1992 11	26.21897	03 54	05.30	+17 07	48.2		691
(4524)	1992 12	01.20039	04 32	22.80	+09 56	38.4		691
(4524)	1992 12	01.22991	04 32	20.84	+09 56	33.1	16.1 V	691
(4524)	1992 12	01.26576	04 32	18.55	+09 56	26.7		691
(4535)	1992 11	19.46161	05 09	49.65	+12 49	45.1		691
(4535)	1992 11	19.48761	05 09	48.40	+12 49	42.1	17.6 V	691
(4535)	1992 11	19.51407	05 09	47.15	+12 49	40.0		691
(4571)	1992 12	24.42204	08 34	20.81	+17 10	05.8		691
(4571)	1992 12	24.44815	08 34	19.80	+17 10	10.5	18.0 V	691
(4571)	1992 12	24.47512	08 34	18.83	+17 10	13.5		691
(4642)	1992 12	17.28762	07 59	01.34	+19 45	23.8		691
(4642)	1992 12	17.32329	07 59	00.09	+19 45	27.4	18.3 V	691
(4642)	1992 12	17.34648	07 58	59.27	+19 45	29.7		691
(4883)	1992 11	16.29707	03 07	55.70	+11 11	08.7	17.5 V	691
(4883)	1992 11	16.31931	03 07	54.47	+11 11	02.6		691
(4883)	1992 11	16.34148	03 07	53.26	+11 10	56.4		691
(4926)	1992 11	25.16537	03 45	49.18	+21 53	31.1	17.0 V	691
(4926)	1992 11	25.19060	03 45	47.74	+21 53	26.6		691
(4926)	1992 11	25.21499	03 45	46.35	+21 53	22.1		691
(4940)	1992 11	26.24018	03 57	49.95	+17 20	58.2		691
(4940)	1992 11	26.27435	03 57	48.08	+17 20	54.1		691
(4940)	1992 11	26.30956	03 57	46.16	+17 20	50.1	15.6 V	691
(4960)	1992 11	27.16859	03 44	55.42	+18 32	02.5		691
(4960)	1992 11	27.19007	03 44	54.28	+18 31	59.1	17.0 V	691

(4960)	1992 11 27.20943	03 44 53.23	+18 31 56.7			691
(5009)	1992 11 23.33467	03 28 33.40	+19 28 11.5	16.9	V	691
(5009)	1992 11 23.35790	03 28 31.80	+19 28 05.8			691
(5009)	1992 11 23.38089	03 28 30.23	+19 28 00.9			691
(5145)	1993 01 01.39285	09 34 31.45	+22 28 44.7	16.9	V	691
(5145)	1993 01 01.42872	09 34 31.04	+22 28 50.7	16.9	V	691

760 Goethe Link

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

Observers W. E. Crawley, C. L. Perry, K. L. Yu

Measurer B. A. Skiff

0.25-m refractor

1932 CY	1954 03 07.23818	09 32 20.03	+15 22 59.2			760
1981 EE1	1954 03 07.23818	09 32 41.84	+15 13 02.6			760
1984 SX5	1954 03 07.23818	09 34 27.34	+12 08 10.7			760
1984 SX5	1954 03 07.28681	09 34 25.35	+12 08 34.8		V	760
1990 QP2	1954 03 07.23818	09 29 22.81	+16 17 56.1			760
1990 QP2	1954 03 07.28681	09 29 21.22	+16 18 04.6		V	760
1991 PW12	1954 03 07.23818	09 42 08.63	+14 26 52.4			760
1991 PW12	1954 03 07.28681	09 42 06.70	+14 27 01.1		I	760
1992 SP	1955 09 13.21432	21 07 49.68	-15 37 50.4		R	760
1992 SP	1961 05 11.28052	15 09 24.87	-27 35 43.1		f	760
1992 SP	1961 05 11.33192	15 09 21.41	-27 35 25.8		V	760
(24)	1955 09 13.17890	21 20 48.19	-16 32 15.8	13.4		760
(24)	1955 09 13.21432	21 20 47.05	-16 32 19.6			760
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(172)	1954 03 07.23818	09 26 54.26	+16 04 00.7	13.4		760
(172)	1954 03 07.28681	09 26 51.85	+16 04 00.9			760
(209)	1961 05 11.28052	15 27 10.23	-27 42 54.0	13.0	G	760
(209)	1961 05 11.33192	15 27 07.48	-27 42 47.0		D	760
(405)	1961 05 11.28052	15 16 08.97	-28 20 08.3		G	760
(405)	1961 05 11.33192	15 16 06.33	-28 19 32.8		G	760
(516)	1955 09 13.17890	21 11 54.85	-16 56 06.5	13.0		760
(516)	1955 09 13.21432	21 11 53.62	-16 56 00.5			760
(633)	1955 09 13.17890	21 21 48.62	-15 40 10.5	15.7		760
(633)	1955 09 13.21432	21 21 47.66	-15 40 25.9			760
(677)	1961 05 11.28052	15 05 09.59	-26 44 55.7	14.7	G	760
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(962)	1955 09 13.21432	21 02 58.96	-16 50 06.3	16.6		760
(1092)	1954 03 07.23818	09 38 33.16	+10 57 21.5	16.4		760
(1092)	1954 03 07.28681	09 38 31.06	+10 57 30.1			760
(1162)	1954 03 07.23818	09 38 23.37	+16 36 21.7	16.2		760
(1162)	1954 03 07.28681	09 38 21.87	+16 36 27.5			760
(1282)	1955 09 13.17890	21 12 17.03	-15 37 12.5			760
(1282)	1955 09 13.21432	21 12 15.67	-15 37 07.8		P	760
(1433)	1955 09 13.17890	21 02 23.67	-16 08 14.9			760
(1442)	1955 09 13.17890	21 09 58.90	-14 27 24.2			760
(1442)	1955 09 13.21432	21 09 57.90	-14 27 28.4			760
(1478)	1955 09 13.17890	21 11 01.51	-14 19 44.9			760
(1478)	1955 09 13.21432	21 11 00.06	-14 19 45.3			760
(1808)	1955 09 13.17890	20 59 20.50	-19 28 47.8			760
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(1956)	1954 03 07.23818	09 24 17.18	+14 59 14.7			760
(1956)	1954 03 07.28681	09 24 15.60	+14 59 23.9		V	760
(1977)	1954 03 07.23818	09 30 17.48	+15 43 14.5			760
(1977)	1954 03 07.28681	09 30 15.47	+15 43 16.3			760
(2011)	1955 09 13.17890	21 20 34.54	-16 51 06.3			760

(2085)	1955 09 13.17890	21 21 25.23	-18 31 48.6	760
(2085)	1955 09 13.21432	21 21 23.85	-18 31 52.1	760
(2108)	1955 09 13.17890	21 00 46.91	-17 22 29.2	P 760
(2108)	1955 09 13.21432	21 00 45.84	-17 22 24.1	P 760
(2411)	1954 03 07.23818	09 46 00.78	+14 34 32.7	760
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(2719)	1955 09 13.17890	21 00 32.64	-17 25 04.0	P 760
(2719)	1955 09 13.21432	21 00 31.25	-17 25 09.2	760
(3035)	1955 09 13.17890	21 15 19.90	-13 47 15.0	P 760
(3035)	1955 09 13.21432	21 15 18.70	-13 47 24.8	760
(3038)	1955 09 13.21432	21 20 53.82	-18 32 46.2	760
(3137)	1954 03 07.23818	09 28 03.23	+11 55 47.9	760
(3137)	1954 03 07.28681	09 28 01.18	+11 55 56.0	760
(3303)	1954 03 07.23818	09 44 26.86	+17 45 59.4	760
(3303)	1954 03 07.28681	09 44 24.87	+17 46 03.7	V 760
(3601)	1955 09 13.17890	21 01 54.39	-20 19 22.0	P 760
(3605)	1961 05 11.28052	15 25 38.64	-24 14 06.2	P 760
(3727)	1954 03 07.23818	09 26 10.20	+12 43 01.3	760
(3727)	1954 03 07.28681	09 26 08.67	+12 43 14.1	U 760
(3762)	1954 03 07.23818	09 44 47.47	+13 04 45.8	760
(3762)	1954 03 07.28681	09 44 45.16	+13 04 57.3	760
(4627)	1955 09 13.17890	21 14 45.33	-19 21 53.9	P 760
(4627)	1955 09 13.21432	21 14 44.14	-19 22 00.5	P 760
(4787)	1954 03 07.28681	09 34 10.32	+17 19 25.7	I 760
(5033)	1955 09 13.17890	21 10 50.65	-16 28 30.4	P 760
(5033)	1955 09 13.21432	21 10 49.65	-16 28 35.4	P 760
(5229)	1954 03 07.23818	09 46 07.90	+11 00 53.5	V 760

776 Foggy Bottom Observatory

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

0.40-m f/13 Cassegrain reflector + CCD

1992 JB 1992 05 23.28420 15 30 37.70 +11 15 29.9 776

786 U.S. Naval Observatory

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

0.61-m reflector + CCD

GSC

(5145)	1992 03 12.00034	07 56 02.01	+22 06 56.1	786
(5145)	1992 03 12.00344	07 56 02.04	+22 06 56.2	786
(5145)	1992 03 12.01892	07 56 01.92	+22 06 57.2	786
(5145)	1992 03 12.02203	07 56 01.90	+22 06 58.1	786
(5145)	1992 03 12.03462	07 56 01.84	+22 06 59.1	786
(5145)	1992 03 17.14090	07 55 40.77	+22 13 51.8	786

801 Oak Ridge

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

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

1937 NN	1992 12 25.42414	12 15 23.05	-06 17 52.1	801
1937 NN	1992 12 25.43530	12 15 23.86	-06 18 00.3	801
1942 RJ	1992 12 24.23421	06 58 38.54	+23 53 47.4	801
1942 RJ	1992 12 24.24409	06 58 37.85	+23 53 47.9	801
1949 QL	1992 09 25.04424	20 31 26.21	-19 30 50.1	801
1949 QL	1992 09 25.06373	20 31 26.72	-19 30 41.4	801
1949 QL	1992 10 02.02928	20 35 39.06	-18 40 21.7	801
1949 QL	1992 10 02.04499	20 35 39.61	-18 40 14.5	801
1962 SR	1992 12 21.26235	06 52 07.21	+24 49 24.2	801

1962 SR	1992 12 21.27777	06 52 06.25	+24 49 22.8	801
1962 SR	1992 12 25.25164	06 47 48.41	+24 42 55.0	801
1962 SR	1992 12 25.26956	06 47 47.19	+24 42 53.1	801
1964 TA2	1992 12 24.26635	07 34 48.05	+30 00 02.1	801
1964 TA2	1992 12 24.28274	07 34 46.89	+30 00 04.4	801
1964 TA2	1992 12 27.27973	07 31 15.88	+30 05 58.7	801
1964 TA2	1992 12 27.29457	07 31 14.73	+30 06 00.5	801
1964 TU2	1992 12 25.18316	05 17 50.92	+32 12 59.2	801
1964 TU2	1992 12 25.19870	05 17 49.84	+32 12 55.5	801
1964 TU2	1992 12 27.19280	05 15 41.51	+32 04 48.5	801
1965 UA1	1992 12 21.23066	06 14 23.98	+24 49 46.0	801
1965 UA1	1992 12 21.24271	06 14 23.14	+24 49 45.5	801
1965 UA1	1992 12 23.20737	06 12 12.76	+24 48 15.9	801
1965 UA1	1992 12 23.21877	06 12 11.95	+24 48 15.4	801
1967 DA	1992 12 25.32414	08 32 53.57	+15 24 57.5	801
1967 DA	1992 12 25.36001	08 32 52.77	+15 25 02.4	801
1972 RY3	1992 12 22.14940	04 55 18.84	+31 56 12.6	801
1972 RY3	1992 12 22.16860	04 55 17.83	+31 56 12.1	801
1972 RY3	1992 12 28.15867	04 50 30.53	+31 50 58.9	801
1975 LR	1992 12 23.05999	03 07 31.24	+12 35 16.2	801
1975 LR	1992 12 23.08506	03 07 30.67	+12 35 21.2	801
1975 LR	1992 12 28.02372	03 06 03.19	+12 52 46.7	801
1975 LR	1992 12 28.05237	03 06 02.76	+12 52 53.3	801
1975 SS	1992 12 26.34463	09 37 42.14	+00 20 50.2	801
1975 SS	1992 12 26.39432	09 37 41.58	+00 20 43.9	801
1975 TR2	1992 12 26.21201	05 45 51.71	+19 22 29.1	801
1975 TR2	1992 12 26.24573	05 45 49.95	+19 22 29.8	801
1975 TR2	1992 12 28.18523	05 44 10.96	+19 23 42.6	801
1975 TR2	1992 12 28.19962	05 44 10.21	+19 23 43.4	801
1977 EW5	1992 12 21.25622	06 48 11.26	+30 15 26.1	801
1977 EW5	1992 12 21.27586	06 48 10.13	+30 15 26.7	801
1977 EW5	1992 12 25.24047	06 44 24.25	+30 17 18.6	801
1977 EW5	1992 12 25.25793	06 44 23.21	+30 17 18.8	801
1978 RV5	1992 12 25.28931	08 01 13.41	+26 12 31.1	801
1978 RV5	1992 12 25.30132	08 01 12.68	+26 12 33.7	801
1978 RV5	1992 12 27.30591	07 59 13.14	+26 19 17.4	801
1978 RV5	1992 12 27.32281	07 59 12.05	+26 19 20.6	801
1978 SH1	1992 12 26.27229	06 23 29.61	+30 35 40.6	801
1978 SH1	1992 12 26.28582	06 23 28.50	+30 35 45.2	801
1978 SA7	1992 12 20.95747	00 39 39.57	+12 21 20.5	801
1978 SA7	1992 12 20.96950	00 39 40.22	+12 21 24.5	801
1978 SA7	1992 12 22.95968	00 41 41.52	+12 32 06.2	801
1978 SA7	1992 12 22.96990	00 41 42.14	+12 32 09.7	801
1978 TB2	1992 12 21.16581	04 53 48.03	+14 46 31.4	801
1978 TB2	1992 12 21.18441	04 53 46.94	+14 46 29.9	801
1978 TB2	1992 12 24.13913	04 51 10.76	+14 43 22.6	801
1978 TB2	1992 12 24.15079	04 51 10.15	+14 43 22.0	801
1978 VE5	1992 12 21.16360	04 56 21.76	+25 49 24.0	801
1978 VE5	1992 12 21.18176	04 56 20.66	+25 49 25.4	801
1978 VE5	1992 12 24.16080	04 53 31.11	+25 52 52.8	801
1978 VE5	1992 12 24.17032	04 53 30.57	+25 52 53.4	801
1978 VU7	1992 12 20.99183	01 39 41.73	+12 02 56.4	801
1978 VU7	1992 12 23.01147	01 40 19.58	+12 05 33.0	801
1978 VU7	1992 12 23.04003	01 40 20.12	+12 05 35.4	801
1979 FQ2	1992 12 27.14625	04 21 05.07	+26 19 27.5	801
1979 FQ2	1992 12 27.16541	04 21 04.20	+26 19 27.3	801
1979 FQ2	1992 12 28.07659	04 20 25.19	+26 19 30.1	801
1979 FQ2	1992 12 28.09412	04 20 24.42	+26 19 30.3	801
1979 HH3	1992 12 21.35461	09 50 12.32	+23 49 54.8	801

1979 HH3	1992 12 21.40012	09 50 12.57	+23 50 06.1	801
1979 HH3	1992 12 25.39262	09 50 25.81	+24 07 59.8	801
1979 HH3	1992 12 25.43193	09 50 25.70	+24 08 11.1	801
1979 QX3	1992 12 27.27637	07 13 12.68	+32 03 05.2	801
1979 QX3	1992 12 28.27218	07 12 17.34	+32 03 36.1	801
1979 QX3	1992 12 28.29028	07 12 16.40	+32 03 36.1	801
1980 TB12	1992 12 27.20670	05 57 07.79	+13 30 04.1	801
1980 TB12	1992 12 27.26492	05 57 04.86	+13 29 59.6	801
1981 ET	1992 12 25.13252	03 52 35.52	+33 54 58.2	801
1981 ET	1992 12 25.16034	03 52 34.36	+33 54 50.9	801
1981 ET	1992 12 28.05946	03 50 46.72	+33 42 25.1	801
1981 ET	1992 12 28.07951	03 50 46.00	+33 42 20.0	801
1981 EK4	1992 12 26.22552	05 00 33.84	+40 00 25.9	801
1981 EK4	1992 12 26.23949	05 00 32.98	+40 00 19.3	801
1981 EK4	1992 12 28.17831	04 58 43.84	+39 44 55.3	801
1981 EK4	1992 12 28.19326	04 58 43.02	+39 44 49.2	801
1981 EF5	1992 12 21.19762	05 37 53.17	+09 48 26.6	801
1981 EF5	1992 12 21.21218	05 37 52.32	+09 48 21.9	801
1981 EF5	1992 12 27.18692	05 32 34.56	+09 20 08.4	801
1981 EF5	1992 12 27.20159	05 32 33.78	+09 20 05.0	801
1981 ED19	1992 12 24.13111	04 32 32.15	+18 26 00.4	801
1981 ED19	1992 12 24.14149	04 32 31.64	+18 25 59.7	801
1981 ED19	1992 12 28.10207	04 29 37.17	+18 22 25.7	r 801
1981 ED19	1992 12 28.15196	04 29 35.02	+18 22 23.5	r 801
1981 QT	1992 12 21.20589	05 48 33.03	+24 36 26.9	801
1981 QT	1992 12 21.21964	05 48 32.03	+24 36 25.8	801
1981 QT	1992 12 23.19797	05 46 14.56	+24 33 54.3	801
1981 QT	1992 12 23.20941	05 46 13.74	+24 33 53.4	801
1981 QP3	1992 12 21.23278	06 19 37.89	+24 42 55.0	801
1981 QP3	1992 12 21.24676	06 19 36.99	+24 42 54.7	801
1981 QP3	1992 12 26.26140	06 14 45.42	+24 49 16.4	801
1981 QP3	1992 12 26.28074	06 14 44.21	+24 49 18.1	801
1981 RM3	1992 12 25.21682	06 35 19.16	+18 27 05.4	801
1981 RM3	1992 12 25.23154	06 35 18.25	+18 27 03.8	801
1981 RM3	1992 12 28.23634	06 32 28.71	+18 28 47.5	801
1981 RM3	1992 12 28.25189	06 32 27.81	+18 28 47.9	801
1981 RG5	1992 12 20.97793	01 25 46.66	+14 11 43.3	801
1981 RG5	1992 12 20.99911	01 25 47.36	+14 11 48.7	801
1981 RG5	1992 12 22.97421	01 26 57.92	+14 20 16.2	801
1981 RG5	1992 12 22.99877	01 26 58.79	+14 20 22.9	801
1981 SN1	1992 12 21.20045	05 41 43.22	+20 05 39.6	801
1981 SN1	1992 12 21.21425	05 41 42.41	+20 05 39.8	801
1981 SN1	1992 12 27.19883	05 36 08.13	+20 08 20.7	801
1981 SN1	1992 12 27.21321	05 36 07.35	+20 08 21.2	801
1981 SW7	1992 12 23.06191	03 11 11.52	+23 59 48.9	801
1981 SW7	1992 12 23.09025	03 11 11.05	+23 59 42.1	801
1981 TJ4	1992 12 24.19809	05 24 20.91	+36 48 09.9	801
1981 TJ4	1992 12 24.20938	05 24 20.21	+36 48 09.3	801
1981 TJ4	1992 12 25.19201	05 23 20.78	+36 47 46.0	801
1981 TJ4	1992 12 25.20574	05 23 19.95	+36 47 45.5	801
1982 BS1	1992 12 23.05039	02 37 08.71	+03 55 25.3	801
1982 BS1	1992 12 23.08038	02 37 08.83	+03 55 34.7	801
1982 BS1	1992 12 25.01008	02 37 21.51	+04 05 14.2	801
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1982 JR1	1992 12 25.14339	04 17 10.29	+19 02 45.4	801
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1982 JR1	1992 12 28.06995	04 15 12.69	+19 09 23.8	801
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1982 TD2	1992 12 24.98485	00 38 44.42	+07 32 01.8	801

1982 TD2	1992 12 24.99493	00 38 45.12	+07 32 05.3	801
1982 TD2	1992 12 26.99625	00 41 26.21	+07 44 06.7	801
1982 TD2	1992 12 27.00797	00 41 27.16	+07 44 11.5	801
1982 UP	1992 12 25.24887	06 46 13.57	+19 23 56.5	801
1982 UP	1992 12 25.26613	06 46 12.24	+19 23 55.9	801
1982 UP	1992 12 28.24635	06 42 37.48	+19 26 01.5	801
1982 YL1	1992 12 23.06391	03 13 10.30	+24 06 18.9	801
1982 YL1	1992 12 23.10361	03 13 09.66	+24 06 18.9	801
1982 YL1	1992 12 25.04190	03 12 47.07	+24 06 22.8	801
1982 YL1	1992 12 25.10212	03 12 46.36	+24 06 23.1	801
1983 AW	1992 12 25.29194	08 02 11.59	+12 58 37.0	801
1983 AW	1992 12 25.31293	08 02 10.74	+12 58 36.8	801
1983 HB1	1992 12 26.29909	08 33 01.98	+20 21 55.0	801
1983 HB1	1992 12 26.32135	08 33 01.28	+20 22 01.9	801
1983 NR	1992 12 27.08037	03 24 35.95	+38 59 52.2	801
1983 NR	1992 12 27.10935	03 24 35.13	+38 59 36.1	801
1983 NR	1992 12 28.02780	03 24 13.02	+38 51 11.6	801
1984 QQ	1992 12 21.22833	06 14 11.01	+10 34 53.1	801
1984 QQ	1992 12 21.24111	06 14 10.18	+10 34 52.5	801
1984 QQ	1992 12 27.21072	06 07 54.89	+10 33 03.1	801
1984 QQ	1992 12 27.26676	06 07 51.26	+10 33 03.8	801
1984 SA1	1992 12 22.11375	03 55 19.28	+31 02 56.6	801
1984 SA1	1992 12 22.13004	03 55 18.75	+31 02 53.9	801
1984 SA1	1992 12 25.13583	03 53 28.03	+30 50 27.9	801
1984 SA1	1992 12 25.16294	03 53 27.08	+30 50 21.1	801
1985 DD	1992 12 21.22593	06 06 36.43	+25 31 13.2	801
1985 DD	1992 12 21.23891	06 06 35.12	+25 31 29.9	801
1985 DD	1992 12 23.21638	06 03 19.08	+26 13 51.9	801
1985 FC2	1992 12 25.35764	09 21 06.28	+33 41 02.6	801
1985 FC2	1992 12 25.37525	09 21 05.99	+33 41 12.2	801
1985 TO	1992 12 21.11175	03 37 16.48	+25 14 23.8	801
1985 TO	1992 12 21.13486	03 37 15.54	+25 14 19.4	801
1985 TO	1992 12 25.06763	03 34 59.56	+25 02 17.7	801
1985 TO	1992 12 25.09450	03 34 58.73	+25 02 13.1	801
1986 EQ5	1992 12 27.95477	01 42 52.73	+18 29 45.6	801
1986 EQ5	1992 12 28.01949	01 42 53.21	+18 29 48.7	801
1986 JQ	1992 12 21.06670	02 17 17.85	+03 15 35.6	801
1986 JQ	1992 12 21.10674	02 17 18.36	+03 15 23.9	801
1986 JQ	1992 12 25.03615	02 18 31.76	+02 59 01.0	801
1986 RF13	1992 12 21.20277	05 42 44.68	+20 30 13.1	801
1986 RF13	1992 12 21.21605	05 42 43.94	+20 30 13.7	801
1986 RF13	1992 12 24.20476	05 39 58.59	+20 31 28.7	801
1986 RF13	1992 12 24.21463	05 39 58.04	+20 31 27.8	801
1986 SD2	1992 12 22.14160	04 38 59.63	+35 44 15.2	801
1986 SD2	1992 12 24.13345	04 37 16.53	+35 31 47.0	801
1986 SD2	1992 12 24.14372	04 37 16.00	+35 31 43.1	801
1986 WN7	1992 12 25.30899	08 09 13.40	+22 52 17.6	801
1986 WN7	1992 12 25.32810	08 09 12.56	+22 52 18.9	801
1986 WP8	1992 12 25.23830	06 44 13.80	+20 24 08.6	801
1986 WP8	1992 12 25.25499	06 44 12.89	+20 24 10.1	801
1986 WP8	1992 12 28.24207	06 41 33.08	+20 27 59.2	801
1986 WP8	1992 12 28.25744	06 41 32.22	+20 28 00.3	801
1987 EV	1992 12 23.05690	02 59 00.18	+22 37 11.4	801
1987 EV	1992 12 23.07785	02 58 59.70	+22 37 06.5	801
1987 EV	1992 12 27.99513	02 57 33.00	+22 18 39.6	801
1987 EV	1992 12 28.03161	02 57 32.46	+22 18 31.9	801
1987 MK	1992 12 22.07775	03 05 37.24	+37 13 40.0	801
1987 MK	1992 12 22.09266	03 05 36.91	+37 13 33.1	801
1987 QM	1992 12 21.01147	01 57 26.78	+38 38 20.2	801

1987 QM	1992 12 21.03940	01 57 27.22	+38 38 07.9	801
1987 QM	1992 12 23.02101	01 58 05.16	+38 23 29.9	801
1987 QM	1992 12 23.04368	01 58 05.57	+38 23 20.1	801
1987 RD1	1992 12 23.14361	04 20 46.42	+24 34 06.5	801
1987 RD1	1992 12 27.13723	04 18 10.91	+24 26 45.5	801
1987 RD1	1992 12 27.15986	04 18 10.06	+24 26 43.1	801
1987 UN	1992 12 25.38200	10 13 29.84	+31 19 41.6	801
1987 UN	1992 12 25.40957	10 13 29.68	+31 19 54.5	801
1987 VT	1992 12 22.14705	04 51 10.08	+34 19 15.4	801
1987 VT	1992 12 22.16321	04 51 09.02	+34 19 16.9	801
1987 VT	1992 12 24.15626	04 49 02.44	+34 21 58.6	801
1987 VT	1992 12 24.16578	04 49 01.82	+34 21 59.3	801
1987 VU	1992 12 25.31882	08 10 27.47	+29 55 44.2	801
1987 VU	1992 12 25.33737	08 10 26.54	+29 55 51.3	801
1988 AG	1992 12 25.41553	10 56 33.91	+11 16 50.0	801
1988 AG	1992 12 25.43861	10 56 34.46	+11 16 44.1	801
1988 BK4	1992 12 21.20749	05 49 43.34	-01 36 25.4	801
1988 BK4	1992 12 21.22154	05 49 42.61	-01 36 21.5	801
1988 BK5	1992 12 26.25512	06 11 11.06	+38 49 40.0	801
1988 BK5	1992 12 26.27519	06 11 09.67	+38 49 33.3	801
1988 BK5	1992 12 28.22448	06 08 59.49	+38 38 20.1	801
1988 JL	1992 12 21.43872	11 03 00.97	+33 10 02.5	801
1988 JL	1992 12 21.45990	11 03 02.09	+33 10 19.4	801
1988 KA	1992 12 24.27581	07 44 02.19	+23 21 04.0	801
1988 KA	1992 12 24.28890	07 44 01.34	+23 21 07.5	801
1988 KA	1992 12 28.29617	07 39 41.20	+23 38 20.3	F 801
1988 MB	1992 12 23.17913	05 12 43.96	+41 13 45.2	801
1988 MB	1992 12 25.17632	05 10 16.17	+40 28 38.8	801
1988 MB	1992 12 25.18932	05 10 15.20	+40 28 21.1	801
1988 PV	1992 12 21.23487	06 19 14.98	+16 41 05.5	801
1988 PV	1992 12 21.24432	06 19 14.31	+16 41 05.0	801
1988 PV	1992 12 26.26752	06 13 18.60	+16 36 44.1	801
1988 PV	1992 12 26.28294	06 13 17.43	+16 36 42.5	801
1988 RO	1992 12 26.33838	09 23 15.91	-02 43 23.6	801
1988 RO	1992 12 26.38507	09 23 15.15	-02 43 25.3	801
1988 RR	1992 12 26.26444	06 14 28.46	+25 58 26.5	801
1988 RR	1992 12 26.27810	06 14 27.45	+25 58 27.4	801
1988 RR	1992 12 28.22748	06 12 06.36	+25 59 19.7	801
1988 SP	1992 12 23.11200	03 44 52.19	+19 32 38.6	801
1988 SP	1992 12 23.14905	03 44 51.34	+19 32 39.5	801
1988 SP	1992 12 28.04959	03 43 46.18	+19 36 30.3	801
1988 SP	1992 12 28.09706	03 43 45.68	+19 36 33.6	801
1988 TL	1992 12 22.10266	03 53 05.70	+22 10 23.3	801
1988 TL	1992 12 22.12631	03 53 04.92	+22 10 19.6	801
1988 TL	1992 12 27.12545	03 50 56.55	+21 56 45.3	801
1988 TL	1992 12 27.16265	03 50 55.67	+21 56 39.9	801
1988 TC2	1992 12 25.22316	06 38 36.71	+23 20 44.1	801
1988 TC2	1992 12 25.23486	06 38 35.82	+23 20 44.3	801
1988 TC2	1992 12 28.23978	06 34 59.19	+23 21 13.1	801
1988 TC2	1992 12 28.25486	06 34 58.08	+23 21 13.4	801
1988 TA3	1992 12 21.29010	07 32 11.23	+12 04 27.5	801
1988 TA3	1992 12 21.31441	07 32 10.56	+12 04 29.0	801
1988 TA3	1992 12 24.25483	07 30 49.66	+12 07 24.2	801
1988 TA3	1992 12 24.28588	07 30 48.78	+12 07 26.6	801
1988 UA	1992 12 22.03325	02 17 22.43	+14 18 05.8	801
1988 UA	1992 12 22.07384	02 17 22.96	+14 18 06.8	801
1988 UA	1992 12 27.96950	02 19 19.82	+14 23 39.6	801
1988 UA	1992 12 28.00003	02 19 20.43	+14 23 42.5	801
1988 VO1	1992 12 21.20431	05 48 31.80	+17 15 31.0	801

1988 VO1	1992 12 21.21795	05 48 30.88	+17 15 29.6	801
1988 VO1	1992 12 27.20417	05 42 02.45	+17 06 05.7	801
1988 VO1	1992 12 27.25900	05 41 58.90	+17 06 00.9	801
1988 VE7	1992 12 24.13693	04 46 27.62	+11 33 16.6	801
1988 VE7	1992 12 24.14628	04 46 27.20	+11 33 18.9	801
1988 VE7	1992 12 28.10567	04 43 49.88	+11 50 24.7	801
1988 VE7	1992 12 28.15565	04 43 47.93	+11 50 38.7	801
1988 VM9	1992 12 21.12248	03 46 15.72	+29 32 43.4	801
1988 VM9	1992 12 21.14714	03 46 14.70	+29 32 41.4	801
1988 VM9	1992 12 23.12400	03 45 01.26	+29 30 19.3	801
1988 VM9	1992 12 23.14578	03 45 00.43	+29 30 17.9	801
1988 XO	1992 12 21.11759	03 45 26.74	+10 21 00.7	801
1988 XO	1992 12 21.13701	03 45 25.94	+10 21 09.5	801
1988 XO	1992 12 23.11906	03 44 11.94	+10 36 25.8	801
1988 XO	1992 12 23.13093	03 44 11.52	+10 36 31.4	801
1988 XZ	1992 12 25.32172	08 18 06.02	+14 32 54.0	801
1988 XZ	1992 12 25.34078	08 18 05.17	+14 32 53.0	801
1988 XZ	1992 12 27.31654	08 16 39.67	+14 31 19.6	801
1988 XZ	1992 12 27.33560	08 16 38.88	+14 31 19.1	801
1988 XE1	1992 12 27.27437	07 15 50.71	+15 58 53.3	801
1988 XE1	1992 12 27.29213	07 15 49.58	+15 58 51.6	801
1988 XE1	1992 12 28.27558	07 14 48.96	+15 57 14.8	801
1988 XE1	1992 12 28.29409	07 14 47.77	+15 57 12.6	801
1989 AN1	1992 12 23.03664	02 38 54.04	+16 08 17.1	801
1989 AN1	1992 12 23.10900	02 38 53.13	+16 08 15.4	801
1989 CU8	1992 12 28.06677	03 56 46.68	+22 56 22.5	801
1989 CU8	1992 12 28.08725	03 56 45.99	+22 56 21.0	801
1989 ES	1992 12 20.98900	01 28 43.46	-05 26 27.3	801
1989 ES	1992 12 21.02840	01 28 43.91	-05 26 19.7	801
1989 ES	1992 12 27.95079	01 30 39.70	-05 03 26.0	801
1989 ES	1992 12 27.98199	01 30 40.33	-05 03 19.5	801
1989 EY1	1992 12 21.11435	03 44 17.13	+20 24 36.8	801
1989 EY1	1992 12 21.14402	03 44 16.02	+20 24 35.0	801
1989 EY1	1992 12 27.08289	03 41 06.25	+20 18 53.8	801
1989 EY1	1992 12 27.11969	03 41 05.20	+20 18 52.1	801
1989 PA	1992 12 20.97295	00 38 09.02	+35 19 42.3	801
1989 PA	1992 12 20.98196	00 38 10.03	+35 19 34.4	801
1989 PA	1992 12 24.97837	00 46 01.53	+34 23 08.9	801
1989 PA	1992 12 24.98839	00 46 02.78	+34 23 00.6	801
1989 QO	1992 12 28.05571	03 49 13.20	-06 01 00.9	801
1989 QO	1992 12 28.06299	03 49 12.95	-06 00 48.4	801
1989 TO11	1992 12 21.28542	07 08 40.97	+05 57 30.7	801
1989 TO11	1992 12 21.31110	07 08 40.26	+05 57 30.3	801
1989 TO11	1992 12 24.23044	07 07 13.73	+05 57 04.3	I 801
1989 TO11	1992 12 24.25127	07 07 13.16	+05 57 04.4	I 801
1989 WL2	1992 12 21.36279	10 19 43.32	+02 18 44.4	801
1989 WL2	1992 12 21.38584	10 19 44.12	+02 18 54.0	801
1989 WL2	1992 12 25.38479	10 21 54.65	+02 49 36.9	801
1989 WL2	1992 12 25.40654	10 21 55.16	+02 49 47.5	801
1989 YF	1992 12 24.15334	04 59 24.02	+14 23 28.9	801
1989 YF	1992 12 24.16322	04 59 23.41	+14 23 29.5	801
1989 YF	1992 12 28.17126	04 55 30.20	+14 30 14.5	801
1989 YF	1992 12 28.18792	04 55 29.25	+14 30 15.3	801
1990 CH	1992 12 22.14419	04 51 32.60	+31 29 22.8	801
1990 CH	1992 12 22.15617	04 51 31.78	+31 29 20.0	801
1990 CH	1992 12 24.15851	04 49 22.82	+31 21 09.7	801
1990 CH	1992 12 24.16799	04 49 22.15	+31 21 06.5	801
1990 DM1	1992 12 27.15009	04 28 16.97	+24 24 09.7	801
1990 DM1	1992 12 27.16814	04 28 16.01	+24 24 06.5	801

1990 DM1	1992 12 28.09944	04 27 30.18	+24 21 15.2	801
1990 DU3	1992 12 21.25887	06 50 07.34	+30 03 13.6	801
1990 DU3	1992 12 21.27330	06 50 06.26	+30 03 13.5	801
1990 DU3	1992 12 25.24368	06 45 16.74	+30 03 05.2	801
1990 DU3	1992 12 25.26094	06 45 15.42	+30 03 05.0	801
1990 EA	1992 12 21.20995	05 50 32.72	+12 18 16.1	801
1990 EA	1992 12 21.22388	05 50 31.79	+12 18 18.6	801
1990 FD1	1992 12 22.01799	01 57 56.76	-04 21 40.5	801
1990 FD1	1992 12 22.03701	01 57 56.73	-04 21 32.1	801
1990 FD1	1992 12 27.96289	01 58 15.64	-03 37 25.5	801
1990 FD1	1992 12 27.98623	01 58 15.78	-03 37 14.3	801
1990 FT1	1992 12 21.01885	01 56 10.52	-03 22 28.5	801
1990 FT1	1992 12 21.03542	01 56 10.84	-03 22 15.2	801
1990 FT1	1992 12 23.01457	01 56 56.77	-02 54 58.9	801
1990 FT1	1992 12 23.02676	01 56 57.05	-02 54 48.8	801
1990 HR	1992 12 22.06637	03 01 45.29	+20 00 46.8	801
1990 HR	1992 12 22.08647	03 01 44.73	+20 00 48.2	801
1990 QJ	1992 11 28.39575	09 58 30.31	+10 29 56.1	801
1990 QJ	1992 11 28.40766	09 58 30.83	+10 29 44.8	801
1990 QJ	1992 11 29.41830	09 59 15.81	+10 13 28.9	801
1990 QJ	1992 11 29.42979	09 59 16.30	+10 13 17.7	801
1990 QJ	1992 12 21.36059	10 09 08.16	+04 00 09.6	801
1990 QJ	1992 12 21.37337	10 09 08.24	+03 59 55.8	801
1990 QJ	1992 12 24.36606	10 09 23.28	+03 06 18.3	801
1990 QJ	1992 12 24.38329	10 09 23.17	+03 05 59.9	801
1990 RW	1992 12 21.25015	06 45 22.42	+24 36 22.6	801
1990 RW	1992 12 21.27073	06 45 21.52	+24 36 25.0	801
1990 RW	1992 12 24.22373	06 43 15.24	+24 38 39.0	801
1990 RW	1992 12 24.24075	06 43 14.48	+24 38 40.0	801
1990 UQ11	1992 12 25.42679	13 07 42.76	+02 44 04.3	801
1990 UQ11	1992 12 25.44172	13 07 43.51	+02 44 00.6	801
1990 VU1	1992 12 21.29772	08 34 30.53	+38 33 08.0	801
1990 VU1	1992 12 21.32264	08 34 29.88	+38 33 14.8	801
1990 VU1	1992 12 25.33333	08 32 43.24	+38 51 36.2	801
1990 VU1	1992 12 25.36317	08 32 42.38	+38 51 43.4	801
1991 FC	1992 12 27.95875	01 43 56.17	-12 24 44.0	r 801
1991 FC	1992 12 27.97801	01 43 56.97	-12 24 36.6	r 801
1991 HD	1992 12 22.05469	02 54 39.61	+10 57 09.4	801
1991 HD	1992 12 22.08101	02 54 38.99	+10 57 12.2	801
1991 HD	1992 12 27.99035	02 53 12.08	+11 08 48.9	r 801
1991 HD	1992 12 28.04059	02 53 11.54	+11 08 55.7	r 801
1991 JU	1992 12 23.04753	02 41 56.90	+17 05 16.7	801
1991 JU	1992 12 27.97366	02 41 10.72	+17 14 37.6	801
1991 JU	1992 12 28.03626	02 41 10.23	+17 14 45.6	801
1991 MA	1992 12 21.44270	11 31 03.57	+36 00 27.1	801
1991 MA	1992 12 21.45574	11 31 04.80	+36 00 39.0	801
1991 NG	1992 12 22.10932	03 54 23.15	+29 16 20.3	801
1991 NG	1992 12 22.12413	03 54 22.52	+29 16 12.8	801
1991 NG	1992 12 25.12972	03 52 29.19	+28 51 22.7	801
1991 NG	1992 12 25.14973	03 52 28.46	+28 51 12.4	801
1991 NP	1992 12 24.18028	05 00 25.44	+37 07 47.3	801
1991 NP	1992 12 24.18789	05 00 24.88	+37 07 42.1	801
1991 NP	1992 12 28.17449	04 55 49.89	+36 22 56.5	801
1991 NP	1992 12 28.19050	04 55 48.83	+36 22 45.7	801
1991 NG1	1992 12 23.14106	04 11 53.25	+31 50 37.7	801
1991 NG1	1992 12 23.16061	04 11 52.36	+31 50 30.6	V 801
1991 NG1	1992 12 28.07309	04 08 43.50	+31 24 26.9	801
1991 NG1	1992 12 28.09009	04 08 42.83	+31 24 20.5	801
1991 NH1	1992 12 22.12083	04 07 01.74	+23 04 15.9	801

1991 NH1	1992 12 22.13617	04 07 01.10	+23 04 13.8	801
1991 NH1	1992 12 25.16606	04 05 03.36	+22 57 57.3	801
1991 NK1	1992 12 27.05642	02 14 41.95	+00 35 27.2	801
1991 NK1	1992 12 27.09207	02 14 41.91	+00 35 36.2	801
1991 NK1	1992 12 27.96611	02 14 43.64	+00 39 16.8	801
1991 NK1	1992 12 28.01580	02 14 43.69	+00 39 29.1	801
1991 NX1	1992 12 22.96549	01 07 04.97	+21 29 26.0	801
1991 NX1	1992 12 23.00465	01 07 05.88	+21 29 20.8	801
1991 NX1	1992 12 27.04575	01 08 51.18	+21 21 10.2	801
1991 NT2	1992 12 25.17987	05 13 14.16	+31 10 49.1	801
1991 NT2	1992 12 25.19556	05 13 13.17	+31 10 44.4	801
1991 NT2	1992 12 27.17509	05 11 13.75	+31 00 39.9	801
1991 NT2	1992 12 27.19008	05 11 12.82	+31 00 34.3	801
1991 PJ	1992 12 25.27841	07 43 30.93	+15 03 42.2	801
1991 PJ	1992 12 25.29382	07 43 30.14	+15 03 46.7	801
1991 PJ	1992 12 27.28545	07 41 50.94	+15 13 40.6	801
1991 PJ	1992 12 27.30258	07 41 50.02	+15 13 45.4	801
1991 PQ10	1992 12 21.41777	11 22 51.84	-00 59 06.1	r 801
1991 PQ10	1992 12 21.43500	11 22 52.96	-00 59 16.3	r 801
1991 PA12	1992 12 23.08295	03 20 38.33	+20 43 21.9	801
1991 PA12	1992 12 23.10573	03 20 37.56	+20 43 17.2	801
1991 PA12	1992 12 27.07704	03 18 43.38	+20 28 29.6	801
1991 PA12	1992 12 27.11248	03 18 42.38	+20 28 21.8	801
1991 PY14	1992 12 24.32071	09 08 59.60	+17 35 58.3	801
1991 PY14	1992 12 24.34863	09 08 58.66	+17 35 56.3	801
1991 PY14	1992 12 27.32584	09 07 16.96	+17 33 26.0	801
1991 PY14	1992 12 27.34431	09 07 16.24	+17 33 26.0	801
1991 QE	1992 12 22.04410	02 46 52.54	+39 10 42.4	801
1991 QE	1992 12 22.06916	02 46 51.78	+39 10 37.9	801
1991 QE	1992 12 25.01759	02 45 35.13	+39 01 38.8	801
1991 QE	1992 12 25.05067	02 45 34.33	+39 01 33.6	801
1991 RJ	1992 12 28.26753	06 55 58.85	+39 40 42.1	W 801
1991 RJ	1992 12 28.28193	06 55 57.77	+39 40 41.9	W 801
1991 RS1	1992 12 25.42102	11 28 54.30	+09 56 29.4	801
1991 RS1	1992 12 25.44464	11 28 55.02	+09 56 21.9	801
1991 RQ21	1992 12 25.21372	06 31 36.14	+27 06 25.6	801
1991 RQ21	1992 12 25.22818	06 31 35.21	+27 06 27.3	801
1991 RQ21	1992 12 27.21831	06 29 31.49	+27 10 19.2	801
1991 RQ21	1992 12 27.27049	06 29 28.15	+27 10 25.0	801
1991 RP25	1992 12 21.39766	09 56 14.49	+30 01 39.4	801
1991 RP25	1992 12 27.36819	09 55 55.47	+30 35 57.3	801
1991 RP25	1992 12 27.40828	09 55 55.09	+30 36 11.2	801
1991 UT2	1992 12 25.41834	10 59 41.76	+19 57 42.4	801
1991 UT2	1992 12 25.44745	10 59 42.37	+19 57 48.6	801
1991 UM4	1992 12 26.34181	09 29 45.42	+17 39 03.7	801
1991 UM4	1992 12 26.38059	09 29 44.73	+17 39 07.3	801
1991 VK5	1992 12 25.34471	08 42 39.56	+23 46 33.2	801
1991 VK5	1992 12 25.36689	08 42 38.82	+23 46 40.9	801
1991 VK5	1992 12 27.31903	08 41 35.07	+23 57 39.1	801
1991 VK5	1992 12 27.34141	08 41 34.30	+23 57 46.1	801
1992 HE	1992 12 27.00047	00 49 09.69	+26 54 42.4	801
1992 HE	1992 12 27.02039	00 49 10.31	+26 54 47.9	801
1992 NA	1992 12 27.17166	04 02 11.86	+44 12 16.3	801
1992 NA	1992 12 27.18325	04 02 12.04	+44 12 04.3	801
1992 NA	1992 12 28.21435	04 02 35.00	+43 54 49.4	801
1992 NA	1992 12 28.23182	04 02 35.33	+43 54 30.2	801
1992 SG	1992 12 26.96769	00 09 46.40	+10 40 15.8	801
1992 SG	1992 12 26.98308	00 09 47.20	+10 40 22.1	801
1992 ST	1992 12 21.99076	01 29 50.08	+17 41 07.7	801

1992 ST	1992 12 21.99983	01 29 50.84	+17 41 14.9	801
1992 ST	1992 12 27.01275	01 37 36.77	+18 46 04.6	801
1992 ST	1992 12 27.02396	01 37 37.89	+18 46 13.6	801
1992 SB1	1992 12 22.01008	00 23 08.40	+13 11 52.8	801
1992 SB1	1992 12 22.02971	00 23 09.11	+13 11 58.7	801
1992 SB1	1992 12 26.96465	00 26 28.10	+13 36 41.4	801
1992 SB1	1992 12 26.98942	00 26 29.08	+13 36 49.5	801
1992 SR2	1992 12 22.96227	00 48 01.18	+09 50 21.8	801
1992 SR2	1992 12 23.00801	00 48 02.19	+09 50 32.2	801
1992 SR2	1992 12 27.00429	00 49 42.60	+10 06 50.9	801
1992 SR2	1992 12 27.02809	00 49 43.22	+10 06 57.2	801
1992 SG13	1992 12 21.06390	02 21 42.34	+21 28 44.0	801
1992 SG13	1992 12 21.10432	02 21 43.26	+21 28 48.2	801
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1992 TC	1992 12 22.05763	02 46 50.31	+11 14 41.0	801
1992 UB	1992 12 21.07351	02 34 22.62	+11 05 48.3	801
1992 UB	1992 12 28.00431	02 41 20.22	+13 59 12.3	801
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1617 T-2	1992 12 24.21222	05 34 56.22	+29 28 52.9	801
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809 European Southern Observatory

H. Debehogne, Observatoire Royal de Belgique, Avenue Circulaire 3, B-1180
Brussels, Belgium (3)

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

O. Hainaut, Institut d'Astrophysique, Avenue de Cointe 5,
B-4200 Liege, Belgium (5)

Observers H. Debehogne, E. W. Elst, G. Pizarro, O. Pizarro,
A. Lopez G., A. Smette, C. Vanderriest, O. Hainaut

Measurers H. Debehogne, E. W. Elst, J. P. Olivier, O. Hainaut,
J. Dumoulin, G. Peeters, T. Pauwels

1.0-m Schmidt, GPO 0.4-m astrograph, 3.5-m New Technology Telescope
GSC

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1984 FU	1992 09	22.14375	23 46	20.18	-06 28	19.0	18.1	4	809
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1986 PS4	1991 08	14.16181	20 49	14.89	-18 51	04.7	18.2	4	809
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1986 PS4	1991 08	14.18819	20 49	13.42	-18 51	04.7		4	809
1986 TK1	1992 05	01.18750	14 02	21.84	-20 14	36.9	16.6	3	809
1986 TK1	1992 05	01.19444	14 02	21.40	-20 14	33.7		3	809
1986 TK1	1992 05	01.20139	14 02	20.95	-20 14	31.1		3	809
1986 TR3	1991 08	16.32569	21 40	51.14	-14 44	52.9	17.2	4	809
1986 TR3	1991 08	16.33611	21 40	50.60	-14 44	55.3		4	809
1986 TR3	1991 08	16.34722	21 40	50.11	-14 44	57.6		4	809
1987 QW1	1992 07	24.24792	21 21	26.13	-13 52	37.4		4	809
1987 QW1	1992 07	24.25833	21 21	25.60	-13 52	40.7		4	809
1987 QW1	1992 07	24.26875	21 21	25.11	-13 52	43.8		4	809
1987 QW1	1992 07	26.22083	21 20	02.58	-14 00	08.7	18.5	4	809
1987 QW1	1992 07	26.23125	21 20	02.03	-14 00	11.8		4	809
1987 QW1	1992 07	26.24167	21 20	01.58	-14 00	13.8		4	809

1987 QW1	1992 07 30.25833	21 17 02.75	-14 16 14.8	18.0	4	809
1987 QW1	1992 07 30.26875	21 17 02.18	-14 16 17.8		4	809
1987 QW1	1992 07 30.27917	21 17 01.68	-14 16 20.0		4	809
1987 RA1	1992 09 22.09931	22 38 02.31	-07 09 28.7	18.2	4	809
1987 RA1	1992 09 22.11250	22 38 01.76	-07 09 31.5		4	809
1987 RA1	1992 09 22.12569	22 38 01.18	-07 09 35.4		4	809
1987 RA1	1992 09 23.10278	22 37 24.38	-07 13 26.1		4	809
1987 RA1	1992 09 23.11597	22 37 23.83	-07 13 29.4		4	809
1987 RA1	1992 09 23.12917	22 37 23.28	-07 13 32.7		4	809
1988 EB1	1992 04 24.11979	14 36 15.37	-13 26 52.1	17.0	3	809
1988 EB1	1992 04 24.13021	14 36 14.78	-13 26 50.5		3	809
1988 EB1	1992 04 24.14063	14 36 14.18	-13 26 48.8		3	809
1988 EB1	1992 04 25.10035	14 35 19.36	-13 24 18.8		3	809
1988 EB1	1992 04 25.11076	14 35 18.76	-13 24 17.7		3	809
1988 EB1	1992 05 01.24548	14 29 23.38	-13 08 15.3		3	809
1988 EB1	1992 05 01.25591	14 29 22.78	-13 08 13.6		3	809
1988 EB1	1992 05 01.26632	14 29 22.16	-13 08 12.4		3	809
1988 EB1	1992 05 04.11771	14 26 38.72	-13 00 48.7		3	809
1988 EB1	1992 05 04.12813	14 26 38.12	-13 00 47.0		3	809
1988 EB1	1992 05 04.13854	14 26 37.51	-13 00 45.5		3	809
1988 PJ1	1992 07 28.18993	20 43 08.50	-23 23 03.5	16.6	3	809
1988 PJ1	1992 07 28.20174	20 43 07.68	-23 23 00.5		3	809
1988 PJ1	1992 07 28.21355	20 43 06.86	-23 22 57.7		3	809
1988 PJ1	1992 07 30.18854	20 40 50.26	-23 14 58.9		3	809
1988 PJ1	1992 07 30.20035	20 40 49.46	-23 14 56.0		3	809
1988 PJ1	1992 07 30.21216	20 40 48.65	-23 14 53.3		3	809
1988 PJ1	1992 07 31.24132	20 39 37.29	-23 10 38.4		3	809
1988 PJ1	1992 07 31.24965	20 39 36.71	-23 10 36.0		3	809
1988 PJ1	1992 07 31.25798	20 39 36.14	-23 10 34.0		3	809
1988 PJ1	1992 08 01.09584	20 38 38.89	-23 06 58.4		3	809
1988 PJ1	1992 08 01.10417	20 38 38.31	-23 06 56.3		3	809
1988 PJ1	1992 08 01.11250	20 38 37.75	-23 06 54.4		3	809
1988 PJ1	1992 08 03.28229	20 36 08.93	-22 57 22.6		3	809
1988 PJ1	1992 08 03.29271	20 36 08.21	-22 57 19.8		3	809
1988 PJ1	1992 08 03.30313	20 36 07.48	-22 57 17.1		3	809
1988 PJ1	1992 08 04.23473	20 35 04.59	-22 53 02.5		3	809
1988 PJ1	1992 08 04.24480	20 35 03.91	-22 52 59.8		3	809
1988 PJ1	1992 08 04.25487	20 35 03.23	-22 52 57.0		3	809
1988 PJ1	1992 08 05.22501	20 33 58.06	-22 48 29.8	16.0	3	809
1988 PJ1	1992 08 05.23473	20 33 57.40	-22 48 27.0		3	809
1988 PJ1	1992 08 05.24445	20 33 56.73	-22 48 24.2		3	809
1988 RU3	1992 07 24.24792	21 27 19.21	-13 18 56.3		4	809
1988 RU3	1992 07 24.25833	21 27 18.70	-13 18 59.6		4	809
1988 RU3	1992 07 24.26875	21 27 18.25	-13 19 03.1		4	809
1988 RU3	1992 07 26.22083	21 25 51.36	-13 27 53.7	18.4	4	809
1988 RU3	1992 07 26.23125	21 25 50.83	-13 27 56.5		4	809
1988 RU3	1992 07 26.24167	21 25 50.33	-13 27 59.5		4	809
1988 RU3	1992 07 30.25833	21 22 41.94	-13 47 04.8		4	809
1988 RU3	1992 07 30.26875	21 22 41.32	-13 47 06.8		4	809
1988 RU3	1992 07 30.27917	21 22 40.89	-13 47 09.4		4	809
1988 RD5	1992 05 01.24548	14 24 47.13	-13 40 21.1		3	809
1988 RD5	1992 05 01.25591	14 24 46.70	-13 40 20.6		3	809
1988 RD5	1992 05 01.26632	14 24 46.25	-13 40 20.5		3	809
1988 RU6	1992 07 24.24792	21 23 47.97	-12 26 32.6	18.5	4	809
1988 RU6	1992 07 24.25833	21 23 47.27	-12 26 36.1		4	809
1988 RU6	1992 07 24.26875	21 23 46.78	-12 26 39.4		4	809
1988 RU6	1992 07 30.25833	21 18 46.91	-12 50 36.2	18.3	4	809
1988 RU6	1992 07 30.26875	21 18 46.38	-12 50 38.1		4	809
1988 RU6	1992 07 30.27917	21 18 45.75	-12 50 40.3		4	809

1988 TQ	1992 07	24.24792	21 38	56.24	-16 59	47.0		4	809
1988 TQ	1992 07	24.25833	21 38	55.65	-16 59	51.6		4	809
1988 TQ	1992 07	24.26875	21 38	55.21	-16 59	54.7		4	809
1988 TQ	1992 08	01.34271	21 33	07.87	-17 43	48.5	17.4	3	809
1988 TQ	1992 08	01.35312	21 33	07.38	-17 43	52.0		3	809
1988 TQ	1992 08	01.36354	21 33	06.89	-17 43	55.4		3	809
1988 TQ	1992 08	02.37119	21 32	19.01	-17 49	36.8		3	809
1988 TQ	1992 08	02.38020	21 32	18.58	-17 49	39.9		3	809
1988 TQ	1992 08	02.38924	21 32	18.13	-17 49	42.7		3	809
1988 TQ	1992 08	04.26772	21 30	46.96	-18 00	21.0		3	809
1988 TQ	1992 08	04.27812	21 30	46.48	-18 00	24.8		3	809
1988 TQ	1992 08	04.28854	21 30	45.99	-18 00	28.2		3	809
1989 SF	1992 09	22.09931	22 42	44.51	-05 07	09.3	18.0	4	809
1989 SF	1992 09	22.11250	22 42	43.74	-05 07	11.8		4	809
1989 SF	1992 09	22.12569	22 42	43.01	-05 07	14.1		4	809
1989 SF	1992 09	23.10278	22 41	52.39	-05 10	33.8		4	809
1989 SF	1992 09	23.11597	22 41	51.70	-05 10	36.3		4	809
1989 SF	1992 09	23.12917	22 41	50.99	-05 10	39.0		4	809
1989 TF4	1992 09	22.09931	22 45	05.09	-08 51	47.6	18.5	4	809
1989 TF4	1992 09	22.11250	22 45	04.39	-08 51	52.9		4	809
1989 TF4	1992 09	22.12569	22 45	03.79	-08 51	58.6		4	809
1989 UT2	1992 05	02.06285	13 52	46.01	-15 02	08.8		3	809
1989 UT2	1992 05	02.07327	13 52	45.51	-15 02	01.7		3	809
1989 UT2	1992 05	02.08368	13 52	45.03	-15 01	55.0		3	809
1989 UT2	1992 05	03.03993	13 52	00.89	-14 51	24.1		3	809
1989 UT2	1992 05	03.05035	13 52	00.40	-14 51	17.6		3	809
1989 UT2	1992 05	03.06076	13 51	59.91	-14 51	11.1		3	809
1989 UT2	1992 05	04.08368	13 51	13.15	-14 39	57.1		3	809
1989 UT2	1992 05	04.09410	13 51	12.65	-14 39	50.1		3	809
1989 UT2	1992 05	04.10452	13 51	12.15	-14 39	43.1		3	809
1989 YP5	1992 07	22.11354	19 49	11.02	-19 20	54.7	16.7	3	809
1989 YP5	1992 07	22.12257	19 49	10.52	-19 20	57.7		3	809
1989 YP5	1992 07	22.13159	19 49	10.02	-19 21	00.4		3	809
1989 YP5	1992 07	23.14027	19 48	14.31	-19 26	27.7		3	809
1989 YP5	1992 07	23.14861	19 48	13.84	-19 26	30.6		3	809
1989 YP5	1992 07	23.15695	19 48	13.39	-19 26	33.6		3	809
1990 BS1	1992 07	19.02431	19 13	55.13	-22 19	29.4		3	809
1990 BS1	1992 07	19.03125	19 13	54.81	-22 19	31.2		3	809
1990 BS1	1992 07	19.03819	19 13	54.49	-22 19	33.3		3	809
1990 BS1	1992 07	20.00591	19 13	08.43	-22 24	19.1		3	809
1990 BS1	1992 07	20.01355	19 13	08.06	-22 24	21.3		3	809
1990 BS1	1992 07	20.02118	19 13	07.69	-22 24	23.3		3	809
1990 BZ1	1992 07	24.28542	21 44	23.23	-09 14	19.2		4	809
1990 BZ1	1992 07	24.29583	21 44	22.76	-09 14	20.6		4	809
1990 BZ1	1992 07	24.30625	21 44	22.29	-09 14	23.3		4	809
1990 BZ1	1992 07	26.25625	21 43	00.16	-09 20	08.4	18.5	4	809
1990 BZ1	1992 07	26.26667	21 42	59.65	-09 20	11.7		4	809
1990 BZ1	1992 07	26.27708	21 42	59.16	-09 20	13.6		4	809
1990 RQ2	1992 04	23.02187	12 40	09.97	-09 29	54.0		3	809
1990 RQ2	1992 04	23.03229	12 40	09.43	-09 29	51.1		3	809
1990 RQ2	1992 04	23.04271	12 40	08.91	-09 29	48.1		3	809
1990 SM28	1992 04	25.01146	13 05	34.29	-11 12	37.1		3	809
1990 SM28	1992 04	25.02187	13 05	33.72	-11 12	32.8		3	809
1990 SM28	1992 05	01.01388	13 00	42.06	-10 32	03.6		3	809
1990 SM28	1992 05	01.02465	13 00	41.57	-10 31	59.4		3	809
1990 SM28	1992 05	01.03507	13 00	41.09	-10 31	55.2		3	809
1990 UW	1992 05	03.00660	13 40	47.65	-15 20	40.3		3	809
1990 UW	1992 05	03.01701	13 40	47.07	-15 20	37.2		3	809
1990 UW	1992 05	03.02743	13 40	46.49	-15 20	34.1		3	809

1990 UW	1992 05	04.01701	13 39	51.49	-15 15	28.7		3	809
1990 UW	1992 05	04.02743	13 39	50.94	-15 15	25.8		3	809
1990 UW	1992 05	04.03785	13 39	50.37	-15 15	22.6		3	809
1990 UW	1992 05	07.07813	13 37	08.92	-15 00	02.4		3	809
1990 UW	1992 05	07.08855	13 37	08.33	-14 59	59.1		3	809
1990 UW	1992 05	07.09895	13 37	07.80	-14 59	55.9		3	809
1990 UR1	1992 05	11.30521	15 15	57.86	-20 14	53.4		3	809
1990 UR1	1992 05	11.31563	15 15	57.12	-20 14	43.3		3	809
1990 UR1	1992 05	11.32603	15 15	56.38	-20 14	33.2		3	809
1990 UR1	1992 05	12.11008	15 15	01.33	-20 01	48.4		3	809
1990 UR1	1992 05	12.12048	15 15	00.59	-20 01	38.2		3	809
1990 UR1	1992 05	12.12674	15 14	59.96	-20 01	30.4		3	809
1990 UR1	1992 05	12.13368	15 14	59.45	-20 01	23.6		3	809
1990 UR1	1992 05	13.35695	15 13	32.06	-19 41	18.8		3	809
1990 UR1	1992 05	13.36389	15 13	31.60	-19 41	12.2		3	809
1990 UR1	1992 05	13.37083	15 13	31.12	-19 41	05.3		3	809
1991 CO	1992 07	22.08577	19 52	59.57	-21 25	52.4		3	809
1991 CO	1992 07	22.09479	19 52	58.81	-21 25	52.2		3	809
1991 CO	1992 07	22.10382	19 52	58.31	-21 25	52.1		3	809
1991 CX2	1992 09	22.14375	23 42	05.81	-04 10	01.4	18.0	4	809
1991 CX2	1992 09	22.15694	23 42	05.04	-04 10	09.0		4	809
1991 CX2	1992 09	22.17014	23 42	04.25	-04 10	16.8		4	809
1991 CX2	1992 09	23.15694	23 41	12.63	-04 19	29.0		4	809
1991 CX2	1992 09	23.17014	23 41	11.91	-04 19	37.3		4	809
1991 CX2	1992 09	23.18333	23 41	11.15	-04 19	44.5		4	809
1991 GP7	1992 09	22.09931	22 32	15.16	-07 41	15.0	18.1	4	809
1991 GP7	1992 09	22.11250	22 32	14.44	-07 41	18.0		4	809
1991 GP7	1992 09	22.12569	22 32	13.81	-07 41	20.5		4	809
1991 GP7	1992 09	23.10278	22 31	29.14	-07 44	33.8		4	809
1991 GP7	1992 09	23.11597	22 31	28.39	-07 44	36.6		4	809
1991 GP7	1992 09	23.12917	22 31	27.81	-07 44	39.2		4	809
1991 PY	1991 08	10.30278	21 32	15.62	-09 49	16.2		4	809
1991 PY	1991 08	10.31319	21 32	14.91	-09 49	14.6		4	809
1991 PY	1991 08	10.32361	21 32	14.29	-09 49	12.6		4	809
1991 PB2	1991 09	07.00972	20 28	46.97	-23 25	54.6		4	809
1991 PB2	1991 09	07.02292	20 28	46.73	-23 25	56.6		4	809
1991 PB2	1991 09	07.03611	20 28	46.55	-23 25	58.1		4	809
1991 PL2	1991 09	04.02361	20 32	19.88	-21 03	18.1	18.8	4	809
1991 PL2	1991 09	04.03681	20 32	19.53	-21 03	14.8		4	809
1991 PL2	1991 09	04.05000	20 32	19.26	-21 03	12.3		4	809
1991 PQ2	1991 08	14.16181	20 44	59.71	-21 27	42.3	18.7	4	809
1991 PQ2	1991 08	14.17500	20 44	58.96	-21 27	43.4		4	809
1991 PQ2	1991 08	14.18819	20 44	58.17	-21 27	44.9		4	809
1991 PU2	1991 09	06.01667	20 29	03.91	-21 11	38.8	19.0	4	809
1991 PU2	1991 09	06.02986	20 29	03.44	-21 11	36.1		4	809
1991 PU2	1991 09	06.04306	20 29	02.91	-21 11	33.7		4	809
1991 PG5	1991 09	06.06389	20 55	24.79	-15 52	24.6	19.3	4	809
1991 PG5	1991 09	06.07708	20 55	24.40	-15 52	27.1		4	809
1991 PG5	1991 09	06.09028	20 55	23.89	-15 52	28.7		4	809
1991 PZ5	1991 09	06.10833	21 24	12.67	-16 10	07.2	19.0	4	809
1991 PZ5	1991 09	06.12153	21 24	12.05	-16 10	07.0		4	809
1991 PZ5	1991 09	06.13472	21 24	11.47	-16 10	06.7		4	809
1991 PA6	1991 09	06.10833	21 29	16.26	-15 33	43.1	19.3	4	809
1991 PA6	1991 09	06.12153	21 29	15.62	-15 33	43.5		4	809
1991 PA6	1991 09	06.13472	21 29	15.24	-15 33	45.9		4	809
1991 PD6	1991 09	06.10833	21 27	35.83	-15 17	04.4	18.7	4	809
1991 PD6	1991 09	06.12153	21 27	35.24	-15 17	07.0		4	809
1991 PD6	1991 09	06.13472	21 27	34.70	-15 17	08.3		4	809
1991 PM7	1991 09	06.10833	21 42	09.15	-18 11	20.3	19.6	4	809

1991 PM7		1991 09 06.12153	21 42 08.67	-18 11 23.4		4	809
1991 PM7		1991 09 06.13472	21 42 08.15	-18 11 25.6		4	809
1991 PJ8		1991 08 03.09167	21 17 45.11	-16 57 13.6	18.4	4	809
1991 PJ8		1991 08 03.10486	21 17 44.53	-16 57 24.6		4	809
1991 PJ8		1991 08 03.11806	21 17 43.87	-16 57 37.0		4	809
1991 PS14		1991 09 06.10833	21 30 32.17	-18 24 10.5	19.2	4	809
1991 PS14		1991 09 06.12153	21 30 31.56	-18 24 08.8		4	809
1991 PS14		1991 09 06.13472	21 30 30.99	-18 24 06.6		4	809
1991 PW19	*	1991 08 02.13125	20 50 48.00	-21 50 12.5	18.5	4	809
1991 PW19		1991 08 14.16181	20 40 12.05	-22 15 48.1	19.5	4	809
1991 PW19		1991 08 14.17500	20 40 11.33	-22 15 50.4		4	809
1991 PW19		1991 08 14.18819	20 40 10.63	-22 15 52.0		4	809
1991 PX19		1991 08 02.11806	20 55 23.39	-21 23 52.7		4	809
1991 PX19	*	1991 08 02.13125	20 55 22.51	-21 23 55.1	18.7	4	809
1991 PX19		1991 08 02.14444	20 55 21.63	-21 23 59.0		4	809
1991 PX19		1991 08 14.16181	20 42 54.54	-22 06 05.8	19.3	4	809
1991 PX19		1991 08 14.17500	20 42 53.81	-22 06 08.6		4	809
1991 PX19		1991 08 14.18819	20 42 53.00	-22 06 10.1		4	809
1991 PY19	*	1991 08 02.13125	21 01 59.84	-22 09 31.3	19.0	4	809
1991 PY19		1991 08 14.16181	20 49 32.82	-22 16 24.4	19.3	4	809
1991 PY19		1991 08 14.17500	20 49 31.99	-22 16 24.0		4	809
1991 PY19		1991 08 14.18819	20 49 31.20	-22 16 23.4		4	809
1991 PZ19		1991 08 02.11806	21 08 47.91	-19 33 18.8		4	809
1991 PZ19	*	1991 08 02.13125	21 08 47.17	-19 33 24.3	19.2	4	809
1991 PZ19		1991 08 02.14444	21 08 46.41	-19 33 28.5		4	809
1991 PZ19		1991 08 14.16181	20 58 14.48	-20 48 10.2	19.6	4	809
1991 PZ19		1991 08 14.17500	20 58 13.79	-20 48 14.8		4	809
1991 PZ19		1991 08 14.18819	20 58 12.92	-20 48 20.9		4	809
1991 PA20	*	1991 08 03.09167	21 21 08.51	-16 28 55.3	18.6	4	809
1991 PA20		1991 08 03.10486	21 21 07.87	-16 29 04.3		4	809
1991 PA20		1991 08 03.11806	21 21 07.23	-16 29 12.8		4	809
1991 PA20		1991 08 04.09444	21 20 21.44	-16 40 13.5		4	809
1991 PB20	*	1991 08 14.20625	22 02 05.90	-16 48 50.2	18.6	4	809
1991 PB20		1991 08 14.21944	22 02 05.10	-16 48 56.1		4	809
1991 PB20		1991 08 14.23264	22 02 04.33	-16 49 01.9		4	809
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1991 PB20		1991 09 07.10069	21 40 07.85	-19 30 47.8		4	809
1991 PB20		1991 09 07.11389	21 40 07.07	-19 30 53.6		4	809
1991 PB20		1991 09 07.12708	21 40 06.44	-19 30 57.6		4	809
1991 PF29	*	1991 08 07.09792	21 07 35.02	-22 11 12.2	19.2	4	809
1991 PF29		1991 08 07.11111	21 07 34.20	-22 11 16.8		4	809
1991 PF29		1991 08 07.12431	21 07 33.53	-22 11 20.2		4	809
1991 PF29		1991 09 04.02361	20 46 00.25	-23 28 10.7	20.0	4	809
1991 PF29		1991 09 04.03681	20 45 59.86	-23 28 10.4		4	809
1991 PF29		1991 09 04.05000	20 45 59.52	-23 28 09.1		4	809
1991 RK11		1991 09 05.08403	20 28 34.08	-20 03 39.8		4	809
1991 RK11		1991 09 05.09722	20 28 33.70	-20 03 43.6		4	809
1991 RK11		1991 09 05.11042	20 28 33.30	-20 03 46.2		4	809
1991 RT11		1991 08 02.11806	21 08 35.89	-19 47 12.6		4	809
1991 RT11		1991 08 02.13125	21 08 35.19	-19 47 16.3	18.7	4	809
1991 RT11		1991 08 02.14444	21 08 34.52	-19 47 18.0		4	809
1991 RY11		1991 08 03.09167	21 21 11.99	-16 50 56.3	18.7	4	809
1991 RY11		1991 08 03.10486	21 21 11.28	-16 50 59.7		4	809
1991 RY11		1991 08 03.11806	21 21 10.65	-16 51 04.9		4	809
1991 RZ11		1991 08 03.09167	21 20 23.69	-17 17 20.7	18.5	4	809
1991 RZ11		1991 08 03.10486	21 20 23.03	-17 17 24.0		4	809
1991 RZ11		1991 08 03.11806	21 20 22.43	-17 17 24.9		4	809

1991 RZ11	1991 08 04.09444	21 19 37.89	-17 20 36.4		4 809
1991 RR12	1991 08 14.20625	21 58 04.50	-18 24 54.0	18.6	4 809
1991 RR12	1991 08 14.21944	21 58 03.69	-18 24 57.6		4 809
1991 RR12	1991 08 14.23264	21 58 02.87	-18 25 00.7		4 809
1991 RK31	* 1991 09 06.10833	21 42 16.72	-18 05 09.7	18.6	4 809
1991 RK31	1991 09 06.12153	21 42 16.15	-18 05 09.5		4 809
1991 RK31	1991 09 06.13472	21 42 15.50	-18 05 09.1		4 809
1991 RK31	1991 09 07.10069	21 41 28.94	-18 04 09.1	18.7	4 809
1991 RK31	1991 09 07.11389	21 41 28.24	-18 04 08.8		4 809
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1991 VV6	1991 11 02.21389	04 07 42.30	+12 32 27.0	18.8	4 809
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1992 FA1	1992 05 02.98368	13 07 11.40	-11 41 37.8		3 809
1992 FA1	1992 05 02.99410	13 07 10.95	-11 41 33.5		3 809
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1992 FA1	1992 05 04.00243	13 06 30.32	-11 33 57.4		3 809
1992 GZ4	1992 04 25.06771	14 23 12.32	-12 00 09.4	17.6	3 809
1992 GZ4	1992 04 25.07813	14 23 11.85	-12 00 07.2		3 809
1992 GZ4	1992 04 25.08854	14 23 11.36	-12 00 04.8		3 809
1992 GZ4	1992 05 01.21042	14 18 28.25	-11 39 29.4		3 809
1992 GZ4	1992 05 01.21736	14 18 27.92	-11 39 27.9		3 809
1992 GZ4	1992 05 01.22430	14 18 27.59	-11 39 26.6		3 809
1992 GZ4	1992 05 02.13021	14 17 45.77	-11 36 25.2		3 809
1992 GZ4	1992 05 02.14063	14 17 45.27	-11 36 22.9		3 809
1992 GZ4	1992 05 02.15104	14 17 44.80	-11 36 21.1		3 809
1992 GZ4	1992 05 03.25591	14 16 54.74	-11 32 44.6		3 809
1992 GZ4	1992 05 03.26632	14 16 54.26	-11 32 42.8		3 809
1992 GZ4	1992 05 03.27673	14 16 53.77	-11 32 40.9		3 809
1992 GA5	1992 04 25.06771	14 21 27.66	-12 15 21.4	17.7	3 809
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1992 GA5	1992 04 25.08854	14 21 26.45	-12 15 18.0		3 809
1992 GA5	1992 05 02.13021	14 14 31.59	-11 57 36.0		3 809
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1992 GA5	1992 05 03.25591	14 13 24.58	-11 54 49.2		3 809
1992 GA5	1992 05 03.26632	14 13 23.96	-11 54 47.7		3 809
1992 GA5	1992 05 03.27673	14 13 23.34	-11 54 46.1		3 809
1992 GC5	1992 04 25.06771	14 23 17.34	-12 09 51.1	17.4	3 809
1992 GC5	1992 04 25.07813	14 23 16.84	-12 09 49.0		3 809
1992 GC5	1992 04 25.08854	14 23 16.36	-12 09 46.8		3 809
1992 GC5	1992 05 01.21042	14 18 20.66	-11 49 27.3		3 809
1992 GC5	1992 05 01.21736	14 18 20.33	-11 49 25.9		3 809
1992 GC5	1992 05 01.22430	14 18 20.00	-11 49 24.7		3 809
1992 GC5	1992 05 02.13021	14 17 36.53	-11 46 28.3		3 809
1992 GC5	1992 05 02.14063	14 17 36.04	-11 46 26.5		3 809
1992 GC5	1992 05 02.15104	14 17 35.54	-11 46 24.7		3 809
1992 GC5	1992 05 03.25591	14 16 42.79	-11 42 49.8		3 809
1992 GC5	1992 05 03.26632	14 16 42.30	-11 42 48.2		3 809
1992 GC5	1992 05 03.27673	14 16 41.81	-11 42 46.3		3 809
1992 HA	1992 05 04.27049	13 52 14.92	-10 10 15.8	17.3	3 809
1992 HA	1992 05 04.28090	13 52 14.31	-10 10 15.3		3 809
1992 HA	1992 05 04.29132	13 52 13.72	-10 10 15.2		3 809
1992 HA	1992 05 08.25868	13 48 25.39	-10 08 01.5		3 809
1992 HA	1992 05 08.26910	13 48 24.77	-10 08 01.3		3 809
1992 HA	1992 05 08.27951	13 48 24.15	-10 08 00.8		3 809
1992 HA	1992 05 10.24480	13 46 38.09	-10 07 27.0		3 809

1992 HA		1992 05 10.25381	13 46 37.60	-10 07 26.8		3	809
1992 HA		1992 05 10.26285	13 46 37.11	-10 07 26.7		3	809
1992 HD1		1992 04 24.11979	14 38 28.36	-13 10 15.2	17.7	3	809
1992 HD1		1992 04 24.13021	14 38 27.85	-13 10 13.5		3	809
1992 HD1		1992 04 24.14063	14 38 27.35	-13 10 11.8		3	809
1992 HD1		1992 05 01.24548	14 32 49.72	-12 50 25.9		3	809
1992 HD1		1992 05 01.25591	14 32 49.25	-12 50 24.1		3	809
1992 HD1		1992 05 01.26632	14 32 48.73	-12 50 22.4		3	809
1992 HH1		1992 05 01.21042	14 19 02.52	-13 27 02.7	17.6	3	809
1992 HH1		1992 05 01.21736	14 19 02.19	-13 27 00.7		3	809
1992 HH1		1992 05 01.22430	14 19 01.85	-13 26 58.4		3	809
1992 HH1		1992 05 02.22743	14 18 12.74	-13 21 40.5		3	809
1992 HH1		1992 05 02.23785	14 18 12.24	-13 21 37.1		3	809
1992 HH1		1992 05 02.24826	14 18 11.74	-13 21 34.1		3	809
1992 HH1		1992 05 03.22188	14 17 24.39	-13 16 25.3		3	809
1992 HH1		1992 05 03.23229	14 17 23.88	-13 16 22.0		3	809
1992 HH1		1992 05 03.24271	14 17 23.40	-13 16 18.9		3	809
1992 HG4		1992 04 25.03438	13 47 18.95	-11 14 42.5	16.8	3	809
1992 HG4		1992 04 25.04479	13 47 18.35	-11 14 38.6		3	809
1992 HG4		1992 04 25.05521	13 47 17.74	-11 14 35.1		3	809
1992 HG4		1992 05 01.15590	13 41 30.62	-10 37 41.3		3	809
1992 HG4		1992 05 01.16632	13 41 30.02	-10 37 37.5		3	809
1992 HG4		1992 05 01.17673	13 41 29.42	-10 37 33.7		3	809
1992 HT4	*	1992 04 22.98402	12 12 04.68	-06 06 50.6	17.5	3	809
1992 HT4		1992 04 22.99653	12 12 04.30	-06 06 45.7		3	809
1992 HT4		1992 04 23.00903	12 12 03.94	-06 06 40.9		3	809
1992 HT4		1992 04 23.98264	12 11 36.77	-06 00 41.5		3	809
1992 HT4		1992 04 23.99514	12 11 36.38	-06 00 37.6		3	809
1992 HU4	*	1992 04 23.02187	12 39 57.55	-10 12 56.8	17.5	3	809
1992 HU4		1992 04 23.03229	12 39 57.11	-10 12 52.7		3	809
1992 HU4		1992 04 23.04271	12 39 56.67	-10 12 48.5		3	809
1992 HU4		1992 04 24.00799	12 39 15.84	-10 06 58.2		3	809
1992 HU4		1992 04 24.01840	12 39 15.40	-10 06 53.8		3	809
1992 HV4	*	1992 04 23.02187	12 42 03.15	-10 25 57.6	17.2	3	809
1992 HV4		1992 04 23.03229	12 42 02.71	-10 25 53.3		3	809
1992 HV4		1992 04 23.04271	12 42 02.28	-10 25 48.7		3	809
1992 HV4		1992 04 24.00799	12 41 22.26	-10 18 58.2		3	809
1992 HV4		1992 04 24.01840	12 41 21.86	-10 18 53.4		3	809
1992 HW4	*	1992 04 23.05451	13 23 33.29	-13 40 36.2	16.7	3	809
1992 HW4		1992 04 23.06493	13 23 32.73	-13 40 32.5		3	809
1992 HW4		1992 04 23.07535	13 23 32.18	-13 40 28.7		3	809
1992 HW4		1992 04 24.06354	13 22 40.65	-13 34 36.2		3	809
1992 HW4		1992 04 24.07396	13 22 40.09	-13 34 33.1		3	809
1992 HX4	*	1992 04 23.05451	13 29 50.32	-14 44 22.5	17.0	3	809
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1992 HX4		1992 04 23.07535	13 29 49.12	-14 44 14.7		3	809
1992 HX4		1992 04 24.06354	13 28 53.93	-14 38 30.8		3	809
1992 HX4		1992 04 24.07396	13 28 53.35	-14 38 26.7		3	809
1992 HY4	*	1992 04 23.08715	14 11 21.55	-19 46 32.9	16.8	3	809
1992 HY4		1992 04 23.09757	14 11 20.90	-19 46 29.3		3	809
1992 HY4		1992 04 23.10799	14 11 20.25	-19 46 25.1		3	809
1992 HY4		1992 05 01.18750	14 02 58.45	-18 58 17.0		3	809
1992 HY4		1992 05 01.19444	14 02 58.03	-18 58 14.7		3	809
1992 HY4		1992 05 01.20139	14 02 57.58	-18 58 12.6		3	809
1992 HY4		1992 05 02.09688	14 02 03.66	-18 52 35.3		3	809
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1992 HY4		1992 05 04.20174	13 59 58.38	-18 39 18.8		3	809
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1992 HZ4	*	1992 04 24.03021	13 01 42.55	-10 47 06.5	17.6	3	809
1992 HZ4		1992 04 24.04063	13 01 42.15	-10 47 01.3		3	809
1992 HZ4		1992 04 24.05104	13 01 41.73	-10 46 56.1		3	809
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1992 HA5		1992 04 24.13021	14 36 23.76	-12 49 33.2		3	809
1992 HA5		1992 04 24.14063	14 36 23.26	-12 49 31.0		3	809
1992 HA5		1992 04 25.10035	14 35 39.52	-12 46 16.3		3	809
1992 HA5		1992 04 25.11076	14 35 39.07	-12 46 14.7		3	809
1992 HA5		1992 05 01.24548	14 30 54.13	-12 25 12.4		3	809
1992 HA5		1992 05 01.25591	14 30 53.65	-12 25 10.1		3	809
1992 HA5		1992 05 01.26632	14 30 53.17	-12 25 07.9		3	809
1992 HB5	*	1992 04 25.01146	13 03 13.48	-11 36 52.1	17.2	3	809
1992 HB5		1992 04 25.02187	13 03 12.93	-11 36 50.1		3	809
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1992 HB5		1992 05 01.02465	12 58 07.24	-11 16 26.8		3	809
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1992 HC5	*	1992 04 25.03438	13 50 23.39	-11 38 04.0	17.2	3	809
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1992 HC5		1992 04 25.05521	13 50 22.20	-11 38 02.2		3	809
1992 HC5		1992 05 01.15590	13 44 46.74	-11 29 56.4		3	809
1992 HC5		1992 05 01.16632	13 44 46.18	-11 29 55.3		3	809
1992 HC5		1992 05 01.17673	13 44 45.63	-11 29 54.5		3	809
1992 HD5		1992 04 06.26806	14 36 41.96	-12 22 23.5	18.6	4	809
1992 HD5		1992 04 06.28125	14 36 41.43	-12 22 24.1		4	809
1992 HD5		1992 04 06.29444	14 36 40.82	-12 22 24.3		4	809
1992 HD5	*	1992 04 25.06771	14 21 10.34	-12 21 21.6	17.8	3	809
1992 HD5		1992 04 25.07813	14 21 09.78	-12 21 21.4		3	809
1992 HD5		1992 04 25.08854	14 21 09.23	-12 21 21.2		3	809
1992 HD5		1992 05 01.21042	14 15 38.47	-12 20 00.2		3	809
1992 HD5		1992 05 01.21736	14 15 38.06	-12 20 00.2		3	809
1992 HD5		1992 05 01.22430	14 15 37.66	-12 19 59.9		3	809
1992 HD5		1992 05 02.13021	14 14 49.10	-12 19 50.7		3	809
1992 HD5		1992 05 02.14063	14 14 48.53	-12 19 50.5		3	809
1992 HD5		1992 05 02.15104	14 14 47.98	-12 19 50.3		3	809
1992 HD5		1992 05 02.22743	14 14 43.71	-12 19 47.0		3	809
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1992 HD5		1992 05 03.26632	14 13 47.78	-12 19 36.4		3	809
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1992 HE5		1992 05 08.03334	14 23 25.57	-11 42 51.0		3	809
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1992 HG5		1992 04 24.04063	13 01 58.41	-10 12 44.7		3 809
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1992 HG5		1992 05 01.03507	12 55 54.41	-10 21 45.2		3 809
1992 HG5		1992 05 01.99548	12 55 08.38	-10 23 07.7		3 809
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1992 HH5	*	1992 04 24.03021	13 02 32.88	-11 16 50.0	17.4	3 809
1992 HH5		1992 04 24.04063	13 02 32.29	-11 16 47.5		3 809
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1992 HH5		1992 04 25.01146	13 01 39.38	-11 12 54.6		3 809
1992 HH5		1992 04 25.02187	13 01 38.75	-11 12 51.9		3 809
1992 HH5		1992 05 01.01388	12 56 37.83	-10 49 51.2		3 809
1992 HH5		1992 05 01.02465	12 56 37.30	-10 49 48.7		3 809
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1992 HH5		1992 05 01.99548	12 55 53.44	-10 46 19.7		3 809
1992 HH5		1992 05 02.00591	12 55 52.96	-10 46 17.6		3 809
1992 HH5		1992 05 02.01632	12 55 52.48	-10 46 15.9		3 809
1992 HJ5	*	1992 04 24.11979	14 32 17.77	-13 19 12.7	17.3	3 809
1992 HJ5		1992 04 24.13021	14 32 17.21	-13 19 11.1		3 809
1992 HJ5		1992 04 24.14063	14 32 16.64	-13 19 09.2		3 809
1992 HJ5		1992 05 01.24548	14 25 36.39	-13 00 41.7		3 809
1992 HJ5		1992 05 01.25591	14 25 35.78	-13 00 40.3		3 809
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1992 HJ5		1992 05 03.15312	14 23 49.55	-12 55 45.6		3 809
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1992 JJ1	1992 05 10.32048	15 02 48.55	-16 57 03.2	3 809
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1992 JJ1	1992 05 11.24652	15 02 01.61	-16 36 55.0	3 809
1992 JJ1	1992 05 11.25348	15 02 01.26	-16 36 45.9	3 809
1992 JJ1	1992 05 11.26042	15 02 00.90	-16 36 36.7	3 809
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1992 JJ1	1992 05 13.34027	15 00 16.39	-15 51 31.0	3 809
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1992 JK1	1992 05 08.11806	15 05 00.61	-17 09 46.1	3 809
1992 JK1	1992 05 08.29340	15 04 51.81	-17 08 19.5	3 809
1992 JK1	1992 05 08.30382	15 04 51.31	-17 08 14.4	3 809
1992 JK1	1992 05 08.31424	15 04 50.80	-17 08 09.4	3 809
1992 JK1	1992 05 10.32048	15 03 15.15	-16 51 53.3	3 809
1992 JK1	1992 05 10.32951	15 03 14.68	-16 51 48.9	3 809
1992 JK1	1992 05 11.24652	15 02 31.06	-16 44 22.1	3 809
1992 JK1	1992 05 11.25348	15 02 30.73	-16 44 18.1	3 809
1992 JK1	1992 05 11.26042	15 02 30.40	-16 44 14.6	3 809
1992 JK1	1992 05 11.27118	15 02 29.88	-16 44 10.4	3 809
1992 JK1	1992 05 11.28160	15 02 29.41	-16 44 05.4	3 809
1992 JK1	1992 05 11.29201	15 02 28.92	-16 44 00.2	3 809
1992 JK1	1992 05 12.14133	15 01 48.57	-16 37 07.8	3 809
1992 JK1	1992 05 12.14827	15 01 48.22	-16 37 04.5	3 809
1992 JL1	1992 05 11.30521	15 15 29.97	-20 07 33.0	3 809
1992 JL1	1992 05 11.31563	15 15 29.36	-20 07 31.5	3 809
1992 JL1	1992 05 11.32603	15 15 28.76	-20 07 29.8	3 809
1992 JL1	1992 05 13.35695	15 13 35.20	-20 02 44.7	3 809
1992 JL1	1992 05 13.36389	15 13 34.80	-20 02 43.3	3 809
1992 JL1	1992 05 13.37083	15 13 34.40	-20 02 41.8	3 809
1992 JQ1	* 1992 05 01.18750	14 00 58.08	-19 57 02.3	17.5 3 809
1992 JQ1	1992 05 01.19444	14 00 57.73	-19 57 00.8	3 809
1992 JQ1	1992 05 01.20139	14 00 57.39	-19 56 59.4	3 809
1992 JQ1	1992 05 02.09688	14 00 12.65	-19 54 06.2	3 809
1992 JQ1	1992 05 02.10729	14 00 12.13	-19 54 04.1	3 809
1992 JQ1	1992 05 02.11771	14 00 11.60	-19 54 02.4	3 809
1992 JR1	* 1992 05 01.21042	14 19 50.57	-11 43 48.5	17.7 3 809
1992 JR1	1992 05 01.21736	14 19 50.06	-11 43 49.8	3 809
1992 JR1	1992 05 01.22430	14 19 49.54	-11 43 50.6	3 809
1992 JR1	1992 05 02.13021	14 18 43.64	-11 46 29.6	3 809
1992 JR1	1992 05 02.14063	14 18 42.88	-11 46 31.2	3 809
1992 JR1	1992 05 02.15104	14 18 42.12	-11 46 33.1	3 809
1992 JS1	* 1992 05 01.28229	15 27 51.84	-22 04 21.4	16.8 3 809
1992 JS1	1992 05 01.29132	15 27 51.30	-22 04 20.6	3 809
1992 JS1	1992 05 01.30035	15 27 50.79	-22 04 19.9	3 809
1992 JS1	1992 05 07.15799	15 22 18.13	-21 54 31.4	3 809
1992 JS1	1992 05 07.16840	15 22 17.53	-21 54 30.3	3 809
1992 JS1	1992 05 07.17882	15 22 16.95	-21 54 28.8	3 809
1992 JS1	1992 05 12.11008	15 17 25.05	-21 43 44.7	3 809

1992 JS1		1992 05 12.12048	15 17 24.46	-21 43 43.8		3	809
1992 JT1	*	1992 05 01.34479	15 21 43.09	-18 45 40.7	16.9	3	809
1992 JT1		1992 05 01.35382	15 21 42.55	-18 45 40.1		3	809
1992 JT1		1992 05 01.36285	15 21 41.98	-18 45 39.7		3	809
1992 JT1		1992 05 02.19271	15 20 51.60	-18 45 00.5		3	809
1992 JT1		1992 05 02.20313	15 20 50.97	-18 44 59.7		3	809
1992 JT1		1992 05 02.21354	15 20 50.33	-18 44 59.3		3	809
1992 JT1		1992 05 03.28924	15 19 43.70	-18 44 00.9		3	809
1992 JT1		1992 05 03.29965	15 19 43.06	-18 44 00.4		3	809
1992 JT1		1992 05 03.31007	15 19 42.41	-18 44 00.1		3	809
1992 JU1	*	1992 05 01.34479	15 22 00.97	-19 26 07.9	16.7	3	809
1992 JU1		1992 05 01.35382	15 22 00.44	-19 26 03.8		3	809
1992 JU1		1992 05 01.36285	15 21 59.91	-19 25 59.9		3	809
1992 JU1		1992 05 02.19271	15 21 10.76	-19 20 13.2		3	809
1992 JU1		1992 05 02.20313	15 21 10.14	-19 20 08.9		3	809
1992 JU1		1992 05 02.21354	15 21 09.50	-19 20 04.5		3	809
1992 JU1		1992 05 03.28924	15 20 04.70	-19 12 31.1		3	809
1992 JU1		1992 05 03.29965	15 20 04.09	-19 12 26.7		3	809
1992 JU1		1992 05 03.31007	15 20 03.47	-19 12 22.8		3	809
1992 JV1	*	1992 05 02.06285	13 52 10.91	-14 19 29.0	16.8	3	809
1992 JV1		1992 05 02.07327	13 52 10.37	-14 19 27.2		3	809
1992 JV1		1992 05 02.08368	13 52 09.80	-14 19 25.3		3	809
1992 JV1		1992 05 03.03993	13 51 19.62	-14 16 50.3		3	809
1992 JV1		1992 05 03.05035	13 51 19.07	-14 16 48.6		3	809
1992 JV1		1992 05 03.06076	13 51 18.53	-14 16 46.9		3	809
1992 JV1		1992 05 04.04965	13 50 27.27	-14 14 08.8		3	809
1992 JV1		1992 05 04.06007	13 50 26.74	-14 14 07.0		3	809
1992 JV1		1992 05 04.07049	13 50 26.18	-14 14 05.4		3	809
1992 JV1		1992 05 04.08368	13 50 26.03	-14 14 05.2		3	809
1992 JV1		1992 05 04.09410	13 50 25.52	-14 14 03.7		3	809
1992 JV1		1992 05 04.10452	13 50 24.98	-14 14 02.1		3	809
1992 JW1	*	1992 05 02.06285	13 54 50.59	-15 48 18.6	17.5	3	809
1992 JW1		1992 05 02.07327	13 54 50.06	-15 48 15.5		3	809
1992 JW1		1992 05 02.08368	13 54 49.52	-15 48 12.2		3	809
1992 JW1		1992 05 03.03993	13 54 00.79	-15 43 24.3		3	809
1992 JW1		1992 05 03.05035	13 54 00.27	-15 43 21.5		3	809
1992 JW1		1992 05 03.06076	13 53 59.75	-15 43 18.5		3	809
1992 JW1		1992 05 04.08368	13 53 07.97	-15 38 09.7		3	809
1992 JW1		1992 05 04.09410	13 53 07.45	-15 38 06.6		3	809
1992 JW1		1992 05 04.10452	13 53 06.93	-15 38 03.1		3	809
1992 JX1	*	1992 05 02.19271	15 16 31.64	-19 05 48.3	16.9	3	809
1992 JX1		1992 05 02.20313	15 16 30.96	-19 05 47.7		3	809
1992 JX1		1992 05 02.21354	15 16 30.32	-19 05 47.2		3	809
1992 JX1		1992 05 03.28924	15 15 22.25	-19 04 48.3		3	809
1992 JX1		1992 05 03.29965	15 15 21.58	-19 04 47.7		3	809
1992 JX1		1992 05 03.31007	15 15 20.92	-19 04 47.1		3	809
1992 JY1	*	1992 05 02.19271	15 16 35.29	-19 42 49.9	17.1	3	809
1992 JY1		1992 05 02.20313	15 16 34.61	-19 42 49.6		3	809
1992 JY1		1992 05 02.21354	15 16 33.92	-19 42 49.5		3	809
1992 JY1		1992 05 03.28924	15 15 24.59	-19 42 36.2		3	809
1992 JY1		1992 05 03.29965	15 15 23.90	-19 42 36.0		3	809
1992 JY1		1992 05 03.31007	15 15 23.24	-19 42 35.5		3	809
1992 JZ1	*	1992 05 02.19271	15 17 24.63	-20 15 39.4	17.0	3	809
1992 JZ1		1992 05 02.20313	15 17 24.05	-20 15 38.9		3	809
1992 JZ1		1992 05 02.21354	15 17 23.46	-20 15 38.4		3	809
1992 JZ1		1992 05 03.28924	15 16 23.03	-20 14 25.3		3	809
1992 JZ1		1992 05 03.29965	15 16 22.43	-20 14 24.7		3	809
1992 JZ1		1992 05 03.31007	15 16 21.85	-20 14 23.9		3	809
1992 JA2	*	1992 05 02.19271	15 18 45.31	-19 44 12.1	16.9	3	809

1992 JA2		1992 05 02.20313	15 18 44.78	-19 44 11.9		3 809
1992 JA2		1992 05 02.21354	15 18 44.25	-19 44 11.7		3 809
1992 JA2		1992 05 03.28924	15 17 48.88	-19 43 43.1		3 809
1992 JA2		1992 05 03.29965	15 17 48.36	-19 43 42.8		3 809
1992 JA2		1992 05 03.31007	15 17 47.80	-19 43 42.5		3 809
1992 JA2		1992 05 11.30521	15 10 45.72	-19 38 40.0		3 809
1992 JA2		1992 05 11.31563	15 10 45.16	-19 38 39.8		3 809
1992 JA2		1992 05 11.32603	15 10 44.62	-19 38 39.3		3 809
1992 JA2		1992 05 12.31805	15 09 52.15	-19 37 53.5		3 809
1992 JA2		1992 05 12.32500	15 09 51.80	-19 37 53.2		3 809
1992 JA2		1992 05 12.33194	15 09 51.43	-19 37 53.1		3 809
1992 JB2	*	1992 05 02.22743	14 17 21.38	-13 42 58.2	16.8	3 809
1992 JB2		1992 05 02.23785	14 17 20.90	-13 42 53.3		3 809
1992 JB2		1992 05 02.24826	14 17 20.42	-13 42 48.2		3 809
1992 JB2		1992 05 03.22188	14 16 32.65	-13 34 57.5		3 809
1992 JB2		1992 05 03.23229	14 16 32.14	-13 34 52.7		3 809
1992 JB2		1992 05 03.24271	14 16 31.65	-13 34 47.4		3 809
1992 JC2	*	1992 05 02.22743	14 18 38.65	-13 42 16.0	16.9	3 809
1992 JC2		1992 05 02.23785	14 18 38.07	-13 42 12.3		3 809
1992 JC2		1992 05 02.24826	14 18 37.49	-13 42 08.3		3 809
1992 JC2		1992 05 03.22188	14 17 43.48	-13 35 45.0		3 809
1992 JC2		1992 05 03.23229	14 17 42.90	-13 35 40.7		3 809
1992 JC2		1992 05 03.24271	14 17 42.32	-13 35 36.7		3 809
1992 JD2	*	1992 05 02.22743	14 21 31.30	-13 53 16.1	17.5	3 809
1992 JD2		1992 05 02.23785	14 21 30.69	-13 53 13.9		3 809
1992 JD2		1992 05 02.24826	14 21 30.07	-13 53 11.3		3 809
1992 JD2		1992 05 03.22188	14 20 31.98	-13 49 22.5		3 809
1992 JD2		1992 05 03.23229	14 20 31.35	-13 49 20.0		3 809
1992 JD2		1992 05 03.24271	14 20 30.74	-13 49 17.7		3 809
1992 JE2	*	1992 05 03.00660	13 39 48.90	-16 11 54.7	16.6	3 809
1992 JE2		1992 05 03.01701	13 39 48.41	-16 11 51.5		3 809
1992 JE2		1992 05 03.02743	13 39 47.91	-16 11 48.6		3 809
1992 JE2		1992 05 04.01701	13 39 01.36	-16 06 34.7		3 809
1992 JE2		1992 05 04.02743	13 39 00.87	-16 06 31.4		3 809
1992 JE2		1992 05 04.03785	13 39 00.39	-16 06 28.1		3 809
1992 JF2	*	1992 05 03.03993	13 51 18.13	-16 14 57.3	17.0	3 809
1992 JF2		1992 05 03.05035	13 51 17.60	-16 14 53.0		3 809
1992 JF2		1992 05 03.06076	13 51 17.06	-16 14 49.2		3 809
1992 JF2		1992 05 04.08368	13 50 25.25	-16 07 52.3		3 809
1992 JF2		1992 05 04.09410	13 50 24.72	-16 07 48.4		3 809
1992 JF2		1992 05 04.10452	13 50 24.20	-16 07 44.3		3 809
1992 JG2	*	1992 05 03.07257	13 49 09.51	-13 41 41.7	17.1	3 809
1992 JG2		1992 05 03.08298	13 49 08.99	-13 41 39.2		3 809
1992 JG2		1992 05 03.09340	13 49 08.43	-13 41 36.7		3 809
1992 JG2		1992 05 04.04965	13 48 18.45	-13 38 07.4		3 809
1992 JG2		1992 05 04.06007	13 48 17.90	-13 38 04.9		3 809
1992 JG2		1992 05 04.07049	13 48 17.34	-13 38 02.6		3 809
1992 JH2	*	1992 05 03.07257	13 50 10.29	-12 57 02.6	17.6	3 809
1992 JH2		1992 05 03.08298	13 50 09.87	-12 56 58.9		3 809
1992 JH2		1992 05 03.09340	13 50 09.40	-12 56 55.0		3 809
1992 JH2		1992 05 04.04965	13 49 29.66	-12 50 44.1		3 809
1992 JH2		1992 05 04.06007	13 49 29.23	-12 50 40.2		3 809
1992 JH2		1992 05 04.07049	13 49 28.80	-12 50 35.8		3 809
1992 JJ2	*	1992 05 03.15312	14 24 33.37	-11 29 16.6	17.0	3 809
1992 JJ2		1992 05 03.16354	14 24 32.77	-11 29 15.6		3 809
1992 JJ2		1992 05 03.17396	14 24 32.16	-11 29 14.6		3 809
1992 JJ2		1992 05 04.11771	14 23 36.75	-11 27 33.5		3 809
1992 JJ2		1992 05 04.12813	14 23 36.17	-11 27 32.4		3 809
1992 JJ2		1992 05 04.13854	14 23 35.58	-11 27 31.7		3 809

1992 JK2	*	1992 05 04.01701	13 36 49.68	-14 50 21.4	16.8	3 809
1992 JK2		1992 05 04.02743	13 36 49.21	-14 50 18.2		3 809
1992 JK2		1992 05 04.03785	13 36 48.74	-14 50 15.8		3 809
1992 JK2		1992 05 07.07813	13 34 34.88	-14 36 15.1		3 809
1992 JK2		1992 05 07.08855	13 34 34.43	-14 36 11.7		3 809
1992 JK2		1992 05 07.09895	13 34 33.95	-14 36 09.0		3 809
1992 JL2	*	1992 05 04.01701	13 38 37.40	-14 53 18.1	17.4	3 809
1992 JL2		1992 05 04.02743	13 38 36.88	-14 53 13.4		3 809
1992 JL2		1992 05 04.03785	13 38 36.40	-14 53 08.2		3 809
1992 JL2		1992 05 07.07813	13 36 11.61	-14 28 39.1		3 809
1992 JL2		1992 05 07.08855	13 36 11.09	-14 28 33.7		3 809
1992 JL2		1992 05 07.09895	13 36 10.60	-14 28 28.9		3 809
1992 JM2	*	1992 05 04.15451	15 06 21.56	-19 09 36.5	17.0	3 809
1992 JM2		1992 05 04.16493	15 06 21.07	-19 09 37.6		3 809
1992 JM2		1992 05 04.17535	15 06 20.58	-19 09 39.4		3 809
1992 JM2		1992 05 12.34166	14 59 46.26	-19 30 02.6		3 809
1992 JM2		1992 05 12.34862	14 59 45.94	-19 30 03.6		3 809
1992 JM2		1992 05 12.35556	14 59 45.62	-19 30 04.8		3 809
1992 JN2	*	1992 05 04.15451	15 07 10.20	-19 21 29.1	17.5	3 809
1992 JN2		1992 05 04.16493	15 07 09.70	-19 21 23.3		3 809
1992 JN2		1992 05 04.17535	15 07 09.16	-19 21 17.4		3 809
1992 JN2		1992 05 10.30035	15 02 05.02	-18 25 14.0		3 809
1992 JN2		1992 05 10.30937	15 02 04.61	-18 25 09.2		3 809
1992 JO2	*	1992 05 04.23715	13 47 39.47	-08 17 11.3	17.3	3 809
1992 JO2		1992 05 04.24757	13 47 39.07	-08 17 09.2		3 809
1992 JO2		1992 05 04.25799	13 47 38.66	-08 17 07.1		3 809
1992 JO2		1992 05 08.22395	13 45 03.61	-08 03 19.3		3 809
1992 JO2		1992 05 08.23438	13 45 03.21	-08 03 17.3		3 809
1992 JO2		1992 05 08.24480	13 45 02.82	-08 03 14.8		3 809
1992 JP2	*	1992 05 04.23715	13 50 46.81	-08 20 54.0	17.5	3 809
1992 JP2		1992 05 04.24757	13 50 46.44	-08 20 52.6		3 809
1992 JP2		1992 05 04.25799	13 50 46.08	-08 20 51.1		3 809
1992 JP2		1992 05 08.22395	13 48 26.53	-08 10 22.4		3 809
1992 JP2		1992 05 08.23438	13 48 26.14	-08 10 20.5		3 809
1992 JP2		1992 05 08.24480	13 48 25.76	-08 10 19.0		3 809
1992 JQ2	*	1992 05 04.23715	13 51 53.39	-08 05 09.1	17.5	3 809
1992 JQ2		1992 05 04.24757	13 51 52.87	-08 05 06.2		3 809
1992 JQ2		1992 05 04.25799	13 51 52.35	-08 05 03.5		3 809
1992 JQ2		1992 05 08.22395	13 48 34.51	-07 47 26.9		3 809
1992 JQ2		1992 05 08.23438	13 48 33.99	-07 47 24.3		3 809
1992 JQ2		1992 05 08.24480	13 48 33.48	-07 47 21.3		3 809
1992 JR2	*	1992 05 04.23715	13 55 03.77	-08 19 35.7	17.2	3 809
1992 JR2		1992 05 04.24757	13 55 03.10	-08 19 34.0		3 809
1992 JR2		1992 05 04.25799	13 55 02.41	-08 19 32.4		3 809
1992 JR2		1992 05 08.22395	13 50 37.81	-08 08 45.7		3 809
1992 JR2		1992 05 08.23438	13 50 37.12	-08 08 43.8		3 809
1992 JR2		1992 05 08.24480	13 50 36.43	-08 08 41.6		3 809
1992 JS2	*	1992 05 04.27049	13 49 11.92	-10 36 04.9	16.8	3 809
1992 JS2		1992 05 04.28090	13 49 11.45	-10 35 59.1		3 809
1992 JS2		1992 05 04.29132	13 49 10.97	-10 35 53.1		3 809
1992 JS2		1992 05 06.29063	13 47 45.23	-10 16 35.4		3 809
1992 JS2		1992 05 06.30104	13 47 44.78	-10 16 29.3		3 809
1992 JS2		1992 05 06.31146	13 47 44.32	-10 16 23.1		3 809
1992 JS2		1992 05 08.25868	13 46 24.47	-09 57 52.1		3 809
1992 JS2		1992 05 08.26910	13 46 24.05	-09 57 46.2		3 809
1992 JS2		1992 05 08.27951	13 46 23.62	-09 57 40.4		3 809
1992 JS2		1992 05 10.24480	13 45 06.86	-09 39 34.0		3 809
1992 JS2		1992 05 10.25381	13 45 06.51	-09 39 29.1		3 809
1992 JS2		1992 05 10.26285	13 45 06.14	-09 39 24.1		3 809

1992 JT2	*	1992 05 04.30451	15 28 07.18	-16 23 30.6	17.5	3 809
1992 JT2		1992 05 04.31493	15 28 06.60	-16 23 31.0		3 809
1992 JT2		1992 05 04.32535	15 28 06.02	-16 23 31.1		3 809
1992 JT2		1992 05 07.12257	15 25 29.98	-16 23 42.9		3 809
1992 JT2		1992 05 07.13298	15 25 29.38	-16 23 43.0		3 809
1992 JT2		1992 05 07.14340	15 25 28.83	-16 23 43.3		3 809
1992 JT2		1992 05 08.13368	15 24 32.62	-16 23 47.6		3 809
1992 JT2		1992 05 08.14410	15 24 32.02	-16 23 47.6		3 809
1992 JT2		1992 05 08.15451	15 24 31.40	-16 23 48.1		3 809
1992 JU2	*	1992 05 04.30451	15 29 15.69	-15 57 36.8	17.5	3 809
1992 JU2		1992 05 04.31493	15 29 15.05	-15 57 32.2		3 809
1992 JU2		1992 05 04.32535	15 29 14.41	-15 57 27.7		3 809
1992 JU2		1992 05 07.12257	15 26 25.62	-15 38 04.5		3 809
1992 JU2		1992 05 07.13298	15 26 25.00	-15 38 00.1		3 809
1992 JU2		1992 05 07.14340	15 26 24.35	-15 37 55.9		3 809
1992 JU2		1992 05 08.13368	15 25 23.07	-15 30 59.6		3 809
1992 JU2		1992 05 08.14410	15 25 22.41	-15 30 55.4		3 809
1992 JU2		1992 05 08.15451	15 25 21.76	-15 30 51.2		3 809
1992 JV2	*	1992 05 04.30451	15 30 11.19	-14 58 03.7	17.6	3 809
1992 JV2		1992 05 04.31493	15 30 10.64	-14 58 01.7		3 809
1992 JV2		1992 05 04.32535	15 30 10.12	-14 57 59.9		3 809
1992 JV2		1992 05 08.13368	15 26 48.82	-14 46 45.7		3 809
1992 JV2		1992 05 08.14410	15 26 48.29	-14 46 43.8		3 809
1992 JV2		1992 05 08.15451	15 26 47.75	-14 46 42.1		3 809
1992 JW2	*	1992 05 04.30451	15 30 58.64	-16 24 18.7	17.6	3 809
1992 JW2		1992 05 04.31493	15 30 58.12	-16 24 15.5		3 809
1992 JW2		1992 05 04.32535	15 30 57.60	-16 24 12.1		3 809
1992 JW2		1992 05 07.12257	15 28 40.49	-16 09 50.9		3 809
1992 JW2		1992 05 07.13298	15 28 39.98	-16 09 47.8		3 809
1992 JW2		1992 05 07.14340	15 28 39.46	-16 09 44.7		3 809
1992 JW2		1992 05 08.13368	15 27 50.40	-16 04 36.7		3 809
1992 JW2		1992 05 08.14410	15 27 49.85	-16 04 33.3		3 809
1992 JW2		1992 05 08.15451	15 27 49.34	-16 04 30.4		3 809
1992 JX2	*	1992 05 04.33854	15 27 44.91	-19 27 22.0	17.4	3 809
1992 JX2		1992 05 04.34896	15 27 44.23	-19 27 24.3		3 809
1992 JX2		1992 05 04.35938	15 27 43.54	-19 27 26.7		3 809
1992 JX2		1992 05 11.33923	15 19 51.78	-19 51 49.2		3 809
1992 JX2		1992 05 11.34966	15 19 51.05	-19 51 51.2		3 809
1992 JX2		1992 05 11.36008	15 19 50.35	-19 51 53.0		3 809
1992 JX2		1992 05 12.31805	15 18 44.90	-19 55 01.0		3 809
1992 JX2		1992 05 12.32500	15 18 44.41	-19 55 02.0		3 809
1992 JX2		1992 05 12.33194	15 18 43.93	-19 55 03.5		3 809
1992 JX2		1992 05 13.35695	15 17 33.82	-19 58 19.3		3 809
1992 JX2		1992 05 13.36389	15 17 33.35	-19 58 20.4		3 809
1992 JX2		1992 05 13.37083	15 17 32.88	-19 58 21.5		3 809
1992 JY2	*	1992 05 04.33854	15 34 37.28	-19 05 52.2	17.5	3 809
1992 JY2		1992 05 04.34896	15 34 36.82	-19 05 51.2		3 809
1992 JY2		1992 05 04.35938	15 34 36.36	-19 05 50.5		3 809
1992 JY2		1992 05 07.28090	15 32 29.57	-19 02 29.3		3 809
1992 JY2		1992 05 07.29132	15 32 29.10	-19 02 28.6		3 809
1992 JY2		1992 05 07.30174	15 32 28.64	-19 02 27.8		3 809
1992 JZ2	*	1992 05 04.33854	15 35 11.83	-18 28 57.3	17.7	3 809
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1992 JZ2		1992 05 04.35938	15 35 10.85	-18 28 54.5		3 809
1992 JZ2		1992 05 07.28090	15 32 49.85	-18 22 38.3		3 809
1992 JZ2		1992 05 07.29132	15 32 49.32	-18 22 36.6		3 809
1992 JZ2		1992 05 07.30174	15 32 48.81	-18 22 35.0		3 809
1992 JZ2		1992 05 10.38159	15 30 17.68	-18 15 47.2		3 809
1992 JZ2		1992 05 10.39063	15 30 17.24	-18 15 46.4		3 809

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1992 JA3		1992 05 07.14340	15 29 12.60	-15 05 31.1		3 809
1992 JA3		1992 05 08.13368	15 28 13.46	-15 06 51.5		3 809
1992 JA3		1992 05 08.14410	15 28 12.82	-15 06 52.4		3 809
1992 JA3		1992 05 08.15451	15 28 12.19	-15 06 53.3		3 809
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1992 JB3		1992 05 07.16840	15 28 39.46	-22 08 24.4		3 809
1992 JB3		1992 05 07.17882	15 28 38.89	-22 08 23.4		3 809
1992 JB3		1992 05 10.36147	15 25 48.15	-22 04 27.1		3 809
1992 JB3		1992 05 10.37048	15 25 47.69	-22 04 26.4		3 809
1992 JC3	*	1992 05 07.21077	15 02 47.36	-18 59 45.6	17.5	3 809
1992 JC3		1992 05 07.22118	15 02 46.69	-18 59 45.4		3 809
1992 JC3		1992 05 07.23160	15 02 46.04	-18 59 45.4		3 809
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1992 JC3		1992 05 10.30937	14 59 28.57	-18 58 47.5		3 809
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1992 JD3		1992 05 07.22118	15 02 47.15	-17 04 18.9		3 809
1992 JD3		1992 05 07.23160	15 02 46.47	-17 04 19.3		3 809
1992 JD3		1992 05 08.10417	15 01 49.32	-17 04 51.9		3 809
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1992 JD3		1992 05 08.31424	15 01 34.97	-17 04 57.4		3 809
1992 JD3		1992 05 10.32048	14 59 23.14	-17 06 04.7		3 809
1992 JD3		1992 05 10.32951	14 59 22.50	-17 06 04.8		3 809
1992 JD3		1992 05 11.24652	14 58 22.74	-17 06 37.6		3 809
1992 JD3		1992 05 11.25348	14 58 22.27	-17 06 37.9		3 809
1992 JD3		1992 05 11.26042	14 58 21.79	-17 06 38.1		3 809
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1992 JE3		1992 05 07.22118	15 03 09.95	-18 04 34.3		3 809
1992 JE3		1992 05 07.23160	15 03 09.33	-18 04 33.1		3 809
1992 JE3		1992 05 08.29340	15 02 07.54	-18 02 37.7		3 809
1992 JE3		1992 05 08.30382	15 02 06.94	-18 02 36.6		3 809
1992 JE3		1992 05 08.31424	15 02 06.32	-18 02 35.2		3 809
1992 JE3		1992 05 10.32048	15 00 11.21	-17 58 54.6		3 809
1992 JE3		1992 05 10.32951	15 00 10.67	-17 58 53.7		3 809
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1992 JF3		1992 05 10.12674	15 14 33.71	-21 55 20.3		3 809
1992 JF3		1992 05 10.13715	15 14 33.12	-21 55 18.9		3 809
1992 JF3		1992 05 10.14757	15 14 32.50	-21 55 17.5		3 809
1992 JF3		1992 05 11.14272	15 13 35.85	-21 52 56.2		3 809
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1992 JF3		1992 05 12.15938	15 12 37.74	-21 50 26.8		3 809
1992 JF3		1992 05 12.16978	15 12 37.16	-21 50 25.2		3 809
1992 JF3		1992 05 13.05798	15 11 46.81	-21 48 08.5		3 809
1992 JF3		1992 05 13.06841	15 11 46.22	-21 48 06.7		3 809
1992 JG3	*	1992 05 08.32603	15 02 46.31	-14 08 42.9	17.4	3 809
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1992 JG3		1992 05 10.27744	15 00 49.82	-14 05 06.0		3 809
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1992 JH3		1992 05 11.27118	15 01 26.85	-14 46 35.0		3	809
1992 JH3		1992 05 11.28160	15 01 26.33	-14 46 31.1		3	809
1992 JH3		1992 05 11.29201	15 01 25.81	-14 46 27.4		3	809
1992 JH3		1992 05 12.14133	15 00 43.64	-14 41 24.7		3	809
1992 JH3		1992 05 12.14827	15 00 43.30	-14 41 21.9		3	809
1992 JH3		1992 05 12.29513	15 00 35.46	-14 40 31.0		3	809
1992 JH3		1992 05 12.30208	15 00 35.13	-14 40 28.5		3	809
1992 JH3		1992 05 12.30902	15 00 34.78	-14 40 25.7		3	809
1992 JH3		1992 05 13.33333	14 59 43.61	-14 34 23.9		3	809
1992 JH3		1992 05 13.34027	14 59 43.25	-14 34 21.4		3	809
1992 JH3		1992 05 13.34723	14 59 42.90	-14 34 18.9		3	809
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1992 JJ3		1992 05 08.34688	15 04 49.66	-15 55 28.1		3	809
1992 JJ3		1992 05 11.27118	15 01 16.99	-15 36 15.6		3	809
1992 JJ3		1992 05 11.28160	15 01 16.22	-15 36 11.5		3	809
1992 JJ3		1992 05 11.29201	15 01 15.47	-15 36 07.3		3	809
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1992 JK3		1992 05 10.30937	15 03 15.94	-19 30 57.7		3	809
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1992 JK3		1992 05 12.34862	15 01 31.69	-19 12 20.4		3	809
1992 JK3		1992 05 12.35556	15 01 31.36	-19 12 16.5		3	809
1992 JK3		1992 05 13.02466	15 00 57.98	-19 06 09.3		3	809
1992 JK3		1992 05 13.03506	15 00 57.47	-19 06 04.2		3	809
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1992 JL3		1992 05 11.26042	15 06 06.32	-15 29 51.8		3	809
1992 JL3		1992 05 11.27118	15 06 06.04	-15 29 48.1		3	809
1992 JL3		1992 05 11.28160	15 06 05.53	-15 29 45.8		3	809
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1992 JL3		1992 05 13.34723	15 04 23.12	-15 21 58.9		3	809
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1992 JM3		1992 05 11.29201	15 01 22.94	-15 35 16.5		3	809
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1992 JO3		1992 05 01.29132	15 27 21.86	-21 41 42.5		3	809
1992 JO3		1992 05 01.30035	15 27 21.35	-21 41 40.6		3	809
1992 JO3		1992 05 07.15799	15 21 49.71	-21 20 31.0		3	809
1992 JO3		1992 05 07.16840	15 21 49.11	-21 20 28.8		3	809
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1992 JO3		1992 05 11.32603	15 17 40.64	-21 03 25.3		3	809
1992 JO3		1992 05 12.31805	15 16 40.54	-20 59 08.1		3	809
1992 JO3		1992 05 12.32500	15 16 40.15	-20 59 06.3		3	809
1992 JO3		1992 05 12.33194	15 16 39.72	-20 59 04.5		3	809

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1992 JP3		1992 05 02.21354	15 21 40.46	-20 00 27.6		3 809
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1992 JP3		1992 05 03.29965	15 20 37.09	-20 02 57.4		3 809
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1992 JR3		1992 05 11.34966	15 19 10.44	-20 30 31.6		3 809
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1992 JS3		1992 05 13.35695	15 15 35.24	-20 54 29.2		3 809
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1992 MD	1992 07 24.25833	21 31 28.15	-14 23 33.6		4 809
1992 MD	1992 07 24.26875	21 31 27.74	-14 23 43.5		4 809
1992 MD	1992 07 26.22083	21 30 21.22	-14 55 55.3	18.0	4 809
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1992 NM	1992 07 21.05000	19 37 15.82	-21 13 15.5		3 809
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1992 ON1	1992 07 30.25833	21 19 46.62	-12 32 24.6		4 809
1992 ON1	1992 07 30.26875	21 19 45.99	-12 32 24.4		4 809
1992 ON1	1992 07 30.27917	21 19 45.32	-12 32 24.4		4 809
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1992 OO1	1992 07 26.22083	21 26 42.86	-12 53 23.9	17.9	4 809
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1992 OO1	1992 07 26.24167	21 26 41.90	-12 53 35.4		4 809
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1992 OO1	1992 07 30.26875	21 23 38.80	-13 32 33.4		4 809
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1992 O01		1992 08 05.28438	21 18 47.32	-14 32 48.7		3	809
1992 O01		1992 08 05.29340	21 18 46.87	-14 32 54.2		3	809
1992 O01		1992 08 05.30243	21 18 46.42	-14 32 59.5		3	809
1992 OQ1		1992 07 24.24792	21 22 25.11	-14 01 41.6		4	809
1992 OQ1		1992 07 24.25833	21 22 24.45	-14 01 42.0		4	809
1992 OQ1		1992 07 24.26875	21 22 23.87	-14 01 41.5		4	809
1992 OQ1	*	1992 07 26.22083	21 20 44.70	-14 01 29.5	18.2	4	809
1992 OQ1		1992 07 26.23125	21 20 44.07	-14 01 29.8		4	809
1992 OQ1		1992 07 26.24167	21 20 43.48	-14 01 29.4		4	809
1992 OQ1		1992 07 30.25833	21 17 06.62	-14 02 05.7		4	809
1992 OQ1		1992 07 30.26875	21 17 05.99	-14 02 05.8		4	809
1992 OQ1		1992 07 30.27917	21 17 05.38	-14 02 06.2		4	809
1992 OQ1		1992 08 04.31215	21 12 18.72	-14 04 08.8	17.2	3	809
1992 OQ1		1992 08 04.32118	21 12 18.18	-14 04 09.0		3	809
1992 OQ1		1992 08 04.33022	21 12 17.66	-14 04 09.3		3	809
1992 OQ1		1992 08 05.25591	21 11 24.21	-14 04 40.2		3	809
1992 OQ1		1992 08 05.26492	21 11 23.70	-14 04 40.4		3	809
1992 OQ1		1992 08 05.27396	21 11 23.19	-14 04 41.0		3	809
1992 OR1	*	1992 07 26.22083	21 21 06.27	-15 21 49.2	19.3	4	809
1992 OR1		1992 07 26.23125	21 21 05.73	-15 21 49.4		4	809
1992 OR1		1992 07 26.24167	21 21 05.12	-15 21 49.8		4	809
1992 OR1		1992 07 30.25833	21 17 39.41	-15 25 40.6		4	809
1992 OR1		1992 07 30.26875	21 17 38.76	-15 25 41.1		4	809
1992 OR1		1992 07 30.27917	21 17 38.18	-15 25 41.3		4	809
1992 OS1	*	1992 07 26.22083	21 21 24.38	-17 04 19.7	18.3	4	809
1992 OS1		1992 07 26.23125	21 21 23.85	-17 04 22.6		4	809
1992 OS1		1992 07 26.24167	21 21 23.33	-17 04 26.9		4	809
1992 OS1		1992 07 30.25833	21 18 15.97	-17 28 29.2		4	809
1992 OS1		1992 07 30.26875	21 18 15.47	-17 28 32.0		4	809
1992 OS1		1992 07 30.27917	21 18 15.00	-17 28 35.6		4	809
1992 OT1	*	1992 07 26.22083	21 21 35.64	-14 01 03.7	18.6	4	809
1992 OT1		1992 07 26.23125	21 21 35.19	-14 01 07.4		4	809
1992 OT1		1992 07 26.24167	21 21 34.63	-14 01 11.4		4	809
1992 OT1		1992 07 30.25833	21 18 29.09	-14 23 45.2		4	809
1992 OT1		1992 07 30.26875	21 18 28.59	-14 23 49.3		4	809
1992 OT1		1992 07 30.27917	21 18 28.10	-14 23 52.1		4	809
1992 OU1	*	1992 07 26.22083	21 22 08.26	-17 14 07.4	18.4	4	809
1992 OU1		1992 07 26.23125	21 22 07.68	-17 14 10.1		4	809
1992 OU1		1992 07 26.24167	21 22 07.22	-17 14 11.6		4	809
1992 OU1		1992 07 30.25833	21 18 58.92	-17 27 24.2		4	809
1992 OU1		1992 07 30.26875	21 18 58.40	-17 27 25.9		4	809
1992 OU1		1992 07 30.27917	21 18 57.89	-17 27 27.8		4	809
1992 OV1		1992 07 24.24792	21 24 23.68	-14 56 49.3		4	809
1992 OV1		1992 07 24.25833	21 24 22.98	-14 56 47.4		4	809
1992 OV1		1992 07 24.26875	21 24 22.33	-14 56 45.0		4	809
1992 OV1	*	1992 07 26.22083	21 22 29.06	-14 48 39.8	19.2	4	809
1992 OV1		1992 07 26.23125	21 22 28.36	-14 48 36.8		4	809
1992 OV1		1992 07 26.24167	21 22 27.72	-14 48 34.8		4	809
1992 OV1		1992 07 30.25833	21 18 22.62	-14 32 17.6		4	809
1992 OV1		1992 07 30.26875	21 18 21.86	-14 32 14.5		4	809
1992 OV1		1992 07 30.27917	21 18 21.18	-14 32 12.3		4	809
1992 OV1		1992 08 04.31215	21 12 59.43	-14 12 18.3	16.5	3	809
1992 OV1		1992 08 04.32118	21 12 58.85	-14 12 16.1		3	809
1992 OV1		1992 08 04.33022	21 12 58.26	-14 12 14.1		3	809
1992 OV1		1992 08 05.25591	21 11 58.18	-14 08 37.7		3	809
1992 OV1		1992 08 05.26492	21 11 57.59	-14 08 35.7		3	809
1992 OV1		1992 08 05.27396	21 11 57.03	-14 08 33.9		3	809

1992 OW1	*	1992 07 26.22083	21 22 45.56	-15 15 42.1	18.6	4 809
1992 OW1		1992 07 26.23125	21 22 45.02	-15 15 48.0		4 809
1992 OW1		1992 07 26.24167	21 22 44.52	-15 15 53.3		4 809
1992 OW1		1992 07 30.25833	21 19 36.04	-15 52 46.7		4 809
1992 OW1		1992 07 30.26875	21 19 35.55	-15 52 51.9		4 809
1992 OW1		1992 07 30.27917	21 19 35.08	-15 52 57.6		4 809
1992 OX1		1992 07 24.24792	21 24 32.62	-13 50 11.0		4 809
1992 OX1		1992 07 24.25833	21 24 32.11	-13 50 18.2		4 809
1992 OX1		1992 07 24.26875	21 24 31.54	-13 50 20.7		4 809
1992 OX1	*	1992 07 26.22083	21 22 59.32	-14 05 36.4	18.1	4 809
1992 OX1		1992 07 26.23125	21 22 58.78	-14 05 41.4		4 809
1992 OX1		1992 07 26.24167	21 22 58.26	-14 05 45.7		4 809
1992 OX1		1992 07 30.25833	21 19 35.55	-14 38 24.3		4 809
1992 OX1		1992 07 30.26875	21 19 34.89	-14 38 29.9		4 809
1992 OX1		1992 07 30.27917	21 19 34.31	-14 38 35.2		4 809
1992 OY1	*	1992 07 26.22083	21 23 05.66	-15 32 41.6	18.7	4 809
1992 OY1		1992 07 26.23125	21 23 05.02	-15 32 43.9		4 809
1992 OY1		1992 07 26.24167	21 23 04.34	-15 32 47.2		4 809
1992 OY1		1992 07 30.25833	21 19 18.12	-15 47 44.5		4 809
1992 OY1		1992 07 30.26875	21 19 17.53	-15 47 46.6		4 809
1992 OY1		1992 07 30.27917	21 19 16.93	-15 47 49.0		4 809
1992 OZ1	*	1992 07 26.22083	21 23 18.98	-12 46 48.6	18.5	4 809
1992 OZ1		1992 07 26.23125	21 23 18.43	-12 46 50.4		4 809
1992 OZ1		1992 07 26.24167	21 23 17.89	-12 46 50.5		4 809
1992 OZ1		1992 07 30.25833	21 19 56.23	-12 53 24.8		4 809
1992 OZ1		1992 07 30.26875	21 19 55.63	-12 53 27.3		4 809
1992 OZ1		1992 07 30.27917	21 19 55.04	-12 53 28.2		4 809
1992 OA2	*	1992 07 26.22083	21 23 22.56	-15 38 38.0	18.7	4 809
1992 OA2		1992 07 26.23125	21 23 21.99	-15 38 41.7		4 809
1992 OA2		1992 07 26.24167	21 23 21.52	-15 38 43.8		4 809
1992 OA2		1992 07 30.25833	21 20 12.14	-15 59 05.4		4 809
1992 OA2		1992 07 30.26875	21 20 11.53	-15 59 09.3		4 809
1992 OA2		1992 07 30.27917	21 20 11.05	-15 59 12.6		4 809
1992 OB2		1992 07 24.24792	21 25 04.84	-14 10 07.0		4 809
1992 OB2		1992 07 24.25833	21 25 04.38	-14 10 09.4		4 809
1992 OB2		1992 07 24.26875	21 25 03.84	-14 10 10.1		4 809
1992 OB2	*	1992 07 26.22083	21 23 40.24	-14 11 27.8	18.6	4 809
1992 OB2		1992 07 26.23125	21 23 39.71	-14 11 27.6		4 809
1992 OB2		1992 07 26.24167	21 23 39.24	-14 11 28.9		4 809
1992 OB2		1992 07 30.25833	21 20 33.76	-14 15 06.5		4 809
1992 OB2		1992 07 30.26875	21 20 33.20	-14 15 07.4		4 809
1992 OB2		1992 07 30.27917	21 20 32.62	-14 15 08.1		4 809
1992 OC2	*	1992 07 26.22083	21 24 09.82	-16 36 41.6	18.6	4 809
1992 OC2		1992 07 26.23125	21 24 09.19	-16 36 42.8		4 809
1992 OC2		1992 07 26.24167	21 24 08.53	-16 36 44.7		4 809
1992 OC2		1992 07 30.25833	21 20 16.34	-16 46 53.3		4 809
1992 OC2		1992 07 30.26875	21 20 15.77	-16 46 54.5		4 809
1992 OC2		1992 07 30.27917	21 20 15.18	-16 46 55.4		4 809
1992 OD2	*	1992 07 26.22083	21 24 24.33	-12 51 13.8	18.6	4 809
1992 OD2		1992 07 26.23125	21 24 23.81	-12 51 15.1		4 809
1992 OD2		1992 07 26.24167	21 24 23.37	-12 51 15.6		4 809
1992 OD2		1992 07 30.25833	21 21 10.91	-12 54 04.2		4 809
1992 OD2		1992 07 30.26875	21 21 10.34	-12 54 04.8		4 809
1992 OD2		1992 07 30.27917	21 21 09.75	-12 54 05.0		4 809
1992 OE2	*	1992 07 26.22083	21 24 47.64	-13 01 01.4	18.4	4 809
1992 OE2		1992 07 26.23125	21 24 47.03	-13 01 02.9		4 809
1992 OE2		1992 07 26.24167	21 24 46.43	-13 01 05.2		4 809
1992 OE2		1992 07 30.25833	21 20 55.62	-13 14 06.1		4 809
1992 OE2		1992 07 30.26875	21 20 54.99	-13 14 08.5		4 809

1992 OE2		1992 07 30.27917	21 20 54.34	-13 14 10.1		4	809
1992 OF2		1992 07 24.24792	21 27 40.55	-15 40 35.9		4	809
1992 OF2		1992 07 24.25833	21 27 39.90	-15 40 35.9		4	809
1992 OF2		1992 07 24.26875	21 27 39.32	-15 40 36.2		4	809
1992 OF2	*	1992 07 26.22083	21 25 57.52	-15 40 09.9	18.4	4	809
1992 OF2		1992 07 26.23125	21 25 56.90	-15 40 09.0		4	809
1992 OF2		1992 07 26.24167	21 25 56.33	-15 40 09.4		4	809
1992 OF2		1992 07 30.25833	21 22 11.76	-15 39 48.8		4	809
1992 OF2		1992 07 30.26875	21 22 11.12	-15 39 49.6		4	809
1992 OF2		1992 07 30.27917	21 22 10.49	-15 39 50.1		4	809
1992 OG2		1992 07 24.24792	21 28 01.14	-15 16 06.5		4	809
1992 OG2		1992 07 24.25833	21 28 00.59	-15 16 11.5		4	809
1992 OG2		1992 07 24.26875	21 28 00.06	-15 16 14.9		4	809
1992 OG2	*	1992 07 26.22083	21 26 33.87	-15 27 17.4	18.2	4	809
1992 OG2		1992 07 26.23125	21 26 33.35	-15 27 20.8		4	809
1992 OG2		1992 07 26.24167	21 26 32.83	-15 27 24.7		4	809
1992 OG2		1992 07 30.25833	21 23 24.47	-15 50 56.5		4	809
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1992 OH2		1992 07 24.24792	21 28 01.30	-13 45 02.6		4	809
1992 OH2		1992 07 24.25833	21 28 00.88	-13 45 09.1		4	809
1992 OH2		1992 07 24.26875	21 28 00.41	-13 45 15.0		4	809
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1992 OH2		1992 07 26.23125	21 26 47.52	-14 03 27.9		4	809
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1992 OH2		1992 07 30.25833	21 24 09.92	-14 41 37.7		4	809
1992 OH2		1992 07 30.26875	21 24 09.44	-14 41 43.4		4	809
1992 OH2		1992 07 30.27917	21 24 09.00	-14 41 49.3		4	809
1992 OJ2	*	1992 07 26.22083	21 26 57.05	-15 58 20.9	18.6	4	809
1992 OJ2		1992 07 26.23125	21 26 56.55	-15 58 21.6		4	809
1992 OJ2		1992 07 26.24167	21 26 55.96	-15 58 24.0		4	809
1992 OJ2		1992 07 30.25833	21 23 39.19	-16 07 57.1		4	809
1992 OJ2		1992 07 30.26875	21 23 38.61	-16 07 57.8		4	809
1992 OJ2		1992 07 30.27917	21 23 38.02	-16 07 59.8		4	809
1992 OK2		1992 07 24.24792	21 28 56.63	-15 50 46.9		4	809
1992 OK2		1992 07 24.25833	21 28 55.94	-15 50 43.8		4	809
1992 OK2		1992 07 24.26875	21 28 55.34	-15 50 40.3		4	809
1992 OK2	*	1992 07 26.22083	21 27 09.21	-15 38 46.0	18.1	4	809
1992 OK2		1992 07 26.23125	21 27 08.63	-15 38 42.6		4	809
1992 OK2		1992 07 26.24167	21 27 08.01	-15 38 38.9		4	809
1992 OK2		1992 07 30.25833	21 23 16.46	-15 14 21.6		4	809
1992 OK2		1992 07 30.26875	21 23 15.79	-15 14 18.2		4	809
1992 OK2		1992 07 30.27917	21 23 15.13	-15 14 14.6		4	809
1992 OK2		1992 08 04.31215	21 18 08.52	-14 44 01.9	17.3	3	809
1992 OK2		1992 08 04.32118	21 18 07.95	-14 43 58.9		3	809
1992 OK2		1992 08 04.33022	21 18 07.38	-14 43 55.8		3	809
1992 OK2		1992 08 05.25591	21 17 09.96	-14 38 23.3		3	809
1992 OK2		1992 08 05.26492	21 17 09.42	-14 38 20.3		3	809
1992 OK2		1992 08 05.27396	21 17 08.89	-14 38 17.1		3	809
1992 OL2	*	1992 07 26.22083	21 27 12.63	-15 49 56.6	18.3	4	809
1992 OL2		1992 07 26.23125	21 27 12.14	-15 49 58.6		4	809
1992 OL2		1992 07 26.24167	21 27 11.69	-15 50 01.0		4	809
1992 OL2		1992 07 30.25833	21 24 18.88	-16 03 55.2		4	809
1992 OL2		1992 07 30.26875	21 24 18.34	-16 03 57.4		4	809
1992 OL2		1992 07 30.27917	21 24 17.80	-16 03 59.4		4	809
1992 OM2	*	1992 07 26.22083	21 27 26.09	-14 21 57.6	18.6	4	809
1992 OM2		1992 07 26.23125	21 27 25.47	-14 22 01.1		4	809
1992 OM2		1992 07 26.24167	21 27 25.06	-14 22 04.3		4	809
1992 OM2		1992 07 30.25833	21 24 13.98	-14 45 27.2		4	809

1992 OM2		1992 07 30.26875	21 24 13.36	-14 45 31.3		4	809
1992 OM2		1992 07 30.27917	21 24 12.83	-14 45 34.6		4	809
1992 OM2		1992 08 04.34062	21 19 50.32	-15 16 51.6	17.4	3	809
1992 OM2		1992 08 04.34966	21 19 49.84	-15 16 55.1		3	809
1992 OM2		1992 08 04.35867	21 19 49.37	-15 16 58.5		3	809
1992 OM2		1992 08 05.28438	21 18 59.57	-15 22 50.6		3	809
1992 OM2		1992 08 05.29340	21 18 59.08	-15 22 53.8		3	809
1992 OM2		1992 08 05.30243	21 18 58.57	-15 22 57.5		3	809
1992 ON2	*	1992 07 26.22083	21 28 21.77	-14 27 48.4	18.6	4	809
1992 ON2		1992 07 26.23125	21 28 21.07	-14 27 51.3		4	809
1992 ON2		1992 07 26.24167	21 28 20.52	-14 27 54.2		4	809
1992 ON2		1992 07 30.25833	21 24 21.55	-14 42 11.9		4	809
1992 ON2		1992 07 30.26875	21 24 20.90	-14 42 13.8		4	809
1992 ON2		1992 07 30.27917	21 24 20.25	-14 42 15.4		4	809
1992 OO2	*	1992 07 26.22083	21 28 28.00	-13 43 09.1	18.7	4	809
1992 OO2		1992 07 26.23125	21 28 27.41	-13 43 12.7		4	809
1992 OO2		1992 07 26.24167	21 28 26.88	-13 43 16.3		4	809
1992 OO2		1992 07 30.25833	21 24 49.92	-14 02 55.7		4	809
1992 OO2		1992 07 30.26875	21 24 49.35	-14 02 58.6		4	809
1992 OO2		1992 07 30.27917	21 24 48.69	-14 03 01.4		4	809
1992 OP2	*	1992 07 26.22083	21 29 28.93	-16 00 01.3	18.5	4	809
1992 OP2		1992 07 26.23125	21 29 28.40	-16 00 06.2		4	809
1992 OP2		1992 07 26.24167	21 29 27.86	-16 00 09.8		4	809
1992 OP2		1992 07 30.25833	21 26 20.24	-16 27 10.2		4	809
1992 OP2		1992 07 30.26875	21 26 19.69	-16 27 13.9		4	809
1992 OP2		1992 07 30.27917	21 26 19.13	-16 27 18.3		4	809
1992 OQ2	*	1992 07 26.22083	21 29 36.81	-12 42 25.7	18.6	4	809
1992 OQ2		1992 07 26.23125	21 29 36.23	-12 42 25.9		4	809
1992 OQ2		1992 07 26.24167	21 29 35.74	-12 42 26.8		4	809
1992 OQ2		1992 07 30.25833	21 26 24.71	-12 47 38.1		4	809
1992 OQ2		1992 07 30.26875	21 26 24.16	-12 47 38.1		4	809
1992 OQ2		1992 07 30.27917	21 26 23.56	-12 47 40.5		4	809
1992 OR2	*	1992 07 26.22083	21 29 39.60	-16 29 31.2	18.7	4	809
1992 OR2		1992 07 26.23125	21 29 39.18	-16 29 33.3		4	809
1992 OR2		1992 07 26.24167	21 29 38.69	-16 29 34.3		4	809
1992 OR2		1992 07 30.25833	21 26 26.58	-16 42 34.4		4	809
1992 OR2		1992 07 30.26875	21 26 25.96	-16 42 36.8		4	809
1992 OR2		1992 07 30.27917	21 26 25.40	-16 42 38.7		4	809
1992 OS2	*	1992 07 26.22083	21 29 52.87	-15 42 27.7	18.7	4	809
1992 OS2		1992 07 26.23125	21 29 52.44	-15 42 30.5		4	809
1992 OS2		1992 07 26.24167	21 29 51.95	-15 42 33.6		4	809
1992 OS2		1992 07 30.25833	21 26 56.85	-16 01 54.6		4	809
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1992 OS2		1992 07 30.27917	21 26 55.85	-16 02 01.9		4	809
1992 OT2	*	1992 07 26.22083	21 30 11.60	-16 22 40.9	18.5	4	809
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1992 OT2		1992 07 26.24167	21 30 10.76	-16 22 48.8		4	809
1992 OT2		1992 07 30.25833	21 27 25.19	-16 50 49.7		4	809
1992 OT2		1992 07 30.26875	21 27 24.69	-16 50 52.9		4	809
1992 OT2		1992 07 30.27917	21 27 24.26	-16 50 57.7		4	809
1992 OU2	*	1992 07 26.22083	21 30 14.38	-12 33 20.2	18.3	4	809
1992 OU2		1992 07 26.23125	21 30 13.95	-12 33 25.9		4	809
1992 OU2		1992 07 26.24167	21 30 13.57	-12 33 31.4		4	809
1992 OU2		1992 07 30.25833	21 27 40.13	-13 08 27.4		4	809
1992 OU2		1992 07 30.26875	21 27 39.63	-13 08 33.0		4	809
1992 OU2		1992 07 30.27917	21 27 39.12	-13 08 38.7		4	809
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1992 OV2		1992 07 24.25833	21 32 25.04	-15 34 23.3		4	809
1992 OV2		1992 07 24.26875	21 32 24.61	-15 34 27.3		4	809

1992 OV2	*	1992 07 26.22083	21 30 55.62	-15 50 34.1	18.6	4	809
1992 OV2		1992 07 26.23125	21 30 55.03	-15 50 39.3		4	809
1992 OV2		1992 07 26.24167	21 30 54.53	-15 50 44.6		4	809
1992 OV2		1992 07 30.25833	21 27 37.70	-16 24 56.5		4	809
1992 OV2		1992 07 30.26875	21 27 37.10	-16 25 02.0		4	809
1992 OV2		1992 07 30.27917	21 27 36.52	-16 25 06.3		4	809
1992 OW2		1992 07 24.24792	21 34 23.10	-16 54 55.7		4	809
1992 OW2		1992 07 24.25833	21 34 22.48	-16 54 59.0		4	809
1992 OW2		1992 07 24.26875	21 34 21.95	-16 54 59.5		4	809
1992 OW2	*	1992 07 26.22083	21 32 49.71	-17 00 04.4	18.3	4	809
1992 OW2		1992 07 26.23125	21 32 49.21	-17 00 05.8		4	809
1992 OW2		1992 07 26.24167	21 32 48.65	-17 00 07.4		4	809
1992 OW2		1992 07 30.25833	21 29 27.40	-17 10 55.4		4	809
1992 OW2		1992 07 30.26875	21 29 26.81	-17 10 56.1		4	809
1992 OW2		1992 07 30.27917	21 29 26.20	-17 10 58.2		4	809
1992 OX2	*	1992 07 26.22083	21 33 04.74	-16 53 11.9	18.6	4	809
1992 OX2		1992 07 26.23125	21 33 04.21	-16 53 13.6		4	809
1992 OX2		1992 07 26.24167	21 33 03.73	-16 53 14.2		4	809
1992 OX2		1992 07 30.25833	21 29 06.66	-17 03 48.1		4	809
1992 OX2		1992 07 30.26875	21 29 05.92	-17 03 49.2		4	809
1992 OX2		1992 07 30.27917	21 29 05.26	-17 03 50.7		4	809
1992 OY2	*	1992 07 26.22083	21 33 05.03	-14 15 51.3	18.2	4	809
1992 OY2		1992 07 26.23125	21 33 04.62	-14 15 54.3		4	809
1992 OY2		1992 07 26.24167	21 33 04.15	-14 15 58.9		4	809
1992 OY2		1992 07 30.25833	21 30 18.58	-14 42 33.9		4	809
1992 OY2		1992 07 30.26875	21 30 18.06	-14 42 38.8		4	809
1992 OY2		1992 07 30.27917	21 30 17.54	-14 42 42.4		4	809
1992 OY2		1992 08 04.34062	21 26 25.13	-15 18 24.1	16.7	3	809
1992 OY2		1992 08 04.34966	21 26 24.69	-15 18 28.2		3	809
1992 OY2		1992 08 04.35867	21 26 24.27	-15 18 32.2		3	809
1992 OY2		1992 08 04.36909	21 26 23.68	-15 18 35.6		3	809
1992 OY2		1992 08 04.37813	21 26 23.25	-15 18 39.6		3	809
1992 OY2		1992 08 04.38715	21 26 22.82	-15 18 43.6		3	809
1992 OY2		1992 08 05.28438	21 25 39.77	-15 25 13.3		3	809
1992 OY2		1992 08 05.29340	21 25 39.32	-15 25 16.8		3	809
1992 OY2		1992 08 05.30243	21 25 38.89	-15 25 20.7		3	809
1992 OZ2		1992 07 24.24792	21 35 01.13	-16 20 55.9		4	809
1992 OZ2		1992 07 24.25833	21 35 00.51	-16 20 56.1		4	809
1992 OZ2		1992 07 24.26875	21 34 59.95	-16 20 56.0		4	809
1992 OZ2	*	1992 07 26.22083	21 33 20.24	-16 21 36.0	18.5	4	809
1992 OZ2		1992 07 26.23125	21 33 19.63	-16 21 36.6		4	809
1992 OZ2		1992 07 26.24167	21 33 19.09	-16 21 36.5		4	809
1992 OZ2		1992 07 30.25833	21 29 39.98	-16 23 23.4		4	809
1992 OZ2		1992 07 30.26875	21 29 39.42	-16 23 23.1		4	809
1992 OZ2		1992 07 30.27917	21 29 38.79	-16 23 23.2		4	809
1992 OA3	*	1992 07 26.22083	21 33 50.57	-15 04 04.1	19.0	4	809
1992 OA3		1992 07 26.23125	21 33 50.10	-15 04 08.3		4	809
1992 OA3		1992 07 26.24167	21 33 49.72	-15 04 13.0		4	809
1992 OA3		1992 07 30.25833	21 30 52.28	-15 34 13.6		4	809
1992 OA3		1992 07 30.26875	21 30 51.82	-15 34 18.3		4	809
1992 OA3		1992 07 30.27917	21 30 51.31	-15 34 22.2		4	809
1992 OB3		1992 07 24.24792	21 35 39.97	-12 59 58.3		4	809
1992 OB3		1992 07 24.25833	21 35 39.33	-12 59 59.9		4	809
1992 OB3		1992 07 24.26875	21 35 38.76	-12 59 59.6		4	809
1992 OB3	*	1992 07 26.22083	21 33 52.04	-13 00 04.6	18.5	4	809
1992 OB3		1992 07 26.23125	21 33 51.41	-13 00 05.0		4	809
1992 OB3		1992 07 26.24167	21 33 50.74	-13 00 05.3		4	809
1992 OB3		1992 07 30.25833	21 29 56.55	-13 01 18.7		4	809
1992 OB3		1992 07 30.26875	21 29 55.80	-13 01 19.2		4	809

1992 OB3		1992 07 30.27917	21 29 55.10	-13 01 18.9		4	809
1992 OC3	*	1992 07 26.22083	21 33 54.29	-14 29 51.2	18.4	4	809
1992 OC3		1992 07 26.23125	21 33 53.75	-14 29 54.6		4	809
1992 OC3		1992 07 26.24167	21 33 53.31	-14 29 57.5		4	809
1992 OC3		1992 07 30.25833	21 30 41.94	-14 49 43.5		4	809
1992 OC3		1992 07 30.26875	21 30 41.27	-14 49 47.2		4	809
1992 OC3		1992 07 30.27917	21 30 40.77	-14 49 50.1		4	809
1992 OD3	*	1992 07 26.22083	21 34 01.28	-16 55 51.0	18.4	4	809
1992 OD3		1992 07 26.23125	21 34 00.81	-16 55 53.5		4	809
1992 OD3		1992 07 26.24167	21 34 00.39	-16 55 55.7		4	809
1992 OD3		1992 07 30.25833	21 31 10.39	-17 12 01.5		4	809
1992 OD3		1992 07 30.26875	21 31 09.90	-17 12 03.2		4	809
1992 OD3		1992 07 30.27917	21 31 09.44	-17 12 06.3		4	809
1992 OE3		1992 07 24.24792	21 35 26.62	-15 02 41.8		4	809
1992 OE3		1992 07 24.25833	21 35 26.14	-15 02 43.4		4	809
1992 OE3		1992 07 24.26875	21 35 25.72	-15 02 46.5		4	809
1992 OE3	*	1992 07 26.22083	21 34 07.54	-15 05 01.8	18.2	4	809
1992 OE3		1992 07 26.23125	21 34 07.09	-15 05 02.7		4	809
1992 OE3		1992 07 26.24167	21 34 06.66	-15 05 03.5		4	809
1992 OE3		1992 07 30.25833	21 31 11.21	-15 10 32.5		4	809
1992 OE3		1992 07 30.26875	21 31 10.68	-15 10 33.4		4	809
1992 OE3		1992 07 30.27917	21 31 10.20	-15 10 33.5		4	809
1992 OE3		1992 08 04.36909	21 27 06.14	-15 18 33.0	17.2	3	809
1992 OE3		1992 08 04.37813	21 27 05.70	-15 18 34.2		3	809
1992 OE3		1992 08 04.38715	21 27 05.24	-15 18 34.9		3	809
1992 OE3		1992 08 05.31285	21 26 19.22	-15 20 07.7		3	809
1992 OE3		1992 08 05.32187	21 26 18.77	-15 20 08.6		3	809
1992 OE3		1992 08 05.33090	21 26 18.31	-15 20 09.6		3	809
1992 OF3		1992 07 24.24792	21 36 35.81	-15 24 34.4		4	809
1992 OF3		1992 07 24.25833	21 36 35.17	-15 24 35.3		4	809
1992 OF3		1992 07 24.26875	21 36 34.59	-15 24 35.1		4	809
1992 OF3	*	1992 07 26.22083	21 34 59.87	-15 24 49.8	18.2	4	809
1992 OF3		1992 07 26.23125	21 34 59.30	-15 24 49.8		4	809
1992 OF3		1992 07 26.24167	21 34 58.71	-15 24 50.2		4	809
1992 OF3		1992 07 30.25833	21 31 26.90	-15 26 06.7		4	809
1992 OF3		1992 07 30.26875	21 31 26.30	-15 26 06.7		4	809
1992 OF3		1992 07 30.27917	21 31 25.59	-15 26 07.6		4	809
1992 OF3		1992 08 04.34062	21 26 35.40	-15 28 39.6	17.0	3	809
1992 OF3		1992 08 04.34966	21 26 34.87	-15 28 40.0		3	809
1992 OF3		1992 08 04.35867	21 26 34.33	-15 28 40.2		3	809
1992 OF3		1992 08 04.36909	21 26 33.71	-15 28 40.4		3	809
1992 OF3		1992 08 04.37813	21 26 33.18	-15 28 40.7		3	809
1992 OF3		1992 08 04.38715	21 26 32.63	-15 28 41.0		3	809
1992 OF3		1992 08 05.28438	21 25 39.69	-15 29 10.4		3	809
1992 OF3		1992 08 05.29340	21 25 39.16	-15 29 10.6		3	809
1992 OF3		1992 08 05.30243	21 25 38.62	-15 29 10.9		3	809
1992 OG3		1992 07 24.24792	21 36 55.88	-14 36 28.3		4	809
1992 OG3		1992 07 24.25833	21 36 55.27	-14 36 32.2		4	809
1992 OG3		1992 07 24.26875	21 36 54.57	-14 36 34.0		4	809
1992 OG3	*	1992 07 26.22083	21 35 11.30	-14 44 20.2	18.5	4	809
1992 OG3		1992 07 26.23125	21 35 10.70	-14 44 23.4		4	809
1992 OG3		1992 07 26.24167	21 35 10.09	-14 44 26.0		4	809
1992 OG3		1992 07 30.25833	21 31 24.35	-15 01 13.9		4	809
1992 OG3		1992 07 30.26875	21 31 23.69	-15 01 17.4		4	809
1992 OG3		1992 07 30.27917	21 31 22.99	-15 01 19.2		4	809
1992 OH3		1992 07 24.24792	21 37 17.42	-16 27 50.1		4	809
1992 OH3		1992 07 24.25833	21 37 16.82	-16 27 55.2		4	809
1992 OH3		1992 07 24.26875	21 37 16.18	-16 28 00.5		4	809
1992 OH3	*	1992 07 26.22083	21 35 47.75	-16 41 14.3	18.6	4	809

1992 OH3		1992 07 26.23125	21 35 47.29	-16 41 18.1		4	809
1992 OH3		1992 07 26.24167	21 35 46.71	-16 41 23.2		4	809
1992 OH3		1992 07 30.25833	21 32 32.69	-17 09 15.5		4	809
1992 OH3		1992 07 30.26875	21 32 32.02	-17 09 20.2		4	809
1992 OH3		1992 07 30.27917	21 32 31.37	-17 09 26.7		4	809
1992 OJ3	*	1992 07 26.22083	21 36 22.00	-13 37 59.4	18.6	4	809
1992 OJ3		1992 07 26.23125	21 36 21.31	-13 38 01.4		4	809
1992 OJ3		1992 07 26.24167	21 36 20.82	-13 38 02.3		4	809
1992 OJ3		1992 07 26.25625	21 36 20.10	-13 38 02.5	18.6	4	809
1992 OJ3		1992 07 26.26667	21 36 19.48	-13 38 04.0		4	809
1992 OJ3		1992 07 26.27708	21 36 18.81	-13 38 05.1		4	809
1992 OJ3		1992 07 30.25833	21 32 28.24	-13 47 31.8		4	809
1992 OJ3		1992 07 30.26875	21 32 27.56	-13 47 33.7		4	809
1992 OJ3		1992 07 30.27917	21 32 26.80	-13 47 35.3		4	809
1992 OJ3		1992 07 30.29444	21 32 25.26	-13 47 40.4	19.0	4	809
1992 OJ3		1992 07 30.30486	21 32 24.65	-13 47 42.6		4	809
1992 OJ3		1992 07 30.31528	21 32 24.11	-13 47 45.3		4	809
1992 OK3	*	1992 07 26.22083	21 36 22.27	-16 39 18.4	18.6	4	809
1992 OK3		1992 07 26.23125	21 36 21.81	-16 39 19.2		4	809
1992 OK3		1992 07 26.24167	21 36 21.33	-16 39 20.2		4	809
1992 OK3		1992 07 30.25833	21 33 18.03	-16 44 14.3		4	809
1992 OK3		1992 07 30.26875	21 33 17.53	-16 44 15.3		4	809
1992 OK3		1992 07 30.27917	21 33 16.98	-16 44 15.0		4	809
1992 OL3	*	1992 07 26.22083	21 36 48.42	-13 09 16.6	18.5	4	809
1992 OL3		1992 07 26.23125	21 36 47.96	-13 09 19.2		4	809
1992 OL3		1992 07 26.24167	21 36 47.55	-13 09 21.4		4	809
1992 OL3		1992 07 26.25625	21 36 47.08	-13 09 24.3	18.7	4	809
1992 OL3		1992 07 26.26667	21 36 46.63	-13 09 26.2		4	809
1992 OL3		1992 07 26.27708	21 36 46.26	-13 09 28.9		4	809
1992 OL3		1992 07 30.25833	21 34 10.79	-13 25 02.4		4	809
1992 OL3		1992 07 30.26875	21 34 10.29	-13 25 04.2		4	809
1992 OL3		1992 07 30.27917	21 34 09.85	-13 25 06.8		4	809
1992 OL3		1992 07 30.29444	21 34 09.19	-13 25 10.4		4	809
1992 OL3		1992 07 30.30486	21 34 08.72	-13 25 13.2		4	809
1992 OL3		1992 07 30.31528	21 34 08.34	-13 25 15.5		4	809
1992 OM3		1992 07 24.24792	21 38 16.50	-16 12 57.5		4	809
1992 OM3		1992 07 24.25833	21 38 15.99	-16 13 03.0		4	809
1992 OM3		1992 07 24.26875	21 38 15.52	-16 13 06.2		4	809
1992 OM3	*	1992 07 26.22083	21 37 00.87	-16 25 22.6	17.9	4	809
1992 OM3		1992 07 26.23125	21 37 00.41	-16 25 26.7		4	809
1992 OM3		1992 07 26.24167	21 36 59.89	-16 25 30.2		4	809
1992 OM3		1992 07 30.25833	21 34 07.58	-16 51 52.2		4	809
1992 OM3		1992 07 30.26875	21 34 06.99	-16 51 56.3		4	809
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1992 ON3		1992 07 24.24792	21 38 40.01	-15 41 08.6		4	809
1992 ON3		1992 07 24.25833	21 38 39.75	-15 41 10.4		4	809
1992 ON3		1992 07 24.26875	21 38 39.35	-15 41 12.3		4	809
1992 ON3	*	1992 07 26.22083	21 37 15.63	-15 50 19.5	19.0	4	809
1992 ON3		1992 07 26.23125	21 37 15.11	-15 50 22.4		4	809
1992 ON3		1992 07 26.24167	21 37 14.64	-15 50 25.3		4	809
1992 ON3		1992 07 30.25833	21 34 13.18	-16 09 41.5		4	809
1992 ON3		1992 07 30.26875	21 34 12.73	-16 09 45.2		4	809
1992 ON3		1992 07 30.27917	21 34 12.21	-16 09 47.6		4	809
1992 OO3	*	1992 07 26.22083	21 38 02.96	-13 06 17.3	18.5	4	809
1992 OO3		1992 07 26.23125	21 38 02.51	-13 06 19.8		4	809
1992 OO3		1992 07 26.24167	21 38 02.15	-13 06 21.8		4	809
1992 OO3		1992 07 26.25625	21 38 01.48	-13 06 24.8	18.6	4	809
1992 OO3		1992 07 26.26667	21 38 01.04	-13 06 25.8		4	809
1992 OO3		1992 07 26.27708	21 38 00.55	-13 06 27.0		4	809

1992 O03		1992 07 30.25833	21 35 07.09	-13 19 32.5		4	809
1992 O03		1992 07 30.26875	21 35 06.62	-13 19 33.6		4	809
1992 O03		1992 07 30.27917	21 35 06.18	-13 19 35.5		4	809
1992 O03		1992 07 30.29444	21 35 05.49	-13 19 37.7		4	809
1992 O03		1992 07 30.30486	21 35 04.97	-13 19 40.6		4	809
1992 O03		1992 07 30.31528	21 35 04.39	-13 19 43.5		4	809
1992 OP3	*	1992 07 26.22083	21 38 41.65	-13 14 02.1	18.5	4	809
1992 OP3		1992 07 26.23125	21 38 41.23	-13 14 04.4		4	809
1992 OP3		1992 07 26.24167	21 38 40.85	-13 14 06.9		4	809
1992 OP3		1992 07 26.25625	21 38 40.32	-13 14 11.5	18.6	4	809
1992 OP3		1992 07 26.26667	21 38 39.88	-13 14 13.9		4	809
1992 OP3		1992 07 26.27708	21 38 39.33	-13 14 17.9		4	809
1992 OP3		1992 07 30.25833	21 35 58.52	-13 31 10.9		4	809
1992 OP3		1992 07 30.26875	21 35 58.04	-13 31 13.2		4	809
1992 OP3		1992 07 30.27917	21 35 57.59	-13 31 16.4		4	809
1992 OP3		1992 07 30.29444	21 35 56.99	-13 31 21.2		4	809
1992 OP3		1992 07 30.30486	21 35 56.52	-13 31 24.6		4	809
1992 OP3		1992 07 30.31528	21 35 56.15	-13 31 26.9		4	809
1992 OQ3	*	1992 07 26.25625	21 34 51.02	-11 38 31.1	18.5	4	809
1992 OQ3		1992 07 26.26667	21 34 50.47	-11 38 34.9		4	809
1992 OQ3		1992 07 26.27708	21 34 49.87	-11 38 38.0		4	809
1992 OQ3		1992 07 30.29444	21 31 17.10	-12 02 20.2		4	809
1992 OQ3		1992 07 30.30486	21 31 16.51	-12 02 24.5		4	809
1992 OQ3		1992 07 30.31528	21 31 15.94	-12 02 27.4		4	809
1992 OR3	*	1992 07 26.25625	21 34 57.94	-10 14 38.0	18.5	4	809
1992 OR3		1992 07 26.26667	21 34 57.38	-10 14 39.8		4	809
1992 OR3		1992 07 26.27708	21 34 56.84	-10 14 41.5		4	809
1992 OR3		1992 07 30.29444	21 31 47.99	-10 26 47.6		4	809
1992 OR3		1992 07 30.30486	21 31 47.41	-10 26 50.2		4	809
1992 OR3		1992 07 30.31528	21 31 46.93	-10 26 52.7		4	809
1992 OS3	*	1992 07 26.25625	21 35 08.03	-10 26 36.7	18.6	4	809
1992 OS3		1992 07 26.26667	21 35 07.41	-10 26 35.7		4	809
1992 OS3		1992 07 26.27708	21 35 06.94	-10 26 35.0		4	809
1992 OS3		1992 07 30.29444	21 31 41.18	-10 21 46.0		4	809
1992 OS3		1992 07 30.30486	21 31 40.52	-10 21 44.7		4	809
1992 OS3		1992 07 30.31528	21 31 39.82	-10 21 44.4		4	809
1992 OU3	*	1992 07 26.25625	21 36 47.02	-11 25 24.3	19.0	4	809
1992 OU3		1992 07 26.26667	21 36 46.53	-11 25 26.6		4	809
1992 OU3		1992 07 26.27708	21 36 45.98	-11 25 29.1		4	809
1992 OU3		1992 07 30.29444	21 33 33.27	-11 43 47.5		4	809
1992 OU3		1992 07 30.30486	21 33 32.77	-11 43 50.2		4	809
1992 OU3		1992 07 30.31528	21 33 32.23	-11 43 52.8		4	809
1992 OW3	*	1992 07 26.25625	21 37 03.36	-11 43 37.6	19.0	4	809
1992 OW3		1992 07 26.26667	21 37 02.86	-11 43 36.7		4	809
1992 OW3		1992 07 26.27708	21 37 02.35	-11 43 35.7		4	809
1992 OW3		1992 07 30.29444	21 33 30.48	-11 36 02.8		4	809
1992 OW3		1992 07 30.30486	21 33 29.86	-11 36 01.8		4	809
1992 OW3		1992 07 30.31528	21 33 29.26	-11 35 59.1		4	809
1992 OX3	*	1992 07 26.25625	21 37 15.29	-12 08 37.7	19.1	4	809
1992 OX3		1992 07 26.26667	21 37 14.79	-12 08 38.4		4	809
1992 OX3		1992 07 26.27708	21 37 14.21	-12 08 40.9		4	809
1992 OX3		1992 07 30.29444	21 34 27.94	-12 17 38.1		4	809
1992 OX3		1992 07 30.30486	21 34 27.42	-12 17 38.8		4	809
1992 OX3		1992 07 30.31528	21 34 26.79	-12 17 41.1		4	809
1992 OY3	*	1992 07 26.25625	21 37 23.21	-12 14 47.2	18.7	4	809
1992 OY3		1992 07 26.26667	21 37 22.55	-12 14 48.4		4	809
1992 OY3		1992 07 26.27708	21 37 21.87	-12 14 49.8		4	809
1992 OY3		1992 07 30.29444	21 33 36.25	-12 23 39.9		4	809
1992 OY3		1992 07 30.30486	21 33 35.55	-12 23 40.6		4	809

1992 OY3		1992 07 30.31528	21 33 34.92	-12 23 42.4		4	809
1992 OZ3	*	1992 07 26.25625	21 37 33.55	-10 53 12.9	19.0	4	809
1992 OZ3		1992 07 26.26667	21 37 33.09	-10 53 15.7		4	809
1992 OZ3		1992 07 26.27708	21 37 32.63	-10 53 20.2		4	809
1992 OZ3		1992 07 30.29444	21 34 01.01	-11 27 03.6		4	809
1992 OZ3		1992 07 30.30486	21 34 00.50	-11 27 07.2		4	809
1992 OZ3		1992 07 30.31528	21 34 00.08	-11 27 10.3		4	809
1992 OC4	*	1992 07 26.25625	21 38 47.43	-11 15 44.9	19.0	4	809
1992 OC4		1992 07 26.26667	21 38 46.90	-11 15 47.7		4	809
1992 OC4		1992 07 26.27708	21 38 46.37	-11 15 49.6		4	809
1992 OC4		1992 07 30.29444	21 35 43.70	-11 32 05.4		4	809
1992 OC4		1992 07 30.30486	21 35 43.15	-11 32 07.1		4	809
1992 OC4		1992 07 30.31528	21 35 42.63	-11 32 09.9		4	809
1992 OD4	*	1992 07 26.25625	21 39 34.69	-14 02 56.0	19.2	4	809
1992 OD4		1992 07 26.26667	21 39 34.22	-14 02 58.3		4	809
1992 OD4		1992 07 26.27708	21 39 33.71	-14 03 01.5		4	809
1992 OD4		1992 07 30.29444	21 36 29.91	-14 21 24.7		4	809
1992 OD4		1992 07 30.30486	21 36 29.19	-14 21 27.1		4	809
1992 OD4		1992 07 30.31528	21 36 28.73	-14 21 30.6		4	809
1992 OE4	*	1992 07 26.25625	21 40 49.17	-11 10 44.1	18.5	4	809
1992 OE4		1992 07 26.26667	21 40 48.74	-11 10 45.1		4	809
1992 OE4		1992 07 26.27708	21 40 48.33	-11 10 46.2		4	809
1992 OE4		1992 07 30.29444	21 37 58.74	-11 21 28.7		4	809
1992 OE4		1992 07 30.30486	21 37 58.13	-11 21 31.5		4	809
1992 OE4		1992 07 30.31528	21 37 57.60	-11 21 33.9		4	809
1992 OF4	*	1992 07 26.25625	21 40 57.52	-12 31 03.4	18.0	4	809
1992 OF4		1992 07 26.26667	21 40 56.96	-12 31 08.1		4	809
1992 OF4		1992 07 26.27708	21 40 56.47	-12 31 12.0		4	809
1992 OF4		1992 07 30.29444	21 37 45.54	-13 00 05.4		4	809
1992 OF4		1992 07 30.30486	21 37 44.95	-13 00 10.3		4	809
1992 OF4		1992 07 30.31528	21 37 44.43	-13 00 14.8		4	809
1992 OG4	*	1992 07 26.25625	21 41 51.56	-14 10 25.9	19.3	4	809
1992 OG4		1992 07 26.26667	21 41 51.04	-14 10 26.8		4	809
1992 OG4		1992 07 26.27708	21 41 50.59	-14 10 27.5		4	809
1992 OG4		1992 07 30.29444	21 38 40.57	-14 17 57.7		4	809
1992 OG4		1992 07 30.30486	21 38 39.96	-14 17 56.4		4	809
1992 OG4		1992 07 30.31528	21 38 39.33	-14 17 58.7		4	809
1992 OH4	*	1992 07 26.25625	21 42 00.74	-14 01 29.3	19.0	4	809
1992 OH4		1992 07 26.26667	21 42 00.13	-14 01 30.4		4	809
1992 OH4		1992 07 26.27708	21 41 59.56	-14 01 32.3		4	809
1992 OH4		1992 07 30.29444	21 38 30.00	-14 08 11.9		4	809
1992 OH4		1992 07 30.30486	21 38 29.40	-14 08 13.2		4	809
1992 OH4		1992 07 30.31528	21 38 28.80	-14 08 15.9		4	809
1992 OJ4	*	1992 07 26.25625	21 42 47.55	-10 14 41.5	18.7	4	809
1992 OJ4		1992 07 26.26667	21 42 47.13	-10 14 46.1		4	809
1992 OJ4		1992 07 26.27708	21 42 46.63	-10 14 51.5		4	809
1992 OJ4		1992 07 30.29444	21 40 03.38	-10 46 14.7		4	809
1992 OJ4		1992 07 30.30486	21 40 02.86	-10 46 19.9		4	809
1992 OJ4		1992 07 30.31528	21 40 02.43	-10 46 25.1		4	809
1992 OK4	*	1992 07 26.25625	21 43 05.49	-09 52 05.4	18.5	4	809
1992 OK4		1992 07 26.26667	21 43 04.87	-09 52 06.3		4	809
1992 OK4		1992 07 26.27708	21 43 04.28	-09 52 07.8		4	809
1992 OK4		1992 07 30.29444	21 39 22.82	-09 56 53.2		4	809
1992 OK4		1992 07 30.30486	21 39 22.19	-09 56 53.4		4	809
1992 OK4		1992 07 30.31528	21 39 21.66	-09 56 53.8		4	809
1992 OL4	*	1992 07 26.25625	21 43 27.67	-14 01 07.3	18.2	4	809
1992 OL4		1992 07 26.26667	21 43 27.21	-14 01 10.8		4	809
1992 OL4		1992 07 26.27708	21 43 26.76	-14 01 14.2		4	809
1992 OL4		1992 07 30.29444	21 40 42.43	-14 20 13.6		4	809

1992 OL4		1992 07 30.30486	21 40 41.93	-14 20 16.5		4	809
1992 OL4		1992 07 30.31528	21 40 41.45	-14 20 19.2		4	809
1992 OM4	*	1992 07 26.25625	21 43 59.11	-11 30 04.0	18.7	4	809
1992 OM4		1992 07 26.26667	21 43 58.61	-11 30 08.6		4	809
1992 OM4		1992 07 26.27708	21 43 58.12	-11 30 11.9		4	809
1992 OM4		1992 07 30.29444	21 40 52.00	-11 54 35.1		4	809
1992 OM4		1992 07 30.30486	21 40 51.43	-11 54 39.2		4	809
1992 OM4		1992 07 30.31528	21 40 50.83	-11 54 43.8		4	809
1992 ON4	*	1992 07 26.25625	21 45 43.42	-09 49 41.0	18.5	4	809
1992 ON4		1992 07 26.26667	21 45 42.96	-09 49 43.7		4	809
1992 ON4		1992 07 26.27708	21 45 42.53	-09 49 45.8		4	809
1992 ON4		1992 07 30.29444	21 43 03.14	-10 08 46.2		4	809
1992 ON4		1992 07 30.30486	21 43 02.66	-10 08 48.7		4	809
1992 ON4		1992 07 30.31528	21 43 02.22	-10 08 52.7		4	809
1992 OO4	*	1992 07 26.25625	21 46 16.21	-14 09 08.9	19.5	4	809
1992 OO4		1992 07 26.26667	21 46 15.88	-14 09 10.5		4	809
1992 OO4		1992 07 26.27708	21 46 15.45	-14 09 14.4		4	809
1992 OO4		1992 07 30.29444	21 43 37.25	-14 24 39.1		4	809
1992 OO4		1992 07 30.30486	21 43 36.82	-14 24 41.1		4	809
1992 OO4		1992 07 30.31528	21 43 36.38	-14 24 43.7		4	809
1992 OP4	*	1992 07 26.25625	21 47 19.25	-12 33 37.4	18.5	4	809
1992 OP4		1992 07 26.26667	21 47 18.71	-12 33 41.6		4	809
1992 OP4		1992 07 26.27708	21 47 18.17	-12 33 45.3		4	809
1992 OP4		1992 07 30.29444	21 44 54.15	-12 42 38.5		4	809
1992 OP4		1992 07 30.30486	21 44 53.62	-12 42 43.4		4	809
1992 OP4		1992 07 30.31528	21 44 53.11	-12 42 46.9		4	809
1992 OQ4	*	1992 07 26.25625	21 48 50.97	-13 24 23.1	18.1	4	809
1992 OQ4		1992 07 26.26667	21 48 50.50	-13 24 27.3		4	809
1992 OQ4		1992 07 26.27708	21 48 50.04	-13 24 32.3		4	809
1992 OQ4		1992 07 30.29444	21 46 07.29	-13 52 25.4		4	809
1992 OQ4		1992 07 30.30486	21 46 06.72	-13 52 29.6		4	809
1992 OQ4		1992 07 30.31528	21 46 06.33	-13 52 34.8		4	809
1992 OR4	*	1992 07 26.25625	21 49 37.98	-10 19 11.7	18.3	4	809
1992 OR4		1992 07 26.26667	21 49 37.61	-10 19 13.3		4	809
1992 OR4		1992 07 26.27708	21 49 37.26	-10 19 16.1		4	809
1992 OR4		1992 07 30.29444	21 47 31.40	-10 36 38.5		4	809
1992 OR4		1992 07 30.30486	21 47 31.00	-10 36 41.0		4	809
1992 OR4		1992 07 30.31528	21 47 30.57	-10 36 43.9		4	809
1992 OR4		1992 07 30.32986	21 47 30.07	-10 36 45.7		4	809
1992 OR4		1992 07 30.34028	21 47 29.62	-10 36 49.1		4	809
1992 OR4		1992 07 30.35069	21 47 29.17	-10 36 52.5		4	809
1992 OR4		1992 07 31.23750	21 46 58.98	-10 41 03.4	18.3	4	809
1992 OR4		1992 07 31.24792	21 46 58.50	-10 41 06.9		4	809
1992 OR4		1992 07 31.25833	21 46 58.07	-10 41 09.5		4	809
1992 OS4	*	1992 07 26.25625	21 49 54.93	-12 00 52.4	18.5	4	809
1992 OS4		1992 07 26.26667	21 49 54.58	-12 00 56.8		4	809
1992 OS4		1992 07 26.27708	21 49 54.22	-12 01 00.9		4	809
1992 OS4		1992 07 30.29444	21 47 33.44	-12 30 14.4		4	809
1992 OS4		1992 07 30.30486	21 47 33.02	-12 30 18.8		4	809
1992 OS4		1992 07 30.31528	21 47 32.64	-12 30 23.5		4	809
1992 OT4	*	1992 07 26.25625	21 49 59.05	-13 38 29.9	18.1	4	809
1992 OT4		1992 07 26.26667	21 49 58.63	-13 38 32.7		4	809
1992 OT4		1992 07 26.27708	21 49 58.16	-13 38 36.2		4	809
1992 OT4		1992 07 30.29444	21 47 22.54	-13 55 18.4		4	809
1992 OT4		1992 07 30.30486	21 47 22.11	-13 55 20.6		4	809
1992 OT4		1992 07 30.31528	21 47 21.58	-13 55 23.3		4	809
1992 OU4	*	1992 07 26.25625	21 49 59.25	-13 50 20.6	18.4	4	809
1992 OU4		1992 07 26.26667	21 49 58.83	-13 50 23.4		4	809
1992 OU4		1992 07 26.27708	21 49 58.40	-13 50 26.2		4	809

1992 OU4		1992 07 30.29444	21 46 53.20	-14 19 51.6		4	809
1992 OU4		1992 07 30.30486	21 46 52.68	-14 19 53.7		4	809
1992 OU4		1992 07 30.31528	21 46 52.12	-14 19 55.8		4	809
1992 OV4	*	1992 07 26.25625	21 50 11.85	-13 46 58.4	18.7	4	809
1992 OV4		1992 07 26.26667	21 50 11.47	-13 47 03.7		4	809
1992 OV4		1992 07 26.27708	21 50 11.08	-13 47 08.4		4	809
1992 OV4		1992 07 30.29444	21 47 22.45	-14 03 49.3		4	809
1992 OV4		1992 07 30.30486	21 47 22.06	-14 03 51.6		4	809
1992 OV4		1992 07 30.31528	21 47 21.59	-14 03 53.2		4	809
1992 OW4	*	1992 07 26.25625	21 50 53.91	-13 23 15.9	19.0	4	809
1992 OW4		1992 07 26.26667	21 50 53.46	-13 23 18.0		4	809
1992 OW4		1992 07 26.27708	21 50 53.03	-13 23 19.6		4	809
1992 OW4		1992 07 30.29444	21 48 25.44	-13 33 49.3		4	809
1992 OW4		1992 07 30.30486	21 48 24.92	-13 33 49.7		4	809
1992 OW4		1992 07 30.31528	21 48 24.40	-13 33 50.8		4	809
1992 OX4	*	1992 07 26.25625	21 51 05.14	-13 27 08.9	18.5	4	809
1992 OX4		1992 07 26.26667	21 51 04.72	-13 27 14.3		4	809
1992 OX4		1992 07 26.27708	21 51 04.26	-13 27 21.3		4	809
1992 OX4		1992 07 30.29444	21 48 27.88	-14 08 31.0		4	809
1992 OX4		1992 07 30.30486	21 48 27.31	-14 08 37.7		4	809
1992 OX4		1992 07 30.31528	21 48 26.92	-14 08 43.7		4	809
1992 OY4	*	1992 07 26.25625	21 51 20.73	-12 29 55.9	19.0	4	809
1992 OY4		1992 07 26.26667	21 51 20.25	-12 29 57.9		4	809
1992 OY4		1992 07 26.27708	21 51 19.78	-12 30 00.1		4	809
1992 OY4		1992 07 30.29444	21 48 51.89	-12 43 51.8		4	809
1992 OY4		1992 07 30.30486	21 48 51.38	-12 43 55.0		4	809
1992 OY4		1992 07 30.31528	21 48 50.87	-12 43 56.5		4	809
1992 OZ4	*	1992 07 26.25625	21 51 27.91	-14 12 47.4	18.3	4	809
1992 OZ4		1992 07 26.26667	21 51 27.52	-14 12 52.2		4	809
1992 OZ4		1992 07 26.27708	21 51 27.11	-14 12 55.0		4	809
1992 OZ4		1992 07 30.29444	21 49 00.65	-14 39 34.6		4	809
1992 OZ4		1992 07 30.30486	21 49 00.19	-14 39 38.9		4	809
1992 OZ4		1992 07 30.31528	21 48 59.93	-14 39 44.2		4	809
1992 OA5	*	1992 07 26.25625	21 51 36.30	-10 17 27.1	18.5	4	809
1992 OA5		1992 07 26.26667	21 51 35.70	-10 17 28.2		4	809
1992 OA5		1992 07 26.27708	21 51 35.21	-10 17 27.4		4	809
1992 OA5		1992 07 30.29444	21 48 21.74	-10 20 21.7		4	809
1992 OA5		1992 07 30.30486	21 48 21.16	-10 20 21.7		4	809
1992 OA5		1992 07 30.31528	21 48 20.57	-10 20 23.3		4	809
1992 OA5		1992 07 30.32986	21 48 19.89	-10 20 21.6		4	809
1992 OA5		1992 07 30.34028	21 48 19.28	-10 20 22.0		4	809
1992 OA5		1992 07 30.35069	21 48 18.73	-10 20 22.8		4	809
1992 OA5		1992 07 31.23750	21 47 33.74	-10 21 13.6	18.5	4	809
1992 OA5		1992 07 31.24792	21 47 33.16	-10 21 13.9		4	809
1992 OA5		1992 07 31.25833	21 47 32.53	-10 21 15.5		4	809
1992 OB5	*	1992 07 26.25625	21 51 38.78	-14 04 52.1	18.6	4	809
1992 OB5		1992 07 26.26667	21 51 38.23	-14 04 50.8		4	809
1992 OB5		1992 07 26.27708	21 51 37.53	-14 04 50.9		4	809
1992 OB5		1992 07 30.29444	21 48 08.52	-14 03 48.7		4	809
1992 OB5		1992 07 30.30486	21 48 07.91	-14 03 48.7		4	809
1992 OB5		1992 07 30.31528	21 48 07.17	-14 03 49.3		4	809
1992 OC5		1992 07 24.28542	21 53 03.40	-12 07 00.0		4	809
1992 OC5		1992 07 24.29583	21 53 02.85	-12 07 02.9		4	809
1992 OC5		1992 07 24.30625	21 53 02.32	-12 07 05.7		4	809
1992 OC5	*	1992 07 26.25625	21 51 49.62	-12 13 22.9	18.5	4	809
1992 OC5		1992 07 26.26667	21 51 49.16	-12 13 24.4		4	809
1992 OC5		1992 07 26.27708	21 51 48.71	-12 13 26.6		4	809
1992 OC5		1992 07 30.29444	21 49 09.14	-12 27 14.5		4	809
1992 OC5		1992 07 30.30486	21 49 08.67	-12 27 16.2		4	809

1992 OC5		1992 07 30.31528	21 49 08.19	-12 27 18.2		4	809
1992 OC5		1992 07 30.32986	21 49 07.53	-12 27 21.2		4	809
1992 OC5		1992 07 30.34028	21 49 07.05	-12 27 22.6		4	809
1992 OC5		1992 07 30.35069	21 49 06.57	-12 27 26.3		4	809
1992 OC5		1992 07 31.23750	21 48 30.09	-12 30 35.2	18.3	4	809
1992 OC5		1992 07 31.24792	21 48 29.57	-12 30 37.9		4	809
1992 OC5		1992 07 31.25833	21 48 29.10	-12 30 39.9		4	809
1992 OD5		1992 07 24.28542	21 53 10.52	-10 01 02.9		4	809
1992 OD5		1992 07 24.29583	21 53 10.04	-10 01 02.6		4	809
1992 OD5		1992 07 24.30625	21 53 09.61	-10 01 02.3		4	809
1992 OD5	*	1992 07 26.25625	21 52 01.20	-09 59 51.1	18.2	4	809
1992 OD5		1992 07 26.26667	21 52 00.75	-09 59 50.1		4	809
1992 OD5		1992 07 26.27708	21 52 00.27	-09 59 50.1		4	809
1992 OD5		1992 07 30.29444	21 49 16.78	-09 59 24.3		4	809
1992 OD5		1992 07 30.30486	21 49 16.30	-09 59 23.8		4	809
1992 OD5		1992 07 30.31528	21 49 15.72	-09 59 23.5		4	809
1992 OD5		1992 07 30.32986	21 49 15.18	-09 59 21.0		4	809
1992 OD5		1992 07 30.34028	21 49 14.61	-09 59 21.4		4	809
1992 OD5		1992 07 30.35069	21 49 14.10	-09 59 22.7		4	809
1992 OD5		1992 07 31.23750	21 48 34.97	-09 59 36.5	18.2	4	809
1992 OD5		1992 07 31.24792	21 48 34.38	-09 59 37.2		4	809
1992 OD5		1992 07 31.25833	21 48 33.86	-09 59 37.6		4	809
1992 OE5	*	1992 07 26.25625	21 52 38.66	-13 34 52.8	19.0	4	809
1992 OE5		1992 07 26.26667	21 52 38.26	-13 34 56.5		4	809
1992 OE5		1992 07 26.27708	21 52 37.78	-13 34 59.9		4	809
1992 OE5		1992 07 30.29444	21 49 56.79	-13 57 27.0		4	809
1992 OE5		1992 07 30.30486	21 49 56.33	-13 57 29.9		4	809
1992 OE5		1992 07 30.31528	21 49 55.79	-13 57 33.6		4	809
1992 OF5	*	1992 07 26.25625	21 52 42.30	-10 40 11.1	18.6	4	809
1992 OF5		1992 07 26.26667	21 52 41.80	-10 40 11.4		4	809
1992 OF5		1992 07 26.27708	21 52 41.28	-10 40 11.0		4	809
1992 OF5		1992 07 30.29444	21 49 38.80	-10 39 22.0		4	809
1992 OF5		1992 07 30.30486	21 49 38.16	-10 39 22.4		4	809
1992 OF5		1992 07 30.31528	21 49 37.59	-10 39 21.3		4	809
1992 OG5	*	1992 07 26.25625	21 53 19.15	-11 56 25.3	18.6	4	809
1992 OG5		1992 07 26.26667	21 53 18.73	-11 56 27.7		4	809
1992 OG5		1992 07 26.27708	21 53 18.35	-11 56 32.2		4	809
1992 OG5		1992 07 30.29444	21 50 24.41	-12 19 13.9		4	809
1992 OG5		1992 07 30.30486	21 50 23.88	-12 19 15.2		4	809
1992 OG5		1992 07 30.31528	21 50 23.44	-12 19 17.7		4	809
1992 OH5	*	1992 07 26.25625	21 53 30.58	-13 21 19.7	19.1	4	809
1992 OH5		1992 07 26.26667	21 53 30.07	-13 21 21.1		4	809
1992 OH5		1992 07 26.27708	21 53 29.70	-13 21 23.3		4	809
1992 OH5		1992 07 30.29444	21 50 20.74	-13 46 28.3		4	809
1992 OH5		1992 07 30.30486	21 50 20.32	-13 46 32.9		4	809
1992 OH5		1992 07 30.31528	21 50 19.82	-13 46 36.8		4	809
1992 OJ5	*	1992 07 26.25625	21 53 32.46	-11 14 01.5	18.8	4	809
1992 OJ5		1992 07 26.26667	21 53 31.97	-11 14 06.0		4	809
1992 OJ5		1992 07 26.27708	21 53 31.50	-11 14 09.6		4	809
1992 OJ5		1992 07 30.29444	21 50 33.27	-11 40 09.2		4	809
1992 OJ5		1992 07 30.30486	21 50 32.76	-11 40 12.5		4	809
1992 OJ5		1992 07 30.31528	21 50 32.25	-11 40 18.3		4	809
1992 OK5	*	1992 07 30.32986	21 46 48.82	-11 11 09.4		4	809
1992 OK5		1992 07 30.34028	21 46 48.35	-11 11 09.7		4	809
1992 OK5		1992 07 30.35069	21 46 47.95	-11 11 12.0		4	809
1992 OK5		1992 07 31.23750	21 46 10.36	-11 13 27.3	18.7	4	809
1992 OK5		1992 07 31.24792	21 46 09.79	-11 13 29.3		4	809
1992 OK5		1992 07 31.25833	21 46 09.18	-11 13 30.8		4	809
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1992 OP5		1992 07 30.34028	21 50 02.93	-08 17 45.1		4	809
1992 OP5		1992 07 30.35069	21 50 02.45	-08 17 48.2		4	809
1992 OP5		1992 07 31.23750	21 49 22.48	-08 22 16.5	18.5	4	809
1992 OP5		1992 07 31.24792	21 49 21.90	-08 22 20.5		4	809
1992 OP5		1992 07 31.25833	21 49 21.36	-08 22 23.7		4	809
1992 OQ5	*	1992 07 30.32986	21 50 12.53	-08 41 30.7		4	809
1992 OQ5		1992 07 30.34028	21 50 12.14	-08 41 34.6		4	809
1992 OQ5		1992 07 30.35069	21 50 11.75	-08 41 38.7		4	809
1992 OQ5		1992 07 31.23750	21 49 36.60	-08 49 00.9	18.6	4	809
1992 OQ5		1992 07 31.24792	21 49 36.18	-08 49 06.2		4	809
1992 OQ5		1992 07 31.25833	21 49 35.68	-08 49 10.3		4	809
1992 OR5	*	1992 07 30.32986	21 50 32.72	-07 57 26.0		4	809
1992 OR5		1992 07 30.34028	21 50 32.09	-07 57 28.3		4	809
1992 OR5		1992 07 30.35069	21 50 31.53	-07 57 31.4		4	809
1992 OR5		1992 07 31.23750	21 49 45.41	-08 00 54.0	18.5	4	809
1992 OR5		1992 07 31.24792	21 49 44.74	-08 00 56.2		4	809
1992 OR5		1992 07 31.25833	21 49 44.15	-08 00 59.2		4	809
1992 OS5	*	1992 07 30.32986	21 50 38.76	-09 23 29.2		4	809
1992 OS5		1992 07 30.34028	21 50 38.16	-09 23 30.7		4	809
1992 OS5		1992 07 30.35069	21 50 37.68	-09 23 32.8		4	809
1992 OS5		1992 07 31.23750	21 49 50.23	-09 25 24.9	18.7	4	809
1992 OS5		1992 07 31.24792	21 49 49.62	-09 25 26.3		4	809
1992 OS5		1992 07 31.25833	21 49 48.98	-09 25 28.3		4	809
1992 OT5	*	1992 07 30.32986	21 50 43.23	-12 14 20.4		4	809
1992 OT5		1992 07 30.34028	21 50 42.61	-12 14 23.8		4	809
1992 OT5		1992 07 30.35069	21 50 42.11	-12 14 26.0		4	809
1992 OT5		1992 07 31.23750	21 50 06.75	-12 18 32.4	18.8	4	809
1992 OT5		1992 07 31.24792	21 50 06.26	-12 18 34.6		4	809
1992 OT5		1992 07 31.25833	21 50 05.76	-12 18 38.6		4	809
1992 OU5	*	1992 07 30.32986	21 51 41.17	-11 09 47.9		4	809
1992 OU5		1992 07 30.34028	21 51 40.59	-11 09 51.1		4	809
1992 OU5		1992 07 30.35069	21 51 40.15	-11 09 55.5		4	809
1992 OU5		1992 07 31.23750	21 51 00.73	-11 14 39.4	18.7	4	809
1992 OU5		1992 07 31.24792	21 51 00.20	-11 14 43.2		4	809
1992 OU5		1992 07 31.25833	21 50 59.71	-11 14 46.7		4	809
1992 OV5	*	1992 07 30.32986	21 51 52.46	-08 38 34.5		4	809
1992 OV5		1992 07 30.34028	21 51 52.10	-08 38 40.5		4	809
1992 OV5		1992 07 30.35069	21 51 51.80	-08 38 47.6		4	809
1992 OV5		1992 07 31.23750	21 51 29.56	-08 47 45.3	17.7	4	809
1992 OV5		1992 07 31.24792	21 51 29.26	-08 47 52.6		4	809
1992 OV5		1992 07 31.25833	21 51 28.90	-08 47 58.9		4	809
1992 OW5	*	1992 07 30.32986	21 52 01.47	-09 56 13.1		4	809
1992 OW5		1992 07 30.34028	21 52 01.16	-09 56 17.2		4	809
1992 OW5		1992 07 30.35069	21 52 00.69	-09 56 21.5		4	809
1992 OW5		1992 07 31.23750	21 51 36.56	-10 01 23.2	18.6	4	809
1992 OW5		1992 07 31.24792	21 51 36.20	-10 01 26.4		4	809
1992 OW5		1992 07 31.25833	21 51 35.84	-10 01 31.3		4	809
1992 OX5	*	1992 07 30.32986	21 52 23.12	-09 22 30.1		4	809
1992 OX5		1992 07 30.34028	21 52 22.63	-09 22 32.7		4	809
1992 OX5		1992 07 30.35069	21 52 22.20	-09 22 35.8		4	809
1992 OX5		1992 07 31.23750	21 51 45.75	-09 27 09.6	18.6	4	809
1992 OX5		1992 07 31.24792	21 51 45.27	-09 27 14.4		4	809
1992 OX5		1992 07 31.25833	21 51 44.80	-09 27 17.2		4	809
1992 OY5	*	1992 07 30.32986	21 53 25.67	-10 12 53.8		4	809
1992 OY5		1992 07 30.34028	21 53 25.23	-10 12 57.2		4	809
1992 OY5		1992 07 30.35069	21 53 24.83	-10 13 01.7		4	809
1992 OY5		1992 07 31.23750	21 52 51.62	-10 18 47.4	18.5	4	809
1992 OY5		1992 07 31.24792	21 52 51.22	-10 18 52.4		4	809
1992 OY5		1992 07 31.25833	21 52 50.65	-10 18 56.5		4	809

1992 OZ5	*	1992 07 30.32986	21 53 38.25	-10 04 38.6	4	809
1992 OZ5		1992 07 30.34028	21 53 37.90	-10 04 40.1	4	809
1992 OZ5		1992 07 30.35069	21 53 37.38	-10 04 42.2	4	809
1992 OZ5		1992 07 31.23750	21 52 59.56	-10 07 34.7	18.7	4 809
1992 OZ5		1992 07 31.24792	21 52 59.08	-10 07 36.6	4	809
1992 OZ5		1992 07 31.25833	21 52 58.60	-10 07 39.0	4	809
1992 OA6	*	1992 07 30.32986	21 53 47.47	-11 56 23.5	4	809
1992 OA6		1992 07 30.34028	21 53 46.88	-11 56 20.2	4	809
1992 OA6		1992 07 30.35069	21 53 46.21	-11 56 16.4	4	809
1992 OA6		1992 07 31.23750	21 52 58.33	-11 52 36.7	18.6	4 809
1992 OA6		1992 07 31.24792	21 52 57.74	-11 52 34.9	4	809
1992 OA6		1992 07 31.25833	21 52 57.10	-11 52 32.1	4	809
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1992 OB6		1992 07 30.34028	21 53 58.11	-08 05 39.5	4	809
1992 OB6		1992 07 30.35069	21 53 57.69	-08 05 44.1	4	809
1992 OB6		1992 07 31.23750	21 53 26.13	-08 11 24.8	18.5	4 809
1992 OB6		1992 07 31.24792	21 53 25.68	-08 11 29.4	4	809
1992 OB6		1992 07 31.25833	21 53 25.26	-08 11 33.5	4	809
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1992 OC6		1992 07 30.34028	21 54 48.91	-09 09 48.8	4	809
1992 OC6		1992 07 30.35069	21 54 48.49	-09 09 52.0	4	809
1992 OC6		1992 07 31.23750	21 54 16.50	-09 13 28.7	18.4	4 809
1992 OC6		1992 07 31.24792	21 54 16.11	-09 13 31.7	4	809
1992 OC6		1992 07 31.25833	21 54 15.61	-09 13 33.4	4	809
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1992 OD6		1992 07 30.34028	21 54 58.08	-09 06 38.5	4	809
1992 OD6		1992 07 30.35069	21 54 57.48	-09 06 41.4	4	809
1992 OD6		1992 07 31.23750	21 54 12.51	-09 09 40.8	18.8	4 809
1992 OD6		1992 07 31.24792	21 54 11.90	-09 09 43.7	4	809
1992 OD6		1992 07 31.25833	21 54 11.32	-09 09 45.6	4	809
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1992 OE6		1992 07 30.34028	21 55 24.50	-11 44 03.6	4	809
1992 OE6		1992 07 30.35069	21 55 24.03	-11 44 06.3	4	809
1992 OE6		1992 07 31.23750	21 55 02.51	-11 43 23.1	19.1	4 809
1992 OE6		1992 07 31.24792	21 55 02.05	-11 43 23.9	4	809
1992 OE6		1992 07 31.25833	21 55 01.44	-11 43 24.5	4	809
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1992 OF6		1992 07 30.34028	21 55 49.34	-12 18 18.6	4	809
1992 OF6		1992 07 30.35069	21 55 48.82	-12 18 22.2	4	809
1992 OF6		1992 07 31.23750	21 55 08.25	-12 22 33.2	18.6	4 809
1992 OF6		1992 07 31.24792	21 55 07.71	-12 22 37.0	4	809
1992 OF6		1992 07 31.25833	21 55 07.22	-12 22 39.7	4	809
1992 OG6	*	1992 07 30.32986	21 55 59.56	-08 24 49.5	4	809
1992 OG6		1992 07 30.34028	21 55 59.01	-08 24 47.9	4	809
1992 OG6		1992 07 30.35069	21 55 58.35	-08 24 47.6	4	809
1992 OG6		1992 07 31.23750	21 55 13.73	-08 24 09.9	18.6	4 809
1992 OG6		1992 07 31.24792	21 55 13.17	-08 24 09.6	4	809
1992 OG6		1992 07 31.25833	21 55 12.59	-08 24 10.0	4	809
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1992 OH6		1992 07 30.34028	21 56 29.65	-09 45 27.5	4	809
1992 OH6		1992 07 30.35069	21 56 29.10	-09 45 30.2	4	809
1992 OH6		1992 07 31.23750	21 55 50.87	-09 48 38.6	18.7	4 809
1992 OH6		1992 07 31.24792	21 55 50.38	-09 48 40.9	4	809
1992 OH6		1992 07 31.25833	21 55 49.86	-09 48 43.4	4	809
1992 OJ6	*	1992 07 30.32986	21 56 30.13	-10 01 10.7	4	809
1992 OJ6		1992 07 30.34028	21 56 29.82	-10 01 20.8	4	809
1992 OJ6		1992 07 30.35069	21 56 29.47	-10 01 31.0	4	809
1992 OJ6		1992 07 31.23750	21 56 07.33	-10 15 23.6	18.6	4 809
1992 OJ6		1992 07 31.24792	21 56 07.02	-10 15 33.6	4	809

1992 OJ6		1992 07 31.25833	21 56 06.74	-10 15 43.5		4	809
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1992 OK6		1992 07 30.34028	21 57 21.29	-09 30 09.5		4	809
1992 OK6		1992 07 30.35069	21 57 20.94	-09 30 14.8		4	809
1992 OK6		1992 07 31.23750	21 56 59.96	-09 37 41.7	18.2	4	809
1992 OK6		1992 07 31.24792	21 56 59.63	-09 37 47.9		4	809
1992 OK6		1992 07 31.25833	21 56 59.28	-09 37 53.4		4	809
1992 OL6	*	1992 07 30.32986	21 57 35.36	-12 06 15.8		4	809
1992 OL6		1992 07 30.34028	21 57 34.86	-12 06 17.4		4	809
1992 OL6		1992 07 30.35069	21 57 34.41	-12 06 19.3		4	809
1992 OL6		1992 07 31.23750	21 56 58.43	-12 09 16.6	19.2	4	809
1992 OL6		1992 07 31.24792	21 56 57.94	-12 09 18.6		4	809
1992 OL6		1992 07 31.25833	21 56 57.41	-12 09 21.3		4	809
1992 OM6	*	1992 07 30.32986	21 57 49.06	-09 19 13.9		4	809
1992 OM6		1992 07 30.34028	21 57 48.58	-09 19 18.2		4	809
1992 OM6		1992 07 30.35069	21 57 48.09	-09 19 21.8		4	809
1992 OM6		1992 07 31.23750	21 57 12.66	-09 24 38.4	18.4	4	809
1992 OM6		1992 07 31.24792	21 57 12.20	-09 24 41.8		4	809
1992 OM6		1992 07 31.25833	21 57 11.67	-09 24 45.7		4	809
1992 ON6	*	1992 07 30.32986	21 58 01.97	-08 40 48.7		4	809
1992 ON6		1992 07 30.34028	21 58 01.43	-08 40 48.3		4	809
1992 ON6		1992 07 30.35069	21 58 00.93	-08 40 48.8		4	809
1992 ON6		1992 07 31.23750	21 57 23.44	-08 40 46.5	18.5	4	809
1992 ON6		1992 07 31.24792	21 57 22.91	-08 40 46.7		4	809
1992 ON6		1992 07 31.25833	21 57 22.44	-08 40 46.9		4	809
1992 OO6	*	1992 07 30.32986	21 58 30.95	-10 41 14.1		4	809
1992 OO6		1992 07 30.34028	21 58 30.33	-10 41 12.3		4	809
1992 OO6		1992 07 30.35069	21 58 29.67	-10 41 13.2		4	809
1992 OO6		1992 07 31.23750	21 57 43.12	-10 41 00.2	18.6	4	809
1992 OO6		1992 07 31.24792	21 57 42.52	-10 41 01.0		4	809
1992 OO6		1992 07 31.25833	21 57 41.92	-10 41 00.9		4	809
1992 OP6	*	1992 07 30.32986	21 58 41.40	-11 02 58.1	18.6	4	809
1992 OP6		1992 07 30.34028	21 58 40.95	-11 03 00.5		4	809
1992 OP6		1992 07 30.35069	21 58 40.47	-11 03 02.1		4	809
1992 OP6		1992 07 31.23750	21 58 00.60	-11 06 03.4	18.6	4	809
1992 OP6		1992 07 31.24792	21 58 00.05	-11 06 07.1		4	809
1992 OP6		1992 07 31.25833	21 57 59.61	-11 06 08.2		4	809
1992 OQ6	*	1992 07 30.32986	21 58 46.47	-10 58 20.5		4	809
1992 OQ6		1992 07 30.34028	21 58 46.09	-10 58 21.8		4	809
1992 OQ6		1992 07 30.35069	21 58 45.76	-10 58 23.3		4	809
1992 OQ6		1992 07 31.23750	21 58 13.55	-11 01 03.8	18.4	4	809
1992 OQ6		1992 07 31.24792	21 58 13.13	-11 01 05.9		4	809
1992 OQ6		1992 07 31.25833	21 58 12.65	-11 01 08.0		4	809
1992 OR6	*	1992 07 30.32986	21 59 02.51	-10 15 55.4		4	809
1992 OR6		1992 07 30.34028	21 59 02.11	-10 15 57.7		4	809
1992 OR6		1992 07 30.35069	21 59 01.69	-10 15 59.6		4	809
1992 OR6		1992 07 31.23750	21 58 29.35	-10 19 14.5	18.6	4	809
1992 OR6		1992 07 31.24792	21 58 28.95	-10 19 17.2		4	809
1992 OR6		1992 07 31.25833	21 58 28.50	-10 19 19.2		4	809
1992 OS6	*	1992 07 30.32986	22 00 45.46	-08 24 44.9		4	809
1992 OS6		1992 07 30.34028	22 00 45.02	-08 24 49.5		4	809
1992 OS6		1992 07 30.35069	22 00 44.56	-08 24 54.7		4	809
1992 OS6		1992 07 31.23750	22 00 17.70	-08 31 29.2	18.6	4	809
1992 OS6		1992 07 31.24792	22 00 17.36	-08 31 33.4		4	809
1992 OS6		1992 07 31.25833	22 00 16.95	-08 31 38.1		4	809
1992 OT6	*	1992 07 30.32986	22 00 53.07	-10 07 06.8		4	809
1992 OT6		1992 07 30.34028	22 00 52.48	-10 07 02.3		4	809
1992 OT6		1992 07 30.35069	22 00 51.94	-10 06 57.6		4	809
1992 OT6		1992 07 31.23750	22 00 07.16	-10 00 54.2	18.4	4	809

1992 OT6		1992 07 31.24792	22 00 06.56	-10 00 50.4		4	809
1992 OT6		1992 07 31.25833	22 00 05.97	-10 00 46.6		4	809
1992 OU6	*	1992 07 30.32986	22 01 02.18	-08 47 03.8		4	809
1992 OU6		1992 07 30.34028	22 01 01.72	-08 47 05.9		4	809
1992 OU6		1992 07 30.35069	22 01 01.12	-08 47 07.8		4	809
1992 OU6		1992 07 31.23750	22 00 24.62	-08 49 31.9	19.0	4	809
1992 OU6		1992 07 31.24792	22 00 24.21	-08 49 33.0		4	809
1992 OU6		1992 07 31.25833	22 00 23.73	-08 49 35.7		4	809
1992 OV6	*	1992 07 30.32986	22 01 04.27	-10 06 33.4		4	809
1992 OV6		1992 07 30.34028	22 01 03.81	-10 06 35.3		4	809
1992 OV6		1992 07 30.35069	22 01 03.27	-10 06 37.8		4	809
1992 OV6		1992 07 31.23750	22 00 28.12	-10 09 48.0	18.4	4	809
1992 OV6		1992 07 31.24792	22 00 27.66	-10 09 51.5		4	809
1992 OV6		1992 07 31.25833	22 00 27.18	-10 09 53.4		4	809
1992 OW6	*	1992 07 30.32986	22 01 39.99	-11 14 37.4		4	809
1992 OW6		1992 07 30.34028	22 01 39.49	-11 14 41.1		4	809
1992 OW6		1992 07 30.35069	22 01 39.07	-11 14 43.3		4	809
1992 OW6		1992 07 31.23750	22 01 00.19	-11 19 01.6	18.5	4	809
1992 OW6		1992 07 31.24792	22 00 59.69	-11 19 05.6		4	809
1992 OW6		1992 07 31.25833	22 00 59.17	-11 19 08.3		4	809
1992 OX6	*	1992 07 30.32986	22 01 54.27	-10 17 48.8		4	809
1992 OX6		1992 07 30.34028	22 01 53.80	-10 17 53.7		4	809
1992 OX6		1992 07 30.35069	22 01 53.39	-10 17 57.2		4	809
1992 OX6		1992 07 31.23750	22 01 23.47	-10 23 46.3	18.6	4	809
1992 OX6		1992 07 31.24792	22 01 22.99	-10 23 51.2		4	809
1992 OX6		1992 07 31.25833	22 01 22.52	-10 23 56.2		4	809
1992 OY6	*	1992 07 30.32986	22 01 55.47	-09 13 25.7		4	809
1992 OY6		1992 07 30.34028	22 01 55.00	-09 13 27.4		4	809
1992 OY6		1992 07 30.35069	22 01 54.56	-09 13 30.2		4	809
1992 OY6		1992 07 31.23750	22 01 16.10	-09 16 52.8	19.2	4	809
1992 OY6		1992 07 31.24792	22 01 15.57	-09 16 54.7		4	809
1992 OY6		1992 07 31.25833	22 01 15.06	-09 16 57.8		4	809
1992 OZ6	*	1992 07 30.32986	22 02 41.40	-08 55 02.2		4	809
1992 OZ6		1992 07 30.34028	22 02 40.89	-08 55 04.2		4	809
1992 OZ6		1992 07 30.35069	22 02 40.36	-08 55 06.0		4	809
1992 OZ6		1992 07 31.23750	22 02 01.69	-08 58 16.5	18.5	4	809
1992 OZ6		1992 07 31.24792	22 02 01.18	-08 58 19.4		4	809
1992 OZ6		1992 07 31.25833	22 02 00.68	-08 58 22.3		4	809
1992 OA7	*	1992 07 30.32986	22 03 08.28	-11 25 13.3		4	809
1992 OA7		1992 07 30.34028	22 03 07.91	-11 25 18.3		4	809
1992 OA7		1992 07 30.35069	22 03 07.46	-11 25 22.4		4	809
1992 OA7		1992 07 31.23750	22 02 38.31	-11 31 49.7	18.4	4	809
1992 OA7		1992 07 31.24792	22 02 37.94	-11 31 54.4		4	809
1992 OA7		1992 07 31.25833	22 02 37.51	-11 31 58.7		4	809
1992 OB7	*	1992 07 30.32986	22 05 12.37	-10 08 18.4		4	809
1992 OB7		1992 07 30.34028	22 05 11.81	-10 08 18.5		4	809
1992 OB7		1992 07 30.35069	22 05 11.27	-10 08 19.7		4	809
1992 OB7		1992 07 31.23750	22 04 35.39	-10 09 27.7	18.5	4	809
1992 OB7		1992 07 31.24792	22 04 34.86	-10 09 29.7		4	809
1992 OB7		1992 07 31.25833	22 04 34.37	-10 09 30.6		4	809
1992 OC7	*	1992 07 30.32986	22 06 14.24	-10 29 38.6		4	809
1992 OC7		1992 07 30.34028	22 06 13.71	-10 29 39.8		4	809
1992 OC7		1992 07 30.35069	22 06 13.35	-10 29 41.2		4	809
1992 OC7		1992 07 31.23750	22 05 39.38	-10 31 46.8	18.5	4	809
1992 OC7		1992 07 31.24792	22 05 38.91	-10 31 48.9		4	809
1992 OC7		1992 07 31.25833	22 05 38.48	-10 31 50.3		4	809
1992 OD7	*	1992 07 30.32986	22 06 14.26	-10 51 40.2		4	809
1992 OD7		1992 07 30.34028	22 06 13.82	-10 51 45.2		4	809
1992 OD7		1992 07 30.35069	22 06 13.40	-10 51 49.9		4	809

1992 OD7		1992 07 31.23750	22 05 41.99	-10 58 43.6	18.5	4	809
1992 OD7		1992 07 31.24792	22 05 41.56	-10 58 49.1		4	809
1992 OD7		1992 07 31.25833	22 05 41.09	-10 58 54.2		4	809
1992 OE7		1992 07 24.24792	21 22 01.44	-14 50 56.5		4	809
1992 OE7		1992 07 24.25833	21 22 00.80	-14 50 55.4		4	809
1992 OE7		1992 07 24.26875	21 22 00.16	-14 50 53.1		4	809
1992 OE7	*	1992 07 26.22083	21 20 11.79	-14 45 39.8	18.5	4	809
1992 OE7		1992 07 26.23125	21 20 11.17	-14 45 38.7		4	809
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1992 OE7		1992 07 30.25833	21 16 15.80	-14 35 14.3	18.3	4	809
1992 OE7		1992 07 30.26875	21 16 15.06	-14 35 12.1		4	809
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1992 OF7	*	1992 07 18.98958	18 53 00.40	-23 18 09.2	16.8	3	809
1992 OF7		1992 07 18.99930	18 52 59.90	-23 18 12.5		3	809
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1992 OF7		1992 07 19.98541	18 52 08.96	-23 23 35.1		3	809
1992 OF7		1992 07 19.99513	18 52 08.47	-23 23 38.3		3	809
1992 OF7		1992 07 20.97430	18 51 18.92	-23 28 55.0		3	809
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1992 OF7		1992 07 20.99374	18 51 17.97	-23 29 01.6		3	809
1992 OG7	*	1992 07 19.02431	19 12 51.34	-21 54 33.6	16.9	3	809
1992 OG7		1992 07 19.03125	19 12 50.99	-21 54 36.5		3	809
1992 OG7		1992 07 19.03819	19 12 50.63	-21 54 39.3		3	809
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1992 OG7		1992 07 20.01355	19 12 01.18	-22 01 26.4		3	809
1992 OG7		1992 07 20.02118	19 12 00.82	-22 01 29.6		3	809
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1992 OH7		1992 07 19.03125	19 14 40.11	-22 36 15.5		3	809
1992 OH7		1992 07 19.03819	19 14 39.76	-22 36 14.6		3	809
1992 OH7		1992 07 20.00591	19 13 49.75	-22 33 33.7		3	809
1992 OH7		1992 07 20.01355	19 13 49.36	-22 33 32.5		3	809
1992 OH7		1992 07 20.02118	19 13 48.96	-22 33 31.6		3	809
1992 OJ7	*	1992 07 19.05139	19 38 57.38	-22 15 51.5	16.8	3	809
1992 OJ7		1992 07 19.06111	19 38 56.75	-22 15 56.2		3	809
1992 OJ7		1992 07 19.07083	19 38 56.15	-22 16 00.9		3	809
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1992 OJ7		1992 07 21.05000	19 36 50.73	-22 32 06.1		3	809
1992 OJ7		1992 07 21.05972	19 36 50.12	-22 32 10.6		3	809
1992 OK7	*	1992 07 19.05139	19 40 29.11	-22 22 55.8	17.9	3	809
1992 OK7		1992 07 19.06111	19 40 28.87	-22 22 58.4		3	809
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1992 OK7		1992 07 21.05972	19 39 38.17	-22 32 08.5		3	809
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1992 OL7		1992 07 19.06111	19 42 28.19	-22 37 27.6		3	809
1992 OL7		1992 07 19.07083	19 42 27.71	-22 37 29.4		3	809
1992 OL7		1992 07 20.03125	19 41 39.86	-22 40 03.9		3	809
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1992 OL7		1992 07 21.04028	19 40 49.27	-22 42 44.4		3	809
1992 OL7		1992 07 21.05000	19 40 48.77	-22 42 46.0		3	809
1992 OL7		1992 07 21.05972	19 40 48.29	-22 42 47.3		3	809
1992 OM7	*	1992 07 19.05139	19 43 23.14	-21 05 59.3	16.3	3	809
1992 OM7		1992 07 19.06111	19 43 22.64	-21 06 00.0		3	809
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1992 OM7		1992 07 24.04167	19 38 51.17	-21 10 31.7		3	809
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1992 OM7		1992 07 26.06076	19 37 03.74	-21 12 10.0		3	809
1992 OM7		1992 07 26.07813	19 37 02.82	-21 12 10.7		3	809
1992 OM7		1992 07 26.09549	19 37 01.87	-21 12 11.5		3	809
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1992 ON7		1992 07 19.06111	19 44 54.23	-22 10 31.1		3	809
1992 ON7		1992 07 19.07083	19 44 53.86	-22 10 31.7		3	809
1992 ON7		1992 07 21.04028	19 43 36.14	-22 12 30.6		3	809
1992 ON7		1992 07 21.05000	19 43 35.76	-22 12 31.2		3	809
1992 ON7		1992 07 21.05972	19 43 35.37	-22 12 31.8		3	809
1992 OO7	*	1992 07 20.06389	19 44 43.45	-19 31 05.8	16.9	3	809
1992 OO7		1992 07 20.07361	19 44 42.85	-19 31 04.7		3	809
1992 OO7		1992 07 20.08333	19 44 42.24	-19 31 03.9		3	809
1992 OO7		1992 07 21.07153	19 43 41.23	-19 29 34.2		3	809
1992 OO7		1992 07 21.08125	19 43 40.63	-19 29 33.4		3	809
1992 OO7		1992 07 21.09097	19 43 40.04	-19 29 32.6		3	809
1992 OP7	*	1992 07 20.09514	20 19 59.82	-21 43 11.7	16.0	3	809
1992 OP7		1992 07 20.10486	20 19 59.29	-21 43 12.1		3	809
1992 OP7		1992 07 20.11458	20 19 58.76	-21 43 12.4		3	809
1992 OP7		1992 07 21.10695	20 19 04.92	-21 43 21.2		3	809
1992 OP7		1992 07 21.11667	20 19 04.40	-21 43 21.3		3	809
1992 OP7		1992 07 21.12639	20 19 03.86	-21 43 21.6		3	809
1992 OP7		1992 07 28.08716	20 12 42.28	-21 43 32.4		3	809
1992 OP7		1992 07 28.09757	20 12 41.71	-21 43 32.3		3	809
1992 OP7		1992 07 28.10799	20 12 41.15	-21 43 32.3		3	809
1992 OP7		1992 07 30.10730	20 10 51.81	-21 43 13.7		3	809
1992 OP7		1992 07 30.11771	20 10 51.26	-21 43 13.6		3	809
1992 OP7		1992 07 30.12813	20 10 50.69	-21 43 13.4		3	809
1992 OP7		1992 07 31.20486	20 09 52.26	-21 43 00.0		3	809
1992 OP7		1992 07 31.21320	20 09 51.81	-21 42 59.9		3	809
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1992 OP7		1992 08 04.03542	20 06 28.84	-21 41 41.6		3	809
1992 OP7		1992 08 04.04097	20 06 28.53	-21 41 41.6		3	809
1992 OP7		1992 08 04.04652	20 06 28.23	-21 41 41.6		3	809
1992 OP7		1992 08 05.00278	20 05 38.55	-21 41 15.2		3	809
1992 OP7		1992 08 05.00833	20 05 38.27	-21 41 15.0		3	809
1992 OP7		1992 08 05.01388	20 05 37.97	-21 41 14.8		3	809
1992 OP7		1992 08 06.27708	20 04 32.94	-21 40 36.6		3	809
1992 OP7		1992 08 06.28542	20 04 32.51	-21 40 36.3		3	809
1992 OP7		1992 08 06.29375	20 04 32.08	-21 40 35.6		3	809
1992 OP7		1992 08 08.03473	20 03 04.90	-21 39 33.4		3	809
1992 OP7		1992 08 08.04584	20 03 04.35	-21 39 33.2		3	809
1992 OP7		1992 08 08.05695	20 03 03.81	-21 39 32.8		3	809
1992 OQ7	*	1992 07 20.09514	20 23 51.70	-19 44 33.3	17.5	3	809
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1992 OQ7		1992 07 21.10695	20 23 04.22	-19 47 11.5		3	809
1992 OQ7		1992 07 21.11667	20 23 03.78	-19 47 13.3		3	809
1992 OQ7		1992 07 21.12639	20 23 03.33	-19 47 14.7		3	809
1992 OR7	*	1992 07 20.09514	20 23 56.76	-19 56 23.0	17.4	3	809
1992 OR7		1992 07 20.10486	20 23 56.28	-19 56 26.0		3	809
1992 OR7		1992 07 20.11458	20 23 55.77	-19 56 28.9		3	809
1992 OR7		1992 07 21.10695	20 23 04.17	-20 01 15.6		3	809

1992 OR7		1992 07 21.11667	20 23 03.69	-20 01 18.6		3	809
1992 OR7		1992 07 21.12639	20 23 03.18	-20 01 21.3		3	809
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1992 OS7		1992 07 21.10695	20 22 44.94	-21 08 24.1		3	809
1992 OS7		1992 07 21.11667	20 22 44.16	-21 08 24.6		3	809
1992 OS7		1992 07 21.12639	20 22 43.37	-21 08 25.4		3	809
1992 OT7	*	1992 07 20.09514	20 25 36.55	-19 58 15.6	17.5	3	809
1992 OT7		1992 07 20.10486	20 25 36.03	-19 58 15.8		3	809
1992 OT7		1992 07 20.11458	20 25 35.49	-19 58 15.8		3	809
1992 OT7		1992 07 21.10695	20 24 40.94	-19 58 21.5		3	809
1992 OT7		1992 07 21.11667	20 24 40.41	-19 58 21.7		3	809
1992 OT7		1992 07 21.12639	20 24 39.88	-19 58 21.8		3	809
1992 OU7	*	1992 07 20.09514	20 26 05.49	-20 49 14.1	17.0	3	809
1992 OU7		1992 07 20.10486	20 26 04.91	-20 49 17.5		3	809
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1992 OU7		1992 07 21.10695	20 25 06.88	-20 55 16.3		3	809
1992 OU7		1992 07 21.11667	20 25 06.32	-20 55 19.8		3	809
1992 OU7		1992 07 21.12639	20 25 05.76	-20 55 23.2		3	809
1992 OV7	*	1992 07 21.13646	20 18 48.73	-18 19 31.0	17.1	3	809
1992 OV7		1992 07 21.14549	20 18 48.17	-18 19 33.2		3	809
1992 OV7		1992 07 21.15451	20 18 47.63	-18 19 35.5		3	809
1992 OV7		1992 07 22.05660	20 17 53.92	-18 23 17.1		3	809
1992 OV7		1992 07 22.06563	20 17 53.38	-18 23 19.3		3	809
1992 OV7		1992 07 22.07465	20 17 52.85	-18 23 21.4		3	809
1992 OW7	*	1992 07 21.13646	20 21 11.22	-18 02 23.4	17.0	3	809
1992 OW7		1992 07 21.14549	20 21 10.77	-18 02 27.3		3	809
1992 OW7		1992 07 21.15451	20 21 10.32	-18 02 31.2		3	809
1992 OW7		1992 07 22.05660	20 20 27.52	-18 08 44.1		3	809
1992 OW7		1992 07 22.06563	20 20 27.09	-18 08 47.5		3	809
1992 OW7		1992 07 22.07465	20 20 26.67	-18 08 51.2		3	809
1992 OX7	*	1992 07 21.13646	20 21 58.39	-18 45 12.1	17.2	3	809
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1992 OX7		1992 07 22.06563	20 21 11.84	-18 46 32.5		3	809
1992 OX7		1992 07 22.07465	20 21 11.41	-18 46 33.3		3	809
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1992 OY7		1992 07 23.97534	19 07 46.66	-18 24 24.0		3	809
1992 OY7		1992 07 23.98438	19 07 46.21	-18 24 22.1		3	809
1992 OY7		1992 07 23.99341	19 07 45.75	-18 24 20.1		3	809
1992 OY7		1992 07 25.97188	19 06 09.22	-18 17 08.9		3	809
1992 OY7		1992 07 25.98090	19 06 08.79	-18 17 07.0		3	809
1992 OY7		1992 07 25.98993	19 06 08.35	-18 17 05.1		3	809
1992 OY7		1992 07 26.97188	19 05 21.98	-18 13 34.9		3	809
1992 OY7		1992 07 26.98090	19 05 21.56	-18 13 33.0		3	809
1992 OY7		1992 07 26.98993	19 05 21.12	-18 13 31.1		3	809
1992 OY7		1992 07 27.97014	19 04 36.10	-18 10 01.6		3	809
1992 OY7		1992 07 27.97986	19 04 35.64	-18 09 59.5		3	809
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1992 OY7		1992 07 29.99548	19 03 07.16	-18 02 57.0		3	809
1992 OY7		1992 07 30.00591	19 03 06.70	-18 02 55.2		3	809
1992 OY7		1992 07 30.01633	19 03 06.25	-18 02 53.1		3	809
1992 OY7		1992 07 30.98367	19 02 25.75	-17 59 30.0		3	809
1992 OY7		1992 07 30.99410	19 02 25.31	-17 59 27.8		3	809
1992 OY7		1992 07 31.00104	19 02 25.00	-17 59 26.4		3	809

1992 OZ7	*	1992 07 21.99896	19 36 28.61	-17 51 52.6	17.2	3	809
1992 OZ7		1992 07 22.00798	19 36 28.34	-17 51 52.5		3	809
1992 OZ7		1992 07 22.01701	19 36 28.10	-17 51 52.3		3	809
1992 OZ7		1992 07 23.05313	19 35 59.00	-17 51 24.5		3	809
1992 OZ7		1992 07 23.06215	19 35 58.76	-17 51 24.1		3	809
1992 OZ7		1992 07 23.07118	19 35 58.51	-17 51 23.9		3	809
1992 OA8	*	1992 07 22.11354	19 48 49.07	-19 01 18.8	17.0	3	809
1992 OA8		1992 07 22.12257	19 48 48.52	-19 01 20.2		3	809
1992 OA8		1992 07 22.13159	19 48 47.96	-19 01 21.7		3	809
1992 OA8		1992 07 23.14027	19 47 46.24	-19 04 02.6		3	809
1992 OA8		1992 07 23.14861	19 47 45.73	-19 04 03.6		3	809
1992 OA8		1992 07 23.15695	19 47 45.23	-19 04 04.9		3	809
1992 OB8	*	1992 07 22.11354	19 49 23.17	-19 41 37.8	17.3	3	809
1992 OB8		1992 07 22.12257	19 49 22.62	-19 41 37.3		3	809
1992 OB8		1992 07 22.13159	19 49 22.05	-19 41 36.9		3	809
1992 OB8		1992 07 23.14027	19 48 20.81	-19 40 33.4		3	809
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1992 OB8		1992 07 23.15695	19 48 19.80	-19 40 32.7		3	809
1992 OC8	*	1992 07 22.11354	19 51 46.20	-19 07 00.1	17.3	3	809
1992 OC8		1992 07 22.12257	19 51 45.73	-19 07 02.0		3	809
1992 OC8		1992 07 22.13159	19 51 45.26	-19 07 03.6		3	809
1992 OC8		1992 07 23.14027	19 50 53.33	-19 10 11.1		3	809
1992 OC8		1992 07 23.14861	19 50 52.90	-19 10 12.4		3	809
1992 OC8		1992 07 23.15695	19 50 52.47	-19 10 14.1		3	809
1992 OD8	*	1992 07 22.11354	19 51 53.74	-19 42 10.1	17.3	3	809
1992 OD8		1992 07 22.12257	19 51 53.18	-19 42 11.6		3	809
1992 OD8		1992 07 22.13159	19 51 52.60	-19 42 12.9		3	809
1992 OD8		1992 07 23.14027	19 50 48.96	-19 44 11.9		3	809
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1992 OD8		1992 07 23.15695	19 50 47.92	-19 44 13.6		3	809
1992 OE8	*	1992 07 22.14201	20 09 26.01	-20 04 33.2	16.9	3	809
1992 OE8		1992 07 22.15105	20 09 25.57	-20 04 36.0		3	809
1992 OE8		1992 07 22.16006	20 09 25.12	-20 04 38.3		3	809
1992 OE8		1992 07 23.16945	20 08 36.32	-20 09 50.7		3	809
1992 OE8		1992 07 23.17778	20 08 35.92	-20 09 53.2		3	809
1992 OE8		1992 07 23.18611	20 08 35.54	-20 09 55.4		3	809
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1992 OE8		1992 07 28.04895	20 04 41.13	-20 34 36.2		3	809
1992 OE8		1992 07 28.06076	20 04 40.58	-20 34 40.1		3	809
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1992 OE8		1992 07 30.08229	20 03 03.91	-20 44 45.6		3	809
1992 OE8		1992 07 30.09271	20 03 03.43	-20 44 48.8		3	809
1992 OF8	*	1992 07 22.14201	20 12 20.28	-21 32 46.2	17.0	3	809
1992 OF8		1992 07 22.15105	20 12 19.76	-21 32 49.9		3	809
1992 OF8		1992 07 22.16006	20 12 19.26	-21 32 53.5		3	809
1992 OF8		1992 07 23.16945	20 11 23.78	-21 40 05.9		3	809
1992 OF8		1992 07 23.17778	20 11 23.33	-21 40 09.4		3	809
1992 OF8		1992 07 23.18611	20 11 22.89	-21 40 12.9		3	809
1992 OG8	*	1992 07 22.14201	20 12 45.07	-19 56 50.7	17.4	3	809
1992 OG8		1992 07 22.15105	20 12 44.52	-19 56 54.1		3	809
1992 OG8		1992 07 22.16006	20 12 43.94	-19 56 57.3		3	809
1992 OG8		1992 07 23.16945	20 11 41.56	-20 03 03.2		3	809
1992 OG8		1992 07 23.17778	20 11 41.05	-20 03 06.3		3	809
1992 OG8		1992 07 23.18611	20 11 40.52	-20 03 09.1		3	809
1992 OH8	*	1992 07 22.14201	20 15 16.73	-19 47 57.2	16.8	3	809
1992 OH8		1992 07 22.15105	20 15 16.31	-19 47 59.9		3	809

1992 OH8		1992 07 22.16006	20 15 15.88	-19 48 02.7		3	809
1992 OH8		1992 07 23.16945	20 14 28.64	-19 53 08.5		3	809
1992 OH8		1992 07 23.17778	20 14 28.25	-19 53 10.9		3	809
1992 OH8		1992 07 23.18611	20 14 27.89	-19 53 13.6		3	809
1992 OJ8	*	1992 07 22.14201	20 15 20.57	-19 54 41.6	16.6	3	809
1992 OJ8		1992 07 22.15105	20 15 19.99	-19 54 40.8		3	809
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1992 OJ8		1992 07 23.16945	20 14 14.27	-19 52 39.8		3	809
1992 OJ8		1992 07 23.17778	20 14 13.73	-19 52 39.0		3	809
1992 OJ8		1992 07 23.18611	20 14 13.19	-19 52 38.3		3	809
1992 OJ8		1992 07 27.12118	20 09 59.69	-19 44 36.9		3	809
1992 OJ8		1992 07 27.13855	20 09 58.54	-19 44 34.5		3	809
1992 OJ8		1992 07 27.15590	20 09 57.43	-19 44 32.3		3	809
1992 OJ8		1992 07 28.08716	20 08 58.03	-19 42 34.5	16.0	3	809
1992 OJ8		1992 07 28.09757	20 08 57.34	-19 42 32.7		3	809
1992 OJ8		1992 07 28.10799	20 08 56.71	-19 42 31.4		3	809
1992 OJ8		1992 07 28.13229	20 08 54.97	-19 42 27.7		3	809
1992 OJ8		1992 07 28.14966	20 08 53.86	-19 42 25.5		3	809
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1992 OJ8		1992 07 31.17847	20 05 43.38	-19 35 50.5		3	809
1992 OJ8		1992 07 31.18680	20 05 42.86	-19 35 49.4		3	809
1992 OJ8		1992 07 31.19514	20 05 42.33	-19 35 48.1		3	809
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1992 OJ8		1992 08 04.02222	20 01 52.85	-19 27 02.3		3	809
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1992 OJ8		1992 08 05.03264	20 00 54.57	-19 24 38.5		3	809
1992 OK8	*	1992 07 22.14201	20 15 36.60	-20 25 16.7	16.8	3	809
1992 OK8		1992 07 22.15105	20 15 36.04	-20 25 15.7		3	809
1992 OK8		1992 07 22.16006	20 15 35.48	-20 25 15.3		3	809
1992 OK8		1992 07 23.16945	20 14 33.01	-20 23 47.5		3	809
1992 OK8		1992 07 23.17778	20 14 32.50	-20 23 46.7		3	809
1992 OK8		1992 07 23.18611	20 14 31.99	-20 23 45.9		3	809
1992 OK8		1992 07 28.08716	20 09 32.03	-20 16 18.8		3	809
1992 OK8		1992 07 28.09757	20 09 31.39	-20 16 17.6		3	809
1992 OK8		1992 07 28.10799	20 09 30.75	-20 16 16.6		3	809
1992 OL8	*	1992 07 22.16980	20 11 04.07	-19 22 42.5	17.3	3	809
1992 OL8		1992 07 22.17882	20 11 03.57	-19 22 45.8		3	809
1992 OL8		1992 07 22.18785	20 11 03.05	-19 22 48.8		3	809
1992 OL8		1992 07 23.20139	20 10 06.93	-19 28 44.9		3	809
1992 OL8		1992 07 23.20972	20 10 06.43	-19 28 47.7		3	809
1992 OL8		1992 07 24.13020	20 09 15.49	-19 34 12.3		3	809
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1992 OL8		1992 07 24.14827	20 09 14.52	-19 34 18.8		3	809
1992 OL8		1992 07 27.12118	20 06 28.82	-19 51 44.3		3	809
1992 OL8		1992 07 27.13855	20 06 27.85	-19 51 50.3		3	809
1992 OL8		1992 07 27.15590	20 06 26.89	-19 51 56.3		3	809
1992 OL8		1992 07 28.13229	20 05 32.90	-19 57 36.4		3	809
1992 OL8		1992 07 28.14966	20 05 31.96	-19 57 42.4		3	809
1992 OL8		1992 07 28.16701	20 05 31.01	-19 57 48.5		3	809
1992 OM8	*	1992 07 22.16980	20 12 52.00	-18 43 57.6	17.2	3	809
1992 OM8		1992 07 22.17882	20 12 51.51	-18 43 59.3		3	809
1992 OM8		1992 07 22.18785	20 12 50.99	-18 44 00.7		3	809
1992 OM8		1992 07 24.13020	20 11 02.09	-18 50 19.7		3	809
1992 OM8		1992 07 24.13924	20 11 01.59	-18 50 21.4		3	809
1992 OM8		1992 07 24.14827	20 11 01.08	-18 50 23.2		3	809
1992 OM8		1992 07 27.12118	20 08 14.86	-18 59 57.7		3	809
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1992 OM8		1992 07 27.15590	20 08 12.90	-19 00 04.2		3	809
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1992 OM8		1992 07 31.18680	20 04 31.78	-19 12 45.5		3	809
1992 OM8		1992 07 31.19514	20 04 31.33	-19 12 47.0		3	809
1992 ON8	*	1992 07 22.16980	20 13 30.81	-19 14 35.1	16.9	3	809
1992 ON8		1992 07 22.17882	20 13 30.27	-19 14 34.1		3	809
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1992 ON8		1992 07 26.21494	20 09 29.82	-19 07 53.8		3	809
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1992 ON8		1992 07 27.12118	20 08 36.20	-19 06 23.2		3	809
1992 ON8		1992 07 27.13855	20 08 35.18	-19 06 21.5		3	809
1992 ON8		1992 07 27.15590	20 08 34.17	-19 06 19.9		3	809
1992 ON8		1992 07 28.13229	20 07 36.35	-19 04 41.2		3	809
1992 ON8		1992 07 28.14966	20 07 35.33	-19 04 39.7		3	809
1992 ON8		1992 07 28.16701	20 07 34.28	-19 04 37.9		3	809
1992 ON8		1992 07 31.17847	20 04 38.81	-18 59 20.6		3	809
1992 ON8		1992 07 31.18680	20 04 38.30	-18 59 20.2		3	809
1992 ON8		1992 07 31.19514	20 04 37.81	-18 59 19.6		3	809
1992 OO8	*	1992 07 22.16980	20 14 15.28	-19 28 00.0	17.9	3	809
1992 OO8		1992 07 22.17882	20 14 14.80	-19 28 01.1		3	809
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1992 OO8		1992 07 23.20139	20 13 21.51	-19 30 29.1		3	809
1992 OO8		1992 07 23.20972	20 13 21.07	-19 30 31.0		3	809
1992 OO8		1992 07 24.13020	20 12 33.27	-19 32 42.4		3	809
1992 OO8		1992 07 24.13924	20 12 32.83	-19 32 43.8		3	809
1992 OO8		1992 07 24.14827	20 12 32.37	-19 32 44.9		3	809
1992 OO8		1992 07 27.12118	20 09 57.69	-19 39 46.8		3	809
1992 OO8		1992 07 27.13855	20 09 56.76	-19 39 49.0		3	809
1992 OO8		1992 07 27.15590	20 09 55.86	-19 39 51.1		3	809
1992 OO8		1992 07 28.13229	20 09 05.30	-19 42 07.8		3	809
1992 OO8		1992 07 28.14966	20 09 04.40	-19 42 10.2		3	809
1992 OO8		1992 07 28.16701	20 09 03.51	-19 42 12.6		3	809
1992 OO8		1992 07 31.17847	20 06 29.44	-19 49 02.7		3	809
1992 OO8		1992 07 31.18680	20 06 29.01	-19 49 03.9		3	809
1992 OO8		1992 07 31.19514	20 06 28.59	-19 49 05.0		3	809
1992 OP8	*	1992 07 22.16980	20 14 40.06	-18 38 35.5	17.7	3	809
1992 OP8		1992 07 22.17882	20 14 39.57	-18 38 37.4		3	809
1992 OP8		1992 07 22.18785	20 14 39.08	-18 38 39.3		3	809
1992 OP8		1992 07 24.13020	20 12 54.35	-18 45 48.9		3	809
1992 OP8		1992 07 24.13924	20 12 53.86	-18 45 51.0		3	809
1992 OP8		1992 07 24.14827	20 12 53.38	-18 45 52.9		3	809
1992 OQ8	*	1992 07 23.08333	19 39 16.61	-24 39 41.6	17.0	3	809
1992 OQ8		1992 07 23.09167	19 39 16.17	-24 39 43.2		3	809
1992 OQ8		1992 07 23.10001	19 39 15.71	-24 39 45.2		3	809
1992 OQ8		1992 07 26.11076	19 36 25.62	-24 51 40.5		3	809
1992 OQ8		1992 07 26.11980	19 36 25.11	-24 51 42.5		3	809
1992 OQ8		1992 07 26.12881	19 36 24.59	-24 51 44.5		3	809
1992 OR8	*	1992 07 23.08333	19 43 50.61	-24 35 58.3	17.0	3	809
1992 OR8		1992 07 23.09167	19 43 50.14	-24 35 59.8		3	809
1992 OR8		1992 07 23.10001	19 43 49.69	-24 36 01.5		3	809
1992 OR8		1992 07 26.11076	19 41 00.93	-24 45 58.4		3	809
1992 OR8		1992 07 26.11980	19 41 00.44	-24 46 00.3		3	809
1992 OR8		1992 07 26.12881	19 40 59.92	-24 46 01.7		3	809
1992 OS8	*	1992 07 24.09862	19 59 51.96	-21 27 32.2	17.0	3	809
1992 OS8		1992 07 24.10695	19 59 51.49	-21 27 33.2		3	809
1992 OS8		1992 07 24.11528	19 59 51.01	-21 27 34.4		3	809

1992 OS8		1992 07 26.14166	19 57 54.67	-21 30 55.7		3	809
1992 OS8		1992 07 26.14999	19 57 54.18	-21 30 56.7		3	809
1992 OS8		1992 07 26.15833	19 57 53.71	-21 30 57.7		3	809
1992 OT8	*	1992 07 24.09862	20 05 33.80	-20 22 33.6	17.4	3	809
1992 OT8		1992 07 24.10695	20 05 33.36	-20 22 36.6		3	809
1992 OT8		1992 07 24.11528	20 05 32.89	-20 22 39.8		3	809
1992 OT8		1992 07 26.14166	20 03 40.47	-20 35 47.3		3	809
1992 OT8		1992 07 26.14999	20 03 39.99	-20 35 50.7		3	809
1992 OT8		1992 07 26.15833	20 03 39.51	-20 35 53.8		3	809
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1992 OT8		1992 07 27.05313	20 02 50.13	-20 41 37.5		3	809
1992 OT8		1992 07 27.06493	20 02 49.47	-20 41 42.0		3	809
1992 OT8		1992 07 28.04895	20 01 55.32	-20 48 01.9		3	809
1992 OT8		1992 07 28.06076	20 01 54.68	-20 48 06.3		3	809
1992 OT8		1992 07 28.07257	20 01 54.02	-20 48 10.9		3	809
1992 OT8		1992 07 30.07187	20 00 04.02	-21 00 52.5		3	809
1992 OT8		1992 07 30.08229	20 00 03.44	-21 00 56.5		3	809
1992 OT8		1992 07 30.09271	20 00 02.88	-21 01 00.5		3	809
1992 OU8	*	1992 07 24.15973	20 08 06.50	-16 22 36.6	17.4	3	809
1992 OU8		1992 07 24.16806	20 08 06.02	-16 22 38.6		3	809
1992 OU8		1992 07 24.17639	20 08 05.52	-16 22 40.6		3	809
1992 OU8		1992 07 26.17014	20 06 05.93	-16 30 00.6		3	809
1992 OU8		1992 07 26.17847	20 06 05.42	-16 30 02.4		3	809
1992 OU8		1992 07 26.18680	20 06 04.92	-16 30 04.0		3	809
1992 OV8	*	1992 07 24.15973	20 10 14.18	-16 56 37.8	16.8	3	809
1992 OV8		1992 07 24.16806	20 10 13.80	-16 56 40.3		3	809
1992 OV8		1992 07 24.17639	20 10 13.43	-16 56 42.9		3	809
1992 OV8		1992 07 26.17014	20 08 40.99	-17 06 47.4		3	809
1992 OV8		1992 07 26.17847	20 08 40.59	-17 06 50.1		3	809
1992 OV8		1992 07 26.18680	20 08 40.22	-17 06 52.4		3	809
1992 OW8	*	1992 07 24.19028	20 38 55.94	-24 27 27.7		3	809
1992 OW8		1992 07 24.19861	20 38 55.39	-24 27 29.1		3	809
1992 OW8		1992 07 24.20694	20 38 54.84	-24 27 30.4		3	809
1992 OW8		1992 07 26.27292	20 36 38.47	-24 33 38.7		3	809
1992 OW8		1992 07 26.28125	20 36 37.91	-24 33 40.3		3	809
1992 OW8		1992 07 26.28958	20 36 37.35	-24 33 41.5		3	809
1992 OX8	*	1992 07 24.19028	20 40 45.33	-23 58 28.2	17.0	3	809
1992 OX8		1992 07 24.19861	20 40 44.80	-23 58 28.7		3	809
1992 OX8		1992 07 24.20694	20 40 44.28	-23 58 29.2		3	809
1992 OX8		1992 07 26.27292	20 38 32.06	-24 00 25.0		3	809
1992 OX8		1992 07 26.28125	20 38 31.53	-24 00 25.5		3	809
1992 OX8		1992 07 26.28958	20 38 31.01	-24 00 26.0		3	809
1992 OY8	*	1992 07 24.19028	20 41 43.23	-24 56 13.6	16.8	3	809
1992 OY8		1992 07 24.19861	20 41 42.71	-24 56 15.3		3	809
1992 OY8		1992 07 24.20694	20 41 42.17	-24 56 17.1		3	809
1992 OY8		1992 07 26.27292	20 39 32.49	-25 03 51.5		3	809
1992 OY8		1992 07 26.28125	20 39 31.97	-25 03 53.5		3	809
1992 OY8		1992 07 26.28958	20 39 31.45	-25 03 55.4		3	809
1992 OZ8	*	1992 07 24.19028	20 43 23.24	-24 02 19.3	17.0	3	809
1992 OZ8		1992 07 24.19861	20 43 22.72	-24 02 20.8		3	809
1992 OZ8		1992 07 24.20694	20 43 22.21	-24 02 22.6		3	809
1992 OZ8		1992 07 26.27292	20 41 15.56	-24 09 35.8		3	809
1992 OZ8		1992 07 26.28125	20 41 15.05	-24 09 37.5		3	809
1992 OZ8		1992 07 26.28958	20 41 14.54	-24 09 39.5		3	809
1992 OA9	*	1992 07 24.22778	20 41 24.23	-21 56 53.8	16.7	3	809
1992 OA9		1992 07 24.23611	20 41 23.70	-21 56 55.5		3	809
1992 OA9		1992 07 24.24445	20 41 23.19	-21 56 57.6		3	809
1992 OA9		1992 07 26.30000	20 39 16.82	-22 04 30.4		3	809
1992 OA9		1992 07 26.30833	20 39 16.30	-22 04 32.0		3	809

1992 OA9		1992 07 26.31667	20 39 15.79	-22 04 33.8		3	809
1992 OB9	*	1992 07 24.22778	20 44 30.59	-21 36 38.7	16.0	3	809
1992 OB9		1992 07 24.23611	20 44 30.18	-21 36 43.5		3	809
1992 OB9		1992 07 24.24445	20 44 29.80	-21 36 48.5		3	809
1992 OB9		1992 07 26.30000	20 42 53.43	-21 57 41.6		3	809
1992 OB9		1992 07 26.30833	20 42 53.05	-21 57 46.5		3	809
1992 OB9		1992 07 26.31667	20 42 52.64	-21 57 51.5		3	809
1992 OB9		1992 07 30.18854	20 39 48.36	-22 36 37.2		3	809
1992 OB9		1992 07 30.20035	20 39 47.77	-22 36 44.2		3	809
1992 OB9		1992 07 30.21216	20 39 47.19	-22 36 51.3		3	809
1992 OB9		1992 07 31.24132	20 38 57.62	-22 46 57.8		3	809
1992 OB9		1992 07 31.24965	20 38 57.21	-22 47 02.8		3	809
1992 OB9		1992 07 31.25798	20 38 56.83	-22 47 07.7		3	809
1992 OB9		1992 08 01.09584	20 38 17.05	-22 55 15.9		3	809
1992 OB9		1992 08 01.10417	20 38 16.65	-22 55 21.1		3	809
1992 OB9		1992 08 01.11250	20 38 16.25	-22 55 25.8		3	809
1992 OB9		1992 08 03.28229	20 36 32.17	-23 16 13.0	16.3	3	809
1992 OB9		1992 08 03.29271	20 36 31.70	-23 16 18.7		3	809
1992 OB9		1992 08 03.30313	20 36 31.21	-23 16 24.6		3	809
1992 OB9		1992 08 04.23473	20 35 47.32	-23 25 09.7		3	809
1992 OB9		1992 08 04.24480	20 35 46.83	-23 25 15.3		3	809
1992 OB9		1992 08 04.25487	20 35 46.34	-23 25 21.2		3	809
1992 OC9	*	1992 07 24.25417	20 40 50.57	-20 42 57.7	17.0	3	809
1992 OC9		1992 07 24.26250	20 40 50.08	-20 43 02.2		3	809
1992 OC9		1992 07 24.27083	20 40 49.62	-20 43 06.5		3	809
1992 OC9		1992 07 26.30000	20 38 49.00	-21 00 11.5		3	809
1992 OC9		1992 07 26.30833	20 38 48.51	-21 00 15.4		3	809
1992 OC9		1992 07 26.31667	20 38 48.04	-21 00 19.2		3	809
1992 OD9	*	1992 07 26.21494	20 11 21.80	-18 52 27.3	17.9	3	809
1992 OD9		1992 07 26.23230	20 11 20.91	-18 52 27.7		3	809
1992 OD9		1992 07 26.24965	20 11 19.97	-18 52 27.8		3	809
1992 OD9		1992 07 27.12118	20 10 33.82	-18 52 49.1		3	809
1992 OD9		1992 07 27.13855	20 10 32.90	-18 52 49.5		3	809
1992 OD9		1992 07 27.15590	20 10 31.98	-18 52 50.0		3	809
1992 OE9	*	1992 07 26.33229	21 04 27.74	-17 51 21.1	17.3	3	809
1992 OE9		1992 07 26.34966	21 04 26.85	-17 51 24.3		3	809
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1992 OE9		1992 07 27.33264	21 03 35.97	-17 54 21.3		3	809
1992 OE9		1992 07 27.34653	21 03 35.25	-17 54 23.7		3	809
1992 OE9		1992 07 27.36041	21 03 34.54	-17 54 26.1		3	809
1992 OE9		1992 07 28.28090	21 02 46.23	-17 57 12.5		3	809
1992 OE9		1992 07 28.29132	21 02 45.71	-17 57 14.6		3	809
1992 OE9		1992 07 28.30174	21 02 45.16	-17 57 16.7		3	809
1992 OF9	*	1992 07 26.33229	21 04 54.28	-18 29 20.7	16.5	3	809
1992 OF9		1992 07 26.34966	21 04 53.50	-18 29 25.0		3	809
1992 OF9		1992 07 26.36702	21 04 52.72	-18 29 29.1		3	809
1992 OF9		1992 07 27.33264	21 04 09.64	-18 33 30.3		3	809
1992 OF9		1992 07 27.34653	21 04 09.02	-18 33 34.1		3	809
1992 OF9		1992 07 27.36041	21 04 08.38	-18 33 37.3		3	809
1992 OF9		1992 08 04.10695	20 58 13.03	-19 05 25.6		3	809
1992 OF9		1992 08 04.11250	20 58 12.80	-19 05 27.2		3	809
1992 OF9		1992 08 04.11806	20 58 12.53	-19 05 28.7		3	809
1992 OG9	*	1992 07 27.04132	20 00 51.29	-21 00 16.0	17.5	3	809
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1992 OG9		1992 07 27.06493	20 00 49.82	-21 00 14.5		3	809
1992 OG9		1992 07 30.07187	19 57 44.54	-20 56 44.0		3	809
1992 OG9		1992 07 30.08229	19 57 43.89	-20 56 43.2		3	809
1992 OG9		1992 07 30.09271	19 57 43.23	-20 56 42.5		3	809
1992 OH9	*	1992 07 27.17465	20 44 48.97	-24 43 28.1	16.6	3	809

1992 OH9		1992 07 27.18646	20 44 48.26	-24 43 32.3		3	809
1992 OH9		1992 07 27.19826	20 44 47.55	-24 43 36.7		3	809
1992 OH9		1992 07 28.18993	20 43 48.21	-24 49 39.1		3	809
1992 OH9		1992 07 28.20174	20 43 47.49	-24 49 43.5		3	809
1992 OH9		1992 07 28.21355	20 43 46.78	-24 49 47.7		3	809
1992 OJ9	*	1992 07 27.17465	20 44 51.34	-24 16 14.7	17.1	3	809
1992 OJ9		1992 07 27.18646	20 44 50.66	-24 16 17.2		3	809
1992 OJ9		1992 07 27.19826	20 44 49.99	-24 16 19.0		3	809
1992 OJ9		1992 07 28.18993	20 43 53.61	-24 19 21.3		3	809
1992 OJ9		1992 07 28.20174	20 43 52.93	-24 19 23.5		3	809
1992 OJ9		1992 07 28.21355	20 43 52.28	-24 19 25.8		3	809
1992 OJ9		1992 07 30.18854	20 41 59.12	-24 25 16.5		3	809
1992 OJ9		1992 07 30.20035	20 41 58.42	-24 25 18.5		3	809
1992 OJ9		1992 07 30.21216	20 41 57.75	-24 25 20.8		3	809
1992 OK9	*	1992 07 27.17465	20 48 57.31	-23 47 50.3	17.3	3	809
1992 OK9		1992 07 27.18646	20 48 56.56	-23 47 49.6		3	809
1992 OK9		1992 07 27.19826	20 48 55.81	-23 47 48.9		3	809
1992 OK9		1992 07 28.18993	20 47 52.63	-23 47 14.8		3	809
1992 OK9		1992 07 28.20174	20 47 51.90	-23 47 14.4		3	809
1992 OK9		1992 07 28.21355	20 47 51.13	-23 47 13.9		3	809
1992 OL9	*	1992 07 27.17465	20 49 18.83	-23 10 43.3	17.3	3	809
1992 OL9		1992 07 27.18646	20 49 18.09	-23 10 44.8		3	809
1992 OL9		1992 07 27.19826	20 49 17.36	-23 10 46.4		3	809
1992 OL9		1992 07 28.18993	20 48 14.59	-23 13 01.6		3	809
1992 OL9		1992 07 28.20174	20 48 13.87	-23 13 03.2		3	809
1992 OL9		1992 07 28.21355	20 48 13.14	-23 13 04.8		3	809
1992 OM9	*	1992 07 27.17465	20 52 31.02	-23 28 46.0	17.0	3	809
1992 OM9		1992 07 27.18646	20 52 30.48	-23 28 50.8		3	809
1992 OM9		1992 07 27.19826	20 52 29.92	-23 28 55.6		3	809
1992 OM9		1992 07 28.18993	20 51 43.46	-23 35 29.4		3	809
1992 OM9		1992 07 28.20174	20 51 42.90	-23 35 33.7		3	809
1992 OM9		1992 07 28.21355	20 51 42.35	-23 35 38.6		3	809
1992 ON9	*	1992 07 27.22882	20 48 01.60	-20 43 53.9	17.5	3	809
1992 ON9		1992 07 27.23924	20 48 01.02	-20 43 53.4		3	809
1992 ON9		1992 07 27.24965	20 48 00.42	-20 43 52.9		3	809
1992 ON9		1992 07 28.23230	20 47 05.76	-20 43 07.2		3	809
1992 ON9		1992 07 28.24271	20 47 05.18	-20 43 06.6		3	809
1992 ON9		1992 07 28.25313	20 47 04.60	-20 43 06.1		3	809
1992 OO9	*	1992 07 27.22882	20 51 02.97	-20 51 30.5	17.7	3	809
1992 OO9		1992 07 27.23924	20 51 02.22	-20 51 32.1		3	809
1992 OO9		1992 07 27.24965	20 51 01.47	-20 51 34.1		3	809
1992 OO9		1992 07 30.22743	20 47 30.01	-20 59 51.9		3	809
1992 OO9		1992 07 30.23785	20 47 29.25	-20 59 53.5		3	809
1992 OO9		1992 07 30.24826	20 47 28.50	-20 59 55.1		3	809
1992 OP9	*	1992 07 27.22882	20 53 12.08	-19 16 39.7	16.9	3	809
1992 OP9		1992 07 27.23924	20 53 11.40	-19 16 38.9		3	809
1992 OP9		1992 07 27.24965	20 53 10.73	-19 16 38.1		3	809
1992 OP9		1992 07 28.23230	20 52 07.82	-19 15 19.1		3	809
1992 OP9		1992 07 28.24271	20 52 07.15	-19 15 18.0		3	809
1992 OP9		1992 07 28.25313	20 52 06.46	-19 15 17.1		3	809
1992 OQ9	*	1992 07 27.29826	20 58 51.98	-16 21 39.1	17.0	3	809
1992 OQ9		1992 07 27.30869	20 58 51.39	-16 21 40.9		3	809
1992 OQ9		1992 07 27.31909	20 58 50.80	-16 21 42.8		3	809
1992 OQ9		1992 07 28.28090	20 57 56.39	-16 24 20.5		3	809
1992 OQ9		1992 07 28.29132	20 57 55.80	-16 24 22.2		3	809
1992 OQ9		1992 07 28.30174	20 57 55.20	-16 24 23.9		3	809
1992 OR9	*	1992 07 27.37604	22 02 44.63	-13 24 58.0	17.4	3	809
1992 OR9		1992 07 27.38646	22 02 44.25	-13 25 01.7		3	809
1992 OR9		1992 07 27.39688	22 02 43.86	-13 25 05.0		3	809

1992 OR9		1992 07 28.32187	22 02 09.70	-13 30 26.0		3	809
1992 OR9		1992 07 28.33229	22 02 09.31	-13 30 29.4		3	809
1992 OR9		1992 07 28.34271	22 02 08.92	-13 30 32.8		3	809
1992 OS9	*	1992 07 27.37604	22 04 30.92	-13 37 20.0	16.9	3	809
1992 OS9		1992 07 27.38646	22 04 30.41	-13 37 16.7		3	809
1992 OS9		1992 07 27.39688	22 04 29.91	-13 37 13.2		3	809
1992 OS9		1992 07 28.32187	22 03 45.37	-13 32 08.8		3	809
1992 OS9		1992 07 28.33229	22 03 44.88	-13 32 05.2		3	809
1992 OS9		1992 07 28.34271	22 03 44.37	-13 32 01.8		3	809
1992 OT9	*	1992 07 28.18993	20 46 21.38	-23 07 07.7	17.1	3	809
1992 OT9		1992 07 28.20174	20 46 20.75	-23 07 12.4		3	809
1992 OT9		1992 07 28.21355	20 46 20.13	-23 07 16.9		3	809
1992 OT9		1992 07 30.18854	20 44 38.44	-23 19 17.7		3	809
1992 OT9		1992 07 30.20035	20 44 37.83	-23 19 22.2		3	809
1992 OT9		1992 07 30.21216	20 44 37.21	-23 19 26.5		3	809
1992 OT9		1992 08 01.09584	20 42 59.76	-23 30 39.3		3	809
1992 OT9		1992 08 01.10417	20 42 59.33	-23 30 41.8		3	809
1992 OT9		1992 08 01.11250	20 42 58.91	-23 30 44.7		3	809
1992 OT9		1992 08 03.28229	20 41 06.26	-23 43 20.4		3	809
1992 OT9		1992 08 03.29271	20 41 05.71	-23 43 24.0		3	809
1992 OT9		1992 08 03.30313	20 41 05.18	-23 43 27.7		3	809
1992 OT9		1992 08 04.23473	20 40 17.16	-23 48 47.0		3	809
1992 OT9		1992 08 04.24480	20 40 16.62	-23 48 50.1		3	809
1992 OT9		1992 08 04.25487	20 40 16.10	-23 48 53.7		3	809
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1992 OU9		1992 07 29.38437	22 12 14.39	-17 49 44.8		3	809
1992 OU9		1992 07 29.39340	22 12 14.07	-17 49 48.6		3	809
1992 OU9		1992 07 30.34756	22 11 40.78	-17 56 45.9		3	809
1992 OU9		1992 07 30.35660	22 11 40.47	-17 56 49.8		3	809
1992 OU9		1992 07 30.36563	22 11 40.15	-17 56 54.0		3	809
1992 OU9		1992 07 31.33472	22 11 05.57	-18 03 57.5		3	809
1992 OU9		1992 07 31.34305	22 11 05.25	-18 04 01.1		3	809
1992 OU9		1992 07 31.35140	22 11 04.94	-18 04 04.7		3	809
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1992 OV9		1992 07 29.41216	22 06 59.64	-15 14 23.9		3	809
1992 OV9		1992 07 29.42117	22 06 59.27	-15 14 24.8		3	809
1992 OV9		1992 07 30.37604	22 06 20.28	-15 15 45.7		3	809
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1992 OV9		1992 07 30.39410	22 06 19.53	-15 15 47.4		3	809
1992 OW9	*	1992 07 30.10730	20 09 00.09	-22 10 06.8	17.0	3	809
1992 OW9		1992 07 30.11771	20 08 59.51	-22 10 07.1		3	809
1992 OW9		1992 07 30.12813	20 08 58.93	-22 10 07.5		3	809
1992 OW9		1992 07 31.20486	20 07 59.12	-22 10 39.1		3	809
1992 OW9		1992 07 31.21320	20 07 58.66	-22 10 39.4		3	809
1992 OW9		1992 07 31.22986	20 07 57.73	-22 10 39.8		3	809
1992 OX9	*	1992 07 30.14270	20 18 18.84	-24 56 53.0	16.9	3	809
1992 OX9		1992 07 30.15312	20 18 18.35	-24 56 56.8		3	809
1992 OX9		1992 07 30.17395	20 18 17.34	-24 57 04.5		3	809
1992 OX9		1992 07 31.26875	20 17 24.59	-25 03 40.3		3	809
1992 OX9		1992 07 31.27708	20 17 24.18	-25 03 43.5		3	809
1992 OX9		1992 07 31.28542	20 17 23.78	-25 03 46.4		3	809
1992 OY9	*	1992 07 30.14270	20 21 55.71	-25 22 37.2	17.4	3	809
1992 OY9		1992 07 30.15312	20 21 55.14	-25 22 38.5		3	809
1992 OY9		1992 07 30.17395	20 21 53.99	-25 22 41.4		3	809
1992 OY9		1992 07 31.26875	20 20 56.43	-25 24 57.1	17.0	3	809
1992 OY9		1992 07 31.27708	20 20 55.99	-25 24 57.9		3	809
1992 OY9		1992 07 31.28542	20 20 55.50	-25 24 58.7		3	809
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1992 OZ9		1992 08 03.20451	20 21 28.50	-24 35 02.7		3	809
1992 OZ9		1992 08 04.07951	20 20 52.33	-24 36 57.3		3	809
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1992 OA10		1992 08 03.20451	20 21 48.18	-24 52 07.4		3	809
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1992 OB10		1992 07 30.15312	20 25 53.26	-23 37 38.8		3	809
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1992 PV	1992 07 30.31528	21 35 24.26	-09 56 35.6	4 809

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1992 PP1	1992 07 26.27708	21 46 45.45	-10 32 05.3	4	809
1992 PP1	1992 07 30.29444	21 43 14.24	-10 42 19.2	4	809
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1992 RA2	1992 09 22.11250	22 35 00.41	-04 25 36.5		4	809
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1992 RA2	1992 09 23.10278	22 34 10.69	-04 24 29.4		4	809
1992 RA2	1992 09 23.11597	22 34 09.99	-04 24 28.5		4	809
1992 RA2	1992 09 23.12917	22 34 09.28	-04 24 28.0		4	809
1992 RD2	1992 09 22.09931	22 43 55.21	-07 58 56.2	18.5	4	809
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1992 RD2	1992 09 22.12569	22 43 54.25	-07 59 13.7		4	809
1992 RD2	1992 09 23.10278	22 43 25.49	-08 08 55.5		4	809

1992 RD2	1992 09 23.11597	22 43 25.08	-08 09 04.1	4	809
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1992 RF2	1992 09 23.10278	22 38 47.85	-04 58 50.9	4	809
1992 RF2	1992 09 23.11597	22 38 47.27	-04 58 57.2	4	809
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1992 RJ2	1992 09 22.11250	22 41 51.22	-05 36 33.3	4	809
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1992 RJ2	1992 09 23.10278	22 41 19.29	-05 40 35.1	4	809
1992 RJ2	1992 09 23.11597	22 41 18.85	-05 40 38.5	4	809
1992 RJ2	1992 09 23.12917	22 41 18.29	-05 40 42.2	4	809
1992 RK2	1992 09 22.09931	22 37 38.84	-06 01 37.8	18.6	4 809
1992 RK2	1992 09 22.11250	22 37 38.09	-06 01 41.3	4	809
1992 RK2	1992 09 22.12569	22 37 37.40	-06 01 45.4	4	809
1992 RK2	1992 09 23.10278	22 36 49.83	-06 06 36.0	4	809
1992 RK2	1992 09 23.11597	22 36 49.07	-06 06 39.4	4	809
1992 RK2	1992 09 23.12917	22 36 48.45	-06 06 42.1	4	809
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1992 RB3	1992 09 22.12569	22 45 14.15	-07 00 00.6	4	809
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1992 RD3	1992 09 22.11250	22 40 24.94	-04 12 32.0	4	809
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1992 RG3	1992 09 23.10278	22 50 17.62	-07 49 11.0	4	809
1992 RG3	1992 09 23.11597	22 50 17.31	-07 49 20.6	4	809
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1992 RJ3	1992 09 23.10278	22 41 23.11	-07 28 54.4	4	809
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1992 RK3	1992 09 23.10278	22 47 44.26	-07 02 19.7	4	809
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1992 RK3	1992 09 23.12917	22 47 43.38	-07 02 21.5	4	809
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1992 RP3	1992 09 23.11597	22 46 18.60	-08 52 22.7	4 809
1992 RP3	1992 09 23.12917	22 46 17.99	-08 52 29.8	4 809
1992 RR3	1992 09 22.09931	22 42 39.08	-04 52 50.9	18.5 4 809
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1992 RR3	1992 09 22.12569	22 42 37.51	-04 52 53.2	4 809
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1992 RU3	1992 09 22.12569	22 44 22.35	-05 43 30.6	4 809
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1992 RU3	1992 09 23.12917	22 43 33.31	-05 46 53.2	4 809
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1992 RV3	1992 09 23.12917	22 45 45.82	-03 54 57.6	4 809
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1992 RW3	1992 09 22.12569	22 48 43.20	-06 20 24.0	4 809
1992 RW3	1992 09 23.10278	22 48 04.78	-06 24 24.2	18.7 4 809
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1992 RB4	1992 09 22.12569	22 48 34.47	-07 53 58.1	4	809
1992 RB4	1992 09 23.10278	22 47 55.43	-08 00 04.8	4	809
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1992 RC4	1992 09 22.09931	22 48 49.08	-04 56 29.6	18.5	4 809
1992 RC4	1992 09 22.11250	22 48 48.47	-04 56 34.9	4	809
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1992 RC4	1992 09 23.12917	22 48 06.69	-05 01 37.7	4	809
1992 RO4	1992 09 22.09931	22 47 35.10	-04 35 24.7	18.6	4 809
1992 RO4	1992 09 22.11250	22 47 34.36	-04 35 26.4	4	809
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1992 RJ5	1992 09 23.17014	23 45 51.22	-07 35 53.5	4	809
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1992 RL5	1992 09 22.14375	23 44 11.10	-04 08 31.9	18.3	4 809
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1992 RM5	1992 09 23.18333	23 43 33.73	-05 26 21.5	4	809

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1992 RR5	1992 09	22.14375	23 45	20.94	-08 34	51.8	18.5	4	809
1992 RR5	1992 09	22.15694	23 45	20.22	-08 34	54.7		4	809
1992 RR5	1992 09	22.17014	23 45	19.41	-08 34	59.9		4	809
1992 RR5	1992 09	23.15694	23 44	25.63	-08 40	34.1		4	809
1992 RR5	1992 09	23.17014	23 44	24.88	-08 40	38.5		4	809
1992 RR5	1992 09	23.18333	23 44	24.19	-08 40	43.3		4	809
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1992 RS5	1992 09	22.15694	23 44	01.67	-06 09	58.1		4	809
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1992 RU5	1992 09	22.17014	23 47	27.76	-05 54	28.7		4	809
1992 RU5	1992 09	23.15694	23 46	38.96	-05 57	21.2		4	809
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1992 SG18		1992 09 22.12569	22 30 58.14	-07 57 31.4		4	809
1992 SG18		1992 09 23.10278	22 30 12.15	-07 58 08.0		4	809
1992 SG18		1992 09 23.11597	22 30 11.40	-07 58 08.6		4	809
1992 SG18		1992 09 23.12917	22 30 10.78	-07 58 10.5		4	809
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1992 SH18		1992 09 23.12917	22 30 44.45	-07 34 52.9		4	809
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1992 SM18		1992 09 22.11250	22 32 08.35	-06 46 50.9		4	809
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1992 SM18		1992 09 23.10278	22 31 22.61	-06 51 57.1		4	809
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1992	SO18		1992	09	22.12569	22	32	44.95	-05	55	46.2		4	809
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1992	SQ18		1992	09	23.10278	22	32	18.67	-05	19	22.1		4	809
1992	SQ18		1992	09	23.11597	22	32	18.20	-05	19	25.8		4	809
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1992	SS18		1992	09	22.12569	22	33	08.95	-03	52	13.7		4	809
1992	SS18		1992	09	23.10278	22	32	28.89	-03	55	40.8		4	809
1992	SS18		1992	09	23.11597	22	32	28.22	-03	55	43.7		4	809
1992	SS18		1992	09	23.12917	22	32	27.75	-03	55	46.0		4	809
1992	ST18	*	1992	09	22.09931	22	33	17.07	-06	45	51.6	18.1	4	809
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1992	ST18		1992	09	23.12917	22	32	34.46	-06	54	07.1		4	809
1992	SU18	*	1992	09	22.09931	22	33	18.78	-07	18	38.9	18.7	4	809
1992	SU18		1992	09	22.11250	22	33	18.21	-07	18	41.7		4	809
1992	SU18		1992	09	22.12569	22	33	17.60	-07	18	43.6		4	809
1992	SU18		1992	09	23.10278	22	32	41.33	-07	21	27.8		4	809
1992	SU18		1992	09	23.11597	22	32	40.77	-07	21	31.0		4	809
1992	SU18		1992	09	23.12917	22	32	40.30	-07	21	32.7		4	809
1992	SV18	*	1992	09	22.09931	22	33	48.67	-06	35	45.9	18.5	4	809
1992	SV18		1992	09	22.11250	22	33	48.19	-06	35	50.2		4	809
1992	SV18		1992	09	22.12569	22	33	47.67	-06	35	55.7		4	809
1992	SV18		1992	09	23.10278	22	33	19.83	-06	42	01.0		4	809
1992	SV18		1992	09	23.11597	22	33	19.35	-06	42	06.4		4	809
1992	SV18		1992	09	23.12917	22	33	18.92	-06	42	11.0		4	809
1992	SW18	*	1992	09	22.09931	22	33	56.28	-04	11	47.1	18.6	4	809
1992	SW18		1992	09	22.11250	22	33	55.94	-04	11	54.2		4	809
1992	SW18		1992	09	22.12569	22	33	55.40	-04	12	02.8		4	809
1992	SW18		1992	09	23.10278	22	33	26.51	-04	21	04.1		4	809
1992	SW18		1992	09	23.11597	22	33	26.14	-04	21	12.1		4	809
1992	SW18		1992	09	23.12917	22	33	25.62	-04	21	19.3		4	809
1992	SX18	*	1992	09	22.09931	22	33	58.89	-07	54	05.4	18.5	4	809
1992	SX18		1992	09	22.11250	22	33	58.53	-07	54	12.4		4	809
1992	SX18		1992	09	22.12569	22	33	58.18	-07	54	17.5		4	809
1992	SX18		1992	09	23.10278	22	33	39.69	-08	01	41.0		4	809
1992	SX18		1992	09	23.11597	22	33	39.40	-08	01	48.3		4	809
1992	SX18		1992	09	23.12917	22	33	39.10	-08	01	54.5		4	809
1992	SY18	*	1992	09	22.09931	22	34	14.70	-06	43	48.1	18.0	4	809

1992 SY18		1992 09 22.11250	22 34 14.20	-06 43 52.8		4 809
1992 SY18		1992 09 22.12569	22 34 13.73	-06 43 58.6		4 809
1992 SY18		1992 09 23.10278	22 33 43.76	-06 50 26.1		4 809
1992 SY18		1992 09 23.11597	22 33 43.29	-06 50 31.8		4 809
1992 SY18		1992 09 23.12917	22 33 42.84	-06 50 37.2		4 809
1992 SZ18	*	1992 09 22.09931	22 34 16.79	-08 19 09.8	19.0	4 809
1992 SZ18		1992 09 22.11250	22 34 16.14	-08 19 09.3		4 809
1992 SZ18		1992 09 22.12569	22 34 15.49	-08 19 09.4		4 809
1992 SZ18		1992 09 23.10278	22 33 30.71	-08 18 31.2		4 809
1992 SZ18		1992 09 23.11597	22 33 30.02	-08 18 31.0		4 809
1992 SZ18		1992 09 23.12917	22 33 29.27	-08 18 30.6		4 809
1992 SA19	*	1992 09 22.09931	22 34 34.37	-08 37 21.9	18.8	4 809
1992 SA19		1992 09 22.11250	22 34 33.74	-08 37 26.7		4 809
1992 SA19		1992 09 22.12569	22 34 33.16	-08 37 30.8		4 809
1992 SA19		1992 09 23.10278	22 33 57.95	-08 41 45.1		4 809
1992 SA19		1992 09 23.11597	22 33 57.43	-08 41 48.8		4 809
1992 SA19		1992 09 23.12917	22 33 56.86	-08 41 52.3		4 809
1992 SB19	*	1992 09 22.09931	22 35 23.59	-04 52 58.0	18.5	4 809
1992 SB19		1992 09 22.11250	22 35 23.16	-04 53 04.5		4 809
1992 SB19		1992 09 22.12569	22 35 22.69	-04 53 10.1		4 809
1992 SB19		1992 09 23.10278	22 34 50.07	-05 00 40.1	18.5	4 809
1992 SB19		1992 09 23.11597	22 34 49.64	-05 00 46.6		4 809
1992 SB19		1992 09 23.12917	22 34 49.22	-05 00 52.1		4 809
1992 SC19	*	1992 09 22.09931	22 35 30.98	-04 18 07.4	18.6	4 809
1992 SC19		1992 09 22.11250	22 35 30.53	-04 18 09.1		4 809
1992 SC19		1992 09 22.12569	22 35 29.97	-04 18 11.4		4 809
1992 SC19		1992 09 23.10278	22 35 02.44	-04 21 05.3		4 809
1992 SC19		1992 09 23.11597	22 35 01.93	-04 21 07.4		4 809
1992 SC19		1992 09 23.12917	22 35 01.51	-04 21 08.7		4 809
1992 SD19	*	1992 09 22.09931	22 35 45.36	-08 36 46.9	18.5	4 809
1992 SD19		1992 09 22.11250	22 35 44.78	-08 36 49.1		4 809
1992 SD19		1992 09 22.12569	22 35 44.19	-08 36 52.4		4 809
1992 SD19		1992 09 23.10278	22 35 07.26	-08 39 55.4		4 809
1992 SD19		1992 09 23.11597	22 35 06.76	-08 39 57.3		4 809
1992 SD19		1992 09 23.12917	22 35 06.26	-08 39 59.0		4 809
1992 SE19	*	1992 09 22.09931	22 36 19.40	-04 39 47.7	19.0	4 809
1992 SE19		1992 09 22.11250	22 36 18.92	-04 39 53.9		4 809
1992 SE19		1992 09 22.12569	22 36 18.32	-04 40 00.0		4 809
1992 SE19		1992 09 23.10278	22 35 42.88	-04 47 40.7		4 809
1992 SE19		1992 09 23.11597	22 35 42.38	-04 47 45.9		4 809
1992 SE19		1992 09 23.12917	22 35 41.77	-04 47 53.5		4 809
1992 SF19	*	1992 09 22.09931	22 36 21.37	-04 18 20.5	18.4	4 809
1992 SF19		1992 09 22.11250	22 36 20.85	-04 18 26.8		4 809
1992 SF19		1992 09 22.12569	22 36 20.19	-04 18 32.9		4 809
1992 SF19		1992 09 23.10278	22 35 39.07	-04 25 46.3		4 809
1992 SF19		1992 09 23.11597	22 35 38.48	-04 25 52.4		4 809
1992 SF19		1992 09 23.12917	22 35 37.93	-04 25 57.5		4 809
1992 SG19	*	1992 09 22.09931	22 37 13.22	-04 09 20.2	18.7	4 809
1992 SG19		1992 09 22.11250	22 37 12.50	-04 09 21.4		4 809
1992 SG19		1992 09 22.12569	22 37 11.89	-04 09 23.0		4 809
1992 SG19		1992 09 23.10278	22 36 23.06	-04 11 03.3		4 809
1992 SG19		1992 09 23.11597	22 36 22.51	-04 11 04.6		4 809
1992 SG19		1992 09 23.12917	22 36 21.82	-04 11 06.5		4 809
1992 SH19	*	1992 09 22.09931	22 38 22.36	-05 50 54.7	18.3	4 809
1992 SH19		1992 09 22.11250	22 38 21.88	-05 51 01.1		4 809
1992 SH19		1992 09 22.12569	22 38 21.42	-05 51 08.0		4 809
1992 SH19		1992 09 23.10278	22 37 51.18	-05 58 50.1		4 809
1992 SH19		1992 09 23.11597	22 37 50.73	-05 58 56.9		4 809
1992 SH19		1992 09 23.12917	22 37 50.30	-05 59 03.0		4 809

1992	SJ19	*	1992	09	22.09931	22	38	55.92	-07	59	30.2	19.1	4	809
1992	SJ19		1992	09	22.11250	22	38	55.25	-07	59	30.5		4	809
1992	SJ19		1992	09	22.12569	22	38	54.59	-07	59	29.9		4	809
1992	SJ19		1992	09	23.10278	22	38	06.66	-07	58	34.1		4	809
1992	SJ19		1992	09	23.11597	22	38	06.01	-07	58	32.8		4	809
1992	SJ19		1992	09	23.12917	22	38	05.37	-07	58	31.5		4	809
1992	SK19	*	1992	09	22.09931	22	40	04.14	-04	18	39.6	18.5	4	809
1992	SK19		1992	09	22.11250	22	40	03.60	-04	18	47.1		4	809
1992	SK19		1992	09	22.12569	22	40	03.18	-04	18	54.4		4	809
1992	SK19		1992	09	23.10278	22	39	30.27	-04	27	52.1		4	809
1992	SK19		1992	09	23.11597	22	39	29.84	-04	27	59.1		4	809
1992	SK19		1992	09	23.12917	22	39	29.32	-04	28	06.9		4	809
1992	SL19	*	1992	09	22.09931	22	40	13.70	-04	43	05.7	18.5	4	809
1992	SL19		1992	09	22.11250	22	40	13.00	-04	43	08.8		4	809
1992	SL19		1992	09	22.12569	22	40	12.36	-04	43	13.7		4	809
1992	SL19		1992	09	23.10278	22	39	25.96	-04	48	50.4		4	809
1992	SL19		1992	09	23.11597	22	39	25.35	-04	48	55.8		4	809
1992	SL19		1992	09	23.12917	22	39	24.60	-04	49	00.2		4	809
1992	SM19	*	1992	09	22.09931	22	40	25.23	-06	14	55.8	19.0	4	809
1992	SM19		1992	09	22.11250	22	40	24.61	-06	15	03.5		4	809
1992	SM19		1992	09	22.12569	22	40	24.00	-06	15	11.1		4	809
1992	SM19		1992	09	23.10278	22	39	46.70	-06	23	54.7		4	809
1992	SM19		1992	09	23.11597	22	39	46.13	-06	24	01.4		4	809
1992	SM19		1992	09	23.12917	22	39	45.59	-06	24	08.5		4	809
1992	SN19	*	1992	09	22.09931	22	41	06.76	-06	43	37.1	19.3	4	809
1992	SN19		1992	09	22.11250	22	41	06.09	-06	43	36.6		4	809
1992	SN19		1992	09	22.12569	22	41	05.50	-06	43	36.3		4	809
1992	SN19		1992	09	23.10278	22	40	22.67	-06	44	37.8		4	809
1992	SN19		1992	09	23.11597	22	40	22.01	-06	44	38.5		4	809
1992	SN19		1992	09	23.12917	22	40	21.25	-06	44	40.8		4	809
1992	SO19	*	1992	09	22.09931	22	41	50.56	-08	53	07.9	18.5	4	809
1992	SO19		1992	09	22.11250	22	41	49.95	-08	53	05.7		4	809
1992	SO19		1992	09	22.12569	22	41	49.44	-08	53	04.2		4	809
1992	SO19		1992	09	23.10278	22	41	14.47	-08	52	01.7		4	809
1992	SO19		1992	09	23.11597	22	41	13.89	-08	52	00.7		4	809
1992	SO19		1992	09	23.12917	22	41	13.40	-08	52	00.0		4	809
1992	SP19	*	1992	09	22.09931	22	41	53.51	-04	48	34.2	19.5	4	809
1992	SP19		1992	09	22.11250	22	41	52.60	-04	48	33.6		4	809
1992	SP19		1992	09	22.12569	22	41	51.68	-04	48	32.0		4	809
1992	SP19		1992	09	23.10278	22	41	07.26	-04	46	25.8		4	809
1992	SP19		1992	09	23.11597	22	41	06.70	-04	46	23.6		4	809
1992	SP19		1992	09	23.12917	22	41	06.14	-04	46	23.3		4	809
1992	SQ19	*	1992	09	22.09931	22	42	58.68	-07	40	41.4	18.6	4	809
1992	SQ19		1992	09	22.11250	22	42	58.09	-07	40	45.6		4	809
1992	SQ19		1992	09	22.12569	22	42	57.47	-07	40	50.4		4	809
1992	SQ19		1992	09	23.10278	22	42	16.77	-07	45	54.8		4	809
1992	SQ19		1992	09	23.11597	22	42	16.12	-07	45	59.6		4	809
1992	SQ19		1992	09	23.12917	22	42	15.53	-07	46	04.9		4	809
1992	SR19	*	1992	09	22.09931	22	45	34.23	-07	20	23.3	18.7	4	809
1992	SR19		1992	09	22.11250	22	45	33.58	-07	20	25.0		4	809
1992	SR19		1992	09	22.12569	22	45	32.97	-07	20	26.9		4	809
1992	SR19		1992	09	23.10278	22	44	50.06	-07	22	00.5		4	809
1992	SR19		1992	09	23.11597	22	44	49.36	-07	22	01.9		4	809
1992	SR19		1992	09	23.12917	22	44	48.71	-07	22	04.1		4	809
1992	SS19	*	1992	09	22.09931	22	45	38.84	-06	47	08.1	18.5	4	809
1992	SS19		1992	09	22.11250	22	45	38.21	-06	47	13.1		4	809
1992	SS19		1992	09	22.12569	22	45	37.64	-06	47	17.3		4	809
1992	SS19		1992	09	23.10278	22	44	59.85	-06	52	34.7		4	809
1992	SS19		1992	09	23.11597	22	44	59.30	-06	52	39.7		4	809

1992 SS19		1992 09 23.12917	22 44 58.74	-06 52 42.9		4	809
1992 ST19	*	1992 09 22.09931	22 47 01.67	-06 04 28.6	18.5	4	809
1992 ST19		1992 09 22.11250	22 47 01.06	-06 04 32.2		4	809
1992 ST19		1992 09 22.12569	22 47 00.50	-06 04 36.0		4	809
1992 ST19		1992 09 23.10278	22 46 20.31	-06 09 11.5		4	809
1992 ST19		1992 09 23.11597	22 46 19.77	-06 09 16.0		4	809
1992 ST19		1992 09 23.12917	22 46 19.25	-06 09 17.7		4	809
1992 SU19	*	1992 09 22.09931	22 47 14.49	-07 34 17.3	18.7	4	809
1992 SU19		1992 09 22.11250	22 47 13.90	-07 34 18.7		4	809
1992 SU19		1992 09 22.12569	22 47 13.35	-07 34 20.6		4	809
1992 SU19		1992 09 23.10278	22 46 17.06	-07 35 02.6		4	809
1992 SU19		1992 09 23.11597	22 46 16.41	-07 35 04.6		4	809
1992 SU19		1992 09 23.12917	22 46 15.86	-07 35 07.9		4	809
1992 SV19	*	1992 09 22.09931	22 49 03.89	-08 00 22.7	18.2	4	809
1992 SV19		1992 09 22.11250	22 49 03.27	-08 00 26.7		4	809
1992 SV19		1992 09 22.12569	22 49 02.61	-08 00 30.6		4	809
1992 SV19		1992 09 23.10278	22 48 19.52	-08 05 25.1		4	809
1992 SV19		1992 09 23.11597	22 48 18.84	-08 05 30.2		4	809
1992 SV19		1992 09 23.12917	22 48 18.24	-08 05 34.2		4	809
1992 SW19	*	1992 09 22.14375	23 30 31.33	-05 57 43.2	18.5	4	809
1992 SW19		1992 09 22.15694	23 30 30.57	-05 57 45.0		4	809
1992 SW19		1992 09 22.17014	23 30 29.71	-05 57 48.0		4	809
1992 SW19		1992 09 23.15694	23 29 34.25	-06 00 34.1		4	809
1992 SW19		1992 09 23.17014	23 29 33.47	-06 00 37.3		4	809
1992 SW19		1992 09 23.18333	23 29 32.77	-06 00 39.6		4	809
1992 SX19	*	1992 09 22.14375	23 32 42.20	-04 24 47.3	19.0	4	809
1992 SX19		1992 09 22.15694	23 32 41.57	-04 24 52.3		4	809
1992 SX19		1992 09 22.17014	23 32 40.93	-04 24 57.5		4	809
1992 SX19		1992 09 23.15694	23 32 04.11	-04 27 34.3		4	809
1992 SX19		1992 09 23.17014	23 32 03.36	-04 27 39.3		4	809
1992 SX19		1992 09 23.18333	23 32 02.76	-04 27 44.7		4	809
1992 SY19	*	1992 09 22.14375	23 33 24.59	-04 14 17.9	18.5	4	809
1992 SY19		1992 09 22.15694	23 33 23.94	-04 14 23.8		4	809
1992 SY19		1992 09 22.17014	23 33 23.37	-04 14 27.8		4	809
1992 SY19		1992 09 23.15694	23 32 40.11	-04 20 01.0		4	809
1992 SY19		1992 09 23.17014	23 32 39.43	-04 20 05.2		4	809
1992 SY19		1992 09 23.18333	23 32 38.84	-04 20 09.9		4	809
1992 SZ19	*	1992 09 22.14375	23 33 31.60	-04 19 26.7	18.4	4	809
1992 SZ19		1992 09 22.15694	23 33 30.92	-04 19 29.6		4	809
1992 SZ19		1992 09 22.17014	23 33 30.07	-04 19 34.4		4	809
1992 SZ19		1992 09 23.15694	23 32 38.62	-04 23 44.9		4	809
1992 SZ19		1992 09 23.17014	23 32 37.88	-04 23 47.7		4	809
1992 SZ19		1992 09 23.18333	23 32 37.24	-04 23 50.2		4	809
1992 SA20	*	1992 09 22.14375	23 33 57.30	-06 46 27.2	18.6	4	809
1992 SA20		1992 09 22.15694	23 33 56.52	-06 46 30.5		4	809
1992 SA20		1992 09 22.17014	23 33 55.69	-06 46 33.9		4	809
1992 SA20		1992 09 23.15694	23 33 04.26	-06 49 51.5		4	809
1992 SA20		1992 09 23.17014	23 33 03.58	-06 49 54.5		4	809
1992 SA20		1992 09 23.18333	23 33 02.79	-06 49 58.0		4	809
1992 SB20	*	1992 09 22.14375	23 34 03.48	-04 31 16.8	18.6	4	809
1992 SB20		1992 09 22.15694	23 34 02.68	-04 31 19.5		4	809
1992 SB20		1992 09 22.17014	23 34 01.92	-04 31 23.5		4	809
1992 SB20		1992 09 23.15694	23 33 11.80	-04 34 48.9		4	809
1992 SB20		1992 09 23.17014	23 33 11.08	-04 34 51.3		4	809
1992 SB20		1992 09 23.18333	23 33 10.34	-04 34 54.8		4	809
1992 SC20	*	1992 09 22.14375	23 34 06.40	-04 12 06.0	18.6	4	809
1992 SC20		1992 09 22.15694	23 34 05.75	-04 12 08.9		4	809
1992 SC20		1992 09 22.17014	23 34 05.21	-04 12 11.3		4	809
1992 SC20		1992 09 23.15694	23 33 21.88	-04 16 26.1		4	809

1992	SC20		1992	09	23.17014	23	33	21.21	-04	16	29.4		4	809
1992	SC20		1992	09	23.18333	23	33	20.62	-04	16	34.0		4	809
1992	SD20	*	1992	09	22.14375	23	34	06.95	-04	06	39.7	18.5	4	809
1992	SD20		1992	09	22.15694	23	34	06.32	-04	06	46.9		4	809
1992	SD20		1992	09	22.17014	23	34	05.77	-04	06	53.4		4	809
1992	SD20		1992	09	23.15694	23	33	26.42	-04	14	56.3		4	809
1992	SD20		1992	09	23.17014	23	33	25.85	-04	15	02.1		4	809
1992	SD20		1992	09	23.18333	23	33	25.35	-04	15	08.7		4	809
1992	SE20	*	1992	09	22.14375	23	34	23.03	-04	34	56.6	18.6	4	809
1992	SE20		1992	09	22.15694	23	34	22.42	-04	34	59.2		4	809
1992	SE20		1992	09	22.17014	23	34	21.71	-04	35	03.7		4	809
1992	SE20		1992	09	23.15694	23	33	37.31	-04	39	08.8		4	809
1992	SE20		1992	09	23.17014	23	33	36.75	-04	39	11.1		4	809
1992	SE20		1992	09	23.18333	23	33	36.06	-04	39	15.3		4	809
1992	SF20	*	1992	09	22.14375	23	34	39.92	-06	07	12.5	18.0	4	809
1992	SF20		1992	09	22.15694	23	34	39.26	-06	07	19.7		4	809
1992	SF20		1992	09	22.17014	23	34	38.62	-06	07	26.1		4	809
1992	SF20		1992	09	23.15694	23	33	55.73	-06	15	31.5		4	809
1992	SF20		1992	09	23.17014	23	33	55.07	-06	15	38.6		4	809
1992	SF20		1992	09	23.18333	23	33	54.45	-06	15	44.9		4	809
1992	SG20	*	1992	09	22.14375	23	34	41.21	-04	26	42.9	18.6	4	809
1992	SG20		1992	09	22.15694	23	34	40.38	-04	26	45.4		4	809
1992	SG20		1992	09	22.17014	23	34	39.37	-04	26	47.8		4	809
1992	SG20		1992	09	23.15694	23	33	38.66	-04	29	07.4		4	809
1992	SG20		1992	09	23.17014	23	33	37.74	-04	29	10.5		4	809
1992	SG20		1992	09	23.18333	23	33	36.99	-04	29	11.5		4	809
1992	SH20	*	1992	09	22.14375	23	34	48.83	-03	54	20.7	18.4	4	809
1992	SH20		1992	09	22.15694	23	34	48.19	-03	54	26.8		4	809
1992	SH20		1992	09	22.17014	23	34	47.55	-03	54	33.3		4	809
1992	SH20		1992	09	23.15694	23	34	04.28	-04	01	58.5		4	809
1992	SH20		1992	09	23.17014	23	34	03.62	-04	02	05.1		4	809
1992	SH20		1992	09	23.18333	23	34	03.00	-04	02	14.1		4	809
1992	SJ20	*	1992	09	22.14375	23	35	13.99	-03	56	41.7	18.3	4	809
1992	SJ20		1992	09	22.15694	23	35	13.20	-03	56	46.8		4	809
1992	SJ20		1992	09	22.17014	23	35	12.35	-03	56	51.1		4	809
1992	SJ20		1992	09	23.15694	23	34	17.67	-04	02	48.2		4	809
1992	SJ20		1992	09	23.17014	23	34	16.93	-04	02	53.5		4	809
1992	SJ20		1992	09	23.18333	23	34	16.08	-04	02	59.1		4	809
1992	SK20	*	1992	09	22.14375	23	35	26.21	-04	31	00.7	18.6	4	809
1992	SK20		1992	09	22.15694	23	35	25.59	-04	31	05.2		4	809
1992	SK20		1992	09	22.17014	23	35	24.87	-04	31	11.3		4	809
1992	SK20		1992	09	23.15694	23	34	40.58	-04	36	48.0		4	809
1992	SK20		1992	09	23.17014	23	34	39.89	-04	36	52.5		4	809
1992	SK20		1992	09	23.18333	23	34	39.28	-04	36	56.5		4	809
1992	SL20	*	1992	09	22.14375	23	35	28.25	-06	44	12.2	18.6	4	809
1992	SL20		1992	09	22.15694	23	35	27.49	-06	44	10.7		4	809
1992	SL20		1992	09	22.17014	23	35	26.57	-06	44	10.0		4	809
1992	SL20		1992	09	23.15694	23	34	26.75	-06	41	25.2		4	809
1992	SL20		1992	09	23.17014	23	34	25.81	-06	41	22.5		4	809
1992	SL20		1992	09	23.18333	23	34	25.06	-06	41	20.9		4	809
1992	SM20	*	1992	09	22.14375	23	36	04.62	-06	57	05.5	18.5	4	809
1992	SM20		1992	09	22.15694	23	36	03.92	-06	57	10.2		4	809
1992	SM20		1992	09	22.17014	23	36	03.17	-06	57	14.5		4	809
1992	SM20		1992	09	23.15694	23	35	15.15	-07	02	09.5		4	809
1992	SM20		1992	09	23.17014	23	35	14.46	-07	02	14.2		4	809
1992	SM20		1992	09	23.18333	23	35	13.78	-07	02	17.2		4	809
1992	SN20	*	1992	09	22.14375	23	36	05.24	-04	59	17.5	18.6	4	809
1992	SN20		1992	09	22.15694	23	36	04.62	-04	59	21.8		4	809
1992	SN20		1992	09	22.17014	23	36	03.97	-04	59	25.0		4	809

1992 SN20		1992 09 23.15694	23 35 20.26	-05 03 51.4		4	809
1992 SN20		1992 09 23.17014	23 35 19.65	-05 03 54.4		4	809
1992 SN20		1992 09 23.18333	23 35 19.07	-05 03 58.1		4	809
1992 SO20	*	1992 09 22.14375	23 36 19.85	-06 35 40.3	18.5	4	809
1992 SO20		1992 09 22.15694	23 36 19.09	-06 35 44.0		4	809
1992 SO20		1992 09 22.17014	23 36 18.26	-06 35 47.9		4	809
1992 SO20		1992 09 23.15694	23 35 23.16	-06 40 07.7		4	809
1992 SO20		1992 09 23.17014	23 35 22.21	-06 40 11.8		4	809
1992 SO20		1992 09 23.18333	23 35 21.47	-06 40 16.4		4	809
1992 SP20	*	1992 09 22.14375	23 36 45.09	-05 54 55.2	18.7	4	809
1992 SP20		1992 09 22.15694	23 36 44.36	-05 54 59.6		4	809
1992 SP20		1992 09 22.17014	23 36 43.64	-05 55 03.0		4	809
1992 SP20		1992 09 23.15694	23 35 53.74	-05 58 36.3		4	809
1992 SP20		1992 09 23.17014	23 35 53.02	-05 58 39.1		4	809
1992 SP20		1992 09 23.18333	23 35 52.33	-05 58 42.5		4	809
1992 SQ20	*	1992 09 22.14375	23 37 26.43	-04 19 19.9	18.6	4	809
1992 SQ20		1992 09 22.15694	23 37 25.74	-04 19 24.1		4	809
1992 SQ20		1992 09 22.17014	23 37 25.04	-04 19 28.7		4	809
1992 SQ20		1992 09 23.15694	23 36 43.34	-04 24 07.2		4	809
1992 SQ20		1992 09 23.17014	23 36 42.68	-04 24 11.6		4	809
1992 SQ20		1992 09 23.18333	23 36 42.11	-04 24 14.2		4	809
1992 SR20	*	1992 09 22.14375	23 37 32.56	-05 19 52.8	18.5	4	809
1992 SR20		1992 09 22.15694	23 37 31.84	-05 19 58.1		4	809
1992 SR20		1992 09 22.17014	23 37 31.18	-05 20 03.0		4	809
1992 SR20		1992 09 23.15694	23 36 45.54	-05 26 22.0		4	809
1992 SR20		1992 09 23.17014	23 36 44.94	-05 26 27.0		4	809
1992 SR20		1992 09 23.18333	23 36 44.26	-05 26 31.6		4	809
1992 SS20	*	1992 09 22.14375	23 37 35.70	-04 18 26.1	18.6	4	809
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1992 SS20		1992 09 23.15694	23 36 55.89	-04 27 59.0		4	809
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1992 SU20		1992 09 23.15694	23 37 05.78	-04 20 34.1		4	809
1992 SU20		1992 09 23.17014	23 37 05.12	-04 20 38.1		4	809
1992 SU20		1992 09 23.18333	23 37 04.59	-04 20 41.1		4	809
1992 SV20	*	1992 09 22.14375	23 37 58.16	-06 46 31.6	18.6	4	809
1992 SV20		1992 09 22.15694	23 37 57.40	-06 46 34.8		4	809
1992 SV20		1992 09 22.17014	23 37 56.68	-06 46 37.9		4	809
1992 SV20		1992 09 23.15694	23 37 05.21	-06 50 19.8		4	809
1992 SV20		1992 09 23.17014	23 37 04.49	-06 50 22.5		4	809
1992 SV20		1992 09 23.18333	23 37 03.88	-06 50 26.4		4	809
1992 SW20	*	1992 09 22.14375	23 38 38.17	-05 04 07.0	18.2	4	809
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1992 SW20		1992 09 23.15694	23 37 54.53	-05 11 35.4		4	809
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1992 SW20		1992 09 23.18333	23 37 53.33	-05 11 47.2		4	809
1992 SX20	*	1992 09 22.14375	23 39 11.61	-05 05 50.6	18.5	4	809
1992 SX20		1992 09 22.15694	23 39 10.89	-05 05 54.0		4	809

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1992 SX20		1992 09 23.15694	23 38 18.42	-05 08 29.9		4	809
1992 SX20		1992 09 23.17014	23 38 17.62	-05 08 32.1		4	809
1992 SX20		1992 09 23.18333	23 38 16.95	-05 08 34.3		4	809
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1992 SY20		1992 09 22.17014	23 39 20.91	-06 35 20.4		4	809
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1992 SY20		1992 09 23.18333	23 38 30.01	-06 39 25.6		4	809
1992 SZ20	*	1992 09 22.14375	23 39 45.89	-04 34 50.1	18.6	4	809
1992 SZ20		1992 09 22.15694	23 39 45.28	-04 35 00.7		4	809
1992 SZ20		1992 09 22.17014	23 39 44.49	-04 35 12.1		4	809
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1992 SZ20		1992 09 23.17014	23 39 00.33	-04 47 56.0		4	809
1992 SZ20		1992 09 23.18333	23 38 59.77	-04 48 07.4		4	809
1992 SA21	*	1992 09 22.14375	23 39 56.26	-05 35 28.0	18.5	4	809
1992 SA21		1992 09 22.15694	23 39 55.35	-05 35 30.9		4	809
1992 SA21		1992 09 22.17014	23 39 54.53	-05 35 32.7		4	809
1992 SA21		1992 09 23.15694	23 38 54.32	-05 37 59.4		4	809
1992 SA21		1992 09 23.17014	23 38 53.68	-05 38 00.5		4	809
1992 SA21		1992 09 23.18333	23 38 52.93	-05 38 03.2		4	809
1992 SB21	*	1992 09 22.14375	23 40 03.52	-05 45 28.3	18.5	4	809
1992 SB21		1992 09 22.15694	23 40 02.79	-05 45 36.3		4	809
1992 SB21		1992 09 22.17014	23 40 01.98	-05 45 44.7		4	809
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1992 SB21		1992 09 23.17014	23 39 14.14	-05 52 51.4		4	809
1992 SB21		1992 09 23.18333	23 39 13.37	-05 52 56.7		4	809
1992 SC21	*	1992 09 22.14375	23 40 37.18	-07 07 23.9	18.5	4	809
1992 SC21		1992 09 22.15694	23 40 36.44	-07 07 28.6		4	809
1992 SC21		1992 09 22.17014	23 40 35.81	-07 07 32.1		4	809
1992 SC21		1992 09 23.15694	23 39 50.78	-07 12 27.0		4	809
1992 SC21		1992 09 23.17014	23 39 50.10	-07 12 30.5		4	809
1992 SC21		1992 09 23.18333	23 39 49.53	-07 12 33.9		4	809
1992 SD21	*	1992 09 22.14375	23 41 21.49	-06 37 34.6	19.5	4	809
1992 SD21		1992 09 22.15694	23 41 20.92	-06 37 38.5		4	809
1992 SD21		1992 09 22.17014	23 41 20.31	-06 37 43.0		4	809
1992 SD21		1992 09 23.15694	23 40 35.46	-06 42 38.1		4	809
1992 SD21		1992 09 23.17014	23 40 34.91	-06 42 41.7		4	809
1992 SD21		1992 09 23.18333	23 40 34.48	-06 42 47.8		4	809
1992 SE21	*	1992 09 22.14375	23 41 43.67	-06 53 31.0	19.3	4	809
1992 SE21		1992 09 22.15694	23 41 42.76	-06 53 31.8		4	809
1992 SE21		1992 09 22.17014	23 41 41.84	-06 53 34.5		4	809
1992 SE21		1992 09 23.15694	23 40 51.27	-07 01 59.1		4	809
1992 SE21		1992 09 23.17014	23 40 50.71	-07 02 05.8		4	809
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1992 SF21	*	1992 09 22.14375	23 42 42.05	-04 08 38.1	18.6	4	809
1992 SF21		1992 09 22.15694	23 42 41.43	-04 08 45.9		4	809
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1992 SF21		1992 09 23.18333	23 41 49.78	-04 18 21.0		4	809
1992 SG21	*	1992 09 22.14375	23 43 06.93	-06 22 04.3	18.6	4	809
1992 SG21		1992 09 22.15694	23 43 06.23	-06 22 11.7		4	809
1992 SG21		1992 09 22.17014	23 43 05.53	-06 22 19.2		4	809
1992 SG21		1992 09 23.15694	23 42 15.83	-06 31 09.9		4	809
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1992 SG21		1992 09 23.18333	23 42 14.45	-06 31 23.5		4	809
1992 SH21	*	1992 09 22.14375	23 43 09.65	-04 29 02.8	18.7	4	809

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1992 SH21		1992 09 22.17014	23 43 08.03	-04 29 05.5		4	809
1992 SH21		1992 09 23.15694	23 42 12.47	-04 30 43.2		4	809
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1992 SH21		1992 09 23.18333	23 42 10.96	-04 30 45.6		4	809
1992 SJ21	*	1992 09 22.14375	23 43 23.33	-06 37 39.1	18.5	4	809
1992 SJ21		1992 09 22.15694	23 43 22.76	-06 37 43.5		4	809
1992 SJ21		1992 09 22.17014	23 43 22.12	-06 37 47.8		4	809
1992 SJ21		1992 09 23.15694	23 42 38.80	-06 42 59.2		4	809
1992 SJ21		1992 09 23.17014	23 42 38.15	-06 43 03.1		4	809
1992 SJ21		1992 09 23.18333	23 42 37.54	-06 43 08.6		4	809
1992 SK21	*	1992 09 22.14375	23 43 45.48	-04 43 32.0	19.3	4	809
1992 SK21		1992 09 22.15694	23 43 44.68	-04 43 35.0		4	809
1992 SK21		1992 09 22.17014	23 43 43.85	-04 43 37.4		4	809
1992 SK21		1992 09 23.15694	23 42 47.82	-04 45 53.8		4	809
1992 SK21		1992 09 23.17014	23 42 47.14	-04 45 54.8		4	809
1992 SK21		1992 09 23.18333	23 42 46.38	-04 45 58.0		4	809
1992 SL21	*	1992 09 22.14375	23 44 16.67	-06 40 57.2	18.6	4	809
1992 SL21		1992 09 22.15694	23 44 15.82	-06 41 02.9		4	809
1992 SL21		1992 09 22.17014	23 44 14.91	-06 41 07.9		4	809
1992 SL21		1992 09 23.15694	23 43 16.43	-06 47 03.5		4	809
1992 SL21		1992 09 23.17014	23 43 15.54	-06 47 08.8		4	809
1992 SL21		1992 09 23.18333	23 43 14.68	-06 47 14.1		4	809
1992 SM21	*	1992 09 22.14375	23 44 58.34	-04 49 05.4	18.6	4	809
1992 SM21		1992 09 22.15694	23 44 57.52	-04 49 12.4		4	809
1992 SM21		1992 09 22.17014	23 44 56.83	-04 49 18.6		4	809
1992 SM21		1992 09 23.15694	23 44 03.64	-04 57 06.4		4	809
1992 SM21		1992 09 23.17014	23 44 02.88	-04 57 13.0		4	809
1992 SM21		1992 09 23.18333	23 44 02.16	-04 57 19.4		4	809
1992 SN21	*	1992 09 22.14375	23 44 58.80	-06 06 58.4	18.5	4	809
1992 SN21		1992 09 22.15694	23 44 58.11	-06 07 05.2		4	809
1992 SN21		1992 09 22.17014	23 44 57.34	-06 07 12.6		4	809
1992 SN21		1992 09 23.15694	23 44 08.31	-06 15 43.5		4	809
1992 SN21		1992 09 23.17014	23 44 07.61	-06 15 50.9		4	809
1992 SN21		1992 09 23.18333	23 44 06.90	-06 15 57.6		4	809
1992 SO21	*	1992 09 22.14375	23 46 37.41	-05 43 11.5	18.6	4	809
1992 SO21		1992 09 22.15694	23 46 36.70	-05 43 13.3		4	809
1992 SO21		1992 09 22.17014	23 46 35.88	-05 43 14.6		4	809
1992 SO21		1992 09 23.15694	23 45 39.75	-05 44 21.7		4	809
1992 SO21		1992 09 23.17014	23 45 38.96	-05 44 21.3		4	809
1992 SO21		1992 09 23.18333	23 45 38.15	-05 44 22.4		4	809
1992 SP21	*	1992 09 22.14375	23 46 38.49	-05 23 29.1	18.6	4	809
1992 SP21		1992 09 22.15694	23 46 37.85	-05 23 35.5		4	809
1992 SP21		1992 09 22.17014	23 46 37.05	-05 23 42.5		4	809
1992 SP21		1992 09 23.15694	23 45 48.68	-05 31 49.6		4	809
1992 SP21		1992 09 23.17014	23 45 47.92	-05 31 56.3		4	809
1992 SP21		1992 09 23.18333	23 45 47.28	-05 32 02.5		4	809
1992 SQ21	*	1992 09 22.14375	23 46 46.15	-04 15 28.6	19.2	4	809
1992 SQ21		1992 09 22.15694	23 46 45.39	-04 15 31.4		4	809
1992 SQ21		1992 09 22.17014	23 46 44.62	-04 15 34.4		4	809
1992 SQ21		1992 09 23.15694	23 45 56.36	-04 18 29.5		4	809
1992 SQ21		1992 09 23.17014	23 45 55.66	-04 18 32.9		4	809
1992 SQ21		1992 09 23.18333	23 45 55.14	-04 18 34.4		4	809
1992 SR21	*	1992 09 22.14375	23 47 43.66	-06 12 30.1	19.2	4	809
1992 SR21		1992 09 22.15694	23 47 42.78	-06 12 33.8		4	809
1992 SR21		1992 09 22.17014	23 47 42.07	-06 12 35.2		4	809
1992 SR21		1992 09 23.15694	23 46 50.25	-06 15 06.2		4	809
1992 SR21		1992 09 23.17014	23 46 49.47	-06 15 08.5		4	809
1992 SR21		1992 09 23.18333	23 46 48.75	-06 15 10.2		4	809

1992	SS21	*	1992	09	22.14375	23	48	55.88	-06	15	37.3	19.0	4	809
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1992	SS21		1992	09	22.17014	23	48	54.40	-06	15	45.8		4	809
1992	SS21		1992	09	23.15694	23	48	04.86	-06	20	04.5		4	809
1992	SS21		1992	09	23.17014	23	48	03.97	-06	20	09.3		4	809
1992	SS21		1992	09	23.18333	23	48	03.32	-06	20	12.0		4	809
1992	ST21	*	1992	09	22.14375	23	49	59.69	-04	58	18.2	18.8	4	809
1992	ST21		1992	09	22.15694	23	49	58.97	-04	58	23.7		4	809
1992	ST21		1992	09	22.17014	23	49	58.11	-04	58	29.3		4	809
1992	ST21		1992	09	23.15694	23	49	03.26	-05	05	35.2		4	809
1992	ST21		1992	09	23.17014	23	49	02.56	-05	05	41.3		4	809
1992	ST21		1992	09	23.18333	23	49	01.95	-05	05	46.5		4	809
1992	SU21	*	1992	09	22.14375	23	31	08.96	-07	24	04.8	18.2	4	809
1992	SU21		1992	09	22.15694	23	31	08.34	-07	24	07.5		4	809
1992	SU21		1992	09	22.17014	23	31	07.72	-07	24	10.0		4	809
1992	SU21		1992	09	23.15694	23	30	27.97	-07	26	42.7		4	809
1992	SU21		1992	09	23.17014	23	30	27.37	-07	26	45.3		4	809
1992	SU21		1992	09	23.18333	23	30	26.78	-07	26	47.7		4	809
1992	SV21	*	1992	09	22.14375	23	31	10.06	-06	54	32.2	18.6	4	809
1992	SV21		1992	09	22.15694	23	31	09.34	-06	54	35.4		4	809
1992	SV21		1992	09	22.17014	23	31	08.56	-06	54	38.8		4	809
1992	SV21		1992	09	23.15694	23	30	16.00	-06	58	10.7		4	809
1992	SV21		1992	09	23.17014	23	30	15.24	-06	58	14.3		4	809
1992	SV21		1992	09	23.18333	23	30	14.55	-06	58	17.6		4	809
1992	SW21	*	1992	09	22.14375	23	31	32.65	-07	11	35.4	18.7	4	809
1992	SW21		1992	09	22.15694	23	31	31.65	-07	11	37.0		4	809
1992	SW21		1992	09	22.17014	23	31	30.84	-07	11	38.8		4	809
1992	SW21		1992	09	23.15694	23	30	31.76	-07	13	29.3		4	809
1992	SW21		1992	09	23.17014	23	30	30.93	-07	13	30.5		4	809
1992	SW21		1992	09	23.18333	23	30	30.28	-07	13	32.7		4	809
1992	SX21	*	1992	09	22.14375	23	31	55.93	-07	51	22.2	19.0	4	809
1992	SX21		1992	09	22.15694	23	31	55.21	-07	51	25.0		4	809
1992	SX21		1992	09	22.17014	23	31	54.47	-07	51	27.4		4	809
1992	SX21		1992	09	23.15694	23	31	05.81	-07	55	02.1		4	809
1992	SX21		1992	09	23.17014	23	31	05.10	-07	55	04.2		4	809
1992	SX21		1992	09	23.18333	23	31	04.53	-07	55	06.8		4	809
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1992	SY21		1992	09	23.18333	23	31	07.23	-07	07	58.1		4	809
1992	SZ21	*	1992	09	22.14375	23	32	31.60	-07	12	05.5	18.4	4	809
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1992	SZ21		1992	09	22.17014	23	32	30.13	-07	12	09.3		4	809
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1992 SH22		1992 09 23.18333	23 33 06.60	-09 01 45.8		4	809
1992 SJ22	*	1992 09 22.14375	23 34 02.44	-08 35 02.6	18.7	4	809
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1992 SJ22		1992 09 23.17014	23 33 11.96	-08 38 22.7		4	809
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1360	T-2	1992 07	24.24792	21 27	10.15	-13 01	44.3		4	809
1360	T-2	1992 07	24.25833	21 27	09.64	-13 01	47.0		4	809
1360	T-2	1992 07	24.26875	21 27	09.11	-13 01	49.2		4	809
1360	T-2	1992 07	26.22083	21 25	45.76	-13 08	21.0	18.6	4	809
1360	T-2	1992 07	26.23125	21 25	45.30	-13 08	22.2		4	809
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1360	T-2	1992 07	30.27917	21 22	42.59	-13 22	49.0		4	809
2280	T-2	1992 07	30.29444	21 46	51.82	-09 41	08.2	18.5	4	809
2280	T-2	1992 07	30.30486	21 46	51.27	-09 41	10.5		4	809
2280	T-2	1992 07	30.31528	21 46	50.68	-09 41	13.9		4	809
2280	T-2	1992 07	30.32986	21 46	50.03	-09 41	15.8		4	809
2280	T-2	1992 07	30.34028	21 46	49.50	-09 41	18.3		4	809
2280	T-2	1992 07	30.35069	21 46	48.95	-09 41	21.0		4	809
2280	T-2	1992 07	31.23750	21 46	03.00	-09 46	03.5	18.5	4	809
2280	T-2	1992 07	31.24792	21 46	02.41	-09 46	06.8		4	809
2280	T-2	1992 07	31.25833	21 46	01.78	-09 46	09.9		4	809
3060	T-2	1992 09	22.14375	23 34	11.62	-07 45	25.0	18.7	4	809

3060 T-2	1992 09	22.15694	23 34	10.76	-07 45	30.8		4	809
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3060 T-2	1992 09	23.15694	23 33	16.81	-07 50	42.0		4	809
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4262 T-2	1992 09	22.14375	23 45	22.36	-08 26	24.2	18.8	4	809
4262 T-2	1992 09	22.15694	23 45	21.44	-08 26	29.7		4	809
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4262 T-2	1992 09	23.15694	23 44	21.02	-08 31	54.4		4	809
4262 T-2	1992 09	23.17014	23 44	20.10	-08 31	58.3		4	809
4262 T-2	1992 09	23.18333	23 44	19.36	-08 32	02.2		4	809
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5485 T-2	1991 08	05.27153	21 04	22.50	-14 09	18.3		4	809
5485 T-2	1991 08	05.28472	21 04	21.61	-14 09	19.8		4	809
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1144 T-3	1992 09	22.11250	22 48	03.45	-05 00	42.8		4	809
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1144 T-3	1992 09	23.12917	22 47	18.13	-05 02	41.7		4	809
3109 T-3	1992 04	25.03438	13 50	54.06	-11 41	36.5	17.1	3	809
3109 T-3	1992 04	25.04479	13 50	53.62	-11 41	34.2		3	809
3109 T-3	1992 04	25.05521	13 50	53.15	-11 41	31.6		3	809
3109 T-3	1992 05	01.15590	13 46	25.25	-11 17	07.8		3	809
3109 T-3	1992 05	01.16632	13 46	24.79	-11 17	05.0		3	809
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(62)	1992 07	26.25625	21 46	53.78	-14 04	37.1	15.0	4	809
(62)	1992 07	26.26667	21 46	53.20	-14 04	39.8		4	809
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(178)	1992 07	27.22882	20 51	36.00	-20 57	33.9		3	809
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(178)	1992 07	27.24965	20 51	34.81	-20 57	39.8		3	809
(178)	1992 07	28.23230	20 50	38.14	-21 01	40.4		3	809
(178)	1992 07	28.24271	20 50	37.54	-21 01	43.2		3	809
(178)	1992 07	28.25313	20 50	36.94	-21 01	45.7		3	809
(178)	1992 07	30.22743	20 48	42.17	-21 09	45.3		3	809
(178)	1992 07	30.23785	20 48	41.56	-21 09	47.9		3	809
(178)	1992 07	30.24826	20 48	40.95	-21 09	50.5		3	809
(180)	1992 08	01.00694	20 31	28.57	-19 02	32.7		3	809
(180)	1992 08	01.01527	20 31	28.11	-19 02	33.9		3	809
(180)	1992 08	01.02361	20 31	27.65	-19 02	35.2		3	809
(180)	1992 08	02.30902	20 30	19.00	-19 06	20.0		3	809
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(244)	1992 04	25.03438	13 52	11.13	-11 15	29.3		3	809
(244)	1992 04	25.04479	13 52	10.53	-11 15	25.0		3	809
(244)	1992 04	25.05521	13 52	09.88	-11 15	21.0		3	809
(244)	1992 05	01.15590	13 46	09.97	-10 34	16.9		3	809
(244)	1992 05	01.16632	13 46	09.37	-10 34	12.5		3	809
(244)	1992 05	01.17673	13 46	08.80	-10 34	08.4		3	809
(277)	1992 07	21.13646	20 22	17.05	-17 39	45.9		3	809
(277)	1992 07	21.14549	20 22	16.61	-17 39	47.3		3	809
(277)	1992 07	21.15451	20 22	16.17	-17 39	49.1		3	809
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(2707)	1992 07 27.22882	20 52 15.18	-20 33 48.1	3	809
(2707)	1992 07 27.23924	20 52 14.69	-20 33 50.1	3	809
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(2742)	1992 07 30.26875	21 16 02.46	-16 46 06.9	4	809
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(3071)	1992 07 24.29583	21 57 20.74	-12 45 42.1	4 809
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(3095)	1992 07 24.04167	19 43 12.99	-21 09 17.4	3 809
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(3125)	1992 07 26.24167	21 26 36.53	-14 55 09.3	4 809
(3125)	1992 07 30.25833	21 23 27.08	-15 23 12.9	18.2 4 809
(3125)	1992 07 30.26875	21 23 26.54	-15 23 17.5	4 809
(3125)	1992 07 30.27917	21 23 26.02	-15 23 22.4	4 809
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(3170)	1992 05 01.35382	15 20 43.65	-19 34 33.1	3 809
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(3701)	1992 09 22.15694	23 44 49.44	-09 03 29.7	4 809
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(3701)	1992 09 23.18333	23 44 01.09	-09 09 20.6	4 809
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(3746)	1992 07 27.23924	20 50 36.61	-19 28 29.6	3 809
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(3746)	1992 07 28.23230	20 49 50.83	-19 31 28.8	3 809
(3746)	1992 07 28.24271	20 49 50.35	-19 31 30.8	3 809
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(3814)	1992 05 04.24757	13 49 05.71	-08 48 52.8	3 809
(3814)	1992 05 04.25799	13 49 05.28	-08 48 50.2	3 809
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(4389)	1992 07 22.18785	20 14 36.20	-18 56 59.3	3	809
(4389)	1992 07 23.20139	20 13 44.85	-19 00 43.9	3	809
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18.3

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(4753)	1992 05 02.13021	14 19 38.53	-11 05 52.6		3 809
(4753)	1992 05 02.14063	14 19 37.95	-11 05 51.3		3 809
(4753)	1992 05 02.15104	14 19 37.33	-11 05 49.5		3 809
(4753)	1992 05 03.25591	14 18 35.18	-11 02 59.5		3 809
(4753)	1992 05 03.26632	14 18 34.61	-11 02 58.3		3 809
(4753)	1992 05 03.27673	14 18 34.00	-11 02 57.0		3 809
(4823)	1992 07 24.25417	20 43 35.96	-19 14 29.2		3 809
(4823)	1992 07 24.26250	20 43 35.42	-19 14 30.6		3 809
(4823)	1992 07 24.27083	20 43 34.89	-19 14 31.8		3 809
(4823)	1992 08 01.00694	20 35 14.37	-19 40 49.2		3 809
(4823)	1992 08 01.01527	20 35 13.83	-19 40 50.8		3 809
(4823)	1992 08 01.02361	20 35 13.29	-19 40 52.7		3 809
(4841)	1992 07 30.32986	21 58 24.83	-11 35 12.8		4 809
(4841)	1992 07 30.34028	21 58 24.28	-11 35 16.5		4 809
(4841)	1992 07 30.35069	21 58 23.78	-11 35 19.5		4 809
(4841)	1992 07 31.23750	21 57 43.67	-11 40 29.0	18.2	4 809
(4841)	1992 07 31.24792	21 57 43.13	-11 40 33.3		4 809
(4841)	1992 07 31.25833	21 57 42.57	-11 40 36.8		4 809
(4850)	1992 07 30.32986	21 59 16.30	-10 00 42.5		4 809
(4850)	1992 07 30.34028	21 59 15.80	-10 00 44.7		4 809
(4850)	1992 07 30.35069	21 59 15.32	-10 00 47.2		4 809
(4850)	1992 07 31.23750	21 58 40.69	-10 04 01.3	18.5	4 809
(4850)	1992 07 31.24792	21 58 40.26	-10 04 04.4		4 809
(4850)	1992 07 31.25833	21 58 39.76	-10 04 06.7		4 809
(4894)	1992 05 01.28229	15 25 19.05	-21 48 50.0		3 809
(4894)	1992 05 01.29132	15 25 18.52	-21 48 47.2		3 809
(4894)	1992 05 01.30035	15 25 17.96	-21 48 44.7		3 809
(4894)	1992 05 08.18507	15 18 23.01	-21 16 18.8		3 809
(4894)	1992 05 08.19548	15 18 22.37	-21 16 15.7		3 809
(4894)	1992 05 08.20590	15 18 21.70	-21 16 12.8		3 809
(4894)	1992 05 10.12674	15 16 19.57	-21 06 04.0		3 809

(4894)	1992 05 10.13715	15 16 18.92	-21 06 01.0	3	809
(4894)	1992 05 10.14757	15 16 18.23	-21 05 57.7	3	809
(4894)	1992 05 11.14272	15 15 14.33	-21 00 31.5	3	809
(4894)	1992 05 11.15312	15 15 13.66	-21 00 28.2	3	809
(4894)	1992 05 11.16354	15 15 13.01	-21 00 25.5	3	809
(4894)	1992 05 11.30521	15 15 03.32	-20 59 37.7	3	809
(4894)	1992 05 11.31563	15 15 02.66	-20 59 34.4	3	809
(4894)	1992 05 11.32603	15 15 01.99	-20 59 30.6	3	809
(4894)	1992 05 12.11008	15 14 12.00	-20 55 10.4	3	809
(4894)	1992 05 12.12048	15 14 11.31	-20 55 07.1	3	809
(4894)	1992 05 12.12674	15 14 10.92	-20 55 05.6	3	809
(4894)	1992 05 12.13368	15 14 10.48	-20 55 03.3	3	809
(4894)	1992 05 12.15938	15 14 08.62	-20 54 54.5	3	809
(4894)	1992 05 12.16978	15 14 07.98	-20 54 50.9	3	809
(4894)	1992 05 12.31805	15 13 57.81	-20 54 00.1	3	809
(4894)	1992 05 12.32500	15 13 57.38	-20 53 57.8	3	809
(4894)	1992 05 12.33194	15 13 56.93	-20 53 55.9	3	809
(4894)	1992 05 13.05798	15 13 10.83	-20 49 50.1	3	809
(4894)	1992 05 13.06841	15 13 10.13	-20 49 46.4	3	809
(4894)	1992 05 13.09027	15 13 08.63	-20 49 39.1	3	809
(4894)	1992 05 13.10140	15 13 07.95	-20 49 35.8	3	809
(4894)	1992 05 13.35695	15 12 50.68	-20 48 07.7	3	809
(4894)	1992 05 13.36389	15 12 50.23	-20 48 05.6	3	809
(4894)	1992 05 13.37083	15 12 49.77	-20 48 03.4	3	809
(4933)	1992 07 24.24792	21 21 50.88	-14 11 34.0	4	809
(4933)	1992 07 24.25833	21 21 50.30	-14 11 37.6	4	809
(4933)	1992 07 24.26875	21 21 49.62	-14 11 41.2	4	809
(4933)	1992 07 26.22083	21 20 07.58	-14 21 23.5	18.1	4 809
(4933)	1992 07 26.23125	21 20 07.02	-14 21 26.4	4	809
(4933)	1992 07 26.24167	21 20 06.41	-14 21 29.2	4	809
(4933)	1992 07 30.25833	21 16 25.94	-14 42 19.7	18.0	4 809
(4933)	1992 07 30.26875	21 16 25.20	-14 42 24.8	4	809
(4933)	1992 07 30.27917	21 16 24.66	-14 42 26.4	4	809
(4933)	1992 08 04.31215	21 11 36.31	-15 09 21.5	3	809
(4933)	1992 08 04.32118	21 11 35.79	-15 09 24.4	3	809
(4933)	1992 08 04.33022	21 11 35.26	-15 09 27.3	3	809
(4933)	1992 08 05.25591	21 10 41.67	-15 14 27.5	3	809
(4933)	1992 08 05.26492	21 10 41.15	-15 14 30.5	3	809
(4933)	1992 08 05.27396	21 10 40.62	-15 14 33.5	3	809
(5003)	1992 08 01.06876	20 30 30.95	-16 21 44.3	3	809
(5003)	1992 08 01.07709	20 30 30.51	-16 21 45.4	3	809
(5003)	1992 08 01.08542	20 30 30.06	-16 21 47.4	3	809
(5142)	1992 04 24.97882	12 33 57.82	-05 00 54.9	3	809
(5142)	1992 04 24.98923	12 33 57.48	-05 00 52.3	3	809
(5142)	1992 04 24.99965	12 33 57.05	-05 00 48.7	3	809
(5214)	1992 04 24.97882	12 31 54.54	-06 22 22.7	3	809
(5214)	1992 04 24.98923	12 31 53.98	-06 22 22.1	3	809
(5214)	1992 04 24.99965	12 31 53.41	-06 22 21.0	3	809
(5220)	1992 04 25.03438	13 46 55.37	-12 38 08.8	3	809
(5220)	1992 04 25.04479	13 46 54.65	-12 38 06.9	3	809
(5220)	1992 04 25.05521	13 46 53.91	-12 38 05.2	3	809
(5244)	1992 05 01.21042	14 19 35.48	-13 17 31.9	3	809
(5244)	1992 05 01.21736	14 19 35.26	-13 17 30.8	3	809
(5244)	1992 05 01.22430	14 19 35.08	-13 17 29.4	3	809
(5244)	1992 05 03.22188	14 18 36.06	-13 11 09.2	3	809
(5244)	1992 05 03.23229	14 18 35.82	-13 11 07.2	3	809
(5244)	1992 05 03.24271	14 18 35.55	-13 11 05.0	3	809
(5299)	1992 08 05.40034	22 10 31.60	-11 29 56.2	16.6	3 809
(5299)	1992 08 05.40938	22 10 31.20	-11 29 57.6	3	809

(5299)	1992 08 05.41840	22 10 30.75	-11 29 58.6		3 809
(5340)	1992 07 24.28542	21 48 08.91	-09 27 10.1		4 809
(5340)	1992 07 24.29583	21 48 08.48	-09 27 12.3		4 809
(5340)	1992 07 24.30625	21 48 08.03	-09 27 12.7		4 809
(5340)	1992 07 26.25625	21 46 51.44	-09 31 19.2	18.2	4 809
(5340)	1992 07 26.26667	21 46 50.99	-09 31 20.4		4 809
(5340)	1992 07 26.27708	21 46 50.55	-09 31 22.2		4 809
(5341)	1992 07 24.24792	21 36 26.59	-13 55 06.9		4 809
(5341)	1992 07 24.25833	21 36 26.08	-13 55 09.3		4 809
(5341)	1992 07 24.26875	21 36 25.61	-13 55 10.3		4 809
(5341)	1992 07 26.22083	21 35 08.19	-13 58 59.6	18.0	4 809
(5341)	1992 07 26.23125	21 35 07.68	-13 59 01.6		4 809
(5341)	1992 07 26.24167	21 35 07.22	-13 59 02.5		4 809
(5341)	1992 07 30.25833	21 32 08.04	-14 08 19.2		4 809
(5341)	1992 07 30.26875	21 32 07.47	-14 08 20.7		4 809
(5341)	1992 07 30.27917	21 32 06.89	-14 08 21.8		4 809
(5341)	1992 07 30.29444	21 32 06.22	-14 08 24.0	18.4	4 809
(5341)	1992 07 30.30486	21 32 05.69	-14 08 25.9		4 809
(5341)	1992 07 30.31528	21 32 05.18	-14 08 26.1		4 809
(5341)	1992 08 04.36909	21 27 49.09	-14 22 16.1	16.8	3 809
(5341)	1992 08 04.37813	21 27 48.63	-14 22 17.4		3 809
(5341)	1992 08 04.38715	21 27 48.15	-14 22 19.2		3 809
(5341)	1992 08 05.31285	21 26 58.68	-14 25 02.7		3 809
(5341)	1992 08 05.32187	21 26 58.20	-14 25 04.1		3 809
(5341)	1992 08 05.33090	21 26 57.73	-14 25 05.7		3 809
(5345)	1992 07 24.28542	21 40 04.87	-12 03 35.8		4 809
(5345)	1992 07 24.29583	21 40 04.34	-12 03 35.1		4 809
(5345)	1992 07 24.30625	21 40 03.87	-12 03 35.5		4 809
(5345)	1992 07 26.25625	21 38 39.63	-12 03 07.6	18.2	4 809
(5345)	1992 07 26.26667	21 38 39.10	-12 03 07.6		4 809
(5345)	1992 07 26.27708	21 38 38.63	-12 03 07.1		4 809
(5345)	1992 07 30.29444	21 35 30.37	-12 03 12.1		4 809
(5345)	1992 07 30.30486	21 35 29.78	-12 03 12.3		4 809
(5345)	1992 07 30.31528	21 35 29.25	-12 03 12.7		4 809
(5358)	1992 09 22.09931	22 40 25.88	-04 38 54.9	17.5	4 809
(5358)	1992 09 22.11250	22 40 25.15	-04 38 55.0		4 809
(5358)	1992 09 22.12569	22 40 24.46	-04 38 56.4		4 809
(5358)	1992 09 23.10278	22 39 36.26	-04 39 44.8		4 809
(5358)	1992 09 23.11597	22 39 35.59	-04 39 45.0		4 809
(5358)	1992 09 23.12917	22 39 34.92	-04 39 45.8		4 809
(5366)	1992 09 22.14375	23 42 39.86	-04 59 48.8	17.8	4 809
(5366)	1992 09 22.15694	23 42 39.20	-04 59 55.6		4 809
(5366)	1992 09 22.17014	23 42 38.54	-05 00 02.6		4 809
(5366)	1992 09 23.15694	23 41 56.25	-05 08 22.7		4 809
(5366)	1992 09 23.17014	23 41 55.61	-05 08 30.0		4 809
(5366)	1992 09 23.18333	23 41 54.99	-05 08 37.0		4 809
(5400)	1992 09 22.09931	22 44 28.82	-08 36 27.0	18.4	4 809
(5400)	1992 09 22.11250	22 44 28.26	-08 36 30.2		4 809
(5400)	1992 09 22.12569	22 44 27.72	-08 36 33.0		4 809
(5400)	1992 09 23.10278	22 43 49.47	-08 40 07.7		4 809
(5400)	1992 09 23.11597	22 43 48.90	-08 40 10.5		4 809
(5400)	1992 09 23.12917	22 43 48.42	-08 40 13.3		4 809

871 Akou-Nishiharima

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

Observers M. Okyudo, T. Kuroda

Measurer T. Nomura

0.60-m f/12 reflector + CCD

PPM

(4179)	1992 12 08.85233	12 41 39.33	-19 46 03.0	871
(4179)	1992 12 08.85390	12 41 33.72	-19 45 25.2	871
(4179)	1992 12 18.64243	09 09 17.46	+12 08 17.2	871
(4179)	1992 12 18.64657	09 09 15.70	+12 08 31.1	871

877 Okutama

S. Hayakawa, 1-31-33, Nagano, Gyoda-Shi, Saitama-Ken, 361 Japan

Observer T. Hioki

Measurers S. Hayakawa, T. Hioki

0.30-m f/3.8 hyperboloid astrocamera

GSC

1992 UG	1992 12 15.53889	02 38 24.80	+10 49 58.6	16.0	877
1992 UG	1992 12 15.56528	02 38 24.76	+10 50 09.2		877
1992 UG	1992 12 15.58099	02 38 24.78	+10 50 16.5		877
1992 UG	1992 12 18.53090	02 38 37.75	+11 10 43.7		877
1992 UG	1992 12 18.55833	02 38 37.86	+11 10 55.9		877
1992 UB3	1992 11 21.61493	02 55 37.42	+20 05 34.1		877
1992 UB3	1992 11 21.63368	02 55 36.09	+20 05 35.4		877
1992 UB3	1992 11 27.63611	02 49 40.33	+20 13 33.9		877
1992 UB3	1992 11 27.65937	02 49 38.95	+20 13 35.9		877
1992 UB3	1992 11 29.58472	02 47 54.71	+20 16 08.1	16.0	877
1992 UB3	1992 11 29.60972	02 47 53.39	+20 16 06.1		877
1992 UT4	1992 11 17.73316	03 07 02.26	+20 59 20.4	15.5	877
1992 UT4	1992 11 17.75365	03 07 00.72	+20 59 22.5		877
1992 UT4	1992 11 18.58576	03 06 03.74	+21 00 01.8		877
1992 UT4	1992 11 18.60365	03 06 02.42	+21 00 03.0		877
1992 UE6	1992 11 21.72899	03 47 24.29	+18 30 18.3		877
1992 UE6	1992 11 21.74826	03 47 22.96	+18 30 22.8		877
1992 UE6	1992 11 25.75579	03 42 40.31	+18 42 44.4	16.0	877
1992 UE6	1992 11 25.78056	03 42 38.60	+18 42 47.4		877
1992 UE6	1992 12 02.59861	03 35 03.68	+19 04 04.5	16.0	877
1992 UE6	1992 12 02.61806	03 35 02.52	+19 04 07.3		877
1992 UE6	1992 12 19.50729	03 21 36.95	+20 01 54.5		877
1992 UE6	1992 12 19.52795	03 21 36.30	+20 01 56.2		877
1992 WQ1	1992 11 22.70266	04 22 53.55	+21 35 33.5	17.0	877
1992 WQ1	1992 11 22.72587	04 22 52.02	+21 35 15.9		877
1992 WQ1	1992 11 23.73194	04 21 49.83	+21 22 45.0		877
1992 WQ1	1992 11 23.75208	04 21 48.54	+21 22 29.4		877
1992 WQ1	1992 12 04.71979	04 10 37.58	+19 04 44.2	16.5	877
1992 WQ1	1992 12 04.73854	04 10 36.64	+19 04 32.0		877
1992 WL5	* 1992 11 25.80521	05 34 26.99	+22 49 26.5	16.5	877
1992 WL5	1992 11 25.82500	05 34 25.88	+22 49 17.9		877
1992 WL5	1992 12 04.75556	05 26 15.14	+22 04 36.0		877
1992 WL5	1992 12 04.77500	05 26 14.06	+22 04 29.7		877
1992 YB1	* 1992 12 24.70764	07 54 11.17	+23 03 59.9	17.0	877
1992 YB1	1992 12 24.74514	07 54 09.41	+23 04 06.4		877
1992 YB1	1992 12 25.72396	07 53 23.85	+23 06 16.0		877
1992 YB1	1992 12 25.75700	07 53 22.33	+23 06 20.9		877
1992 YB1	1992 12 30.64549	07 49 20.34	+23 17 22.1		877
1992 YB1	1992 12 30.67020	07 49 19.00	+23 17 25.3		877
1992 YA3	1992 12 26.70451	07 56 16.43	+18 33 19.1	16.0	877
1992 YA3	1992 12 26.73553	07 56 15.05	+18 33 15.7		877
1992 YA3	1992 12 29.73663	07 53 49.42	+18 30 14.4		877
1992 YA3	1992 12 29.75854	07 53 48.08	+18 30 12.0		877
1992 YG3	* 1992 12 30.79826	08 15 02.55	+19 18 42.5	17.0	877
1992 YG3	1992 12 30.82813	08 15 01.27	+19 18 45.5		877
1992 YG3	1993 01 02.63785	08 13 03.65	+19 26 41.5		877
1992 YG3	1993 01 02.66354	08 13 02.47	+19 26 45.4		877

881 Toyota

T. Urata, 6-1, Muramatsuhara 1 Chome, Shimizu, Shizuoka-Ken 424, Japan

Observer K. Suzuki

Measurer T. Urata

0.25-m f/4.2 Wright-Schmidt camera

GSC

1992 WM5	*	1992 11 26.57188	05 04 28.48	+18 24 40.3	16.5	881
1992 WM5		1992 11 26.59271	05 04 27.28	+18 24 43.8		881
1992 WM5		1992 11 29.57465	05 01 25.75	+18 32 26.4	16.8	881
1992 WM5		1992 11 29.59549	05 01 24.39	+18 32 28.9		881
1992 YU2		1992 12 29.63646	07 29 59.19	+15 11 18.4	16.5	881
1992 YU2		1992 12 29.65729	07 29 58.10	+15 11 17.4		881
1992 YV2		1992 12 29.63646	07 32 44.46	+14 24 12.0	15.5	881
1992 YV2		1992 12 29.65729	07 32 43.18	+14 24 08.3		881
1992 YW2		1992 12 29.63646	07 30 17.95	+14 40 15.7	17	881
1992 YW2		1992 12 29.65729	07 30 16.43	+14 40 09.9		881

885 JCPM Yakiimo Station

T. Urata, 6-1, Muramatsuhara 1 Chome, Shimizu, Shizuoka-Ken 424, Japan

Observer A. Natori

Measurer T. Urata

0.25-m f/3.4 hyperboloid astrocamera

GSC

1990 DX		1992 12 23.57396	04 11 06.18	+25 55 06.9	17.5	885
1990 DX		1992 12 23.59410	04 11 05.14	+25 55 04.3		885
1992 UO2		1992 12 26.41424	02 00 46.43	+26 20 29.6	16	885
1992 UO2		1992 12 26.43681	02 00 46.65	+26 20 31.3		885
1992 UF6		1992 12 15.44653	03 12 29.77	+23 31 23.3	16.3	885
1992 UF6		1992 12 15.47726	03 12 28.98	+23 31 12.7		885
1992 UF6		1992 12 16.45382	03 12 08.55	+23 25 14.9	16.3	885
1992 UF6		1992 12 16.49063	03 12 07.63	+23 25 01.8		885
1992 WM3		1992 12 03.67188	05 26 45.01	+23 24 47.1	16.5	885
1992 WM3		1992 12 03.68299	05 26 44.23	+23 24 48.5		885
1992 WN3		1992 12 03.67188	05 28 24.42	+25 10 50.3	16.5	885
1992 WN3		1992 12 03.68299	05 28 23.81	+25 10 55.3		885
1992 WN3		1992 12 26.51181	05 04 58.61	+26 53 34.4	16	885
1992 WN3		1992 12 26.52604	05 04 57.90	+26 53 37.4		885
1992 WO3		1992 12 03.65920	05 46 00.69	-04 45 34.5	15.8	885
1992 WO3		1992 12 03.66441	05 46 00.39	-04 45 41.4		885
1992 WO3		1992 12 26.63958	05 26 15.47	-11 13 21.7	16	885
1992 WO3		1992 12 26.65035	05 26 14.91	-11 13 29.2		885
1992 WX3		1992 12 23.60313	04 42 24.46	+33 56 50.4	16.5	885
1992 WX3		1992 12 23.60938	04 42 24.04	+33 56 48.3		885
1992 WM5		1992 12 05.71146	04 54 53.77	+18 49 08.1	16	885
1992 WM5		1992 12 05.72396	04 54 53.06	+18 49 12.2		885
1992 XB		1992 11 26.74722	05 33 06.83	+24 03 01.9	16.3	885
1992 XB		1992 11 26.75347	05 33 06.46	+24 02 59.8		885
1992 XB	*	1992 12 03.67188	05 26 57.10	+23 21 46.8	16.5	885
1992 XB		1992 12 03.68299	05 26 56.45	+23 21 44.2		885
1992 YA		1992 12 18.61181	06 34 50.89	+14 17 51.4	17	885
1992 YA		1992 12 18.64306	06 34 48.75	+14 17 52.0		885
1992 YA		1992 12 25.67986	06 27 01.40	+14 26 17.4	17.3	885
1992 YA		1992 12 25.71528	06 26 59.04	+14 26 19.7		885
1992 YB		1992 12 18.61181	06 35 00.33	+14 18 29.5	17.3	885
1992 YB		1992 12 25.67986	06 27 30.71	+14 39 07.1	17.3	885
1992 YB		1992 12 25.69792	06 27 29.45	+14 39 08.8		885
1992 YB		1992 12 25.71528	06 27 28.24	+14 39 12.2		885
1992 YD	*	1992 12 18.54965	06 00 03.44	+19 54 41.6	16.5	885
1992 YD		1992 12 18.56354	06 00 02.47	+19 54 49.4		885

1992 YD		1992 12	21.74132	05 56	32.93	+20 18	18.2	16.5	885
1992 YD		1992 12	21.75521	05 56	31.95	+20 18	23.6		885
1992 YD		1992 12	24.69236	05 53	17.96	+20 40	14.7	16.5	885
1992 YD		1992 12	30.64514	05 46	52.51	+21 24	19.5	16.5	885
1992 YD		1992 12	30.66076	05 46	51.43	+21 24	27.2		885
1992 YE	*	1992 12	18.57813	05 58	41.49	+30 16	18.5	17	885
1992 YE		1992 12	18.59201	05 58	40.46	+30 16	14.2		885
1992 YE		1992 12	21.74826	05 54	45.49	+30 03	38.9	17	885
1992 YE		1992 12	21.76215	05 54	44.53	+30 03	35.9		885
1992 YE		1992 12	24.67188	05 51	11.52	+29 50	52.3	17	885
1992 YE		1992 12	24.68524	05 51	10.57	+29 50	46.4		885
1992 YF	*	1992 12	18.57813	06 09	46.56	+30 48	55.8	16	885
1992 YF		1992 12	18.59201	06 09	45.60	+30 48	58.5		885
1992 YF		1992 12	21.77118	06 06	07.15	+31 04	12.4	16.5	885
1992 YF		1992 12	21.78507	06 06	06.19	+31 04	14.4		885
1992 YF		1992 12	24.72500	06 02	42.27	+31 16	59.0	16.3	885
1992 YF		1992 12	30.68611	05 55	55.38	+31 38	21.9	16.5	885
1992 YF		1992 12	30.69306	05 55	54.74	+31 38	22.3		885
1992 YG	*	1992 12	18.57813	06 03	08.77	+29 48	45.7	16.5	885
1992 YG		1992 12	18.59201	06 03	07.76	+29 48	47.7		885
1992 YG		1992 12	22.68229	05 59	11.20	+29 47	24.3	16.5	885
1992 YG		1992 12	22.69479	05 59	10.36	+29 47	24.6		885
1992 YH	*	1992 12	18.65799	06 26	04.21	+32 38	59.8	16	885
1992 YH		1992 12	18.67326	06 26	03.09	+32 39	07.6		885
1992 YH		1992 12	22.64514	06 21	22.29	+33 13	17.3	16	885
1992 YH		1992 12	22.65764	06 21	21.37	+33 13	22.4		885
1992 YH		1992 12	25.65382	06 17	45.43	+33 37	09.6	16	885
1992 YH		1992 12	25.67014	06 17	44.12	+33 37	16.5		885
1992 YH		1992 12	30.70243	06 11	43.63	+34 12	58.2	16	885
1992 YH		1992 12	30.71493	06 11	42.68	+34 13	03.9		885
1992 YJ	*	1992 12	22.71875	06 40	43.84	+18 03	08.5	16.5	885
1992 YJ		1992 12	22.73264	06 40	42.64	+18 02	58.1		885
1992 YJ		1992 12	23.65451	06 39	28.29	+17 53	49.8	16.5	885
1992 YJ		1992 12	23.66042	06 39	27.75	+17 53	45.9		885
1992 YJ		1992 12	23.66632	06 39	27.26	+17 53	43.0		885
1992 YJ		1992 12	26.53507	06 35	35.41	+17 25	36.6	16.5	885
1992 YJ		1992 12	26.54063	06 35	35.04	+17 25	32.2		885
1992 YK	*	1992 12	23.67222	06 41	28.73	+35 30	40.3	16.5	885
1992 YK		1992 12	23.68472	06 41	27.73	+35 30	40.4		885
1992 YK		1992 12	24.64549	06 40	16.75	+35 32	39.4	16.5	885
1992 YK		1992 12	24.65799	06 40	15.89	+35 32	40.5		885
1992 YK		1993 01	02.67778	06 28	58.61	+35 41	40.4	16	885
1992 YK		1993 01	02.69410	06 28	57.21	+35 41	40.2		885
1992 YL	*	1992 12	23.69097	06 33	35.59	+30 06	07.8	16.5	885
1992 YL		1992 12	23.70764	06 33	34.41	+30 06	12.4		885
1992 YL		1992 12	24.70035	06 32	35.18	+30 11	20.3	16.5	885
1992 YL		1992 12	24.71701	06 32	34.17	+30 11	25.4		885
1992 YL		1993 01	02.65694	06 23	37.04	+30 53	19.8	16.5	885
1992 YL		1993 01	02.66875	06 23	36.31	+30 53	23.2		885
1992 YM		1992 12	23.75347	06 59	27.39	+18 35	17.0	16.5	885
1992 YM		1993 01	02.68611	06 49	20.07	+20 06	10.1	16.5	885
1992 YM		1993 01	02.70243	06 49	19.02	+20 06	19.1		885
1992 YN		1992 12	25.70660	06 58	19.71	+19 27	35.5	16.5	885
1992 YN		1993 01	02.68611	06 49	27.76	+19 14	57.0	16.5	885
1992 YN		1993 01	02.70243	06 49	26.65	+19 14	55.5		885
1992 YY	*	1992 12	25.74375	07 21	17.47	+17 19	18.8	16	885
1992 YY		1992 12	25.75625	07 21	16.76	+17 19	18.4		885
1992 YY		1992 12	26.58021	07 20	27.54	+17 17	06.8	16	885
1992 YY		1992 12	26.59479	07 20	26.64	+17 17	05.6		885

1992 YY		1992 12	30.61806	07 16	17.29	+17 06	53.4	16	885
1992 YY		1992 12	30.63194	07 16	16.46	+17 06	52.6		885
1992 YY		1993 01	02.71007	07 12	59.61	+16 59	28.3	15.8	885
1992 YY		1993 01	02.72222	07 12	58.84	+16 59	26.9		885
1992 YT2	*	1992 12	26.58021	07 23	18.84	+16 19	32.3	16.5	885
1992 YT2		1992 12	26.59479	07 23	17.91	+16 19	42.1		885
1992 YT2		1992 12	30.62500	07 18	23.24	+17 14	41.5	16.5	885
1992 YT2		1993 01	02.71007	07 14	31.80	+17 57	02.7	16.5	885
1992 YT2		1993 01	02.72222	07 14	30.77	+17 57	10.9		885
1993 AA		1993 01	03.77517	08 19	05.49	+13 11	44.7	17	885
1993 AB	*	1993 01	02.76910	07 30	39.62	+30 18	30.3	16.5	885
1993 AB		1993 01	02.78194	07 30	38.78	+30 18	38.2		885
1993 AB		1993 01	03.74514	07 29	42.72	+30 26	57.5	16.5	885
1993 AB		1993 01	03.75764	07 29	42.04	+30 27	03.9		885

886 Susono

T. Furuta, 17-2 Mitsuike, Kagiya, Tokai 477, Japan

Observer M. Akiyama

Measurer T. Furuta

0.25-m f/4.2 Wright-Schmidt camera

GSC

1992 YO	*	1992 12	16.61354	06 11	14.49	+19 00	13.1	16.5	886
1992 YO		1992 12	16.62431	06 11	13.70	+19 00	13.1		886
1992 YE3		1992 12	30.52674	05 58	27.6	+19 31	47	16.5	886
1992 YE3		1992 12	30.53767	05 58	27.1	+19 31	53		886
2019 P-L		1992 12	16.61354	06 16	01.73	+18 50	08.0	16.5	886
2019 P-L		1992 12	16.62431	06 16	01.03	+18 50	09.3		886

894 Otomo

S. Otomo, Kiyosato 3545-3902, Takane-cho, Kitakoma-gun, Yamanashi-ken,

407-03, Japan

0.25-m f/3.4 reflector

PPM

1976 YP1		1992 10	06.77153	02 21	05.86	+14 51	58.0	17.0	894
1976 YP1		1992 10	21.74064	02 10	15.03	+14 09	20.2	17.0	894
1976 YP1		1992 10	21.75382	02 10	14.38	+14 09	18.2		894
1981 WH		1992 10	31.66215	03 33	09.70	+09 28	39.4	16.2	894
1981 WH		1992 10	31.68854	03 33	08.65	+09 28	32.9		894
1982 VA1		1992 10	31.75729	03 34	27.26	+16 11	58.1	16.5	894
1982 VA1		1992 10	31.77118	03 34	26.25	+16 11	56.6		894
1987 QF7		1992 11	18.73125	04 16	16.37	+19 08	39.0	16.5	894
1987 QF7		1992 11	18.74375	04 16	15.69	+19 08	35.3		894
1987 QF7		1992 11	21.69873	04 13	26.90	+18 50	39.7		894
1987 QF7		1992 11	21.71250	04 13	25.92	+18 50	33.4		894
1988 SP		1992 11	18.73125	04 12	01.78	+19 55	38.9	16.5	894
1988 SP		1992 11	18.74375	04 12	01.02	+19 55	38.2		894
1988 SP		1992 11	21.69873	04 09	08.08	+19 52	24.1		894
1988 SP		1992 11	21.71250	04 09	07.20	+19 52	24.0		894
1991 PB13		1992 12	04.72272	04 45	39.07	+20 35	12.7	16.3	894
1991 PB13		1992 12	04.73507	04 45	38.51	+20 35	12.9		894
1991 PB13		1992 12	14.51701	04 37	13.19	+20 27	48.1	16.8	894
1991 PB13		1992 12	15.48403	04 36	25.84	+20 27	07.2	17.0	894
1991 PB13		1992 12	15.49653	04 36	25.26	+20 27	07.9		894
1991 PB13		1992 12	16.47813	04 35	37.76	+20 26	27.5	16.7	894
1991 PB13		1992 12	16.48993	04 35	37.14	+20 26	27.1		894
1991 RQ21		1992 12	29.62535	06 27	01.18	+27 14	36.1	17.0	894
1991 RQ21		1992 12	29.63854	06 27	00.31	+27 14	37.8		894
1991 RQ21		1992 12	30.62813	06 25	58.66	+27 16	14.6		894
1991 RQ21		1992 12	30.64132	06 25	57.80	+27 16	16.7		894

1991 RA30	1992 12	22.68299	07 03	33.34	+20	36	56.4	16.5	894
1991 RA30	1992 12	22.69688	07 03	32.55	+20	36	59.8		894
1991 RA30	1992 12	26.71123	06 59	20.65	+20	56	08.2		894
1991 RA30	1992 12	26.72500	06 59	19.81	+20	56	12.7		894
1992 UR	1992 11	21.46673	01 26	55.40	+09	35	34.8	17.0	894
1992 UR	1992 11	21.47917	01 26	54.99	+09	35	41.7		894
1992 UR	1992 11	22.50810	01 26	22.10	+09	43	02.4		894
1992 UR	1992 11	22.52188	01 26	21.82	+09	43	06.1		894
1992 UJ	1992 11	18.50423	01 44	09.47	+15	49	39.6	17.0	894
1992 UJ	1992 11	18.51597	01 44	08.91	+15	49	39.0		894
1992 UV	1992 11	18.50423	01 52	37.31	+14	21	19.0	16.7	894
1992 UV	1992 11	18.51597	01 52	36.78	+14	21	14.8		894
1992 UV	1992 11	18.55660	01 52	35.54	+14	20	57.2		894
1992 UV	1992 11	21.49236	01 51	09.74	+14	02	26.2	17.0	894
1992 UV	1992 11	21.50556	01 51	09.27	+14	02	19.3		894
1992 UW	1992 11	18.50423	01 52	30.47	+15	26	33.6	16.6	894
1992 UW	1992 11	18.51597	01 52	30.04	+15	26	31.6		894
1992 UW	1992 11	18.55660	01 52	28.79	+15	26	27.1		894
1992 UW	1992 11	21.49236	01 51	08.17	+15	20	48.8	17.0	894
1992 UW	1992 11	21.50556	01 51	07.90	+15	20	45.7		894
1992 UW	1992 11	23.52604	01 50	21.99	+15	17	29.8	16.8	894
1992 UW	1992 11	23.53924	01 50	21.75	+15	17	28.9		894
1992 UW	1992 11	24.54838	01 50	01.97	+15	16	00.7	17.0	894
1992 UW	1992 11	24.56424	01 50	01.63	+15	16	00.0		894
1992 UW	1992 11	26.51736	01 49	29.73	+15	13	34.1	17.0	894
1992 UW	1992 11	26.54028	01 49	29.32	+15	13	34.2		894
1992 UD3	1992 11	18.54375	02 19	39.62	+14	58	32.2	16.7	894
1992 UD3	1992 11	18.57049	02 19	38.67	+14	58	12.4		894
1992 UD3	1992 11	21.51910	02 17	52.06	+14	29	44.5	16.5	894
1992 UD3	1992 11	21.53368	02 17	51.52	+14	29	37.7		894
1992 UD3	1992 11	24.57743	02 16	16.22	+14	01	49.6	16.7	894
1992 UD3	1992 11	24.59132	02 16	15.76	+14	01	41.0		894
1992 UD3	1992 11	29.55492	02 14	16.69	+13	20	27.9	16.8	894
1992 UD3	1992 11	29.57014	02 14	16.23	+13	20	19.6		894
1992 UR3	1992 11	18.54375	02 20	02.48	+15	13	18.6	16.8	894
1992 UR3	1992 11	18.57049	02 20	01.54	+15	13	05.6		894
1992 UR3	1992 11	21.51910	02 18	17.05	+14	51	50.0	16.8	894
1992 UR3	1992 11	21.53368	02 18	16.33	+14	51	44.7		894
1992 UR3	1992 11	24.57743	02 16	44.73	+14	31	25.9	17.0	894
1992 UR3	1992 11	24.59132	02 16	44.40	+14	31	19.8		894
1992 UR3	1992 11	29.55492	02 14	54.09	+14	02	15.9		894
1992 UR3	1992 11	29.57014	02 14	53.63	+14	02	12.5		894
1992 WT1	1992 11	27.76875	04 17	17.95	+16	53	28.0		894
1992 WT1	1992 12	04.66875	04 10	23.73	+17	09	19.7	16.3	894
1992 WT1	1992 12	04.68229	04 10	22.82	+17	09	21.3		894
1992 WT1	1992 12	14.45486	04 01	50.04	+17	35	04.1	16.0	894
1992 WT1	1992 12	14.46701	04 01	49.42	+17	35	06.4		894
1992 WV2	1992 11	27.76875	04 20	37.99	+17	49	50.1		894
1992 WV2	1992 12	04.66875	04 14	01.57	+18	01	48.7	16.0	894
1992 WV2	1992 12	04.68229	04 14	00.68	+18	01	49.4		894
1992 WV2	1992 12	14.45486	04 05	23.12	+18	20	30.9	16.0	894
1992 WV2	1992 12	14.46701	04 05	22.52	+18	20	32.4		894
1992 WC3	1992 12	04.66875	04 14	01.85	+18	50	27.9	16.5	894
1992 WC3	1992 12	04.68229	04 14	00.88	+18	50	27.9		894
1992 WC3	1992 12	14.45486	04 03	55.77	+19	02	54.8	16.8	894
1992 WC3	1992 12	14.46701	04 03	54.99	+19	02	56.5		894
1992 WR3	1992 11	29.64063	04 38	33.59	+12	33	14.0	16.5	894
1992 WR3	1992 11	29.65451	04 38	32.70	+12	33	16.6		894
1992 WR3	1992 12	04.69549	04 33	14.17	+12	51	18.9	16.5	894

1992 WR3		1992 12 04.70868	04 33 13.39	+12 51 22.7		894
1992 WR3		1992 12 14.48126	04 23 14.10	+13 32 54.5	16.0	894
1992 WR3		1992 12 14.49375	04 23 13.35	+13 32 58.2		894
1992 WO4		1992 12 04.72272	04 46 19.19	+21 22 14.3	16.6	894
1992 WO4		1992 12 04.73507	04 46 18.34	+21 22 15.1		894
1992 WO4		1992 12 14.51701	04 36 21.81	+21 31 33.4	16.8	894
1992 WO4		1992 12 16.47813	04 34 29.56	+21 33 16.9	17.1	894
1992 WO4		1992 12 16.48993	04 34 28.88	+21 33 18.2		894
1992 WV5	*	1992 11 29.61285	04 47 38.92	+20 33 03.9	16.7	894
1992 WV5		1992 11 29.62674	04 47 38.07	+20 33 01.6		894
1992 WV5		1992 12 04.72272	04 42 54.11	+20 18 29.4	17.0	894
1992 WV5		1992 12 04.73507	04 42 53.40	+20 18 28.6		894
1992 XB		1992 12 04.77292	05 25 54.99	+23 15 00.9	16.5	894
1992 XB		1992 12 04.78616	05 25 54.18	+23 14 55.9		894
1992 XE	*	1992 12 14.54740	05 45 27.69	+20 14 14.6	16.2	894
1992 XE		1992 12 14.55868	05 45 26.98	+20 14 16.0		894
1992 XE		1992 12 15.53819	05 44 19.97	+20 17 58.4		894
1992 XE		1992 12 15.55081	05 44 19.11	+20 18 01.7		894
1992 XE		1992 12 19.73160	05 39 29.59	+20 33 59.2	16.5	894
1992 XE		1992 12 19.74279	05 39 28.85	+20 34 01.5		894
1992 XE		1992 12 30.60104	05 27 32.56	+21 16 25.2	16.3	894
1992 XK	*	1992 12 15.56354	05 36 11.21	+24 05 17.7	16.5	894
1992 XK		1992 12 15.57472	05 36 10.33	+24 05 16.0		894
1992 XK		1992 12 16.55836	05 35 05.96	+24 03 44.7		894
1992 XK		1992 12 16.57083	05 35 05.11	+24 03 44.3		894
1992 XK		1992 12 20.63438	05 30 43.12	+23 57 12.3	16.8	894
1992 XK		1992 12 20.64757	05 30 42.21	+23 57 09.7		894
1992 XK		1992 12 22.54722	05 28 43.99	+23 53 58.0		894
1992 XK		1992 12 22.55976	05 28 43.17	+23 53 56.7		894
1992 XL	*	1992 12 15.56354	05 40 09.06	+23 46 23.8	17.0	894
1992 XL		1992 12 15.57472	05 40 08.30	+23 46 25.1		894
1992 XL		1992 12 16.55836	05 39 09.91	+23 49 30.7		894
1992 XL		1992 12 16.57083	05 39 09.23	+23 49 31.8		894
1992 XL		1992 12 20.63438	05 35 08.51	+24 01 50.7	17.2	894
1992 XL		1992 12 20.64757	05 35 07.74	+24 01 53.0		894
1992 XL		1992 12 22.54722	05 33 16.85	+24 07 28.1		894
1992 XL		1992 12 22.55976	05 33 16.04	+24 07 27.3		894
1992 XM		1992 11 22.73410	04 52 39.68	+23 15 29.3	17.2	894
1992 XM		1992 11 22.74934	04 52 38.78	+23 15 25.8		894
1992 XM	*	1992 12 14.51701	04 33 08.58	+21 27 29.0	17.0	894
1992 XM		1992 12 15.48403	04 32 20.57	+21 22 44.4	17.0	894
1992 XM		1992 12 15.49653	04 32 20.00	+21 22 42.1		894
1992 XM		1992 12 16.47813	04 31 32.15	+21 17 51.6	17.0	894
1992 XM		1992 12 16.48993	04 31 31.61	+21 17 47.8		894
1992 YO		1992 12 22.61458	06 05 02.12	+18 48 52.6	16.5	894
1992 YO		1992 12 25.61713	06 01 53.61	+18 43 48.6		894
1992 YO		1992 12 25.62951	06 01 52.57	+18 43 44.9		894
1992 YY		1992 12 26.73889	07 20 17.67	+17 16 42.0	17.0	894
1992 YY		1992 12 26.75347	07 20 16.77	+17 16 39.9		894
1992 YS2	*	1992 12 20.63438	05 34 53.78	+23 59 10.9	17.0	894
1992 YS2		1992 12 20.64757	05 34 52.95	+23 59 10.7		894
1992 YS2		1992 12 22.54722	05 33 04.43	+24 00 03.8		894
1992 YS2		1992 12 22.55976	05 33 03.65	+24 00 03.8		894
(53)		1992 11 29.64063	04 39 08.15	+12 49 09.3		894
(53)		1992 11 29.65451	04 39 07.31	+12 49 08.6		894
(53)		1992 12 04.69549	04 34 21.14	+12 43 31.4		894
(53)		1992 12 04.70868	04 34 20.34	+12 43 30.9		894
(1096)		1992 12 29.62535	06 24 44.15	+27 04 13.3		894
(1096)		1992 12 29.63854	06 24 43.23	+27 04 16.4		894

(1096)	1992 12	30.64132	06 23	37.45	+27 07	31.1		894
(1198)	1992 11	22.73410	04 51	50.07	+23 44	20.2	16.8	894
(1198)	1992 11	22.74934	04 51	49.00	+23 44	16.5		894
(1559)	1992 11	18.50423	01 44	27.89	+15 47	59.5	16.8	894
(1559)	1992 11	18.51597	01 44	27.45	+15 47	55.0		894
(1559)	1992 11	18.55660	01 44	25.51	+15 47	44.4		894
(2300)	1992 12	29.62535	06 26	11.87	+26 34	59.1		894
(2300)	1992 12	29.63854	06 26	11.06	+26 34	59.6		894
(2300)	1992 12	30.62813	06 25	11.33	+26 35	49.6		894
(2300)	1992 12	30.64132	06 25	10.54	+26 35	50.0		894
(2563)	1992 12	30.60104	05 27	40.64	+21 52	47.2		894
(2590)	1992 11	27.76875	04 20	59.38	+17 05	06.3		894
(2893)	1992 12	22.68299	07 02	01.45	+20 35	45.7	17.0	894
(2893)	1992 12	22.69688	07 02	01.06	+20 35	48.5		894
(3803)	1992 12	04.72272	04 47	13.65	+21 35	34.9		894
(3803)	1992 12	04.73507	04 47	12.86	+21 35	31.1		894
(3803)	1992 12	14.51701	04 38	37.49	+20 44	22.0		894
(3803)	1992 12	16.47813	04 36	59.28	+20 34	14.9		894
(3803)	1992 12	16.48993	04 36	58.68	+20 34	11.6		894
(4179)	1992 12	08.79549	12 44	57.53	-20 08	45.7	12.0	894
(4179)	1992 12	08.79722	12 44	51.39	-20 08	03.4		894
(5402)	1992 11	18.73125	04 13	34.69	+19 01	39.8	16.0	894
(5402)	1992 11	18.74375	04 13	33.92	+19 01	27.3		894

896 Yatsugatake South Base Observatory

O. Muramatsu, 119-1, 2-8 Sakurazutsumi, Musashino, Tokyo 180, Japan

Observers Y. Kushida

Measurer O. Muramatsu

0.25-m f/3.4 reflector

PPM

1988 VR	1992 12	15.54028	06 59	11.88	+30 45	52.0		896
1988 VR	1992 12	15.56476	06 59	10.3	+30 46	01		W 896
1988 VR	1992 12	20.68958	06 53	32.2	+31 17	11		W 896
1988 VR	1992 12	20.72399	06 53	29.7	+31 17	22		W 896
1992 UZ1	1992 11	29.63507	01 48	48.4	+21 14	23		W 896
1992 UZ1	1992 11	29.66007	01 48	47.99	+21 14	13.1		896
1992 UL8	1992 11	29.67188	02 50	17.0	+26 04	49		W 896
1992 WU3	1992 12	04.72500	04 32	57.11	+25 29	02.0		896
1992 WU3	1992 12	04.75208	04 32	55.38	+25 28	56.4		896
1992 WV3	1992 12	03.75428	04 38	27.2	+31 00	10	16.5	W 896
1992 WV3	1992 12	03.77708	04 38	25.37	+31 00	08.3		W 896
1992 WV3	1992 12	15.49722	04 24	57.8	+30 44	58		W 896
1992 WV3	1992 12	15.52569	04 24	55.78	+30 44	53.2		896
1992 XD	1992 11	26.64184	04 43	59.1	+26 12	02	16.0	W 896
1992 XD	1992 11	26.67674	04 43	57.05	+26 11	53.6		896
1992 XD	* 1992 12	04.72500	04 35	49.50	+25 38	29.7		896
1992 XD	1992 12	04.75208	04 35	47.72	+25 38	23.2		896
1992 XD	1992 12	15.48576	04 25	44.18	+24 48	47.7		896
1992 XD	1992 12	15.51424	04 25	42.84	+24 48	38.9		896
1992 XD	1992 12	29.58576	04 16	21.38	+23 45	56.1		896
1992 XD	1992 12	29.63090	04 16	20.00	+23 45	43.7		896
1992 YV	* 1992 12	20.68958	06 58	17.7	+29 53	58	17.0	W 896
1992 YV	1992 12	20.72399	06 58	15.6	+29 54	10		W 896
1992 YV	1992 12	22.66875	06 56	20.96	+30 04	15.6		896
1992 YV	1992 12	22.70174	06 56	18.70	+30 04	25.6		896
1992 YW3	* 1992 12	29.65729	08 02	12.5	+28 11	31	16.0	W 896
1992 YW3	1992 12	29.69201	08 02	10.98	+28 11	52.8		896
1992 YW3	1992 12	30.72396	08 01	25.5	+28 22	26		W 896
1992 YW3	1992 12	30.75642	08 01	24.00	+28 22	45.1		896

1992 YX3	*	1992 12 29.66788	07 55 59.4	+30 55 56	17.0	W	896
1992 YX3		1992 12 29.70243	07 55 57.41	+30 56 08.6			896
1992 YX3		1992 12 30.76667	07 55 03.7	+31 02 19		W	896
(4961)		1992 12 20.68958	07 00 13.82	+29 47 44.7	17.0		896
(4961)		1992 12 20.72399	07 00 11.6	+29 47 44		W	896

900 Kiryuu Observatory, Ohtsu

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

0.26-m f/2.9 reflector + CCD

GSC

1992 UY4		1992 11 29.55808	03 31 35.99	+27 17 11.3			900
1992 UY4		1992 11 29.68180	03 31 32.39	+27 15 49.3			900
(41)		1992 11 29.62205	04 50 03.58	+01 18 01.9			900
(41)		1992 11 29.64389	04 50 02.48	+01 17 57.6			900
(4179)		1992 12 08.85363	12 41 33.92	-19 45 31.9			900
(4179)		1992 12 08.85463	12 41 30.43	-19 45 06.0			900
(4179)		1992 12 08.85508	12 41 28.86	-19 44 57.7			900
(4179)		1992 12 11.76451	10 42 08.99	-02 25 55.7			900
(4179)		1992 12 11.76708	10 42 04.59	-02 25 15.6			900

901 Tajimi

T. Furuta, 17-2 Mitsuike, Kagiya, Tokai 477, Japan

Observer T. Mizuno

Measurer T. Furuta

0.15-m f/5.0 reflector

AGK3

1992 YU	*	1992 12 18.66424	06 27 08.6	+23 13 39	16.0		901
1992 YU		1992 12 18.68368	06 27 07.5	+23 13 39			901
1992 YU		1992 12 25.71285	06 19 02.0	+23 00 43			901
1992 YU		1992 12 25.73090	06 19 00.9	+23 00 39			901
1992 YU		1992 12 29.55347	06 14 36.33	+22 53 08.0			901
1992 YU		1992 12 29.56806	06 14 35.16	+22 53 05.2			901

The following discoveries were observed on one night only:

1991 NA8	*	1991 07 06.93892	18 40 48.57	-09 39 07.8	16.8		046
1991 NA8		1991 07 06.95281	18 40 48.17	-09 39 03.2			046
1991 NB8	*	1991 07 10.91900	17 50 49.06	+05 49 40.8	16.9		046
1991 NB8		1991 07 10.93428	17 50 48.41	+05 49 49.2			046
1991 NC8	*	1991 07 12.42708	21 51 10.69	-00 11 23.3	18.0		675
1991 NC8		1991 07 12.45434	21 51 10.07	-00 11 19.5			675
1991 ND8	*	1991 07 12.42708	22 06 44.47	-01 27 48.9	17.8		675
1991 ND8		1991 07 12.45434	22 06 43.63	-01 27 42.4			675
1991 NE8	*	1991 07 12.42708	22 16 10.32	+00 03 17.7	17.5		675
1991 NE8		1991 07 12.45434	22 16 09.78	+00 03 22.3			675
1991 NF8	*	1991 07 13.42257	20 59 16.61	-32 35 40.4	18.5		675
1991 NF8		1991 07 13.45347	20 59 14.97	-32 35 43.5	18.0		675
1991 NG8	*	1991 07 14.38177	20 57 24.96	-23 46 45.8	16.5		675
1991 NG8		1991 07 14.42170	20 57 23.22	-23 46 52.2			675
1991 NH8	*	1991 07 14.38177	21 02 22.69	-24 22 31.2	17.5		675
1991 NH8		1991 07 14.42170	21 02 20.65	-24 22 33.2	17.8		675
1991 NJ8	*	1991 07 14.38177	21 04 28.48	-22 52 39.4	17.8		675
1991 NJ8		1991 07 14.42170	21 04 26.93	-22 52 51.6			675
1991 NK8	*	1991 07 14.38177	21 07 54.47	-21 14 40.1	17.8		675
1991 NK8		1991 07 14.42170	21 07 52.24	-21 14 41.1			675
1991 NL8	*	1991 07 14.38177	21 08 56.07	-22 54 48.9	17.5		675
1991 NL8		1991 07 14.42170	21 08 54.29	-22 54 57.7			675
1991 NM8	*	1991 07 14.38177	21 10 52.80	-21 38 46.3	17.8		675
1991 NM8		1991 07 14.42170	21 10 50.97	-21 38 57.8			675

1991 NN8	*	1991 07 04.01130	13 38 02.79	-03 13 11.2					p	808
1991 NN8		1991 07 04.04039	13 38 02.22	-03 12 48.5						808
1991 NO8	*	1991 07 14.07334	17 28 48.17	-37 25 49.1						808
1991 NO8		1991 07 14.11766	17 28 45.15	-37 26 18.0						808
1991 NP8	*	1991 07 08.09618	20 01 33.67	-10 39 48.1						809
1991 NP8		1991 07 08.10660	20 01 33.12	-10 39 50.4						809
1991 NQ8	*	1991 07 10.25174	20 07 00.75	-23 45 56.8	16.0					809
1991 NQ8		1991 07 10.26215	20 07 00.27	-23 45 56.0						809
1991 NQ8		1991 07 10.27257	20 06 59.79	-23 45 55.1						809
1991 NR8	*	1991 07 11.25729	20 05 36.72	-11 01 49.4	17.9					809
1991 NR8		1991 07 11.26772	20 05 36.13	-11 01 50.0						809
1991 NR8		1991 07 11.27812	20 05 35.54	-11 01 51.1						809
1991 NS8	*	1991 07 11.32292	20 09 48.11	-17 27 22.4	17.6					809
1991 NS8		1991 07 11.33542	20 09 47.53	-17 27 24.0						809
1991 NS8		1991 07 11.34792	20 09 46.94	-17 27 25.7						809
1991 NT8	*	1991 07 11.32292	20 12 59.93	-16 10 34.6	17.3					809
1991 NT8		1991 07 11.33542	20 12 59.20	-16 10 30.6						809
1991 NT8		1991 07 11.34792	20 12 58.46	-16 10 27.0						809
1991 NU8	*	1991 07 11.36389	20 09 34.18	-18 54 48.7	17.9					809
1991 NU8		1991 07 11.37639	20 09 33.51	-18 54 53.4						809
1991 NU8		1991 07 11.38888	20 09 32.86	-18 54 58.3						809
1991 NV8	*	1991 07 11.40451	21 30 10.83	-18 11 49.3	17.3					809
1991 NV8		1991 07 11.41771	21 30 10.51	-18 11 53.1						809
1991 NV8		1991 07 11.43091	21 30 10.24	-18 11 57.3						809
1991 NW8	*	1991 07 12.12743	19 55 11.75	-19 36 39.8	17.8					809
1991 NW8		1991 07 12.13785	19 55 11.38	-19 36 40.8						809
1991 NW8		1991 07 12.14827	19 55 11.02	-19 36 42.4						809
1991 NX8	*	1991 07 12.12743	19 57 20.15	-18 39 35.8	17.6					809
1991 NX8		1991 07 12.13785	19 57 19.48	-18 39 34.3						809
1991 NX8		1991 07 12.14827	19 57 18.81	-18 39 32.7						809
1991 NX8		1991 07 12.16077	19 57 18.05	-18 39 30.6						809
1991 NX8		1991 07 12.17117	19 57 17.37	-18 39 29.0						809
1991 NX8		1991 07 12.18159	19 57 16.73	-18 39 27.4						809
1991 NY8	*	1991 07 12.16077	19 50 57.82	-17 34 27.2	17.7					809
1991 NY8		1991 07 12.17117	19 50 57.16	-17 34 25.9						809
1991 NY8		1991 07 12.18159	19 50 56.49	-17 34 24.8						809
1991 NZ8	*	1991 07 12.16077	19 51 03.17	-17 27 30.1	17.7					809
1991 NZ8		1991 07 12.17117	19 51 02.65	-17 27 29.2						809
1991 NZ8		1991 07 12.18159	19 51 02.13	-17 27 28.4						809
1991 NA9	*	1991 07 12.16077	19 51 10.74	-17 32 02.6	17.8					809
1991 NA9		1991 07 12.17117	19 51 10.26	-17 32 01.4						809
1991 NA9		1991 07 12.18159	19 51 09.80	-17 32 00.0						809
1991 NB9	*	1991 07 12.16077	19 54 18.39	-17 30 17.9	17.8					809
1991 NB9		1991 07 12.17117	19 54 17.81	-17 30 19.5						809
1991 NB9		1991 07 12.18159	19 54 17.25	-17 30 20.9						809
1991 NC9	*	1991 07 12.16077	19 57 31.21	-18 02 30.0	17.8					809
1991 NC9		1991 07 12.17117	19 57 30.65	-18 02 30.3						809
1991 NC9		1991 07 12.18159	19 57 30.12	-18 02 30.5						809
1991 ND9	*	1991 07 12.23299	20 04 20.30	-20 01 30.2	17.6					809
1991 ND9		1991 07 12.24341	20 04 19.70	-20 01 32.3						809
1991 ND9		1991 07 12.25381	20 04 19.10	-20 01 34.0						809
1991 NE9	*	1991 07 12.23299	20 04 55.10	-20 10 26.4	17.8					809
1991 NE9		1991 07 12.24341	20 04 54.51	-20 10 28.1						809
1991 NE9		1991 07 12.25381	20 04 53.92	-20 10 30.2						809
1991 NF9	*	1991 07 13.03334	19 41 01.43	-23 47 42.8	17.1					809
1991 NF9		1991 07 13.04375	19 41 00.78	-23 47 44.8						809
1991 NF9		1991 07 13.05452	19 41 00.12	-23 47 46.9						809
1991 NG9	*	1991 07 13.03334	19 41 28.05	-24 11 04.0	16.9					809
1991 NG9		1991 07 13.04375	19 41 27.47	-24 11 03.3						809

1991 NG9		1991 07 13.05452	19 41 26.90	-24 11 03.0			809
1991 NH9	*	1991 07 15.15938	19 59 23.85	-18 08 16.0	17.7		809
1991 NH9		1991 07 15.16978	19 59 23.19	-18 08 15.4			809
1991 NH9		1991 07 15.18021	19 59 22.56	-18 08 14.9			809
1991 NJ9	*	1991 07 15.15938	20 03 37.06	-18 14 54.6	17.4		809
1991 NJ9		1991 07 15.16978	20 03 36.40	-18 14 54.1			809
1991 NJ9		1991 07 15.18021	20 03 35.75	-18 14 53.8			809
1991 NK9	*	1991 07 15.23715	20 13 48.34	-21 29 26.3	17.3		809
1991 NK9		1991 07 15.24757	20 13 47.78	-21 29 27.6			809
1991 NK9		1991 07 15.25798	20 13 47.24	-21 29 29.2			809
1991 NL9	*	1991 07 15.37952	20 21 15.43	-23 37 56.7	17.2		809
1991 NL9		1991 07 15.38992	20 21 14.97	-23 37 57.5			809
1991 NL9		1991 07 15.40034	20 21 14.52	-23 37 58.3			809
1991 NM9	*	1991 07 08.55139	19 34 57.73	-16 57 49.6	16		885
1991 NM9		1991 07 08.56667	19 34 56.91	-16 57 54.1			885
1991 OR1	*	1991 07 16.96545	20 26 38.97	-04 37 19.1	16.7		046
1991 OR1		1991 07 16.97963	20 26 38.03	-04 37 18.1			046
1991 OS1	*	1991 07 16.96545	20 30 46.73	-06 37 00.0	16.8		046
1991 OS1		1991 07 16.97963	20 30 45.97	-06 37 00.0			046
1991 OT1	*	1991 07 16.29010	19 01 30.29	-27 50 24.5			675
1991 OT1		1991 07 16.32602	19 01 28.09	-27 50 34.6			675
1991 OU1	*	1991 07 16.29010	19 11 17.80	-26 17 59.6			675
1991 OU1		1991 07 16.32602	19 11 15.85	-26 18 13.0	18.0		675
1991 OV1	*	1991 07 16.35799	21 09 17.82	-27 13 55.7	17.2		675
1991 OV1		1991 07 16.39809	21 09 16.14	-27 14 09.5			675
1991 OW1	*	1991 07 17.32691	19 33 06.25	-32 10 25.6	16.5		675
1991 OW1		1991 07 17.36476	19 33 03.55	-32 10 20.4			675
1991 OX1	*	1991 07 17.36250	21 12 03.84	+16 48 05.8	17.5	a	675
1991 OX1		1991 07 17.41806	21 12 34.96	+16 41 01.6		a	675
1991 OY1	*	1991 07 18.44063	21 55 42.62	+02 05 30.5	18.5		675
1991 OY1		1991 07 18.47135	21 55 42.02	+02 05 31.8			675
1991 OZ1	*	1991 07 18.44063	22 00 31.65	+04 02 51.1	17.2		675
1991 OZ1		1991 07 18.47135	22 00 30.76	+04 02 58.3			675
1991 OA2	*	1991 07 18.44063	22 02 37.90	-02 49 07.3	17.5		675
1991 OA2		1991 07 18.47135	22 02 37.08	-02 48 52.3			675
1991 OB2	*	1991 07 18.11458	19 36 42.80	-18 37 51.4			809
1991 OB2		1991 07 18.12292	19 36 42.43	-18 37 53.8			809
1991 OB2		1991 07 18.13126	19 36 42.06	-18 37 56.2			809
1991 PC20	*	1991 08 07.98137	21 31 50.69	-08 21 33.4	16.7		046
1991 PC20		1991 08 07.99554	21 31 50.17	-08 21 32.3			046
1991 PD20	*	1991 08 11.92679	21 24 35.55	-09 11 55.3	16.8		046
1991 PD20		1991 08 11.94080	21 24 35.31	-09 11 47.7			046
1991 PE20	*	1991 08 13.89271	20 52 45.41	-07 48 28.6	16.7		046
1991 PE20		1991 08 13.90694	20 52 44.81	-07 48 26.7			046
1991 PF20	*	1991 08 13.89271	20 56 07.02	-08 31 19.8	16.7		046
1991 PF20		1991 08 13.90694	20 56 06.25	-08 31 20.4			046
1991 PG20	*	1991 08 13.92853	21 18 20.84	-06 32 22.0	16.8		046
1991 PG20		1991 08 13.94502	21 18 20.37	-06 32 21.4			046
1991 PH20	*	1991 08 12.86676	19 56 05.92	-15 20 39.9			071
1991 PH20		1991 08 12.90785	19 56 07.66	-15 20 48.9			071
1991 PJ20	*	1991 08 05.28484	21 08 57.83	-08 40 04.1	17.0		675
1991 PJ20		1991 08 05.32135	21 08 55.92	-08 40 15.1			675
1991 PK20	*	1991 08 06.33281	21 31 29.68	-20 16 27.7	17.8		675
1991 PK20		1991 08 06.37153	21 31 27.34	-20 16 39.6			675
1991 PL20	*	1991 08 06.33281	21 34 41.24	-19 21 08.9	17.0		675
1991 PL20		1991 08 06.37153	21 34 39.13	-19 21 21.0			675
1991 PM20	*	1991 08 06.33281	21 44 18.72	-18 41 26.0	18.5		675
1991 PM20		1991 08 06.37153	21 44 16.66	-18 41 43.0			675
1991 PN20	*	1991 08 06.33281	21 51 13.07	-18 43 38.8	18.2		675

1991 PN20		1991 08 06.37153	21 51 10.64	-18 43 52.4		675
1991 PO20	*	1991 08 06.39410	22 12 44.69	+00 31 43.3		675
1991 PO20		1991 08 06.42743	22 12 43.32	+00 31 29.6		675
1991 PP20	*	1991 08 06.39410	22 22 47.75	+00 59 30.7		675
1991 PP20		1991 08 06.42743	22 22 46.49	+00 59 45.8		675
1991 PQ20	*	1991 08 06.39410	22 25 12.33	+01 07 41.4	18.2	675
1991 PQ20		1991 08 06.42743	22 25 11.04	+01 07 34.5		675
1991 PR20	*	1991 08 07.32240	21 06 03.76	-15 10 30.1	18.2	675
1991 PR20		1991 08 07.35069	21 06 02.25	-15 10 39.9		675
1991 PS20	*	1991 08 07.39306	23 12 47.81	-10 17 49.7	18.8	675
1991 PS20		1991 08 07.42257	23 12 46.42	-10 17 45.8		675
1991 PT20	*	1991 08 07.39306	23 29 40.05	-12 52 13.1	18.2	675
1991 PT20		1991 08 07.42257	23 29 39.41	-12 52 10.0		675
1991 PU20	*	1991 08 07.40035	22 52 32.43	+03 18 29.2		675
1991 PU20		1991 08 07.43166	22 52 31.05	+03 18 29.2		675
1991 PV20	*	1991 08 07.40035	23 05 43.16	+06 08 31.1	17.5	675
1991 PV20		1991 08 07.43166	23 05 42.31	+06 08 25.4		675
1991 PW20	*	1991 08 08.38038	22 31 42.59	-00 26 57.6	18.2	675
1991 PW20		1991 08 08.41649	22 31 41.29	-00 26 58.4		675
1991 PX20	*	1991 08 08.38038	22 37 57.47	-02 41 46.8	17.2	675
1991 PX20		1991 08 08.41649	22 37 55.78	-02 41 48.8	18.0	675
1991 PY20	*	1991 08 08.38038	22 39 53.95	-01 35 50.6	18.2	675
1991 PY20		1991 08 08.41649	22 39 52.32	-01 35 48.5		675
1991 PZ20	*	1991 08 08.38038	22 41 20.68	-03 33 11.1	17.5	675
1991 PZ20		1991 08 08.41649	22 41 19.15	-03 33 11.0		675
1991 PA21	*	1991 08 08.38038	22 54 07.01	+01 47 03.2	17.5	675
1991 PA21		1991 08 08.41649	22 54 05.40	+01 47 10.3		675
1991 PB21	*	1991 08 08.42483	23 24 22.47	+00 25 31.8	18.2	675
1991 PB21		1991 08 08.43003	23 24 22.16	+00 25 30.6	18.0	675
1991 PB21		1991 08 08.45660	23 24 21.65	+00 25 26.7		675
1991 PB21		1991 08 08.46441	23 24 21.43	+00 25 26.5		675
1991 PC21	*	1991 08 08.42483	23 34 47.61	-04 49 04.4	17.0	675
1991 PC21		1991 08 08.45660	23 34 46.63	-04 49 14.3		675
1991 PD21	*	1991 08 09.27656	20 49 26.79	-05 45 50.6	17.8	675
1991 PD21		1991 08 09.30903	20 49 25.02	-05 46 01.2		675
1991 PE21	*	1991 08 09.27656	21 19 09.24	-02 07 35.8	17.0	675
1991 PE21		1991 08 09.30903	21 19 07.63	-02 07 39.5		675
1991 PF21	*	1991 08 09.27656	21 20 46.98	-03 52 44.5	16.8	675
1991 PF21		1991 08 09.30903	21 20 44.95	-03 52 44.6		675
1991 PG21	*	1991 08 09.27656	21 21 19.89	-04 03 29.0	17.8	675
1991 PG21		1991 08 09.30903	21 21 17.94	-04 03 33.4		675
1991 PH21	*	1991 08 09.33872	22 15 24.40	-07 52 31.6	18.8	675
1991 PH21		1991 08 09.37257	22 15 22.98	-07 52 42.7		675
1991 PJ21	*	1991 08 09.33872	22 21 57.90	-04 17 40.8		675
1991 PJ21		1991 08 09.37257	22 21 56.29	-04 17 44.3		675
1991 PK21	*	1991 08 09.33872	22 31 21.71	-02 49 57.8		675
1991 PK21		1991 08 09.37257	22 31 20.22	-02 50 07.9		675
1991 PL21	*	1991 08 10.29236	21 32 58.16	-19 43 23.6	17.0	675
1991 PL21		1991 08 10.32517	21 32 55.98	-19 43 22.3		675
1991 PM21	*	1991 08 10.29236	21 33 43.27	-18 30 59.5	17.2	675
1991 PM21		1991 08 10.32517	21 33 41.90	-18 31 21.2		675
1991 PN21	*	1991 08 10.34201	21 42 30.08	-08 28 11.4	17.0	675
1991 PN21		1991 08 10.37049	21 42 29.04	-08 28 08.0		675
1991 PO21	*	1991 08 10.34201	21 47 19.16	-04 50 17.5	17.8	675
1991 PO21		1991 08 10.37049	21 47 17.83	-04 50 28.6		675
1991 PP21	*	1991 08 10.34201	21 49 18.72	-06 47 11.6	16.5	675
1991 PP21		1991 08 10.37049	21 49 16.92	-06 47 05.9		675
1991 PQ21	*	1991 08 10.34201	21 56 24.87	-03 51 48.9	16.8	675
1991 PQ21		1991 08 10.37049	21 56 23.32	-03 51 43.4		675

1991 PR21	*	1991 08 10.34201	22 00 29.15	-06 50 21.4	16.8	675
1991 PR21		1991 08 10.37049	22 00 27.58	-06 50 25.4		675
1991 PS21	*	1991 08 10.34201	22 01 42.73	-05 16 19.3	18.0	675
1991 PS21		1991 08 10.37049	22 01 41.53	-05 16 21.2		675
1991 PT21	*	1991 08 10.34201	22 02 28.98	-05 54 38.9	17.0	675
1991 PT21		1991 08 10.37049	22 02 27.86	-05 54 57.5		675
1991 PU21	*	1991 08 10.34201	22 03 46.07	-02 56 21.2	18.0	675
1991 PU21		1991 08 10.37049	22 03 44.70	-02 56 31.3		675
1991 PV21	*	1991 08 10.34201	22 05 31.84	-04 55 24.3	17.8	675
1991 PV21		1991 08 10.37049	22 05 30.57	-04 55 33.7		675
1991 PW21	*	1991 08 10.35599	22 05 12.19	-09 03 06.9	17.5	675
1991 PW21		1991 08 10.39149	22 05 09.89	-09 03 10.6		675
1991 PX21	*	1991 08 10.35599	22 12 01.14	-09 24 54.9	17.8	675
1991 PX21		1991 08 10.39149	22 11 59.42	-09 24 52.5		675
1991 PY21	*	1991 08 10.35599	22 15 15.26	-10 32 13.9	17.5	675
1991 PY21		1991 08 10.39149	22 15 13.04	-10 32 12.4		675
1991 PZ21	*	1991 08 10.35599	22 23 00.69	-12 52 51.5	18.0	675
1991 PZ21		1991 08 10.39149	22 22 59.28	-12 52 59.0		675
1991 PA22	*	1991 08 10.35599	22 23 37.22	-13 46 56.9	17.8	675
1991 PA22		1991 08 10.39149	22 23 35.35	-13 47 03.1		675
1991 PB22	*	1991 08 10.07969	18 35 43.10	-28 35 48.1		g 808
1991 PC22		1991 08 02.11806	20 49 37.64	-20 53 26.3		809
1991 PC22	*	1991 08 02.13125	20 49 36.71	-20 53 27.6	19.0	809
1991 PC22		1991 08 02.14444	20 49 35.92	-20 53 30.3		809
1991 PD22		1991 08 02.11806	20 50 04.40	-19 12 43.3		809
1991 PD22	*	1991 08 02.13125	20 50 03.51	-19 12 45.4	18.4	809
1991 PD22		1991 08 02.14444	20 50 02.75	-19 12 46.0		809
1991 PE22		1991 08 02.11806	20 50 23.89	-19 17 07.0		809
1991 PE22	*	1991 08 02.13125	20 50 23.01	-19 17 06.4	18.5	809
1991 PE22		1991 08 02.14444	20 50 22.24	-19 17 07.4		809
1991 PF22		1991 08 02.11806	20 50 40.84	-19 49 44.2		809
1991 PF22	*	1991 08 02.13125	20 50 40.11	-19 49 53.4	18.5	809
1991 PF22		1991 08 02.14444	20 50 39.31	-19 50 07.8		809
1991 PG22	*	1991 08 02.13125	20 50 48.40	-17 57 51.1	18.6	809
1991 PH22		1991 08 02.11806	20 51 54.51	-21 34 46.0		809
1991 PH22	*	1991 08 02.13125	20 51 53.52	-21 34 46.5	18.6	809
1991 PH22		1991 08 02.14444	20 51 52.73	-21 34 51.3		809
1991 PJ22		1991 08 02.11806	20 51 56.18	-19 16 14.7		809
1991 PJ22	*	1991 08 02.13125	20 51 55.28	-19 16 15.4	19.4	809
1991 PJ22		1991 08 02.14444	20 51 54.53	-19 16 17.8		809
1991 PK22		1991 08 02.11806	20 51 56.64	-21 29 29.5		809
1991 PK22	*	1991 08 02.13125	20 51 55.85	-21 29 34.0	18.9	809
1991 PK22		1991 08 02.14444	20 51 55.09	-21 29 40.7		809
1991 PL22		1991 08 02.11806	20 52 02.71	-21 24 44.2		809
1991 PL22	*	1991 08 02.13125	20 52 01.84	-21 24 48.4	18.8	809
1991 PL22		1991 08 02.14444	20 52 00.93	-21 24 54.4		809
1991 PM22		1991 08 02.11806	20 52 26.17	-17 52 11.3		809
1991 PM22	*	1991 08 02.13125	20 52 25.34	-17 52 10.5	18.6	809
1991 PM22		1991 08 02.14444	20 52 24.47	-17 52 14.7		809
1991 PN22		1991 08 02.11806	20 52 56.36	-20 21 12.5		809
1991 PN22	*	1991 08 02.13125	20 52 55.36	-20 21 14.4	19.5	809
1991 PN22		1991 08 02.14444	20 52 54.67	-20 21 19.8		809
1991 PO22		1991 08 02.11806	20 53 05.40	-20 05 14.8		809
1991 PO22	*	1991 08 02.13125	20 53 04.63	-20 05 21.2	18.6	809
1991 PO22		1991 08 02.14444	20 53 04.04	-20 05 28.1		809
1991 PP22		1991 08 02.11806	20 53 20.09	-19 09 43.5		809
1991 PP22	*	1991 08 02.13125	20 53 19.25	-19 09 43.9	19.3	809
1991 PP22		1991 08 02.14444	20 53 18.60	-19 09 45.3		809
1991 PQ22		1991 08 02.11806	20 53 42.37	-19 03 00.2		809

1991 PQ22	*	1991 08 02.13125	20 53 41.15	-19 02 50.3	18.6	809
1991 PQ22		1991 08 02.14444	20 53 39.76	-19 02 42.1		809
1991 PR22		1991 08 02.11806	20 53 45.28	-21 31 24.6		809
1991 PR22	*	1991 08 02.13125	20 53 44.45	-21 31 23.9	18.7	809
1991 PR22		1991 08 02.14444	20 53 43.51	-21 31 26.9		809
1991 PS22		1991 08 02.11806	20 54 00.86	-18 25 44.4		809
1991 PS22	*	1991 08 02.13125	20 54 00.10	-18 25 43.2	19.3	809
1991 PS22		1991 08 02.14444	20 53 59.46	-18 25 44.9		809
1991 PT22	*	1991 08 02.13125	20 54 06.84	-22 27 37.2	18.7	809
1991 PU22		1991 08 02.11806	20 54 40.53	-22 06 55.7		809
1991 PU22	*	1991 08 02.13125	20 54 39.75	-22 07 07.2	18.8	809
1991 PU22		1991 08 02.14444	20 54 38.96	-22 07 23.1		809
1991 PV22		1991 08 02.11806	20 55 05.26	-21 04 11.7		809
1991 PV22	*	1991 08 02.13125	20 55 04.50	-21 04 16.1	19.2	809
1991 PV22		1991 08 02.14444	20 55 03.48	-21 04 24.1		809
1991 PW22		1991 08 02.11806	20 55 08.63	-19 52 58.7		809
1991 PW22	*	1991 08 02.13125	20 55 07.89	-19 53 01.2	19.3	809
1991 PW22		1991 08 02.14444	20 55 07.09	-19 53 07.8		809
1991 PX22		1991 08 02.11806	20 55 33.54	-19 01 46.8		809
1991 PX22	*	1991 08 02.13125	20 55 32.68	-19 01 46.0	19.0	809
1991 PX22		1991 08 02.14444	20 55 31.92	-19 01 46.2		809
1991 PY22		1991 08 02.11806	20 55 55.56	-21 04 45.9		809
1991 PY22	*	1991 08 02.13125	20 55 54.61	-21 04 43.6	18.8	809
1991 PY22		1991 08 02.14444	20 55 53.69	-21 04 44.9		809
1991 PZ22		1991 08 02.11806	20 55 57.19	-18 48 48.0		809
1991 PZ22	*	1991 08 02.13125	20 55 56.45	-18 48 51.1	19.2	809
1991 PZ22		1991 08 02.14444	20 55 55.79	-18 48 57.0		809
1991 PA23		1991 08 02.11806	20 56 10.33	-18 11 14.4		809
1991 PA23	*	1991 08 02.13125	20 56 09.50	-18 11 13.8	18.6	809
1991 PA23		1991 08 02.14444	20 56 08.76	-18 11 16.5		809
1991 PB23		1991 08 02.11806	20 56 20.39	-17 44 46.3		809
1991 PB23	*	1991 08 02.13125	20 56 19.76	-17 44 52.8	19.4	809
1991 PB23		1991 08 02.14444	20 56 19.04	-17 44 58.7		809
1991 PC23		1991 08 02.11806	20 56 46.57	-18 22 23.1		809
1991 PC23	*	1991 08 02.13125	20 56 45.69	-18 22 25.6	19.2	809
1991 PC23		1991 08 02.14444	20 56 44.88	-18 22 28.3		809
1991 PD23		1991 08 02.11806	20 57 27.78	-20 27 02.4		809
1991 PD23	*	1991 08 02.13125	20 57 27.11	-20 27 04.2	19.0	809
1991 PD23		1991 08 02.14444	20 57 26.49	-20 27 07.5		809
1991 PE23		1991 08 02.11806	20 57 32.06	-18 26 09.1		809
1991 PE23	*	1991 08 02.13125	20 57 31.41	-18 26 14.3	18.8	809
1991 PE23		1991 08 02.14444	20 57 30.77	-18 26 23.0		809
1991 PF23		1991 08 02.11806	20 57 35.29	-17 35 41.1		809
1991 PF23	*	1991 08 02.13125	20 57 34.49	-17 35 38.3	19.3	809
1991 PF23		1991 08 02.14444	20 57 33.79	-17 35 38.2		809
1991 PG23		1991 08 02.11806	20 57 52.96	-17 42 14.9		809
1991 PG23	*	1991 08 02.13125	20 57 52.06	-17 42 13.1	19.3	809
1991 PG23		1991 08 02.14444	20 57 51.12	-17 42 12.6		809
1991 PH23		1991 08 02.11806	20 57 57.03	-21 00 44.4		809
1991 PH23	*	1991 08 02.13125	20 57 56.21	-21 00 47.3	18.7	809
1991 PH23		1991 08 02.14444	20 57 55.30	-21 00 53.7		809
1991 PJ23		1991 08 02.11806	20 58 41.14	-19 02 01.3		809
1991 PJ23	*	1991 08 02.13125	20 58 40.39	-19 02 04.5	18.7	809
1991 PJ23		1991 08 02.14444	20 58 39.66	-19 02 11.1		809
1991 PK23		1991 08 02.11806	20 58 43.88	-18 40 27.0		809
1991 PK23	*	1991 08 02.13125	20 58 42.93	-18 40 24.0	18.6	809
1991 PK23		1991 08 02.14444	20 58 42.02	-18 40 22.6		809
1991 PL23		1991 08 02.11806	20 58 49.88	-20 44 17.1		809
1991 PL23	*	1991 08 02.13125	20 58 48.97	-20 44 18.4	18.9	809

1991 PL23		1991 08 02.14444	20 58 48.20	-20 44 22.2		809
1991 PM23		1991 08 02.11806	20 58 56.11	-17 17 40.4		809
1991 PM23	*	1991 08 02.13125	20 58 55.32	-17 17 42.0	18.5	809
1991 PM23		1991 08 02.14444	20 58 54.62	-17 17 44.6		809
1991 PN23		1991 08 02.11806	20 59 13.38	-19 00 13.7		809
1991 PN23	*	1991 08 02.13125	20 59 12.40	-19 00 13.9	18.6	809
1991 PN23		1991 08 02.14444	20 59 11.43	-19 00 15.0		809
1991 PO23		1991 08 02.11806	20 59 21.95	-19 55 52.6		809
1991 PO23	*	1991 08 02.13125	20 59 21.13	-19 55 54.3	19.0	809
1991 PO23		1991 08 02.14444	20 59 20.42	-19 55 59.7		809
1991 PP23		1991 08 02.11806	20 59 37.28	-18 03 19.2		809
1991 PP23	*	1991 08 02.13125	20 59 36.74	-18 03 28.6	19.0	809
1991 PP23		1991 08 02.14444	20 59 36.15	-18 03 39.0		809
1991 PQ23		1991 08 02.11806	20 59 53.94	-18 51 31.1		809
1991 PQ23	*	1991 08 02.13125	20 59 53.18	-18 51 32.8	19.2	809
1991 PQ23		1991 08 02.14444	20 59 52.41	-18 51 34.0		809
1991 PR23		1991 08 02.11806	21 00 10.68	-21 03 21.9		809
1991 PR23	*	1991 08 02.13125	21 00 09.94	-21 03 30.4	19.0	809
1991 PR23		1991 08 02.14444	21 00 09.22	-21 03 37.2		809
1991 PS23		1991 08 02.11806	21 00 20.49	-19 03 07.2		809
1991 PS23	*	1991 08 02.13125	21 00 19.67	-19 03 06.4	19.4	809
1991 PS23		1991 08 02.14444	21 00 18.92	-19 03 07.9		809
1991 PT23		1991 08 02.11806	21 00 24.03	-21 22 17.3		809
1991 PT23	*	1991 08 02.13125	21 00 23.42	-21 22 24.7	18.7	809
1991 PT23		1991 08 02.14444	21 00 22.86	-21 22 33.9		809
1991 PU23		1991 08 02.11806	21 00 36.12	-20 35 02.5		809
1991 PU23	*	1991 08 02.13125	21 00 35.29	-20 35 02.4	19.0	809
1991 PU23		1991 08 02.14444	21 00 34.45	-20 35 03.9		809
1991 PV23		1991 08 02.11806	21 00 42.98	-19 26 09.2		809
1991 PV23	*	1991 08 02.13125	21 00 42.14	-19 26 08.1	19.2	809
1991 PV23		1991 08 02.14444	21 00 41.24	-19 26 08.8		809
1991 PW23		1991 08 02.11806	21 00 49.45	-21 32 48.9		809
1991 PW23	*	1991 08 02.13125	21 00 48.74	-21 32 48.1	18.8	809
1991 PW23		1991 08 02.14444	21 00 47.85	-21 32 48.9		809
1991 PX23		1991 08 02.11806	21 00 55.04	-21 11 02.2		809
1991 PX23	*	1991 08 02.13125	21 00 54.42	-21 11 09.2	19.0	809
1991 PX23		1991 08 02.14444	21 00 53.61	-21 11 16.9		809
1991 PY23		1991 08 02.11806	21 01 08.20	-17 22 13.7		809
1991 PY23	*	1991 08 02.13125	21 01 07.44	-17 22 14.7	18.7	809
1991 PY23		1991 08 02.14444	21 01 06.52	-17 22 17.5		809
1991 PZ23		1991 08 02.11806	21 01 11.61	-17 16 47.2		809
1991 PZ23	*	1991 08 02.13125	21 01 10.78	-17 16 48.6	18.4	809
1991 PZ23		1991 08 02.14444	21 01 10.08	-17 16 52.2		809
1991 PA24	*	1991 08 02.13125	21 01 11.58	-22 29 29.2	20.0	809
1991 PB24		1991 08 02.11806	21 01 26.31	-19 00 18.1		809
1991 PB24	*	1991 08 02.13125	21 01 25.67	-19 00 20.0	19.0	809
1991 PB24		1991 08 02.14444	21 01 24.84	-19 00 25.5		809
1991 PC24		1991 08 02.11806	21 01 35.56	-18 56 54.5		809
1991 PC24	*	1991 08 02.13125	21 01 34.81	-18 57 00.4	20.0	809
1991 PC24		1991 08 02.14444	21 01 34.08	-18 57 06.8		809
1991 PD24	*	1991 08 02.13125	21 01 36.93	-22 12 16.8	18.6	809
1991 PE24		1991 08 02.11806	21 01 59.63	-21 41 42.9		809
1991 PE24	*	1991 08 02.13125	21 01 58.94	-21 41 43.9	18.7	809
1991 PE24		1991 08 02.14444	21 01 58.24	-21 41 47.1		809
1991 PF24		1991 08 02.11806	21 02 20.57	-21 39 57.4		809
1991 PF24	*	1991 08 02.13125	21 02 19.72	-21 40 01.0	18.5	809
1991 PF24		1991 08 02.14444	21 02 18.77	-21 40 07.1		809
1991 PG24		1991 08 02.11806	21 03 05.79	-21 23 16.9		809
1991 PG24	*	1991 08 02.13125	21 03 05.11	-21 23 18.3	19.0	809

1991 PG24		1991 08 02.14444	21 03 04.35	-21 23 24.2		809
1991 PH24		1991 08 02.11806	21 03 40.84	-21 54 39.4		809
1991 PH24	*	1991 08 02.13125	21 03 40.13	-21 54 39.5	19.1	809
1991 PH24		1991 08 02.14444	21 03 39.27	-21 54 43.5		809
1991 PJ24		1991 08 02.11806	21 03 41.95	-17 38 48.7		809
1991 PJ24	*	1991 08 02.13125	21 03 41.20	-17 38 47.4	18.4	809
1991 PJ24		1991 08 02.14444	21 03 40.39	-17 38 47.4		809
1991 PK24		1991 08 02.11806	21 03 42.18	-20 16 31.6		809
1991 PK24	*	1991 08 02.13125	21 03 41.41	-20 16 35.2	20.5	809
1991 PK24		1991 08 02.14444	21 03 40.75	-20 16 38.1		809
1991 PL24	*	1991 08 02.13125	21 05 05.86	-22 16 57.3	19.3	809
1991 PM24		1991 08 02.11806	21 05 25.52	-19 08 19.0		809
1991 PM24	*	1991 08 02.13125	21 05 24.70	-19 08 20.6	19.0	809
1991 PM24		1991 08 02.14444	21 05 23.85	-19 08 21.0		809
1991 PN24		1991 08 02.11806	21 05 33.23	-20 57 14.4		809
1991 PN24	*	1991 08 02.13125	21 05 32.38	-20 57 12.4	19.8	809
1991 PN24		1991 08 02.14444	21 05 31.25	-20 57 09.6		809
1991 PO24	*	1991 08 02.13125	21 05 37.33	-22 30 32.0	19.6	809
1991 PP24		1991 08 02.11806	21 05 40.11	-20 25 25.7		809
1991 PP24	*	1991 08 02.13125	21 05 39.43	-20 25 28.4	19.6	809
1991 PP24		1991 08 02.14444	21 05 38.74	-20 25 29.9		809
1991 PQ24		1991 08 02.11806	21 05 48.67	-19 23 25.5		809
1991 PQ24	*	1991 08 02.13125	21 05 47.85	-19 23 27.3	19.3	809
1991 PQ24		1991 08 02.14444	21 05 47.00	-19 23 29.3		809
1991 PR24		1991 08 02.11806	21 05 51.39	-20 08 50.7		809
1991 PR24	*	1991 08 02.13125	21 05 50.53	-20 08 54.1	19.6	809
1991 PR24		1991 08 02.14444	21 05 49.69	-20 08 57.1		809
1991 PS24		1991 08 02.11806	21 05 59.80	-18 57 17.5		809
1991 PS24	*	1991 08 02.13125	21 05 58.96	-18 57 15.2	19.3	809
1991 PS24		1991 08 02.14444	21 05 58.17	-18 57 13.5		809
1991 PT24		1991 08 02.11806	21 06 02.82	-21 08 31.4		809
1991 PT24	*	1991 08 02.13125	21 06 01.92	-21 08 30.1	18.7	809
1991 PT24		1991 08 02.14444	21 06 00.99	-21 08 29.9		809
1991 PU24		1991 08 02.11806	21 06 18.11	-17 41 40.4		809
1991 PU24	*	1991 08 02.13125	21 06 17.33	-17 41 38.4	18.5	809
1991 PU24		1991 08 02.14444	21 06 16.41	-17 41 36.7		809
1991 PV24		1991 08 02.11806	21 06 18.33	-18 33 05.4		809
1991 PV24	*	1991 08 02.13125	21 06 17.58	-18 33 09.4	19.1	809
1991 PV24		1991 08 02.14444	21 06 16.76	-18 33 15.8		809
1991 PW24		1991 08 02.11806	21 06 44.61	-22 01 56.8		809
1991 PW24	*	1991 08 02.13125	21 06 43.92	-22 02 03.3	19.2	809
1991 PW24		1991 08 02.14444	21 06 43.21	-22 02 08.9		809
1991 PX24		1991 08 02.11806	21 08 06.03	-20 26 55.9		809
1991 PX24	*	1991 08 02.13125	21 08 05.24	-20 26 59.2	19.2	809
1991 PX24		1991 08 02.14444	21 08 04.54	-20 27 03.0		809
1991 PY24		1991 08 02.11806	21 08 37.10	-21 06 40.8		809
1991 PY24	*	1991 08 02.13125	21 08 36.46	-21 06 48.2	18.7	809
1991 PY24		1991 08 02.14444	21 08 35.73	-21 06 53.1		809
1991 PZ24		1991 08 02.11806	21 09 37.32	-19 52 42.7		809
1991 PZ24	*	1991 08 02.13125	21 09 36.69	-19 52 53.3	18.5	809
1991 PZ24		1991 08 02.14444	21 09 36.14	-19 53 06.9		809
1991 PA25		1991 08 02.11806	21 09 51.08	-18 15 38.2		809
1991 PA25	*	1991 08 02.13125	21 09 50.57	-18 15 44.6	19.4	809
1991 PA25		1991 08 02.14444	21 09 49.82	-18 15 55.1		809
1991 PB25		1991 08 02.11806	21 10 51.04	-18 45 44.7		809
1991 PB25	*	1991 08 02.13125	21 10 50.25	-18 45 48.9	20.0	809
1991 PB25		1991 08 02.14444	21 10 49.37	-18 45 54.8		809
1991 PC25	*	1991 08 02.13472	21 26 42.84	-15 09 29.6	18.0	809
1991 PC25		1991 08 02.14514	21 26 42.34	-15 09 27.0		809

1991	PC25		1991	08	02.15556	21	26	41.68	-15	09	23.2		809
1991	PD25	*	1991	08	03.09167	21	10	15.69	-14	46	35.2	19.4	809
1991	PD25		1991	08	03.10486	21	10	15.01	-14	46	41.1		809
1991	PD25		1991	08	03.11806	21	10	14.16	-14	46	48.8		809
1991	PE25	*	1991	08	03.09167	21	11	35.89	-14	51	57.2	19.2	809
1991	PE25		1991	08	03.10486	21	11	35.29	-14	51	59.5		809
1991	PE25		1991	08	03.11806	21	11	34.60	-14	52	01.1		809
1991	PF25	*	1991	08	03.09167	21	12	14.48	-13	22	40.6	19.5	809
1991	PF25		1991	08	03.10486	21	12	13.81	-13	22	43.6		809
1991	PF25		1991	08	03.11806	21	12	13.07	-13	22	47.4		809
1991	PG25	*	1991	08	03.09167	21	18	16.49	-14	24	54.9	19.2	809
1991	PG25		1991	08	03.10486	21	18	15.77	-14	25	01.7		809
1991	PG25		1991	08	03.11806	21	18	15.04	-14	25	06.3		809
1991	PH25	*	1991	08	03.09167	21	18	38.33	-13	02	33.4	19.0	809
1991	PH25		1991	08	03.10486	21	18	37.47	-13	02	35.4		809
1991	PH25		1991	08	03.11806	21	18	36.73	-13	02	38.1		809
1991	PJ25	*	1991	08	03.09167	21	19	54.90	-16	53	11.6	18.7	809
1991	PJ25		1991	08	03.10486	21	19	54.29	-16	53	18.6		809
1991	PJ25		1991	08	03.11806	21	19	53.81	-16	53	25.0		809
1991	PK25	*	1991	08	03.09167	21	23	51.02	-13	08	43.5	19.4	809
1991	PK25		1991	08	03.10486	21	23	50.26	-13	08	46.6		809
1991	PK25		1991	08	03.11806	21	23	49.67	-13	08	47.0		809
1991	PL25	*	1991	08	03.09167	21	24	56.34	-13	03	22.7	18.8	809
1991	PL25		1991	08	03.10486	21	24	55.62	-13	03	25.6		809
1991	PL25		1991	08	03.11806	21	24	54.79	-13	03	27.7		809
1991	PM25	*	1991	08	03.09167	21	27	30.52	-13	17	36.2	18.7	809
1991	PM25		1991	08	03.10486	21	27	29.92	-13	17	36.9		809
1991	PM25		1991	08	03.11806	21	27	29.28	-13	17	37.9		809
1991	PN25	*	1991	08	03.09167	21	28	27.57	-16	12	08.4	18.8	809
1991	PN25		1991	08	03.10486	21	28	26.73	-16	12	13.0		809
1991	PN25		1991	08	03.11806	21	28	26.12	-16	12	19.0		809
1991	PO25	*	1991	08	04.09444	21	20	06.94	-12	51	23.5		809
1991	PP25	*	1991	08	04.09444	21	26	58.68	-15	48	48.1		809
1991	PQ25	*	1991	08	05.08056	20	06	55.85	-21	15	08.1	19.2	809
1991	PQ25		1991	08	05.09375	20	06	55.08	-21	15	08.6		809
1991	PQ25		1991	08	05.10694	20	06	54.23	-21	15	09.6		809
1991	PR25	*	1991	08	05.08056	20	08	00.57	-21	02	33.9	19.3	809
1991	PR25		1991	08	05.09375	20	07	59.85	-21	02	34.5		809
1991	PR25		1991	08	05.10694	20	07	59.20	-21	02	33.5		809
1991	PS25	*	1991	08	05.08056	20	08	21.71	-18	38	36.7	18.6	809
1991	PS25		1991	08	05.09375	20	08	21.07	-18	38	38.9		809
1991	PS25		1991	08	05.10694	20	08	20.41	-18	38	41.4		809
1991	PT25	*	1991	08	05.08056	20	09	35.51	-21	44	10.3	19.4	809
1991	PT25		1991	08	05.09375	20	09	34.77	-21	44	15.1		809
1991	PT25		1991	08	05.10694	20	09	34.00	-21	44	19.0		809
1991	PU25	*	1991	08	05.08056	20	10	09.02	-19	50	48.3	18.7	809
1991	PU25		1991	08	05.09375	20	10	08.20	-19	50	54.5		809
1991	PU25		1991	08	05.10694	20	10	07.51	-19	50	59.8		809
1991	PV25	*	1991	08	05.08056	20	10	37.68	-22	17	45.2	18.5	809
1991	PV25		1991	08	05.09375	20	10	36.93	-22	17	49.2		809
1991	PV25		1991	08	05.10694	20	10	36.26	-22	17	53.0		809
1991	PW25	*	1991	08	05.08056	20	10	44.79	-19	39	36.1	19.5	809
1991	PW25		1991	08	05.09375	20	10	44.14	-19	39	40.4		809
1991	PW25		1991	08	05.10694	20	10	43.52	-19	39	42.5		809
1991	PX25	*	1991	08	05.08056	20	10	45.91	-19	40	09.5	18.8	809
1991	PX25		1991	08	05.09375	20	10	45.24	-19	40	12.7		809
1991	PX25		1991	08	05.10694	20	10	44.64	-19	40	16.7		809
1991	PY25	*	1991	08	05.08056	20	10	47.72	-21	20	07.6	19.0	809
1991	PY25		1991	08	05.09375	20	10	46.93	-21	20	10.7		809

1991	PY25		1991	08	05.10694	20	10	46.13	-21	20	13.2		809
1991	PZ25	*	1991	08	05.08056	20	11	17.37	-20	49	25.6	19.5	809
1991	PZ25		1991	08	05.09375	20	11	16.64	-20	49	23.9		809
1991	PZ25		1991	08	05.10694	20	11	15.96	-20	49	23.6		809
1991	PA26	*	1991	08	05.08056	20	11	36.73	-21	30	50.5	18.9	809
1991	PA26		1991	08	05.09375	20	11	35.99	-21	30	52.3		809
1991	PA26		1991	08	05.10694	20	11	35.33	-21	30	56.0		809
1991	PB26	*	1991	08	05.08056	20	12	21.07	-19	23	18.3	18.6	809
1991	PB26		1991	08	05.09375	20	12	20.41	-19	23	24.3		809
1991	PB26		1991	08	05.10694	20	12	19.80	-19	23	29.5		809
1991	PC26	*	1991	08	05.08056	20	12	58.60	-18	16	20.5	19.7	809
1991	PC26		1991	08	05.09375	20	12	57.87	-18	16	22.8		809
1991	PC26		1991	08	05.10694	20	12	57.15	-18	16	25.5		809
1991	PD26	*	1991	08	05.08056	20	12	59.00	-18	39	16.0	18.8	809
1991	PD26		1991	08	05.09375	20	12	58.32	-18	39	17.9		809
1991	PD26		1991	08	05.10694	20	12	57.57	-18	39	20.4		809
1991	PE26	*	1991	08	05.08056	20	13	19.61	-22	06	04.8	19.0	809
1991	PE26		1991	08	05.09375	20	13	18.28	-22	05	47.8		809
1991	PE26		1991	08	05.10694	20	13	16.86	-22	05	29.4		809
1991	PF26	*	1991	08	05.08056	20	13	23.86	-19	50	39.8	18.5	809
1991	PF26		1991	08	05.09375	20	13	23.12	-19	50	45.9		809
1991	PF26		1991	08	05.10694	20	13	22.46	-19	50	50.8		809
1991	PG26	*	1991	08	05.08056	20	14	15.83	-21	47	02.6	19.2	809
1991	PG26		1991	08	05.09375	20	14	15.04	-21	47	09.2		809
1991	PG26		1991	08	05.10694	20	14	14.37	-21	47	14.5		809
1991	PH26	*	1991	08	05.08056	20	14	38.56	-18	48	06.1	18.7	809
1991	PH26		1991	08	05.09375	20	14	37.84	-18	48	08.6		809
1991	PH26		1991	08	05.10694	20	14	37.11	-18	48	11.4		809
1991	PJ26	*	1991	08	05.08056	20	14	49.99	-22	19	25.5	19.2	809
1991	PJ26		1991	08	05.09375	20	14	49.12	-22	19	25.3		809
1991	PJ26		1991	08	05.10694	20	14	48.35	-22	19	27.0		809
1991	PK26	*	1991	08	05.08056	20	15	33.14	-20	20	17.8	19.0	809
1991	PK26		1991	08	05.09375	20	15	32.34	-20	20	17.8		809
1991	PK26		1991	08	05.10694	20	15	31.58	-20	20	19.1		809
1991	PL26	*	1991	08	05.08056	20	15	58.38	-18	27	07.4	18.6	809
1991	PL26		1991	08	05.09375	20	15	57.67	-18	27	10.0		809
1991	PL26		1991	08	05.10694	20	15	57.00	-18	27	11.9		809
1991	PM26	*	1991	08	05.08056	20	16	29.26	-21	23	18.1	19.0	809
1991	PM26		1991	08	05.09375	20	16	28.54	-21	23	24.8		809
1991	PM26		1991	08	05.10694	20	16	27.84	-21	23	30.7		809
1991	PN26	*	1991	08	05.08056	20	17	16.50	-21	48	01.4	19.0	809
1991	PN26		1991	08	05.09375	20	17	15.78	-21	48	09.3		809
1991	PN26		1991	08	05.10694	20	17	15.07	-21	48	16.4		809
1991	PO26	*	1991	08	05.08056	20	17	44.03	-19	25	15.1	19.0	809
1991	PO26		1991	08	05.09375	20	17	43.38	-19	25	17.6		809
1991	PO26		1991	08	05.10694	20	17	42.63	-19	25	19.7		809
1991	PP26	*	1991	08	05.08056	20	18	04.52	-21	52	18.5	18.7	809
1991	PP26		1991	08	05.09375	20	18	03.68	-21	52	20.6		809
1991	PP26		1991	08	05.10694	20	18	02.96	-21	52	21.4		809
1991	PQ26	*	1991	08	05.08056	20	18	20.96	-20	13	13.0	19.0	809
1991	PQ26		1991	08	05.09375	20	18	20.12	-20	13	15.2		809
1991	PQ26		1991	08	05.10694	20	18	19.31	-20	13	16.1		809
1991	PR26	*	1991	08	05.08056	20	18	21.78	-22	09	05.9	19.1	809
1991	PR26		1991	08	05.09375	20	18	20.90	-22	09	09.1		809
1991	PR26		1991	08	05.10694	20	18	19.93	-22	09	13.5		809
1991	PS26	*	1991	08	05.08056	20	18	44.18	-20	19	44.6	18.9	809
1991	PS26		1991	08	05.09375	20	18	43.48	-20	19	45.9		809
1991	PS26		1991	08	05.10694	20	18	42.75	-20	19	47.3		809
1991	PT26	*	1991	08	05.08056	20	18	46.18	-18	25	23.1	18.5	809

1991	PT26		1991	08	05.09375	20	18	45.34	-18	25	26.3		809
1991	PT26		1991	08	05.10694	20	18	44.57	-18	25	28.4		809
1991	PU26	*	1991	08	05.08056	20	19	17.31	-21	35	06.1	19.0	809
1991	PU26		1991	08	05.09375	20	19	16.52	-21	35	09.4		809
1991	PU26		1991	08	05.10694	20	19	15.88	-21	35	12.4		809
1991	PV26	*	1991	08	05.08056	20	20	12.57	-18	25	07.6	18.8	809
1991	PV26		1991	08	05.09375	20	20	11.82	-18	25	10.4		809
1991	PV26		1991	08	05.10694	20	20	11.17	-18	25	12.2		809
1991	PW26	*	1991	08	05.08056	20	20	22.54	-18	33	51.7	18.6	809
1991	PW26		1991	08	05.09375	20	20	21.76	-18	33	54.3		809
1991	PW26		1991	08	05.10694	20	20	21.07	-18	33	55.8		809
1991	PX26	*	1991	08	05.08056	20	20	56.57	-21	13	42.7	18.8	809
1991	PX26		1991	08	05.09375	20	20	55.86	-21	13	46.0		809
1991	PX26		1991	08	05.10694	20	20	55.05	-21	13	49.9		809
1991	PY26	*	1991	08	05.08056	20	21	08.04	-18	14	01.0	18.5	809
1991	PY26		1991	08	05.09375	20	21	07.26	-18	14	05.0		809
1991	PY26		1991	08	05.10694	20	21	06.55	-18	14	07.6		809
1991	PZ26	*	1991	08	05.08056	20	21	20.58	-19	10	12.1	18.6	809
1991	PZ26		1991	08	05.09375	20	21	19.86	-19	10	15.0		809
1991	PZ26		1991	08	05.10694	20	21	19.17	-19	10	17.2		809
1991	PA27	*	1991	08	05.08056	20	22	46.79	-18	39	56.7	19.0	809
1991	PA27		1991	08	05.09375	20	22	46.00	-18	40	01.5		809
1991	PA27		1991	08	05.10694	20	22	45.20	-18	40	05.1		809
1991	PB27	*	1991	08	05.08056	20	23	02.16	-22	06	27.2	19.5	809
1991	PB27		1991	08	05.09375	20	23	01.38	-22	06	32.2		809
1991	PB27		1991	08	05.10694	20	23	00.51	-22	06	38.5		809
1991	PC27	*	1991	08	05.08056	20	23	35.34	-20	49	59.4	18.8	809
1991	PC27		1991	08	05.09375	20	23	34.70	-20	50	02.5		809
1991	PC27		1991	08	05.10694	20	23	34.00	-20	50	05.0		809
1991	PD27	*	1991	08	05.08056	20	24	00.08	-19	50	20.4	18.7	809
1991	PD27		1991	08	05.09375	20	23	59.19	-19	50	23.6		809
1991	PD27		1991	08	05.10694	20	23	58.33	-19	50	27.2		809
1991	PE27	*	1991	08	05.08056	20	24	23.19	-22	06	53.5	18.6	809
1991	PE27		1991	08	05.09375	20	24	22.36	-22	07	00.0		809
1991	PE27		1991	08	05.10694	20	24	21.53	-22	07	05.3		809
1991	PF27	*	1991	08	05.08056	20	24	25.79	-20	19	27.5	18.7	809
1991	PF27		1991	08	05.09375	20	24	25.00	-20	19	30.5		809
1991	PF27		1991	08	05.10694	20	24	24.11	-20	19	34.5		809
1991	PG27	*	1991	08	05.08056	20	24	27.82	-21	19	36.5	19.0	809
1991	PG27		1991	08	05.09375	20	24	27.09	-21	19	41.8		809
1991	PG27		1991	08	05.10694	20	24	26.32	-21	19	46.5		809
1991	PH27	*	1991	08	05.08056	20	24	31.91	-18	05	50.7	19.0	809
1991	PH27		1991	08	05.09375	20	24	31.14	-18	05	54.5		809
1991	PH27		1991	08	05.10694	20	24	30.38	-18	05	57.7		809
1991	PJ27	*	1991	08	05.08056	20	25	03.72	-21	25	42.1	18.5	809
1991	PJ27		1991	08	05.09375	20	25	02.94	-21	25	41.9		809
1991	PJ27		1991	08	05.10694	20	25	02.25	-21	25	41.2		809
1991	PK27	*	1991	08	05.08056	20	25	18.54	-21	39	03.1	18.4	809
1991	PK27		1991	08	05.09375	20	25	17.79	-21	39	06.4		809
1991	PK27		1991	08	05.10694	20	25	17.10	-21	39	09.3		809
1991	PL27	*	1991	08	05.08056	20	25	26.35	-22	15	01.7	18.5	809
1991	PL27		1991	08	05.09375	20	25	25.61	-22	15	06.7		809
1991	PL27		1991	08	05.10694	20	25	24.88	-22	15	10.9		809
1991	PM27	*	1991	08	05.08056	20	26	09.43	-20	58	54.7	18.6	809
1991	PM27		1991	08	05.09375	20	26	08.47	-20	58	55.4		809
1991	PM27		1991	08	05.10694	20	26	07.66	-20	58	55.1		809
1991	PN27	*	1991	08	05.08056	20	26	10.28	-19	05	58.9	19.0	809
1991	PN27		1991	08	05.09375	20	26	09.60	-19	06	03.6		809
1991	PN27		1991	08	05.10694	20	26	09.07	-19	06	05.6		809

1991 PO27	*	1991 08 05.08056	20 26 14.25	-19 44 08.6	18.8	809
1991 PO27		1991 08 05.09375	20 26 13.52	-19 44 10.3		809
1991 PO27		1991 08 05.10694	20 26 12.71	-19 44 10.5		809
1991 PP27	*	1991 08 05.08056	20 27 41.90	-20 42 38.0	18.8	809
1991 PP27		1991 08 05.09375	20 27 41.09	-20 42 43.6		809
1991 PP27		1991 08 05.10694	20 27 40.32	-20 42 48.5		809
1991 PQ27	*	1991 08 05.08056	20 27 52.50	-19 43 33.5	18.9	809
1991 PQ27		1991 08 05.09375	20 27 51.48	-19 43 34.1		809
1991 PQ27		1991 08 05.10694	20 27 50.70	-19 43 33.9		809
1991 PR27	*	1991 08 05.08056	20 28 26.26	-21 43 47.9	18.0	809
1991 PR27		1991 08 05.09375	20 28 25.32	-21 43 44.0		809
1991 PR27		1991 08 05.10694	20 28 24.53	-21 43 40.9		809
1991 PS27	*	1991 08 05.08056	20 28 31.68	-18 46 57.6	19.2	809
1991 PS27		1991 08 05.09375	20 28 30.85	-18 47 03.9		809
1991 PS27		1991 08 05.10694	20 28 30.11	-18 47 08.0		809
1991 PT27	*	1991 08 05.08056	20 28 49.06	-20 54 20.2	19.0	809
1991 PT27		1991 08 05.09375	20 28 48.23	-20 54 25.2		809
1991 PT27		1991 08 05.10694	20 28 47.22	-20 54 29.2		809
1991 PU27	*	1991 08 05.25833	21 02 55.96	-14 57 18.5		809
1991 PU27		1991 08 05.27153	21 02 55.08	-14 57 23.7		809
1991 PU27		1991 08 05.28472	21 02 54.49	-14 57 27.5		809
1991 PV27	*	1991 08 05.25833	21 03 16.12	-15 50 10.9		809
1991 PV27		1991 08 05.27153	21 03 15.34	-15 50 14.2		809
1991 PV27		1991 08 05.28472	21 03 14.61	-15 50 16.8		809
1991 PW27	*	1991 08 05.25833	21 04 10.54	-16 01 06.7		809
1991 PW27		1991 08 05.27153	21 04 09.57	-16 01 07.6		809
1991 PW27		1991 08 05.28472	21 04 08.80	-16 01 08.5		809
1991 PX27	*	1991 08 05.25833	21 04 45.31	-16 06 33.8		809
1991 PX27		1991 08 05.27153	21 04 44.46	-16 06 34.8		809
1991 PX27		1991 08 05.28472	21 04 43.49	-16 06 34.9		809
1991 PY27	*	1991 08 05.25833	21 04 50.94	-13 56 04.9		809
1991 PY27		1991 08 05.27153	21 04 50.08	-13 56 10.2		809
1991 PY27		1991 08 05.28472	21 04 49.39	-13 56 13.9		809
1991 PZ27	*	1991 08 05.25833	21 04 55.03	-13 43 16.3		809
1991 PZ27		1991 08 05.27153	21 04 54.25	-13 43 21.2		809
1991 PZ27		1991 08 05.28472	21 04 53.55	-13 43 24.5		809
1991 PA28	*	1991 08 05.25833	21 05 12.86	-12 54 47.5		809
1991 PA28		1991 08 05.27153	21 05 12.10	-12 54 51.0		809
1991 PA28		1991 08 05.28472	21 05 11.46	-12 54 54.7		809
1991 PB28	*	1991 08 05.25833	21 06 10.49	-17 42 57.9		809
1991 PB28		1991 08 05.27153	21 06 09.65	-17 43 04.5		809
1991 PB28		1991 08 05.28472	21 06 09.08	-17 43 06.3		809
1991 PC28	*	1991 08 05.25833	21 06 31.50	-14 28 03.4		809
1991 PC28		1991 08 05.27153	21 06 30.87	-14 28 07.2		809
1991 PC28		1991 08 05.28472	21 06 30.23	-14 28 10.9		809
1991 PD28	*	1991 08 05.25833	21 06 36.49	-13 08 46.8		809
1991 PD28		1991 08 05.27153	21 06 35.69	-13 08 50.9		809
1991 PD28		1991 08 05.28472	21 06 34.95	-13 08 56.3		809
1991 PE28	*	1991 08 05.25833	21 06 43.94	-17 19 50.6		809
1991 PE28		1991 08 05.27153	21 06 42.98	-17 19 52.9		809
1991 PE28		1991 08 05.28472	21 06 42.15	-17 19 54.6		809
1991 PF28	*	1991 08 05.25833	21 07 10.39	-15 35 33.0		809
1991 PF28		1991 08 05.27153	21 07 09.76	-15 35 35.3		809
1991 PF28		1991 08 05.28472	21 07 09.04	-15 35 38.5		809
1991 PG28	*	1991 08 05.25833	21 08 52.89	-15 44 03.8		809
1991 PG28		1991 08 05.27153	21 08 52.21	-15 44 09.9		809
1991 PG28		1991 08 05.28472	21 08 51.62	-15 44 16.3		809
1991 PH28	*	1991 08 05.25833	21 09 05.20	-16 23 31.7		809
1991 PH28		1991 08 05.27153	21 09 04.52	-16 23 36.7		809

1991 PH28		1991 08 05.28472	21 09 03.95	-16 23 41.8		809
1991 PJ28	*	1991 08 05.25833	21 09 07.96	-16 12 01.7		809
1991 PJ28		1991 08 05.27153	21 09 06.94	-16 11 58.1		809
1991 PJ28		1991 08 05.28472	21 09 06.02	-16 11 54.7		809
1991 PK28	*	1991 08 05.25833	21 11 17.31	-16 09 26.4		809
1991 PK28		1991 08 05.27153	21 11 16.47	-16 09 31.0		809
1991 PK28		1991 08 05.28472	21 11 15.64	-16 09 35.6		809
1991 PL28	*	1991 08 05.25833	21 11 38.85	-15 26 43.0		809
1991 PL28		1991 08 05.27153	21 11 38.14	-15 26 43.6		809
1991 PL28		1991 08 05.28472	21 11 37.42	-15 26 44.9		809
1991 PM28	*	1991 08 05.25833	21 11 40.58	-13 46 13.5		809
1991 PM28		1991 08 05.27153	21 11 39.91	-13 46 19.3		809
1991 PM28		1991 08 05.28472	21 11 39.15	-13 46 25.8		809
1991 PN28	*	1991 08 05.25833	21 11 48.57	-16 57 36.0		809
1991 PN28		1991 08 05.27153	21 11 47.67	-16 57 40.3		809
1991 PN28		1991 08 05.28472	21 11 46.97	-16 57 45.0		809
1991 PO28	*	1991 08 05.25833	21 12 00.02	-15 26 14.2		809
1991 PO28		1991 08 05.27153	21 11 59.23	-15 26 17.5		809
1991 PO28		1991 08 05.28472	21 11 58.48	-15 26 22.3		809
1991 PP28	*	1991 08 05.25833	21 12 54.64	-14 18 12.9		809
1991 PP28		1991 08 05.27153	21 12 53.97	-14 18 17.1		809
1991 PP28		1991 08 05.28472	21 12 53.37	-14 18 20.2		809
1991 PQ28	*	1991 08 05.25833	21 16 21.24	-15 30 36.7		809
1991 PQ28		1991 08 05.27153	21 16 20.58	-15 30 44.2		809
1991 PQ28		1991 08 05.28472	21 16 19.98	-15 30 49.8		809
1991 PR28	*	1991 08 05.25833	21 19 00.56	-15 03 11.0		809
1991 PR28		1991 08 05.27153	21 18 59.89	-15 03 12.4		809
1991 PR28		1991 08 05.28472	21 18 58.90	-15 03 14.2		809
1991 PS28	*	1991 08 05.25833	21 20 21.91	-12 48 11.7		809
1991 PS28		1991 08 05.27153	21 20 21.21	-12 48 15.5		809
1991 PS28		1991 08 05.28472	21 20 20.50	-12 48 21.6		809
1991 PT28	*	1991 08 05.25833	21 21 08.14	-15 25 19.8		809
1991 PT28		1991 08 05.27153	21 21 07.34	-15 25 23.4		809
1991 PT28		1991 08 05.28472	21 21 06.55	-15 25 28.5		809
1991 PU28	*	1991 08 06.14792	21 14 46.26	-10 08 46.5	17.6	809
1991 PU28		1991 08 06.15833	21 14 45.68	-10 08 47.0		809
1991 PU28		1991 08 06.16875	21 14 45.20	-10 08 46.4		809
1991 PV28	*	1991 08 06.19653	21 23 00.06	-10 07 22.3	17.8	809
1991 PV28		1991 08 06.20694	21 22 59.70	-10 07 26.5		809
1991 PV28		1991 08 06.21736	21 22 59.26	-10 07 32.7		809
1991 PW28	*	1991 08 06.19653	21 25 07.68	-09 58 49.9	17.0	809
1991 PW28		1991 08 06.20694	21 25 07.01	-09 58 46.5		809
1991 PW28		1991 08 06.21736	21 25 06.26	-09 58 43.9		809
1991 PX28	*	1991 08 06.24444	21 57 48.41	-12 28 36.1	18.8	809
1991 PX28		1991 08 06.25764	21 57 47.68	-12 28 38.6		809
1991 PX28		1991 08 06.27083	21 57 47.04	-12 28 40.0		809
1991 PY28	*	1991 08 06.24444	22 00 35.53	-12 38 32.0	18.8	809
1991 PY28		1991 08 06.25764	22 00 34.82	-12 38 33.3		809
1991 PY28		1991 08 06.27083	22 00 34.12	-12 38 34.9		809
1991 PZ28	*	1991 08 06.24444	22 04 08.35	-12 34 16.4	19.5	809
1991 PZ28		1991 08 06.25764	22 04 07.54	-12 34 19.2		809
1991 PZ28		1991 08 06.27083	22 04 06.79	-12 34 21.1		809
1991 PA29	*	1991 08 06.24444	22 11 18.73	-13 38 53.8	19.7	809
1991 PA29		1991 08 06.25764	22 11 18.18	-13 38 56.8		809
1991 PA29		1991 08 06.27083	22 11 17.75	-13 38 59.6		809
1991 PB29	*	1991 08 07.09792	20 56 11.22	-18 34 23.8	19.5	809
1991 PB29		1991 08 07.11111	20 56 10.41	-18 34 25.7		809
1991 PB29		1991 08 07.12431	20 56 09.73	-18 34 31.0		809
1991 PC29	*	1991 08 07.09792	20 56 32.28	-21 05 38.9	18.7	809

1991 PC29		1991 08 07.111111	20 56 31.33	-21 05 44.4		809
1991 PC29		1991 08 07.12431	20 56 30.31	-21 05 48.5		809
1991 PD29	*	1991 08 07.09792	20 57 40.76	-23 07 47.0	18.9	809
1991 PD29		1991 08 07.111111	20 57 39.89	-23 07 50.1		809
1991 PD29		1991 08 07.12431	20 57 39.10	-23 07 56.6		809
1991 PE29	*	1991 08 07.09792	20 57 46.10	-22 44 25.2	19.5	809
1991 PE29		1991 08 07.111111	20 57 45.31	-22 44 24.2		809
1991 PE29		1991 08 07.12431	20 57 44.32	-22 44 22.6		809
1991 PG29	*	1991 08 07.09792	21 08 43.23	-21 08 22.9	18.6	809
1991 PG29		1991 08 07.111111	21 08 42.71	-21 08 32.8		809
1991 PG29		1991 08 07.12431	21 08 42.07	-21 08 42.3		809
1991 PH29	*	1991 08 07.14722	22 25 36.51	-10 43 58.8	19.0	809
1991 PH29		1991 08 07.16042	22 25 36.01	-10 44 08.8		809
1991 PH29		1991 08 07.17361	22 25 35.54	-10 44 17.7		809
1991 PJ29	*	1991 08 07.14722	22 31 28.60	-10 51 30.6	18.4	809
1991 PJ29		1991 08 07.16042	22 31 28.02	-10 51 34.5		809
1991 PJ29		1991 08 07.17361	22 31 27.48	-10 51 38.6		809
1991 PK29	*	1991 08 07.14722	22 33 59.64	-09 16 43.0	19.0	809
1991 PK29		1991 08 07.16042	22 33 58.92	-09 16 49.8		809
1991 PK29		1991 08 07.17361	22 33 58.40	-09 16 57.1		809
1991 PL29	*	1991 08 10.26528	21 21 44.55	-14 49 53.5	17.8	809
1991 PL29		1991 08 10.27708	21 21 44.02	-14 49 57.5		809
1991 PL29		1991 08 10.28750	21 21 43.45	-14 50 01.5		809
1991 PM29	*	1991 08 11.10486	21 20 20.15	-21 24 52.5	17.8	809
1991 PM29		1991 08 11.11528	21 20 19.51	-21 24 53.8		809
1991 PM29		1991 08 11.12569	21 20 18.88	-21 24 53.4		809
1991 PN29	*	1991 08 11.10486	21 20 28.64	-22 36 47.1	17.5	809
1991 PN29		1991 08 11.11528	21 20 28.04	-22 36 51.5		809
1991 PN29		1991 08 11.12569	21 20 27.44	-22 36 55.4		809
1991 PO29	*	1991 08 11.10486	21 22 10.29	-22 00 43.3	18.0	809
1991 PO29		1991 08 11.11528	21 22 09.81	-22 00 52.7		809
1991 PO29		1991 08 11.12569	21 22 09.33	-22 01 05.1		809
1991 PP29	*	1991 08 11.10486	21 24 25.65	-21 54 50.9	18.0	809
1991 PP29		1991 08 11.11528	21 24 25.02	-21 54 57.3		809
1991 PP29		1991 08 11.12569	21 24 24.53	-21 55 01.7		809
1991 PQ29	*	1991 08 11.31250	21 22 27.25	-11 06 05.9	17.8	809
1991 PQ29		1991 08 11.32292	21 22 26.51	-11 06 03.6		809
1991 PQ29		1991 08 11.33333	21 22 25.88	-11 06 04.8		809
1991 PR29	*	1991 08 11.31250	21 22 43.23	-11 15 50.8	17.6	809
1991 PR29		1991 08 11.32292	21 22 42.59	-11 15 52.0		809
1991 PR29		1991 08 11.33333	21 22 41.80	-11 15 52.8		809
1991 PS29	*	1991 08 11.31250	21 24 13.12	-11 06 02.2	17.9	809
1991 PS29		1991 08 11.32292	21 24 12.38	-11 06 01.8		809
1991 PS29		1991 08 11.33333	21 24 11.52	-11 06 03.2		809
1991 PT29	*	1991 08 14.16181	20 39 32.92	-19 32 22.8	18.6	809
1991 PT29		1991 08 14.17500	20 39 32.14	-19 32 23.7		809
1991 PT29		1991 08 14.18819	20 39 31.51	-19 32 23.8		809
1991 PU29	*	1991 08 14.16181	20 42 43.84	-21 37 06.9	19.5	809
1991 PU29		1991 08 14.17500	20 42 43.18	-21 37 06.7		809
1991 PU29		1991 08 14.18819	20 42 42.48	-21 37 05.5		809
1991 PV29	*	1991 08 14.16181	20 43 26.63	-21 43 43.7	18.8	809
1991 PV29		1991 08 14.17500	20 43 25.71	-21 43 46.8		809
1991 PV29		1991 08 14.18819	20 43 25.01	-21 43 49.6		809
1991 PW29	*	1991 08 14.16181	20 44 07.13	-20 45 42.4	19.7	809
1991 PW29		1991 08 14.17500	20 44 06.64	-20 45 38.3		809
1991 PW29		1991 08 14.18819	20 44 06.21	-20 45 35.9		809
1991 PX29	*	1991 08 14.16181	20 44 31.51	-22 08 31.2	18.5	809
1991 PX29		1991 08 14.17500	20 44 30.88	-22 08 36.2		809
1991 PX29		1991 08 14.18819	20 44 30.21	-22 08 42.0		809

1991	PY29	*	1991	08	14.16181	20	44	35.11	-20	13	22.6	19.4	809
1991	PY29		1991	08	14.17500	20	44	34.38	-20	13	24.2		809
1991	PY29		1991	08	14.18819	20	44	33.60	-20	13	25.1		809
1991	PZ29	*	1991	08	14.16181	20	44	37.33	-19	35	11.9	18.6	809
1991	PZ29		1991	08	14.17500	20	44	36.66	-19	35	16.7		809
1991	PZ29		1991	08	14.18819	20	44	36.03	-19	35	21.3		809
1991	PA30	*	1991	08	14.16181	20	45	11.61	-18	23	49.2	19.2	809
1991	PA30		1991	08	14.17500	20	45	10.81	-18	23	49.5		809
1991	PA30		1991	08	14.18819	20	45	09.95	-18	23	50.6		809
1991	PB30	*	1991	08	14.16181	20	45	52.93	-21	27	28.5		809
1991	PB30		1991	08	14.17500	20	45	52.50	-21	27	29.6		809
1991	PB30		1991	08	14.18819	20	45	52.11	-21	27	29.4		809
1991	PC30	*	1991	08	14.16181	20	46	07.72	-20	25	18.8	18.8	809
1991	PC30		1991	08	14.17500	20	46	07.05	-20	25	20.9		809
1991	PC30		1991	08	14.18819	20	46	06.49	-20	25	23.7		809
1991	PD30	*	1991	08	14.16181	20	46	10.12	-19	11	54.6	20.0	809
1991	PD30		1991	08	14.17500	20	46	09.35	-19	11	55.3		809
1991	PD30		1991	08	14.18819	20	46	08.28	-19	11	56.0		809
1991	PE30	*	1991	08	14.16181	20	47	10.35	-21	55	38.2	19.6	809
1991	PE30		1991	08	14.17500	20	47	09.66	-21	55	34.4		809
1991	PE30		1991	08	14.18819	20	47	08.94	-21	55	31.0		809
1991	PF30	*	1991	08	14.16181	20	47	25.01	-20	15	01.6	19.6	809
1991	PF30		1991	08	14.17500	20	47	24.37	-20	15	00.7		809
1991	PF30		1991	08	14.18819	20	47	23.63	-20	14	59.0		809
1991	PG30	*	1991	08	14.16181	20	47	28.23	-21	22	41.6	20.0	809
1991	PG30		1991	08	14.17500	20	47	27.65	-21	22	43.4		809
1991	PG30		1991	08	14.18819	20	47	26.99	-21	22	44.7		809
1991	PH30	*	1991	08	14.16181	20	47	52.26	-18	31	35.1	18.5	809
1991	PH30		1991	08	14.17500	20	47	51.69	-18	31	39.8		809
1991	PH30		1991	08	14.18819	20	47	50.92	-18	31	44.7		809
1991	PJ30	*	1991	08	14.16181	20	48	09.90	-18	23	46.0	20.0	809
1991	PJ30		1991	08	14.17500	20	48	09.32	-18	23	48.5		809
1991	PJ30		1991	08	14.18819	20	48	08.61	-18	23	54.1		809
1991	PK30	*	1991	08	14.16181	20	48	35.98	-18	39	59.7	19.5	809
1991	PK30		1991	08	14.17500	20	48	35.30	-18	39	54.8		809
1991	PK30		1991	08	14.18819	20	48	34.64	-18	39	52.0		809
1991	PL30	*	1991	08	14.16181	20	48	40.66	-19	20	34.8	20.0	809
1991	PL30		1991	08	14.17500	20	48	40.12	-19	20	35.8		809
1991	PL30		1991	08	14.18819	20	48	39.60	-19	20	35.9		809
1991	PM30	*	1991	08	14.16181	20	49	07.05	-19	15	12.8	19.0	809
1991	PM30		1991	08	14.17500	20	49	06.30	-19	15	14.2		809
1991	PM30		1991	08	14.18819	20	49	05.42	-19	15	16.0		809
1991	PN30	*	1991	08	14.16181	20	49	17.45	-20	42	31.6	20.0	809
1991	PN30		1991	08	14.17500	20	49	16.87	-20	42	31.1		809
1991	PN30		1991	08	14.18819	20	49	16.20	-20	42	30.3		809
1991	PO30	*	1991	08	14.16181	20	50	00.62	-20	35	50.1	19.4	809
1991	PO30		1991	08	14.17500	20	49	59.91	-20	35	56.9		809
1991	PO30		1991	08	14.18819	20	49	59.28	-20	36	03.4		809
1991	PP30	*	1991	08	14.16181	20	51	00.16	-21	50	44.2	18.7	809
1991	PP30		1991	08	14.17500	20	50	59.36	-21	50	45.3		809
1991	PP30		1991	08	14.18819	20	50	58.62	-21	50	45.9		809
1991	PQ30	*	1991	08	14.16181	20	51	13.49	-19	11	11.3	19.5	809
1991	PQ30		1991	08	14.17500	20	51	12.75	-19	11	18.1		809
1991	PQ30		1991	08	14.18819	20	51	11.98	-19	11	24.7		809
1991	PR30	*	1991	08	14.16181	20	51	26.19	-18	21	54.4	20.0	809
1991	PR30		1991	08	14.17500	20	51	25.60	-18	21	52.8		809
1991	PR30		1991	08	14.18819	20	51	25.03	-18	21	52.2		809
1991	PS30	*	1991	08	14.16181	20	51	30.76	-18	20	44.4	19.3	809
1991	PS30		1991	08	14.17500	20	51	30.04	-18	20	50.3		809

1991 PS30		1991 08 14.18819	20 51 29.37	-18 20 54.8		809
1991 PT30	*	1991 08 14.16181	20 53 42.92	-21 17 48.9	20.5	809
1991 PT30		1991 08 14.17500	20 53 42.26	-21 17 47.1		809
1991 PT30		1991 08 14.18819	20 53 41.52	-21 17 45.5		809
1991 PU30	*	1991 08 14.16181	20 57 57.94	-21 42 30.0	19.6	809
1991 PU30		1991 08 14.17500	20 57 57.30	-21 42 33.6		809
1991 PU30		1991 08 14.18819	20 57 56.76	-21 42 36.1		809
1991 PV30	*	1991 08 14.16181	20 58 37.35	-21 46 13.3	21.0	809
1991 PV30		1991 08 14.17500	20 58 36.96	-21 46 16.8		809
1991 PV30		1991 08 14.18819	20 58 36.51	-21 46 18.8		809
1991 PW30	*	1991 08 14.16181	20 58 55.79	-20 31 05.6	19.4	809
1991 PW30		1991 08 14.17500	20 58 54.99	-20 31 08.1		809
1991 PW30		1991 08 14.18819	20 58 54.31	-20 31 10.9		809
1991 PX30	*	1991 08 14.16181	20 58 56.21	-19 46 55.0	20.5	809
1991 PX30		1991 08 14.17500	20 58 55.45	-19 46 55.2		809
1991 PX30		1991 08 14.18819	20 58 54.71	-19 46 58.2		809
1991 PY30	*	1991 08 14.20625	21 46 09.26	-17 37 30.2		809
1991 PY30		1991 08 14.21944	21 46 08.60	-17 37 34.8		809
1991 PY30		1991 08 14.23264	21 46 07.78	-17 37 40.7		809
1991 PZ30	*	1991 08 14.20625	21 47 38.37	-15 01 14.9	18.4	809
1991 PZ30		1991 08 14.21944	21 47 37.87	-15 01 34.0		809
1991 PZ30		1991 08 14.23264	21 47 37.41	-15 01 52.2		809
1991 PA31	*	1991 08 14.20625	21 47 42.27	-18 01 02.3	19.6	809
1991 PA31		1991 08 14.21944	21 47 41.58	-18 01 04.7		809
1991 PA31		1991 08 14.23264	21 47 40.94	-18 01 06.2		809
1991 PB31	*	1991 08 14.20625	21 50 22.43	-17 01 42.4	19.3	809
1991 PB31		1991 08 14.21944	21 50 21.63	-17 01 44.7		809
1991 PB31		1991 08 14.23264	21 50 21.10	-17 01 48.5		809
1991 PC31	*	1991 08 14.20625	21 51 11.97	-18 53 01.4	19.3	809
1991 PC31		1991 08 14.21944	21 51 11.17	-18 53 01.4		809
1991 PC31		1991 08 14.23264	21 51 10.44	-18 53 02.4		809
1991 PD31	*	1991 08 14.20625	21 54 38.13	-14 12 44.7	19.5	809
1991 PD31		1991 08 14.21944	21 54 37.45	-14 12 49.8		809
1991 PD31		1991 08 14.23264	21 54 36.77	-14 12 53.7		809
1991 PE31	*	1991 08 14.20625	21 56 54.83	-15 06 05.7	19.5	809
1991 PE31		1991 08 14.21944	21 56 54.17	-15 06 09.7		809
1991 PE31		1991 08 14.23264	21 56 53.46	-15 06 13.7		809
1991 PF31	*	1991 08 14.20625	21 59 11.55	-14 25 08.2	19.5	809
1991 PF31		1991 08 14.21944	21 59 10.87	-14 25 11.9		809
1991 PF31		1991 08 14.23264	21 59 10.19	-14 25 13.9		809
1991 PG31	*	1991 08 14.20625	21 59 29.50	-13 57 25.8	19.4	809
1991 PG31		1991 08 14.21944	21 59 28.72	-13 57 28.0		809
1991 PG31		1991 08 14.23264	21 59 28.00	-13 57 31.3		809
1991 PH31	*	1991 08 14.20625	21 59 29.78	-17 51 22.4	19.1	809
1991 PH31		1991 08 14.21944	21 59 28.92	-17 51 25.7		809
1991 PH31		1991 08 14.23264	21 59 28.22	-17 51 30.4		809
1991 PJ31	*	1991 08 14.20625	22 00 50.58	-15 52 31.5	18.6	809
1991 PJ31		1991 08 14.21944	22 00 49.29	-15 52 25.5		809
1991 PJ31		1991 08 14.23264	22 00 47.94	-15 52 19.1		809
1991 PK31	*	1991 08 14.20625	22 02 47.03	-18 04 03.9	18.7	809
1991 PK31		1991 08 14.21944	22 02 46.29	-18 04 04.4		809
1991 PK31		1991 08 14.23264	22 02 45.53	-18 04 04.9		809
1991 PL31	*	1991 08 14.20625	22 03 20.67	-17 37 01.0	19.4	809
1991 PL31		1991 08 14.21944	22 03 19.85	-17 37 01.5		809
1991 PL31		1991 08 14.23264	22 03 19.06	-17 37 02.6		809
1991 PM31	*	1991 08 14.20625	22 04 52.66	-16 43 03.7	19.5	809
1991 PM31		1991 08 14.21944	22 04 51.93	-16 43 07.8		809
1991 PM31		1991 08 14.23264	22 04 51.29	-16 43 10.9		809
1991 PN31	*	1991 08 14.20625	22 05 12.79	-15 35 06.6	18.6	809

1991 PN31		1991 08 14.21944	22 05 11.96	-15 35 05.2		809
1991 PN31		1991 08 14.23264	22 05 11.08	-15 35 03.3		809
1991 PO31	*	1991 08 14.20625	22 05 23.15	-17 03 32.9	18.6	809
1991 PO31		1991 08 14.21944	22 05 22.31	-17 03 34.3		809
1991 PO31		1991 08 14.23264	22 05 21.40	-17 03 37.0		809
1991 PP31	*	1991 08 14.20625	22 05 28.61	-17 11 14.4	18.6	809
1991 PP31		1991 08 14.21944	22 05 27.72	-17 11 17.9		809
1991 PP31		1991 08 14.23264	22 05 26.96	-17 11 21.0		809
1991 PQ31	*	1991 08 14.28194	21 27 00.59	-10 38 22.7		809
1991 PQ31		1991 08 14.29236	21 26 59.68	-10 38 25.3		809
1991 PQ31		1991 08 14.30278	21 26 59.07	-10 38 27.9	18.5	809
1991 PR31	*	1991 08 14.35486	21 42 38.87	-16 29 06.2	17.7	809
1991 PR31		1991 08 14.36562	21 42 38.29	-16 29 08.7		809
1991 QM	*	1991 08 19.00556	00 08 19.28	-00 05 36.0	19.4	033
1991 QN	*	1991 08 17.68125	20 57 24.79	-16 41 37.3	16.5	894
1991 QN		1991 08 17.69410	20 57 23.80	-16 41 29.5		894
1991 RM31	*	1991 09 13.88889	21 42 10.77	-10 06 38.6	18.0	033
1991 RM31		1991 09 13.94375	21 42 08.33	-10 06 34.2		033
1991 RN31	*	1991 09 13.88889	21 51 37.97	-11 10 02.8	18.2	033
1991 RN31		1991 09 13.94375	21 51 36.25	-11 10 18.1		033
1991 RO31	*	1991 09 14.92292	23 43 28.95	-03 01 30.8	19.2	033
1991 RO31		1991 09 14.97500	23 43 26.56	-03 01 55.6		033
1991 RP31	*	1991 09 14.92292	23 46 14.71	-01 00 54.7	19.5	033
1991 RP31		1991 09 14.97500	23 46 11.70	-01 01 04.2		033
1991 RQ31	*	1991 09 14.92292	23 46 34.28	-02 44 50.6	20.0	033
1991 RQ31		1991 09 14.97500	23 46 30.86	-02 45 08.2		033
1991 RR31	*	1991 09 14.92292	23 49 05.17	-00 24 01.6	19.7	033
1991 RR31		1991 09 14.97500	23 49 02.28	-00 24 17.7		033
1991 RS31	*	1991 09 14.92292	23 51 48.28	-02 52 04.1	19.0	033
1991 RS31		1991 09 14.97500	23 51 45.78	-02 52 43.2		033
1991 RT31	*	1991 09 14.92292	23 51 49.45	-00 49 03.0	19.6	033
1991 RT31		1991 09 14.97500	23 51 46.82	-00 49 35.3		033
1991 RU31	*	1991 09 14.92292	23 52 14.68	-01 42 32.9	19.3	033
1991 RU31		1991 09 14.97500	23 52 11.58	-01 42 52.4		033
1991 RV31	*	1991 09 14.92292	23 52 20.12	-01 29 48.7	19.4	033
1991 RV31		1991 09 14.97500	23 52 17.18	-01 29 59.1		033
1991 RW31	*	1991 09 14.92292	23 55 24.88	-00 36 04.2	19.3	033
1991 RW31		1991 09 14.97500	23 55 21.90	-00 36 31.7		033
1991 RX31	*	1991 09 02.86543	22 12 18.23	+00 33 01.7	16.7	046
1991 RX31		1991 09 02.87955	22 12 17.47	+00 33 06.0		046
1991 RY31	*	1991 09 02.86543	22 15 58.14	+00 47 26.0	16.8	U 046
1991 RY31		1991 09 02.87955	22 15 57.76	+00 47 33.4		U 046
1991 RZ31	*	1991 09 03.88476	22 48 14.99	+05 48 01.8	17.0	046
1991 RZ31		1991 09 03.89888	22 48 14.37	+05 47 56.5		046
1991 RA32	*	1991 09 03.92376	22 57 50.49	-09 03 18.7	16.9	046
1991 RA32		1991 09 03.93788	22 57 50.06	-09 03 11.8		046
1991 RB32	*	1991 09 09.85582	23 15 32.01	+01 57 37.8	16.7	046
1991 RB32		1991 09 09.86994	23 15 31.18	+01 57 37.3		046
1991 RC32	*	1991 09 01.57846	23 27 58.59	-05 51 57.2	18	372
1991 RC32		1991 09 01.58994	23 27 58.43	-05 51 55.2		372
1991 RD32	*	1991 09 07.70556	23 24 08.04	-05 57 37.0	17.5	372
1991 RD32		1991 09 07.71875	23 24 08.07	-05 57 33.9		372
1991 RE32	*	1991 09 07.70556	23 25 21.38	-05 07 56.7	17.5	372
1991 RE32		1991 09 07.71875	23 25 20.73	-05 07 58.8		372
1991 RF32	*	1991 09 07.49444	21 57 33.87	-21 04 36.8	16	399
1991 RF32		1991 09 07.50935	21 57 33.00	-21 04 35.8		399
1991 RG32	*	1991 09 07.52934	22 13 22.40	-10 04 39.6	16.5	399
1991 RG32		1991 09 07.54479	22 13 21.87	-10 04 46.9		399
1991 RH32	*	1991 09 07.52934	22 25 00.25	-10 24 58.6	16.5	399

1991 RH32		1991 09 07.54479	22 24 59.69	-10 25 02.4			399
1991 RJ32	*	1991 09 07.52934	22 25 35.17	-12 22 05.5	16.7		399
1991 RJ32		1991 09 07.54479	22 25 34.18	-12 22 01.2			399
1991 RK32	*	1991 09 11.68056	01 34 53.28	+10 59 52.2	17.5		402
1991 RK32		1991 09 11.70139	01 34 52.67	+10 59 46.5			402
1991 RL32	*	1991 09 11.68056	01 34 59.34	+11 03 42.0	17.5		402
1991 RL32		1991 09 11.70139	01 34 58.81	+11 03 40.1			402
1991 RM32	*	1991 09 11.68056	01 37 24.71	+10 46 03.3	17.5		402
1991 RM32		1991 09 11.70139	01 37 24.17	+10 46 01.4			402
1991 RN32	*	1991 09 02.64324	00 37 12.34	+01 57 53.1	18.5	V	413
1991 RO32	*	1991 09 05.59238	23 31 47.13	-12 09 17.1	16	V	413
1991 RO32		1991 09 05.63405	23 31 44.92	-12 09 38.2			413
1991 RP32	*	1991 09 05.71078	00 56 21.32	-25 13 07.3	18	V	413
1991 RP32		1991 09 05.75244	00 56 19.64	-25 13 18.6			413
1991 RQ32	*	1991 09 05.71078	00 59 08.40	-25 16 39.2	18	V	413
1991 RQ32		1991 09 05.75244	00 59 05.42	-25 16 55.6			413
1991 RR32	*	1991 09 05.97639	23 24 19.37	-00 02 13.2			511
1991 RR32		1991 09 06.01458	23 24 17.53	-00 02 23.8	18.0		511
1991 RS32	*	1991 09 06.04931	23 27 56.41	-01 53 29.9			511
1991 RS32		1991 09 06.08403	23 27 59.43	-01 53 24.5	17.5		511
1991 RT32	*	1991 09 06.04931	23 35 07.14	-04 21 24.5			511
1991 RT32		1991 09 06.08403	23 35 05.86	-04 21 37.3	18.5		511
1991 RU32	*	1991 09 07.01146	23 27 26.08	-01 56 59.5			511
1991 RU32		1991 09 07.03681	23 27 23.54	-01 56 59.7			511
1991 RV32	*	1991 09 07.07361	00 14 19.12	+07 37 55.7	17.5		511
1991 RV32		1991 09 07.08056	00 14 17.83	+07 38 05.3			511
1991 RV32		1991 09 07.08750	00 14 16.36	+07 38 14.5			511
1991 RW32	*	1991 09 10.30260	22 46 10.63	-08 59 05.8	17.8		675
1991 RW32		1991 09 10.35573	22 46 08.07	-08 59 24.3			675
1991 RX32	*	1991 09 10.30260	22 49 18.47	-08 37 10.7	17.8		675
1991 RX32		1991 09 10.35573	22 49 14.89	-08 37 23.2			675
1991 RY32	*	1991 09 10.30260	22 51 34.13	-07 45 55.4			675
1991 RY32		1991 09 10.35573	22 51 31.35	-07 46 06.8			675
1991 RZ32	*	1991 09 10.30260	22 51 40.88	-08 54 19.8	17.2		675
1991 RZ32		1991 09 10.35573	22 51 38.30	-08 54 45.5			675
1991 RA33	*	1991 09 10.30260	22 52 25.71	-09 35 48.5	17.2		675
1991 RA33		1991 09 10.35573	22 52 23.39	-09 36 13.3			675
1991 RB33	*	1991 09 10.31389	22 42 45.81	+04 09 25.4	17.5		675
1991 RB33		1991 09 10.36476	22 42 43.72	+04 08 56.5			675
1991 RC33	*	1991 09 10.31389	22 50 30.64	+06 33 46.6	16.5		675
1991 RC33		1991 09 10.36476	22 50 28.07	+06 33 34.9			675
1991 RD33	*	1991 09 10.31389	22 52 35.48	+02 57 19.6	18.0		675
1991 RD33		1991 09 10.36476	22 52 33.15	+02 57 05.3			675
1991 RE33	*	1991 09 10.31389	22 53 11.43	+02 09 11.5	17.5		675
1991 RE33		1991 09 10.36476	22 53 08.67	+02 08 58.6			675
1991 RF33	*	1991 09 10.31389	22 55 55.00	+06 39 43.0	17.8		675
1991 RF33		1991 09 10.36476	22 55 52.10	+06 39 33.5			675
1991 RG33	*	1991 09 10.31389	22 56 43.10	+03 34 58.7	17.5		675
1991 RG33		1991 09 10.36476	22 56 40.88	+03 34 36.9			675
1991 RH33	*	1991 09 10.31389	22 57 46.89	+02 13 50.8	17.8		675
1991 RH33		1991 09 10.36476	22 57 43.80	+02 13 38.5			675
1991 RJ33	*	1991 09 10.37515	00 28 29.25	+00 04 14.9	18.5		675
1991 RJ33		1991 09 10.42622	00 28 26.85	+00 04 04.9			675
1991 RK33	*	1991 09 10.37515	00 32 06.66	+01 46 04.1	18.2		675
1991 RK33		1991 09 10.42622	00 32 04.43	+01 45 45.7			675
1991 RL33	*	1991 09 10.37515	00 32 23.48	+00 08 20.4	17.5		675
1991 RL33		1991 09 10.42622	00 32 20.84	+00 08 17.7			675
1991 RM33	*	1991 09 10.40573	01 21 10.81	+08 42 58.9			675
1991 RM33		1991 09 10.46042	01 21 09.09	+08 43 01.2	19.0		675

1991 RN33	*	1991 09 10.40573	01 38 00.97	+07 16 04.8		675
1991 RN33		1991 09 10.46042	01 37 59.24	+07 16 07.2	17.8	675
1991 RO33	*	1991 09 11.29878	23 00 10.40	-02 56 27.5	18.0	675
1991 RO33		1991 09 11.35451	23 00 06.55	-02 56 22.6		675
1991 RP33	*	1991 09 11.29878	23 01 07.79	-03 27 04.6	16.8	675
1991 RP33		1991 09 11.35451	23 01 05.25	-03 27 38.8		675
1991 RQ33	*	1991 09 11.29878	23 05 18.96	-07 01 46.7	17.2	675
1991 RQ33		1991 09 11.35451	23 05 16.34	-07 02 05.4		675
1991 RR33	*	1991 09 11.29878	23 05 34.16	-02 40 17.6	17.8	675
1991 RR33		1991 09 11.35451	23 05 31.06	-02 40 30.0		675
1991 RS33	*	1991 09 11.29878	23 05 44.28	-02 59 10.0	17.8	675
1991 RS33		1991 09 11.35451	23 05 40.11	-02 59 28.5		675
1991 RT33	*	1991 09 11.29878	23 06 13.26	-05 59 02.7	17.8	675
1991 RT33		1991 09 11.35451	23 06 10.28	-05 58 54.5		675
1991 RU33	*	1991 09 11.29878	23 09 28.89	-05 36 39.7	18.2	675
1991 RU33		1991 09 11.35451	23 09 25.50	-05 36 53.2		675
1991 RV33	*	1991 09 11.29878	23 10 00.02	-04 25 25.8	17.8	675
1991 RV33		1991 09 11.35451	23 09 56.86	-04 25 40.4		675
1991 RW33	*	1991 09 11.29878	23 10 17.43	-01 58 10.6	17.8	675
1991 RW33		1991 09 11.35451	23 10 15.02	-01 58 35.8		675
1991 RX33	*	1991 09 11.29878	23 13 53.29	-06 11 30.4	18.0	675
1991 RX33		1991 09 11.35451	23 13 50.19	-06 11 45.2		675
1991 RY33	*	1991 09 11.29878	23 14 36.17	-05 49 40.9	18.2	675
1991 RY33		1991 09 11.35451	23 14 33.33	-05 50 05.2		675
1991 RZ33	*	1991 09 11.29878	23 15 15.14	-05 19 42.5	17.5	675
1991 RZ33		1991 09 11.35451	23 15 12.38	-05 20 04.0	18.0	675
1991 RA34	*	1991 09 11.32257	00 03 58.14	-01 52 55.7		675
1991 RA34		1991 09 11.37431	00 03 55.36	-01 53 25.7	17.8	675
1991 RB34	*	1991 09 11.32257	00 09 31.87	-01 42 35.1		675
1991 RB34		1991 09 11.37431	00 09 28.43	-01 42 26.2	18.5	675
1991 RC34	*	1991 09 11.32257	00 15 06.98	-01 31 37.4		675
1991 RC34		1991 09 11.37431	00 15 03.63	-01 31 33.0	18.5	675
1991 RD34	*	1991 09 11.32257	23 43 00.16	-00 28 58.2		675
1991 RD34		1991 09 11.37431	23 42 57.56	-00 29 15.0	18.5	675
1991 RE34	*	1991 09 11.32257	23 49 36.54	+01 27 40.3		675
1991 RE34		1991 09 11.37431	23 49 33.93	+01 27 10.4	18.5	675
1991 RF34	*	1991 09 11.32257	23 52 33.53	+01 03 11.7		675
1991 RF34		1991 09 11.37431	23 52 30.83	+01 02 43.8	17.8	675
1991 RG34	*	1991 09 12.20822	21 25 13.91	-03 04 43.7	17.8	675
1991 RG34		1991 09 12.26152	21 25 12.10	-03 05 05.2		675
1991 RH34	*	1991 09 12.20822	21 26 44.30	-02 24 05.7	17.2	675
1991 RH34		1991 09 12.26152	21 26 43.96	-02 24 46.0		675
1991 RJ34	*	1991 09 12.20822	21 27 09.22	-04 44 53.9	17.5	675
1991 RJ34		1991 09 12.26152	21 27 07.85	-04 45 32.7		675
1991 RK34	*	1991 09 12.20822	21 28 25.36	-03 09 37.1	18.2	675
1991 RK34		1991 09 12.26152	21 28 23.40	-03 09 37.4		675
1991 RL34	*	1991 09 12.20822	21 35 13.45	-00 35 03.7	17.5	675
1991 RL34		1991 09 12.26152	21 35 11.55	-00 35 42.6		675
1991 RM34	*	1991 09 12.20822	21 39 49.66	-01 50 51.0	17.8	675
1991 RM34		1991 09 12.26152	21 39 47.57	-01 51 02.9		675
1991 RN34	*	1991 09 12.20822	21 42 59.25	-03 20 56.8	17.8	675
1991 RN34		1991 09 12.26152	21 42 57.77	-03 21 37.5		675
1991 RO34	*	1991 09 12.27431	22 05 41.64	-13 05 35.8	17.0	675
1991 RO34		1991 09 12.31458	22 05 40.08	-13 05 42.3		675
1991 RP34	*	1991 09 12.27431	22 06 00.62	-08 30 38.5	18.0	675
1991 RP34		1991 09 12.31458	22 05 59.01	-08 30 51.8		675
1991 RQ34	*	1991 09 12.27431	22 10 50.70	-08 06 58.9	17.8	675
1991 RQ34		1991 09 12.31458	22 10 48.53	-08 07 11.1		675
1991 RR34	*	1991 09 12.27431	22 16 31.54	-10 39 41.4	18.0	675

1991 RR34		1991 09 12.31458	22 16 29.32	-10 39 55.7			675
1991 RS34	*	1991 09 12.27431	22 17 22.98	-08 44 16.1	18.0		675
1991 RS34		1991 09 12.31458	22 17 20.63	-08 44 13.4			675
1991 RT34	*	1991 09 12.27431	22 17 39.00	-09 49 27.7			675
1991 RT34		1991 09 12.31458	22 17 36.82	-09 49 28.3	17.5		675
1991 RU34	*	1991 09 12.27431	22 18 32.35	-08 47 06.9	18.2		675
1991 RU34		1991 09 12.31458	22 18 30.52	-08 47 22.6	17.8		675
1991 RV34	*	1991 09 12.27431	22 23 34.79	-12 44 05.4	17.8		675
1991 RV34		1991 09 12.31458	22 23 32.72	-12 44 10.5			675
1991 RW34	*	1991 09 12.27431	22 23 50.39	-08 48 21.7	17.5		675
1991 RW34		1991 09 12.31458	22 23 48.38	-08 48 28.6			675
1991 RX34	*	1991 09 12.28472	22 09 46.87	+00 43 35.9	17.8		675
1991 RX34		1991 09 12.32465	22 09 44.88	+00 43 26.9	18.5		675
1991 RY34	*	1991 09 12.28472	22 19 28.97	+04 13 56.8	17.8		675
1991 RY34		1991 09 12.32465	22 19 26.76	+04 13 50.1			675
1991 RZ34	*	1991 09 12.28472	22 28 27.82	+02 04 23.8	16.8		675
1991 RZ34		1991 09 12.32465	22 28 26.20	+02 04 06.7			675
1991 RA35	*	1991 09 12.28472	22 29 23.17	-02 21 21.3	17.5		675
1991 RA35		1991 09 12.32465	22 29 19.98	-02 21 29.0			675
1991 RB35	*	1991 09 12.28472	22 33 30.99	-00 06 07.6	17.8		675
1991 RB35		1991 09 12.32465	22 33 29.04	-00 06 28.1	17.2		675
1991 RC35	*	1991 09 12.30469	23 09 38.13	-11 00 08.1	17.5		675
1991 RC35		1991 09 12.34618	23 09 36.40	-11 00 23.9			675
1991 RD35	*	1991 09 12.30469	23 09 50.30	-08 07 16.3	17.8		675
1991 RD35		1991 09 12.34618	23 09 47.74	-08 07 23.8			675
1991 RE35	*	1991 09 12.30469	23 18 52.09	-12 55 21.1	17.5		675
1991 RE35		1991 09 12.34618	23 18 49.47	-12 55 34.8			675
1991 RF35	*	1991 09 13.20573	20 47 29.41	-13 54 19.1	18.5		675
1991 RF35		1991 09 13.26619	20 47 27.65	-13 54 29.2			675
1991 RG35	*	1991 09 13.23385	20 57 40.66	-12 40 04.4			675
1991 RG35		1991 09 13.29080	20 57 40.12	-12 39 53.8			675
1991 RH35	*	1991 09 13.23385	21 01 29.34	-07 21 07.8			675
1991 RH35		1991 09 13.29080	21 01 28.28	-07 21 24.7			675
1991 RJ35	*	1991 09 13.31910	23 30 46.68	-01 07 38.5	18.0		675
1991 RJ35		1991 09 13.35712	23 30 44.80	-01 07 47.3			675
1991 RK35	*	1991 09 13.31910	23 39 40.90	-04 09 40.5	18.0		675
1991 RK35		1991 09 13.35712	23 39 38.51	-04 09 46.8			675
1991 RL35	*	1991 09 13.33733	00 53 35.27	-00 23 40.6	17.5		675
1991 RL35		1991 09 13.37378	00 53 33.60	-00 23 47.1			675
1991 RM35	*	1991 09 13.34861	01 32 13.83	+03 08 04.6	18.8		675
1991 RM35		1991 09 13.38333	01 32 13.07	+03 07 52.7			675
1991 RN35	*	1991 09 13.39444	00 17 01.78	+07 06 37.1			675
1991 RN35		1991 09 13.43212	00 16 59.96	+07 06 40.1	17.8		675
1991 RO35	*	1991 09 13.39444	00 18 08.45	+03 39 08.3	18.0		675
1991 RO35		1991 09 13.43212	00 18 06.16	+03 39 14.4			675
1991 RP35	*	1991 09 13.40370	01 01 02.87	+15 08 36.2	18.8		675
1991 RP35		1991 09 13.46267	01 01 01.51	+15 08 23.6			675
1991 RQ35	*	1991 09 13.44965	01 52 23.36	+12 04 18.0			675
1991 RQ35		1991 09 13.48941	01 52 22.12	+12 04 17.9			675
1991 RR35	*	1991 09 14.22390	20 43 55.78	-13 16 42.3	17.5		675
1991 RR35		1991 09 14.26053	20 43 55.79	-13 16 47.7			675
1991 RS35	*	1991 09 14.22390	20 55 07.60	-06 57 36.5	18.2		675
1991 RS35		1991 09 14.26053	20 55 06.79	-06 57 43.4			675
1991 RT35	*	1991 09 14.28889	22 04 32.22	-04 41 22.1	18.5		675
1991 RT35		1991 09 14.33438	22 04 29.67	-04 41 28.7	18.0		675
1991 RU35	*	1991 09 14.28889	22 07 15.56	-02 51 32.3	18.0		675
1991 RU35		1991 09 14.33438	22 07 13.36	-02 51 37.4			675
1991 RV35	*	1991 09 14.28889	22 10 29.73	-02 27 17.6	17.2		675
1991 RV35		1991 09 14.33438	22 10 27.72	-02 27 28.1			675

1991 RW35	*	1991 09 14.28889	22 25 40.00	-06 01 53.3	17.8	675
1991 RW35		1991 09 14.33438	22 25 37.47	-06 01 55.8	18.0	675
1991 RX35	*	1991 09 14.28889	22 26 18.98	-02 45 24.4	18.5	675
1991 RX35		1991 09 14.33438	22 26 17.35	-02 45 45.8	18.0	675
1991 RY35	*	1991 09 14.28889	22 30 32.09	-03 16 02.6	17.8	675
1991 RY35		1991 09 14.33438	22 30 30.60	-03 16 33.5		675
1991 RA36	*	1991 09 14.30590	22 24 26.14	-14 52 35.7	17.0	675
1991 RA36		1991 09 14.35660	22 24 23.96	-14 52 46.2		675
1991 RB36	*	1991 09 14.30590	22 27 39.38	-16 36 14.2	18.0	675
1991 RB36		1991 09 14.35660	22 27 36.56	-16 36 18.5		675
1991 RC36		1991 09 14.29740	22 31 19.05	-16 32 22.5	17.0	675
1991 RC36	*	1991 09 14.30590	22 31 18.51	-16 32 21.1	17.2	675
1991 RC36		1991 09 14.34705	22 31 15.96	-16 32 19.8		675
1991 RC36		1991 09 14.35660	22 31 15.44	-16 32 18.0		675
1991 RD36	*	1991 09 14.30590	22 34 57.24	-14 57 09.0	17.5	675
1991 RD36		1991 09 14.35660	22 34 55.07	-14 57 22.0		675
1991 RE36	*	1991 09 14.30590	22 39 53.36	-15 55 50.8	17.2	675
1991 RE36		1991 09 14.35660	22 39 51.17	-15 56 14.4		675
1991 RF36	*	1991 09 14.30590	22 45 25.49	-12 48 23.7	18.0	675
1991 RF36		1991 09 14.35660	22 45 23.22	-12 48 36.8	17.2	675
1991 RG36	*	1991 09 14.30590	22 45 42.99	-16 17 03.7	17.5	675
1991 RG36		1991 09 14.35660	22 45 39.78	-16 16 57.3		675
1991 RH36	*	1991 09 14.30590	22 50 44.39	-15 21 44.4	17.8	675
1991 RH36		1991 09 14.35660	22 50 41.99	-15 22 10.2		675
1991 RJ36	*	1991 09 14.38368	23 45 10.86	+04 30 49.3	18.2	675
1991 RJ36		1991 09 14.43767	23 45 08.43	+04 30 36.3		675
1991 RK36	*	1991 09 14.38368	23 45 36.06	+03 09 35.2	17.8	675
1991 RK36		1991 09 14.43767	23 45 33.25	+03 09 28.7		675
1991 RL36	*	1991 09 14.38368	23 46 56.06	+04 55 29.5	17.8	675
1991 RL36		1991 09 14.43767	23 46 53.44	+04 54 54.9		675
1991 RM36	*	1991 09 14.41091	00 49 02.93	+02 46 34.4	18.5	675
1991 RM36		1991 09 14.46302	00 49 00.87	+02 46 26.4		675
1991 RN36	*	1991 09 14.41973	01 19 19.96	+05 19 48.3	18.5	675
1991 RN36		1991 09 14.47101	01 19 18.07	+05 19 42.4		675
1991 RO36	*	1991 09 14.41973	01 22 08.42	+03 22 51.2	18.5	675
1991 RO36		1991 09 14.47101	01 22 06.68	+03 22 42.8		675
1991 RP36	*	1991 09 14.42865	01 12 54.57	+15 40 34.3	18.2	675
1991 RP36		1991 09 14.47951	01 12 52.77	+15 40 27.4		675
1991 RQ36	*	1991 09 14.42865	01 15 07.90	+12 58 14.1	18.5	675
1991 RQ36		1991 09 14.47951	01 15 06.68	+12 58 04.9		675
1991 RR36	*	1991 09 14.42865	01 16 47.95	+14 02 46.9	17.8	675
1991 RR36		1991 09 14.47951	01 16 46.69	+14 02 30.5		675
1991 RS36	*	1991 09 14.42865	01 18 05.22	+17 10 28.7	18.5	675
1991 RS36		1991 09 14.47951	01 18 03.09	+17 10 23.1		675
1991 RT36	*	1991 09 14.42865	01 19 49.00	+13 00 55.4	18.2	675
1991 RT36		1991 09 14.47951	01 19 47.72	+13 00 42.1		675
1991 RU36	*	1991 09 14.42865	01 24 52.04	+13 14 04.1	18.5	675
1991 RU36		1991 09 14.47951	01 24 50.38	+13 13 56.9		675
1991 RV36	*	1991 09 14.42865	01 27 23.06	+18 18 50.5	18.5	675
1991 RV36		1991 09 14.47951	01 27 21.82	+18 18 39.8		675
1991 RW36	*	1991 09 14.42865	01 28 44.06	+13 06 48.5	18.5	675
1991 RW36		1991 09 14.47951	01 28 42.57	+13 06 54.8		675
1991 RX36	*	1991 09 14.42865	01 37 13.14	+18 05 55.2	18.8	675
1991 RX36		1991 09 14.47951	01 37 12.63	+18 06 01.9	18.2	675
1991 RY36	*	1991 09 14.48802	02 27 04.20	+08 43 16.7	18.5	675
1991 RY36		1991 09 14.51262	02 27 04.43	+08 43 06.8		675
1991 RZ36	*	1991 09 15.25035	21 24 35.30	-28 41 39.4	17.8	675
1991 RZ36		1991 09 15.29619	21 24 34.24	-28 41 37.8		675
1991 RA37	*	1991 09 15.25035	21 30 26.63	-23 06 11.6	18.5	675

1991 RA37		1991 09 15.29619	21 30 25.32	-23 06 19.2		675
1991 RB37	*	1991 09 15.25035	21 38 30.39	-22 54 14.1	17.8	675
1991 RB37		1991 09 15.29619	21 38 28.68	-22 54 04.4		675
1991 RC37	*	1991 09 15.25035	21 45 30.15	-26 04 23.5	18.2	675
1991 RC37		1991 09 15.29619	21 45 27.87	-26 04 17.2		675
1991 RD37	*	1991 09 15.25035	21 50 15.13	-23 50 28.6	17.5	675
1991 RD37		1991 09 15.29619	21 50 13.47	-23 50 30.5		675
1991 RE37	*	1991 09 15.26962	21 51 01.03	-19 17 43.3	16.5	675
1991 RE37		1991 09 15.32083	21 50 59.66	-19 17 47.9		675
1991 RF37	*	1991 09 15.26962	21 56 49.66	-17 13 03.6		675
1991 RF37		1991 09 15.32083	21 56 47.77	-17 13 08.6	17.5	675
1991 RG37	*	1991 09 15.26962	21 57 17.38	-17 17 05.6		675
1991 RG37		1991 09 15.32083	21 57 15.82	-17 17 10.3	18.2	675
1991 RH37	*	1991 09 15.26962	21 59 53.17	-19 17 37.8	18.5	675
1991 RH37		1991 09 15.32083	21 59 50.85	-19 17 53.2		675
1991 RJ37	*	1991 09 15.26962	22 06 15.91	-16 01 11.3		675
1991 RJ37		1991 09 15.32083	22 06 14.13	-16 01 07.5	17.8	675
1991 RK37	*	1991 09 15.26962	22 06 31.19	-16 25 48.0		675
1991 RK37		1991 09 15.32083	22 06 29.37	-16 25 51.1	17.8	675
1991 RL37	*	1991 09 15.26962	22 08 07.64	-15 48 18.7		675
1991 RL37		1991 09 15.32083	22 08 05.05	-15 48 37.9	17.5	675
1991 RM37	*	1991 09 15.26962	22 08 21.57	-16 30 01.3		675
1991 RM37		1991 09 15.32083	22 08 19.13	-16 29 55.7	17.2	675
1991 RN37	*	1991 09 15.26962	22 08 42.66	-16 46 53.7		675
1991 RN37		1991 09 15.32083	22 08 40.14	-16 47 07.4	18.0	675
1991 RO37	*	1991 09 15.26962	22 10 11.62	-16 30 32.1		675
1991 RO37		1991 09 15.32083	22 10 09.28	-16 30 44.7	18.0	675
1991 RP37	*	1991 09 15.26962	22 14 17.18	-17 23 12.2	18.2	675
1991 RP37		1991 09 15.32083	22 14 14.66	-17 23 23.8		675
1991 RQ37	*	1991 09 15.26962	22 16 53.48	-17 20 11.7	18.0	675
1991 RQ37		1991 09 15.32083	22 16 51.21	-17 20 26.9		675
1991 RR37	*	1991 09 15.26962	22 21 18.47	-17 03 04.6	17.2	675
1991 RR37		1991 09 15.32083	22 21 16.21	-17 03 14.2	17.5	675
1991 RS37	*	1991 09 15.34132	23 13 13.19	+05 09 09.4		675
1991 RS37		1991 09 15.38056	23 13 10.92	+05 09 00.0	17.5	675
1991 RT37	*	1991 09 15.34132	23 16 45.65	+04 52 01.4	18.2	675
1991 RT37		1991 09 15.38056	23 16 44.19	+04 51 26.6		675
1991 RU37	*	1991 09 15.36128	00 07 26.78	+02 38 02.0	18.5	675
1991 RU37		1991 09 15.39861	00 07 25.38	+02 37 44.7		675
1991 RV37	*	1991 09 15.36128	00 08 41.69	+01 16 23.1	17.8	675
1991 RV37		1991 09 15.39861	00 08 40.05	+01 16 01.4		675
1991 RW37	*	1991 09 15.36128	00 11 03.30	+01 38 30.6	19.0	675
1991 RW37		1991 09 15.39861	00 11 01.86	+01 38 13.2		675
1991 RX37	*	1991 09 15.36128	00 15 16.00	+00 41 31.1	19.0	675
1991 RX37		1991 09 15.39861	00 15 14.39	+00 41 22.1		675
1991 RY37	*	1991 09 15.36128	23 57 50.45	-03 21 19.1		675
1991 RY37		1991 09 15.39861	23 57 48.74	-03 21 29.8	19.2	675
1991 RZ37	*	1991 09 15.37153	00 05 12.19	+03 22 35.2		675
1991 RZ37		1991 09 15.40851	00 05 10.63	+03 22 14.4		675
1991 RA38	*	1991 09 15.37153	00 15 26.95	+06 59 15.1	17.8	675
1991 RA38		1991 09 15.40851	00 15 25.05	+06 59 06.0		675
1991 RB38	*	1991 09 15.41753	00 19 22.01	-01 46 38.6	18.0	675
1991 RB38		1991 09 15.46424	00 19 20.20	-01 47 09.2		675
1991 RC38	*	1991 09 15.41753	00 26 14.61	-05 28 24.6	17.8	675
1991 RC38		1991 09 15.46424	00 26 13.12	-05 29 08.7		675
1991 RD38	*	1991 09 15.41753	00 33 25.02	-03 06 52.3		675
1991 RD38		1991 09 15.46424	00 33 22.57	-03 06 53.6		675
1991 RE38	*	1991 09 15.42644	00 58 59.24	+14 52 59.1	18.2	675
1991 RE38		1991 09 15.47448	00 58 57.06	+14 52 55.6		675

1991 RF38	*	1991 09 15.43576	01 16 19.67	-01 02 09.2	17.8	675
1991 RF38		1991 09 15.48368	01 16 18.19	-01 02 38.5		675
1991 RG38	*	1991 09 15.44514	01 31 18.50	+02 55 39.7	18.5	675
1991 RG38		1991 09 15.49358	01 31 16.54	+02 55 26.9		675
1991 RH38	*	1991 09 15.44514	01 43 58.86	+00 27 50.4	18.2	675
1991 RH38		1991 09 15.49358	01 43 57.50	+00 27 34.2		675
1991 RJ38	*	1991 09 15.44514	01 47 34.81	+05 58 36.2	18.8	675
1991 RJ38		1991 09 15.49358	01 47 33.04	+05 58 26.5		675
1991 RK38	*	1991 09 08.09259	20 45 03.87	-32 36 03.9		808
1991 RL38	*	1991 09 08.09259	20 54 06.89	-33 01 05.7		808
1991 RM38	*	1991 09 12.10966	22 46 59.77	-10 40 04.1		808
1991 RM38		1991 09 12.14567	22 46 58.28	-10 40 25.2		808
1991 RN38	*	1991 09 12.10966	22 49 14.40	-11 11 34.5		808
1991 RN38		1991 09 12.14567	22 49 12.42	-11 11 47.7		808
1991 RO38	*	1991 09 12.10966	22 51 55.74	-10 35 34.1		808
1991 RO38		1991 09 12.14567	22 51 54.16	-10 35 48.2		808
1991 RP38	*	1991 09 12.10966	22 53 13.15	-10 07 43.6		808
1991 RP38		1991 09 12.14567	22 53 11.75	-10 07 58.7		808
1991 RQ38	*	1991 09 12.10966	22 55 22.68	-11 06 36.0		808
1991 RQ38		1991 09 12.14567	22 55 21.09	-11 06 49.8		808
1991 RR38	*	1991 09 04.02361	20 27 50.08	-23 38 49.7	19.6	809
1991 RR38		1991 09 04.03681	20 27 49.53	-23 38 46.6		809
1991 RR38		1991 09 04.05000	20 27 48.97	-23 38 44.9		809
1991 RS38	*	1991 09 04.02361	20 34 59.62	-22 01 18.2	19.6	809
1991 RS38		1991 09 04.03681	20 34 58.87	-22 01 16.3		809
1991 RS38		1991 09 04.05000	20 34 58.15	-22 01 14.8		809
1991 RT38	*	1991 09 04.02361	20 36 18.01	-23 32 13.9	18.9	809
1991 RT38		1991 09 04.03681	20 36 17.50	-23 32 12.2		809
1991 RT38		1991 09 04.05000	20 36 16.78	-23 32 08.6		809
1991 RU38	*	1991 09 04.02361	20 40 18.75	-21 36 48.9	19.0	809
1991 RU38		1991 09 04.03681	20 40 17.97	-21 36 49.1		809
1991 RU38		1991 09 04.05000	20 40 17.13	-21 36 49.1		809
1991 RV38	*	1991 09 04.02361	20 41 14.67	-23 00 38.7	19.7	809
1991 RV38		1991 09 04.03681	20 41 14.43	-23 00 33.9		809
1991 RV38		1991 09 04.05000	20 41 14.22	-23 00 29.9		809
1991 RW38	*	1991 09 04.02361	20 44 09.61	-23 24 34.6	19.6	809
1991 RW38		1991 09 04.03681	20 44 09.18	-23 24 34.2		809
1991 RW38		1991 09 04.05000	20 44 08.70	-23 24 33.7		809
1991 RX38	*	1991 09 04.02361	20 45 02.05	-21 21 02.6	19.4	809
1991 RX38		1991 09 04.03681	20 45 01.25	-21 21 00.7		809
1991 RX38		1991 09 04.05000	20 45 00.60	-21 21 00.3		809
1991 RY38	*	1991 09 04.02361	20 48 15.50	-20 49 33.8	19.5	809
1991 RY38		1991 09 04.03681	20 48 14.93	-20 49 35.8		809
1991 RY38		1991 09 04.05000	20 48 14.47	-20 49 36.7		809
1991 RZ38	*	1991 09 04.06875	21 00 11.67	-19 07 49.4	18.8	809
1991 RZ38		1991 09 04.08194	21 00 11.24	-19 07 51.0		809
1991 RZ38		1991 09 04.09514	21 00 10.76	-19 07 53.1		809
1991 RA39	*	1991 09 04.06875	21 07 30.71	-16 44 08.4		809
1991 RA39		1991 09 04.08194	21 07 30.11	-16 44 08.7		809
1991 RA39		1991 09 04.09514	21 07 29.37	-16 44 09.5		809
1991 RB39	*	1991 09 05.08403	20 32 38.59	-21 27 56.6		809
1991 RB39		1991 09 05.09722	20 32 37.94	-21 27 58.1		809
1991 RB39		1991 09 05.11042	20 32 37.54	-21 27 58.7		809
1991 RC39	*	1991 09 05.12847	20 55 33.71	-15 49 19.9		809
1991 RC39		1991 09 05.14167	20 55 33.04	-15 49 21.3		809
1991 RC39		1991 09 05.15486	20 55 32.32	-15 49 22.5		809
1991 RD39	*	1991 09 06.01667	20 27 24.40	-21 46 40.7	18.4	809
1991 RD39		1991 09 06.02986	20 27 24.10	-21 46 40.2		809
1991 RD39		1991 09 06.04306	20 27 23.76	-21 46 38.7		809

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1991 RE39	*	1991 09 06.01667	20 28 51.80	-22 21 39.9	19.0	809
1991 RE39		1991 09 06.02986	20 28 51.18	-22 21 46.5		809
1991 RE39		1991 09 06.04306	20 28 50.84	-22 21 51.8		809
1991 RF39	*	1991 09 06.01667	20 29 05.75	-22 26 10.1	19.0	809
1991 RF39		1991 09 06.02986	20 29 05.18	-22 26 16.3		809
1991 RF39		1991 09 06.04306	20 29 04.74	-22 26 22.1		809
1991 RG39	*	1991 09 06.01667	20 32 01.78	-19 42 19.6	19.0	809
1991 RG39		1991 09 06.02986	20 32 00.15	-19 42 33.8		809
1991 RG39		1991 09 06.04306	20 31 58.93	-19 42 43.8		809
1991 RH39	*	1991 09 06.01667	20 32 14.77	-21 29 40.6	18.7	809
1991 RH39		1991 09 06.02986	20 32 13.94	-21 29 43.2		809
1991 RH39		1991 09 06.04306	20 32 13.26	-21 29 45.6		809
1991 RJ39	*	1991 09 06.01667	20 32 49.01	-22 21 36.4	19.3	809
1991 RJ39		1991 09 06.02986	20 32 48.33	-22 21 35.6		809
1991 RJ39		1991 09 06.04306	20 32 47.54	-22 21 38.4		809
1991 RK39	*	1991 09 06.01667	20 34 38.35	-23 09 32.0	19.4	809
1991 RK39		1991 09 06.02986	20 34 37.85	-23 09 33.7		809
1991 RK39		1991 09 06.04306	20 34 37.49	-23 09 35.3		809
1991 RL39	*	1991 09 06.01667	20 37 40.81	-22 46 27.3	19.0	809
1991 RL39		1991 09 06.02986	20 37 40.40	-22 46 31.2		809
1991 RL39		1991 09 06.04306	20 37 40.07	-22 46 34.8		809
1991 RM39	*	1991 09 06.01667	20 39 48.17	-22 08 35.6	19.2	809
1991 RM39		1991 09 06.02986	20 39 47.73	-22 08 37.4		809
1991 RM39		1991 09 06.04306	20 39 47.15	-22 08 37.3		809
1991 RN39	*	1991 09 06.06389	20 51 06.79	-17 21 54.6	19.0	809
1991 RN39		1991 09 06.07708	20 51 06.06	-17 21 55.1		809
1991 RN39		1991 09 06.09028	20 51 05.33	-17 21 57.0		809
1991 RO39	*	1991 09 06.06389	20 52 16.12	-17 24 19.0	19.7	809
1991 RO39		1991 09 06.07708	20 52 15.54	-17 24 20.1		809
1991 RO39		1991 09 06.09028	20 52 14.99	-17 24 20.7		809
1991 RP39	*	1991 09 06.06389	20 55 40.47	-19 15 34.7	19.5	809
1991 RP39		1991 09 06.07708	20 55 39.94	-19 15 35.2		809
1991 RP39		1991 09 06.09028	20 55 39.44	-19 15 35.1		809
1991 RQ39	*	1991 09 06.06389	21 00 52.75	-19 14 01.9	18.6	809
1991 RQ39		1991 09 06.07708	21 00 52.35	-19 14 04.0		809
1991 RQ39		1991 09 06.09028	21 00 51.79	-19 14 06.2		809
1991 RR39	*	1991 09 06.06389	21 06 10.74	-17 52 25.5	19.3	809
1991 RR39		1991 09 06.07708	21 06 10.16	-17 52 24.7		809
1991 RR39		1991 09 06.09028	21 06 09.51	-17 52 23.6		809
1991 RS39	*	1991 09 06.06389	21 06 59.94	-17 52 44.4	20.0	809
1991 RS39		1991 09 06.07708	21 06 59.41	-17 52 41.4		809
1991 RS39		1991 09 06.09028	21 06 58.95	-17 52 39.5		809
1991 RT39	*	1991 09 06.10833	21 20 53.81	-18 34 21.8	18.5	809
1991 RT39		1991 09 06.12153	21 20 53.28	-18 34 25.6		809
1991 RT39		1991 09 06.13472	21 20 52.79	-18 34 29.3		809
1991 RU39	*	1991 09 06.10833	21 21 46.47	-18 12 52.3	19.6	809
1991 RU39		1991 09 06.12153	21 21 45.99	-18 12 52.0		809
1991 RU39		1991 09 06.13472	21 21 45.60	-18 12 51.1		809
1991 RV39	*	1991 09 06.10833	21 24 17.49	-17 01 32.9	18.8	809
1991 RV39		1991 09 06.12153	21 24 17.11	-17 01 36.3		809
1991 RV39		1991 09 06.13472	21 24 16.73	-17 01 41.0		809
1991 RW39	*	1991 09 06.10833	21 25 57.34	-19 49 10.5	18.7	809
1991 RW39		1991 09 06.12153	21 25 56.76	-19 49 13.2		809
1991 RW39		1991 09 06.13472	21 25 56.26	-19 49 16.2		809
1991 RX39	*	1991 09 06.10833	21 27 32.56	-18 57 47.6	18.7	809
1991 RX39		1991 09 06.12153	21 27 31.95	-18 57 51.6		809
1991 RX39		1991 09 06.13472	21 27 31.35	-18 57 53.5		809
1991 RY39	*	1991 09 06.10833	21 31 29.45	-18 49 46.8	18.7	809
1991 RY39		1991 09 06.12153	21 31 28.84	-18 49 46.5		809

1991 RY39		1991 09 06.13472	21 31 28.20	-18 49 44.2		809
1991 RZ39	*	1991 09 06.10833	21 32 34.06	-18 19 05.5	19.4	809
1991 RZ39		1991 09 06.12153	21 32 33.31	-18 19 02.6		809
1991 RZ39		1991 09 06.13472	21 32 32.59	-18 19 00.0		809
1991 RA40	*	1991 09 06.10833	21 33 44.58	-19 07 00.9	19.4	809
1991 RA40		1991 09 06.12153	21 33 43.76	-19 07 02.7		809
1991 RA40		1991 09 06.13472	21 33 43.07	-19 07 04.7		809
1991 RB40	*	1991 09 06.10833	21 36 09.95	-16 20 31.5	19.5	809
1991 RB40		1991 09 06.12153	21 36 09.31	-16 20 35.5		809
1991 RB40		1991 09 06.13472	21 36 08.78	-16 20 39.3		809
1991 RC40	*	1991 09 06.10833	21 36 12.83	-19 34 22.9	19.3	809
1991 RC40		1991 09 06.12153	21 36 12.17	-19 34 24.3		809
1991 RC40		1991 09 06.13472	21 36 11.60	-19 34 26.0		809
1991 RD40	*	1991 09 06.10833	21 42 57.68	-17 59 57.5	19.7	809
1991 RD40		1991 09 06.12153	21 42 56.93	-17 59 53.9		809
1991 RD40		1991 09 06.13472	21 42 56.16	-17 59 51.9		809
1991 RE40	*	1991 09 07.00972	20 28 55.61	-20 51 24.1		809
1991 RE40		1991 09 07.02292	20 28 55.08	-20 51 21.6		809
1991 RE40		1991 09 07.03611	20 28 54.58	-20 51 17.7		809
1991 RF40	*	1991 09 07.00972	20 30 06.64	-22 16 47.0	19.5	809
1991 RF40		1991 09 07.02292	20 30 06.19	-22 16 43.2		809
1991 RF40		1991 09 07.03611	20 30 05.80	-22 16 38.7		809
1991 RG40	*	1991 09 07.00972	20 31 19.80	-23 35 12.1	20.0	809
1991 RG40		1991 09 07.02292	20 31 19.40	-23 35 12.2		809
1991 RG40		1991 09 07.03611	20 31 19.00	-23 35 11.3		809
1991 RH40	*	1991 09 07.00972	20 36 29.89	-21 48 05.4		809
1991 RH40		1991 09 07.02292	20 36 29.29	-21 47 59.3		809
1991 RH40		1991 09 07.03611	20 36 28.49	-21 47 50.7		809
1991 RJ40	*	1991 09 07.00972	20 39 44.32	-20 19 08.1		809
1991 RJ40		1991 09 07.02292	20 39 43.79	-20 19 10.1		809
1991 RJ40		1991 09 07.03611	20 39 43.40	-20 19 11.7		809
1991 RK40	*	1991 09 07.00972	20 41 36.73	-24 16 47.6	19.6	809
1991 RK40		1991 09 07.02292	20 41 36.43	-24 16 51.2		809
1991 RK40		1991 09 07.03611	20 41 35.98	-24 16 56.2		809
1991 RL40	*	1991 09 07.00972	20 42 59.62	-19 42 17.5	19.3	809
1991 RL40		1991 09 07.02292	20 42 59.02	-19 42 22.7		809
1991 RL40		1991 09 07.03611	20 42 58.52	-19 42 27.4		809
1991 RM40	*	1991 09 07.00972	20 45 15.21	-23 43 06.0		809
1991 RM40		1991 09 07.02292	20 45 14.64	-23 43 05.7		809
1991 RM40		1991 09 07.03611	20 45 14.15	-23 43 01.3		809
1991 RN40	*	1991 09 07.10069	21 24 28.01	-18 09 25.7		809
1991 RN40		1991 09 07.11389	21 24 27.41	-18 09 29.9		809
1991 RN40		1991 09 07.12708	21 24 26.98	-18 09 33.9		809
1991 RO40	*	1991 09 07.10069	21 24 46.27	-15 57 55.3		809
1991 RO40		1991 09 07.11389	21 24 45.76	-15 58 00.5		809
1991 RO40		1991 09 07.12708	21 24 45.21	-15 58 06.0		809
1991 RP40	*	1991 09 07.10069	21 30 46.44	-18 28 30.9		809
1991 RP40		1991 09 07.11389	21 30 45.69	-18 28 30.6		809
1991 RP40		1991 09 07.12708	21 30 44.84	-18 28 30.2		809
1991 RQ40	*	1991 09 07.10069	21 33 11.98	-18 17 53.3		809
1991 RQ40		1991 09 07.11389	21 33 11.38	-18 17 57.1		809
1991 RQ40		1991 09 07.12708	21 33 10.88	-18 17 57.9		809
1991 SD4	*	1991 09 19.72013	03 49 18.16	+28 05 15.0	18	372
1991 SD4		1991 09 19.73471	03 49 18.64	+28 05 25.8		372
1991 SE4	*	1991 09 20.79757	08 26 20.72	+20 16 14.0	18	372
1991 SE4		1991 09 20.80382	08 26 22.75	+20 16 13.7		372
1991 SF4	*	1991 09 16.27778	21 58 12.39	-23 13 23.6	16.8	675
1991 SF4		1991 09 16.32500	21 58 10.28	-23 13 01.7		675
1991 SG4	*	1991 09 16.27778	22 01 15.55	-20 12 14.8	18.0	675

1991 SG4		1991 09 16.32500	22 01 13.60	-20 12 20.0		675
1991 SH4	*	1991 09 16.27778	22 13 28.68	-23 51 27.8	17.5	675
1991 SH4		1991 09 16.32500	22 13 26.86	-23 51 30.6		675
1991 SJ4	*	1991 09 16.27778	22 21 02.96	-23 38 39.8	17.0	675
1991 SJ4		1991 09 16.32500	22 20 59.90	-23 38 13.3		675
1991 SK4	*	1991 09 16.27778	22 24 12.73	-26 07 21.9	17.5	675
1991 SK4		1991 09 16.32500	22 24 11.13	-26 07 14.2		675
1991 SL4	*	1991 09 16.28715	22 49 51.43	-05 41 01.4	17.5	675
1991 SL4		1991 09 16.30035	22 49 50.72	-05 41 00.0	17.2	675
1991 SL4		1991 09 16.33368	22 49 48.84	-05 41 02.8	18.2	675
1991 SL4		1991 09 16.34583	22 49 48.19	-05 41 02.1	17.8	675
1991 SM4	*	1991 09 16.30035	22 37 51.74	-02 52 21.5	17.5	675
1991 SM4		1991 09 16.34583	22 37 50.16	-02 52 34.9		675
1991 SN4	*	1991 09 16.37674	23 29 25.50	+00 46 04.5	18.0	675
1991 SN4		1991 09 16.41684	23 29 23.37	+00 46 05.7		675
1991 SO4	*	1991 09 16.37674	23 37 48.80	-04 05 13.5	18.0	675
1991 SO4		1991 09 16.41684	23 37 46.70	-04 05 17.6		675
1991 SP4	*	1991 09 16.44878	01 37 42.38	-00 57 26.1	18.2	675
1991 SP4		1991 09 16.48472	01 37 41.00	-00 57 35.4		675
1991 SQ4	*	1991 09 16.44878	01 40 44.15	-04 08 50.9	17.5	675
1991 SQ4		1991 09 16.48472	01 40 43.15	-04 09 42.6		675
1991 SR4	*	1991 09 16.46272	01 16 28.05	+08 26 14.4		675
1991 SR4		1991 09 16.49449	01 16 26.80	+08 26 04.8	19.0	675
1991 SS4	*	1991 09 17.34861	23 43 38.32	+04 23 13.8	17.8	675
1991 SS4		1991 09 17.38229	23 43 36.19	+04 23 14.0		675
1991 ST4	*	1991 09 17.34861	23 45 10.36	+04 25 16.4	18.2	675
1991 ST4		1991 09 17.38229	23 45 08.78	+04 24 58.5		675
1991 SU4	*	1991 09 17.34861	23 45 45.37	+08 51 05.3	17.2	675
1991 SU4		1991 09 17.38229	23 45 43.06	+08 51 08.6		675
1991 SV4	*	1991 09 17.34861	23 46 28.58	+00 52 46.6	17.5	675
1991 SV4		1991 09 17.38229	23 46 26.72	+00 52 40.4		675
1991 SW4	*	1991 09 17.34861	23 48 00.15	+08 19 03.0	17.5	675
1991 SW4		1991 09 17.38229	23 47 58.57	+08 18 43.1		675
1991 SX4	*	1991 09 17.36064	00 14 53.42	-04 37 38.1	18.5	675
1991 SX4		1991 09 17.39479	00 14 51.47	-04 37 54.1		675
1991 SY4	*	1991 09 17.36064	00 15 33.47	-03 44 18.7	18.0	675
1991 SY4		1991 09 17.39479	00 15 32.19	-03 44 31.8		675
1991 SZ4	*	1991 09 17.36064	00 18 30.28	-01 59 37.2	18.0	675
1991 SZ4		1991 09 17.39479	00 18 28.82	-01 59 46.0		675
1991 SA5	*	1991 09 17.36064	00 25 01.13	-05 49 15.0	17.8	675
1991 SA5		1991 09 17.39479	00 24 59.62	-05 49 35.1		675
1991 SB5	*	1991 09 17.36064	00 29 29.10	-00 51 16.2	17.8	675
1991 SB5		1991 09 17.39479	00 29 27.20	-00 51 17.8		675
1991 SC5	*	1991 09 17.40885	00 10 15.52	+02 31 01.3		675
1991 SC5		1991 09 17.45938	00 10 12.75	+02 30 50.2	18.8	675
1991 SD5	*	1991 09 17.40885	00 27 33.20	+04 25 50.5		675
1991 SD5		1991 09 17.45938	00 27 31.05	+04 25 23.1	17.5	675
1991 SE5	*	1991 09 17.40885	00 27 44.76	+05 38 11.5		675
1991 SE5		1991 09 17.45938	00 27 42.50	+05 37 47.2	16.8	675
1991 SF5	*	1991 09 17.40885	00 29 04.57	+03 05 52.0		675
1991 SF5		1991 09 17.45938	00 29 01.89	+03 05 35.5	17.8	675
1991 SG5	*	1991 09 17.40885	00 29 35.65	+01 10 25.6		675
1991 SG5		1991 09 17.45938	00 29 33.68	+01 09 50.1	17.8	675
1991 SH5	*	1991 09 17.40885	00 34 27.90	+01 11 35.1		675
1991 SH5		1991 09 17.45938	00 34 24.92	+01 11 22.8	18.0	675
1991 SJ5	*	1991 09 17.40885	00 39 06.09	+00 26 38.2		675
1991 SJ5		1991 09 17.45938	00 39 04.05	+00 26 19.8	17.8	675
1991 SK5	*	1991 09 17.41823	01 00 19.94	-09 51 23.6	17.8	675
1991 SK5		1991 09 17.46997	01 00 17.72	-09 51 42.7		675

1991 SL5	*	1991 09 17.44479	00 20 14.82	+14 41 15.5			675
1991 SL5		1991 09 17.49497	00 20 11.46	+14 41 21.4	17.0		675
1991 TK12	*	1991 10 09.92361	00 23 13.25	+06 49 52.0	19.5		033
1991 TK12		1991 10 09.97153	00 23 11.67	+06 49 41.3			033
1991 TM12	*	1991 10 03.85428	00 52 20.65	+00 40 00.8			046
1991 TM12		1991 10 03.87002	00 52 19.87	+00 40 00.7			046
1991 TN12	*	1991 10 04.85625	00 46 01.26	+00 16 23.1			046
1991 TO12	*	1991 10 04.93750	01 04 27.33	+00 48 28.8	16.8		046
1991 TO12		1991 10 04.95162	01 04 26.75	+00 48 31.6			046
1991 TP12	*	1991 10 07.91204	01 41 50.00	+08 42 43.2	16.9		046
1991 TP12		1991 10 07.92616	01 41 49.07	+08 42 41.3			046
1991 TQ12	*	1991 10 07.91204	01 43 12.21	+08 33 17.5			046
1991 TQ12		1991 10 07.92616	01 43 11.32	+08 33 10.9			046
1991 TR12	*	1991 10 07.91204	01 49 55.89	+08 09 45.7	17.0		046
1991 TR12		1991 10 07.92616	01 49 55.02	+08 09 37.2			046
1991 TS12	*	1991 10 07.91204	01 50 45.54	+08 03 39.5	16.7		046
1991 TS12		1991 10 07.92616	01 50 44.68	+08 03 27.5			046
1991 TT12	*	1991 10 07.94774	01 58 11.27	+26 09 15.4	17.0		046
1991 TT12		1991 10 07.96192	01 58 10.37	+26 09 20.1			046
1991 TU12	*	1991 10 02.94676	00 56 47.17	+07 19 51.3			071
1991 TV12	*	1991 10 04.15963	00 00 19.42	+04 49 14.0			303
1991 TW12	*	1991 10 04.15963	00 04 33.58	+03 55 57.3			303
1991 TX12	*	1991 10 04.15963	23 54 11.69	+05 33 39.5			303
1991 TY12	*	1991 10 04.15963	23 54 48.39	+05 40 39.7			303
1991 TZ12	*	1991 10 05.17161	00 00 03.53	+04 54 21.0			303
1991 TA13	*	1991 10 05.17161	00 03 58.77	+04 08 15.4			303
1991 TB13	*	1991 10 05.17161	23 54 19.85	+05 31 05.8			303
1991 TC13	*	1991 10 05.17161	23 54 41.36	+05 35 35.7			303
1991 TD13	*	1991 10 05.51392	23 12 51.91	-08 20 09.7	17	V	413
1991 TD13		1991 10 05.55558	23 12 47.63	-08 19 13.2			413
1991 TE13	*	1991 10 12.56205	01 00 47.98	-27 37 34.6	17.5	V	413
1991 TE13		1991 10 12.61413	01 00 46.78	-27 38 37.0			413
1991 TF13	*	1991 10 12.65527	03 22 34.92	-01 33 07.6	17.5	V	413
1991 TG13	*	1991 10 12.65527	03 23 50.42	-00 17 32.7	17.5	V	413
1991 UP4	*	1991 10 17.78403	09 01 38.91	+18 22 32.8	18		372
1991 UQ4	*	1991 10 20.79514	09 15 39.60	+17 54 05.2	18		372
1991 UR4	*	1991 10 20.79514	09 18 19.77	+17 45 11.7	16.5		372
1991 US4	*	1991 10 20.79514	09 20 49.79	+17 33 57.7	18		372
1991 UT4	*	1991 10 18.66076	23 27 41.99	+07 11 19.9	16.5		399
1991 UT4		1991 10 18.67465	23 27 41.54	+07 11 18.7			399
1991 UU4	*	1991 10 18.69661	01 53 57.78	+13 39 10.0	17		399
1991 UU4		1991 10 18.71215	01 53 56.83	+13 39 09.4			399
1991 UV4	*	1991 10 31.51733	02 24 03.12	+22 00 23.5	17		399
1991 UV4		1991 10 31.53299	02 24 02.10	+22 00 17.6			399
1991 UW4	*	1991 10 31.51733	02 25 46.52	+20 19 07.5	17		399
1991 UW4		1991 10 31.53299	02 25 45.34	+20 19 01.5			399
1991 UX4	*	1991 10 31.51733	02 27 33.03	+19 52 25.8	17		399
1991 UX4		1991 10 31.53299	02 27 32.10	+19 52 22.7			399
1991 UY4	*	1991 10 31.51733	02 30 41.36	+20 27 29.0	16.5		399
1991 UY4		1991 10 31.53299	02 30 40.66	+20 27 24.7			399
1991 UZ4	*	1991 10 31.55208	02 29 39.79	+14 43 13.3	17		399
1991 UZ4		1991 10 31.56713	02 29 38.83	+14 43 07.7			399
1991 UA5	*	1991 10 31.65463	02 31 46.90	+10 45 59.5	17		399
1991 UA5		1991 10 31.67025	02 31 46.03	+10 45 55.9			399
1991 UB5	*	1991 10 31.65463	02 42 10.84	+09 48 28.7	17.5		399
1991 UB5		1991 10 31.67025	02 42 09.88	+09 48 23.8			399
1991 UC5	*	1991 10 31.65463	02 42 13.65	+09 51 00.2	17		399
1991 UC5		1991 10 31.67025	02 42 12.60	+09 51 00.1			399
1991 VA13	*	1991 11 10.97917	04 50 24.51	+25 46 05.4			033

1991 VA13		1991 11	11.02639	04 50	22.37	+25 46	07.1		033
1991 VB13	*	1991 11	07.50694	00 09	37.18	-80 37	37.6	12	323
1991 VB13		1991 11	07.52431	00 11	02.33	-80 34	01.6		323
1991 VC13	*	1991 11	10.57535	03 55	46.46	+20 07	53.2	17	364
1991 VC13		1991 11	10.58785	03 55	45.28	+20 08	05.9	17	364
1991 VD13	*	1991 11	03.75556	09 13	09.93	+18 00	17.1	18	372
1991 VD13		1991 11	03.76806	09 13	10.16	+18 00	15.4		372
1991 VE13	*	1991 11	03.75556	09 13	10.06	+18 09	17.1	18	372
1991 VE13		1991 11	03.76806	09 13	10.29	+18 09	15.4		372
1991 VF13	*	1991 11	15.63889	02 31	53.73	+28 56	52.3	17	372
1991 VF13		1991 11	15.64653	02 31	53.34	+28 56	50.9		372
1991 VG13	*	1991 11	15.63889	02 34	26.25	+28 41	57.6	16.5	372
1991 VG13		1991 11	15.64653	02 34	25.98	+28 41	54.3		372
1991 VH13	*	1991 11	15.66979	02 45	34.62	+29 59	23.8	17	372
1991 VH13		1991 11	15.67777	02 45	34.21	+29 59	24.5		372
1991 VJ13	*	1991 11	15.66979	02 46	45.71	+29 34	56.2	17	372
1991 VJ13		1991 11	15.67777	02 46	44.67	+29 35	02.1		372
1991 VK13	*	1991 11	15.74514	02 57	05.29	+30 06	47.8	18	372
1991 VK13		1991 11	15.75521	02 57	04.48	+30 06	45.7		372
1991 VL13	*	1991 11	04.50139	02 32	29.58	+22 12	19.9	17	399
1991 VL13		1991 11	04.51632	02 32	28.54	+22 12	10.2		399
1991 VM13	*	1991 11	04.50139	02 35	36.50	+21 42	45.0	17	399
1991 VM13		1991 11	04.51632	02 35	35.72	+21 42	40.2		399
1991 VN13	*	1991 11	04.53542	02 29	34.06	+11 46	09.6	17.5	399
1991 VN13		1991 11	04.55035	02 29	33.32	+11 46	03.0		399
1991 VO13	*	1991 11	04.60799	03 42	29.28	+13 56	07.7	17	399
1991 VO13		1991 11	04.62326	03 42	28.26	+13 56	01.4		399
1991 VP13	*	1991 11	04.60799	03 44	14.33	+16 17	28.9	17	399
1991 VP13		1991 11	04.62326	03 44	13.43	+16 17	28.7		399
1991 VQ13	*	1991 11	09.52778	02 26	16.91	+14 19	59.8	17	399
1991 VQ13		1991 11	09.54277	02 26	15.88	+14 20	01.9		399
1991 VR13	*	1991 11	11.49583	02 33	42.18	+17 44	52.2	17.5	399
1991 VR13		1991 11	11.51076	02 33	41.26	+17 44	48.5		399
1991 VS13	*	1991 11	11.56806	03 57	04.57	+14 45	43.9	17	399
1991 VS13		1991 11	11.58333	03 57	03.86	+14 45	40.0		399
1991 VT13	*	1991 11	11.63889	04 21	41.81	+19 55	26.5	16.5	399
1991 VT13		1991 11	11.65417	04 21	40.95	+19 55	28.1		399
1991 VU13	*	1991 11	13.52922	03 58	20.83	+19 57	20.3	17.5	399
1991 VU13		1991 11	13.54421	03 58	20.07	+19 57	17.5		399
1991 VV13	*	1991 11	13.52922	04 03	52.96	+19 57	12.1	17	399
1991 VV13		1991 11	13.54421	04 03	52.10	+19 57	07.4		399
1991 VW13	*	1991 11	13.52922	04 04	04.39	+19 05	33.5	17.5	399
1991 VW13		1991 11	13.54421	04 04	03.71	+19 05	35.1		399
1991 VX13	*	1991 11	13.60069	04 13	38.91	+19 42	30.3	17.5	399
1991 VX13		1991 11	13.61563	04 13	38.01	+19 42	32.6		399
1991 VY13	*	1991 11	13.60069	04 16	05.96	+19 06	28.6	17.5	399
1991 VY13		1991 11	13.61563	04 16	05.28	+19 06	27.4		399
1991 VZ13	*	1991 11	07.34531	04 15	55.21	+12 37	19.4	18.0	675
1991 VZ13		1991 11	07.37882	04 15	53.27	+12 37	09.3		675
1991 VA14	*	1991 11	07.34531	04 21	51.56	+06 45	02.7	16.8	675
1991 VA14		1991 11	07.37882	04 21	49.97	+06 44	54.8		675
1991 VB14	*	1991 11	07.34531	04 28	23.72	+11 58	24.5	16.8	675
1991 VB14		1991 11	07.37882	04 28	21.87	+11 58	17.2		675
1991 VC14	*	1991 11	07.34531	04 29	13.30	+09 52	07.9	17.8	675
1991 VC14		1991 11	07.37882	04 29	11.43	+09 52	11.7		675
1991 VD14	*	1991 11	08.17587	00 37	40.79	+07 13	17.9	17.5	675
1991 VD14		1991 11	08.20799	00 37	39.88	+07 13	11.5		675
1991 VE14	*	1991 11	08.17587	00 46	45.73	+04 29	22.4	17.5	675
1991 VE14		1991 11	08.20799	00 46	44.68	+04 29	24.1		675

1991 VF14	*	1991 11 08.17587	00 46 59.76	+06 13 38.4	18.0	675
1991 VF14		1991 11 08.20799	00 46 58.71	+06 13 38.8		675
1991 VG14	*	1991 11 08.17587	00 49 08.91	+08 16 08.7	18.2	675
1991 VG14		1991 11 08.20799	00 49 08.11	+08 16 07.7		675
1991 VH14	*	1991 11 08.17587	00 50 07.33	+04 44 36.9	17.5	675
1991 VH14		1991 11 08.20799	00 50 06.12	+04 44 37.6		675
1991 VJ14	*	1991 11 13.43350	05 54 14.38	+21 02 58.6	15	675
1991 VJ14		1991 11 13.46857	05 53 55.34	+21 11 06.9		675
1991 VK14	*	1991 11 02.14354	02 13 18.23	-04 47 06.6		808
1991 VK14		1991 11 02.16986	02 13 16.49	-04 47 02.3		808
1991 VL14	*	1991 11 12.11139	01 16 05.50	+01 43 38.9		808
1991 VL14		1991 11 12.15710	01 16 03.35	+01 43 37.9		808
1991 VM14	*	1991 11 12.11139	01 27 56.42	+01 32 39.9		808
1991 VM14		1991 11 12.15710	01 27 55.25	+01 32 21.9		808
1991 VN14	*	1991 11 02.21389	03 51 14.41	+11 09 20.3	18.6	809
1991 VN14		1991 11 02.22708	03 51 13.75	+11 09 19.3		809
1991 VN14		1991 11 02.24028	03 51 12.91	+11 09 18.8		809
1991 VO14	*	1991 11 02.21389	03 58 20.55	+07 49 29.0	19.7	809
1991 VO14		1991 11 02.22708	03 58 19.72	+07 49 27.4		809
1991 VO14		1991 11 02.24028	03 58 19.00	+07 49 27.0		809
1991 VP14	*	1991 11 02.21389	04 00 38.29	+10 26 28.5	19.5	809
1991 VP14		1991 11 02.22708	04 00 37.50	+10 26 20.3		809
1991 VP14		1991 11 02.24028	04 00 36.90	+10 26 13.4		809
1991 VQ14	*	1991 11 02.21389	04 01 30.12	+08 50 55.4	19.3	809
1991 VQ14		1991 11 02.22708	04 01 29.37	+08 50 52.9		809
1991 VQ14		1991 11 02.24028	04 01 28.53	+08 50 51.0		809
1991 VR14	*	1991 11 02.21389	04 02 57.72	+10 16 49.2	19.2	809
1991 VR14		1991 11 02.22708	04 02 56.81	+10 16 44.3		809
1991 VR14		1991 11 02.24028	04 02 55.93	+10 16 41.0		809
1991 VS14	*	1991 11 02.21389	04 09 25.90	+11 10 43.0	19.4	809
1991 VS14		1991 11 02.22708	04 09 25.18	+11 10 37.0		809
1991 VS14		1991 11 02.24028	04 09 24.58	+11 10 31.0		809
1991 VT14	*	1991 11 06.11806	03 47 44.11	+07 41 52.0	19.5	809
1991 VT14		1991 11 06.13125	03 47 43.37	+07 41 49.1		809
1991 VT14		1991 11 06.14444	03 47 42.83	+07 41 46.5		809
1991 VU14	*	1991 11 06.11806	03 58 02.92	+07 20 13.7	19.6	809
1991 VU14		1991 11 06.13125	03 58 02.29	+07 20 08.1		809
1991 VU14		1991 11 06.14444	03 58 01.68	+07 20 02.0		809
1991 VV14	*	1991 11 06.16458	04 10 44.15	+08 58 12.7	19.5	809
1991 VV14		1991 11 06.17778	04 10 43.55	+08 58 05.9		809
1991 VV14		1991 11 06.19097	04 10 43.01	+08 57 58.5		809
1991 VW14	*	1991 11 06.16458	04 11 29.99	+09 36 23.5		809
1991 VW14		1991 11 06.17778	04 11 29.16	+09 36 21.0		809
1991 VW14		1991 11 06.19097	04 11 28.28	+09 36 16.6		809
1991 VX14	*	1991 11 06.16458	04 15 15.47	+09 14 37.2	18.7	809
1991 VX14		1991 11 06.17778	04 15 14.75	+09 14 43.1		809
1991 VX14		1991 11 06.19097	04 15 14.12	+09 14 47.1		809
1991 VY14	*	1991 11 06.16458	04 18 31.41	+10 57 15.4		809
1991 VY14		1991 11 06.17778	04 18 30.55	+10 57 14.2		809
1991 VY14		1991 11 06.19097	04 18 29.56	+10 57 13.2		809
1991 VZ14	*	1991 11 06.16458	04 24 10.55	+11 02 39.3	19.3	809
1991 VZ14		1991 11 06.17778	04 24 09.91	+11 02 36.7		809
1991 VZ14		1991 11 06.19097	04 24 09.28	+11 02 33.4		809
1991 VA15	*	1991 11 06.16458	04 26 04.92	+11 14 38.6	18.6	809
1991 VA15		1991 11 06.17778	04 26 04.45	+11 14 37.5		809
1991 VA15		1991 11 06.19097	04 26 04.03	+11 14 36.2		809
1991 VB15	*	1991 11 09.11528	03 47 44.16	+08 52 54.0	19.5	809
1991 VB15		1991 11 09.12847	03 47 43.43	+08 52 47.0		809
1991 VB15		1991 11 09.14375	03 47 42.78	+08 52 39.2		809

1991 VC15	*	1991 11 09.17361	04 07 49.81	+09 17 34.7		809
1991 VC15		1991 11 09.18681	04 07 48.94	+09 17 29.0		809
1991 VD15	*	1991 11 09.17361	04 14 33.40	+10 28 26.4		809
1991 VD15		1991 11 09.18681	04 14 32.69	+10 28 16.9		809
1991 VE15	*	1991 11 09.17361	04 20 30.02	+06 38 26.2	18.3	809
1991 VE15		1991 11 09.18681	04 20 29.37	+06 38 20.8		809
1991 VF15	*	1991 11 12.14792	03 42 45.03	+06 11 53.5	18.8	809
1991 VF15		1991 11 12.16111	03 42 44.14	+06 11 46.1		809
1991 VF15		1991 11 12.17431	03 42 43.44	+06 11 43.2		809
1991 VG15	*	1991 11 12.14792	03 46 29.53	+06 16 03.9	19.6	809
1991 VG15		1991 11 12.16111	03 46 28.88	+06 15 59.4		809
1991 VG15		1991 11 12.17431	03 46 28.25	+06 15 55.3		809
1991 VH15	*	1991 11 12.14792	03 48 26.70	+09 29 58.8	19.2	809
1991 VH15		1991 11 12.16111	03 48 25.76	+09 29 54.7		809
1991 VH15		1991 11 12.17431	03 48 24.99	+09 29 51.3		809
1991 VJ15	*	1991 11 12.14792	03 51 48.99	+06 48 37.2	19.7	809
1991 VJ15		1991 11 12.16111	03 51 48.05	+06 48 34.2		809
1991 VJ15		1991 11 12.17431	03 51 47.26	+06 48 32.2		809
1991 VK15	*	1991 11 12.14792	03 54 34.77	+08 26 54.7	19.5	809
1991 VK15		1991 11 12.16111	03 54 34.11	+08 26 54.1		809
1991 VK15		1991 11 12.17431	03 54 33.46	+08 26 53.7		809
1991 VL15	*	1991 11 12.14792	03 59 30.30	+09 58 20.9	19.5	809
1991 VL15		1991 11 12.16111	03 59 28.99	+09 58 21.5		809
1991 VL15		1991 11 12.17431	03 59 28.13	+09 58 24.5		809
1991 VM15	*	1991 11 12.20347	03 59 57.76	+08 52 41.5	19.1	809
1991 VM15		1991 11 12.21667	03 59 56.93	+08 52 39.8		809
1991 VM15		1991 11 12.22986	03 59 55.89	+08 52 37.5		809
1991 VN15	*	1991 11 12.20347	04 01 19.98	+09 56 28.5	18.7	809
1991 VN15		1991 11 12.21667	04 01 19.19	+09 56 22.3		809
1991 VN15		1991 11 12.22986	04 01 18.37	+09 56 14.8		809
1991 VO15	*	1991 11 12.20347	04 01 56.35	+09 54 17.7	18.7	809
1991 VO15		1991 11 12.21667	04 01 55.69	+09 54 14.0		809
1991 VO15		1991 11 12.22986	04 01 55.04	+09 54 09.5		809
1991 VP15	*	1991 11 12.20347	04 04 42.10	+09 09 33.6	18.6	809
1991 VP15		1991 11 12.21667	04 04 41.26	+09 09 31.9		809
1991 VP15		1991 11 12.22986	04 04 40.33	+09 09 28.9		809
1991 VQ15	*	1991 11 12.20347	04 05 59.08	+09 12 34.4	19.2	809
1991 VQ15		1991 11 12.21667	04 05 58.23	+09 12 30.2		809
1991 VQ15		1991 11 12.22986	04 05 57.60	+09 12 24.1		809
1991 VR15	*	1991 11 12.20347	04 08 50.58	+06 21 16.6	18.7	809
1991 VR15		1991 11 12.21667	04 08 50.11	+06 21 16.0		809
1991 VR15		1991 11 12.22986	04 08 49.64	+06 21 15.1		809
1991 VS15	*	1991 11 12.20347	04 10 51.85	+06 46 42.7	19.0	809
1991 VS15		1991 11 12.21667	04 10 51.07	+06 46 40.8		809
1991 VS15		1991 11 12.22986	04 10 50.14	+06 46 39.3		809
1991 VT15	*	1991 11 12.20347	04 11 52.93	+10 07 48.2	18.6	809
1991 VT15		1991 11 12.21667	04 11 52.24	+10 07 42.8		809
1991 VT15		1991 11 12.22986	04 11 51.29	+10 07 37.6		809
1991 VU15	*	1991 11 12.20347	04 12 16.57	+07 54 13.8	18.6	809
1991 VU15		1991 11 12.21667	04 12 15.98	+07 54 06.6		809
1991 VU15		1991 11 12.22986	04 12 15.41	+07 54 01.2		809
1991 VV15	*	1991 11 12.20347	04 12 56.30	+08 57 38.2	19.0	809
1991 VV15		1991 11 12.21667	04 12 55.62	+08 57 34.2		809
1991 VV15		1991 11 12.22986	04 12 54.72	+08 57 32.5		809
1991 VW15	*	1991 11 12.20347	04 14 19.66	+07 47 18.0	18.6	809
1991 VW15		1991 11 12.21667	04 14 18.94	+07 47 14.5		809
1991 VW15		1991 11 12.22986	04 14 18.19	+07 47 10.6		809
1991 VX15	*	1991 11 12.20347	04 15 54.24	+10 36 55.1	18.8	809
1991 VX15		1991 11 12.21667	04 15 53.53	+10 36 53.4		809

1991 VX15		1991 11 12.22986	04 15 52.61	+10 36 50.6				809
1991 VY15	*	1991 11 12.20347	04 15 54.33	+10 20 26.8	18.8			809
1991 VY15		1991 11 12.21667	04 15 53.71	+10 20 25.5				809
1991 VY15		1991 11 12.22986	04 15 53.09	+10 20 23.0				809
1991 VZ15	*	1991 11 12.20347	04 17 33.60	+07 06 12.9	18.7			809
1991 VZ15		1991 11 12.21667	04 17 32.96	+07 06 11.8				809
1991 VZ15		1991 11 12.22986	04 17 32.28	+07 06 09.5				809
1991 VA16	*	1991 11 12.20347	04 20 15.61	+09 48 45.2	18.8			809
1991 VA16		1991 11 12.21667	04 20 14.92	+09 48 45.1				809
1991 VA16		1991 11 12.22986	04 20 14.37	+09 48 44.0				809
1991 VB16	*	1991 11 10.51667	00 31 48.49	+07 17 12.3	17			881
1991 VB16		1991 11 10.57292	00 31 48.29	+07 16 47.1				881
1991 VC16	*	1991 11 10.55799	04 47 55.91	+35 00 24.1	15.5			885
1991 VC16		1991 11 10.57049	04 47 55.58	+35 00 22.5				885
1991 VD16	*	1991 11 05.59375	04 33 29.26	+25 37 16.0	17			887
1991 VD16		1991 11 05.61308	04 33 28.2	+25 37 18			G	887
1991 VE16	*	1991 11 13.62535	06 14 52.66	+24 07 49.9	16			887
1991 VE16		1991 11 13.64826	06 14 52.34	+24 07 58.4				887
1991 VF16	*	1991 11 10.71146	03 15 20.75	+12 48 04.1	17.2			894
1991 VF16		1991 11 10.73579	03 15 19.25	+12 47 57.8				894
1991 VG16	*	1991 11 04.57153	03 15 01.31	+19 31 09.3	17.0			896
1991 VG16		1991 11 04.60625	03 14 59.49	+19 30 46.7				896
1991 WH	*	1991 11 27.79303	03 36 19.26	+19 15 39.8				046
1991 WH		1991 11 27.80715	03 36 18.38	+19 15 38.7				046
1991 WJ	*	1991 11 27.82961	03 29 15.07	+30 12 00.6	17.2		U	046
1991 WJ		1991 11 27.84373	03 29 14.61	+30 11 59.2				046
1991 WK	*	1991 11 30.63542	04 28 28.06	+25 51 43.3	18.0			402
1991 WK		1991 11 30.64931	04 28 26.90	+25 51 43.8				402
1991 WL	*	1991 11 30.63542	04 28 34.52	+25 52 27.4	17.0			402
1991 WL		1991 11 30.64931	04 28 33.59	+25 52 27.1				402
1991 WM	*	1991 11 30.63542	04 28 37.00	+26 40 58.5	17.0			402
1991 WM		1991 11 30.64931	04 28 36.14	+26 41 03.6				402
1991 WN	*	1991 11 27.52710	03 09 11.22	-11 38 40.8	16.5	V		413
1991 WN		1991 11 27.56876	03 09 09.10	-11 38 18.4				413
1991 WO	*	1991 11 29.45312	02 02 20.12	-20 12 04.2	18	V	a	413
1991 WO		1991 11 29.50174	02 02 18.31	-20 11 26.9			a	413
1991 XF3	*	1991 12 10.92222	06 28 10.35	+24 33 20.1				033
1991 XF3		1991 12 10.98056	06 28 07.45	+24 33 23.5	18.4			033
1991 XG3	*	1991 12 05.01308	07 00 32.52	+24 02 31.2				071
1991 XG3		1991 12 05.03808	07 00 31.37	+24 02 25.2				071
1991 XH3	*	1991 12 05.01308	07 01 01.32	+20 32 37.5				071
1991 XH3		1991 12 05.03808	07 01 01.19	+20 32 34.0				071
1991 XJ3	*	1991 12 04.55000	03 47 31.02	+32 01 19.7				367
1991 XJ3		1991 12 04.56042	03 47 30.30	+32 01 14.7				367
1991 XJ3		1991 12 04.57083	03 47 29.65	+32 01 09.1				367
1991 XK3	*	1991 12 04.55694	02 43 39.18	+16 59 42.2	17			372
1991 XK3		1991 12 04.56979	02 43 38.79	+16 59 37.3				372
1991 XL3	*	1991 12 04.55694	02 44 42.17	+17 06 43.6	18			372
1991 XL3		1991 12 04.56979	02 44 41.46	+17 06 45.1				372
1991 XM3	*	1991 12 09.62467	02 35 50.15	+17 18 24.6	18.5			372
1991 XM3		1991 12 09.63646	02 35 49.73	+17 18 20.9				372
1991 XN3	*	1991 12 13.74479	10 17 24.71	+13 57 19.3	18			372
1991 XN3		1991 12 13.75660	10 17 25.38	+13 57 15.9				372
1991 XO3	*	1991 12 04.51250	03 16 09.46	+10 37 02.6	17			399
1991 XO3		1991 12 04.52743	03 16 08.84	+10 36 59.2				399
1991 XP3	*	1991 12 04.54653	04 04 33.93	+20 59 57.2	17			399
1991 XP3		1991 12 04.56146	04 04 32.97	+20 59 53.3				399
1991 XQ3	*	1991 12 04.54653	04 15 28.70	+19 31 54.3	17			399
1991 XQ3		1991 12 04.56146	04 15 27.57	+19 31 57.8				399

1991 XR3	*	1991 12 05.42917	03 16 49.61	+15 04 07.1	17.5	399
1991 XR3		1991 12 05.44375	03 16 49.12	+15 04 07.4		399
1991 XS3	*	1991 12 05.55278	04 05 01.02	+18 18 09.6	17.5	399
1991 XS3		1991 12 05.56777	04 04 59.97	+18 18 06.7		399
1991 XT3	*	1991 12 05.59931	03 40 47.26	+15 05 39.8	17.5	399
1991 XT3		1991 12 05.61424	03 40 46.64	+15 05 32.9		399
1991 XU3	*	1991 12 07.54063	03 44 25.01	+16 23 18.4	17	399
1991 XU3		1991 12 07.55764	03 44 24.27	+16 23 16.9		399
1991 XV3	*	1991 12 09.55764	03 53 12.66	+18 12 41.0	17.5	399
1991 XV3		1991 12 09.57396	03 53 11.80	+18 12 39.8		399
1991 XW3	*	1991 12 08.49986	04 28 38.79	+02 45 48.5	17 V	413
1991 XW3		1991 12 08.55194	04 28 35.57	+02 44 51.2		413
1991 XX3	*	1991 12 01.25329	03 03 13.29	+28 12 49.3	18.5	675
1991 XX3		1991 12 01.28854	03 03 11.40	+28 12 41.1	18.0	675
1991 XY3	*	1991 12 01.25329	03 26 50.34	+31 47 05.0	18.5	675
1991 XY3		1991 12 01.28854	03 26 47.89	+31 46 53.4		675
1991 XA4	*	1991 12 01.26024	03 32 02.47	+19 46 09.1	17.0	675
1991 XA4		1991 12 01.29844	03 32 00.71	+19 46 08.6		675
1991 XB4	*	1991 12 01.26024	03 32 34.58	+19 01 30.1	17.2	675
1991 XB4		1991 12 01.29844	03 32 32.22	+19 01 25.2		675
1991 XC4	*	1991 12 01.26024	03 33 56.08	+23 13 39.5	17.0	675
1991 XC4		1991 12 01.29844	03 33 53.55	+23 13 27.6		675
1991 XE4	*	1991 12 01.26024	03 42 05.76	+19 23 15.4	17.8	675
1991 XE4		1991 12 01.29844	03 42 03.68	+19 23 10.6		675
1991 XF4	*	1991 12 01.26024	03 43 27.30	+22 19 05.4	17.0	675
1991 XF4		1991 12 01.29844	03 43 25.12	+22 18 55.2		675
1991 XG4	*	1991 12 01.26024	03 44 01.64	+22 41 52.2	17.8	675
1991 XG4		1991 12 01.29844	03 43 58.99	+22 41 47.8		675
1991 XH4	*	1991 12 01.26024	03 49 12.69	+21 42 39.1	17.5	675
1991 XH4		1991 12 01.29844	03 49 09.99	+21 42 37.0		675
1991 XJ4	*	1991 12 01.26024	03 52 26.00	+22 37 55.6	18.0	675
1991 XJ4		1991 12 01.29844	03 52 23.79	+22 37 51.6		675
1991 XK4	*	1991 12 01.26024	03 53 20.57	+19 58 04.3	17.8	675
1991 XK4		1991 12 01.29844	03 53 18.00	+19 58 06.6		675
1991 XL4	*	1991 12 01.26024	03 57 17.66	+21 06 45.8	17.8	675
1991 XL4		1991 12 01.29844	03 57 15.55	+21 06 42.6		675
1991 XM4	*	1991 12 01.35642	04 06 03.26	+39 12 57.2	18.6	675
1991 XN4	*	1991 12 01.38368	05 34 50.58	+25 09 27.4	17.0	675
1991 XN4		1991 12 01.41753	05 34 48.44	+25 09 29.4		675
1991 XO4	*	1991 12 01.38368	05 35 32.24	+25 32 05.5	17.5	675
1991 XO4		1991 12 01.41753	05 35 29.53	+25 32 08.6		675
1991 XP4	*	1991 12 01.38368	05 44 02.30	+19 48 36.7	18.0	675
1991 XP4		1991 12 01.41753	05 44 00.61	+19 49 06.2		675
1991 XQ4	*	1991 12 02.28889	04 54 07.06	+09 41 44.9	16.8	675
1991 XQ4		1991 12 02.32326	04 54 05.01	+09 41 49.5		675
1991 XR4	*	1991 12 03.30260	03 31 42.62	+19 58 44.6		675
1991 XR4		1991 12 03.33455	03 31 39.93	+19 58 46.4		675
1991 XS4	*	1991 12 03.30885	03 43 24.34	+28 18 23.0	17.5	675
1991 XS4		1991 12 03.34131	03 43 22.13	+28 18 12.2		675
1991 XT4	*	1991 12 03.30885	03 50 41.92	+29 32 28.2	17.5	675
1991 XT4		1991 12 03.34131	03 50 39.94	+29 32 23.6		675
1991 XU4	*	1991 12 03.30885	04 03 57.58	+26 44 21.4	17.2	675
1991 XU4		1991 12 03.34131	04 03 55.17	+26 44 22.3		675
1991 XV4	*	1991 12 03.32135	04 03 55.25	+39 11 45.3		675
1991 XV4		1991 12 03.35313	04 03 53.90	+39 11 25.7		675
1991 XX4	*	1991 12 07.30781	04 08 17.99	+12 19 11.7	16.0	675
1991 XX4		1991 12 07.33264	04 08 16.54	+12 18 34.8		675
1991 XY4	*	1991 12 07.32118	04 56 06.06	+25 40 33.2	16.0	675
1991 XY4		1991 12 07.34392	04 56 04.06	+25 40 47.3		675

1991 XZ4	*	1991 12 07.46563	06 26 43.49	+37 00 31.2	16.5	675
1991 XZ4		1991 12 07.49010	06 26 42.18	+37 00 45.4		675
1991 XA5	*	1991 12 07.50382	06 33 29.56	+16 33 07.9	16.0	675
1991 XA5		1991 12 07.52101	06 33 28.33	+16 32 49.7		675
1991 XB5	*	1991 12 08.09774	00 54 58.51	+44 58 09.7	16.0	675
1991 XB5		1991 12 08.13299	00 55 02.30	+44 57 29.4		675
1991 XC5	*	1991 12 03.17594	05 07 13.60	+12 01 58.9		808
1991 XC5		1991 12 03.22303	05 07 11.93	+12 02 03.7		808
1991 XD5	*	1991 12 01.27222	07 10 57.50	+08 23 32.9	18.5	809
1991 XD5		1991 12 01.28542	07 10 57.01	+08 23 27.7		809
1991 XD5		1991 12 01.29861	07 10 56.65	+08 23 23.2		809
1991 XF5	*	1991 12 01.27222	07 14 05.84	+08 56 31.7	18.0	809
1991 XF5		1991 12 01.28542	07 14 05.28	+08 56 14.4		809
1991 XF5		1991 12 01.29861	07 14 04.75	+08 55 56.4		809
1991 XG5	*	1991 12 01.27222	07 18 17.58	+09 27 08.7	18.6	809
1991 XG5		1991 12 01.28542	07 18 17.29	+09 27 03.5		809
1991 XG5		1991 12 01.29861	07 18 17.05	+09 26 59.4		809
1991 XH5	*	1991 12 01.27222	07 18 34.57	+08 08 10.8	18.3	809
1991 XH5		1991 12 01.28542	07 18 34.16	+08 08 07.4		809
1991 XH5		1991 12 01.29861	07 18 33.91	+08 08 03.5		809
1991 XJ5	*	1991 12 07.28750	06 57 38.35	+09 56 15.2	18.7	809
1991 XJ5		1991 12 07.30000	06 57 37.79	+09 56 10.0		809
1991 XJ5		1991 12 07.31250	06 57 37.23	+09 56 04.3		809
1991 XK5	*	1991 12 07.28750	07 01 08.19	+09 03 17.7	18.8	809
1991 XK5		1991 12 07.30000	07 01 07.32	+09 03 15.6		809
1991 XK5		1991 12 07.31250	07 01 06.49	+09 03 13.7		809
1991 XL5	*	1991 12 09.31597	07 08 59.82	+11 13 11.6	19.0	809
1991 XL5		1991 12 09.32917	07 08 59.32	+11 13 11.8		809
1991 XL5		1991 12 09.34236	07 08 58.77	+11 13 10.6		809
1991 XM5	*	1991 12 09.31597	07 16 05.70	+07 38 34.3	18.2	809
1991 XM5		1991 12 09.32917	07 16 05.13	+07 38 36.6		809
1991 XM5		1991 12 09.34236	07 16 04.69	+07 38 38.6		809
1991 XN5	*	1991 12 07.50781	02 50 37.21	+03 42 50.2	17.2	894
1991 XN5		1991 12 07.53472	02 50 36.31	+03 42 40.3		894
1991 YW1	*	1991 12 28.81458	04 02 48.46	+25 05 40.4	18.6	033
1991 YX1	*	1991 12 28.81458	04 02 49.56	+23 08 09.5	19.2	033
1991 YY1	*	1991 12 28.81458	04 03 31.45	+22 32 19.0	18.5	033
1991 YZ1	*	1991 12 28.81458	04 04 55.44	+24 36 48.5	18.1	033
1991 YA2	*	1991 12 28.81458	04 09 07.10	+24 54 46.6	18.2	033
1991 YB2	*	1991 12 28.81458	04 09 51.23	+22 44 15.7	19.1	033
1991 YC2	*	1991 12 28.81458	04 13 00.98	+24 52 09.2	18.7	033
1991 YD2	*	1991 12 28.81458	04 14 28.81	+23 10 10.7	19.0	033
1991 YE2	*	1991 12 28.84653	03 52 17.11	+24 05 29.0	18.8	033
1991 YE2		1991 12 28.90035	03 52 16.24	+24 05 06.2		033
1991 YF2	*	1991 12 28.84653	03 54 27.65	+24 12 58.2	19.1	033
1991 YF2		1991 12 28.90035	03 54 25.88	+24 12 50.0		033
1991 YG2	*	1991 12 29.02604	06 40 16.87	+19 40 37.1		511
1991 YG2		1991 12 29.05799	06 40 14.54	+19 40 43.1		511
1991 YH2	*	1991 12 30.96424	06 25 09.55	+17 36 16.3	18.2	511
1991 YH2		1991 12 30.98854	06 25 07.94	+17 36 21.5		511
1991 YJ2	*	1991 12 30.96424	06 26 01.95	+19 07 27.3	18.5	511
1991 YJ2		1991 12 30.98854	06 26 00.45	+19 07 32.4		511
1991 YK2	*	1991 12 31.10174	07 21 29.19	+13 10 10.1	17.5	511
1991 YK2		1991 12 31.13160	07 21 27.54	+13 10 02.5		511
1991 YL2	*	1991 12 31.89561	07 25 07.93	+20 18 39.0	16.8	565
1991 YL2		1991 12 31.91352	07 25 06.82	+20 18 43.3		565
1991 YM2	*	1991 12 31.34080	07 30 14.70	+28 26 54.1	17.8	675
1991 YM2		1991 12 31.37986	07 30 11.93	+28 27 01.5		675
1991 YN2	*	1991 12 16.75799	07 04 55.18	+17 30 41.2	16.5	877

1991 YN2		1991 12 16.78229	07 04 54.48	+17 30 39.2			877
1991 YO2	*	1991 12 29.62257	07 53 27.65	+15 07 43.0	16.5		877
1991 YO2		1991 12 29.64010	07 53 26.30	+15 07 49.1			877
1991 YP2	*	1991 12 16.70575	04 29 06.51	+15 32 15.9			894
1991 YP2		1991 12 16.71806	04 29 06.05	+15 32 16.6			894

* * * * *

ORBITAL ELEMENTS.

Orbital elements have been computed by the following contributors:

- C. M. Bardwell, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138, U.S.A.
 E. Bowell, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001, U.S.A. (E)
 K. Ichikawa, 45 Shiromae Kamiwada-cho, Okazaki-shi, Aichi, 444-02 Japan
 B. G. Marsden, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138, U.S.A. (M)
 S. Nakano, 3-19, 1 chome, Takenokuchi, Sumoto, Hyogo-ken 656, Japan (N)
 L. D. Schmadel, Astronomisches Rechen-Institut, Monchhofstrasse 12-14, W-6900 Heidelberg, Federal Republic of Germany
 T. Urata, 6-1, Muramatsuhara 1 Chome, Shimizu, Shizuoka-Ken 424, Japan (U)
 G. V. Williams, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138, U.S.A. (W)

The name of the orbit computer is shown on the line giving T for a comet and Epoch for a displayed minor-planet orbit; for many of the minor planets (O-C) residuals are shown in full (in R.A. and Decl.); observations are identified by date and observatory code, X referring to an approximate and Y to a semiaccurate position. For displayed minor planets "Id." shows those involved in establishing the identifications (generally with the principal contributors first), "k" indicating key identifications and "d" (only) double (or multiple) designations; no identifier is shown if only the orbit computer is involved and the results were not previously published. J-P indicates that only the perturbations by the outer planets were considered, and a and n are then related by a gravitational constant augmented by the masses of the inner planets. For the one-opposition orbits, equinox 2000.0 is used, and the columns headed Arc and O show the time span in days covered by the observations and the number of observations utilized in the computation (0 = 10 or more). In the note column N, D means that there are double (or multiple) designations, E means that the value of the eccentricity was assumed, F means both; the double designations are listed at the end; the codes for the orbit computers (column C) are as listed above.

Periodic Comet Brewington (1992p)

Epoch 1992 June 27.0 TT = JDT 2448800.5

T 1992 June 7.80061 TT

q	1.6010357	(2000.0)	P	Nakano	Q
n	0.09188106	Peri.	47.84005	+0.84170712	-0.53291088
a	4.8639082	Node	343.73753	+0.35688309	+0.66975316
e	0.6708335	Incl.	18.05779	+0.40517106	+0.51714282
P	10.73				

From 74 observations 1992 Aug. 28-Dec. 31, mean residual 1".08.

Comet Ohshita (1992a1)

Epoch 1992 Oct. 25.0 TT = JDT 2448920.5

T 1992 Nov. 1.58890 TT

q	0.6641336	(2000.0)	P	Q
z	+0.0124655	Peri.	310.06653	-0.69698291
	+/-0.0002179	Node	138.37527	+0.44506023
e	0.9917213	Incl.	115.12319	-0.56225992

Marsden
From 63 observations 1992 Nov. 21-1993 Jan. 2, mean residual 0".98.

Comet Shoemaker (1992y)

Epoch 1993 Apr. 3.0 TT = JDT 2449080.5

T 1993 Mar. 25.65847 TT

q	2.3139838	(2000.0)	P	Q
z	+0.0000832	Peri.	54.85280	+0.05422934
	+/-0.0000926	Node	55.30109	+0.31085596
e	0.9998075	Incl.	65.99507	+0.94890872

Nakano
From 101 observations 1992 Oct. 25-Dec. 31, mean residual 0".89.

Comet Mueller (1993a)

T 1994 Jan. 13.30339 TT

q	1.9371179	(2000.0)	P	Q
		Peri.	130.72757	+0.78284698
		Node	144.71067	-0.26871821
e	1.0	Incl.	124.86701	+0.56119615

Marsden
From 28 observations 1992 Nov. 26-1993 Jan. 12.

One-opposition minor planets

Planet	H	Epoch	M	Peri.	Node	Incl.	e	a	Arc	O	N	C
1988 WH	11.5	881115	135.59	211.14	57.66	3.83	0.1563	2.8478	18	0		N
1991 EK4	14.2	910305	307.30	36.83	186.29	2.78	0.0990	2.1575	11	0		N
1991 PY	13.0	910723	12.98	348.37	309.23	14.03	0.1630	3.0096	5	7		W
1991 PC1	14.5	910812	13.85	327.15	345.91	18.56	0.0671	1.9396	30	0		W
1991 PB2	14.5	910812	63.22	114.03	112.58	6.37	0.2008	2.6172	36	0	D	W
1991 PL2	16.0	910812	14.22	313.20	339.05	4.08	0.1936	2.4504	33	0		W
1991 PQ2	14.5	910723	9.65	279.56	14.70	1.99	0.1192	2.3748	31	0		W
1991 PA5	15.5	910723	2.17	358.10	308.01	3.15	0.1669	2.2828	24	8		W
1991 PG5	14.5	910812	328.19	128.69	226.23	0.94	0.0876	2.8699	34	9		W
1991 PZ5	14.0	910812	77.71	261.30	331.82	7.69	0.0954	2.6107	32	0		W
1991 PA6	15.0	910812	355.78	335.18	352.80	1.04	0.1505	2.9105	31	9		W
1991 PD6	15.5	910812	330.45	30.22	336.14	1.64	0.2077	2.5388	31	0		W
1991 PM7	15.5	910812	343.05	223.41	126.37	5.11	0.2186	2.6310	31	9		W
1991 PS14	16.0	910812	4.09	320.06	354.71	4.21	0.1975	2.2346	31	0		W
1991 PB20	14.5	910812	197.54	9.68	119.65	6.30	0.0927	2.2683	24	9		W
1991 RC2	14.0	910812	295.64	83.20	333.39	7.41	0.1269	2.3223	40	0		W
1991 RO6	11.5	910812	251.46	151.33	289.16	8.28	0.0309	3.0161	26	5		W
1991 RV6	13.0	910812	114.93	231.25	319.93	16.15	0.3066	2.9953	26	6		W
1991 RB8	14.0	910921	284.63	60.76	37.41	5.37	0.1302	2.2437	23	9		W
1991 RF11	15.0	910901	333.86	75.89	324.15	4.65	0.2169	2.4485	10	6		W
1991 RK11	14.0	910901	80.03	69.52	135.06	11.56	0.2879	2.5134	3	9		W
1991 RT11	14.5	910812	254.15	331.41	92.31	3.16	0.0326	2.7123	36	9		W
1991 RY11	14.0	910812	276.32	285.47	124.84	4.77	0.0857	2.7997	35	0		W
1991 RZ11	14.0	910812	349.09	324.11	8.63	1.27	0.1824	3.2012	35	0		W
1991 RP12	14.5	910812	4.52	329.84	345.34	7.11	0.1608	2.2321	28	0		W
1991 RR12	15.0	910812	304.40	18.63	23.79	3.45	0.2234	2.3684	24	0		W
1991 RE14	14.0	910921	31.41	334.73	343.53	8.55	0.1644	2.3910	25	7		W
1991 RS17	16.0	910901	354.48	107.73	244.96	1.30	0.1931	2.2614	11	8		W
1991 RA20	14.5	910901	19.65	13.42	310.21	5.83	0.1586	2.3999	11	5		W
1991 RY29	14.5	910812	296.08	136.08	279.14	6.01	0.1456	2.2933	35	6		W
1991 TD4	13.0	911011	28.60	160.29	174.95	17.91	0.2689	2.6106	22	6		W

1991	TM4	16.5	910921	351.66	153.68	223.09	5.58	0.1362	2.1981	5	5	W
1991	TE6	14.5	910921	321.86	160.80	262.71	3.65	0.2533	2.5543	7	8	W
1991	TH6	15.5	910921	9.73	101.68	247.06	2.81	0.1432	2.3531	26	8	W
1991	TL6	14.0	910921	40.29	32.85	277.51	2.98	0.1437	2.8755	25	8	W
1991	TQ7	13.5	910921	103.86	252.63	1.43	18.96	0.0525	2.8002	29	5	W
1991	TX7	15.0	910921	9.52	37.33	310.59	1.69	0.1966	2.4110	21	5	W
1991	VT	12.5	911031	25.69	300.57	66.63	15.56	0.1930	2.6003	37	0	W
1991	VV6	15.0	911031	290.65	300.16	220.49	21.98	0.3268	2.4334	10	9	W
1991	VW6	14.5	911031	0.53	215.12	196.36	10.09	0.1328	2.4720	5	7	W
1991	VG7	14.5	911120	17.33	324.54	61.38	4.25	0.2938	2.5951	20	6	W
1991	XE2	12.5	911210	52.59	295.68	66.39	9.74	0.1655	2.7733	27	5	W
1992	GA5	15.0	920408	315.29	235.97	49.97	3.90	0.2943	2.6135	29	0	W
1992	GC5	13.0	920408	10.90	131.68	68.91	2.38	0.0670	3.0473	29	0	W
1992	HA	13.5	920428	324.81	213.19	41.95	7.04	0.0783	2.3078	19	0	W
1992	HD1	14.5	920428	342.58	177.54	71.30	2.30	0.2481	3.0604	14	0	W
1992	HH1	13.5	920408	157.85	199.20	214.33	3.81	0.0671	2.7882	34	0	W
1992	HP4	14.0	920428	13.37	10.33	199.96	14.02	0.1045	2.5784	5	5	W
1992	HQ4	12.0	920428	90.67	18.17	103.83	9.68	0.1297	3.0223	5	5	W
1992	HS4	13.0	920428	322.27	179.70	100.33	9.45	0.1895	2.8022	28	0	W
1992	HY4	13.0	920428	153.39	132.21	285.45	3.93	0.1285	2.2314	11	0	W
1992	HA5	12.5	920428	338.52	152.28	97.18	1.73	0.1679	3.1996	7	8	E W
1992	HD5	12.5	920408	252.93	298.28	39.93	18.41	0.1712	3.1551	32	0	W
1992	HG5	13.0	920428	331.74	232.51	17.12	16.38	0.2237	3.2083	8	9	W
1992	HH5	14.0	920428	90.31	120.25	353.56	4.51	0.0238	2.2454	8	0	E W
1992	HJ5	14.5	920428	2.43	161.32	53.99	2.82	0.1430	2.4392	14	0	W
1992	HK5	12.5	920428	294.58	102.82	202.80	2.74	0.1928	2.1839	17	0	W
1992	JJ1	14.0	920428	353.60	4.70	228.71	26.24	0.1425	2.4587	6	0	W
1992	JK1	13.0	920428	323.17	44.45	227.67	11.21	0.1207	2.8799	5	0	W
1992	JL1	14.0	920428	330.94	244.46	22.62	2.29	0.1577	2.6575	5	0	E W
1992	JT1	13.0	920428	248.11	298.55	46.58	6.10	0.0583	2.3500	2	9	E W
1992	JU1	12.5	920428	93.66	238.78	232.36	7.66	0.2071	2.3315	2	9	E W
1992	JV1	14.5	920428	38.09	136.07	13.60	3.05	0.2917	2.2571	2	9	E W
1992	JW1	13.0	920428	298.30	14.20	290.36	2.47	0.2461	2.8729	2	9	E W
1992	JA2	11.0	920428	142.01	29.00	45.54	14.03	0.2191	3.0098	10	9	W
1992	JS2	12.5	920428	113.16	238.38	213.36	14.79	0.0848	2.5451	6	9	W
1992	JT2	14.0	920428	25.59	129.14	61.64	6.50	0.1825	2.7277	4	9	E W
1992	JU2	14.0	920428	266.37	132.53	213.37	5.81	0.2213	2.1966	4	9	E W
1992	JW2	12.0	920428	175.39	192.07	221.50	10.38	0.2681	2.7223	4	9	E W
1992	JD3	13.5	920428	20.54	152.34	48.20	8.10	0.0811	2.3605	4	0	W
1992	JE3	15.5	920428	26.29	139.81	38.56	2.25	0.2696	2.3521	3	8	E W
1992	JF3	14.0	920428	337.93	267.46	351.71	2.08	0.1989	2.3485	5	0	W
1992	JH3	14.0	920428	330.92	58.87	209.66	3.67	0.2093	2.6276	5	0	W
1992	JK3	11.0	920428	90.22	253.44	234.42	14.86	0.0731	2.6826	3	7	W
1992	JO3	13.5	920428	294.94	28.44	283.47	1.94	0.1682	2.4146	12	0	W
1992	JP3	14.0	920428	343.83	207.14	42.65	8.37	0.1730	2.5692	10	0	W
1992	JQ3	13.5	920428	334.37	342.04	268.18	2.52	0.1446	2.1830	8	0	E W
1992	JR3		920428	332.26	357.43	264.18	2.25	0.0961	2.5484	6	0	W
1992	JS3		920428	31.76	137.93	40.53	6.60	0.2178	2.4201	2	0	W
1992	KU	15.5	920518	13.35	116.74	101.24	8.20	0.0778	2.2331	4	6	W
1992	MD	14.0	920627	13.92	146.72	131.65	17.30	0.2273	2.5421	31	0	W
1992	OF1	12.5	920717	330.08	221.65	125.31	8.79	0.2191	3.0314	6	0	W
1992	OJ1	12.5	920806	38.32	305.27	320.47	23.36	0.1805	2.2728	37	0	W
1992	ON1	15.5	920717	18.53	345.32	299.02	6.17	0.1328	2.3756	6	0	W
1992	OQ1	15.5	920717	11.39	348.66	301.24	4.19	0.1872	2.3257	12	0	W
1992	OV1	13.5	920717	353.43	7.44	310.28	13.12	0.1601	2.5989	12	0	W
1992	OX1	14.5	920717	294.10	243.86	137.00	7.10	0.0560	2.2535	6	9	W
1992	OB2	16.0	920717	356.82	11.52	301.15	3.00	0.2254	2.5627	6	9	W
1992	OF2	15.5	920717	344.38	14.35	313.92	5.41	0.1360	2.2822	6	9	W
1992	OG2	13.5	920717	275.60	283.36	130.72	5.36	0.1616	2.6513	6	9	W

1992	OH2	13.0	920717	42.22	129.81	135.98	22.40	0.0568	3.2440	6	9	E	W
1992	OK2	14.5	920717	356.96	0.76	312.96	13.90	0.2671	2.8588	12	0		W
1992	OM2	14.5	920717	302.66	250.32	137.70	3.49	0.1950	2.4125	10	0		W
1992	OV2	15.0	920717	268.80	281.07	128.56	8.17	0.0713	2.3007	6	9		W
1992	OW2	15.0	920717	24.44	274.11	344.52	2.26	0.3453	2.8487	6	9		W
1992	OZ2	15.0	920717	348.63	2.87	320.99	6.76	0.1023	2.4726	6	9		W
1992	OB3	15.5	920717	30.74	326.53	305.50	5.68	0.1028	2.2257	6	9		W
1992	OE3	14.5	920717	344.16	16.32	318.63	3.15	0.2248	2.7138	12	0		W
1992	OF3	15.0	920717	6.49	340.80	317.95	4.25	0.1639	2.2415	12	0		W
1992	OG3	15.0	920717	53.61	267.86	329.71	0.66	0.1792	2.2929	6	9	E	W
1992	OH3	14.0	920717	183.72	6.39	122.34	6.78	0.0521	2.4589	6	9	E	W
1992	OM3	15.5	920717	3.02	192.13	111.01	2.71	0.1655	2.1701	6	9	E	W
1992	ON3	13.5	920717	253.49	330.90	120.42	4.06	0.3202	2.8124	6	9	E	W
1992	OA5	14.5	920717	281.43	106.16	303.51	6.41	0.1406	2.4818	5	0		M
1992	OC5	13.0	920717	66.46	31.67	207.40	0.50	0.1031	3.1181	7	0	E	W
1992	OD5	15.5	920717	321.43	76.98	290.94	3.34	0.2089	2.2331	7	0	E	W
1992	OE7	15.0	920717	329.55	40.85	309.53	11.84	0.1594	2.6418	6	9		W
1992	OF7	13.5	920717	348.78	195.94	107.16	6.50	0.1302	2.4095	2	9	E	W
1992	OM7	12.0	920717	155.58	205.46	292.94	3.79	0.0125	2.7915	7	0	E	W
1992	OY7	12.5	920717	337.33	54.09	278.20	8.39	0.2887	2.8754	9	0		W
1992	OE8	13.5	920717	334.98	218.01	120.21	5.10	0.2283	3.0209	8	0	E	W
1992	OJ8	13.5	920717	345.93	15.96	301.05	6.97	0.1270	2.3118	14	0		W
1992	OK8	13.0	920717	83.71	247.31	302.33	15.43	0.2335	2.8316	6	9		W
1992	OL8	13.5	920717	294.46	259.35	123.57	6.52	0.1646	2.6003	6	0	E	W
1992	OM8	13.5	920717	30.28	95.09	169.87	0.90	0.0642	2.5617	9	0		W
1992	ON8	11.5	920717	151.12	198.35	299.85	24.93	0.2546	2.8321	9	0	E	W
1992	OO8	13.0	920717	145.31	219.07	289.51	1.32	0.1036	2.8638	9	0	E	W
1992	OT8	14.0	920717	316.81	242.72	119.95	5.94	0.2233	2.5594	6	0	E	W
1992	OE9	14.0	920717	358.45	334.06	334.10	1.41	0.1303	2.5996	2	9	E	W
1992	OF9	12.5	920717	19.22	175.19	100.74	2.17	0.2317	3.2271	9	9		W
1992	OJ9	12.5	920717	281.86	38.11	8.49	4.28	0.2128	2.7797	3	9		W
1992	OT9	12.5	920717	221.42	339.53	105.85	8.83	0.0255	2.7958	7	0		W
1992	OZ9	11.5	920717	358.61	250.30	53.26	3.81	0.0492	3.8360	6	0	E	W
1992	OA10	11.5	920717	200.44	108.62	0.42	4.41	0.2334	2.6590	4	9		W
1992	OB10	13.0	920717	101.21	83.84	98.95	5.66	0.1660	2.2568	4	0		W
1992	OC10	13.5	920717	357.78	335.80	330.39	6.52	0.1416	2.9094	5	0		W
1992	OF10	14.5	920717	335.72	212.60	126.88	5.21	0.2568	2.7269	4	0	E	W
1992	OG10	15.0	920717	357.06	122.45	181.46	0.50	0.2407	2.7837	6	0	E	W
1992	OH10	14.5	920717	12.59	56.38	223.53	1.08	0.1864	2.6212	4	0	E	W
1992	PK	15.5	920717	325.65	58.67	301.06	5.48	0.2110	2.2038	16	0		W
1992	PL	14.5	920717	334.78	43.83	299.11	6.03	0.1064	2.6119	16	0		W
1992	PO	14.0	920717	316.40	73.23	310.45	11.70	0.2672	3.2386	14	0		M
1992	PT	15.5	920717	339.28	129.51	211.33	0.81	0.2067	2.4390	16	0		W
1992	PV	15.0	920717	293.52	185.51	201.92	2.55	0.0811	2.3286	14	0		M
1992	PX	15.0	920717	307.83	216.12	161.26	4.66	0.1376	2.3640	16	0		W
1992	PY	15.0	920717	308.52	83.08	311.87	21.25	0.2927	2.3316	16	0		W
1992	PZ	14.5	920717	317.42	112.45	253.48	1.76	0.1225	2.6477	14	0		M
1992	PB1	13.5	920717	310.72	225.69	149.50	8.08	0.1203	3.1496	16	0		W
1992	PD1	14.5	920717	333.48	183.39	160.99	4.43	0.0955	2.5615	14	0		M
1992	PK1	15.0	920717	304.62	68.11	314.47	6.84	0.1533	2.2927	16	0		W
1992	PL1	15.5	920717	318.83	192.12	184.55	1.22	0.2633	2.3693	14	0		M
1992	PN1	14.5	920717	309.37	70.55	312.89	11.54	0.1898	2.6739	16	0		W
1992	PO1	16.0	920717	352.93	21.00	299.65	3.12	0.2476	2.3978	16	0		W
1992	PP1	15.0	920717	233.64	162.96	289.85	3.62	0.1468	2.2413	14	0		M
1992	PQ1	15.5	920717	18.25	338.09	308.00	4.94	0.1482	2.3106	14	0		M
1992	PR1	15.5	920717	338.32	199.26	142.30	11.16	0.1744	2.4139	16	0		W
1992	PS1	14.5	920717	304.28	86.59	315.07	6.45	0.2908	2.6753	14	0		M
1992	PT1	16.5	920717	25.12	119.77	146.75	6.61	0.2545	2.2191	14	0		M
1992	PU1	13.0	920717	61.64	71.77	170.51	4.05	0.1151	3.1513	14	0		M

1992	PV1	14.5	920717	348.34	174.65	152.04	4.40	0.1742	2.2672	16	0	W
1992	PY1	15.0	920717	340.01	33.09	305.26	6.30	0.1394	2.3542	16	0	W
1992	PA2	15.5	920806	338.69	42.01	307.33	5.68	0.2175	2.2619	39	0	W
1992	PG2	14.2	920806	6.75	112.86	193.40	8.05	0.2855	2.7450	23	8	E
1992	PH2	12.6	920806	343.99	70.85	271.55	9.44	0.1402	3.0409	23	8	E
1992	PL2	11.8	920806	122.18	260.49	296.30	20.46	0.0556	3.1889	23	8	E
1992	PM2	15.0	920806	1.96	72.42	244.18	4.71	0.1875	2.2823	28	0	E
1992	PN2	14.5	920806	344.39	106.17	239.50	5.45	0.1461	2.3984	25	8	E
1992	PO2	14.3	920806	335.52	148.58	209.08	6.10	0.1434	2.2925	25	8	E
1992	PQ2	14.4	920806	323.64	103.39	268.61	5.74	0.1273	2.2742	25	0	E
1992	PU2	13.0	920806	323.20	170.18	199.80	7.50	0.0378	2.7782	26	8	E
1992	PV2	13.0	920806	352.70	60.00	272.55	8.96	0.1248	3.0055	26	0	E
1992	PW2	15.1	920826	351.07	131.28	216.25	7.23	0.3020	2.8809	22	8	E
1992	PY2	12.5	920806	281.80	125.97	287.63	14.29	0.0801	2.6190	18	6	E
1992	PC3	12.6	920806	353.85	62.02	273.68	11.63	0.1605	3.0528	19	0	E
1992	PE3	14.6	920806	341.28	112.43	239.00	5.52	0.1965	2.2513	25	0	E
1992	PH3	12.1	920806	112.71	252.60	298.97	13.11	0.1988	2.7973	17	6	E
1992	PT3	15.0	920717	3.61	218.47	83.16	2.31	0.2798	2.2053	5	0	E W
1992	PY3	15.5	920717	341.27	44.93	302.01	4.85	0.2992	2.5417	7	0	M
1992	PZ3	14.0	920717	314.47	52.33	323.30	6.68	0.1799	2.2378	10	0	W
1992	PA4	12.5	920717	355.21	69.34	254.97	0.31	0.1751	3.0818	7	3	M
1992	PH4	14.5	920717	14.26	323.38	324.23	1.93	0.2609	2.3585	4	7	W
1992	PB6	14.0	920717	354.58	181.44	127.00	9.05	0.1075	2.2535	2	9	E W
1992	PD6	12.5	920717	180.19	32.98	91.52	5.06	0.1169	2.4696	3	9	E W
1992	PE6	14.0	920717	10.55	309.10	337.54	3.44	0.1202	2.2885	3	9	W
1992	PL6	15.5	920717	6.62	334.44	322.83	7.95	0.1812	2.1843	3	9	W
1992	PP6	13.0	920806	71.62	106.99	132.71	11.45	0.0643	2.4433	3	0	E W
1992	PQ6	12.5	920806	0.83	353.69	323.95	16.51	0.1386	3.2051	3	0	E W
1992	PR6	13.0	920806	339.48	25.85	330.74	9.51	0.2993	3.0390	4	0	E W
1992	QE2	13.5	920826	355.47	164.46	180.70	13.16	0.2484	2.9664	6	6	E
1992	RO1	13.5	920806	0.48	181.83	136.08	12.77	0.2569	2.4061	63	0	W
1992	RP1	14.5	920826	359.79	157.53	181.81	3.07	0.2427	3.1494	21	0	M
1992	RT1	16.0	920826	346.31	163.73	195.05	2.04	0.1902	2.4034	21	0	M
1992	RU1	14.0	920826	95.44	45.53	188.51	4.25	0.0936	2.4791	21	0	M
1992	RW1	16.0	920826	351.82	181.85	171.88	5.48	0.3014	2.5769	21	0	M
1992	RA2	14.0	920826	326.73	47.37	337.02	14.51	0.1489	2.8379	21	0	M
1992	RD2	14.0	920826	355.45	178.96	167.47	14.21	0.1627	2.9796	21	0	M
1992	RE2	14.0	920826	248.29	109.47	348.32	1.28	0.0556	2.9081	21	0	M
1992	RF2	15.0	920826	305.44	215.20	193.56	4.38	0.1381	2.3313	21	0	M
1992	RJ2	15.5	920826	2.78	81.19	253.23	1.20	0.2117	2.3981	21	0	M
1992	RK2	15.0	920826	260.27	169.19	286.64	1.66	0.1459	2.2937	21	0	M
1992	RO2	14.0	920826	68.99	91.17	170.95	14.55	0.0872	2.6676	21	0	M
1992	RQ2	13.5	920826	316.74	39.54	345.60	1.45	0.0153	2.9020	21	0	M
1992	RV2	14.0	920826	335.84	200.64	169.62	7.31	0.1043	2.7803	21	0	M
1992	RW2	14.0	920915	13.23	0.89	328.72	6.05	0.1411	2.2743	26	0	M
1992	RZ2	15.0	920826	333.87	37.81	341.28	18.09	0.2042	2.6580	21	0	M
1992	RA3	16.5	920826	339.67	87.82	282.87	1.18	0.2120	2.3772	21	0	M
1992	RB3	13.5	920826	357.51	96.73	247.16	0.55	0.0950	2.9678	21	0	M
1992	RD3	15.0	920826	311.09	76.42	326.71	5.29	0.1447	2.2798	21	0	M
1992	RG3	15.5	920826	21.45	132.25	169.62	13.45	0.2731	2.5805	21	0	M
1992	RH3	16.0	920826	354.93	131.40	214.61	1.13	0.1334	2.1520	21	0	M
1992	RJ3	14.5	920826	71.53	272.26	344.46	7.14	0.1063	2.3661	21	0	M
1992	RK3	15.0	920826	8.18	345.94	338.91	1.79	0.2820	3.0640	21	0	M
1992	RL3	16.0	920826	21.03	137.63	169.44	5.21	0.2065	2.2564	21	0	M
1992	RO3	13.5	920826	56.91	68.48	198.57	0.45	0.1649	3.0606	21	0	M
1992	RP3	14.0	920826	247.86	303.57	164.68	12.66	0.1508	2.4684	21	0	M
1992	RR3	15.5	920826	307.66	69.71	335.55	6.54	0.1263	2.2224	21	0	M
1992	RS3	15.5	920826	23.82	103.49	205.18	2.34	0.1415	2.2616	21	0	M
1992	RT3	15.0	920826	1.13	357.04	341.76	6.75	0.1276	2.5207	21	9	M

1992	RU3	14.5	920826	91.47	267.28	331.26	4.15	0.0972	2.2802	21	0	M
1992	RV3	16.0	920826	350.11	33.13	321.28	3.49	0.1857	2.3087	21	0	M
1992	RW3	14.0	920915	9.85	53.97	280.83	0.78	0.0724	2.9150	32	0	M
1992	RY3	15.5	920826	24.75	332.08	333.07	5.94	0.1717	2.2909	21	0	M
1992	RZ3	15.0	920826	71.86	49.88	206.05	0.64	0.1143	2.2694	21	0	M
1992	RB4	15.5	920826	328.44	217.41	166.64	2.80	0.1719	2.3687	21	0	M
1992	RC4	14.5	920826	335.11	140.43	231.72	1.62	0.1044	2.6756	21	0	M
1992	RO4	15.0	920826	16.92	345.98	334.18	5.89	0.1045	2.4100	21	0	M
1992	RR4	15.0	920826	312.98	225.98	173.91	6.06	0.1263	2.3589	21	0	M
1992	RS4	15.0	920826	43.41	312.66	326.90	1.67	0.1949	2.5983	21	0	M
1992	RG5	14.0	920826	48.42	193.40	99.07	2.20	0.1045	3.0288	21	0	M
1992	RH5	14.0	920826	342.55	304.84	65.74	3.39	0.0893	2.9792	21	0	M
1992	RJ5	14.0	920826	352.23	278.77	81.39	3.40	0.1729	3.0742	21	0	M
1992	RL5	16.0	920826	4.23	331.30	7.22	6.18	0.2613	2.6065	21	0	M
1992	RM5	15.5	920826	318.00	18.90	30.96	3.07	0.2194	2.4125	21	0	M
1992	RN5	16.0	920826	3.59	320.63	18.76	4.83	0.2557	2.5516	21	0	M
1992	RP5	16.5	920826	356.29	271.09	79.01	2.82	0.2303	2.2368	21	0	M
1992	RR5	14.0	920826	237.61	40.59	88.66	4.09	0.1988	2.4609	21	0	M
1992	RS5	15.0	920826	287.85	47.86	26.01	4.57	0.1177	2.3388	21	0	M
1992	RT5	15.5	920826	47.01	271.30	8.90	7.92	0.2014	2.3239	21	0	M
1992	RU5	16.5	920826	4.80	295.51	42.58	2.80	0.2295	2.4574	21	0	M
1992	RV5	15.0	920826	32.53	220.98	81.06	3.52	0.1708	2.4507	21	0	M
1992	RZ5	14.0	920826	191.28	79.14	83.38	3.05	0.1549	2.4056	21	0	M
1992	RC6	15.0	920826	32.10	182.76	118.99	2.06	0.1962	2.5514	21	0	M
1992	RE6	14.0	920826	249.84	30.80	76.04	3.28	0.0488	2.8851	21	0	M
1992	RN6	14.0	920826	2.19	332.66	14.42	10.25	0.1231	2.9681	21	0	M
1992	RV6	14.0	920826	15.22	244.03	81.28	2.23	0.1938	3.1303	21	0	M
1992	RW6	14.0	920826	39.86	208.97	94.88	3.57	0.0624	2.8801	21	0	M
1992	RX6	13.5	920826	322.75	24.66	8.48	9.63	0.0938	3.0424	21	0	M
1992	RY6	14.0	920826	33.25	140.44	157.53	8.21	0.2111	2.8029	21	0	M
1992	RZ6	15.5	920826	19.94	300.35	19.17	4.03	0.1569	2.5786	21	0	M
1992	RA7	16.0	920826	35.48	267.12	26.75	3.02	0.1932	2.2023	21	0	M
1992	RC7	14.0	920826	336.09	247.42	132.29	2.77	0.1252	2.9340	21	0	M
1992	RD7	14.0	920826	335.50	256.40	119.24	3.05	0.0283	2.9439	21	0	M
1992	RE7	15.0	920826	311.65	47.43	11.48	7.70	0.2307	2.5606	21	0	M
1992	RG7	16.0	920826	351.65	342.01	15.12	4.68	0.1923	2.2664	21	0	M
1992	RH7	15.0	920826	246.61	71.08	36.22	4.64	0.0658	2.2307	21	0	M
1992	RJ7	13.5	920826	54.23	124.51	157.85	5.79	0.1393	3.1669	21	0	M
1992	RL7	15.0	920826	301.95	312.41	112.34	2.76	0.1787	2.3714	21	0	M
1992	RM7	14.0	920826	308.21	355.11	64.78	2.31	0.1748	3.1094	21	0	M
1992	RN7	14.0	920826	346.19	353.33	15.23	6.25	0.1696	3.0662	21	0	M
1992	RO7	15.0	920826	60.72	236.75	27.97	5.96	0.1952	2.3682	21	0	M
1992	RQ7	15.0	920826	14.08	208.75	121.48	3.15	0.1112	2.5172	21	0	M
1992	RR7	16.0	920826	9.88	244.22	86.14	2.89	0.2019	2.3966	21	0	M
1992	SU	12.5	920915	320.34	262.57	177.52	17.73	0.2748	2.9914	10	9	W
1992	SL1	14.0	920915	355.42	18.49	4.50	19.77	0.0760	1.9193	6	5	W
1992	SV1	15.0	920915	9.80	328.43	3.57	5.66	0.3412	2.1608	3	0	E M
1992	SF14	13.5	921025	9.01	140.75	228.63	18.04	0.3115	2.5769	54	9	W
1992	SW17	12.0	921025	10.07	94.70	281.15	14.02	0.1561	2.7473	56	8	W
1992	SO23	14.0	920915	17.04	245.77	100.68	5.14	0.1534	2.3627	3	6	W
1992	TN1	14.2	921005	28.06	191.07	149.39	5.67	0.1907	2.2292	4	6	E
1992	UG	12.8	921114	12.07	302.07	83.45	6.52	0.2825	2.5970	58	0	N
1992	UJ	14.0	921114	355.71	93.62	308.32	2.36	0.1889	2.5432	56	8	W
1992	UW	13.7	921025	7.67	18.80	2.51	2.89	0.2380	2.5492	36	0	N
1992	UX	13.5	921025	18.20	304.59	67.04	7.62	0.1280	2.3391	33	0	U
1992	UY	14.1	921114	12.09	206.57	179.85	6.52	0.1823	2.3102	33	0	N
1992	UZ	13.0	921025	30.37	281.50	59.99	13.48	0.2880	2.5958	33	0	U
1992	UF1	13.7	921025	8.71	349.01	31.37	8.03	0.2214	2.4053	29	0	N
1992	UQ1	14.5	921114	324.66	56.52	30.87	7.29	0.1863	2.3843	56	6	W

1992	UZ1	13.5	921025	9.46	74.15	308.80	5.50	0.1549	2.4435	60	9	W
1992	UD2	14.0	921204	17.75	336.54	45.91	26.18	0.2606	2.3494	50	0	N
1992	UJ2	12.5	921025	52.53	106.02	227.72	9.11	0.1119	2.9915	32	9	W
1992	UK2	13.5	921114	355.55	19.42	32.70	15.70	0.2141	2.5883	36	0	N
1992	UN2	14.4	921114	359.40	358.29	50.34	3.04	0.1981	2.3882	35	0	N
1992	UW2	14.3	921025	34.10	284.87	54.09	5.93	0.2154	2.2796	49	0	E
1992	UX2	14.3	921114	48.16	124.31	211.48	5.98	0.2226	2.2538	35	0	N
1992	UY2	13.7	921114	351.85	211.43	205.41	4.95	0.0749	2.2942	27	0	N
1992	UZ2	14.5	921114	359.90	336.79	70.26	3.13	0.0727	2.9005	35	0	N
1992	UB3	12.1	921114	43.45	312.24	43.98	13.19	0.1226	2.6530	35	0	N
1992	UD4	11.9	921025	47.96	120.80	209.35	11.03	0.2274	3.0299	26	6	N
1992	UJ4	13.1	921025	71.22	158.33	149.45	7.93	0.1591	2.2716	21	6	N
1992	UL4	12.5	921025	95.48	210.55	87.76	10.55	0.0326	2.6046	21	6	N
1992	UP4	13.2	921025	288.40	354.32	127.15	6.40	0.0988	2.2289	21	6	N
1992	UW4	15.0	921025	55.90	95.25	228.80	22.54	0.1210	1.8839	41	8	W
1992	UN5	11.8	921025	344.01	7.92	57.01	18.78	0.2523	3.9735	20	6	N
1992	UO5	12.9	921025	331.10	356.20	77.41	9.62	0.0854	2.7300	20	6	N
1992	UX5	13.1	921025	291.69	319.03	160.41	5.36	0.0763	2.2822	24	6	N
1992	UZ5	12.0	921025	332.48	11.47	66.37	14.60	0.0989	3.1271	24	6	N
1992	UA6	13.8	921114	23.07	101.36	283.04	2.75	0.1124	2.3651	30	0	N
1992	UC6	13.9	921114	22.91	143.86	240.84	6.95	0.1133	2.2893	30	0	N
1992	UE6	13.7	921114	358.54	353.98	64.18	8.02	0.1397	2.2512	49	0	N
1992	UH6	13.8	921114	38.41	292.30	64.82	6.23	0.1953	2.2187	34	0	N
1992	UL6	13.3	921025	334.42	5.14	74.89	6.35	0.1787	2.7410	24	6	N
1992	UQ6	13.6	921114	15.21	55.92	335.22	6.47	0.1792	2.2966	30	8	N
1992	UU6	13.5	921005	325.02	268.45	158.36	13.20	0.1587	2.5646	24	7	W
1992	UV6	12.0	921025	110.28	219.64	66.11	10.13	0.1425	2.7574	25	0	W
1992	UZ6	13.5	921114	10.41	119.78	273.41	3.75	0.1816	2.5315	24	8	N
1992	UK8	14.0	921025	16.01	132.38	239.98	3.86	0.1642	2.3033	32	9	D W
1992	UL8	13.1	921114	6.89	138.05	262.38	11.87	0.2046	2.6532	29	7	N
1992	VC	12.3	921114	82.77	249.90	55.29	13.98	0.1933	2.5853	32	0	N
1992	VF	14.3	921114	25.40	179.22	200.80	2.89	0.1952	2.2105	25	0	N
1992	VL	12.8	921114	17.97	262.04	111.08	9.17	0.3062	3.0125	25	6	N
1992	WB	12.5	921114	26.07	340.15	22.36	9.87	0.1044	2.6811	47	8	W
1992	WH	13.5	921114	88.66	72.10	234.36	5.44	0.1543	2.3687	11	7	W
1992	WJ	14.4	921114	322.86	82.57	23.22	2.20	0.1883	2.3760	11	0	N
1992	WL	13.1	921114	335.43	53.93	42.84	6.08	0.2785	3.0857	11	0	N
1992	WP	13.7	921114	14.26	336.07	57.06	13.09	0.1798	2.5422	27	8	N
1992	WR	13.8	921114	330.15	35.76	56.02	6.25	0.1158	2.3474	11	6	E N
1992	WU	14.3	921204	22.52	158.39	232.84	5.05	0.1802	2.2579	17	0	N
1992	WV	14.8	921114	354.09	196.91	227.11	3.79	0.1884	2.1612	11	8	E N
1992	WY	13.5	921114	60.36	87.61	235.43	7.44	0.3028	2.4650	10	0	W
1992	WZ	14.0	921114	6.60	350.00	58.34	5.28	0.1452	2.2205	7	0	W
1992	WC1	14.0	921114	41.84	86.57	268.86	3.92	0.2155	2.1870	5	6	E N
1992	WE1	14.1	921114	43.06	262.41	89.53	4.89	0.2105	2.2978	11	6	N
1992	WF1	11.3	921204	41.97	263.55	101.81	11.07	0.1045	3.0280	29	8	N
1992	WH1	12.3	921204	40.55	238.56	128.13	6.93	0.1581	2.4044	29	8	N
1992	WJ1	12.8	921204	39.63	293.00	71.99	14.06	0.2121	2.6911	30	0	N
1992	WK1	11.7	921204	14.46	324.73	76.53	18.25	0.2136	3.1462	30	0	N
1992	WP1	11.9	921114	4.44	316.96	95.47	13.19	0.1086	3.0640	29	6	N
1992	WQ1	12.8	921204	13.59	167.74	244.81	21.35	0.0574	2.5613	16	0	N
1992	WS1	13.0	921114	315.18	49.18	75.63	7.18	0.1801	3.1696	9	6	W
1992	WT1	12.9	921204	31.03	291.23	84.25	7.53	0.2630	2.7589	27	0	N
1992	WV1	14.7	921114	345.50	16.54	58.57	3.37	0.1989	2.3382	11	6	N
1992	WB2	13.0	921114	76.90	336.06	336.01	1.76	0.2358	2.6342	7	7	E W
1992	WC2	12.9	921204	22.93	313.65	74.86	0.40	0.1664	3.1519	9	6	E N
1992	WD2	14.5	921114	306.20	70.78	54.11	13.42	0.1543	1.8807	3	8	E M
1992	WE2	14.5	921114	5.79	1.24	45.78	5.15	0.1911	2.3784	9	7	W
1992	WF2	13.5	921114	349.10	64.03	7.75	1.74	0.1588	2.8603	7	0	W

1992	WG2	13.4	921114	339.12	170.04	275.09	1.00	0.1608	2.4377	9 6	N
1992	WH2	11.0	921114	202.24	343.09	240.27	15.99	0.2235	2.9155	9 6	N
1992	WJ2	13.5	921114	72.05	278.13	51.32	6.86	0.1367	2.3135	9 9	W
1992	WK2	14.0	921114	304.30	230.82	250.88	2.72	0.0897	2.3418	6 7	W
1992	WL2	13.0	921114	292.25	83.55	56.05	11.01	0.1264	2.6912	6 7	W
1992	WR2	13.5	921114	3.93	342.48	70.47	1.64	0.1927	2.7924	11 6	N
1992	WS2	11.5	921114	100.53	272.59	25.35	1.18	0.2175	3.1429	7 7	W
1992	WT2	13.0	921114	83.11	218.08	112.90	4.61	0.0650	2.2833	9 9	N
1992	WZ2	13.0	921114	63.74	283.90	56.13	19.07	0.1274	2.7381	9 9	W
1992	WA3	14.6	921114	357.75	37.22	23.52	2.30	0.1918	2.3431	11 6	N
1992	WJ3	13.0	921114	201.45	46.20	174.67	5.81	0.0821	2.3133	8 9	W
1992	WM3	13.7	921204	5.51	355.58	75.20	2.87	0.0814	2.1547	24 0	N
1992	WN3	12.8	921204	17.86	338.32	71.57	9.61	0.2207	2.7619	33 0	N
1992	WO3	13.6	921204	349.19	237.39	221.40	20.85	0.2611	2.3103	33 0	N
1992	WR3	11.2	921204	318.38	27.70	92.72	14.00	0.1098	2.6804	31 0	N
1992	WS3	13.3	921114	331.70	143.62	317.41	2.18	0.1911	2.3595	15 6	N
1992	WT3	14.5	921114	351.22	337.58	93.84	7.61	0.2205	2.4651	10 0	W
1992	WY3	13.5	921114	87.67	225.82	91.47	10.25	0.1214	2.5789	10 7	W
1992	WE4	13.3	921204	36.15	304.33	68.28	16.49	0.1912	2.5283	30 0	N
1992	WG4	15.0	921114	23.81	283.94	101.67	2.30	0.1624	2.2030	6 7	W
1992	WP4	12.0	921114	21.96	74.78	325.05	14.30	0.1815	2.5695	10 5	W
1992	WQ4	14.0	921114	15.36	149.24	233.61	19.68	0.2149	2.2492	5 6	W
1992	WS4	14.2	921204	4.40	27.47	27.75	8.10	0.1607	2.5564	17 0	N
1992	WY4	14.0	921114	338.83	185.12	267.50	17.88	0.0756	1.9561	6 6	W
1992	WG5	12.8	921204	327.27	21.92	88.12	14.14	0.1111	2.7092	31 6	N
1992	WO5	13.0	921224	51.81	279.51	98.19	4.14	0.0358	2.3327	24 0	N
1992	WR5	11.8	921204	39.70	112.30	262.55	9.29	0.1447	3.0483	18 6	N
1992	WS5	12.0	921114	355.87	3.88	64.98	22.22	0.1216	3.1146	2 7	E W
1992	WW6	15.0	921114	161.89	167.33	93.08	16.26	0.2122	2.4683	2 9	W
1992	WD8	13.5	921204	318.32	197.64	296.03	24.46	0.2319	2.4539	27 0	M
1992	WH8	14.3	921114	68.20	324.17	3.14	1.02	0.1406	2.1702	7 7	E N
1992	WJ8	13.5	921114	357.55	58.38	357.39	1.05	0.2496	2.9610	7 7	E W
1992	XE	13.5	921224	345.16	6.46	100.02	6.19	0.1054	2.2556	16 7	N
1992	XK	13.8	921224	36.96	108.61	282.28	1.30	0.2232	2.4808	7 8	N
1992	XL	13.6	921224	4.95	357.24	82.79	6.76	0.1843	2.8897	7 8	N
1992	XM	12.1	921224	64.77	105.16	252.50	10.17	0.1253	3.0205	24 7	N
1992	YB	13.9	921224	44.50	253.65	144.83	6.19	0.1319	2.3482	9 8	U
1992	YC	12.0	921204	19.48	129.63	264.98	24.56	0.2832	2.2870	9 8	M
1992	YD	12.6	921224	339.65	17.41	95.90	16.68	0.0698	2.6325	12 7	N
1992	YE	14.0	921224	38.21	102.10	301.02	6.72	0.1107	2.2856	6 6	N
1992	YH	12.6	921224	31.53	337.79	70.18	13.85	0.1953	2.5927	12 8	N
1992	YJ	13.5	921224	56.78	107.97	267.08	17.27	0.2252	2.2598	4 7	U
1992	YK	12.8	921224	6.99	77.90	10.12	7.00	0.0601	2.3740	10 6	N
1992	YM	13.2	930113	21.02	328.23	108.63	13.27	0.1459	2.5456	10 5	E N
1992	YN	13.6	921224	32.93	154.97	257.37	4.60	0.1770	2.3614	9 5	N
1992	YP	13.8	921224	23.36	297.82	113.50	5.45	0.1244	2.2738	9 8	N
1992	YS	13.6	921224	52.40	257.68	117.08	4.67	0.1371	2.2867	8 7	N
1992	YW	13.0	921224	51.79	229.47	157.57	6.23	0.2712	2.5714	4 5	E N
1992	YY	11.8	921224	240.28	320.25	267.65	10.68	0.0474	2.5268	8 0	N
1992	YA1	14.6	921224	6.95	259.31	172.63	2.08	0.1904	2.2757	4 6	N
1992	YB1	12.0	921224	46.45	47.82	359.17	1.52	0.1531	3.0113	6 6	E W
1992	YT2	14.2	921224	43.75	270.13	114.02	12.86	0.3163	2.1801	7 5	E N
1992	YU2	13.9	921224	21.40	195.25	228.04	3.93	0.2933	2.5938	7 6	N
1992	YW2	14.3	921224	24.21	155.22	263.13	9.18	0.2943	2.4722	4 7	N
1992	YY2	14.9	930113	335.65	225.38	266.05	10.52	0.1494	2.5185	3 4	E N
1992	YZ2	14.1	930113	17.05	316.85	119.91	3.20	0.1298	2.5486	3 4	E N
1992	YB3	18.5	921224	10.31	316.69	100.07	6.55	0.3148	2.3454	8 8	M
1992	YE3	11.5	921224	306.26	52.10	105.46	11.80	0.1247	3.1607	13 0	N
1992	YE4	13.5	921224	48.39	239.59	151.82	4.00	0.2771	2.6629	8 6	E W

1126	T-1	15.5	710419	41.64	164.15	329.22	2.04	0.1861	2.4440	51	0	W
1145	T-1	15.5	710419	33.55	192.91	316.72	3.64	0.1268	2.4603	51	0	W
1150	T-1	15.5	710419	333.32	316.94	273.10	2.41	0.1747	2.5838	51	0	W
1269	T-1	14.5	710419	79.24	105.02	351.86	8.92	0.1323	2.7634	51	0	W
1275	T-1	16.0	710419	304.52	277.44	352.84	5.23	0.1952	2.1800	51	0	W
1276	T-1	15.5	710419	310.04	37.33	221.48	2.97	0.1530	2.2699	51	0	W
1291	T-1	15.0	710419	345.60	12.71	199.50	11.66	0.1324	2.6436	50	0	W
3074	T-1	14.0	710419	30.49	152.23	1.13	5.35	0.1121	3.2204	50	9	W
3078	T-1	15.0	710419	93.82	228.11	204.64	4.03	0.2390	2.2821	51	0	W
3101	T-1	15.0	710419	297.36	354.98	277.25	1.79	0.1427	2.3782	50	0	W
3113	T-1	15.5	710419	24.13	141.98	22.14	1.54	0.1192	2.2815	51	0	W
3119	T-1	14.5	710419	33.67	260.69	252.46	1.55	0.1099	2.3995	51	0	W
3203	T-1	15.5	710419	59.95	133.64	353.00	5.08	0.0840	2.2865	51	0	W
3216	T-1	14.0	710419	273.40	75.59	207.73	2.12	0.0295	2.7583	53	0	W
3222	T-1	15.0	710419	263.70	81.85	231.60	1.60	0.2095	2.1280	50	0	W
3224	T-1	15.0	710419	74.13	113.61	1.72	7.38	0.0511	2.2523	51	0	W
3225	T-1	14.0	710419	343.08	290.89	286.44	0.83	0.1495	2.9664	53	0	W
3228	T-1	15.5	710419	358.59	236.01	322.44	1.40	0.1562	2.4365	52	0	W
3230	T-1	15.5	710419	8.59	346.21	198.59	8.77	0.1524	2.4362	50	9	W
3266	T-1	14.0	710419	8.15	178.79	4.89	0.84	0.1092	3.1673	53	0	W
3268	T-1	15.5	710419	310.94	253.74	358.63	6.68	0.0813	2.3679	51	0	W
3273	T-1	15.0	710419	304.50	256.30	14.76	2.32	0.1895	2.3839	53	0	W
3274	T-1	13.0	710419	182.31	187.86	182.72	13.20	0.1777	2.7245	53	0	W
3284	T-1	13.5	710419	115.38	48.40	9.99	10.99	0.2050	3.1002	51	5	W
3285	T-1	15.0	710419	48.41	296.85	189.83	4.86	0.2070	2.4567	53	0	W
3290	T-1	14.5	710419	299.87	271.29	354.25	6.26	0.0895	2.3842	53	0	W
3314	T-1	14.5	710419	318.19	55.37	195.40	12.67	0.1485	2.6426	53	0	W
3329	T-1	14.5	710419	251.51	112.54	196.49	9.95	0.0587	3.0143	53	0	W
4217	T-1	15.5	710419	29.44	62.40	91.65	3.05	0.1577	2.4223	53	0	W
4220	T-1	14.0	710419	254.66	126.49	181.23	10.35	0.1002	2.9955	53	0	W
4221	T-1	14.0	710419	354.13	31.23	168.28	4.62	0.0914	3.0716	53	0	W
4262	T-1	14.0	710419	25.38	87.72	75.16	3.29	0.0811	2.7424	51	9	W
4265	T-1	15.0	710419	74.67	7.35	99.98	2.51	0.1051	2.2476	53	0	W
4281	T-1	15.5	710419	306.53	162.35	98.78	2.55	0.1403	2.5955	51	9	W
4302	T-1	15.0	710419	10.08	127.67	53.59	5.42	0.0746	2.5755	53	0	W
4310	T-1	14.0	710419	86.81	65.93	19.92	13.98	0.1697	2.7400	51	0	W
4320	T-1	16.0	710419	29.65	116.02	43.25	3.47	0.1016	2.2742	51	9	W
4322	T-1	16.0	710419	336.05	67.84	158.74	2.97	0.1323	2.4341	51	9	W
4339	T-1	15.0	710419	307.51	212.59	43.11	6.73	0.0964	2.3463	53	0	W
4342	T-1	15.5	710419	45.35	90.90	50.95	5.23	0.0723	2.5464	51	8	W
4348	T-1	14.0	710419	19.62	125.92	41.39	6.88	0.1271	3.1691	53	0	W
4355	T-1	13.5	710419	161.43	238.94	147.58	4.31	0.1633	2.3477	53	0	W
4370	T-1	15.5	710419	192.87	259.02	104.04	2.77	0.0700	2.1349	53	0	W
4371	T-1	16.0	710419	0.09	44.30	152.46	2.63	0.1465	2.3099	53	0	W
4373	T-1	15.5	710419	28.60	133.01	17.08	12.94	0.2304	2.7770	51	0	W
4406	T-1	14.5	710419	13.71	160.57	19.23	15.03	0.0076	2.6231	49	0	W

1991 PB2 = 1991 RL11 (G. V. Williams)

1992 UK8 = 1992 UM8 (G. V. Williams)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5 Bowell
 (149) Medusa Obs. 55 M 157.52856 Peri. 250.79006
 H 10.79 G 0.15 Opp. 23 n 0.30728632 Node 159.68790
 rms res. 0".77 (M-C) 1933-1990 e 0.0653097 Incl. 0.93478

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5 Bowell
 (962) Aslog Obs. 85 M 156.94609 Peri. 223.55534
 H 11.52 G 0.15 Opp. 20 n 0.19861722 Node 145.88042
 rms res. 0".87 (M-C) 1921-1991 e 0.0966414 Incl. 2.59717

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5						Bowell	
(1771) Makover		Obs.	33	M	246.17023	Peri.	319.16185
H 10.1 G 0.15		Opp.	11	n	0.17903827	Node	86.60114
rms res. 0".95 (M-C)		1938-1992		e	0.1791746	Incl.	11.25340
Epoch 1993 Jan. 13.0 TT = JDT 2449000.5						Bowell	
(1808) Bellerophon		Obs.	39	M	355.93376	Peri.	45.91388
H 12.1 G 0.15		Opp.	11	n	0.21635961	Node	13.69853
rms res. 0".77 (M-C)		1955-1990		e	0.1792634	Incl.	2.04511
Epoch 1993 Jan. 13.0 TT = JDT 2449000.5						Williams	
(1864) Daedalus		Obs.	44	M	39.90244	Peri.	325.45255
H 14.85 G 0.15		Opp.	7	n	0.55816658	Node	6.79318
rms res. 0".80 (M-C)		1971-1992		e	0.6148878	Incl.	22.18089
Epoch 1993 Jan. 13.0 TT = JDT 2449000.5						Bowell	
(2162) Anhui		Obs.	41	M	110.21186	Peri.	285.36068
H 13.0 G 0.15		Opp.	14	n	0.29638070	Node	128.76253
rms res. 0".83 (M-C)		1908-1991		e	0.1234902	Incl.	3.04609
Epoch 1993 Jan. 13.0 TT = JDT 2449000.5						Bowell	
(2238) Steshenko		Obs.	53	M	304.76175	Peri.	296.10532
H 11.9 G 0.15		Opp.	8	n	0.18363271	Node	33.67505
rms res. 0".77 (M-C)		1972-1992		e	0.1729411	Incl.	1.31834
Epoch 1993 Jan. 13.0 TT = JDT 2449000.5						Bowell	
(2426) Simonov		Obs.	57	M	120.66535	Peri.	5.60438
H 11.4 G 0.15		Opp.	12	n	0.19839331	Node	237.61787
rms res. 0".95 (M-C)		1931-1991		e	0.1161236	Incl.	8.47961
Epoch 1993 Jan. 13.0 TT = JDT 2449000.5						Bowell	
(2436) Hatshepsut		Obs.	17	M	109.04828	Peri.	290.86227
H 12.1 G 0.15		Opp.	6	n	0.17510980	Node	234.43392
rms res. 0".85 (M-C)		1960-1992		e	0.1174563	Incl.	4.08572
Epoch 1993 Jan. 13.0 TT = JDT 2449000.5						Bowell	
(2587) Gardner		Obs.	34	M	116.91522	Peri.	187.65465
H 11.2 G 0.15		Opp.	7	n	0.17477842	Node	87.87621
rms res. 0".84 (M-C)		1980-1992		e	0.1538204	Incl.	2.63401
Epoch 1993 Jan. 13.0 TT = JDT 2449000.5						Bowell	
(2602) Moore		Obs.	45	M	271.76479	Peri.	65.20237
H 13.0 G 0.15		Opp.	8	n	0.26765431	Node	158.41084
rms res. 0".96 (M-C)		1950-1991		e	0.1056367	Incl.	5.53899
Epoch 1993 Jan. 13.0 TT = JDT 2449000.5						Bowell	
(2766) Leeuwenhoek		Obs.	28	M	283.09457	Peri.	145.93800
H 13.0 G 0.15		Opp.	6	n	0.24210848	Node	330.85973
rms res. 0".93 (M-C)		1941-1990		e	0.1776294	Incl.	6.52067
Epoch 1993 Jan. 13.0 TT = JDT 2449000.5						Bowell	
(2845) Franklinen		Obs.	34	M	151.45683	Peri.	134.90420
H 13.4 G 0.15		Opp.	7	n	0.28993716	Node	144.59086
rms res. 0".77 (M-C)		1954-1991		e	0.1625966	Incl.	6.01053
Epoch 1993 Jan. 13.0 TT = JDT 2449000.5						Williams	
(2905) Plaskett		Obs.	57	M	34.73575	Peri.	218.80284
H 12.1 G 0.15		Opp.	8	n	0.20985357	Node	10.19017
rms res. 0".83 (M-C)		1973-1992		e	0.0933797	Incl.	8.90740

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5
 (3067) Akhmatova Obs. 18 M 338.42929
 H 13.0 G 0.15 Opp. 8 n 0.29289818
 rms res. 0".91 (M-C) 1938-1992 e 0.1374888

Bowell
 Peri. 94.92140
 Node 350.78105
 Incl. 4.52999

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5
 (3170) Dzhanibekov Obs. 44 M 166.10422
 H 12.0 G 0.15 Opp. 8 n 0.19685286
 rms res. 0".88 (M-C) 1966-1992 e 0.0898232

Williams
 Peri. 77.45085
 Node 27.25848
 Incl. 2.03048

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5
 (3181) Ahnert Obs. 54 M 224.78347
 H 12.8 G 0.15 Opp. 12 n 0.29612138
 rms res. 0".78 (M-C) 1931-1992 e 0.0650662

Bowell
 Peri. 304.29847
 Node 221.38750
 Incl. 3.95339

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5
 (3941) Haydn Obs. 29 M 230.80352
 H 12.9 G 0.15 Opp. 5 n 0.19668006
 rms res. 0".83 (M-C) 1973-1992 e 0.0220009

Williams
 Peri. 274.06727
 Node 185.70961
 Incl. 1.65418

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5
 (4244) 1981 TO3 Obs. 23 M 357.76034
 H 12.2 G 0.15 Opp. 6 n 0.17208930
 rms res. 0".90 (M-C) 1976-1992 e 0.1714637

Williams
 Peri. 273.19338
 Node 86.13100
 Incl. 1.77003

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5
 (4459) Nusamaibashi Obs. 14 M 2.19713
 H 13.3 G 0.15 Opp. 5 n 0.29117720
 rms res. 1".19 (M-C) 1924-1992 e 0.1176262

Bowell
 Peri. 282.52673
 Node 157.46946
 Incl. 2.78865

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5
 (4737) 1985 QO6 Obs. 18 M 285.69063
 H 12.7 G 0.15 Opp. 6 n 0.22260291
 rms res. 1".00 (M-C) 1954-1990 e 0.0747897

Bowell
 Peri. 153.65169
 Node 138.74289
 Incl. 4.58832

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5
 (4951) 1990 BM Obs. 21 M 343.22790
 H 13.3 G 0.15 Opp. 5 n 0.29069235
 rms res. 0".91 (M-C) 1931-1992 e 0.1661727

Bowell
 Peri. 339.47092
 Node 101.27206
 Incl. 7.52609

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5
 (4959) Niinoama Obs. 37 M 62.26594
 H 10.8 G 0.15 Opp. 8 n 0.17646793
 rms res. 0".80 (M-C) 1958-1992 e 0.0136839

Bowell
 Peri. 239.83525
 Node 129.37263
 Incl. 8.97442

(5409)* 1962 SR = 1987 SX20

Discovered 1962 Sept. 30 by F. Borngen at Tautenburg.

Id. T. Kobayashi (MPC 15549)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5
 M 101.11447 (2000.0) P Q
 n 0.23290170 Peri. 58.73636 +0.95281889 +0.26568146
 a 2.6163005 Node 285.50898 -0.30336076 +0.85007946
 e 0.1573373 Incl. 8.76283 +0.01041157 +0.45472880
 P 4.23 H 12.5 G 0.15

Schmadel
 Peri. 58.73636
 Node 285.50898
 Incl. 8.76283

Residuals in seconds of arc

491119	675	0.2-	0.4-	620930	033	0.3+	0.0	910712	801	0.5-	0.2+
491119	675	1.0-	0.4-	620930	033	0.5+	0.3-	910712	801	0.4-	0.2+
620926	033	1.0+	0.1+	870918	095	0.7-	0.5+	910713	801	0.4-	0.0
620927	033	0.4+	0.2+	870923	095	0.7-	1.3+	910806	801	0.3-	0.2+

910806	801	0.2-	0.3+	920927	033	0.5+	0.6-	921129	801	0.1+	0.3-
910811	801	0.2-	0.2+	920928	033	0.3+	0.4-	921221	801	0.1-	0.0
910811	801	0.6+	0.3+	921024	033	0.4-	0.1-	921221	801	0.6+	0.0
910813	046	1.7+	2.1-	921101	033	0.1-	0.1+	921225	801	0.2+	0.0
910813	046	0.1-	0.3+	921101	033	0.1-	0.2+	921225	801	0.0	0.0
910913	675	0.9+	0.1-	921102	033	0.3-	0.2+	921229	033	0.3-	0.3+
910913	675	0.4+	1.3-	921124	033	0.6+	0.7-	921230	033	0.3-	0.6+
920925	033	1.0-	1.2+	921124	033	0.2+	0.5-	930101	033	0.9-	0.2+
920927	033	0.7-	0.3-	921129	801	0.3+	0.6-				

(5410)* 1967 DA = 1988 DF

Discovered 1967 Feb. 16 by T. M. Smirnova at the Crimean Astrophysical Observatory.

Id. B. G. Marsden (MPC 13043)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 358.49890		(2000.0)		P		Marsden
n	0.18881824	Peri.	340.17890	-0.52604277		Q
a	3.0091240	Node	141.52470	+0.78941890		-0.84934191
e	0.2753897	Incl.	4.01453	+0.31638080		-0.50670017
P	5.22	H	12.9	G	0.15	-0.14789607

Residuals in seconds of arc

670208	095	1.6-	1.5-	880307	888	0.2-	0.2+	880318	033	0.3+	0.9-
670216	095	(1.8-	4.3+)	880308	888	1.1-	0.4-	880318	033	0.6+	0.4-
670303	095	1.4+	0.7+	880308	888	0.3+	0.8-	880322	888	1.2+	1.1+
811024	675	0.1-	0.2-	880310	888	(2.1-	1.9-)	880322	888	1.2+	1.1+
811025	675	0.2+	0.0	880310	888	1.7-	0.0	921128	801	0.2+	0.1+
811026	675	0.1-	0.0	880312	888	1.3-	0.2+	921128	801	0.1+	0.1-
880218	888	0.6+	1.1-	880312	888	0.9-	0.3+	921129	801	0.0	0.1-
880218	888	0.2-	1.4+	880316	400	(2.0+	0.1-)	921129	801	0.2-	0.2+
880219	888	(6.8-	0.9+)	880316	400	(3.5-	0.4-)	921225	801	0.3+	0.4+
880219	888	(6.2-	0.0)	880317	400	1.2+	2.3-	921225	801	0.2-	0.2+
880307	888	0.4-	0.8+	880317	400	0.7+	1.1+				

(5411)* 1973 AT3 = 1981 QJ4 = 1987 SF21

Discovered 1973 Jan. 2 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Id. A. Lowe (k, MPC 20803), G. V. Williams (ibid.)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 187.80809		(2000.0)		P		Williams
n	0.18258960	Peri.	224.18944	-0.99673939		Q
a	3.0771738	Node	318.40361	-0.01196904		+0.04754265
e	0.0330515	Incl.	5.63564	-0.07979555		-0.88615530
P	5.40	H	11.8	G	0.15	-0.46094303

Residuals in seconds of arc

730102	095	1.6-	1.0-	920922	589	0.7+	0.7-	921024	589	0.9-	0.3+
730104	095	1.3+	0.0	920922	589	0.7+	0.6-	921024	589	0.3-	0.9-
810830	675	0.1+	0.3-	920925	801	0.4+	0.7-	921024	589	0.8-	0.4-
810831	675	0.2+	0.2-	920925	801	0.5+	0.3-	921114	589	1.0-	1.5+
870918	095	1.6-	0.3-	920930	801	0.1+	0.9-	921114	589	0.1-	1.7+
870926	095	1.5+	0.4+	920930	801	0.5-	0.5-	921114	589	0.2-	2.0+
920922	589	0.3+	0.1-	921024	801	0.5-	0.5+				
920922	589	1.4+	0.4-	921024	801	0.2-	0.4+				

(5412)* 1973 SR3 = 1931 TK1 = 1977 VM = 1981 XN

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

Id. C. M. Bardwell (MPC 14943)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5
 M 37.73165 (2000.0) P Q
 n 0.25788849 Peri. 305.45287 +0.88437234 +0.46639643
 a 2.4444514 Node 26.76152 -0.41345234 +0.80155126
 e 0.1879009 Incl. 2.41483 -0.21666271 +0.37415231
 P 3.82 H 14.2 G 0.15

Residuals in seconds of arc

311006	024	1.8-	2.0+	730925	675	0.3-	0.6-	731005	675	0.0	1.2-
541022	760	(0.5+	3.7+)	730925	675	0.2-	0.5+	731005	675	2.7+	0.1-
541022	760	(4.4+	3.3+)	730925	095	2.3+	0.9+	771111	805	1.5-	0.3-
730919	675	0.4-	0.2-	730929	675	0.5+	2.7-	771112	805	0.4-	0.2-
730919	675	(0.6+	3.7+)	730929	675	0.1+	0.3-	811204	511	0.6+	0.1+
730919	675	1.0-	0.5-	730929	675	0.2-	0.1-	811204	511	0.3+	0.1-
730919	675	(0.2+	3.4+)	730929	675	0.1-	0.8+	920806	675	0.1-	0.9-
730920	675	1.2-	0.9+	730930	675	0.9+	1.5+	920806	675	0.1+	0.0
730920	675	0.2+	1.7+	730930	675	1.1+	0.7+	920925	801	0.1+	0.7+
730924	675	0.4-	1.3-	731004	675	1.3-	1.5-	920925	801	0.4+	0.7+
730924	675	1.0-	1.8+	731004	675	0.6+	0.0	921024	801	1.4-	1.1-
730924	675	0.7+	0.8-	731004	675	0.3-	2.6-	921028	801	1.2-	0.3-
730924	675	0.9-	1.7+	731004	675	1.5+	0.6-	921028	801	0.1+	0.1+
730925	675	(3.5-	1.0-)	731005	675	0.3+	0.3-				
730925	675	0.6-	1.4+	731005	675	0.9+	0.6-				

(5413)* 1977 EC2 = 1971 BF4 = 1990 RX5

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

Id. H. Oishi (k, MPC 18618), G. V. Williams (MPC 20139)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5
 M 297.45377 (2000.0) P Q Williams
 n 0.17521725 Peri. 139.27533 -0.99981256 +0.01869444
 a 3.1628952 Node 41.79667 -0.01913871 -0.91502887
 e 0.1407619 Incl. 0.43293 -0.00292454 -0.40295494
 P 5.63 H 11.9 G 0.15

Residuals in seconds of arc

710128	095	1.2-	0.9+	900912	809	0.4-	0.1+	911004	691	0.3-	0.5+
770313	095	2.0-	0.7+	900912	809	0.2-	0.1+	911004	691	0.2-	0.5+
770322	095	0.1+	0.0	900912	809	0.2+	0.0	921029	801	0.4-	0.5+
770325	095	1.8+	0.3-	900914	675	0.9-	1.4-	921029	801	0.1-	0.1+
820130	675	1.1+	0.2-	900914	675	0.1-	1.7-	921128	801	1.2-	0.7+
820131	675	1.8+	0.3-	900914	809	0.5+	0.0	921128	801	0.7-	0.3-
900908	809	0.5-	0.1+	900915	809	0.5+	0.2-	921129	801	0.3-	0.1-
900909	809	0.3-	0.2+	900915	809	0.6+	0.4-	921129	801	0.3-	0.1-
900909	809	0.0	0.5+	900915	809	0.6-	0.5+	921218	596	0.2+	0.8-
900909	809	0.8+	0.0	900916	809	0.6-	0.6+	921218	596	0.6+	1.2-
900910	809	1.1+	0.0	900916	809	0.8-	0.5+				
900910	809	1.5+	0.2+	911004	691	0.5-	0.7+				

(5414)* 1977 RW6 = 1975 EP5 = 1982 SM4

Discovered 1977 Sept. 11 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Id. S. Nakano (MPC 9754)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5
 M 60.86815 (2000.0) P Q Nakano
 n 0.20094354 Peri. 327.67902 +0.98968816 +0.14244340
 a 2.8868220 Node 24.14531 -0.12233258 +0.89528964
 e 0.0852471 Incl. 2.11186 -0.07451230 +0.42209755
 P 4.90 H 12.6 G 0.15

Residuals in seconds of arc

750315	095	(4.7-	2.2-)	900401	675	1.4+	0.1+	921029	801	0.1-	0.1+
770911	095	1.4-	0.9+	900401	675	0.0	1.0+	921029	801	0.2-	0.0
770918	095	0.2-	1.0-	900525	675	0.6+	0.2-	921121	801	0.5+	0.0
770921	095	1.1+	0.5-	910710	809	0.3+	0.2-	921121	801	0.6+	0.1+
790127	675	0.8-	0.2-	910710	809	0.5+	0.1-	921127	691	0.1-	0.7+
790129	675	0.8-	1.2-	910710	809	0.6+	0.5-	921127	691	0.6-	0.3+
820920	095	2.8+	1.4+	910711	809	2.2-	0.2-	921127	691	0.4-	0.5+
820926	095	0.2+	1.0+	910711	809	1.8-	0.3-	921129	801	0.1+	0.3+
870925	095	(5.1+	0.7-)	910711	809	1.6-	0.2-	921129	801	0.2+	0.0
871022	095	1.6-	2.0-	910711	809	1.4+	0.2+				
871027	095	0.1-	0.7+	910711	809	1.6+	0.3+				

(5415)* 1978 TB2 = 1978 TQ4 = 1985 UP4

Discovered 1978 Oct. 3 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Id. N. S. Chernykh (d, MPC 6287), G. R. Kastel' (MPC 12326)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Marsden

M	10.75769		(2000.0)			P			Q
n	0.28738341	Peri.	243.64352	+0.23859200					-0.97098321
a	2.2741979	Node	192.58527	+0.91551363					+0.23049429
e	0.1234462	Incl.	4.28826	+0.32389603					+0.06374936
P	3.43	H	13.9	G	0.15				

Residuals in seconds of arc

780913	095	(3.2-	5.6+)	851022	095	0.1+	1.9-	921022	801	0.4+	0.0
780927	095	0.9+	1.0-	851109	095	(0.2-	3.9+)	921024	801	0.7+	0.1+
780930	049	0.1-	0.4+	851111	095	1.5-	0.7+	921024	801	0.7+	0.1+
780930	049	0.3-	0.2+	851120	095	(3.3-	1.4+)	921221	801	0.1-	0.3+
781001	049	0.2+	0.7+	880811	413	1.7-	0.2-	921221	801	0.4-	0.2+
781003	095	0.1+	0.1-	880811	413	1.3+	0.8+	921224	801	0.3-	0.0
781007	095	(0.0	3.4+)	921022	801	0.4+	0.2+	921224	801	0.1-	0.0

(5416)* 1978 VE5 = 1970 AG = 1987 SJ27

Discovered 1978 Nov. 7 by E. F. Helin and S. J. Bus at Palomar.

Id. S. Nakano (MPC 15405)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Nakano

M	67.18774		(2000.0)			P			Q
n	0.21252259	Peri.	284.79627	+0.98072130					+0.14152447
a	2.7809893	Node	67.21397	-0.06762924					+0.89275462
e	0.2359131	Incl.	8.40402	-0.18333581					+0.42773826
P	4.64	H	12.4	G	0.15				

Residuals in seconds of arc

700104	095	0.6+	2.1-	781130	675	0.9-	0.7-	921124	675	(3.1+	1.2-)
781105	675	0.1-	0.1-	870927	095	0.7+	1.5-	921221	801	0.4-	0.3-
781106	675	0.1-	1.1+	871023	095	0.3+	0.0	921221	801	0.4-	0.2-
781107	675	0.1-	1.7+	921122	675	0.6+	0.7-	921224	801	0.3-	0.1-
781108	675	0.1+	1.1+	921122	675	1.0+	0.6+	921224	801	0.3-	0.1-
781129	675	0.5-	0.1+	921124	675	0.0	0.2+				

(5417)* 1981 QT = 1988 RK4 = 1990 DR1

Discovered 1981 Aug. 24 by L. Brozek at Klet.

Id. T. Kobayashi (MPC 14347), S. Nakano (MPC 16230)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Nakano

M	55.20419		(2000.0)			P			Q
n	0.28297922	Peri.	92.52552	+0.89145140					-0.45251558
a	2.2977337	Node	294.38053	+0.40488641					+0.81861879
e	0.1333540	Incl.	1.46741	+0.20342416					+0.35368478
P	3.48	H	13.5	G	0.15				

Residuals in seconds of arc

810824	046	2.5+	0.4+	880908	809	0.6-	0.0	881004	807	2.4+	0.2-
810824	046	1.1-	1.7-	880910	675	0.0	0.0	881005	807	1.6+	0.3+
810828	046	0.7-	0.5+	880910	675	1.0+	0.6+	881008	807	1.5+	0.0
810828	046	0.9-	1.0+	880911	809	0.1-	0.4-	900223	046	1.3+	0.1-
810902	095	0.4-	1.5+	880911	809	0.1-	0.1-	900223	046	0.1+	2.4+
810904	046	2.0+	1.9-	880911	809	0.1+	0.2-	900224	033	1.8-	0.1+
810904	046	0.6-	1.9-	880914	809	0.5-	0.1+	900224	046	2.0+	0.6-
810905	046	(0.9+	3.4-)	880914	809	0.4-	0.4+	900224	046	0.0	1.0+
810905	046	(2.3+	3.3-)	880914	809	0.1-	0.3+	921128	801	0.5-	0.7+
880901	809	0.1+	0.6+	880914	095	0.8+	1.1+	921128	801	0.3-	0.3+
880901	809	0.0	0.9+	880914	095	2.2-	0.4-	921129	801	0.3-	0.2+
880901	809	0.2+	0.8+	880916	095	(2.4+	2.9+)	921129	801	0.0	1.3+
880903	809	0.9-	0.2+	880916	095	0.1+	1.2+	921219	596	0.4-	0.7-
880903	809	0.6-	0.3+	880918	809	0.1-	0.2+	921219	596	0.1+	0.9-
880903	809	0.3-	0.5+	880918	809	0.2+	0.1+	921219	596	0.0	0.9-
880906	809	0.6-	0.6-	880918	809	0.1+	0.2+	921221	801	0.3+	0.1-
880906	809	0.9-	0.5-	880920	809	0.1+	0.4-	921221	801	0.3+	0.2-
880908	809	1.1-	0.1+	880920	809	0.1+	0.3-	921223	801	0.4+	0.1+
880908	809	0.9-	0.1-	880920	809	0.1+	0.3-	921223	801	0.4+	0.1+

(5418)* 1981 QG1 = 1976 SN7

Discovered 1981 Aug. 29 by A. Mrkos at Klet.

Id. W. Landgraf (MPC 10041)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

				Marsden			
M			(2000.0)	P		Q	
n	0.19214979	Peri.	242.62121	+0.52091056		-0.85332381	
a	2.9742407	Node	175.78170	+0.85012080		+0.51626155	
e	0.3064240	Incl.	17.52598	+0.07711559		+0.07288677	
P	5.13	H	12.8	G	0.15		

Residuals in seconds of arc

760925	095	0.1-	0.4-	810906	046	0.4+	1.4-	921023	801	0.9+	0.5-
760928	095	1.6+	1.9+	810906	046	1.5+	0.8+	921028	801	0.1-	0.4-
810829	046	(3.5-	1.5-)	810925	095	1.2-	0.2-	921028	801	0.0	0.2+
810829	046	2.0-	0.7-	860804	801	1.0+	0.7+	921128	801	0.3-	0.1+
810905	046	1.3-	0.3+	861005	801	1.5+	0.8+	921128	801	0.3-	0.4+
810905	046	1.1-	1.8-	921023	801	0.0	0.3-				

(5419)* 1981 SW7 = 1976 YK2

Discovered 1981 Sept. 29 by L. V. Zhuravleva at the Crimean

Astrophysical Observatory.

Id. K. Hurokawa (MPC 10027)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

				Williams			
M			(2000.0)	P		Q	
n	0.18114337	Peri.	58.15532	+0.99510306		+0.05815555	
a	3.0935307	Node	298.40055	-0.08735308		+0.89580352	
e	0.1932990	Incl.	5.21305	+0.04625303		+0.44062907	
P	5.44	H	12.1	G	0.15		

Residuals in seconds of arc

761216	095	0.0	0.6-	860903	071	1.3+	0.5-	910708	809	0.4-	1.4-
761218	095	1.4-	0.1-	860903	071	0.6-	0.9-	910708	809	0.0	1.4-
761220	095	0.3+	0.7-	860906	095	1.1-	1.6-	910712	809	0.3+	0.1+
810929	095	0.8+	2.3+	861002	095	0.2-	1.0-	910712	809	0.4+	0.2-
811002	095	0.9+	0.8-	910706	809	0.4-	0.9+	910712	809	0.7+	0.0
811124	095	0.5-	2.1+	910706	809	0.4-	0.8+	921028	801	0.3+	0.1+
860809	801	0.1+	0.2-	910706	809	0.1-	0.8+	921028	801	1.4-	1.3+
860829	095	0.6-	0.6+	910707	809	0.0	1.3+	921223	801	0.2+	0.2-
860901	801	1.3+	0.2-	910707	809	0.1+	1.4+	921223	801	0.7+	0.4-

(5420)* 1982 JR1 = 1983 VG1

Discovered 1982 May 15 by E. F. Helin, E. M. Shoemaker and P. D. Wilder at Palomar.

Id. H. Kaneda (MPC 16023)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	69.88730		(2000.0)		P		Williams	Q
n	0.22477797	Peri.	257.87758		+0.94797941			+0.28035983
a	2.6789640	Node	85.69698		-0.19985661			+0.89283493
e	0.2346882	Incl.	8.69660		-0.24777485			+0.35248285
P	4.38	H	12.9	G	0.15			

Residuals in seconds of arc

820515	675	0.6+	0.7-	831109	046	0.7+	1.8-	921028	801	0.3-	0.2+
820516	675	1.5+	2.2-	870824	675	1.1+	1.5+	921121	675	0.8+	1.5+
820516	675	1.0-	1.0-	870824	675	1.3+	0.0	921121	675	0.2-	1.1+
820517	675	1.0-	1.9-	870827	675	(0.1-	4.1+)	921122	675	0.6-	0.9+
820518	675	0.4-	0.6-	870827	675	0.1-	0.6+	921225	801	1.6+	0.7+
831106	046	(1.1-	2.9-)	910708	675	2.2-	0.2-	921225	801	0.0	0.2+
831106	046	1.9-	0.9-	910708	675	0.0	1.4+	921228	801	0.3-	0.0
831107	046	1.2+	2.3-	910710	675	1.5-	0.8+	921228	801	0.1-	0.1+
831107	046	1.2+	1.9-	910710	675	0.5+	1.6+				
831109	046	0.4-	1.4-	921028	801	0.6-	0.4+				

(5421)* 1982 TD2 = 1987 DJ2 = 1989 YE

Discovered 1982 Oct. 14 by L. V. Zhuravleva and L. G. Karachkina at the Crimean Astrophysical Observatory.

Id. S. Nakano (MPC 15882)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	33.73664		(2000.0)		P		Nakano	Q
n	0.29116776	Peri.	91.72411		+0.99654687			-0.06143304
a	2.2544496	Node	271.80066		+0.03414111			+0.91641668
e	0.1510993	Incl.	3.20378		+0.07568833			+0.39548255
P	3.39	H	13.3	G	0.15			

Residuals in seconds of arc

821014	095	0.5+	1.0+	870223	010	0.2+	0.7-	920803	801	0.3+	0.2-
821020	095	0.9+	0.8+	870223	010	1.2+	0.6-	920824	801	0.9+	0.1-
821022	095	2.5-	0.5-	891225	494	0.4-	2.0-	920824	801	0.9+	0.2-
821025	095	0.5+	0.6-	891228	494	0.8+	0.8-	921224	801	0.1-	0.3+
821109	095	0.1+	1.3+	920802	801	0.1+	1.4-	921224	801	1.3-	0.2+
821114	095	0.3-	1.1+	920802	801	0.2-	1.9-	921226	801	0.2-	0.6-
870223	010	2.3-	0.0	920803	801	0.2+	0.2-	921227	801	0.0	0.1-

(5422)* 1982 YL1 = 1956 XS = 1966 RK = 1976 SH10

Discovered 1982 Dec. 23 by L. G. Karachkina at the Crimean Astrophysical Observatory.

Id. K. Ichikawa (MPC 17433)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	20.58814		(2000.0)		P		Ichikawa	Q
n	0.19240355	Peri.	7.29897		+0.75720122			-0.65005227
a	2.9716250	Node	33.52421		+0.59328730			+0.64357495
e	0.2391587	Incl.	6.64004		+0.27323339			+0.40403382
P	5.12	H	12.3	G	0.15			

Residuals in seconds of arc

561204	760	(2.9-	3.4+)	830106	095	(3.0-	2.6+)	921114	596	0.9-	1.0-
561204	760	(4.6-	4.3-)	830109	095	1.0-	0.7-	921114	596	0.2-	0.6-
660915	095	0.1+	0.4-	830114	095	1.2-	1.1+	921114	596	0.2+	0.5-
760916	808	1.1+	0.9+	910717	675	0.0	0.3-	921223	801	0.5+	0.1-
760916	808	1.4-	1.7+	910717	675	0.2-	0.0	921223	801	0.3+	0.0
821223	095	0.6+	2.2+	910718	675	0.5+	0.5+	921225	801	0.7+	0.1+
821224	095	1.2+	1.1+	910718	675	0.7-	0.2+	921225	801	0.6+	0.0

(5423)* 1983 DC = 1976 JD1 = 1985 SX5 = 1989 XE

Discovered 1983 Feb. 16 by Z. Vavrova at Klet.

Id. S. Nakano (MPC 15708), K. Ichikawa (ibid.), T. Furuta (ibid.)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Ichikawa

M	275.61580		(2000.0)		P		Q
n	0.26822559	Peri.	139.11691		-0.46811971		-0.88350160
a	2.3812367	Node	338.77846		+0.79803198		-0.41441786
e	0.1609646	Incl.	2.69122		+0.37948503		-0.21836384
P	3.67	H	13.7		G	0.15	

Residuals in seconds of arc

760502	095	(5.7- 0.1+)	830309	046	(3.2- 4.5+)	891218	403	1.4-	1.8+
830215	688	0.4- 1.5-	830316	095	2.5+ 0.0	920902	809	1.6+	0.4-
830215	688	0.5+ 0.1-	850921	095	2.4- 1.9+	920902	809	2.0+	0.2+
830216	046	(7.6- 4.5-)	870421	675	0.8- 0.3+	920902	809	0.8+	0.3-
830216	046	(7.5- 0.5-)	870421	675	0.5- 0.4+	920903	809	0.2-	1.4-
830219	046	1.3- 0.6-	891203	403	0.3+ 0.1-	920922	809	0.3+	1.7-
830219	046	(3.6- 1.0-)	891203	403	1.7- 0.5-	920922	809	0.4+	1.3-
830304	046	0.6+ 2.7-	891205	403	1.2+ 0.7+	920922	809	0.4-	1.9-
830304	046	1.0- 1.2+	891205	403	0.4- 0.9+	920923	809	0.2+	0.7-
830308	046	1.7- 1.9-	891208	403	1.1- 0.9-	920923	809	0.2+	0.6-
830308	046	0.7- 1.6-	891208	403	2.7+ 0.6-	920923	809	1.0+	0.5-
830309	046	(5.2- 1.3-)	891218	403	0.0 1.1-				

(5424)* 1983 TN1 = 1969 OG1 = 1975 EC5 = 1978 EE4 = 1988 CR6

Discovered 1983 Oct. 12 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Id. A. Lowe (MPC 13170), C. M. Bardwell (ibid.)

Epoch 1992 June 27.0 TT = JDT 2448800.5

Bardwell

M	208.94388		(2000.0)		P		Q
n	0.29479957	Peri.	151.85751		+0.86490132		-0.49963733
a	2.2358954	Node	238.19779		+0.44926624		+0.81326614
e	0.0441746	Incl.	3.24072		+0.22384270		+0.29826284
P	3.34	H	13.2		G	0.15	

Residuals in seconds of arc

690720	074	1.2- 0.7-	831104	688	(1.3- 3.6-)	901121	801	0.4+	0.5+
690720	074	0.4+ 0.8-	880215	046	2.7- 1.1-	901121	801	0.5+	0.5+
690720	074	0.7+ 0.2-	880215	046	1.9- 2.2-	901124	400	2.9-	0.8+
690720	074	2.6- 2.1-	880216	046	0.2+ 1.2-	901124	400	1.4-	1.3+
690720	074	1.6+ 1.5-	880216	046	0.6+ 2.2-	901214	801	0.7+	0.3-
690720	074	(4.5+ 1.4-)	901112	675	0.3- 1.0-	901214	801	0.6+	0.2+
750315	095	(2.8- 15.4-)	901112	675	0.2- 0.2-	901215	801	0.8+	0.1+
780306	095	1.7+ 2.1-	901114	675	0.1+ 0.8-	920430	801	0.2-	0.9-
831012	688	2.0+ 3.3-	901114	675	0.4- 0.7-	920430	801	0.4-	0.3-
831012	688	1.5+ 2.5-	901120	801	0.3+ 0.1+	920530	801	0.6+	2.8-
831104	688	1.0+ 1.7-	901120	801	0.3+ 0.1+	920530	801	0.5-	1.3-

(5425)* 1984 SA1 = 1973 YP2 = 1990 DY4

Discovered 1984 Sept. 20 by A. Mrkos at Klet.

Id. H. Kaneda (MPC 17435), R. Nagata (ibid.)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	47.94282		(2000.0)		P		Q
n	0.25641256	Peri.	24.57777		+0.93428373		-0.35645956
a	2.4538227	Node	356.28337		+0.30628978		+0.81266976
e	0.1354383	Incl.	6.29298		+0.18248418		+0.46098205
P	3.84	H	13.2		G	0.15	

Residuals in seconds of arc

710416	675	1.2+ 0.2-	710514	675	1.2- 0.1-	840920	046	0.4-	0.1-
710416	675	0.4- 0.3-	710516	675	1.5+ 1.2-	840921	046	0.9+	2.4+
710514	675	2.0- 0.5+	731220	095	(2.1+ 4.4+)	840926	675	0.3-	1.2+

840927	675	0.5-	0.3-	900228	809	1.1-	0.7-	921022	801	0.3-	0.1-
840927	046	1.1-	1.7-	900228	809	0.6-	0.6-	921022	801	0.3-	0.1-
840927	046	0.9+	0.7-	900301	809	0.5+	0.5-	921024	801	0.1-	0.1-
840929	046	(3.6-	1.2-)	900301	809	0.7+	0.4-	921024	801	0.1-	0.1-
840929	046	(4.2-	0.2+)	900301	809	1.0+	0.4-	921222	801	0.0	0.8-
840930	046	(7.3-	0.6-)	900302	809	0.5+	1.5+	921222	801	2.0+	0.6+
840930	046	(7.9-	1.1-)	900302	809	0.8+	1.8+	921225	801	0.6-	0.2-
900228	809	1.5-	0.7-	900302	809	0.8+	1.9+	921225	801	0.4-	0.1-

(5426)* 1985 DD

Discovered 1985 Feb. 16 by C. S. Shoemaker at Palomar.

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Bardwell

M 314.88249

(2000.0)

P

Q

n 0.36055530 Peri. 67.38546 -0.83306571 -0.37861140

a 1.9550362 Node 88.32887 +0.22709437 -0.89887981

e 0.1165187 Incl. 23.79570 +0.50441021 -0.22060940

P 2.73 H 13.8 G 0.15

Residuals in seconds of arc

850216	675	0.3-	0.8+	880612	675	2.7-	0.4-	921128	801	0.5+	0.6-
850226	675	0.5+	1.0+	880614	675	0.3-	2.0-	921128	801	0.5+	0.5-
850313	675	0.3+	0.0	891103	474	0.3-	0.3-	921221	801	0.1+	0.5-
880513	675	0.5+	0.4-	891103	474	0.9-	0.7-	921221	801	0.2+	0.5-
880513	675	0.3+	0.6-	891205	474	2.2+	0.8+	921223	801	0.0	1.3-
880609	675	0.4-	0.0	891205	474	(4.0+	0.1-)				

(5427)* 1986 JQ = 1989 QH1

Discovered 1986 May 13 at Brorfelde.

Id. H. Kaneda (MPC 16579)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M 126.46928

(2000.0)

P

Q

n 0.36712172 Peri. 73.27433 +0.35647559 +0.90706640

a 1.9316540 Node 219.99489 -0.93340633 +0.33524163

e 0.0744299 Incl. 20.39246 -0.04096059 +0.25464407

P 2.68 H 13.2 G 0.15

Residuals in seconds of arc

860513	054	(3.4+	0.5-)	910318	675	(2.9+	0.2-)	921025	894	0.6-	1.7+
860514	054	(4.1+	3.6-)	910409	675	0.8-	0.1+	921025	894	0.0	0.9-
860603	675	0.6-	1.2-	910409	675	0.2-	0.7+	921026	894	0.8-	1.8-
860603	675	0.4-	1.2+	910411	675	2.5+	1.5+	921026	894	(0.9-	3.3-)
860604	675	1.1+	1.8-	910411	675	1.3-	0.1+	921027	376	0.0	0.6-
860604	675	0.2-	0.0	910412	801	0.2-	0.2-	921028	801	0.6+	0.8+
860608	675	0.1-	2.3+	910412	801	0.4-	0.0	921028	801	0.6+	0.9+
860609	675	(1.6+	4.6+)	910419	801	0.5+	0.0	921121	675	1.7+	0.4-
890829	675	0.4+	0.5-	910419	801	0.3+	0.2+	921121	675	0.3+	1.0-
890901	675	0.1-	0.3-	910507	675	0.5+	0.1-	921124	675	0.6-	1.2-
910313	801	0.3-	0.5+	910507	675	0.7+	0.2-	921124	675	0.8-	0.3+
910313	801	0.3-	0.4+	910510	675	1.5-	0.2+	921221	801	0.3-	0.4+
910317	801	0.6-	0.5-	910510	675	0.7-	1.7-	921221	801	0.4-	0.4+
910317	801	0.5-	0.2-	921022	801	0.1-	0.9+	921225	801	0.6+	0.1-
910318	675	2.1+	1.5-	921022	801	0.0	0.8+				

(5428)* 1987 RA1 = 1976 JS4 = 1990 DV2

Discovered 1987 Sept. 13 by H. Debehogne at the European Southern Observatory.

Id. R. Nagata (MPC 17440), S. Nakano (MPC 20924)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	76.28416		(2000.0)			P		Nakano		Q
n	0.19918141	Peri.	17.46698				+0.31225044			+0.94985927
a	2.9038232	Node	270.73034				-0.87354738			+0.28031859
e	0.0387864	Incl.	0.93639				-0.37338270			+0.13852385
P	4.95	H	12.5			G	0.15			

Residuals in seconds of arc

760503	809	1.5-	0.3+	870918	809	2.5+	0.4+	920902	809	0.5+	0.1+
781130	675	1.4-	0.2+	870918	809	2.6+	0.3+	920902	809	0.1-	0.2-
781201	675	1.1-	0.3+	900224	809	0.0	1.6-	920902	809	0.4-	0.2-
870913	809	0.2-	1.9+	900224	809	0.6+	1.7-	920903	809	1.3-	0.6-
870913	809	0.3+	1.0+	900224	809	0.9+	1.7-	920920	399	0.7-	0.8+
870913	809	1.3-	1.5-	900226	809	0.3-	0.1-	920920	399	0.4-	1.9+
870914	809	1.0+	0.2-	900226	809	0.2-	0.1-	920922	809	0.4+	0.7-
870914	809	1.2+	0.2-	900226	809	0.1-	0.5-	920922	809	0.0	0.4-
870914	809	1.3+	0.2-	900301	809	0.4-	0.0	920922	809	0.7-	1.1-
870916	809	(3.3+	0.5+)	900301	809	0.4-	0.2+	920923	809	0.6+	1.5-
870916	809	(3.4+	0.6+)	900301	809	0.1-	0.4+	920923	809	0.1+	1.7-
870916	809	(3.3+	0.5+)	920828	399	1.2-	0.7-	920923	809	0.4-	1.9-
870918	809	2.4+	0.4+	920828	399	2.4-	0.7+				

(5429)* 1988 BZ1 = 1982 BU10 = 2054 T-1

Discovered 1988 Jan. 25 by S. Ueda and H. Kaneda at Kushiro.

Id. S. Nakano (MPC 13450, MPC 21257)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	324.00550		(2000.0)			P		Nakano		Q
n	0.17090339	Peri.	294.61035				-0.47431994			-0.88035213
a	3.2158980	Node	183.70507				+0.81240159			-0.43733595
e	0.1371389	Incl.	0.75555				+0.33915226			-0.18362298
P	5.77	H	12.2			G	0.15			

Residuals in seconds of arc

710324	675	0.2+	0.6-	880125	399	0.6-	1.3+	880217	809	0.1+	1.4-
710325	675	0.3-	1.0+	880125	399	1.4+	1.4+	880217	809	1.3+	1.1-
710325	675	0.3+	0.0	880127	809	0.6-	0.2-	880218	399	0.4-	0.8+
710326	675	0.0	0.9-	880127	809	0.4-	0.7-	880218	399	0.4+	1.3-
710327	675	0.4-	0.2-	880129	809	0.0	0.0	880218	399	0.8-	0.5-
820119	095	0.1-	0.2-	880129	809	0.8+	0.4-	880219	399	0.2-	1.6+
820120	095	(7.0-	1.6-)	880207	399	0.5+	1.0+	880219	399	0.4+	0.4-
880120	809	0.3-	0.3-	880207	399	(3.2-	0.8+)	880223	399	1.4-	0.5-
880120	809	0.1-	0.3-	880208	399	0.4-	1.6+	880223	399	2.3-	0.0
880120	809	0.3+	0.0	880208	399	0.3+	1.5+	921118	399	0.4-	1.6-
880121	809	0.4+	1.4-	880208	399	0.5+	1.0-	921118	399	0.2+	0.8-
880121	809	0.2+	0.4-	880211	399	2.5-	0.7+	921121	399	1.7-	1.9+
880122	303	0.8+	1.5+	880211	399	(2.9-	0.9+)	921121	399	0.4-	0.3+
880122	303	0.3+	2.1+	880211	399	(2.4-	3.3+)	921127	691	0.2+	0.1+
880122	303	0.9+	1.9+	880213	809	(7.7-	0.1-)	921127	691	0.7+	0.2+
880123	303	1.0+	1.8+	880213	809	(7.7-	1.5+)	921127	691	0.7+	0.1+
880123	809	1.0-	0.5-	880214	809	(3.7-	0.2-)	921129	399	0.2+	1.1+
880123	809	0.4-	0.8-	880214	809	1.7-	1.6-	921129	399	1.1+	1.3-
880123	303	(7.0+	6.1-)	880214	809	0.9+	2.0-	921215	399	0.5+	0.1-
880123	303	(7.1+	5.9-)	880214	809	1.1+	1.2-	921215	399	1.2-	0.7-
880125	809	1.1-	0.5-	880214	809	0.4+	1.3-	921217	399	1.0+	0.3-
880125	809	0.8-	0.6-	880216	809	0.4+	0.6+	921217	399	0.6-	0.2-
880125	399	1.9+	1.6+	880216	809	0.9+	0.4+				

(5430)* 1988 JA1 = 1970 OL

Discovered 1988 May 12 by C. S. Shoemaker at Palomar.

Id. C. M. Bardwell (MPC 17635)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5
 M 101.74643 (2000.0) P Q
 n 0.27095174 Peri. 121.33620 -0.36656248 +0.86692019
 a 2.3652375 Node 123.35527 -0.93000848 -0.33097150
 e 0.2232052 Incl. 23.85152 -0.02676159 -0.37270264
 P 3.64 H 12.7 G 0.15

Residuals in seconds of arc

700729	095	0.2+	0.6+	891205	474	1.0-	0.3-	920901	596	0.6-	0.2-
880512	675	0.5+	0.6+	891205	474	0.3+	1.0-	920901	596	0.6+	0.1+
880512	675	0.2+	0.4+	910114	801	0.0	0.1-	920901	596	1.4+	0.7-
880608	675	0.1-	2.1-	910114	801	0.1-	0.4-	920903	589	0.8+	0.5-
880609	675	0.1+	0.1+	910116	675	1.2+	1.0+	920903	589	0.5+	0.7-
880611	675	0.2-	0.7-	910118	801	0.0	1.0-	920903	589	0.9+	0.3-
880616	675	1.5-	0.5+	910122	675	0.4+	0.3-	920905	413	0.9-	0.6-
880616	675	(2.4-	5.2-)	910207	675	0.3-	1.7-	920905	413	1.0-	0.6-
880619	675	2.2+	0.2+	910210	801	0.0	0.4-	920905	589	0.5-	0.2-
880619	675	(0.9-	5.0-)	910210	801	0.0	0.3-	920905	589	0.9-	0.4+
880621	688	0.2+	0.4+	910210	675	0.4-	1.2-	920905	589	0.6+	0.2-
880717	675	1.6-	0.8-	910213	801	0.4+	0.4-	921012	413	0.0	0.1+
880718	675	1.3-	1.6-	910213	801	0.0	0.2-	921012	413	0.1+	0.1+

(5431)* 1988 MB = 1985 YB = 1986 AT

Discovered 1988 June 19 by E. F. Helin at Palomar.

Id. B. G. Marsden (MPC 13458), S. Nakano (d, MPC 12360)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5
 M 40.38160 (2000.0) P Q
 n 0.27750245 Peri. 100.34381 +0.80385765 -0.46087975
 a 2.3278670 Node 288.00219 +0.25816362 +0.83986144
 e 0.2541037 Incl. 23.29043 +0.53587725 +0.28674485
 P 3.55 H 12.8 G 0.15

Residuals in seconds of arc

810807	675	0.7+	0.8-	860111	688	0.3+	0.8-	900324	675	1.1-	0.5-
810807	675	0.7+	0.5+	860111	688	(0.9-	7.9-)	900324	675	1.6+	1.1-
851218	688	1.7-	0.6-	880619	675	0.6-	1.3-	910611	474	1.2-	2.1+
851218	688	(5.4-	4.1-)	880620	675	0.2+	1.2-	910611	474	0.4+	1.6+
860106	675	0.6-	0.9+	880714	675	0.2-	0.9-	921121	675	1.3+	0.9-
860106	675	1.4-	0.2-	880715	675	0.8+	0.9+	921121	675	(2.7+	1.2+)
860107	675	0.4+	0.7+	880810	413	0.5-	0.6+	921122	675	1.5+	1.4+
860107	675	0.8+	0.4-	880810	413	1.0+	0.7-	921223	801	0.2-	0.3+
860111	688	(3.7+	2.5-)	900322	675	0.5-	1.4-	921225	801	0.6-	0.3+
860111	688	(4.1+	2.4+)	900322	675	1.0-	0.6-	921225	801	0.5-	0.4+

(5432)* 1988 VN = 1971 UQ2 = 1977 CQ1 = 1990 FG4

Discovered 1988 Nov. 3 by T. Kojima at the YGCO Chiyoda Station.

Id. S. J. Bus (k, MPC 18291), G. V. Williams (ibid.), H. Oishi

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5
 M 358.77381 (2000.0) P Q
 n 0.23292156 Peri. 304.57397 +0.76636896 -0.64001768
 a 2.6161517 Node 95.28418 +0.60608030 +0.69183223
 e 0.1180721 Incl. 3.18252 +0.21294432 +0.33428362
 P 4.23 H 13.3 G 0.15

Residuals in seconds of arc

711021	095	1.0-	2.8+	881115	897	0.5+	0.6-	920825	801	0.0	0.4+
770211	675	0.2-	0.9+	881115	897	1.0-	0.0	920830	801	0.1-	0.1+
770212	675	0.3+	0.2+	881129	897	0.5+	0.7-	920830	801	0.0	0.3+
881103	897	(2.9-	0.5+)	881129	897	1.3-	1.4-	921028	801	0.1-	1.1-
881103	897	1.5+	1.0+	900325	413	0.3-	0.6-	921028	801	0.2+	0.8-
881107	897	0.9+	0.6-	900325	413	0.2+	0.1+				
881107	897	0.2-	0.0	920825	801	0.1+	0.2+				

(5433)* 1988 VZ2 = 1972 YH = 1977 AF1 = 1984 WX2

Discovered 1988 Nov. 10 by T. Kojima at the Chiyoda Observatory.

Id. T. Kobayashi (MPC 14027), S. Nakano

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Nakano

M	0.98677		(2000.0)		P		Q
n	0.24315147	Peri.	159.14669		+0.35057643		-0.92675421
a	2.5422492	Node	270.13126		+0.83900660		+0.37483445
e	0.2214176	Incl.	7.75817		+0.41612990		+0.02501530
P	4.05	H	12.4		G	0.15	

Residuals in seconds of arc

721229	095	(7.9-	0.6-)	881130	888	(0.4-	7.1-)	881228	888	0.8+	0.8-
770113	095	1.7+	1.8+	881130	888	(0.4-	6.1-)	881228	888	0.6+	1.1-
770120	095	0.5-	1.1+	881201	054	0.0	0.3-	920826	801	0.5-	1.0+
841127	010	1.6-	0.7+	881205	888	0.7+	0.5-	920826	801	0.6-	1.1+
841128	010	0.7-	2.3-	881205	888	0.7-	0.6-	920930	801	1.3+	1.1+
881110	897	1.0-	0.0	881205	888	(1.6-	3.2+)	920930	801	1.4+	1.1+
881110	897	1.3+	2.1-	881206	888	0.2+	0.9+	921027	366	0.5-	1.0-
881113	400	0.4-	0.5-	881206	888	0.0	1.5+	921027	366	0.1+	0.1-
881113	400	1.1-	0.2+	881207	888	0.2+	0.0	921102	367	0.3+	0.2-
881113	400	(2.7-	1.8-)	881207	888	0.1+	0.2-	921102	367	0.4-	0.4-
881114	897	1.7-	1.0+	881207	054	0.7+	0.6-	921102	367	0.4-	0.5+
881114	400	(2.9+	2.8+)	881211	888	(1.2-	5.7+)	921117	367	0.1+	1.1-
881114	400	2.4+	2.2+	881211	888	(1.0-	4.3+)	921117	367	0.7-	0.1-
881114	400	2.4+	2.3+	881214	888	0.3-	1.1-	921118	367	0.4-	0.0
881114	897	0.9-	0.9-	881214	888	0.1-	0.8-	921118	367	0.6-	0.5-
881127	897	0.6+	0.9-	881215	888	0.8-	0.1+	921121	366	(3.2+	0.7+)
881127	897	0.1-	0.0	881215	888	0.9-	1.0+	921121	366	1.0+	0.6+

(5434)* 1989 ES = 1986 TX14 = 1991 PF9

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

Id. G. V. Williams (MPC 18816)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	291.06132		(2000.0)		P		Q
n	0.17296209	Peri.	305.28554		-0.48481993		-0.87397980
a	3.1903287	Node	173.44977		+0.86687222		-0.48523480
e	0.0755875	Incl.	16.97302		+0.11611287		-0.02657982
P	5.70	H	11.1		G	0.15	

Residuals in seconds of arc

861006	095	0.0	0.6-	910815	675	0.4+	0.8+	921004	675	0.7-	0.6-
890301	675	0.3-	0.0	910815	675	0.5+	0.3-	921124	675	1.5+	0.3-
890306	675	(0.7+	3.4-)	910816	675	1.0-	0.2+	921124	675	1.1+	0.0
890406	675	0.0	0.4-	910816	675	0.2+	1.8-	921220	801	0.1-	0.3-
890406	675	0.1-	1.2-	920929	675	0.6+	0.7-	921221	801	0.3-	0.5+
890408	675	0.6-	0.5-	920929	675	0.4-	0.6-	921227	801	1.3-	0.4+
890408	675	0.7+	0.9-	921004	675	0.5+	0.0	921227	801	1.1-	0.1-

(5435)* 1990 BS1 = 1951 CS1 = 1972 YG = 1983 XX1 = 1991 LF

Discovered 1990 Jan. 21 by A. Sugie at the Dynic Astronomical

Observatory.

Id. H. E. Holt (k, MPC 18632), G. V. Williams (ibid.)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	215.14255		(2000.0)		P		Q
n	0.17693286	Peri.	357.16593		-0.29462706		-0.90909917
a	3.1424163	Node	109.82911		+0.88279940		-0.37692293
e	0.1415788	Incl.	18.24422		+0.36586898		+0.17739168
P	5.57	H	11.3		G	0.15	

Residuals in seconds of arc

510210	711	0.1-	2.1-	Y	831205	561	0.2+	0.6+	900121	402	0.2+	0.5+
721229	095	(4.6-	3.6+)		831205	561	0.3-	0.6+	900121	402	0.1+	0.7+

900201	402	0.2+	0.8-	910609	675	(4.1-	1.6-)	920703	801	1.6+	2.3-
900201	402	1.6+	0.0	910609	675	1.5-	1.1-	920719	809	0.6-	0.6+
900213	402	(4.0-	1.7+)	920629	801	0.1+	0.2+	920719	809	0.4-	0.9+
900213	402	0.9-	2.1+	920629	801	0.6+	0.0	920719	809	0.1-	0.9+
900227	402	1.3-	0.8+	920702	801	0.1-	0.5-	920720	809	0.6-	1.0+
910607	675	1.6+	0.8+	920702	801	0.5+	0.3-	920720	809	0.6-	1.1+
910607	675	0.1+	0.2-	920703	801	0.5+	0.2-	920720	809	0.6-	1.3+

(5436)* 1990 DK = 1986 XF2

Discovered 1990 Feb. 20 by C. S. Shoemaker at Palomar.

Id. C. M. Bardwell (MPC 18433), G. V. Williams (ibid.)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M 129.15801		(2000.0)		P		Q
n	0.08321554	Peri.	219.75463	-0.39869368		-0.90861249
a	5.1959677	Node	254.06499	+0.87087944		-0.33260782
e	0.0793416	Incl.	7.43117	+0.28742365		-0.25257749
P	11.84	H	10.2	G	0.15	

Residuals in seconds of arc

861201	010	0.6+	1.9-	890308	675	0.1+	0.6-	910416	675	0.6+	0.4-
861201	010	0.2+	2.5-	890308	675	0.5-	0.8-	910417	675	(3.2+	0.9-)
861203	010	(5.0-	0.0)	900126	675	0.2+	0.1+	910514	675	1.2-	1.6+
861203	010	(15.3-	2.6-)	900128	675	0.9-	1.1+	910516	675	0.5+	0.8-
890109	675	1.7+	1.1+	900220	675	0.1+	0.6+	910516	675	0.1-	0.9-
890109	675	0.5+	1.0+	900222	675	0.2-	0.5+	920426	675	1.5+	1.2-
890130	675	0.3-	0.0	900327	675	(3.2-	0.9-)	920426	675	0.3-	0.6-
890130	675	0.5-	1.1+	900327	675	0.5+	0.3+	920429	675	1.2-	2.0-
890202	675	1.3-	0.3+	910309	675	(2.4+	5.2+)	920429	675	1.9-	2.3-
890307	675	0.5-	2.1-	910309	675	(4.3+	2.9+)	920606	675	0.1+	1.5+
890307	675	1.0+	2.4-	910416	675	1.1+	0.4-	920606	675	0.7+	0.3-

(5437)* 1990 DU3 = 1981 WT4 = 1991 PG8

Discovered 1990 Feb. 26 by H. Debehogne at the European Southern Observatory.

Id. H. Kaneda (MPC 19027)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M 163.54690		(2000.0)		P		Q
n	0.28264956	Peri.	335.28944	+0.42292423		+0.90327999
a	2.2995199	Node	319.62312	-0.81174286		+0.34221116
e	0.1110849	Incl.	6.40365	-0.40275132		+0.25879872
P	3.49	H	13.0	G	0.15	

Residuals in seconds of arc

811124	095	1.2-	2.4+	900301	809	0.1-	2.2-	910807	675	0.9+	1.0-
900216	399	1.4-	0.2+	900301	809	0.1+	2.1-	921128	801	0.1-	0.6-
900216	399	0.1+	0.9-	900301	809	0.2+	1.8-	921128	801	0.1-	0.6-
900216	399	0.5-	0.3-	910711	809	1.7-	0.4+	921129	801	0.0	0.6-
900226	809	0.6-	1.6+	910711	809	1.5-	0.2+	921129	801	0.1-	0.9-
900226	809	0.1-	1.5+	910711	809	1.2-	0.0	921221	801	0.0	0.5-
900226	809	0.1-	1.5+	910712	809	0.9+	0.4-	921221	801	0.2-	0.7-
900227	809	0.4+	0.9+	910805	675	1.1+	0.8-	921225	801	0.1-	0.2+
900227	809	0.8+	0.8+	910805	675	2.1+	0.6-	921225	801	0.2-	0.3+
900227	809	1.3+	0.9+	910807	675	(2.1+	2.6-)				

(5438)* 1990 QJ = 1952 CD = 1970 AV = 1985 OT

Discovered 1990 Aug. 18 by E. F. Helin at Palomar.

Id. S. Nakano (MPC 17212, MPC 21263)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5
 M 337.44461 (2000.0) P Q
 n 0.21668825 Peri. 238.89116 -0.91991212 +0.00619577
 a 2.7452325 Node 298.72404 +0.23027741 -0.80076460
 e 0.2768009 Incl. 26.55731 -0.31738621 -0.59894713
 P 4.55 H 11.1 G 0.15

Bardwell

Residuals in seconds of arc

520201	711	1.8+	1.7+	Y	901015	801	0.0	0.7+	911009	801	0.3+	0.2+
700105	095	(21.5+	7.9+)		901016	801	0.0	0.7+	911009	801	0.2+	0.2+
850719	033	1.9-	0.3-		901016	801	0.1-	0.6+	911208	675	1.2-	2.7-
850721	033	1.8-	1.9-		901017	801	0.1+	1.0+	911208	675	0.1-	2.2-
900818	675	0.8-	0.4-		901018	801	0.2+	0.7+	921128	801	0.2+	0.0
900818	675	0.0	0.2-		901020	801	0.7+	0.1-	921128	801	0.2+	0.1+
900821	675	0.0	0.5+		901021	801	0.8+	0.1-	921129	801	0.3+	0.3+
900821	675	0.8+	0.7+		910910	801	0.3-	0.1+	921129	801	0.3+	0.2+
900922	675	0.0	0.3+		910910	801	0.4-	0.2-	921221	801	0.5+	0.3-
900922	675	0.0	1.7+		910913	801	0.1-	0.2-	921221	801	0.5+	0.4-
900924	675	0.5+	0.8+		910913	801	0.4-	1.6+	921224	801	0.7+	0.3+
900924	675	0.5+	0.9+		911008	801	0.1-	0.2+	921224	801	1.0-	0.6+
901015	801	0.1-	0.6+		911008	801	0.0	0.1-				

(5439)* 1990 RW = 1982 PW = 1982 QJ

Discovered 1990 Sept. 14 by H. E. Holt at Palomar.

Id. G. V. Williams (MPC 17825)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5
 M 119.29611 (2000.0) P Q
 n 0.12413646 Peri. 334.81392 +0.84536180 +0.53418726
 a 3.9798784 Node 352.89544 -0.48631378 +0.76747316
 e 0.1459947 Incl. 1.26074 -0.22104828 +0.35444170
 P 7.94 H 11.7 G 0.15

Williams

Residuals in seconds of arc

820814	095	0.1-	0.7+		900913	809	1.6+	0.1+	911010	801	0.2-	0.6+
820819	046	0.8-	1.7-		900914	809	0.2+	0.9+	911010	801	(5.9-	5.3-)
820819	046	2.0+	0.1+		900914	809	0.4+	0.9+	911103	801	0.5+	0.4+
820822	046	0.6+	0.2-		900914	809	0.8+	1.0+	911103	801	0.6+	0.4+
820822	046	0.9-	0.7-		900914	675	0.2-	1.2-	911108	801	1.1+	0.2+
820826	046	(80.3-	29.0-)		900914	675	0.2+	1.2-	911108	801	0.6+	0.0
900823	675	0.8-	0.4-		900915	809	0.2+	0.1-	911112	691	0.9-	0.3+
900823	675	0.2-	1.6-		900915	809	0.4+	0.3-	911112	691	0.9-	0.4+
900826	809	0.3+	0.4+		900915	809	0.6+	0.2-	911112	691	1.1-	0.4+
900826	809	0.7-	0.2-		900916	809	0.0	0.8+	921129	801	0.4+	0.4-
900826	809	1.2-	0.2-		900916	809	0.0	0.7+	921129	801	0.1+	0.3-
900913	809	1.3-	0.2+		900916	809	0.2-	0.6+	921221	801	0.2-	1.5-
900913	809	0.9-	0.1+		900918	675	0.8-	0.1+	921221	801	0.3-	0.1-
900913	809	0.6-	0.2+		900918	675	0.1+	1.4-	921224	801	0.1-	0.7-
900913	809	1.0+	0.0		911004	801	0.5-	0.1+	921224	801	0.2-	0.4-
900913	809	1.3+	0.1+		911004	801	0.0	0.3+				

(5440)* 1991 HD = 1975 JE = 1981 EM48 = 1982 TY2

Discovered 1991 Apr. 16 by A. Sugie at the Dynic Astronomical

Observatory.

Id. S. Nakano (MPC 18302)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5
 M 156.49512 (2000.0) P Q
 n 0.30794547 Peri. 148.71294 -0.09502914 +0.99289537
 a 2.1718017 Node 115.74883 -0.92896809 -0.06259776
 e 0.1415208 Incl. 4.56018 -0.35775376 -0.10119438
 P 3.20 H 13.2 G 0.15

Nakano

Residuals in seconds of arc

750511	095	1.9+	0.6+	910419	402	0.9-	0.3+	921023	801	0.5+	0.6-
810301	095	1.3-	2.0+	910419	402	1.2-	0.2+	921222	801	0.4+	0.0
821014	095	1.8-	2.5+	910421	402	0.2+	0.5+	921222	801	0.2-	0.3+
821015	095	(2.7+	7.5+)	910421	402	0.5-	0.3-	921227	801	0.8+	1.5+
821021	095	1.6-	0.5+	910505	402	0.3+	0.3-	921228	801	0.8+	1.1+
910416	402	0.9+	0.9+	910505	402	0.3+	0.9-				
910416	402	1.0+	0.9+	921023	801	0.4+	0.5-				

(5441)* 1991 JZ1 = 1958 DK = 1970 KC = 1990 DC9

Discovered 1991 May 8 by R. H. McNaught at Siding Spring.

Id. C. M. Bardwell (MPC 18827, unpublished)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Bardwell

M	73.67204		(2000.0)		P		Q
n	0.18474372	Peri.	144.02679		+0.10400617		+0.98426269
a	3.0532070	Node	131.47812		-0.95125574		+0.14037612
e	0.0780854	Incl.	10.99273		-0.29033641		-0.10733826
P	5.33	H	11.6	G	0.15		

Residuals in seconds of arc

580218	760	0.7-	0.6-	910511	413	0.2-	0.8+	920803	675	0.0	0.3-
580218	760	0.5+	0.4+	910511	413	(4.8+	0.5+)	920803	675	0.1+	1.6-
700529	095	0.3+	1.5+	910613	675	0.6-	0.6-	920806	675	0.0	0.5-
900227	809	(13.5-	19.5-)	910613	675	0.9+	1.3-	920806	675	0.8-	0.1+
900227	809	(15.5-	20.6-)	910615	675	0.6+	1.6-	920925	801	0.2+	0.0
900227	809	(17.0-	22.0-)	910615	675	0.0	0.9-	920925	801	0.1+	0.3+
910508	413	(1.5-	3.0+)	910812	801	0.8-	0.8+	921002	801	0.3+	0.7+
910508	413	0.3+	1.1+	910812	801	0.9-	0.9+	921002	801	0.5+	0.6+

(5442)* 1991 NH1 = 1982 VS8 = 1989 CV7

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

Id. G. V. Williams (MPC 18828)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	86.42647		(2000.0)		P		Q
n	0.20111985	Peri.	345.25947		+0.95206166		+0.30590300
a	2.8851347	Node	356.92697		-0.27795553		+0.86315247
e	0.0763402	Incl.	1.49568		-0.12774712		+0.40173519
P	4.90	H	12.8	G	0.15		

Residuals in seconds of arc

821109	095	1.2+	0.6+	910805	675	0.1-	1.1+	910906	809	0.3+	1.1-
821114	095	1.4-	0.1-	910808	675	0.2-	0.3+	910906	809	0.2-	0.7-
890213	049	(1.4-	2.8-)	910808	675	0.3-	1.2+	910907	809	0.7+	1.4+
890213	049	0.3+	0.8+	910810	675	1.5-	1.3-	910907	809	0.6-	0.8+
910712	675	0.6-	0.6+	910816	809	1.1+	0.3-	910907	809	0.0	0.3+
910712	675	1.5-	0.5-	910816	809	0.1+	0.3+	921028	801	0.2+	0.2-
910714	675	0.2-	0.2-	910816	809	2.0+	0.0	921028	801	0.2-	0.1-
910714	675	0.3-	0.2+	910904	809	0.7+	0.4+	921222	801	0.3-	0.1-
910717	675	0.2-	1.2-	910904	809	0.2-	0.4+	921222	801	0.2-	0.2-
910717	675	0.2-	0.6-	910904	809	0.8-	0.5+	921225	801	0.5+	0.0
910805	675	0.2-	0.6+	910906	809	1.7+	1.7-				

(5443)* 1991 NX1 = 1980 RZ5 = 1986 AJ2 = 1990 DQ5 = 1990 DL6

Discovered 1991 July 14 by H. E. Holt at Palomar.

Id. K. Ichikawa (MPC 18828)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Ichikawa

M	223.85336		(2000.0)		P		Q
n	0.25378470	Peri.	231.81067		-0.96721152		+0.22504581
a	2.4707327	Node	320.79324		-0.13221007		-0.84188737
e	0.1115744	Incl.	10.73218		-0.21684641		-0.49048960
P	3.88	H	12.5	G	0.15		

Residuals in seconds of arc

800913	675	0.5-	0.8+	900223	033	1.0-	1.3+	921028	801	0.1-	0.9-
800914	675	0.3-	0.7+	910714	675	0.8+	0.5+	921028	801	0.9+	0.2+
860112	688	0.3+	0.4-	910714	675	0.3+	0.0	921222	801	0.4-	0.3-
860112	688	1.2-	0.9-	910717	675	0.4-	0.1-	921223	801	0.4+	0.0
900220	046	1.7+	0.7-	910717	675	0.6+	0.2-	921227	801	0.8-	0.0
900220	046	0.8+	1.1-	910718	675	(0.2-	5.6-)				
900223	033	0.4-	1.8+	910718	675	1.1-	1.0-				

(5444)* 1991 PM8 = 1975 EL2 = 1977 UR4 = 1982 BO8

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

Id. K. Ichikawa (MPC 19030)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Ichikawa

M	343.70290		(2000.0)			P		Q			
n	0.26900791	Peri.	337.28084			-0.50595309		-0.86252486			
a	2.3766178	Node	143.11247			+0.79339118		-0.46895195			
e	0.1575295	Incl.	0.75363			+0.33844040		-0.19009189			
P	3.66	H	13.3			G	0.15				

Residuals in seconds of arc

750308	095	0.5-	0.8+	910805	809	0.0	0.0	921023	801	0.3-	0.0
771018	675	0.9-	0.6+	910805	809	1.3+	0.0	921023	801	0.0	0.1-
771019	675	0.9-	0.3+	910805	809	0.0	0.7-	921028	801	0.3-	0.1-
820119	095	0.5+	0.1+	910805	675	0.9-	0.5+	921028	801	0.3-	0.3-
820120	095	2.3+	0.2+	910805	809	1.6+	1.1+	921128	801	0.2-	0.2-
910803	809	1.6-	0.3-	910805	809	1.5+	0.4+	921128	801	0.3-	0.3-
910803	809	0.5-	1.0-	910805	675	0.0	0.9+	921129	801	0.1-	0.3-
910803	809	1.2-	0.4-	910807	675	2.8+	0.3-	921129	801	0.0	0.0
910805	809	1.6-	0.8-	910807	675	0.5-	0.2+				

(5445)* 1991 PA12 = 1970 JN = 1980 WZ1 = 1987 SK19

Discovered 1991 Aug. 7 by H. E. Holt at Palomar.

Id. K. Ichikawa (MPC 20338)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Ichikawa

M	208.62819		(2000.0)			P		Q			
n	0.24242931	Peri.	329.14576			-0.65100477		+0.75180673			
a	2.5472954	Node	260.02010			-0.67293050		-0.63547184			
e	0.2285839	Incl.	6.10741			-0.35122261		-0.17596073			
P	4.07	H	12.0			G	0.15				

Residuals in seconds of arc

700503	805	0.4-	1.0+	910808	675	1.2-	1.7-	921022	801	0.3+	0.0
700503	805	0.2+	1.5+	910808	675	0.6+	1.3-	921022	801	0.1-	0.2-
700503	805	0.6+	0.8+	910910	675	1.4+	0.2+	921024	801	0.2+	0.0
801130	095	0.7-	2.6+	910910	675	1.0+	0.3+	921024	801	0.0	0.1-
870917	095	0.6+	2.1+	910912	675	1.1+	0.2+	921223	801	0.2+	0.1-
870923	095	0.9-	0.8+	910912	675	1.1+	0.2-	921223	801	0.1-	0.6+
870923	095	(1.7+	4.9-)	910915	691	1.5-	0.1-	921227	801	0.2+	0.6+
910807	675	0.3+	0.2+	910915	691	1.2-	0.1+	921227	801	0.4-	0.3+
910807	675	0.3-	1.1+	910915	691	1.7-	0.2-				

(5446)* 1991 PB13 = 1980 TG9 = 1982 BO14 = 1986 WX3

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

Id. S. J. Bus (MPC 20151), S. Nakano (MPC 21265)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Nakano

M	14.96765		(2000.0)			P		Q			
n	0.17126635	Peri.	320.68908			+0.47326951		-0.87998890			
a	3.2113528	Node	101.02984			+0.81825442		+0.42213530			
e	0.1393298	Incl.	2.36139			+0.32630611		+0.21776437			
P	5.75	H	11.9			G	0.15				

Residuals in seconds of arc

801013	095	(1.2-	4.7-)	910808	675	0.3-	0.5-	921204	894	1.1-	0.1-
820130	675	0.2-	0.0	910907	399	0.2+	0.8+	921204	894	0.5+	0.8+
820131	675	0.2+	0.3+	910907	399	1.6-	0.9+	921214	894	0.5-	0.7+
861125	010	(6.1-	1.2+)	910912	675	0.5+	0.1-	921215	894	0.4+	0.3-
861125	010	1.6-	1.0+	910912	675	0.2-	0.2+	921215	894	1.1+	0.9+
861125	010	0.1+	0.0	921124	894	0.5+	1.2-	921216	894	0.5+	0.3-
861125	010	1.2+	0.1+	921124	894	0.2-	0.4+	921216	894	0.0	0.3-
910805	675	1.0+	0.9-	921129	894	0.2-	1.5-				
910808	675	0.6+	0.6-	921129	894	0.8-	0.6-				

(5447)* 1991 PO14 = 1991 RL12 = 1981 QW1 = 1986 QS2 = 1989 CM8 = 1989 EC1
 Discovered 1991 Aug. 6 by H. E. Holt at Palomar.

Id. S. Nakano (MPC 19869)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

				Nakano	
M 324.39740 (2000.0)				P	Q
n	0.19217476	Peri.	119.04030	-0.23452164	-0.97102063
a	2.9739830	Node	344.31976	+0.82214448	-0.17285438
e	0.0827121	Incl.	9.80547	+0.51872735	-0.16504638
P	5.13	H	12.0	G	0.15

Residuals in seconds of arc

810830	688	0.9-	1.5-	890308	875	1.0+	1.8+	910907	809	1.0+	0.5-
810830	688	1.7+	2.0-	910806	675	0.9+	0.9+	910907	809	0.6-	0.8-
860828	809	0.1-	0.7+	910806	675	1.4+	0.4-	910907	809	1.3-	1.0-
860828	809	0.5+	0.9+	910810	675	1.2+	1.1+	921001	801	0.5-	0.1-
860828	809	0.8+	1.2+	910810	675	(2.7-	5.2+)	921001	801	0.3+	0.2-
890209	809	0.7-	1.2-	910904	809	0.5+	0.2-	921022	801	0.3-	0.1+
890209	809	1.9-	0.4+	910904	809	0.2-	0.2+	921022	801	0.3-	0.3+
890209	809	(3.1-	1.9+)	910904	809	0.8-	0.5-	921029	801	0.5+	0.3+
890301	875	0.4-	0.8-	910906	809	0.1-	0.0	921029	801	0.0	0.1-
890301	875	0.6+	1.7-	910906	809	1.6-	0.6+				
890308	875	0.7+	0.7+	910906	809	1.7-	0.1+				

(5448)* 1992 SP = 1931 FN = 1954 EO = 1974 FV = 1979 WT2 = 1982 TD
 = 1984 HO2 = 1989 YU9

Discovered 1992 Sept. 26 by A. Sugie at the Dynic Astronomical
 Observatory.

Id. S. Nakano (MPC 21268), K. Ichikawa (ibid.)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

				Nakano	
M 253.47891 (2000.0)				P	Q
n	0.29765436	Peri.	205.90939	-0.97504505	-0.21568633
a	2.2215762	Node	321.51726	+0.21554029	-0.86292468
e	0.1449471	Incl.	4.84870	+0.05319334	-0.45699059
P	3.31	H	12.7	G	0.15

Residuals in seconds of arc

310321	690	1.5-	0.3-	791116	095	2.2+	0.5-	920926	402	1.1+	0.2+
310323	690	0.7+	0.0	821011	688	1.0-	2.6-	920926	402	0.2-	0.0
540226	675	1.2+	0.9+	821011	688	0.8-	2.0-	920927	402	2.5+	1.0-
540226	675	0.8+	0.0	840427	095	1.0+	1.0-	920927	402	0.5+	0.3-
540307	760	0.3-	2.3-	891221	071	2.3-	0.1+	921002	402	0.9+	0.5+
540307	760	0.3-	0.2-	891221	071	1.2-	0.8+	921002	402	0.9+	1.0+
550913	760	1.4+	0.7+	891222	071	1.0-	0.3-	921021	402	(3.7+	0.4+)
610511	760	2.1-	2.3-	891222	071	0.3-	1.0-	921021	402	0.1+	0.7+
610511	760	0.9-	1.4+	891223	071	1.5-	0.3-				
740320	095	0.2-	0.9-	891223	071	0.0	0.2+				

(5449)* 1992 US5 = 1941 BX = 1981 TF = 1982 YK3 = 1983 CY8 = 1986 OS
 = 1986 PZ6 = 1986 RP8 = 1990 HB3 = 1991 NY7

Discovered 1992 Oct. 28 by S. Ueda and H. Kaneda at Kushiro.

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5 Nakano
 M 30.29754 (2000.0) P Q
 n 0.18727986 Peri. 61.78193 +0.86502112 -0.49395201
 a 3.0255802 Node 327.59218 +0.38319018 +0.76365792
 e 0.1116272 Incl. 9.45419 +0.32388847 +0.41573789
 P 5.26 H 12.2 G 0.15

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

410123	119	(0.00- 0.08+)	X	860801	413	1.3+	1.1+	921028	399	0.8-	0.6-
811005	046	0.2+	1.3-	860806	095	0.4-	0.4+	921028	399	2.1-	0.2+
811005	046	0.2-	0.1-	860908	095	(3.7-	1.4-)	921102	399	0.7-	1.8-
821222	095	(28.6-	2.5+)	900428	413	0.2+	0.6-	921102	399	0.6+	2.2-
830210	095	1.9+	0.0	900429	413	1.0-	1.4+	921121	399	1.8+	1.5+
860727	413	0.7-	0.7-	900429	413	1.0-	0.2+	921121	399	0.0	0.5+
860727	413	0.6-	0.1+	910714	675	1.6+	1.2+	921127	399	0.0	1.8+
860801	413	1.1-	0.7-	910714	675	1.0+	1.0+	921127	399	0.5-	1.5+

(5450)* 2780 P-L = 1950 PH = 1953 FJ1 = 1962 BC = 1967 EP = 1974 SG3
 = 1977 JW = 1978 PX = 1988 RW11

Discovered 1960 Sept. 24 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.
 Id. E. Bowell (k, MPC 15423), B. G. Marsden (ibid.), H. Kaneda (MPC 18444)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5 Marsden
 M 226.36018 (2000.0) P Q
 n 0.20895307 Peri. 317.76457 -0.23121081 -0.97153820
 a 2.8125713 Node 145.51082 +0.91518653 -0.23515969
 e 0.1244458 Incl. 5.22101 +0.33011389 -0.02852092
 P 4.72 H 12.1 G 0.15

Residuals in seconds of arc

500812	760	1.3-	0.8-	620128	760	0.8+	0.8-	910416	374	1.0-	0.3-
500812	760	(4.1-	5.5+)	670309	095	0.9-	0.5+	920629	801	0.6+	0.5+
530321	760	0.5+	0.7-	670404	095	1.7-	1.3+	920629	801	0.4+	0.1-
530321	760	(16.5-	7.1-)	740921	095	(3.6+	6.6-)	920703	801	0.6-	0.4-
530405	760	0.0	0.5+	770515	095	1.5+	0.5-	920703	801	0.9-	1.0-
530405	760	0.4-	0.2+	780808	095	1.1+	2.0+	920721	809	0.4-	0.1+
600924	675	1.1-	0.3-	880914	807	0.3-	0.7-	920721	809	0.2-	0.0
600926	675	0.6+	0.3-	880915	807	0.1-	1.3-	920721	809	0.1-	0.0
600928	675	0.4+	0.2+	880915	095	(2.9-	2.8+)	920723	809	0.6+	0.3-
600929	675	0.8+	0.6+	880915	095	0.5-	0.7+	920723	809	0.7+	0.2-
620128	760	0.8+	0.7-	910416	374	0.2+	0.4-	920723	809	0.7+	0.1-

(5451)* 4598 P-L = 1988 RD2

Discovered 1960 Sept. 24 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.
 Id. S. Nakano (MPC 13687)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5 Nakano
 M 90.82208 (2000.0) P Q
 n 0.24469171 Peri. 254.14407 -0.08052687 +0.99673440
 a 2.5315696 Node 11.24218 -0.90232880 -0.07034102
 e 0.1448069 Incl. 1.76277 -0.42345975 -0.03965707
 P 4.03 H 14.1 G 0.15

Residuals in seconds of arc

600924	675	0.2+	0.1-	710514	675	0.1-	1.0-	880915	807	0.3+	0.7-
600926	675	0.4-	0.6-	710514	675	1.0-	1.0-	881006	807	0.4+	0.3-
600927	675	0.4+	0.6+	710516	675	1.1+	0.9+	881007	807	0.1-	1.0-
600928	675	0.2-	1.2-	880908	046	(2.3-	3.1-)	881008	807	1.4+	1.1-
600928	675	0.1+	0.9-	880908	046	(0.3-	3.6-)	881104	807	1.0+	0.3+
601022	675	0.1+	0.7+	880910	046	1.0-	2.1-	881106	807	2.4+	0.7+
601025	675	0.3-	0.5-	880910	046	0.4-	1.4-	910313	801	0.2-	1.0-
601026	675	0.7+	0.4-	880914	807	1.1+	0.4-	910313	801	0.2-	1.2-

910317	801	0.4-	0.7-	910419	801	0.2+	0.1+	920925	801	0.1+	0.5+
910317	801	0.3-	0.4-	920824	801	0.6-	0.6+	920925	801	0.3+	0.9+
910320	801	0.6-	0.4-	920824	801	0.4-	0.4+	920930	801	1.2-	1.0-
910320	801	0.8-	0.2-	920830	801	0.9-	0.0	920930	801	1.3+	1.9+
910419	801	0.2+	0.2-	920830	801	0.8-	0.1+				

1934 RB = 1974 KJ = 1978 US = 1987 FZ1 = 1992 YA

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 160.30682

(2000.0)

P

Urata

Q

n 0.29316320 Peri. 129.56236 +0.39582434 +0.91785783

a 2.2442079 Node 163.68124 -0.87131472 +0.38545654

e 0.1863727 Incl. 5.99115 -0.29005818 +0.09465864

P 3.36 H 12.8 G 0.15

Residuals in seconds of arc

340902	012	0.8-	0.6-	870323	220	4.0+	3.9-	921217	385	(2.8-	4.3+)
340905	012	5.1+	5.8+	870324	220	1.9-	0.5+	921218	885	2.3+	1.1+
340914	012	4.8-	4.1-	921216	385	1.0-	0.8+	921218	885	1.4+	0.0
740524	095	0.7-	3.4+	921216	385	1.7-	0.7+	921225	885	2.0-	1.7+
781028	688	2.2+	1.5-	921217	385	1.6-	1.0+	921225	885	0.8-	1.0+

1949 QL = 1949 QZ = 1969 TV3

Id. K. Reinmuth (MPC 383), T. Kobayashi (MPC 11856)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 13.50196

(2000.0)

P

Williams

Q

n 0.29752416 Peri. 25.63001 +0.99852423 -0.03126504

a 2.2222243 Node 336.03581 +0.00568588 +0.87335359

e 0.1974004 Incl. 6.27664 +0.05400961 +0.48608231

P 3.31 H 13.0 G 0.15

Residuals in seconds of arc

490820	690	1.8-	0.3-	891102	399	1.2-	0.5-	891119	399	1.0+	2.9+
490821	024	2.5-	1.0+	891102	399	1.0-	1.6-	891203	399	0.7+	0.7-
490822	024	1.0+	0.0	891102	399	1.8-	1.6-	891203	399	0.0	0.7-
490824	690	1.1+	1.3-	891102	875	1.5+	1.1-	920925	801	0.6-	0.5+
490826	690	2.7+	0.7-	891103	399	1.1+	1.4+	920925	801	0.4-	1.1+
691011	095	0.1+	1.4-	891103	399	1.6-	1.1+	921002	801	0.3+	1.5+
691014	095	2.8+	2.9-	891103	399	1.1+	0.4+	921002	801	1.0-	1.6+
891023	897	0.9-	1.1+	891119	399	0.7+	1.9+				
891023	897	1.1-	0.9+	891119	399	(1.0+	3.6+)				

1977 EK1 = 1984 FU1

Id. T. Kobayashi (MPC 12004)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 189.72933

(2000.0)

P

Williams

Q

n 0.28376183 Peri. 5.30798 -0.94569266 +0.32435513

a 2.2935070 Node 193.67721 -0.30147413 -0.89981346

e 0.1523583 Incl. 5.19930 -0.12156781 -0.29176958

P 3.47 H 14.5 G 0.15

Residuals in seconds of arc

770313	095	0.3+	0.3-	910321	801	0.0	0.5-	910419	801	0.8-	0.0
770322	095	1.1-	0.7-	910321	801	0.1+	0.5-	920921	033	(0.8-	4.8-)
770325	095	0.3+	0.2-	910409	402	0.1+	0.4+	920921	033	(0.4-	4.8-)
770410	381	0.6-	0.6-	910409	402	0.3-	0.4+	920922	033	1.5-	1.8-
770410	381	1.1-	0.5+	910412	402	1.3+	1.5+	920924	033	0.0	0.2+
840329	095	(2.7+	4.9-)	910412	402	2.7+	0.1-	920924	033	0.5+	0.2+
840404	095	3.6+	0.7-	910414	801	1.8-	0.1-	920926	033	0.8+	0.2-
910313	801	0.3-	0.5-	910414	801	1.6-	0.4-	920927	033	0.6+	0.2-
910313	801	0.5-	0.2-	910419	801	0.8-	0.2-	920928	033	0.4+	0.4-

1978 PE = 1978 SN = 1992 OE10

Id. H. Oishi (d, JAM 2045), G. V. Williams

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	27.89309		(2000.0)			P		Q	
n	0.28276586	Peri.	213.97948	+0.97442644				+0.21473628	
a	2.2988893	Node	133.47327	-0.18051088				+0.92347454	
e	0.2313676	Incl.	5.23336	-0.13382425				+0.31793569	
P	3.49	H	14.5	G	0.15				

Residuals in seconds of arc

780809	809	0.0	0.2-	920727	809	0.5+	0.1-	920803	809	0.9-	0.3+
780927	809	0.1+	0.1-	920727	809	0.5+	0.2-	920803	809	0.3-	0.4+
780928	809	0.3-	0.2+	920728	809	0.9-	0.2-	920803	809	0.3+	0.5+
780929	809	0.3+	0.3-	920728	809	0.1+	0.1-				
920727	809	0.1+	0.1+	920728	809	0.5+	0.3-				

1978 UL6 = 1992 OU6

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Marsden

M	355.67421		(2000.0)			P		Q	
n	0.27665745	Peri.	146.81444	+0.89428185				-0.44674158	
a	2.3326046	Node	239.74154	+0.40371384				+0.83057345	
e	0.1696674	Incl.	1.73247	+0.19306762				+0.33252022	
P	3.56	H	16.0	G	0.15				

Residuals in seconds of arc

781027	675	0.3-	0.4+	781129	675	0.1-	0.2-	920731	809	0.0	1.0+
781028	675	0.6+	0.1-	920730	809	0.3+	0.7-	920731	809	0.9+	1.6+
781029	675	0.3-	0.1+	920730	809	0.2+	1.2-	920731	809	0.7+	0.7+
781128	675	0.1+	0.2-	920730	809	2.0-	1.5-				

1979 HE3 = 1949 GE = 1975 DD

Id. C. M. Bardwell (MPC 11518), W. Landgraf (ibid.)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	251.24184		(2000.0)			P		Q	
n	0.26303741	Peri.	135.27706	-0.97189621				+0.23051122	
a	2.4124466	Node	58.10640	-0.22865725				-0.87611702	
e	0.1360353	Incl.	3.22566	-0.05597878				-0.42341888	
P	3.75	H	14.0	G	0.15				

Residuals in seconds of arc

490404	760	1.7-	0.5-	790426	323	0.2+	0.5+	790518	323	0.7-	0.1+
490404	760	0.7+	0.8+	790427	323	0.0	1.1+	910810	675	0.2-	0.4+
490420	760	0.7-	0.2+	790430	095	0.5+	0.9-	910810	675	0.9+	0.0
490420	760	1.6+	0.3-	790501	323	1.2+	0.9-	921123	691	0.4-	1.0+
750216	330	0.8+	1.1-	790502	323	0.1+	0.6+	921123	691	0.3-	0.1+
790425	095	0.2-	0.9+	790517	323	1.5-	0.3+	921123	691	0.5-	0.1+

1979 MK7 = 1978 JQ3

Id. S. J. Bus (MPC 13164)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	317.74623		(2000.0)			P		Q	
n	0.18159998	Peri.	280.72546	-0.84187843				-0.53846770	
a	3.0883429	Node	226.70640	+0.51243782				-0.77672428	
e	0.1036705	Incl.	2.83204	+0.16925774				-0.32672915	
P	5.43	H	14.0	G	0.15				

Residuals in seconds of arc

780509	675	0.0	0.6+	790629	413	0.7+	0.3+	911008	691	0.6-	0.1+
780510	675	0.3+	0.5+	790724	675	(3.9+	0.7-)	911008	691	0.1-	0.6+
790623	413	(8.4-	0.5-)	790724	413	2.1+	0.5-	911008	691	0.2+	0.4+
790624	413	1.9-	0.3-	790725	675	0.1+	0.1-				
790625	413	0.8+	0.2+	790823	675	1.7-	0.3-				

1979 MO7 = 1980 UV1

Id. S. J. Bus (MPC 18105)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	45.14696		(2000.0)		P		Q
n	0.17210928	Peri.	167.35462	+0.77517152			-0.62636860
a	3.2008588	Node	231.73887	+0.57011170			+0.74969778
e	0.1415164	Incl.	6.01568	+0.27217966			+0.21357813
P	5.73	H	14.5	G	0.15		

Residuals in seconds of arc

790624	413	0.9+	1.3-	790728	413	2.2-	0.2+	911004	691	0.1-	0.3+
790625	413	2.3+	0.5-	801014	675	0.7+	0.9-	911004	691	0.2-	0.4+
790629	413	0.3-	0.1-	801031	675	0.2+	0.0	911004	691	0.1-	0.4+
790724	413	0.3-	0.9+	801102	675	0.6-	0.1-				

1980 PZ = 1980 RZ = 1992 WB6

Id. B. G. Marsden (d, MPC 5597), G. V. Williams

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	100.39520		(2000.0)		P		Q
n	0.25797589	Peri.	353.52557	+0.72705879			+0.67845378
a	2.4438993	Node	323.02749	-0.62180775			+0.58566186
e	0.1914212	Incl.	10.08248	-0.29110246			+0.44350948
P	3.82	H	13.5	G	0.15		

Residuals in seconds of arc

800810	552	2.6+	2.2+	800818	046	0.4+	0.1+	801002	688	1.9+	0.1+
800810	552	0.3-	1.3+	800903	046	1.3+	1.9-	801005	688	1.0+	1.3+
800814	046	0.9+	0.3-	800903	046	0.6+	1.0-	921121	675	0.0	0.5-
800815	046	1.5-	0.2-	800907	688	1.5-	0.8-	921121	675	0.1-	0.4-
800817	046	0.9-	0.4-	800908	046	1.7-	0.6+	921122	675	0.0	1.4+
800817	046	0.5+	0.9-	800908	046	0.6-	0.8-				
800818	046	2.8-	0.6+	800917	688	0.5+	0.5+				

1981 ET17 = 1992 XR

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	353.69850		(2000.0)		P		Q
n	0.23052647	Peri.	150.03670	+0.35913487			-0.93306506
a	2.6342411	Node	278.90984	+0.85214064			+0.33669936
e	0.2422116	Incl.	1.17690	+0.38062905			+0.12658254
P	4.28	H	14.5	G	0.15		

Residuals in seconds of arc

810209	413	0.6-	2.1+	810307	413	1.1-	0.5-	810430	413	0.0	0.5+
810302	413	2.4+	1.8-	810311	413	1.4+	1.6-	810502	413	0.1+	0.2+
810303	413	1.0-	0.7+	810408	413	0.2-	0.6+	921213	010	0.4+	0.2-
810303	413	0.1-	0.8-	810411	413	2.7-	2.1+	921214	010	0.4-	0.3+
810307	413	0.1+	0.2-	810411	413	1.6+	0.8-				

1981 EY18 = 1976 UN1 = 1992 OE2

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Marsden

M	307.42788		(2000.0)		P		Q
n	0.30017582	Peri.	150.79699	+0.33562647			-0.94125306
a	2.2091180	Node	279.57134	+0.85673923			+0.32150792
e	0.1317644	Incl.	2.17269	+0.39160283			+0.10332150
P	3.28	H	15.0	G	0.15		

Residuals in seconds of arc

761026	095	0.5+	1.2-	810303	413	(2.7-	1.0+)	810311	413	2.3-	0.4-
810209	413	1.7+	0.8-	810303	413	0.2-	0.9-	810311	413	0.0	1.2-
810213	413	1.7+	0.6-	810307	413	1.5-	0.8+	810311	413	1.7-	1.4+
810301	413	0.9-	0.4+	810307	413	0.1+	0.6-	810311	413	1.1+	0.5-
810301	413	1.9+	0.8-	810307	413	1.6-	0.7-	810315	413	(3.1-	0.6-)
810302	413	0.1+	0.8-	810307	413	0.3+	1.1-	810315	413	(1.3+	2.9-)

810316	413	(3.3-	2.6+)	810408	413	1.3-	1.8+	920726	809	0.5+	0.3-
810316	413	0.6+	1.1+	810408	413	(2.8+	1.3-)	920726	809	0.4+	0.2+
810329	413	0.0	0.2-	810411	413	0.1+	0.7+	920726	809	0.5+	0.2-
810329	413	0.7+	0.7-	810411	413	(2.0+	1.7-)	920730	809	0.3-	0.5-
810407	413	(2.6-	2.6+)	810430	413	0.7+	1.2+	920730	809	0.1-	0.8-
810407	413	0.2-	0.6+	810502	413	0.1+	1.1-	920730	809	0.2-	0.3-

1981 EB28 = 1978 NV

Id. W. Landgraf (MPC 8288)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Marsden

M	97.36074		(2000.0)			P				Q	
n	0.28434452	Peri.	109.53337			-0.36839307				+0.92935803	
a	2.2903726	Node	138.82447			-0.86608443				-0.33366381	
e	0.1633960	Incl.	2.09671			-0.33791169				-0.15799404	
P	3.47	H	15.0			G	0.15				

Residuals in seconds of arc

780707	675	1.0-	0.2+	810315	413	1.1-	0.6-	910211	675	1.6+	1.0-
780707	675	0.8+	1.6+	810315	413	1.0-	0.2+	920726	809	0.1+	2.0-
780708	675	1.2+	1.3+	810405	413	0.6-	0.1+	920726	809	0.2+	1.4-
780710	675	0.6-	0.2-	810405	413	2.1+	1.0-	920726	809	1.0+	0.5-
780713	675	0.1+	1.2+	810406	413	0.4-	0.4+	920726	809	0.5+	0.6+
810209	413	0.7+	0.3-	810407	413	1.1-	0.8+	920726	809	0.0	0.1-
810212	413	0.5+	0.5-	810407	413	(3.6+	1.3-)	920726	809	0.1+	0.2+
810213	413	0.3+	0.3+	810410	413	0.2-	0.3+	920730	809	1.2+	0.8-
810302	413	1.1-	1.2-	810410	413	0.5+	0.1-	920730	809	0.9+	0.7-
810302	413	0.4+	1.7-	810426	413	0.4+	1.2-	920730	809	0.2+	0.8-
810306	413	1.8-	0.6-	810501	413	0.7+	0.6+	920730	809	0.1-	1.2-
810306	413	0.3+	0.8-	891003	809	0.2-	0.7-	920730	809	1.0-	0.6-
810311	413	1.3-	0.6-	891003	809	0.1+	0.7-	920730	809	0.9-	0.5-
810311	413	0.9-	0.3+	891003	809	0.1+	1.9-				

1981 EQ28 = 1992 OK10

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	318.65184		(2000.0)			P				Q	
n	0.21581306	Peri.	257.33483			+0.57077580				-0.82080384	
a	2.7526494	Node	157.81606			+0.77438967				+0.52908514	
e	0.2014331	Incl.	3.38161			+0.27301214				+0.21529043	
P	4.57	H	14.0			G	0.15				

Residuals in seconds of arc

810209	413	0.3-	1.0+	810315	413	0.4-	0.3+	810501	413	1.2+	0.7+
810212	413	0.7+	0.9-	810315	413	0.6-	0.9+	920724	809	0.1-	0.5-
810213	413	0.1-	1.2+	810405	413	0.3+	1.7-	920724	809	1.0+	0.5-
810306	413	0.6-	1.1-	810405	413	(3.5+	2.8-)	920724	809	0.2+	0.1+
810306	413	1.6+	0.3-	810406	413	0.9-	0.6+	920730	809	0.0	0.6+
810311	413	0.2-	0.7-	810406	413	0.6+	0.9-	920730	809	0.9-	0.2+
810311	413	0.3+	1.2+	810410	413	1.4-	0.1-	920730	809	0.3-	0.2+

1981 EP37

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	69.64449		(2000.0)			P				Q	
n	0.23515582	Peri.	130.36674			+0.83129804				-0.55396963	
a	2.5995543	Node	263.31932			+0.49510540				+0.77513112	
e	0.1339087	Incl.	2.61996			+0.25261475				+0.30379171	
P	4.19	H	15.5			G	0.15				

Residuals in seconds of arc

791122	675	0.2-	0.0	810213	413	(7.6-	1.1+)	810307	413	(5.6-	1.0+)
791124	675	0.0	0.0	810301	413	0.3-	0.2+	810311	413	1.7-	2.3+
791125	675	0.1+	0.4+	810301	413	(6.2+	0.8-)	810311	413	1.2+	1.4-

810315	413	0.2+	0.6-	921224	691	0.4+	0.1+	921225	691	0.5-	0.2+
810502	413	0.9+	0.2-	921224	691	0.4-	0.2-				
921224	691	0.1+	0.1-	921225	691	0.2+	0.5-				

1981 QE = 1992 OA8

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	354.87159		(2000.0)			P		Q			
n	0.26228260	Peri.	164.54710			+0.98033241		-0.19716991			
a	2.4170728	Node	206.82893			+0.17901142		+0.90654488			
e	0.2188677	Incl.	1.08025			+0.08308600		+0.37322970			
P	3.76	H	14.0			G	0.15				

Residuals in seconds of arc

810830	688	0.1-	0.2-	810925	688	0.3+	1.3-	920722	809	0.4-	0.2-
810830	688	0.8-	1.2-	810925	046	1.4-	0.4-	920722	809	0.0	0.1-
810902	095	0.5+	1.7+	810925	046	1.7-	0.1-	920722	809	0.2+	0.1-
810903	688	0.3+	0.5-	810925	095	0.9-	2.6+	920723	809	0.3-	0.1-
810903	688	0.6+	0.2-	811005	688	0.9+	2.3-	920723	809	0.0	0.3+
810922	046	1.9+	1.5+	811005	688	2.5+	0.6-	920723	809	0.5+	0.3+
810922	046	1.2-	0.0	811005	046	2.3-	0.6+				
810925	688	1.2+	0.9-	811005	046	0.3+	1.2+				

1981 QE1 = 1981 RJ4 = 1981 SW3 = 1928 RD = 1985 UV

Id. T. Furuta (d, JAM 2059), B. G. Marsden (MPC 11740), G. V. Williams;

1981 QE1 = 1928 RG (MPC 11740) is invalid

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	322.52683		(2000.0)			P		Q			
n	0.26063810	Peri.	137.22596			+0.74696236		-0.66434028			
a	2.4272292	Node	264.42554			+0.60260123		+0.69327792			
e	0.2013108	Incl.	1.52244			+0.28092523		+0.27931651			
P	3.78	H	14.0			G	0.15				

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

280909	024	(0.02-	0.05-)X	891225	046	1.1+	1.5-	910419	809	(4.4-	2.0+)
810828	046	0.2+	0.2-	891225	046	1.5-	0.7-	910419	809	(4.2-	1.3+)
810828	046	2.5-	1.3+	891226	046	0.7-	0.3-	920720	809	0.0	1.0-
810905	095	(0.6-	4.5+)	891226	046	(3.4+	1.3-)	920720	809	0.1+	0.9-
810925	095	0.6+	0.3+	910408	809	1.6-	0.2+	920720	809	0.3+	0.8-
851020	046	1.6+	0.1-	910408	809	0.2-	0.7-	920721	809	0.2-	0.2+
851020	046	0.2-	0.4+	910408	809	1.1+	0.5-	920721	809	0.1+	0.5+
851022	046	0.1+	0.9-	910410	809	0.9+	1.0-	920721	809	0.8+	0.5+
851022	046	1.2-	0.9-	910410	809	0.4-	1.3-	920722	809	0.4-	1.0-
851025	046	1.4+	0.6-	910410	809	0.0	2.0-	920722	809	0.0	1.2-
851025	046	1.1+	1.7-	910419	809	1.2-	0.1-	920722	809	0.2+	1.3-

1981 UC26 = 1981 SU8 = 1992 YR

Id. G. V. Williams (d, MPC 20484), S. Nakano

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Nakano

M	48.34691		(2000.0)			P		Q			
n	0.18430999	Peri.	222.24265			+0.92553635		-0.37797108			
a	3.0579952	Node	159.93065			+0.36276064		+0.86779482			
e	0.1261534	Incl.	3.81144			+0.10856881		+0.32259885			
P	5.35	H	13.3			G	0.15				

Residuals in seconds of arc

810924	033	0.1-	0.0	811026	675	0.0	0.1+	921221	372	2.7-	0.3+
810924	033	0.0	0.0	921217	372	1.0+	0.9-	921221	372	0.7-	1.1+
811025	675	0.0	0.1-	921217	372	2.4+	0.5-				

Residuals in seconds of arc

821021	095	1.1+	1.1+	921118	400	1.3-	1.8-	921127	400	0.4+	1.1-
821023	095	1.0-	0.2-	921121	400	1.4+	0.9+	921219	400	0.5+	0.2+
821112	095	0.0	0.7-	921121	400	(4.4+	1.0+)	921219	400	0.1-	0.7+
921118	400	1.4-	0.3+	921127	400	0.5+	0.8+				

1983 AN2 = 1978 EV3 = 1991 RK38 = 1992 WV2

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

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	52.29057		(2000.0)			P		Q			
n	0.18729549	Peri.	292.42346			+0.96635796		-0.17491346			
a	3.0254119	Node	78.05761			+0.24106072		+0.87157148			
e	0.1330929	Incl.	11.11266			-0.08967729		+0.45800484			
P	5.26	H	11.0			G	0.15				

Residuals in seconds of arc

780306	095	0.6-	0.4-	910908	808	0.1+	0.0	921125	877	1.0+	0.1-
821224	095	2.1+	2.6+	921121	894	1.2+	0.1+	921125	877	0.4-	0.1+
830110	675	1.8-	0.4+	921121	894	0.0	0.8-	921127	894	0.9-	0.9-
830111	675	(3.7+	0.1+)	921122	894	0.7-	1.5-	921204	894	1.0+	0.4+
830111	675	0.9-	1.0-	921122	894	0.8-	0.5-	921204	894	0.6-	0.3-
830112	675	0.4-	0.2-	921123	877	0.0	0.1-	921214	894	0.6-	1.1+
830112	675	1.9+	1.2-	921123	877	1.0+	1.1+	921214	894	0.4-	1.1+

1984 UK1 = 1992 YO

Id. K. Ichikawa; 1984 UK1 = 1988 XS2 (MPC 14616) is invalid

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Ichikawa

M	348.75226		(2000.0)			P		Q			
n	0.25772459	Peri.	245.67101			-0.40848598		-0.91154451			
a	2.4454877	Node	228.52383			+0.85861228		-0.36619935			
e	0.1540877	Incl.	3.61026			+0.30971626		-0.18704182			
P	3.82	H	13.5			G	0.15				

Residuals in seconds of arc

841026	688	1.3-	1.4-	841030	046	0.8+	0.4+	921222	894	0.3+	0.5-
841026	688	1.7+	0.1-	921216	886	0.8+	0.3-	921225	894	0.7+	0.2+
841028	046	3.4-	0.9-	921216	886	0.7-	0.9+	921225	894	2.5-	2.3-
841028	046	0.3-	0.6+	921217	399	0.7-	0.1-	921229	403	0.1-	0.7+
841029	046	2.0+	1.2+	921217	399	1.4-	0.5+	921229	403	0.9+	0.8+
841029	046	1.4+	0.9-	921218	403	0.5+	0.5-				
841030	046	0.7-	1.1+	921218	403	2.2+	0.6+				

1985 GS = 1992 OU9

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	198.72778		(2000.0)			P		Q			
n	0.18298219	Peri.	26.35195			-0.87111436		-0.43971811			
a	3.0727708	Node	125.83183			+0.38934635		-0.88976221			
e	0.1298734	Incl.	15.64595			+0.29928114		-0.12235683			
P	5.39	H	11.5			G	0.15				

Residuals in seconds of arc

850413	675	0.1-	1.7-	850424	688	1.0+	0.1-	920730	809	0.2+	0.6-
850415	688	0.3+	1.0+	850425	675	1.3-	0.7+	920730	809	0.3+	0.8-
850415	688	0.0	0.1-	920729	809	0.8+	0.2+	920731	809	1.1-	0.4+
850423	675	1.8-	0.4+	920729	809	1.1+	0.2+	920731	809	1.2-	0.4+
850424	675	1.0+	0.9+	920729	809	1.1+	0.3+	920731	809	1.2-	0.5+
850424	688	0.8+	1.2-	920730	809	0.1-	0.6-				

1985 KE = 1977 XT = 1992 WV5

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	39.47859		(2000.0)		P		Williams	Q
n	0.19718512	Peri.	162.16544	+0.85400729				-0.51870078
a	2.9233891	Node	229.14814	+0.47061110				+0.80318342
e	0.1332849	Incl.	3.05121	+0.22180339				+0.29299468
P	5.00	H	13.0	G	0.15			

Residuals in seconds of arc

771207	675	0.4-	0.3+	850524	474	0.0	0.5+	921124	691	0.7-	0.9+
771208	675	0.4+	0.3+	850525	474	0.8+	0.7+	921129	894	0.8+	0.9-
850523	474	0.0	0.0	850525	474	0.1+	0.3-	921129	894	0.1+	0.9-
850523	474	0.3+	0.9-	921124	691	0.7-	0.2-	921204	894	0.8+	0.7-
850524	474	1.1-	0.2+	921124	691	0.9-	0.8+	921204	894	0.7+	0.7+

1985 TN = 1992 UK3

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	28.69631		(2000.0)		P		Nakano	Q
n	0.28539957	Peri.	4.38125	+0.86352454				-0.50287013
a	2.2847245	Node	25.91849	+0.46000770				+0.75451364
e	0.1610149	Incl.	4.99266	+0.20668401				+0.42169989
P	3.45	H	14.4	G	0.15			

Residuals in seconds of arc

850920	095	1.2-	0.0	851020	688	1.1-	1.0-	921028	400	1.9-	0.1-
851015	688	0.0	1.4+	921026	400	2.4+	0.5+	921115	400	1.8+	0.6+
851015	688	1.7+	0.2-	921026	400	1.0-	1.1+	921115	400	1.4-	1.5-
851020	688	0.8+	1.0-	921028	400	0.1-	0.1+				

1985 TR = 1976 JA10 = 1991 HC5 = 1992 OZ8

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	284.77253		(2000.0)		P		Williams	Q
n	0.26008612	Peri.	62.63195	+0.22350939				-0.97456675
a	2.4306621	Node	14.48031	+0.86978740				+0.19191169
e	0.1337004	Incl.	3.72010	+0.43990161				+0.11571327
P	3.79	H	14.0	G	0.15			

Residuals in seconds of arc

760502	809	0.3-	0.8-	851020	688	1.0-	0.1+	920724	809	0.9+	1.7-
850920	095	0.6+	2.0+	851020	688	0.1-	0.2-	920724	809	1.0+	1.4-
850922	095	1.4-	0.8-	851107	688	2.7+	1.2-	920724	809	1.2+	1.4-
851011	010	(0.2+	3.8+)	851107	688	1.9+	0.4+	920726	809	1.2-	1.5+
851011	010	(3.4+	1.1+)	910419	809	0.3+	1.1+	920726	809	1.0-	1.5+
851015	688	0.2-	0.5+	910419	809	0.4+	0.8+	920726	809	0.7-	1.2+
851015	688	2.8-	0.4+	910419	809	0.2+	0.2-				

1985 UG2 = 1990 EB8

Id. H. Kaneda (MPC 17436)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	67.76201		(2000.0)		P		Bowell	Q
n	0.30241745	Peri.	252.16506	+0.74055195				-0.67179137
a	2.1981879	Node	150.03379	+0.62852093				+0.68362629
e	0.1166894	Incl.	1.91693	+0.23779034				+0.28522177
P	3.26	H	14.1	G	0.15			

Residuals in seconds of arc

540226	675	0.5-	0.7+	851020	049	0.5-	0.2-	900304	809	0.1+	0.2-
540226	675	0.5+	0.8-	851020	049	1.2-	0.1+	900304	809	0.1+	0.2-
850921	095	1.4+	0.0	851024	049	1.7-	1.3-	900306	809	0.2-	0.4+
851017	010(45.9-	9.2-)		851024	049	0.2-	0.0	900306	809	0.1+	0.2+
851018	010(45.3-	11.7-)		851112	095	1.8+	0.6+	900306	809	0.0	0.2+
851018	095	0.8+	0.8+	900304	809	0.1-	0.3-				

1987 QM = 1987 SX

Id. B. G. Marsden (d, MPC 15414)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	50.53243		(2000.0)		P		Q	
n	0.21031647	Peri.	11.57047		+0.96715462		+0.22056830	
a	2.8004029	Node	334.59005		-0.25032320		+0.74011901	
e	0.2746880	Incl.	17.12358		-0.04416153		+0.63527433	
P	4.69	H	13.0	G	0.15			

Residuals in seconds of arc

870825	675	1.0+	2.5+	870920	675	0.9-	0.5+	900224	809	(3.6-	3.6-)
870827	675	(59.8-	29.7+)	870920	095	0.9-	0.3-	900224	809	(3.5-	3.5-)
870827	095	1.6+	2.3-	871117	010	2.8+	0.6-	921221	801	0.2-	0.1-
870902	095	0.5+	1.1-	871117	010	0.1-	0.5-	921221	801	0.0	0.1+
870916	095	0.5+	2.1-	871117	010	0.6-	0.6+	921223	801	0.2+	0.1-
870918	675	1.8-	1.3+	900224	809	2.2-	2.7-	921223	801	0.0	0.0

1987 QF7 = 1981 GG1

Id. C. M. Bardwell (MPC 12439)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Nakano

M	50.15952		(2000.0)		P		Q	
n	0.21685073	Peri.	130.56992		+0.99539181		-0.03014555	
a	2.7438611	Node	231.35601		-0.00141585		+0.94457606	
e	0.2413787	Incl.	6.69298		+0.09588091		+0.32690567	
P	4.55	H	12.8	G	0.15			

Residuals in seconds of arc

810404	474	(1.9+	8.2+)	870913	026	1.6+	0.6+	921118	894	0.4+	0.4-
810404	474	(0.4+	8.1+)	870915	026	0.9-	0.3+	921118	894	1.1+	0.6+
810405	474	1.0+	2.2+	870917	026	1.8-	0.6+	921121	894	0.8+	0.2+
810405	474	0.3+	1.8+	870920	026	0.4+	0.7+	921121	894	1.5-	1.0-
870830	026	2.1+	0.8+	870929	026	1.3-	1.0-	921127	399	0.6-	0.7+
870903	026	1.0+	0.6-	870930	026	2.3-	1.1+	921127	399	0.2-	1.6+

1987 SZ3 = 1990 KQ3

Id. B. A. Skiff

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Bowell

M	172.71749		(2000.0)		P		Q	
n	0.26925943	Peri.	223.82751		+0.98227849		+0.16579212	
a	2.3751376	Node	126.42953		-0.12756922		+0.93310116	
e	0.2817666	Incl.	6.23748		-0.13731373		+0.31911627	
P	3.66	H	14.0	G	0.15			

Residuals in seconds of arc

540728	675	0.2+	0.5-	870926	688	0.1+	1.4+	871122	688	0.2+	0.7-
540728	675	0.3-	0.7-	870926	688	0.2+	0.7-	871122	688	0.1+	0.7-
540928	675	0.9-	0.4+	871020	688	0.7+	0.1+	900526	675	0.2-	1.0-
540928	675	0.8+	1.1+	871020	688	0.1+	0.8-	900526	675	0.0	0.4+
870924	095	(1.6-	3.8-)	871022	095	0.9-	0.0				

1987 SE13 = 1992 OL7

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	304.49082		(2000.0)		P		Q	
n	0.17542998	Peri.	305.32898		+0.73724780		-0.67379608	
a	3.1603378	Node	97.08748		+0.63497413		+0.66591649	
e	0.1865109	Incl.	2.86749		+0.23081060		+0.32024063	
P	5.62	H	12.0	G	0.15			

Residuals in seconds of arc

870901	095	1.2-	0.7+	870925	095	0.5+	0.2-	871001	809	0.3-	0.2+
870920	095	(2.1-	3.2-)	870927	809	0.4+	1.0-	871001	809	0.6-	0.6+
870924	413	0.4+	0.1-	870927	809	0.3+	0.8-	871001	809	0.7-	0.6+
870924	413	0.9+	0.7+	870927	809	0.3+	0.9-	920719	809	1.4-	0.5-

920719 809	0.9-	0.4-	920720 809	1.7+	0.0	920721 809	0.8-	0.3+
920719 809	0.7-	0.6-	920720 809	1.9+	0.5+	920721 809	0.6-	0.6+
920720 809	1.5+	0.3-	920721 809	0.7-	0.3+			

1987 WS3

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	98.16482		(2000.0)		P		Williams	
n	0.23875882	Peri.	163.31787	+0.67206042		Q		
a	2.5733357	Node	243.90340	+0.64998015				
e	0.2394145	Incl.	13.48627	+0.35476838				
P	4.13	H	12.5	G	0.15			

Residuals in seconds of arc

871122 675	0.2-	2.2+	880115 688	0.0	0.6-	911029 563	0.6-	0.5-
871122 675	0.1-	0.5+	880206 688	1.0-	0.4-	911208 675	0.2-	2.2-
871124 688	2.1+	0.4+	880206 688	1.2-	0.6-	911208 675	0.6+	1.2-
871124 688	0.8-	0.7+	911029 563	0.1-	0.7+			
880115 688	0.6+	0.0	911029 563	0.7+	0.0			

1988 CX1 = 1983 VV2 = 1992 HX4

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	49.65318		(2000.0)		P		Williams	
n	0.28619063	Peri.	307.18873	-0.47255074		Q		
a	2.2805124	Node	294.56365	-0.79366861				
e	0.1042701	Incl.	2.57625	-0.38312652				
P	3.44	H	14.0	G	0.15			

Residuals in seconds of arc

831108 381	0.0	1.0+	880216 809	0.8-	0.1+	880223 809	0.8+	0.9+
831108 381	0.4-	1.1+	880216 809	1.7-	0.6+	880223 809	0.0	0.8+
880119 071	0.3+	0.2+	880217 809	1.3+	0.9-	880223 809	1.0-	0.7+
880119 071	(5.1+	2.6-)	880217 809	0.7+	1.4-	920423 809	0.4+	0.1-
880119 071	1.0-	0.3-	880217 809	0.1-	1.5-	920423 809	0.4+	0.2+
880211 809	1.2+	0.3+	880221 809	0.5+	0.5+	920423 809	0.7+	0.6+
880215 809	1.5+	1.6-	880221 809	0.3-	0.1+	920424 809	0.5-	0.1+
880216 809	0.4+	0.2+	880221 809	2.1-	0.4+	920424 809	0.2-	0.7+

1988 CF6 = 1979 SR11 = 1992 JF2

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	132.66558		(2000.0)		P		Williams	
n	0.26971107	Peri.	236.94711	-0.73251374		Q		
a	2.3724853	Node	260.29186	+0.64389293				
e	0.1402235	Incl.	3.65244	+0.22096497				
P	3.65	H	13.5	G	0.15			

Residuals in seconds of arc

790924 095	0.5-	1.8+	880216 809	0.1-	0.7+	920503 809	0.5+	0.3-
880210 033	0.3+	0.0	880216 809	0.2+	0.2-	920504 809	0.4-	0.7+
880211 033	0.8-	0.3-	880314 033	0.2+	0.3+	920504 809	0.2-	0.4+
880215 809	0.4-	0.4-	880314 033	0.6+	0.3-	920504 809	0.2+	0.4+
880215 809	0.3+	0.1+	920503 809	0.0	0.1-			
880215 809	0.2-	0.3+	920503 809	0.3+	0.1+			

1988 EB1 = 1986 TH7

Id. S. Nakano (MPC 13161)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	94.39548		(2000.0)		P		Williams	
n	0.25993779	Peri.	128.65259	-0.99676166		Q		
a	2.4315868	Node	55.23822	-0.07960207				
e	0.1378569	Incl.	3.09122	+0.01138910				
P	3.79	H	14.0	G	0.15			

Residuals in seconds of arc

861007	675	0.9+	1.3-	920424	809	0.2+	0.5+	920501	809	0.5+	1.3-
861007	675	0.2+	0.3-	920424	809	0.6+	0.5+	920501	809	1.0+	1.3-
861008	675	(5.6-	1.5-)	920424	809	0.9+	0.6+	920501	809	1.1+	1.8-
861008	675	0.7-	0.4+	920424	691	1.1-	0.3+	920504	809	(0.1+	3.7+)
880313	054	0.6+	0.3+	920424	691	1.2-	0.1+	920504	809	(0.4+	3.8+)
880313	054	0.3+	0.2-	920424	691	1.4-	0.1-	920504	809	(0.6+	3.8+)
880314	054	0.8-	0.1-	920425	809	0.5-	1.1+				
880318	054	0.2-	0.2-	920425	809	0.2-	0.6+				

1988 FE = 1992 JX2

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

				Williams	
M			(2000.0)	P	Q
n	0.26263939	Peri.	139.31707	-0.98454537	+0.11475300
a	2.4148832	Node	47.79351	-0.16634201	-0.84903590
e	0.1792931	Incl.	10.28835	+0.05477907	-0.51572260
P	3.75	H	13.5	G	0.15

Residuals in seconds of arc

880316	399	0.3-	3.1- Y	880321	399	0.7-	0.7+	920511	809	0.3-	0.1+
880316	399	1.5-	1.9- Y	880408	399	0.9+	0.7+	920511	809	0.2+	0.2+
880316	399	2.3-	1.0- Y	880408	399	3.0+	0.9+	920512	809	0.1+	0.4-
880317	399	0.9+	1.3+ Y	880408	399	1.2+	0.1+	920512	809	0.1+	0.1-
880317	399	0.8-	0.5+ Y	920504	809	0.1+	0.1-	920512	809	0.2+	0.4-
880317	399	1.1+	0.9+ Y	920504	809	0.5+	0.2-	920513	809	0.8-	0.0
880321	399	1.4-	0.0	920504	809	0.8+	0.4-	920513	809	0.6-	0.1+
880321	399	0.3+	1.4+	920511	809	0.3-	0.2+	920513	809	0.4-	0.2+

1988 FS2 = 1992 JS1

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

				Williams	
M			(2000.0)	P	Q
n	0.26343468	Peri.	202.36122	-0.86111826	+0.50836541
a	2.4100206	Node	8.20241	-0.45949113	-0.77288903
e	0.1359589	Incl.	2.53928	-0.21758504	-0.37974617
P	3.74	H	13.5	G	0.15

Residuals in seconds of arc

880315	809	0.1+	0.1+	880322	809	0.4+	0.5+	920501	809	0.9+	0.3+
880315	809	0.9-	0.1-	880322	809	0.4+	0.9+	920501	809	1.0+	0.2+
880316	809	0.5+	0.1+	880410	808	0.4-	1.1+	920507	809	2.4-	0.8+
880316	809	0.2-	0.4+	880410	808	0.7-	0.9+	920507	809	1.8-	0.7+
880321	071	2.8-	1.2-	880412	808	1.2+	0.4-	920507	809	0.9-	1.0+
880321	071	0.0	2.9-	880412	808	1.3+	0.7+	920512	809	0.6+	1.5-
880322	809	1.3+	0.1+	920501	809	1.2+	0.3+	920512	809	1.4+	2.0-

1988 PV1 = 1992 YB2

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

				Marsden	
M			(2000.0)	P	Q
n	0.28405730	Peri.	80.41394	+0.98239989	-0.17098843
a	2.2919163	Node	289.40229	+0.12419724	+0.89860777
e	0.1684759	Incl.	4.57226	+0.13951879	+0.40406316
P	3.47	H	14.5	G	0.15

Residuals in seconds of arc

880812	511	0.1+	0.5+	880818	511	2.3-	0.2+	921219	010	0.1-	0.4+
880812	511	0.7+	0.7-	880818	511	2.3+	0.8+	921219	010	0.2-	0.2+
880814	511	1.4-	0.5+	921218	010	0.5+	0.1-	921220	010	0.1+	0.5-
880815	511	0.0	0.1+	921219	010	0.8+	0.2+				
880818	511	0.8+	1.4-	921219	010	1.1-	0.2-				

1988 RQ2 = 1981 AW2 = 1992 PC6

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	130.76110		(2000.0)		P		Q	
n	0.21243054	Peri.	251.50754			-0.90695357		+0.39676225
a	2.7817926	Node	311.60129			-0.27828886		-0.81650519
e	0.0675455	Incl.	10.90560			-0.31621281		-0.41940313
P	4.64	H	12.5		G	0.15		

Residuals in seconds of arc

810108	381	0.2+	0.9+	880909	054	0.7+	0.1-	920801	809	0.7-	0.3+
810108	381	0.2-	0.9-	880916	054	0.3-	0.2-	920802	809	0.7+	0.0
880908	054	0.2-	1.0+	920801	809	0.7-	0.2-	920802	809	0.7+	0.0
880908	054	0.2-	0.7-	920801	809	0.8-	0.0	920802	809	0.8+	0.1-

1988 RE10 = 1992 OR4

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Marsden

M	26.42673		(2000.0)		P		Q	
n	0.24288996	Peri.	176.88887			+0.93564299		+0.35261447
a	2.5440736	Node	162.43997			-0.32491092		+0.87747850
e	0.2324174	Incl.	2.91395			-0.13785896		+0.32510692
P	4.06	H	15.5		G	0.15		

Residuals in seconds of arc

880914	807	0.8-	0.3-	881104	807	2.4+	0.2+	920730	809	0.1+	0.7+
880915	807	0.4-	0.5+	881106	807	2.0-	1.2-	920730	809	0.9-	0.1+
880916	807	0.2+	0.5+	920726	809	1.6+	0.9+	920730	809	1.9-	0.4-
881004	807	0.0	0.3+	920726	809	1.0+	1.7+	920731	809	0.8+	0.2+
881005	807	0.0	0.6+	920726	809	0.7+	1.4+	920731	809	0.4-	0.3-
881007	807	0.6-	0.1+	920730	809	0.3+	1.9-	920731	809	0.8-	0.1+
881008	807	1.2+	0.4-	920730	809	0.1+	1.5-				
881008	807	0.1+	0.0	920730	809	0.5-	1.5-				

1988 TL = 1982 BP14

Id. G. V. Williams (MPC 20146)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	3.31803		(2000.0)		P		Q	
n	0.26194324	Peri.	140.86727			+0.20116389		-0.97927510
a	2.4191600	Node	297.51618			+0.89193658		+0.19304459
e	0.1708515	Incl.	1.51989			+0.40494718		+0.06127036
P	3.76	H	13.5		G	0.15		

Residuals in seconds of arc

820130	675	0.5-	0.6-	881013	399	0.7+	0.5-	921127	399	1.5-	0.3-
820131	675	0.0	1.0-	881013	399	1.4-	0.7-	921127	399	0.3-	0.2-
881003	399	(5.3+	0.5-)	881015	399	1.4-	1.1-	921129	399	0.3+	1.1+
881003	399	(2.9+	1.8-)	881016	399	0.0	0.9+	921129	399	0.9-	0.0
881003	399	0.2-	0.7+	881016	399	0.5+	1.3-	921222	801	0.4+	0.2+
881003	399	0.5-	0.7-	881018	399	(2.9-	0.2+)	921222	801	0.7+	0.7+
881005	399	0.9+	0.2-	881019	399	0.7+	0.1-	921227	801	0.9+	0.2+
881008	399	0.9-	0.4+	881019	399	(0.2+	3.3+)	921227	801	0.3+	0.5+
881013	399	2.1+	2.0+	881019	399	0.3+	0.8-				

1988 VO5 = 1992 YF

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Nakano

M	356.19781		(2000.0)		P		Q	
n	0.26359522	Peri.	48.77118			-0.24958237		-0.96333265
a	2.4090419	Node	55.94317			+0.84909087		-0.26660523
e	0.1679070	Incl.	6.82696			+0.46556775		-0.03019706
P	3.74	H	13.5		G	0.15		

Residuals in seconds of arc

881104	046	1.9-	1.0-	881105	046	2.0-	2.7+	881105	046	2.6+	0.5-
881104	046	1.7+	1.2-	881105	046	0.6+	1.1-	881110	046	(4.1-	0.2+)

881110	046	0.5+	0.1+	881111	046	1.5-	2.7+	921221	885	0.8+	1.2-
881110	046	(3.5+	1.3-)	921218	885	0.6-	0.7+	921224	885	1.8+	0.1+
881110	046	1.7+	2.4-	921218	885	0.3-	0.9-	921230	885	0.1-	0.8+
881111	046	1.9-	0.9+	921221	885	0.5+	0.3+	921230	885	2.2-	0.0

1988 XX1 = 1992 WD6

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	49.18002		(2000.0)			P		Q			
n	0.23750917	Peri.	349.47325			+0.96322374		-0.24615257			
a	2.5823541	Node	25.57225			+0.26109137		+0.76265561			
e	0.1882671	Incl.	14.45456			+0.06349270		+0.59813488			
P	4.15	H	12.5			G	0.15				

Residuals in seconds of arc

881207	801	0.4-	0.3+	921121	675	0.2+	1.2-	921221	801	0.1-	0.0
881210	801	0.5-	0.5+	921121	675	0.1-	1.5-	921221	801	0.2-	0.1-
881213	801	0.5-	1.0+	921122	675	1.9+	0.0	921225	801	0.5-	0.5-
890106	801	1.5+	1.0-	921129	801	0.5-	1.7+	921225	801	0.2-	0.3-
890202	801	0.2+	0.3-	921129	801	0.5-	1.4+				

1989 BC = 1985 HU1 = 1992 XJ

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Nakano

M	257.10344		(2000.0)			P		Q			
n	0.21542185	Peri.	99.25740			-0.91945146		+0.32327122			
a	2.7559810	Node	99.85461			-0.38554063		-0.85303312			
e	0.1342645	Incl.	13.13187			+0.07724915		-0.40967085			
P	4.58	H	11.8			G	0.15				

Residuals in seconds of arc

850424	054	0.3+	0.7+	890130	399	2.2-	0.8-	890308	399	0.4-	0.5-
890129	399	2.0+	1.8-	890207	399	1.3+	1.1+	890308	399	0.6-	0.2+
890129	399	0.7+	0.6+	890207	399	0.1+	2.0+	890308	399	0.7-	0.2-
890129	399	0.0	0.4-	890207	399	0.1+	0.6+	921215	399	0.0	0.2-
890129	399	1.7+	2.0-	890226	399	1.0+	0.0	921215	399	0.7-	1.0+
890130	399	1.5-	0.1-	890226	399	0.2+	0.3-	921217	399	0.2+	0.1+
890130	399	2.5-	1.0+	890226	399	1.0+	0.1-	921217	399	0.1+	0.1+

1989 CF

Id. T. Seki (1992 obs.)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Nakano

M	312.57542		(2000.0)			P		Q			
n	0.23187483	Peri.	42.37102			-0.97213054		-0.14113149			
a	2.6240190	Node	128.54242			+0.09193117		-0.96402987			
e	0.1058203	Incl.	13.84771			+0.21566379		-0.22522947			
P	4.25	H	12.7			G	0.15				

Residuals in seconds of arc

890202	372	(5.2-	2.8+)	890207	400	2.0+	1.9+	890214	372	2.8-	0.2-
890203	372	0.3+	1.1-	890207	400	0.2-	1.3+	890214	372	1.1-	0.5+
890204	372	2.0-	2.2-	890211	372	(0.6-	3.2-)	890308	372	0.2+	0.1+
890204	372	1.0-	1.9+	890211	372	1.4-	1.4-	921221	372	0.9-	0.7+
890206	372	(3.2-	0.2+)	890212	400	2.3+	0.4-	921223	372	0.9+	0.7-
890206	372	2.0-	1.1+	890212	400	2.3+	1.3-				
890207	400	1.9+	0.6+	890212	400	1.3+	0.6-				

1989 CE8 = 1992 WL5

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Nakano

M	14.04794		(2000.0)			P		Q			
n	0.21860583	Peri.	177.57967			+0.30850384		-0.93790368			
a	2.7291551	Node	254.41779			+0.86994051		+0.34564128			
e	0.0914828	Incl.	9.47854			+0.38474523		-0.02947527			
P	4.51	H	12.5			G	0.15				

Residuals in seconds of arc

890208 809	0.0	0.0	890212 809	0.4-	0.5-	890227 809	0.2+	0.6+
890208 809	0.2+	0.1-	890212 809	0.0	0.5-	890227 809	0.4+	0.4+
890208 809	0.5+	0.3+	890212 809	0.0	0.5-	890228 809	0.8+	0.4-
890209 809	0.0	0.2+	890213 809	1.0-	0.5-	890228 809	0.6+	0.2-
890209 809	0.0	0.4+	890213 809	0.9-	0.6-	890228 809	0.8+	0.5-
890209 809	0.2+	0.4+	890213 809	0.8-	0.6-	890302 809	0.2-	0.3+
890210 809	0.4+	0.1+	890214 809	0.5-	0.1-	890302 809	0.2-	0.6+
890210 809	0.1+	0.0	890214 809	0.9-	0.3-	890302 809	0.1-	0.2+
890210 809	0.3+	0.1-	890226 809	0.1-	0.1-	921125 877	0.5+	1.0+
890211 809	0.2+	0.0	890226 809	0.2-	0.2+	921125 877	0.7-	1.7-
890211 809	0.3+	0.0	890226 809	0.2-	0.1+	921204 877	0.5-	0.5+
890211 809	0.5+	0.1+	890227 809	0.1+	0.8+	921204 877	0.7+	0.4+

1989 ML = 1992 WA

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 161.14451	(2000.0)			P		Bowell	Q
n 0.68679940	Peri.	183.21297		+0.30349529		+0.94996224	
a 1.2722802	Node	104.46421		-0.87249666		+0.30824267	
e 0.1364862	Incl.	4.37747		-0.38293628		+0.05057855	
P 1.44	H 19.6		G 0.15				

Residuals in seconds of arc

890606 675	0.1-	0.4+	921119 691	0.4+	0.2-	921124 691	0.1+	0.1+
890606 675	0.0	0.4-	921120 691	0.0	0.2+	921129 691	0.1-	0.2+
890629 675	0.7-	1.9+	921120 691	0.1+	0.4+	921129 691	0.2-	0.3-
890629 675	0.6+	2.0-	921120 691	0.2+	0.4+	921202 691	0.6-	0.2+
890630 675	0.6-	0.2-	921120 691	0.1+	0.0	921202 691	0.6-	0.1+
890630 675	0.8+	0.1+	921120 691	0.1+	0.3+	921202 691	0.6-	0.3+
890703 675	(7.1-	9.0-)	921121 691	0.2-	0.5+	921216 691	0.4+	0.1+
890703 675	(5.9-	11.0-)	921121 691	0.3-	0.1+	921216 691	0.3+	1.1-
921119 691	0.0	0.2-	921124 691	0.3+	0.2-	921216 691	0.1+	0.5-
921119 691	0.4+	0.4-	921124 691	0.1-	0.1+	921216 691	0.6+	0.6-

1989 SR1 = 1992 OH9

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 59.18854	(2000.0)			P		Williams	Q
n 0.29042513	Peri.	213.81116		+0.40789248		+0.90958657	
a 2.2582911	Node	80.37273		-0.81889773		+0.40283077	
e 0.0832782	Incl.	4.60885		-0.40377003		+0.10188057	
P 3.39	H 14.5		G 0.15				

Residuals in seconds of arc

890926 809	0.2+	0.1+	891007 809	0.3-	0.6+	920727 809	0.4-	0.6-
890926 809	0.3-	0.1-	891007 809	1.2-	0.3-	920727 809	0.0	0.3-
890926 809	0.2+	0.2-	891007 809	1.4-	0.5+	920727 809	0.5+	0.4-
890928 809	1.5+	0.7+	891008 809	1.0+	0.3-	920728 809	0.4-	0.5+
890928 809	0.4-	0.2-	891008 809	0.9+	0.3-	920728 809	0.1-	0.4+
890928 809	0.8-	0.5-	891008 809	0.7+	0.1+	920728 809	0.5+	0.5+

1989 VQ1 = 1992 OJ5

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 186.43637	(2000.0)			P		Marsden	Q
n 0.25834455	Peri.	23.87696		-0.98036602		-0.18324105	
a 2.4415738	Node	145.31489		+0.15395070		-0.94208787	
e 0.1015547	Incl.	7.35366		+0.12321383		-0.28087925	
P 3.82	H 14.5		G 0.15				

Residuals in seconds of arc

891103 809	1.8+	0.7-	891106 809	0.3+	0.3+	891202 809	0.9-	0.2-
891103 809	0.4+	0.9+	891106 809	0.3+	0.5+	891202 809	0.2-	0.9-
891103 809	1.7-	0.7-	891106 809	0.9-	0.2+	891202 809	0.6+	1.0-

891203	809	0.1-	0.5+	920726	809	1.0+	0.7+	920730	809	0.5-	0.4-
891203	809	0.1+	0.6+	920726	809	0.5+	0.1+	920730	809	0.6-	0.4+
891203	809	0.4+	0.5+	920726	809	0.4+	0.4+	920730	809	0.7-	1.2-

1989 YM

Id. E. Bowell (1992 observations)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 258.77801

(2000.0)

P

Williams

Q

n	0.23099203	Peri.	171.43334	-0.35152016	-0.91629293
a	2.6307004	Node	298.95282	+0.84540791	-0.22262363
e	0.1207276	Incl.	12.67115	+0.40214306	-0.33293540
P	4.27	H	12.5	G	0.15

Residuals in seconds of arc

891224	372	0.9-	1.1+	900117	400	(1.9+	2.8-)	900125	871	0.1+	0.2+	
891224	372	1.0-	0.7+	900117	374	0.4+	0.9+	900201	372	1.5-	0.4-	
891229	372	0.4+	1.2-	900117	403	(3.6-	1.9-)	Y	900201	372	2.1-	1.1-
891231	372	0.5+	0.4-	900117	403	1.6-	0.3+	Y	900223	033	0.3+	0.3-
891231	372	0.1-	0.3-	900117	374	0.0	0.7-		900223	033	0.1+	0.4+
900103	372	(0.2+	3.8-)	900121	403	0.2-	0.7-		900224	033	0.3-	0.9+
900103	372	(0.3+	2.8-)	900121	403	0.3+	0.7-		920823	675	0.1-	0.1-
900116	400	1.0+	1.6+	900121	374	0.2+	1.6+		920823	675	0.6+	1.0+
900116	400	0.8+	0.4+	900121	374	0.5-	1.8+		920828	675	0.2-	0.4-
900117	372	0.0	1.9-	900123	403	0.0	0.4-		920828	675	0.2-	0.5-
900117	372	0.6+	0.5-	900123	403	(2.7-	1.6-)					
900117	400	1.5+	1.0-	900125	871	2.0+	0.2-					

1990 BX = 1992 OS1

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 290.69749

(2000.0)

P

Marsden

Q

n	0.21604713	Peri.	301.75556	+0.40994946	-0.90722570
a	2.7506609	Node	123.75619	+0.87049900	+0.35829989
e	0.0633280	Incl.	6.50910	+0.27234707	+0.22036949
P	4.56	H	12.5	G	0.15

Residuals in seconds of arc

891231	413	0.4-	1.1-	900214	400	0.1+	0.6-	920726	809	0.6-	0.5-
891231	413	0.3+	0.3-	900214	400	0.3+	1.1+	920730	809	0.2-	0.4-
900121	400	1.3+	0.1+	900223	675	2.0+	1.7-	920730	809	0.0	0.5+
900121	400	0.0	0.7+	900223	675	2.1-	0.1+	920730	809	0.7+	0.7+
900124	400	0.5+	0.1-	920726	809	0.4+	0.7-				
900124	400	2.0-	1.2+	920726	809	0.2-	0.1+				

1990 DM3 = 1977 LM

Id. H. Kaneda (MPC 17444), R. Nagata (ibid.)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 199.26726

(2000.0)

P

Williams

Q

n	0.29385246	Peri.	288.02386	+0.27679420	+0.96092524
a	2.2406971	Node	358.03875	-0.84821172	+0.24297134
e	0.1555124	Incl.	4.63937	-0.45157707	+0.13261832
P	3.35	H	14.5	G	0.15

Residuals in seconds of arc

540728	675	0.2+	0.4-	900225	809	0.3-	0.7-	900317	809	1.2-	0.7+
540728	675	0.3+	0.6-	900225	809	0.1+	0.7-	900317	809	1.1-	0.7+
770608	808	1.0+	0.7-	900226	809	0.9-	1.9-	910812	801	0.2+	0.3-
770608	808	0.2+	0.8+	900226	809	0.5-	1.6-	910812	801	0.1+	0.3-
770611	808	1.0-	1.3-	900226	809	0.0	1.5-	910902	413	0.4+	0.2+
770611	808	0.7-	0.3-	900316	809	0.7+	0.2+	910902	413	1.2+	1.1-
900224	809	0.1+	0.7-	900316	809	0.7+	0.1+	910903	413	0.4-	0.5-
900224	809	0.3+	0.7-	900316	809	1.0+	0.2+	910909	801	0.3+	0.3+
900225	809	0.6-	0.8-	900317	809	1.4-	0.8+	910909	801	0.1+	0.1+

910910 675 1.0+ 0.5-	910913 801 0.1- 0.2+	910915 691 0.4- 0.2-
910910 675 1.0- 1.6-	910915 691 0.5- 0.1+	910917 675 0.2+ 1.1-
910913 801 0.0 0.1+	910915 691 0.1+ 0.0	910917 675 1.4+ 0.2-

1990 HK = 1982 JZ4

Id. T. Seki (1992 obs.), E. Bowell, S. Nakano

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 280.81820	(2000.0)	P	Q
n 0.23976816	Peri. 324.52973	-0.94923070	-0.30693381
a 2.5661086	Node 197.97764	+0.31454264	-0.92945707
e 0.1118668	Incl. 12.90661	-0.00489933	-0.20469782
P 4.11	H 12.3	G 0.15	

Nakano

Residuals in seconds of arc

820515 095 (6.4- 11.8+)	900424 372 1.4+ 0.2+	900525 372 1.2+ 1.4+
820523 095 0.0 0.7-	900429 372 2.2- 2.9-	900528 372 3.1- 2.6+
900327 675 0.5+ 0.9-	900430 372 0.8+ 1.8-	921025 372 1.3- 0.7-
900417 095 0.6+ 1.8+	900516 095 1.4- 0.4-	921025 372 1.8+ 1.8+
900417 095 1.7- 2.3-	900518 095 (1.0- 3.7-)	921221 372 1.1- 0.2-
900418 372 2.9+ 1.9+	900518 095 (2.1+ 5.4-)	921223 372 0.6+ 0.3-
900418 372 0.3+ 1.6+	900524 372 0.5+ 0.3+	

1990 MV = 1942 JF = 1980 WA2 = 1980 XG2

Id. R. Nagata (MPC 17211, unpublished)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 254.69551	(2000.0)	P	Q
n 0.26764996	Peri. 177.67039	+0.00618978	+0.98051509
a 2.3846497	Node 92.63888	-0.92061328	+0.08224930
e 0.2318081	Incl. 11.33556	-0.39042654	-0.17839623
P 3.68	H 12.0	G 0.15	

Williams

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

420514 078(33.4+ 9.5+)X	900627 675 1.5- 0.1-	900723 675 0.5- 1.6+
420613 078(0.01+ 0.05+)X	900629 675 0.5+ 0.6-	900723 675 1.2+ 0.3+
801130 095 2.1- 2.5+	900629 675 0.2+ 0.3-	911207 675 0.9+ 1.4-
801210 095 1.3+ 0.0	900720 675 0.2+ 0.5+	911207 675 0.1+ 1.3-
900627 675 0.2- 0.1-	900720 675 0.1+ 1.5-	

1990 OJ4 = 1984 MO = 1993 AC

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 134.66531	(2000.0)	P	Q
n 0.17734709	Peri. 58.38527	+0.84652736	+0.43525730
a 3.1375212	Node 274.19160	-0.52942114	+0.74860110
e 0.0457210	Incl. 17.89794	+0.05571963	+0.50014745
P 5.56	H 11.0	G 0.15	

Urata

Residuals in seconds of arc

840627 323 0.0 0.1+	900728 675 0.3+ 0.6-	921230 385 1.1- 0.2-
840628 323 (5.6- 62.9+)	900728 675 0.5+ 0.3+	921230 385 1.5+ 0.3+
900724 675 0.3- 0.3+	900730 675 0.3- 0.2-	930102 385 0.2+ 0.5+
900724 675 0.3- 0.4+	921226 385 0.1+ 0.3+	930102 385 0.5- 0.7-

1990 OE5 = 1989 EZ4

Id. R. Nagata (MPC 17211)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 215.63811	(2000.0)	P	Q
n 0.21327156	Peri. 22.22070	-0.04472354	+0.99250430
a 2.7744746	Node 245.37089	-0.93435635	-0.08184509
e 0.1819339	Incl. 7.18738	-0.35352229	+0.09075573
P 4.62	H 13.5	G 0.15	

Williams

Residuals in seconds of arc

890302 413	1.1-	0.0	900725 675	1.3-	0.3-	900729 675	0.0	0.6-
890302 413	1.9-	0.4+	900725 675	0.9-	0.6-	911112 691	0.3-	0.0
890307 413	1.0+	0.2-	900727 675	0.4-	0.2+	911112 691	0.1-	0.1-
890307 413	1.9+	0.3-	900727 675	1.7+	0.5+	911112 691	0.4+	0.1+
900724 675	1.8+	0.5+	900729 675	0.9-	0.3+			

1990 VD3 = 1992 HU4

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 123.42149		(2000.0)		P	Williams	Q
n 0.26956972	Peri.	226.46862	-0.80815208		-0.58630797	
a 2.3733146	Node	277.55885	+0.55535003		-0.72691458	
e 0.0615425	Incl.	3.23696	+0.19615443		-0.35754462	
P 3.66	H 14.0		G 0.15			

Residuals in seconds of arc

901111 372	0.3-	1.3+	901117 372	2.0+	0.9+	920423 809	0.7+	0.0
901113 675	0.8-	0.3+	901124 402	0.2-	0.2-	920424 809	0.5-	0.2+
901113 675	1.3-	0.3-	901124 402	0.9-	0.2+	920424 809	0.3-	0.9+
901113 372	0.7+	1.8-	920423 809	0.1-	0.7-			
901117 372	0.8+	0.5-	920423 809	0.3+	0.4-			

1991 BG2 = 1978 VQ15 = 1989 UC10 = 1989 UD10 = 1992 JZ2

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 133.78385		(2000.0)		P	Williams	Q
n 0.17513942	Peri.	57.99605	-0.51969726		-0.85321308	
a 3.1638323	Node	63.37773	+0.76628349		-0.48831593	
e 0.1925566	Incl.	2.82565	+0.37778879		-0.18323481	
P 5.63	H 12.0		G 0.15			

Residuals in seconds of arc

781101 095	0.3+	0.9-	910203 400	2.2+	2.6-	920504 809	0.8+	0.6-
891023 881	(4.5+	0.2-)Y	910204 400	1.7-	0.3-	920507 809	0.0	0.3+
891023 881	0.7-	0.1- Y	910204 400	2.1-	0.1-	920507 809	0.1-	0.6+
891030 095	0.0	1.0+	910220 400	1.3-	1.4-	920507 809	0.0	0.8+
891030 095	0.9+	1.2-	910220 400	0.2+	1.6+	920510 809	0.9-	0.2-
910123 400	3.0+	1.0+	920504 809	0.2+	0.7-	920510 809	0.7-	0.7-
910123 400	0.1-	1.6+	920504 809	0.5+	0.6-			

1991 CN = 1992 OW8

Id. H. Debehogne

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 183.80542		(2000.0)		P	Williams	Q
n 0.28746309	Peri.	162.78647	-0.96226278		-0.27211642	
a 2.2737776	Node	1.42671	+0.24077142		-0.85434889	
e 0.0728208	Incl.	3.98535	+0.12680482		-0.44276476	
P 3.43	H 13.5		G 0.15			

Residuals in seconds of arc

910117 033	0.7+	0.1+	910212 875	0.1+	0.1-	910315 809	0.6-	0.9+
910117 033	0.1+	0.0	910212 875	1.2+	0.2+	910315 809	0.5-	0.9+
910118 033	0.3+	0.9-	910217 875	0.2-	0.2+	910315 809	0.2-	1.2+
910205 875	0.9-	1.2+	910217 875	1.9-	1.4+	920724 809	0.7-	0.4-
910205 875	0.6-	0.0	910220 875	0.5+	1.2+	920724 809	0.4-	0.3-
910207 875	0.7-	0.1-	910220 875	0.2-	0.0	920724 809	0.2-	0.0
910207 875	0.1+	0.4-	910312 875	0.8-	0.8+	920726 809	0.3+	0.2+
910208 220	1.2-	0.9-	910313 809	0.3+	1.4-	920726 809	0.5+	0.0
910209 220	1.9+	1.0-	910313 809	1.2+	1.7-	920726 809	0.6+	0.2+
910209 220	0.8-	0.1-	910313 809	2.2+	2.0-			

910507	675	2.8-	1.0+	921119	675	2.2+	0.5-	921124	675	0.8-	0.7-
910510	675	1.5-	0.4-	921119	675	0.7-	0.3+				
910510	675	1.3-	2.8+	921124	675	0.1+	0.0				

1991 HA = 1983 CB4 = 1992 SN18

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Marsden

M	143.12445		(2000.0)			P		Q			
n	0.25885024	Peri.	28.39127			-0.70643714		+0.70772596			
a	2.4383928	Node	196.66770			-0.65478412		-0.65800460			
e	0.0669882	Incl.	1.67792			-0.26870862		-0.25720404			
P	3.81	H	14.0			G	0.15				

Residuals in seconds of arc

830214	381	0.0	0.0	910325	809	0.1-	0.2-	910418	776	2.0+	1.1+ Y
910322	809	0.2+	0.5-	910408	809	0.2+	0.5-	910519	776	(3.8+	0.7-)Y
910322	809	0.1+	0.5-	910408	809	0.4-	0.1-	910520	776	(0.3-	2.0+)Y
910322	809	0.4+	0.3-	910408	809	1.3-	1.5-	910521	776	1.3-	0.2- Y
910323	809	1.5-	0.9+	910410	809	0.8+	0.2-	920922	809	0.1+	0.8-
910323	809	1.2-	0.6+	910410	809	0.5-	0.4-	920922	809	0.4-	1.2-
910323	809	1.0-	0.4+	910410	809	1.6-	0.2+	920922	809	1.0-	0.6-
910324	809	0.2+	0.3+	910417	776	(2.5+	0.2-)Y	920923	809	0.6+	1.3+
910324	809	0.4+	0.6+	910417	776	1.4+	0.9- Y	920923	809	0.1+	0.8+
910324	809	0.9+	0.6+	910417	776	1.5+	0.7- Y	920923	809	0.5+	0.6+
910325	809	0.6-	0.0	910418	776	1.0+	1.0+ Y				
910325	809	0.6-	0.0	910418	776	0.8+	0.3+ Y				

1991 LF1 = 1991 KW2 = 1992 YD1

Id. S. Nakano (d, MPC 20606), B. G. Marsden

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Marsden

M	82.38886		(2000.0)			P		Q			
n	0.28793287	Peri.	268.11100			+0.99491245		+0.06246234			
a	2.2713038	Node	88.30191			-0.02587974		+0.91672425			
e	0.1737522	Incl.	4.53551			-0.09736249		+0.39460753			
P	3.42	H	15.0			G	0.15				

Residuals in seconds of arc

910518	809	1.0+	0.2-	910606	809	0.7+	1.1+	921219	010	0.2+	0.2+
910518	809	0.6-	0.1-	910608	809	1.6-	1.0-	921219	010	0.2+	1.1-
910518	809	0.7-	0.2+	910608	809	0.6-	0.0	921219	010	0.2+	0.7+
910606	809	1.9+	0.1+	910608	809	0.9-	0.1+	921219	010	0.7-	0.3+
910606	809	0.7+	0.2-	921218	010	1.1+	0.2-	921220	010	1.0-	0.0

1991 LE2 = 1992 WM1

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Nakano

M	60.17620		(2000.0)			P		Q			
n	0.25668352	Peri.	269.25585			+0.99179030		+0.00433625			
a	2.4520956	Node	90.48960			+0.04669361		+0.91813244			
e	0.1628946	Incl.	7.34283			-0.11904497		+0.39624996			
P	3.84	H	13.7			G	0.15				

Residuals in seconds of arc

910518	809	1.1+	0.0	910606	809	0.9+	0.1-	921121	399	0.1+	1.8+
910518	809	0.0	1.0+	910608	809	0.1+	1.0+	921121	399	1.4-	2.4+
910518	809	0.3+	0.4-	910608	809	1.6-	0.9+	921127	399	1.1+	1.8+
910606	809	0.1-	1.2-	910608	809	0.2+	0.4+	921127	399	(0.6+	4.0+)Y
910606	809	1.0-	1.6-	921117	400	2.0-	1.0-	921219	400	0.3+	1.2-
910606	809	(3.7-	1.0-)	921117	400	1.3+	2.3-	921219	400	0.5+	0.5-
910606	809	0.2+	0.1-	921118	400	0.5-	1.1-				
910606	809	0.2-	0.4-	921118	400	0.8+	0.3-				

1991 NB4 = 1933 WG = 1992 YU

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	27.25823		(2000.0)			P		Q		Ichikawa
n	0.28523918	Peri.	156.62661	+0.37271120						-0.92567285
a	2.2855809	Node	271.43875	+0.84079687						+0.36648519
e	0.0884511	Incl.	3.72411	+0.39261557						+0.09390620
P	3.46	H	13.6	G	0.15					

Residuals in seconds of arc

331120	024	0.6+	1.2-	910711	809	0.5+	0.7+	921219	010	0.9-	0.6+
910708	809	1.4-	0.5+	910711	809	0.3+	0.8+	921220	010	1.3-	0.7+
910708	809	1.1-	0.6+	921218	901	(3.3-	1.0+)Y	921225	901	2.2+	0.4+ Y
910708	809	1.0-	0.8+	921218	901	0.4+	3.1+ Y	921225	901	(5.0+	1.3-)Y
910710	809	0.5+	0.4-	921218	010	1.2+	0.5+	921229	901	1.1+	0.6-
910710	809	0.5+	0.5-	921219	010	0.2-	0.2+	921229	901	0.7-	1.7-
910710	809	0.4+	0.5-	921219	010	1.1-	0.4-				
910711	809	0.6+	0.5+	921219	010	0.4-	0.5+				

1991 PK3 = 1992 YX1

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	101.29407		(2000.0)			P		Q		Marsden
n	0.24370171	Peri.	288.05797	+0.96948972						+0.24257315
a	2.5384211	Node	57.91706	-0.20617621						+0.88485980
e	0.1086848	Incl.	2.38957	-0.13259355						+0.39772024
P	4.04	H	14.5	G	0.15					

Residuals in seconds of arc

910802	809	1.5+	0.7-	910904	809	1.7+	0.9-	910907	809	0.1+	0.6+
910802	809	0.1+	0.1+	910904	809	0.6+	1.2-	910907	809	0.9-	1.1+
910802	809	0.3-	0.9-	910904	809	0.6-	1.4-	910907	809	1.0-	0.4+
910807	809	0.2+	1.0+	910905	809	0.6+	0.2+	921218	010	1.8-	0.8+
910807	809	0.6-	0.3+	910905	809	0.5-	1.2-	921219	010	1.8+	0.1+
910807	809	0.5-	0.2+	910905	809	0.3-	1.0+	921219	010	1.2+	1.0-
910814	809	0.0	0.6+	910906	809	(7.7+	0.5+)	921219	010	0.3+	0.1+
910814	809	0.7-	0.1+	910906	809	(5.4+	0.6+)	921219	010	0.6-	0.3+
910814	809	1.0-	1.3+	910906	809	1.5+	0.6-	921220	010	1.0-	0.0

1991 PL17 = 1989 AR6

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	105.19721		(2000.0)			P		Q		Williams
n	0.26123717	Peri.	68.00278	+0.95799099						-0.26317346
a	2.4235170	Node	307.07369	+0.18069215						+0.86249098
e	0.2392063	Incl.	8.21369	+0.22271867						+0.43226038
P	3.77	H	14.5	G	0.15					

Residuals in seconds of arc

890111	033	0.2-	0.2-	910806	033	1.0-	0.5+	910809	675	0.5+	1.0-
890111	033	0.1-	0.4-	910807	033	0.4+	0.4-	910912	675	1.1+	0.5-
890114	033	0.3+	0.6+	910807	033	0.1+	0.8+	910912	675	1.1-	0.6+

1991 RQ14 = 1986 WE1

Id. K. Ichikawa (MPC 20931), S. Nakano (ibid.)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	93.11622		(2000.0)			P		Q		Marsden
n	0.17530264	Peri.	285.94382	+0.96435343						+0.26300523
a	3.1618681	Node	58.81584	-0.22787190						+0.88141459
e	0.1819940	Incl.	1.95377	-0.13452457						+0.39234750
P	5.62	H	13.5	G	0.15					

Residuals in seconds of arc

861125	046	(3.7+	0.4+)	861126	046	0.4+	0.1-	910911	675	0.8+	1.2+
861125	046	0.9+	0.9+	861128	046	(4.9-	1.2-)	910911	675	1.2-	0.1-
861126	046	1.3-	0.8-	861128	046	(3.9-	1.4+)	910914	675	0.2+	0.8-

910914 675 0.1- 0.5+	910916 675 0.1- 0.6-	921219 010 0.9+ 0.3-
910915 675 0.3+ 0.2+	921218 010 (2.8+ 1.2-)	921219 010 1.2- 0.6+
910915 675 0.7+ 0.3+	921219 010 1.1+ 0.6+	921220 010 1.4- 0.5-
910916 675 0.6- 0.6-	921219 010 0.6+ 0.5-	

1991 RP25 = 1988 FO3 = 1990 JP

Id. S. Nakano (MPC 20931)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 38.50258	(2000.0)	P	Williams	Q
n 0.18152886	Peri. 37.81280	+0.22784777	-0.96457389	
a 3.0891496	Node 39.52308	+0.83462599	+0.12313832	
e 0.1610338	Incl. 12.06105	+0.50148265	+0.23331130	
P 5.43	H 12.5	G 0.15		

Residuals in seconds of arc

880317 399 1.4- 0.8+	900504 413 1.0- 0.1-	910916 675 0.4- 0.5-
880317 399 2.3- 0.4+	910912 675 1.0+ 0.7-	910916 675 0.6+ 0.5-
880317 399 0.8- 0.6-	910912 675 0.4- 0.5-	921221 801 0.3- 0.0
880321 399 0.6+ 0.5+	910913 675 0.2- 0.4+	921227 801 0.1+ 0.6+
880321 399 0.7+ 1.2-	910913 675 0.2+ 0.5+	921227 801 0.5+ 0.2+
880321 399 2.0+ 1.9-	910915 675 0.3- 0.7-	
900503 413 1.1+ 0.2+	910915 675 0.6+ 0.4+	

1991 RA30 = 1954 KB = 1979 EG = 1983 HE1 = 1988 VV4

Id. K. Ichikawa (MPC 20931), S. Nakano

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 238.98003	(2000.0)	P	Nakano	Q
n 0.27081217	Peri. 119.98066	-0.65621039	+0.74436981	
a 2.3660501	Node 108.47286	-0.72944554	-0.58381627	
e 0.0269770	Incl. 7.49382	-0.19312463	-0.32414834	
P 3.64	H 13.0	G 0.15		

Residuals in seconds of arc

540530 760 1.1+ 0.8+	881113 675 0.6+ 2.2+	910916 675 0.1+ 1.3-
540530 760 2.0- 0.8-	910914 675 0.2+ 0.9-	910916 675 0.5+ 0.6-
790304 010 0.6+ 0.4-	910914 675 0.4- 0.3-	921222 894 0.6- 0.8-
790304 010 0.4+ 0.4-	910915 675 0.1+ 0.4-	921222 894 0.6+ 1.3-
830419 688 0.9+ 2.4-	910915 675 0.2+ 0.2-	921226 894 2.3- 2.0-
830419 688 0.8- 0.6-	910915 675 0.1- 0.8-	921226 894 1.3- 1.4-
881112 675 2.1+ 0.6+	910915 675 0.3- 0.7-	

1991 SV = 1992 YV

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 70.45954	(2000.0)	P	Nakano	Q
n 0.20929476	Peri. 311.53848	+0.90890586	-0.38127998	
a 2.8095093	Node 71.49882	+0.41553969	+0.79425743	
e 0.0881387	Incl. 10.25731	+0.03488418	+0.47305466	
P 4.71	H 12.7	G 0.15		

Residuals in seconds of arc

910818 413 0.8- 1.1-	911001 413 0.4- 0.1-	921220 896 0.6- 0.2+ Y
910818 413 0.7+ 1.2+	911012 413 0.0 0.4+	921222 896 1.8+ 0.5+
910930 413 0.4+ 0.4-	921220 896 0.2- 1.1- Y	921222 896 1.1- 0.5+

1991 WB

Id. R. H. McNaught (1977 observations)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 112.68234	(2000.0)	P	Williams	Q
n 0.21593366	Peri. 314.66354	+0.69640460	-0.42802536	
a 2.7516244	Node 79.33301	+0.70176603	+0.57409966	
e 0.3285702	Incl. 35.88519	-0.15015018	+0.69799991	
P 4.56	H 12.5	G 0.15		

Residuals in seconds of arc

771010	413	0.0	0.3-	911207	675	(0.0	2.6-)	911229	364	0.7+	0.2-
771010	413	0.8+	0.4+	911207	675	1.0-	0.8-	911229	364	0.2+	1.0+
771203	413	0.9-	0.7+	911207	385	0.4-	0.7- Y	911230	364	0.3+	1.0-
771203	413	0.4-	0.3-	911207	385	2.4+	0.8+ Y	911230	364	0.7-	1.3+
911130	364	0.9-	0.0	911208	675	1.1+	0.6-	920107	364	0.5+	1.0-
911130	364	0.4-	0.9-	911208	675	0.4+	0.5-	920107	364	0.9-	0.1-
911202	364	1.2-	0.2+	911208	675	0.9-	0.1-	920112	364	1.1-	0.0
911202	364	0.5+	1.3+	911209	364	1.3+	0.6-	920112	364	1.4-	0.9+
911203	364	0.2+	0.7+	911209	364	1.3+	0.2-	920304	801	0.1-	0.3-
911203	364	0.9-	1.0+	911212	385	2.0+	1.5-	920304	801	0.5-	0.9-
911205	885	(0.1-	2.8+)	911229	385	0.4+	0.8+				
911205	885	(0.0	3.2+)	911229	385	1.5-	0.4+				

1992 BW3

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	169.73295		(2000.0)		P		Q
n	0.28662696	Peri.	295.19692	+0.97638954		+0.19617030	
a	2.2781974	Node	53.61675	-0.13443719		+0.87955881	
e	0.1919576	Incl.	6.45064	-0.16908608		+0.43346686	
P	3.44	H	15.5	G	0.15		

From 10 observations 1991 Nov. 11-1992 Jan. 31, mean residual 0".49.

1992 EU = 1987 DR

Id. R. H. McNaught (1974, 1975 and 1979 observations), C. M. Bardwell

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	113.69042		(2000.0)		P		Q
n	0.21034158	Peri.	81.57054	+0.12637641		-0.99191785	
a	2.8001801	Node	1.33642	+0.60573142		+0.06813289	
e	0.3799472	Incl.	29.01503	+0.78556887		+0.10703681	
P	4.69	H	12.5	G	0.15		

Residuals in seconds of arc

740618	413	0.5+	0.5+	870227	675	0.2+	0.0	920324	399	2.5-	0.8-
750610	413	1.8+	0.2-	870227	675	0.1+	0.9+	920324	399	0.4+	0.9+
750709	413	0.4-	0.7-	920307	399	1.6-	0.8-	920326	399	0.8-	0.3-
750709	413	1.2-	0.3+	920307	399	0.3-	0.3+	920326	399	0.2-	0.5-
790327	413	0.3+	0.8+	920308	399	2.1+	0.5-	920429	801	1.0+	0.5+
790327	413	(1.4+	3.6+)	920308	399	0.3+	0.6-	920429	801	0.9+	1.2+

1992 FK1

Id. R. H. McNaught (1975 observations)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	95.16931		(2000.0)		P		Q
n	0.28593786	Peri.	238.13159	-0.82308502		-0.42541692	
a	2.2818562	Node	274.20203	+0.55766673		-0.73073291	
e	0.2475389	Incl.	22.16328	-0.10741913		-0.53390060	
P	3.45	H	14.5	G	0.15		

Residuals in seconds of arc

750607	413	0.3-	0.0	920326	413	0.3-	0.8-	920524	413	0.2+	0.1+
750607	413	0.3+	0.3-	920328	413	0.2-	0.3+	920524	413	0.2+	0.1+
920326	413	0.5+	0.1-	920430	413	0.3-	0.7+				

1992 FM1 = 1985 FB

Id. R. H. McNaught (1979 and 1986 observations), G. V. Williams

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5 Williams
 M 99.58048 (2000.0) P Q
 n 0.28953496 Peri. 201.19743 -0.98516260 +0.13494551
 a 2.2629174 Node 345.30740 -0.01441488 -0.68073884
 e 0.1150331 Incl. 24.71357 -0.17101717 -0.71998913
 P 3.40 H 14.0 G 0.15

Residuals in seconds of arc

790819	413	1.9-	0.1-	920330	413	1.9+	0.9+	920524	413	1.2-	0.1-
790819	413	0.9+	0.1+	920330	413	0.2-	1.1-	920524	413	1.2-	0.2-
850326	675	(2.1-	7.4-)	920331	413	0.0	0.3-	920619	413	0.6+	0.5+
850326	675	0.9+	0.1-	920331	413	0.7+	0.7-	920619	413	0.7+	0.5+
861021	413	1.9+	0.2-	920406	413	1.3-	0.2+	920821	413	1.1+	0.0
861021	413	0.0	0.6-	920412	413	1.5-	0.3-	920821	413	1.0+	0.1+
920329	413	0.3-	0.5-	920503	413	0.9-	0.4+	920822	413	0.9+	0.2+
920329	413	1.2+	0.5+	920508	413	0.9-	0.2+				

1992 FW1

Id. R. H. McNaught (1983 and 1989 observations)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5 Williams
 M 127.82145 (2000.0) P Q
 n 0.27655588 Peri. 267.74651 -0.15046913 -0.98547192
 a 2.3331757 Node 191.82076 +0.98856582 -0.14919103
 e 0.2679160 Incl. 22.61307 +0.00983165 -0.08116108
 P 3.56 H 15.0 G 0.15

Residuals in seconds of arc

831026	413	0.8+	1.6-	920311	413	1.6+	1.6-	920410	413	0.4-	0.8-
831026	413	0.9-	0.4+	920327	413	0.6-	2.2+	920430	413	1.4-	1.4-
890415	413	0.5+	0.7+	920327	413	0.0	1.1-	920619	413	0.5+	0.0
890415	413	(2.1+	4.4-)	920328	413	0.4-	0.2+	920619	413	0.1+	0.3+
920311	413	1.0+	2.0+	920406	413	1.0-	1.1-				

1992 GZ4 = 1989 UQ6 = 1991 BR2

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5 Williams
 M 240.16727 (2000.0) P Q
 n 0.17643345 Peri. 310.06739 +0.91481296 -0.40184038
 a 3.1483434 Node 73.66035 +0.38221560 +0.82896661
 e 0.0291512 Incl. 2.41982 +0.13049320 +0.38902270
 P 5.59 H 13.0 G 0.15

Residuals in seconds of arc

891026	033	0.1-	1.4-	920404	809	0.9+	2.5-	920501	809	1.5+	0.3+
891026	033	1.0+	0.1+	920406	809	0.8-	1.1-	920501	809	1.5+	0.2+
891028	033	0.5-	0.6-	920406	809	0.8-	0.7-	920502	809	(3.7-	1.5+)
910117	033	0.8+	0.1+	920406	809	1.3-	0.5+	920502	809	(3.9-	1.7+)
910117	033	0.5-	0.7+	920425	809	1.8-	1.3+	920502	809	(3.5-	1.5+)
910118	033	0.0	0.3+	920425	809	1.5-	1.4+	920503	809	(4.9+	0.0)
920404	809	1.1+	1.7-	920425	809	1.5-	1.7+	920503	809	(5.0+	0.2-)
920404	809	0.6+	1.6-	920501	809	1.5+	0.2+	920503	809	(4.9+	0.4-)

1992 HE

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5 Williams
 M 60.47325 (2000.0) P Q
 n 0.29382058 Peri. 262.59543 +0.24720951 +0.92805366
 a 2.2408592 Node 27.32020 -0.45725809 +0.36520666
 e 0.5717810 Incl. 37.37042 -0.85428478 +0.07307866
 P 3.35 H 14.0 G 0.15

From 93 observations 1992 Apr. 25-Dec. 27, mean residual 0".69.

1992 HR4 = 1985 GZ

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	46.23616		(2000.0)		P		Williams	Q
n	0.28564486	Peri.	130.67148	-0.11427283			+0.99103305	
a	2.2834164	Node	132.62396	-0.93750910			-0.08451581	
e	0.1532496	Incl.	5.40010	-0.32866155			-0.10349191	
P	3.45	H	14.5	G	0.15			

Residuals in seconds of arc

850415	688	1.4-	0.8+	920504	033	0.1+	0.1-	920525	033	0.0	0.3-
850415	688	0.8+	1.5-	920505	033	1.0+	0.7-	920526	033	0.0	0.0
850424	688	0.9-	2.0+	920506	033	0.3+	0.3-	920527	033	0.4+	0.0
850424	688	1.6+	0.8-	920523	033	0.1+	0.0	920528	033	0.2-	0.0
920430	033	0.1+	0.1-	920524	033	0.3-	0.8+				
920501	033	1.4-	0.0	920524	033	0.1-	0.3+				

1992 JB

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	157.73204		(2000.0)		P		Williams	Q
n	0.50740679	Peri.	306.73446	-0.94764555			-0.26878664	
a	1.5567966	Node	218.53721	+0.29901142			-0.93640902	
e	0.3599750	Incl.	16.06424	-0.11207179			-0.22559231	
P	1.94	H	18.0	G	0.15			

From 48 observations 1992 Jan. 9-Aug. 21, mean residual 0".77.

1992 NA

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	32.17778		(2000.0)		P		Williams	Q
n	0.26674305	Peri.	7.86505	+0.99868443			+0.04116934	
a	2.3900518	Node	349.62696	-0.05118198			+0.83672660	
e	0.5612251	Incl.	9.77484	+0.00313171			+0.54607113	
P	3.69	H	16.5	G	0.15			

From 92 observations 1992 July 1-Dec. 28, mean residual 0".79.

1992 NR = 1988 RJ14 = 1991 CZ3

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

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	92.70720		(2000.0)		P		Williams	Q
n	0.22991831	Peri.	98.71762	-0.44665127			+0.88326798	
a	2.6388843	Node	143.64574	-0.88594735			-0.41437015	
e	0.1472395	Incl.	13.92171	-0.12489973			-0.21939704	
P	4.29	H	13.0	G	0.15			

Residuals in seconds of arc

880915	675	0.3+	1.7-	920630	675	(1.0+	2.7-)	920728	675	1.0+	0.4+
880915	675	0.4-	1.2-	920705	675	0.2+	1.2+	920728	675	1.4+	1.2+
880916	675	0.3+	1.5+	920705	675	0.4+	0.0	920825	801	0.4+	1.0+
910212	372	0.8+	0.2+	920710	372	2.0-	1.5-	920825	801	0.3-	0.1+
910212	372	0.9-	0.7-	920710	372	2.2-	0.0	920901	801	0.2-	0.3-
920629	675	1.0-	2.2-	920711	413	0.8-	0.0	920901	801	0.0	0.3-
920629	675	0.4+	2.5-	920726	675	2.0+	1.9+				
920630	675	(1.9+	3.9-)	920726	675	0.4+	1.2+				

1992 OO1 = 1991 LU

Id. A. Lowe

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	151.73327		(2000.0)		P		Williams	Q
n	0.24107170	Peri.	63.24137	-0.91043054			+0.37709941	
a	2.5568499	Node	138.29862	-0.40731984			-0.88893764	
e	0.0118841	Incl.	14.80902	+0.07215798			-0.25997291	
P	4.09	H	12.5	G	0.15			

Residuals in seconds of arc

910614 675	0.8-	1.4+	920725 010	0.6+	1.5-	920730 809	1.5-	1.3+
910614 675	0.0	0.0	920726 010	0.4-	1.8-	920804 809	0.1-	0.1-
910616 675	0.1+	0.2-	920726 010	0.9-	2.1-	920804 809	0.2+	0.3-
910616 675	0.7+	1.2-	920726 010	1.7-	2.2-	920804 809	0.3+	0.0
920724 809	(1.1+	4.1+)	920726 809	0.9+	1.3+	920805 809	0.4+	0.4-
920724 809	0.9+	2.3+	920726 809	0.5+	1.4+	920805 809	0.6+	0.5-
920724 809	0.0	2.4+	920726 809	0.8+	1.7+	920805 809	0.8+	0.3-
920725 010	0.7+	1.9-	920730 809	0.9-	1.1+			
920725 010	0.0	1.5-	920730 809	1.5-	1.0+			

1992 OY2 = 1989 WN3

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	9.69400		(2000.0)		P		Q
n	0.25532362	Peri.	227.64108	+0.99772231			-0.03617918
a	2.4607947	Node	134.34461	+0.05368624			+0.93689578
e	0.1953347	Incl.	4.56607	-0.04084079			+0.34773175
P	3.86	H	14.5	G	0.15		

Residuals in seconds of arc

891129 033	0.3+	0.1+	920730 809	0.8+	0.9+	920804 809	0.5-	0.0
891129 033	0.1-	0.4-	920730 809	0.3+	0.2+	920804 809	0.2-	0.2-
891202 033	0.3-	0.3+	920730 809	0.2-	0.9+	920804 809	0.0	0.4-
920726 809	0.3-	0.9-	920804 809	0.1-	0.6-	920805 809	0.3-	0.5+
920726 809	0.1+	0.1+	920804 809	0.1+	0.8-	920805 809	0.2-	0.9+
920726 809	0.4-	0.5-	920804 809	0.5+	1.0-	920805 809	0.3+	0.8+

1992 OP7 = 1937 BB = 1951 XE = 1974 CB1 = 1979 BU1 = 1987 QG11

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	317.62343		(2000.0)		P		Q
n	0.18797982	Peri.	80.46171	+0.85875387			-0.49691418
a	3.0180648	Node	309.22339	+0.38359109			+0.78517951
e	0.1180931	Incl.	9.28352	+0.33970527			+0.36955302
P	5.24	H	11.0	G	0.15		

Residuals in seconds of arc

370117 053	(0.8+	5.4-)X	920721 809	0.8+	1.1+	920804 809	0.1-	0.2-
370117 053	(4.4+	1.3-)X	920721 809	0.8+	0.9+	920804 809	0.2-	0.3-
511203 760	0.1-	0.1-	920728 809	1.3+	0.3-	920805 809	0.9-	0.5-
511203 760	0.1-	0.1+	920728 809	1.5+	0.2-	920805 809	0.8-	0.4-
740215 095	1.1-	3.0-	920728 809	1.9+	0.2-	920805 809	0.9-	0.3-
790124 095	0.3-	0.1-	920730 809	1.3-	0.3+	920806 809	0.8+	1.0-
780828 095	0.1-	0.3+	920730 809	0.9-	0.3+	920806 809	0.8+	1.1-
870831 095	2.0+	1.7-	920730 809	0.7-	0.4+	920806 809	0.9+	0.7-
920720 809	0.1+	1.2+	920731 809	0.3-	0.3-	920808 809	1.8-	0.5-
920720 809	0.2+	1.0+	920731 809	0.1-	0.4-	920808 809	1.6-	0.7-
920720 809	0.3+	0.8+	920731 809	0.3+	0.5-	920808 809	1.2-	0.7-
920721 809	0.5+	1.0+	920804 809	0.0	0.1-			

1992 OB9 = 1978 LM = 1989 YG7

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	49.14998		(2000.0)		P		Q
n	0.21461497	Peri.	171.52517	+0.30594082			+0.93356372
a	2.7628844	Node	116.11563	-0.88522628			+0.35111897
e	0.1810206	Incl.	12.00131	-0.35039214			-0.07193224
P	4.59	H	13.0	G	0.15		

Residuals in seconds of arc

780609 095	0.2-	1.2-	920724 809	0.2+	1.0+	920726 809	0.7-	0.8+
891225 033	1.0-	0.7-	920724 809	0.2+	1.3+	920726 809	0.6-	0.8+
891226 033	0.1+	0.4-	920724 809	0.6+	1.4+	920730 809	0.1+	0.3-
891226 033	1.0+	0.4-	920726 809	1.1-	0.7+	920730 809	0.2+	0.3-

920730 809	0.5+	0.4-	920801 809	0.0	0.2-	920804 809	0.7+	0.3-
920731 809	0.8-	0.5-	920801 809	0.2+	0.0	920804 809	0.9+	0.3-
920731 809	0.6-	0.7-	920803 809	0.7-	0.7-	920804 809	1.0+	0.6-
920731 809	0.0	0.7-	920803 809	0.1-	0.6-			
920801 809	0.3-	0.1+	920803 809	0.3+	0.7-			

1992 PJ = 1979 MO

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 111.25908		(2000.0)		P	Williams
n 0.30908385	Peri.	336.26361	-0.39420867		Q
a 2.1664658	Node	270.48789	-0.83491359		+0.91763924
e 0.0804108	Incl.	2.88767	-0.38408179		-0.38050142
P 3.19	H 15.5		G 0.15		-0.11470353

Residuals in seconds of arc

790622 805	0.1+	1.4+	920726 809	1.8+	1.0-	920808 010	0.7-	1.5+
790622 805	1.0+	0.3+	920726 809	1.4+	0.7-	920808 010	1.5-	1.0+
790625 805	1.2-	0.9-	920726 809	1.5+	0.3-	920808 010	1.7-	1.7+
920724 809	1.6-	0.2-	920730 809	2.5+	2.3-	920809 010	0.3-	0.4+
920724 809	1.8-	0.1-	920730 809	1.5+	1.6-	920809 010	0.8-	1.3+
920724 809	(4.4-	1.0-)	920730 809	1.6+	1.7-	920809 010	1.7-	1.4+

1992 PH1 = 1991 AD3

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 91.70742		(2000.0)		P	Marsden
n 0.30811220	Peri.	321.09293	-0.05526799		Q
a 2.1710181	Node	305.66156	-0.89698681		+0.99672776
e 0.1009283	Incl.	4.16328	-0.43858877		-0.07551320
P 3.20	H 15.5		G 0.15		+0.02883613

Residuals in seconds of arc

910115 033	0.7+	0.3+	920726 809	0.1-	0.3-	920808 010	0.0	0.6-
910115 033	0.5-	0.5-	920730 809	0.8+	0.6+	920808 010	0.4-	1.1-
910116 033	0.2-	0.2+	920730 809	0.5-	0.6+	920809 010	0.1-	0.4-
920726 809	0.6+	0.2-	920730 809	0.9-	0.5+	920809 010	0.3-	0.8+
920726 809	0.3-	0.5-	920808 010	1.7+	0.0	920809 010	0.6-	0.6+

1992 PW1 = 1989 VR5

Id. A. Lowe, B. G. Marsden

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 258.52327		(2000.0)		P	Marsden
n 0.28003076	Peri.	297.26032	-0.31880695		Q
a 2.3138341	Node	171.32745	+0.87897914		-0.94781073
e 0.0500019	Incl.	1.56497	+0.35462346		-0.29727466
P 3.52	H 14.0		G 0.15		-0.11525018

Residuals in seconds of arc

891103 675	0.7-	0.1+	920726 809	0.0	0.4+	920808 010	0.0	1.9-
891103 675	0.4+	0.7+	920730 809	(3.8+	1.4+)	920809 010	1.2-	0.6-
891104 675	0.1+	0.7-	920730 809	2.4+	1.1+	920809 010	1.5-	1.2-
891104 675	0.1+	0.1-	920730 809	2.7+	1.6+	920809 010	2.1-	0.6-
920726 809	1.1+	1.5+	920808 010	0.3-	0.0			
920726 809	0.0	0.6+	920808 010	0.9-	0.8-			

1992 PX2 = 1975 MA = 1984 UB4

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 106.29758		(2000.0)		P	Williams
n 0.23448399	Peri.	312.11934	-0.50284832		Q
a 2.6045173	Node	286.78375	-0.72431301		+0.84396286
e 0.1512484	Incl.	11.24732	-0.47171415		-0.52931422
P 4.20	H 13.0		G 0.15		-0.08690885

Residuals in seconds of arc

750617 808	0.4-	1.2-	920806 675	1.0+	0.2+	920823 675	0.8+	0.6+
750617 808	0.5+	1.0+	920807 675	1.6-	0.4+	920828 675	0.7+	0.5-
841020 095	0.1+	0.2-	920807 675	1.9-	1.9-	920828 675	0.6+	0.5+
920806 675	0.7+	0.1+	920823 675	0.3-	0.7+			

1992 PS6 = 1978 TS5 = 1985 TG2

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M 318.39434		(2000.0)		P	Q
n 0.27367180	Peri.	180.56754	+0.39469289	-0.91458311	
a 2.3495391	Node	246.18826	+0.84337335	+0.39865232	
e 0.0953642	Incl.	5.52371	+0.36460788	+0.06792698	
P 3.60	H 13.5		G 0.15		

Residuals in seconds of arc

781008 095	0.0	0.1-	920806 675	0.6+	0.1-	920822 675	0.0	0.4+
851011 046	0.3-	0.8-	920806 675	0.3-	0.4-	920828 675	0.3+	0.5-
851011 046	0.3+	0.9+	920822 675	0.3-	0.8+	920828 675	0.2-	0.3-

1992 QB1

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Marsden

M 325.72692		(2000.0)		P	Q
n 0.00334200	Peri.	42.30190	+0.74645880	-0.66543152	
a 44.3062534	Node	359.41311	+0.59973062	+0.67301473	
e 0.0993844	Incl.	2.21051	+0.28830965	+0.32288088	
P 294.9	H 7.5		G 0.15		

From 23 observations 1992 Aug. 30-Dec. 25, mean residual 0".51.

1992 RV1 = 1976 YZ5

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Marsden

M 292.34623		(2000.0)		P	Q
n 0.23556785	Peri.	147.06573	-0.25052540	-0.96699918	
a 2.5965222	Node	317.39174	+0.87275546	-0.20486480	
e 0.2252872	Incl.	3.92703	+0.41896889	-0.15146946	
P 4.18	H 14.0		G 0.15		

Residuals in seconds of arc

761216 095	1.5-	0.3+	920902 809	0.8-	0.4-	920923 809	0.5+	0.3+
761218 095	1.2+	0.8-	920903 809	0.3+	0.7-	920923 809	0.3+	0.7-
761220 095	0.3+	0.5+	920922 809	0.4+	0.4+	920923 809	0.6-	0.3-
920902 809	0.4+	0.4+	920922 809	0.0	0.6+			
920902 809	0.0	0.3+	920922 809	0.5-	0.0			

1992 RM2 = 1988 RF2

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Nakano

M 40.92690		(2000.0)		P	Q
n 0.24064418	Peri.	348.03933	+0.85785404	+0.50800130	
a 2.5598773	Node	340.82301	-0.44987071	+0.66938205	
e 0.1691725	Incl.	13.66366	-0.24840047	+0.54209072	
P 4.10	H 14.1		G 0.15		

Residuals in seconds of arc

880909 046	0.1+	0.6+	920902 809	1.8+	0.5+	920922 809	0.8-	0.3-
880909 046	0.1-	0.3-	920902 809	0.3+	0.1+	920923 809	0.7-	0.2-
880909 046	1.0-	0.2-	920902 809	0.1-	0.1+	920923 809	0.2-	0.1-
880909 046	0.2+	0.9-	920903 809	0.4-	0.2-	920923 809	1.1-	0.6-
880910 046	1.6-	0.3+	920922 809	0.4-	0.2+	920928 399	2.0+	0.4+
880910 046	2.5+	0.1+	920922 809	0.7-	0.3+	920928 399	(1.2+	3.8-)

1992 SL

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5 Williams
 M 60.80589 (2000.0) P Q
 n 0.46863757 Peri. 344.47653 +0.96852587 +0.24889563
 a 1.6415142 Node 1.12388 -0.20947401 +0.82137901
 e 0.3343751 Incl. 8.60345 -0.13445551 +0.51321291
 P 2.10 H 17.5 G 0.15
 From 59 observations 1992 Sept. 24-Dec. 3, mean residual 0".82.

1992 SQ = 1976 YY1

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5 Williams
 M 31.95180 (2000.0) P Q
 n 0.30281346 Peri. 108.51473 +0.94887816 -0.31100445
 a 2.1962710 Node 269.63288 +0.26543748 +0.87865116
 e 0.1311397 Incl. 3.09048 +0.17080161 +0.36228218
 P 3.25 H 14.5 G 0.15

Residuals in seconds of arc

761216	095	0.3-	0.0	920926	402	0.5-	0.6+	921002	402	0.1+	1.2+
761218	095	0.3+	0.8-	920927	402	1.4+	0.5-	921213	010	0.1-	0.5+
761220	095	0.0	0.4+	920927	402	1.2-	0.4+	921214	010	0.1-	0.4+
920926	402	1.3+	1.5-	921002	402	1.0-	0.7-				

1992 ST

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5 Williams
 M 11.51165 (2000.0) P Q
 n 0.24152878 Peri. 15.24762 +0.69041451 -0.71960708
 a 2.5536230 Node 31.20036 +0.64785351 +0.56945836
 e 0.3944843 Incl. 8.22586 +0.32189071 +0.39734471
 P 4.08 H 14.0 G 0.15
 From 25 observations 1992 Sept. 23-Dec. 27, mean residual 0".84.

1992 SB1

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5 Bardwell
 M 35.23262 (2000.0) P Q
 n 0.17471458 Peri. 347.09445 +0.98171846 +0.19005309
 a 3.1689590 Node 2.03851 -0.13794424 +0.74815166
 e 0.1676076 Incl. 17.04207 -0.13114970 +0.63572708
 P 5.64 H 11.5 G 0.15
 From 19 observations 1992 Sept. 23-Dec. 26, mean residual 0".68.

1992 SN1 = 1990 FL2 = 1990 FK3

Id. G. V. Williams (MPC 21116)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5 Williams
 M 7.95006 (2000.0) P Q
 n 0.23904969 Peri. 26.86727 +0.78511297 -0.61708739
 a 2.5712478 Node 11.69459 +0.51090171 +0.59696599
 e 0.2096449 Incl. 15.13495 +0.35011008 +0.51267412
 P 4.12 H 12.5 G 0.15

Residuals in seconds of arc

900317	046	1.2-	0.1-	920924	675	0.2+	2.1-	921003	691	1.9-	0.0
900317	046	0.1+	0.7-	920926	372	1.8-	0.8+	921005	372	0.0	2.0+
900319	046	1.0+	0.6+	920926	372	0.6+	0.8+	921119	675	0.6-	0.2+
900319	046	(4.9+	0.0)	921001	372	1.7+	1.1+	921119	675	0.5+	0.2+
920923	675	0.2-	1.3+	921001	372	1.9+	0.6-	921121	675	0.2-	1.1-
920923	675	1.2-	2.0-	921003	691	(4.8-	1.1+)	921121	675	(0.6+	3.7-)
920924	675	2.0+	1.1-	921003	691	1.0-	0.1+				

1992 SG13

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5 Bardwell
 M 36.54507 (2000.0) P Q
 n 0.27580265 Peri. 355.22958 +0.97089746 -0.23741227
 a 2.3374218 Node 18.59608 +0.22287319 +0.84747536
 e 0.2550220 Incl. 5.67254 +0.08766793 +0.47478514
 P 3.57 H 14.0 G 0.15
 From 10 observations 1992 Sept. 23-Dec. 23, mean residual 0".72.

1992 TA

Epoch 1992 Oct. 25.0 TT = JDT 2448920.5 Williams
 M 324.28137 (2000.0) P Q
 n 0.39158631 Peri. 80.46525 +0.23541568 -0.97127224
 a 1.8503379 Node 355.45112 +0.62651200 +0.17901727
 e 0.2889949 Incl. 26.01099 +0.74300887 +0.15678985
 P 2.52 H 17.0 G 0.15
 From 20 observations 1992 Oct. 2-Nov. 18.

1992 TB

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5 Marsden
 M 218.64670 (2000.0) P Q
 n 0.63407262 Peri. 5.91469 -0.98065934 +0.18991527
 a 1.3418688 Node 185.72678 -0.19332340 -0.97763976
 e 0.4623757 Incl. 28.31046 -0.03055038 +0.09029220
 P 1.55 H 17.5 G 0.15
 From 19 observations 1992 Oct. 2-Dec. 17, mean residual 0".63.

1992 TC

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5 Williams
 M 53.72467 (2000.0) P Q
 n 0.50290907 Peri. 275.31913 +0.98982105 -0.07097995
 a 1.5660648 Node 88.79183 +0.11478657 +0.91055807
 e 0.2926711 Incl. 7.08728 -0.08413280 +0.40724175
 P 1.96 H 17.5 G 0.15
 From 45 observations 1992 Oct. 1-Dec. 22, mean residual 0".74.

1992 UB

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5 Williams
 M 19.86492 (2000.0) P Q
 n 0.18354695 Peri. 290.71906 +0.96139072 -0.07563843
 a 3.0664645 Node 74.37263 +0.19254113 +0.87183261
 e 0.5825885 Incl. 15.94676 -0.19661077 +0.48392843
 P 5.37 H 16.0 G 0.15
 From 21 observations 1992 Sept. 5-Dec. 28, mean residual 0".53.

1992 UR = 1981 UJ20

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5 Williams
 M 46.11236 (2000.0) P Q
 n 0.26380114 Peri. 313.64394 +0.97691876 +0.13939518
 a 2.4077881 Node 39.18436 -0.02362608 +0.82359369
 e 0.1979094 Incl. 14.84362 -0.21230062 +0.54978398
 P 3.74 H 13.5 G 0.15

Residuals in seconds of arc

771022	675	1.6+	0.6-	921024	894	0.1-	0.5+	921026	885	0.2-	0.4-
771022	675	0.1+	1.8-	921025	385	0.6-	2.0+ Y	921027	894	0.7-	0.2+
811028	095	0.4+	1.0-	921025	385	1.0-	2.2- Y	921027	894	0.6+	1.5-
921021	894	0.6+	0.5+	921025	894	0.1-	1.1+	921030	894	0.2-	0.4-
921021	894	0.5-	0.6+	921025	894	0.2-	0.2-	921030	894	0.3-	0.2-
921024	894	1.1+	1.4+	921026	885	0.7-	1.9+	921031	894	0.8+	0.4-

921031	894	0.3+	0.1-	921122	894	1.6-	1.1+	921214	010	0.2+	1.1+
921121	894	0.5-	0.6-	921122	894	1.0+	1.1-				
921121	894	0.0	1.0+	921213	010	0.1-	1.4-				

1992 US1

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	42.37378		(2000.0)			P		Q	
n	0.28529777	Peri.	317.20640	+0.99280152				-0.06683868	
a	2.2852680	Node	46.91238	+0.10663451				+0.87111074	
e	0.1348555	Incl.	7.82157	-0.05453649				+0.48651688	
P	3.45	H	14.0	G	0.15				

From 18 observations 1992 Sept. 30-Dec. 14, mean residual 1".10.

1992 UG2 = 1978 GY2 = 1979 MD9

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Ichikawa

M	141.60932		(2000.0)			P		Q	
n	0.23693624	Peri.	225.12898	-0.20714997				+0.97014243	
a	2.5865153	Node	33.52096	-0.82081418				-0.10219195	
e	0.1675017	Incl.	13.20427	-0.53230910				-0.21995561	
P	4.16	H	12.4	G	0.15				

Residuals in seconds of arc

780411	095	0.1-	0.2-	921019	400	0.5+	0.2+	921115	400	1.0+	2.8-
790628	805	0.5-	0.2+	921019	400	0.9-	0.6+	921120	691	1.9-	0.3+
790629	805	1.7+	0.3+	921026	400	2.1+	0.5-	921120	691	1.9-	0.2+
790629	805	1.8+	0.5-	921026	400	0.4-	1.5+	921120	691	1.1-	0.1+
790629	805	2.8-	0.3-	921115	400	2.5+	0.0				

1992 UD3 = 1959 VA = 1981 TB2 = 1981 UD1

Id. S. Nakano (unpublished; d, MPC 10752)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Nakano

M	12.39280		(2000.0)			P		Q	
n	0.26936202	Peri.	179.92419	+0.63850589				-0.76182065	
a	2.3745344	Node	230.39454	+0.70603507				+0.63632909	
e	0.1565176	Incl.	8.15337	+0.30630819				+0.12130371	
P	3.66	H	13.5	G	0.15				

Residuals in seconds of arc

591103	760	0.6-	1.6+	921027	372	(3.5-	0.2+)	921118	894	0.2-	0.8-
811003	095	0.7+	0.5-	921027	894	0.2-	0.8-	921121	894	0.1+	1.0-
811030	704	0.3+	1.2-	921027	894	0.9-	0.5+	921121	894	0.1+	0.4+
811030	704	0.1+	1.2-	921030	894	0.1+	1.0-	921124	894	1.4+	0.4+
811031	704	(0.3-	4.7-)	921030	894	0.1+	1.6+	921124	894	1.1+	0.8-
921026	894	0.4-	0.1-	921030	372	1.3-	1.2-	921129	894	0.3+	1.4+
921026	894	0.9+	2.5+	921118	894	(2.5-	3.1+)	921129	894	1.5-	0.3+

1992 UB4 = 1978 NW5 = 1982 VT8 = 1985 RY1

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Nakano

M	349.36084		(2000.0)			P		Q	
n	0.29477529	Peri.	2.41187	+0.22454332				-0.97135752	
a	2.2360182	Node	74.61988	+0.89269811				+0.17305458	
e	0.0561643	Incl.	4.62515	+0.39073059				+0.16283943	
P	3.34	H	13.9	G	0.15				

Residuals in seconds of arc

780710	675	(0.2-	1.8+)	Y	850912	688	1.2+	0.9+	921027	376	0.7-	2.3-
780711	675	(3.7+	2.8-)	Y	850912	688	2.2-	1.4+	921028	400	1.1+	0.4-
780713	675	(3.1-	0.9-)	Y	921026	400	0.8-	0.1-	921028	400	0.3+	1.1+
821109	095	0.1+	0.5+		921026	400	1.1-	1.8+	921121	400	1.8+	1.0-
821114	095	0.7-	1.0+		921027	376	0.0	2.4-	921121	400	0.7+	0.3+

1992 UC4 = 1981 UY16 = 1983 EB = 1991 PU7

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

		(2000.0)		P	Q	Nakano				
M	317.76856									
n	0.18094593	Peri.	349.35748	-0.35403257	-0.93346460					
a	3.0957805	Node	121.35477	+0.86292909	-0.34974304					
e	0.1269501	Incl.	3.85997	+0.36057499	-0.07952138					
P	5.45	H	12.5	G	0.15					

Residuals in seconds of arc

811024	095	0.6+	1.8-	910806	809	1.9+	0.4+	921026	400	1.2-	0.4+
830304	046	0.4-	1.6-	910814	809	0.8-	0.7-	921028	400	0.8-	0.3+
830304	046	(3.5-	5.5-)	910814	809	1.0-	0.2+	921028	400	0.6+	0.5+
910806	809	0.1+	0.6-	910814	809	1.1-	0.4-	921121	400	0.3+	0.2-
910806	809	1.5+	0.3-	921026	400	1.4-	0.4+	921121	400	2.0+	0.3+

1992 UE4 = 1981 UM23

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

		(2000.0)		P	Q	Nakano				
M	17.85570									
n	0.26842867	Peri.	313.41331	+0.71356548	-0.69754813					
a	2.3800356	Node	90.93437	+0.66014841	+0.63829754					
e	0.2386308	Incl.	3.73878	+0.23458130	+0.32558080					
P	3.67	H	14.4	G	0.15					

Residuals in seconds of arc

811024	675	0.1-	0.2+	921026	400	0.1+	0.6+	921115	400	1.0-	0.1+
811025	675	0.1-	0.3+	921028	400	0.2-	0.0	921115	400	1.1+	0.1-
921026	400	0.2-	0.7-	921028	400	0.4+	0.3-				

1992 UG4 = 1971 SL3 = 1987 WB4

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

		(2000.0)		P	Q	Nakano				
M	64.75982									
n	0.18920869	Peri.	271.72003	+0.89314018	+0.43749208					
a	3.0049828	Node	62.34780	-0.35138813	+0.82360656					
e	0.1624306	Incl.	6.76934	-0.28076145	+0.36093339					
P	5.21	H	12.2	G	0.15					

Residuals in seconds of arc

710926	805	0.3+	0.0	921026	400	0.3+	0.2-	921031	376	0.2+	1.3+
710927	805	0.1+	0.8-	921028	400	1.8-	0.6+	921121	400	1.4+	0.7-
871124	688	0.3-	0.7-	921028	400	0.6-	1.1+	921121	400	0.5+	0.1-
871124	688	0.4+	0.4+	921031	376	0.4-	0.9-				

1992 UH4 = 1991 JX3

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

		(2000.0)		P	Q	Nakano				
M	53.96750									
n	0.22552392	Peri.	270.01182	+0.93367946	+0.27654255					
a	2.6730534	Node	73.93455	-0.15231645	+0.88168236					
e	0.1922052	Incl.	13.69599	-0.32410240	+0.38230934					
P	4.37	H	12.9	G	0.15					

Residuals in seconds of arc

910512	809	0.0	0.4+	910517	809	0.1-	0.5-	921028	400	0.6-	0.0
910512	809	0.1-	0.3-	910517	809	0.1-	0.3-	921028	400	0.1+	1.1+
910512	809	0.3-	0.4+	921026	400	0.1+	0.7+	921116	400	0.3-	0.3-
910517	809	0.6+	0.5+	921026	400	0.3+	1.9-	921116	400	0.3+	0.4+

1992 UN4 = 1978 TV6

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

		(2000.0)		P	Q	Williams				
M	14.55313									
n	0.21228227	Peri.	322.85227	+0.74562011	-0.64277829					
a	2.7830877	Node	78.10236	+0.64637355	+0.63351165					
e	0.1596118	Incl.	10.34673	+0.16202435	+0.43069603					
P	4.64	H	12.0	G	0.15					

Residuals in seconds of arc

781002 095	0.7-	0.9+	921028 400	0.0	0.5+	921124 675	0.8-	0.0
781008 095	0.8+	1.1-	921028 400	0.2-	0.4-	921124 675	0.3-	1.5+
921026 400	0.2+	0.5+	921121 675	1.0+	1.2-			
921026 400	0.4-	0.2-	921121 675	0.5+	0.6-			

1992 UO4 = 1987 XZ

Id. A. Lowe, S. Nakano

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Nakano

M 108.90929		(2000.0)		P	Q
n 0.17506154	Peri.	217.36775	+0.36354347	+0.89574585	
a 3.1647705	Node	75.24269	-0.77802574	+0.44301191	
e 0.0935254	Incl.	15.34381	-0.51235934	-0.03714603	
P 5.63	H 10.7		G 0.15		

Residuals in seconds of arc

871215 046	1.8-	1.3-	921026 400	1.7-	0.2-	921116 400	0.8-	1.3+
871215 046	2.0-	1.2-	921026 400	0.8+	0.5-	921116 400	0.8+	0.8-
871223 046	1.5+	0.9+	921028 400	1.0+	0.3-			
871223 046	2.3+	1.6+	921028 400	0.1-	0.6+			

1992 UQ4 = 1952 UL = 1963 TV

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Nakano

M 7.85103		(2000.0)		P	Q
n 0.27230251	Peri.	292.69975	+0.53151222	-0.84097212	
a 2.3574091	Node	124.80035	+0.81537593	+0.47556892	
e 0.1470582	Incl.	7.08594	+0.22947080	+0.25806993	
P 3.62	H 13.0		G 0.15		

Residuals in seconds of arc

521022 760	1.9+	0.6-	631014 760	1.1-	1.1+	921028 400	0.8+	0.3+
521022 760	0.2+	1.0-	631018 760	1.2-	3.2-	921028 400	0.3-	0.1-
521025 760	2.5-	2.2+	631018 760	1.5+	0.2+	921116 400	2.9-	0.6-
521025 760	(2.8-	6.1-)	921026 400	1.8+	0.5+	921116 400	(4.5-	1.7-)
631014 760	1.5+	0.6+	921026 400	0.2+	0.7+			

1992 US4 = 1971 DS = 1982 BZ8 = 1988 RT8

Id. K. Ichikawa, E. Howell

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Ichikawa

M 9.98215		(2000.0)		P	Q
n 0.26330967	Peri.	138.69624	+0.49713235	-0.86730222	
a 2.4107833	Node	281.47893	+0.78911009	+0.46410753	
e 0.1869024	Incl.	1.48647	+0.36078344	+0.17997516	
P 3.74	H 13.4		G 0.15		

Residuals in seconds of arc

710218 095	1.2-	2.2-	921027 402	0.5-	1.3+	921117 402	0.2-	0.3-
820119 095	0.2+	0.2-	921028 402	0.1+	1.1+	921117 402	0.2-	0.3+
880912 071	0.5-	2.3-	921030 402	0.5+	1.4+	921118 402	1.4-	0.3-
880912 071	1.9+	0.7-	921102 402	0.4+	0.7-	921118 402	0.4-	0.6-
921027 402	0.9+	0.3-	921102 402	0.3+	0.3-			

1992 UY4

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M 28.71305		(2000.0)		P	Q
n 0.22782854	Peri.	37.36585	+0.97211551	+0.23134883	
a 2.6549966	Node	309.21324	-0.22532396	+0.87622253	
e 0.6199802	Incl.	2.83561	-0.06496583	+0.42274317	
P 4.33	H 17.5		G 0.15		

From 38 observations 1992 July 21-Dec. 23, mean residual 0".77.

1992 UK5 = 1974 QC2 = 1978 VC10

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	94.13741		(2000.0)		P		Williams	Q
n	0.27811740	Peri.	250.50671	+0.55514289			+0.82861382	
a	2.3244343	Node	53.42539	-0.72542598			+0.52482355	
e	0.2607633	Incl.	5.15939	-0.40690726			+0.19483169	
P	3.54	H	13.5	G	0.15			

Residuals in seconds of arc

740826	095	0.2-	0.4+	921025	408	1.0+	0.4+	921118	408	0.8+	0.2+
781105	675	0.7-	0.4-	921026	408	1.0+	1.4-	921126	691	1.0-	0.5+
781106	675	0.4-	0.8+	921026	408	0.5+	0.2-	921126	691	0.8-	0.4+
781107	675	1.6-	0.4+	921027	408	0.9+	0.1+	921126	691	0.7-	0.3+
781108	675	2.6+	0.4-	921027	408	0.4-	0.3+				
921025	408	0.8-	1.4-	921118	408	0.4-	0.1+				

1992 UT5 = 1992 WG8 = 1967 RH1 = 1977 RU5 = 1982 SH4 = 1982 VD13 = 1987 SY15
= 1987 UP6

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	120.66630		(2000.0)		P		Nakano	Q
n	0.20252620	Peri.	90.92525	+0.46153009			+0.88704077	
a	2.8717629	Node	206.57137	-0.82437729			+0.42376819	
e	0.0361890	Incl.	1.56187	-0.32770728			+0.18324627	
P	4.87	H	11.6	G	0.15			

Residuals in seconds of arc

670911	095	1.1+	2.2-	871027	095	0.5-	1.5+	921117	400	0.8+	0.5-
770909	095	0.4+	1.7+	921028	400	1.2-	0.9-	921117	400	0.9+	0.7+
820920	095	0.1+	1.8+	921028	400	0.7-	1.8+	921118	376	0.4-	0.4+
820926	095	2.6-	0.0	921028	399	0.5-	0.1+	921118	376	0.6-	0.8-
821109	808	0.4-	0.1+	921028	399	0.3-	0.1+	921127	366	0.7+	2.7-
821109	808	1.1-	0.6-	921102	400	0.8-	0.5+	921127	366	1.6+	1.8-
870925	095	3.7+	1.2-	921102	400	0.6+	1.4+				

1992 UF6 = 1958 UH = 1968 QP = 1980 BC3 = 1985 TF = 1990 CA = 1990 CZ

Id. T. Urata, G. V. Williams (d)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	33.70909		(2000.0)		P		Williams	Q
n	0.29062857	Peri.	106.62246	+0.83506499			-0.54465726	
a	2.2572371	Node	286.44019	+0.46890192			+0.77836287	
e	0.1498366	Incl.	4.63812	+0.28774547			+0.31224944	
P	3.39	H	13.0	G	0.15			

Residuals in seconds of arc

581016	760	0.8+	0.5+	900130	046	(8.9-	4.4+)	921101	885	0.3+	0.9+
581016	760	1.3-	0.4-	900201	402	0.3+	0.7+	921101	885	0.1-	0.7+
680827	095	0.4+	0.3+	900201	402	0.8+	0.1+	921126	385	1.3-	0.9-
800124	095	2.1+	2.0-	900202	402	(3.6-	0.8-)	921126	385	(3.1-	0.6-)
851015	688	0.4-	0.2+	900202	402	0.9-	1.1+	921215	885	0.9+	0.0
851015	688	1.0-	0.2+	900214	399	1.5-	0.7+	921215	885	0.6+	0.6+
900129	046	(7.2-	0.8-)	900214	399	1.1-	0.4+	921216	885	0.8+	0.6-
900129	046	(8.1-	0.4+)	921031	885	0.0	0.6-	921216	885	0.3-	0.6-
900130	046	(8.9-	1.7+)	921031	885	1.4+	0.6-				

1992 UJ6 = 1985 UW6 = 1985 VD6

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	31.95201		(2000.0)		P		Nakano	Q
n	0.28540967	Peri.	184.79144	+0.86285759			-0.50303287	
a	2.2846706	Node	205.59635	+0.46745086			+0.83131639	
e	0.1976216	Incl.	6.55819	+0.19226670			+0.23637045	
P	3.45	H	14.5	G	0.15			

Residuals in seconds of arc

851018	095	0.6+	1.3+	921102	376	0.3-	1.5-	921122	376	0.4-	0.5-
851112	095	0.4-	2.4-	921102	376	0.4-	0.9+	921122	376	0.3-	0.1-
921031	376	0.9+	0.4+	921118	376	0.6-	0.6+	921204	376	1.0+	1.3+
921031	376	0.6+	0.3+	921118	376	0.6-	1.5+	921204	376	0.1+	1.8-

1992 VD = 1962 WA2 = 1979 WT6

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	65.75372		(2000.0)			P		Nakano		Q	
n	0.22885474	Peri.	271.93724			+0.98489841		+0.16224616			
a	2.6470538	Node	78.72912			-0.12396487		+0.90449518			
e	0.0877390	Incl.	3.53248			-0.12086288		+0.39441685			
P	4.31	H	13.1			G	0.15				

Residuals in seconds of arc

621130	760	1.9+	0.2+	921102	376	0.2-	0.3+	921118	376	0.2-	1.2-
621130	760	2.1-	0.8+	921102	376	1.1+	0.2+	921121	376	0.7+	0.4-
791117	095	0.5+	1.5-	921102	376	0.1+	0.8+	921121	376	0.2-	0.3+
921031	376	0.5+	1.8+ Y	921102	376	0.2+	0.4+	921129	376	0.3-	2.3-
921031	376	1.8-	1.4+ Y	921118	376	(0.9+	3.6-)	921129	376	0.1+	0.8-

1992 VM

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	13.31904		(2000.0)			P		Williams		Q	
n	0.21467656	Peri.	253.89733			+0.71463982		-0.69254744			
a	2.7623559	Node	149.72189			+0.69284976		+0.68149847			
e	0.5084864	Incl.	11.24557			+0.09617244		+0.23651190			
P	4.59	H	15.0			G	0.15				

From 17 observations 1992 Nov. 3-1993 Jan. 4, mean residual 0".68.

1992 WS = 1961 TA1 = 1971 MH = 1975 VM8 = 1985 UE

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	66.95668		(2000.0)			P		Nakano		Q	
n	0.28832225	Peri.	110.23302			+0.96633160		+0.24893458			
a	2.2692584	Node	235.40520			-0.25555097		+0.89912096			
e	0.1973111	Incl.	4.53413			-0.02994884		+0.36001817			
P	3.42	H	13.6			G	0.15				

Residuals in seconds of arc

611010	760	0.3-	0.1+	851108	675	(21.8+	32.0+)	921121	399	1.3-	1.1+
611010	760	0.1-	1.0+	921116	400	0.1+	0.3+	921121	399	0.1-	1.5+
710628	095	0.2-	1.1+	921116	400	1.5+	0.6+	921125	675	0.8-	0.0
751107	095	0.0	0.0	921117	400	0.6+	1.4-	921125	675	0.6+	0.1-
851020	688	0.2-	0.8-	921117	400	0.7+	0.1+	921127	400	0.5-	1.4+
851020	688	0.3-	1.2-	921117	403	1.2-	0.3-	921127	400	0.1-	0.8+
851107	688	1.1+	0.0	921117	403	0.1-	0.2-	921128	675	0.9+	0.2-
851107	675	(5.6-	3.3+)	921118	399	1.7-	0.0	921130	675	0.6+	0.6-
851107	688	0.6+	1.4-	921118	399	0.3-	1.5+	921130	675	0.6+	1.7-

1992 WT = 1951 JD1 = 1951 KU = 1964 ET = 1974 FP1 = 1977 CW2 = 1978 OT
= 1982 UZ6 = 1982 VB5 = 1984 DK3 = 1984 JE2 = 1987 AWId. S. Nakano; 7637 P-L = 1977 CW2 (MPC 18642) is invalid. 7637 P-L =
1986 VP7 (ibid.) is therefore suspect.

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	163.38601		(2000.0)			P		Nakano		Q	
n	0.29603907	Peri.	204.99101			-0.11042159		+0.98891450			
a	2.2296500	Node	58.81012			-0.89125950		-0.05432079			
e	0.1120733	Incl.	6.66403			-0.43984495		-0.13819321			
P	3.33	H	12.8			G	0.15				

Residuals in seconds of arc

510514	760(70.0+ 58.5+)X	821112	095	0.1+	1.1-	921117	400	0.8-	1.6-
510527	711(32.1+ 1.0-)Y	821114	381	0.7+	0.2-	921117	400	0.6-	0.8-
640311	033 2.2- 0.4+	821114	381	0.0	0.2-	921118	399	1.0-	1.9+
640312	033 0.5+ 1.4-	840227	095	1.4+	1.6+	921118	399	0.2-	0.2-
740321	095 0.2- 1.1+	840503	095	2.2-	0.1+	921121	399	0.6-	1.4+
770212	675 0.1+ 0.4-	870108	010	1.4+	0.7+	921121	399	1.8-	1.2+
770213	675 0.6+ 0.4-	870108	010	1.8+	0.9-	921127	400	0.8-	0.4-
780731	808 0.0 0.1-	870108	010	1.0+	0.1-	921127	400	2.0+	0.7-
780731	808 1.0+ 1.3+	921116	400	1.5-	1.3-				
821021	095 0.4+ 1.1+	921116	400	1.7+	0.0				

1992 WD1 = 1981 UP24

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

				P		Q		Ichikawa	
M	23.38359	(2000.0)							
n	0.26936656	Peri.	303.50775	+0.71895633		-0.69295174			
a	2.3745078	Node	100.42167	+0.65453631		+0.64883977			
e	0.1907540	Incl.	3.14944	+0.23384615		+0.31436418			
P	3.66	H	14.5	G	0.15				

Residuals in seconds of arc

811024	675 0.2+ 0.3-	921116	400	0.5-	0.4+	921127	400	2.4-	0.2+
811025	675 0.1- 0.1+	921117	400	1.8+	0.8+	921127	400	2.4+	0.6-
921116	400 2.0- 0.2+	921117	400	0.7+	0.9-				

1992 WN1 = 1991 PD5

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

				P		Q		Ichikawa	
M	359.74850	(2000.0)							
n	0.19817317	Peri.	304.77946	+0.21810906		-0.97336038			
a	2.9136641	Node	132.45878	+0.92378420		+0.18255262			
e	0.1643160	Incl.	5.49883	+0.31472399		+0.13872311			
P	4.97	H	13.4	G	0.15				

Residuals in seconds of arc

910803	809 0.1- 1.0-	910805	809	0.9+	1.4+	921118	400	1.8-	1.3-
910803	809 1.1- 0.7-	910805	809	0.9+	0.9+	921118	400	0.6-	1.3+
910803	809 2.2- 1.6-	921117	400	0.0	0.0	921127	400	0.1-	1.0-
910805	809 1.6+ 0.9+	921117	400	3.1+	0.3+	921127	400	0.4-	0.6+

1992 WX2 = 1958 XD1 = 1979 TN2 = 1979 WX = 1991 PZ9

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Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

				P		Q		Nakano	
M	311.67873	(2000.0)							
n	0.23112800	Peri.	283.85033	-0.63542215		-0.77177164			
a	2.6296685	Node	205.65156	+0.72861497		-0.58871308			
e	0.1176847	Incl.	3.26325	+0.25565392		-0.24038604			
P	4.26	H	13.0	G	0.15				

Residuals in seconds of arc

581205	330 0.2+ 1.4-	910811	809	1.1+	0.0	921119	675	0.2-	0.6+
791014	095 1.2- 0.6-	910811	809	0.4+	0.9-	921121	675	0.3-	0.2+
791116	095 1.2+ 0.8+	921116	400	1.3-	1.5-	921121	675	0.9+	1.0-
910806	809 0.4+ 0.8-	921116	400	0.1+	1.7+	921127	400	0.4+	1.5-
910806	809 0.9- 1.5+	921117	400	0.1+	0.9+	921127	400	0.0	0.6+
910806	809 1.8- 1.2-	921117	400	0.5+	0.2+				
910811	809 0.9+ 0.9+	921119	675	0.6-	0.8+				

1992 WC3 = 1983 CB6 = 1985 UY3

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	67.63679		(2000.0)		P		Nakano	Q
n	0.28799913	Peri.	271.01292	+0.98581826			+0.13590071	
a	2.2709554	Node	81.18140	-0.08428157			+0.90826805	
e	0.1877253	Incl.	5.71802	-0.14511711			+0.39570209	
P	3.42	H	13.5	G	0.15			

Residuals in seconds of arc

830202	095	0.0	0.1-	921121	402	0.2-	1.3-	921125	877	2.4+	0.4+
851021	095	0.3-	0.7+	921122	894	1.8-	0.4+	921204	894	0.5-	0.6+
921118	402	1.0+	0.1-	921122	894	0.3-	1.9-	921204	894	0.7-	0.3-
921118	402	0.9+	0.1+	921123	877	0.2+	0.5-	921214	894	0.4-	1.3+
921121	894	1.3-	0.4-	921123	877	0.8+	0.4-	921214	894	1.6-	1.9+
921121	894	0.1+	0.5-	921125	877	1.4+	0.4+				

1992 WG3 = 1982 BN9

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	358.06579		(2000.0)		P		Nakano	Q
n	0.26281802	Peri.	236.20977	+0.11207657			-0.99362674	
a	2.4137889	Node	207.36274	+0.92013626			+0.10834358	
e	0.1733780	Incl.	1.49992	+0.37521741			+0.03110576	
P	3.75	H	14.5	G	0.15			

Residuals in seconds of arc

820119	095	0.6-	0.9-	921118	399	0.8-	2.1-	921129	399	0.1-	1.2+
820120	095	0.6+	0.6+	921121	399	1.5+	0.2+	921129	399	0.1+	1.5+
921118	399	0.5+	0.1-	921121	399	1.3-	0.6-				

1992 WU3 = 1987 KO = 1988 SK

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	32.04915		(2000.0)		P		Nakano	Q
n	0.26443049	Peri.	63.87754	+0.77662576			-0.62982824	
a	2.4039662	Node	335.15338	+0.56637391			+0.70711487	
e	0.2008675	Incl.	1.77197	+0.27581339			+0.32141087	
P	3.73	H	14.0	G	0.15			

Residuals in seconds of arc

870530	413	0.9-	0.8+	880917	511	(3.5-	1.3-)	921123	896	0.6+	0.2+ Y
870530	413	0.7+	1.6-	880917	511	1.0+	0.7+	921126	896	1.2-	0.6- Y
880915	511	2.4-	1.4-	880917	511	2.2+	2.6+	921126	896	0.7-	0.0
880915	511	0.4-	0.5-	880918	511	2.4-	1.0-	921204	896	0.2+	0.9+
880915	511	0.6+	0.5-	880918	511	1.9+	1.2+	921204	896	0.7+	0.2-
880915	675	0.4-	0.5-	880918	511	(5.3+	3.0+)				
880915	675	0.2-	0.5-	921123	896	0.5+	0.9-				

1992 WV3 = 1958 DL1 = 1981 SL6 = 1988 SB

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	16.24481		(2000.0)		P		Nakano	Q
n	0.27830749	Peri.	53.38560	+0.40639490			-0.91346415	
a	2.3233758	Node	12.68480	+0.80540943			+0.34746644	
e	0.1030798	Incl.	5.39619	+0.43146127			+0.21177895	
P	3.54	H	13.7	G	0.15			

Residuals in seconds of arc

580219	330	0.4+	0.8+	880916	511	0.2-	1.3-	921126	896	(42.9-	38.7-)Y
810928	095	1.2-	0.7+	880916	511	(4.7+	0.0)	921203	896	1.2+	0.6+ Y
811005	095	0.2+	1.1+	880917	511	1.8-	0.1+	921203	896	0.7-	0.2-
880915	511	0.2+	1.1-	880917	511	0.2+	0.6+	921215	896	1.0+	0.0 Y
880915	511	0.8+	0.0	921124	896	0.4-	0.3+	921215	896	0.9-	1.5-
880915	511	1.4+	0.7+	921124	896	(4.7-	0.2+)				

1992 WA4 = 1986 TO6 = 1986 VC9

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	36.77180		(2000.0)			P			Nakano	Q
n	0.17267092	Peri.	308.17076				+0.92613399			-0.36171996
a	3.1939142	Node	73.26274				+0.37148575			+0.82555995
e	0.1642639	Incl.	6.41118				+0.06537712			+0.43313905
P	5.71	H	12.5			G	0.15			

Residuals in seconds of arc

861007	688	0.6-	0.2-	921121	399	1.9+	1.0+	921127	399	2.0-	0.0
861007	688	0.7+	0.4+	921121	399	1.1+	0.3+	921215	399	2.0-	0.8-
861104	095	0.8+	0.6-	921126	691	0.4+	1.1-	921215	399	0.7-	0.8-
861105	688	0.4-	0.7+	921126	691	0.3+	1.0-	921217	399	0.0	0.6+
861105	688	0.6-	0.3-	921127	399	0.9-	0.5+	921217	399	1.9+	1.2+

1992 WO4 = 1977 LP = 1978 XK1 = 1986 JW = 1987 SL27 = 1987 UE8

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Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	89.16236		(2000.0)			P			Nakano	Q
n	0.21385762	Peri.	249.04658				+0.81958680			+0.55363989
a	2.7694034	Node	77.05962				-0.45320284			+0.78395370
e	0.2270899	Incl.	8.70562				-0.35054909			+0.28089049
P	4.61	H	12.3			G	0.15			

Residuals in seconds of arc

770612	675	1.5+	0.8+	870927	095	1.0+	2.8-	921204	894	1.3+	0.3-
770613	675	1.2+	1.3+	871023	095	0.5-	0.4+	921204	894	0.5+	0.2-
781206	675	2.0-	0.4+	921124	894	0.7+	0.0	921214	894	0.4+	0.8+
781206	675	0.4-	1.4+	921124	894	1.4-	0.8-	921216	894	1.3+	1.0-
860513	688	2.3-	0.4-	921129	894	0.3+	1.1+	921216	894	1.3+	0.4-
860513	688	0.9-	1.3-	921129	894	1.8-	0.7+				

1992 WR4

Epoch 1992 Dec. 4.0 TT = JDT 2448960.5

M	0.60410		(2000.0)			P			Bardwell	Q
n	0.35848154	Peri.	201.06071				+0.34197077			-0.93707563
a	1.9625686	Node	229.01421				+0.87493674			+0.34480856
e	0.3362464	Incl.	5.34532				+0.34284355			+0.05473865
P	2.75	H	16.5			G	0.15			

From 23 observations 1992 Nov. 19-Dec. 24.

1992 WD5

Epoch 1992 Dec. 4.0 TT = JDT 2448960.5

M	330.52422		(2000.0)			P			Williams	Q
n	0.41033077	Peri.	122.19949				-0.67315044			-0.73920215
a	1.7935493	Node	10.19465				+0.63180872			-0.58976611
e	0.3037323	Incl.	6.87336				+0.38429964			-0.32520165
P	2.40	H	15.5			G	0.15			

From 24 observations 1992 Nov. 21-1993 Jan. 4.

1992 WM5 = 1965 AF = 1973 AZ2 = 1988 XQ2

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	343.88594		(2000.0)			P			Urata	Q
n	0.24485763	Peri.	17.97722				-0.28747849			-0.94684560
a	2.5304259	Node	88.92337				+0.86007483			-0.32152375
e	0.1266668	Incl.	8.30164				+0.42145867			+0.01028983
P	4.03	H	12.8			G	0.15			

Residuals in seconds of arc

650101	330	0.5+	1.3-	881228	364	(6.2+	0.7-)	921129	881	0.2+	0.9+
730102	095	1.1-	2.8+	881228	364	1.9+	1.7-	921129	881	0.1-	0.1+
881213	872	0.5-	0.7-	921126	881	0.7-	0.3+	921205	885	1.2-	1.5-
881213	872	0.1-	0.1-	921126	881	0.6+	0.6+	921205	885	0.6+	0.6+

1992 WP5 = 1971 KT = 1989 YT5

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Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	189.29060		(2000.0)			P				Nakano	Q
n	0.29959009	Peri.	145.03202			-0.34799087				+0.93570226	
a	2.2119964	Node	104.54257			-0.87321970				-0.30099817	
e	0.0694986	Incl.	3.43502			-0.34115935				-0.18401464	
P	3.29	H	13.2			G	0.15				

Residuals in seconds of arc

710525	095	0.6+	1.8+	921126	691	0.7-	0.4-	921216	372	0.3+	0.7+
891229	511	1.1+	1.4-	921127	372	1.6-	0.5+	921216	372	0.6+	1.1+
891229	511	0.8+	1.4-	921127	372	0.9-	0.7-	921221	372	0.4-	1.2-
891230	511	0.8+	0.3+	921201	372	1.4-	0.7+	921221	372	0.6-	1.7+
891230	511	2.8-	1.1+	921201	372	1.6+	0.6+	921221	372	(2.1-	3.8-)
921126	691	0.9-	0.1-	921203	372	1.6+	0.7-	921221	372	1.3+	1.2+
921126	691	0.9+	0.2-	921203	372	0.6-	0.1-				

1992 WW5 = 1980 FP1 = 1989 AM4 = 1991 NG7

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	62.43834		(2000.0)			P				Ichikawa	Q
n	0.20547651	Peri.	175.73866			+0.99465383				+0.10326125	
a	2.8442074	Node	178.33348			-0.09566804				+0.92484225	
e	0.0883148	Incl.	1.84016			-0.03887650				+0.36606546	
P	4.80	H	13.0			G	0.15				

Residuals in seconds of arc

800316	809	0.2+	0.3+	890110	413	0.6-	1.1+	921118	376	0.4+	1.0-
800316	809	0.3+	0.5+	890110	413	0.3+	1.2-	921121	376	0.2+	0.8+
800316	809	0.3-	0.5-	910712	809	0.4-	0.2+	921121	376	0.4+	1.4+
800316	809	0.6-	0.6-	910712	809	0.4-	0.0	921122	376	2.9-	0.1-
800317	809	0.1+	0.3+	910712	809	0.2-	0.3+	921122	376	0.2+	0.6+
800317	809	0.7-	0.3+	910715	809	0.1-	0.3+	921129	376	1.3+	0.1-
800317	809	0.2+	0.4-	910715	809	0.1+	0.2+	921129	376	0.8+	0.4-
800317	809	0.6+	0.2-	910715	809	0.7+	0.3+				
890104	413	0.8+	1.7+	921118	376	0.5-	1.1-				

1992 WC8 = 1980 EU1 = 1987 SC11 = 1989 BT1 = 1991 PV19

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	201.43907		(2000.0)			P				Nakano	Q
n	0.20449229	Peri.	127.09930			-0.64232958				+0.76441019	
a	2.8533262	Node	102.84033			-0.72003340				-0.57700712	
e	0.0147384	Incl.	3.26829			-0.26261114				-0.28764535	
P	4.82	H	12.5			G	0.15				

Residuals in seconds of arc

800315	095	0.6-	1.7+	890131	046	1.6+	0.3-	921126	691	0.5-	0.2-
870930	033	0.9+	0.4-	890202	046	1.9-	0.2-	921126	691	0.7-	0.1-
870930	033	1.5+	0.7-	890202	046	1.8-	0.2+	921127	399	0.3+	0.3+
890129	046	0.8+	1.9-	910810	675	0.9+	1.0-	921127	399	1.7-	0.8-
890129	046	0.1+	1.4-	910810	675	0.4+	0.6-	921215	399	1.8+	1.8+
890130	046	0.0	0.2-	921121	399	0.2+	0.0	921215	399	0.1-	1.0+
890130	046	0.4+	0.3-	921121	399	0.4+	0.3+	921217	399	0.2-	0.3+
890131	046	1.1+	0.0	921126	691	0.9-	0.1+	921217	399	2.0-	0.0

1992 XA

Epoch 1992 Dec. 4.0 TT = JDT 2448960.5

Marsden

M	3.00119		(2000.0)		P		Q
n	0.15275654	Peri.	184.33577	+0.49388092			-0.79645006
a	3.4657948	Node	236.44893	+0.80983975			+0.56743155
e	0.4765081	Incl.	24.75129	+0.31660893			-0.20901852
P	6.45	H	17.0	G	0.15		

From 17 observations 1992 Dec. 1-1993 Jan. 1.

1992 XB = 1962 CB = 1976 SE11 = 1987 YL2 = 1991 NZ3

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Nakano

M	31.01211		(2000.0)		P		Q
n	0.18790237	Peri.	140.23376	+0.77009610			-0.61379104
a	3.0188941	Node	258.50240	+0.53082373			+0.76767365
e	0.2523179	Incl.	10.21702	+0.35380527			+0.18422194
P	5.25	H	12.4	G	0.15		

Residuals in seconds of arc

620204	760	1.3-	1.6-	910710	809	1.1+	1.2-	921123	385	1.0+	0.5+
620204	760	1.5+	1.1-	910710	809	1.5+	1.1-	921123	385	0.0	0.4+
760923	033	1.8-	0.4+	910710	809	1.9+	1.2-	921126	885	2.2+	0.1-
760924	033	0.9+	0.8+	910711	809	0.5+	0.1-	921126	885	1.6+	0.0
871220	010	0.8-	2.2-	910711	809	0.4+	0.0	921203	885	0.8+	0.8-
871220	010	1.6-	0.6-	910711	809	0.8+	0.1+	921203	885	0.7+	0.7+
871220	010	1.6-	0.0	910712	809	1.8-	1.1-	921204	894	1.9-	1.6-
910708	809	1.0+	0.7-	910712	809	1.8-	0.9-	921204	894	2.5-	1.6-
910708	809	0.9+	0.8-	910712	809	1.6-	0.9-				

1992 XD = 1972 EF = 1979 YG3

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Nakano

M	34.44176		(2000.0)		P		Q
n	0.22591684	Peri.	115.65745	+0.81812166			-0.57009356
a	2.6699532	Node	279.18620	+0.49645805			+0.76631325
e	0.1844676	Incl.	4.37475	+0.29018329			+0.29623865
P	4.36	H	12.7	G	0.15		

Residuals in seconds of arc

720314	095	0.2+	0.4+	921204	896	2.1+	1.1-	921229	896	0.9+	2.2+
791224	095	0.1-	3.2-	921204	896	0.7+	0.1-	921229	896	0.0	1.1+
921126	896	1.8-	0.0	Y	921215	896	2.3-	1.2+			
921126	896	0.0	0.3-	921215	896	0.1+	0.3+				

1992 XF = 1962 CD = 1980 PC4 = 1983 BJ

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Nakano

M	304.23893		(2000.0)		P		Q
n	0.18676391	Peri.	222.45960	-0.76311329			-0.62118946
a	3.0311499	Node	278.25871	+0.63071737			-0.65571465
e	0.0916243	Incl.	10.37806	+0.14090315			-0.42914094
P	5.28	H	12.0	G	0.15		

Residuals in seconds of arc

620204	760	1.3+	1.5+	830122	688	1.4-	0.3+	921215	399	1.4+	2.5+
620204	760	0.5-	0.2+	830215	688	0.1-	2.2-	921215	399	1.6-	0.4-
800804	675	0.6+	1.2-	830215	688	0.5-	1.9-	921217	399	0.4-	0.8-
800805	675	0.3+	0.9-	921121	400	2.0+	0.0	921217	399	1.6-	0.1+
830122	688	0.2+	0.3-	921121	400	0.4+	0.9-				

1992 YL = 1969 VW1 = 1982 BV

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	72.51373		(2000.0)		P		Urata		Q
n	0.17526175	Peri.	286.97085			+0.95735459			-0.09647276
a	3.1623599	Node	79.21257			+0.21073571			+0.87799157
e	0.1857196	Incl.	16.09507			-0.19764275			+0.46885372
P	5.62	H	11.4		G	0.15			

Residuals in seconds of arc

691115	095	0.0	0.0	921223	885	0.4-	0.5+	930102	885	0.2+	0.0
820118	688	0.4+	0.2+	921223	885	2.5-	0.1-	930102	885	0.0	0.5+
820118	688	0.0	1.4-	921224	885	1.2+	0.4-				
820120	095	0.4-	1.0+	921224	885	1.4+	0.3-				

1992 YV2 = 1951 YE = 1975 BO1 = 1987 WG1

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	47.73442		(2000.0)		P		Nakano		Q
n	0.21790126	Peri.	145.30837			+0.62508175			-0.75354890
a	2.7350350	Node	265.11996			+0.66190468			+0.64994121
e	0.1364883	Incl.	11.78859			+0.41370882			+0.09869390
P	4.52	H	11.9		G	0.15			

Residuals in seconds of arc

511222	711	0.1+	1.1+	Y	921226	385	0.0	1.1+	930102	385	1.1+	1.6-
750116	330	0.4+	1.1+		921226	385	0.5-	0.4+	930102	385	1.7-	1.4-
871119	675	3.9+	0.3-		921229	881	0.4+	0.4-				
871120	675	3.8-	0.2-		921229	881	0.2+	0.1+				

1992 YA3 = 1954 SG1 = 1965 UO = 1977 BK = 1983 EE1 = 1986 TL11 = 1987 YS2
= 1990 HF2 = 1991 RS29

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	29.48372		(2000.0)		P		Ichikawa		Q
n	0.18740686	Peri.	159.78210			+0.16003461			-0.97512461
a	3.0242131	Node	280.76729			+0.88284256			+0.21089247
e	0.0610513	Incl.	8.98140			+0.44156306			-0.06823748
P	5.26	H	11.1		G	0.15			

Residuals in seconds of arc

540927	760	0.3+	0.5+		900427	413	1.3+	0.8-	921226	877	0.5-	0.0
540927	760	1.1-	0.3+		900427	413	0.7-	0.5-	921229	877	(4.8+	1.7+)
651028	760	(90.3-	0.2+)	X	900430	413	0.2+	0.7-	921229	877	1.8+	0.7+
770120	095	(5.6+	6.9+)		910912	675	0.0	0.1-	921230	385	0.1-	0.3+
830314	095	1.1-	0.9-		910912	675	0.1+	0.7-	921230	385	0.5-	0.5+
861003	095	1.4+	1.1-		910916	675	0.4+	1.1-	921231	385	1.0+	0.2+
871220	010	0.0	1.8-		910916	675	0.1-	0.2+	921231	385	1.1-	0.9-
871220	010	1.6+	1.4-		921226	877	2.4-	1.3+				

1992 YD3

Epoch 1992 Dec. 24.0 TT = JDT 2448980.5

M	2.54420		(2000.0)		P		Marsden		Q
n	0.78300023	Peri.	173.59126			+0.02354152			-0.89095038
a	1.1658109	Node	274.36179			+0.89585095			+0.22013930
e	0.1369707	Incl.	27.05254			+0.44373064			-0.39717264
P	1.26	H	26.0		G	0.15			

From 12 observations 1992 Dec. 27.

4592 P-L = 1992 SW20

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	49.01022		(2000.0)			P		Marsden					
								Q					
n	0.21532493	Peri.	160.64102			+0.77460827		+0.63165162					
a	2.7568079	Node	160.08443			-0.59179773		+0.74154346					
e	0.1761882	Incl.	5.32205			-0.22306384		+0.22611838					
P	4.58	H	14.5			G	0.15						

Residuals in seconds of arc

600924	675	0.5-	0.0	601022	675	0.4-	1.3-	920922	809	0.1-	0.5+
600926	675	0.3+	0.3+	601025	675	0.4+	0.3-	920923	809	0.2-	0.2-
600927	675	0.2+	0.4-	601026	675	0.2-	0.9+	920923	809	0.2+	0.8-
600928	675	0.1+	0.2+	920922	809	0.5+	0.9+	920923	809	0.3-	0.4-
601017	675	0.1+	0.6+	920922	809	0.1-	0.1-				

5004 P-L = 1992 UD4

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	62.53563		(2000.0)			P		Nakano					
								Q					
n	0.18698144	Peri.	121.27610			+0.86332066		+0.49597579					
a	3.0287986	Node	209.29615			-0.50301485		+0.83083273					
e	0.2278574	Incl.	10.97953			-0.04066323		+0.25243811					
P	5.27	H	12.2			G	0.15						

Residuals in seconds of arc

600924	675	0.4-	0.2+	601026	675	0.1-	0.4-	921028	400	0.2-	0.3+
601017	675	1.2+	0.9-	921026	400	0.3-	1.0-	921121	400	2.1-	0.2+
601022	675	0.4-	0.2+	921026	400	0.4+	0.6+	921121	400	2.1+	0.2-
601025	675	0.4-	1.0+	921028	400	0.2+	0.1+				

6783 P-L = 1992 SR21

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	6.99474		(2000.0)			P		Marsden					
								Q					
n	0.21548245	Peri.	356.55771			+0.93287937		-0.35801562					
a	2.7554643	Node	24.53609			+0.33269764		+0.81444863					
e	0.1674405	Incl.	5.45936			+0.13801582		+0.45661608					
P	4.57	H	15.5			G	0.15						

Residuals in seconds of arc

600924	675	0.0	0.4+	601022	675	0.4-	0.3+	920923	809	0.3+	0.0
600926	675	0.6-	0.3-	601026	675	0.4+	0.1-	920923	809	0.6-	0.3-
600927	675	0.2-	0.1+	920922	809	1.7+	1.0+	920923	809	0.5-	0.0
600928	675	0.7+	0.0	920922	809	0.6-	0.7-				
601017	675	0.1-	0.3-	920922	809	0.3-	0.0				

1213 T-1 = 1980 TZ8 = 1984 YQ2 = 1991 OP

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M	101.06969		(2000.0)			P		Williams					
								Q					
n	0.26315082	Peri.	165.13230			+0.96749380		-0.24955624					
a	2.4117534	Node	209.41680			+0.22268356		+0.91742975					
e	0.2145398	Incl.	4.78329			+0.11986567		+0.30991020					
P	3.75	H	14.0			G	0.15						

Residuals in seconds of arc

710324	675	0.1+	1.0-	710416	675	1.4+	1.5+	910716	675	0.3+	1.0-
710325	675	0.5+	0.1-	710513	675	0.1-	0.2+	910718	675	0.6+	0.2+
710325	675	0.5-	1.2-	710514	675	0.4-	0.4+	910718	675	0.6+	1.1+
710326	675	0.0	0.9+	801013	095	0.3-	1.1+	910914	675	0.5-	0.5-
710327	675	(0.5-	2.7+)	841223	095	0.1+	1.6-	910914	675	0.4-	0.4-
710402	675	1.0-	0.7-	841227	095	(15.7-	3.5-)				
710416	675	(0.0	3.8-)	910716	675	0.0	1.2-				

2258 T-1 = 1930 TB = 1957 TG = 1992 WX3

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 60.99572		(2000.0)		P		Urata			
						Q			
n	0.25565030	Peri.	331.83327	+0.99768741		+0.01641351			
a	2.4586979	Node	27.46574	+0.01957701		+0.85988817			
e	0.2446895	Incl.	8.22193	-0.06508896		+0.51021851			
P	3.86	H	13.1	G	0.15				

Residuals in seconds of arc

301003	012(24.7-	52.5-)X	710327	675	1.4-	0.2+	921126	885	1.2+	1.1-	
571002	760	0.2-	0.3+	710402	675	(3.3+	0.2-)	921126	885	0.3-	0.4+
710324	675	(3.6-	0.4-)	710416	675	1.9+	0.3-	921223	885	0.2+	1.0+
710325	675	2.3-	0.8+	710416	675	2.2+	0.8-	921223	885	0.2-	0.4-
710325	675	0.5-	0.1+	921124	885	0.6-	0.6+				
710326	675	0.5+	0.3+	921124	885	0.4-	0.4-				

3036 T-1 = 1985 SU5 = 1985 UD6

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

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 307.38754		(2000.0)		P		Williams			
						Q			
n	0.23067057	Peri.	105.33234	+0.52274737		+0.85052976			
a	2.6331439	Node	196.56809	-0.83902486		+0.50131997			
e	0.2202338	Incl.	11.68314	-0.15090549		+0.15898875			
P	4.27	H	13.5	G	0.15				

Residuals in seconds of arc

710324	675	0.3+	0.4-	710327	675	1.7-	2.1+	710514	675	0.8-	0.3-
710325	675	0.9+	0.5+	710402	675	0.1+	0.3-	850921	095	1.1+	1.0-
710326	675	0.2+	0.7-	710416	675	0.0	0.8-	851018	095	0.9-	0.0
710326	675	0.1-	0.1-	710416	675	0.2+	1.3-				
710327	675	(4.1+	1.6-)	710513	675	0.5+	0.2+				

3057 T-1 = 1977 XA3 = 1991 EK7

Id. S. J. Bus (k, MPC 20831), G. V. Williams

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 71.64459		(2000.0)		P		Williams			
						Q			
n	0.24515203	Peri.	41.96689	+0.05095744		+0.99814802			
a	2.5283996	Node	230.98129	-0.92728922		+0.03493376			
e	0.0447873	Incl.	2.45091	-0.37086122		+0.04980131			
P	4.02	H	14.5	G	0.15				

Residuals in seconds of arc

710324	675	1.2+	1.1-	710402	675	0.1-	1.4-	771207	675	0.6-	0.2-
710325	675	1.5+	0.3+	710416	675	0.9-	1.4-	771208	675	0.5+	0.2+
710326	675	0.4+	0.4-	710416	675	2.0-	0.7+	910312	809	0.8-	0.2+
710326	675	0.4-	0.5-	710513	675	0.0	1.4+	910312	809	0.1+	0.2+
710327	675	0.3-	1.1+	710514	675	0.3+	0.8+	910312	809	1.0+	0.2+

3219 T-1 = 1992 OX2

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

M 105.08488		(2000.0)		P		Marsden			
						Q			
n	0.28989650	Peri.	272.21515	-0.44468719		+0.89516753			
a	2.2610356	Node	331.31962	-0.79447645		-0.40991907			
e	0.1277951	Incl.	3.64007	-0.41359457		-0.17504700			
P	3.40	H	15.5	G	0.15				

Residuals in seconds of arc

710326	675	0.4+	0.2+	710416	675	1.2+	1.5+	920726	809	2.2+	0.6+
710326	675	0.1-	0.8-	710416	675	0.2-	0.6-	920730	809	0.3+	0.4-
710327	675	0.4-	0.7+	710416	675	1.7-	0.5+	920730	809	0.7-	0.2+
710402	675	0.1+	0.4-	920726	809	1.2-	0.3-	920730	809	0.7-	0.3+
710416	675	0.7+	1.2-	920726	809	0.1+	0.4-				

3286 T-1 = 2019 T-2

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	338.04337		(2000.0)		P		Q
n	0.21803998	Peri.	129.38737		-0.72197773		-0.69134910
a	2.7338748	Node	7.03866		+0.54350645		-0.59170740
e	0.1226305	Incl.	13.21357		+0.42819258		-0.41463088
P	4.52	H	14.5	G	0.15		

Residuals in seconds of arc

710324	675	0.3+	1.1+	730924	675	0.9-	0.1+	730929	675	1.9+	2.5-
710325	675	(3.8+	3.7-)	730924	675	1.5-	0.3+	730930	675	0.9+	1.6+
710326	675	1.0+	2.1-	730924	675	0.0	0.8+	730930	675	(2.9+	1.0-)
710326	675	1.7+	2.0-	730924	675	0.5-	1.8+	730930	675	1.1+	0.4+
710327	675	1.4-	0.2-	730925	675	1.7-	1.5-	730930	675	0.8+	1.2-
710402	675	(3.6-	2.0+)	730925	675	0.2+	0.2+	731004	675	1.4+	1.1-
710416	675	1.7-	0.7-	730925	675	1.7+	1.1-	731004	675	0.5+	2.2+
710416	675	1.8-	1.0+	730925	675	0.8-	0.8+	731004	675	(2.0+	3.5-)
710514	675	0.2-	0.9+	730929	675	0.9+	1.2-	731004	675	0.4-	1.2+
710516	675	0.5+	0.1+	730929	675	0.7-	0.7-	731005	675	0.0	0.9-
730919	675	0.3-	1.6+	730929	675	2.3+	1.3-	731005	675	1.6-	0.9+
730919	675	0.7-	1.5-	730929	675	1.1+	1.8-	731005	675	0.8-	1.3-
730920	675	1.0-	2.0+	730929	675	0.2-	0.0	731005	675	(2.8-	1.1+)

4260 T-1 = 1990 BD4 = 1991 FK6 = 1991 HX1

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	243.97189		(2000.0)		P		Q
n	0.19802961	Peri.	324.93456		+0.28200386		-0.95817362
a	2.9150721	Node	108.64253		+0.89158554		+0.24296023
e	0.0559835	Incl.	2.94949		+0.35432901		+0.15124031
P	4.98	H	13.5	G	0.15		

Residuals in seconds of arc

710324	675	0.1+	0.3+	710416	675	1.7+	0.4-	910327	809	2.0-	2.8+
710326	675	1.3-	0.0	710513	675	0.4+	0.5+	910327	809	0.6+	1.5+
710326	675	0.8-	0.5+	710514	675	0.2-	0.1+	910327	809	3.2+	0.0
710327	675	2.1-	1.6-	710516	675	1.2+	0.4+	910419	809	0.0	0.8-
710402	675	0.0	0.5-	900124	033	0.8-	0.2+	910419	809	0.2+	1.5-
710416	675	0.9+	0.2-	900124	033	0.8+	0.2-	910419	809	1.6-	1.1-

4321 T-1 = 1986 TG7

Id. G. V. Williams (MPC 19327)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	87.74569		(2000.0)		P		Q
n	0.23241953	Peri.	75.90351		-0.71429191		-0.69879040
a	2.6199176	Node	59.74974		+0.62369854		-0.66053701
e	0.1529868	Incl.	2.55169		+0.31747001		-0.27455935
P	4.24	H	14.0	G	0.15		

Residuals in seconds of arc

710324	675	0.7+	0.4-	710416	675	0.2-	1.5+	861008	675	0.4+	1.1+
710326	675	0.3+	1.2-	710416	675	1.1+	1.5+	911014	691	0.3+	0.2+
710326	675	0.5-	1.0-	861007	675	0.8+	0.1-	911014	691	0.0	0.5-
710327	675	0.4-	0.8-	861007	675	0.5+	0.3+	911014	691	0.4-	0.1+
710402	675	0.7-	1.4+	861008	675	2.0-	0.2-				

4862 T-1 = 1978 TK2 = 1980 FN6 = 1987 SV9 = 1989 EM1 = 1992 WO1

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Nakano

M	331.09196		(2000.0)		P		Q
n	0.21575489	Peri.	292.44692		-0.46613665		-0.88451567
a	2.7531441	Node	185.44794		+0.86669561		-0.45230437
e	0.1968101	Incl.	11.34247		+0.17763826		-0.11424880
P	4.57	H	12.7	G	0.15		

Residuals in seconds of arc

710416	675	1.5+	1.4-	800323	809	0.4-	0.3-	921117	400	0.0	0.5-
710416	675	0.3+	1.7-	870921	071	0.4-	0.9-	921117	400	1.0-	0.1-
710513	675	0.9-	0.3+	870921	071	1.5+	2.4-	921118	400	0.9-	0.3-
710514	675	1.1-	0.4-	890308	897	2.4+	1.5-	921118	400	1.0-	0.7-
710516	675	2.2-	1.5-	890308	897	0.9+	0.5-	921216	400	0.5+	0.5+
781003	095	0.8+	0.1+	890315	897	1.3-	0.3-	921216	400	0.8+	0.1-
781007	095	0.5+	0.5-	890315	897	0.6-	2.6+				

1167 T-2 = 1978 VA7

Id. H. Kaneda (MPC 16589)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

				Williams	
M			(2000.0)	P	Q
n	0.22347779	Peri.	201.13649	+0.14985960	-0.98849520
a	2.6893447	Node	240.24977	+0.91047079	+0.14604651
e	0.0406332	Incl.	1.35154	+0.38546729	+0.03934035
P	4.41	H	15.5	G	0.15

Residuals in seconds of arc

730919	675	0.5+	1.3+	730929	675	0.4-	0.3+	781106	675	2.1+	0.2-
730924	675	0.8-	0.1-	730930	675	0.4-	0.3-	781107	675	0.3-	0.6+
730924	675	0.3-	0.5+	730930	675	0.8+	0.3-	781108	675	0.5-	0.6-
730925	675	(3.0+	2.7+)	731004	675	1.9+	2.1-	911107	691	0.1-	0.6+
730925	675	1.3-	0.8+	731004	675	(3.3+	1.8-)	911107	691	0.2-	0.1-
730929	675	0.2+	0.6-	781105	675	1.3-	0.5-	911107	691	0.1+	0.5+

2108 T-2 = 1987 QB3

Id. T. Kobayashi (MPC 15425)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

				Williams	
M			(2000.0)	P	Q
n	0.27754306	Peri.	110.34838	+0.65028562	+0.75946965
a	2.3276399	Node	200.24896	-0.71522545	+0.60393211
e	0.1041136	Incl.	3.02901	-0.25608820	+0.24180957
P	3.55	H	15.0	G	0.15

Residuals in seconds of arc

730919	675	0.5-	0.5-	730930	675	1.4+	0.5-	870828	809	(3.4-	0.8-)
730919	675	0.3+	0.4+	730930	675	1.0+	0.5-	870828	809	2.4-	0.4+
730920	675	2.1-	1.3-	731004	675	1.8+	0.3-	870828	809	1.7-	0.6-
730924	675	1.1-	1.3+	731004	675	1.5+	1.5-	870829	809	2.7+	1.0+
730924	675	0.2-	1.1+	731005	675	0.7+	0.8-	870829	809	2.8+	1.5+
730925	675	1.7-	0.4+	731005	675	0.2+	0.3-	870829	809	(4.1+	2.7+)
730925	675	1.9-	0.5+	870827	809	1.1-	0.7-	911105	691	0.5+	0.3+
730929	675	0.4+	0.2+	870827	809	1.1-	0.4-	911105	691	0.6-	0.6+
730929	675	0.5+	0.4+	870827	809	0.6+	0.4-	911105	691	0.2-	0.2+

5148 T-2 = 1987 SS14

Id. S. Nakano (MPC 15259)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

				Williams	
M			(2000.0)	P	Q
n	0.28288276	Peri.	39.39336	+0.97682457	+0.19608457
a	2.2982559	Node	309.08360	-0.21343794	+0.86226370
e	0.2168667	Incl.	6.34742	-0.01606224	+0.46696055
P	3.48	H	14.5	G	0.15

Residuals in seconds of arc

730919	675	(8.1+	0.0)	730924	675	0.3-	0.2+	730929	675	1.4-	1.1+
730920	675	2.1+	0.8-	730925	675	1.3-	0.1+	730930	675	1.1+	0.4+
730920	675	(5.0+	1.1-)	730925	675	1.9-	1.7+	730930	675	0.8+	0.5-
730924	675	0.3+	0.5-	730929	675	1.7-	0.3+	731004	675	0.2+	0.6-

731005	675	1.2+	0.6-	870925	095	0.0	0.1+	911227	691	0.1+	0.2-
731005	675	1.1+	1.0-	911227	691	0.2-	0.2+				
870923	095	0.2-	0.2+	911227	691	0.2+	0.0				

5485 T-2 = 1982 AJ

Id. T. Kobayashi (MPC 15259)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	31.19115		(2000.0)			P		Q			
n	0.26770139	Peri.	133.80874			+0.29553608		-0.95136595			
a	2.3843443	Node	298.81427			+0.84554457		+0.30285206			
e	0.0883423	Incl.	5.69559			+0.44464907		+0.05642213			
P	3.68	H	14.0			G	0.15				

Residuals in seconds of arc

730929	675	0.4+	1.4-	731005	675	0.0	0.5+	820118	046	1.0+	1.2+
730929	675	0.0	1.0-	731005	675	0.1-	0.9+	820118	046	(4.4-	0.6-)
730930	675	0.9+	0.0	820115	046	2.4-	0.9-	910805	809	0.4+	0.4-
730930	675	1.3+	0.2+	820115	046	0.3-	0.1+	910805	809	0.3+	0.1-
731004	675	0.5-	1.0+	820116	046	0.5-	1.0-	910805	809	0.4-	0.2-
731004	675	2.0-	0.1-	820116	046	1.9+	0.1-				

5490 T-2 = 1991 LS2

Id. H. Kaneda (MPC 18834)

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Williams

M	100.84400		(2000.0)			P		Q			
n	0.26430684	Peri.	76.06081			+0.75610941		+0.64539808			
a	2.4047160	Node	243.62453			-0.63741879		+0.68870604			
e	0.1255752	Incl.	6.95232			-0.14830997		+0.33037148			
P	3.73	H	15.0			G	0.15				

Residuals in seconds of arc

730930	675	0.3+	0.6-	910606	809	0.1+	0.6-	921124	691	0.6+	0.5+
730930	675	1.2+	0.8-	910606	809	0.6-	1.0-	921124	691	0.2+	0.2-
731004	675	0.0	0.8+	910606	809	0.1+	0.3+	921124	691	0.0	0.5-
731004	675	1.1-	0.5+	910608	809	0.5+	0.6+	921124	691	0.5-	0.1-
731005	675	0.3-	0.5+	910608	809	0.1-	0.0	921124	691	0.1-	0.2+
731005	675	0.1-	0.3-	910608	809	0.0	0.5+	921124	691	0.1-	0.4-

1189 T-3 = 1992 ON6

Epoch 1993 Jan. 13.0 TT = JDT 2449000.5

Marsden

M	51.58527		(2000.0)			P		Q			
n	0.25803213	Peri.	12.68587			+0.56933955		+0.81954347			
a	2.4435441	Node	292.05305			-0.76024145		+0.49485517			
e	0.2019408	Incl.	4.01005			-0.31286644		+0.28890634			
P	3.82	H	15.5			G	0.15				

Residuals in seconds of arc

771012	675	1.3+	0.2+	771017	675	1.4-	0.4-	920730	809	1.2+	0.1-
771012	675	0.8-	0.6+	771017	675	0.3+	0.3+	920730	809	0.2+	0.2+
771012	675	2.0+	0.5-	771017	675	1.8-	0.9-	920730	809	0.3-	0.4-
771012	675	0.0	0.2+	771017	675	0.3+	1.8+	920731	809	0.0	0.3+
771016	675	2.4-	1.5-	771021	675	0.9+	0.6-	920731	809	0.7-	0.1+
771016	675	0.5+	1.5-	771021	675	1.7+	0.3-	920731	809	0.4-	0.1-
771016	675	0.5-	1.1+	771022	675	0.7+	1.1+				
771016	675	0.1+	0.1-	771022	675	0.7-	0.3+				

NEW NAMES OF MINOR PLANETS.

(2211) Hanuman = 1951 WO2

Discovered 1951 Nov. 26 by L. E. Cunningham at Mount Wilson.

Named for the monkey-god in the mythology of India. Son of Vayu, Hanuman was gifted with almost unlimited physical strength, powerful virility and total chastity, a combination that made him the perfect worshipper of Rama. After a great victory, Rama gave a necklace of fine pearls to Hanuman, who proceeded to break them apart one after another with his teeth. After inspection Hanuman threw away the pieces. "They do not contain the name of Rama", he declared, "and have no value." Then he tore open his own chest, and on his heart in letters of flame stood out the name of Rama. Named by the Minor Planet Names Committee following a suggestion by F. Pilcher.

(2242) Balaton = 1936 TG

Discovered 1936 Oct. 13 by G. Kulin at Budapest.

Named for the largest lake in Hungary, located in the western part of the country. Named by the Minor Planet Names Committee following a suggestion by F. Pilcher.

(2272) Montezuma = 1972 FA

Discovered 1972 Mar. 16 by T. Gehrels at Palomar.

Named in honor of the ninth emperor of the Aztec empire, who reigned 1502-1520. He believed that his land rightly belonged to the serpent god Quetzalcoatl, who one day would return from the East. When the first Spanish invaders landed in Central America, Montezuma interpreted them as the followers of Quetzalcoatl returning. After only feeble negotiation, he allowed Cortez to occupy his capital city peacefully and rule through him. During Cortez' temporary absence hostilities developed between Spaniards and Aztecs in which Montezuma was among the first killed. Named by the Minor Planet Names Committee following a suggestion by F. Pilcher.

(2275) Cuitlahuac = 1979 MH

Discovered 1979 June 16 by H.-E. Schuster at La Silla.

Named in honor of the tenth emperor of the Aztec empire, who reigned briefly in 1520. Brother of Montezuma, he was released from captivity by Cortez to negotiate a dispute. Immediately he rallied the Aztecs to battle the Spaniards. After many days of fierce fighting in which thousands of Aztec warriors were killed, Cuitlahuac drove Cortez from the city with the loss of over half his men and all his treasure. Within a few months Cuitlahuac and uncounted thousands of his fellow Aztecs died from smallpox brought by an occupying Spanish soldier. Named by the Minor Planet Names Committee following a suggestion by F. Pilcher.

(2307) Garuda = 1957 HJ

Discovered 1957 Apr. 18 at La Plata.

Named for a son of the sage Kasyapa and Vinata in the mythology of India. Vinata laid two eggs, and after a thousand years one hatched into Garuda. He symbolizes aspiration to spiritual truth on the higher planes, and feels hatred toward the serpents who are guardians of spiritual truth on the material and terrestrial planes. He was the mount chosen by Vishnu, protector and conservator of the universe. Named by the Minor Planet Names Committee following a suggestion by F. Pilcher.

(2313) Aruna = 1976 TA

Discovered 1976 Oct. 15 by H. L. Giclas at the Anderson Mesa station of the Lowell Observatory.

Named for a son of the sage Kasyapa and Vinata in the mythology of India. Vinata laid two eggs. When after five hundred years neither had hatched, she broke one open to find Aruna with only his upper half developed. He went into the sky to become the red glow of dawn, where ever since he has driven the sun's chariot each morning. Named by the Minor Planet Names Committee following a suggestion by F. Pilcher.

(2347) Vinata = 1936 TK

Discovered 1936 Oct. 7 by H. L. Giclas at the Anderson Mesa station of the Lowell Observatory.

Named for a daughter of Prajapati and wife of the sage Kasyapa in the mythology of India. She laid only two eggs, while her sister and Kasyapa's other wife laid a thousand. After five hundred years her sister's eggs hatched into serpents. Jealous and impatient, she broke the shell of one of her two eggs to find Aruna inside with only his upper half developed. The second egg hatched into Garuda, who had such spiritual purity as to exceed that of all his thousand half-brothers. Named by the Minor Planet Names Committee following a suggestion by F. Pilcher.

(2415) Ganesa = 1978 UJ

Discovered 1978 Oct. 28 by H. L. Giclas at the Anderson Mesa station of the Lowell Observatory.

In the mythology of India, Ganesa is the son of Siva and Parvati, who represents the call to spiritual power. Soon after birth he glanced at the god Sani, who symbolizes obstacles, and the baby's head was reduced to ashes. His head was then replaced with the head of Indra's elephant, Airavata. He procures wealth and encourages the success of all enterprises, and is much revered by the merchant class. Named by the Minor Planet Names Committee following a suggestion by F. Pilcher.

(2449) Kenos = 1978 GC

Discovered 1978 Apr. 8 by W. Liller at Cerro Tololo.

Named for the first man in the mythology of the native Americans of Tierra del Fuego, sent by the Supreme Being to bring order into the world. He created the human race by using peat to make male and female organs, taught them language and instructed them in rules to fashion a harmonious society. Named by the Minor Planet Names Committee following a suggestion by F. Pilcher.

(2491) Tvashtri = 1977 CB

Discovered 1977 Feb. 15 by W. Sebok at Palomar.

Named for the carpenter in the mythology of India, the divine power for construction in the world. He molds all forms and assembles the pieces, and has given to earth and sky the marvelous variety of their forms. Named by the Minor Planet Names Committee following a suggestion by F. Pilcher.

(2546) Libitina = 1950 FC

Discovered 1950 Mar. 23 by E. L. Johnson at Union Observatory, Johannesburg.

Named for an ancient Roman divinity who presided over the burial of the dead. Roman poets frequently employed her name to mean death itself. Named by the Minor Planet Names Committee following a suggestion by F. Pilcher.

(2594) Acamas = 1978 TB

Discovered 1978 Oct. 4 by C. T. Kowal at Palomar.

Named for a commander of the Thracians who allied themselves with the Trojans in order to fight the Greeks. Named by the Minor Planet Names Committee following a suggestion by F. Pilcher.

(2661) Bydzovsky = 1982 FC1

Discovered 1982 Mar. 23 by Z. Vavrova at Klet.

Named in honor of Academician Bohumil Bydzovsky (1880-1969), professor of mathematics and chancellor of the Charles University in Prague. He was born in the small town of Veseli nad Luznici in southern Bohemia and became its most eminent citizen.

(2896) Preiss = 1931 RN

Discovered 1931 Sept. 15 by K. Reinmuth at Heidelberg.

Named in honor of Gunter Preiss (1929-) on the occasion of his retirement in 1992 from the position of lawyer and administrator of the Max-Planck-Society. He earned great merit through his involvement in the construction and development of the Max-Planck-Institut in Heidelberg and also at its observatory at Calar Alto in southern Spain. The same holds true for his involvement in the Institut fur Radioastronomie in Bonn. Name proposed and citation prepared by H. Elsasser, endorsed by G. Klare and L. D. Schmadel.

(2942) Cordie = 1932 BG

Discovered 1932 Jan. 29 by K. Reinmuth at Heidelberg.

Named in honor of Cordula (Cordie) Astrid Robinson, planetary geologist at the Harvard-Smithsonian Center for Astrophysics. Cordula gained her Ph.D. from University College, London, studying the crustal dichotomy of Mars, and she is currently using Magellan data to investigate the surface electrical properties on Venus with respect to geochemical and weathering processes. Name proposed by C. M. Bardwell, who found the identifications for this planet, following a suggestion by G. V. Williams.

(2943) Heinrich = 1933 QU

Discovered 1933 Aug. 25 by K. Reinmuth at Heidelberg.

Named in honor of Inge Heinrich (1941-), astronomer at the Astronomisches Rechen-Institut Heidelberg and editor of "Astronomy and Astrophysics Abstracts". Her ever-lasting dedication and profound knowledge of the astronomical literature significantly contribute to the worldwide reputation of this bibliography. Name proposed and citation prepared by L. D. Schmadel.

(3028) Zhangguoxi = 1978 TA2

Discovered 1978 Oct. 9 at the Purple Mountain Observatory.

Named in honor of Zhang Guoxi, Chinese industrialist, for his contributions to social welfare and public education.

(3096) Bezruc = 1981 QC1

Discovered 1981 Aug. 28 by Z. Vavrova at Klet.

Named in honor of Petr Bezruc (1867-1958), popular Silesian poet.

(3136) Anshan = 1981 WD4

Discovered 1981 Nov. 18 at the Purple Mountain Observatory.

Named for the city, known as the "Steel Metropolis", in the Liaodong peninsula. The largest iron and steel producer in China, Anshan is rich in natural resources and is an industrial center.

(3171) Wangshouguan = 1979 WO

Discovered 1979 Nov. 19 at the Purple Mountain Observatory.

Named in honor of Wang Shouguan, member of the Chinese Academy of Sciences and an unfailing friend of the discoverers. Wang has contributed to the development of modern Chinese astronomy and has served as chief editor of Acta Astrophysica Sinica since its inception. He is also an

honorary president of the Chinese Astronomical Society and honorary director of Beijing Observatory.

(3298) Massandra = 1979 OB15

Discovered 1979 July 21 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Named for a suburb of Yalta, a beautiful site noted for its production of the finest Crimean wines.

(3405) Daiwensai = 1964 UQ

Discovered 1964 Oct. 30 at the Purple Mountain Observatory.

Named in memory of Dai Wensai (1911-1979), one of the founders of modern astronomy in China, and director of the astronomy department at Nanjing University from 1955 to 1979. He worked on stellar spectroscopy, stellar astronomy and the origin of the solar system.

(3502) Huangpu = 1964 TR1

Discovered 1964 Oct. 9 at the Purple Mountain Observatory.

Named for Huangpu district, located in the center of Shanghai. It is a center for commercial and financial business, as well as foreign trade and culture.

(3858) Dorchester = 1986 TG

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

Named for the county town of Dorset, England. Founded by the Romans in A.D. 70, Dorchester was made the twin town of Holbaek, Denmark, the nearest town to the observatory at Brorfelde. Name proposed by the third discoverer.

(3878) Jyoumon = 1982 VR4

Discovered 1982 Nov. 14 by H. Kosai and K. Hurukawa at Kiso.

Named for the Jyoumon Era, from the eighth to the third centuries B.C., when the early Japanese people used a special type of pottery with rope-print decoration.

(4072) Yayoi = 1981 UJ4

Discovered 1981 Oct. 30 by H. Kosai and K. Hurukawa at Kiso.

Named for the Yayoi Era, from the third century B.C. to the fourth century A.D., when the Japanese began to be influential beyond Asia.

(4077) Asuka = 1982 XV1

Discovered 1982 Dec. 13 by H. Kosai and K. Hurukawa at Kiso.

Named for the Asuka Era, from the fifth and sixth centuries, when the capital was in the Asuka area in the central part of Japan.

(4115) Peternorton = 1982 QS3

Discovered 1982 Aug. 29 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Named in honor of Peter Norton, internationally known programmer and expert on personal computers, creator of many service programs for the PC and author of several books on the subject. He is also known as a lover of the arts, a collector of modern art and a sponsor for many young artists.

(4124) Herriot = 1986 SE

Discovered 1986 Sept. 29 by Z. Vavrova at Klet.

Named in honor of James Herriot (1916-), veterinarian and writer.

(4142) Dersu-Uzala = 1981 KE

Discovered 1981 May 28 by Z. Vavrova at Klet.

Named after an inhabitant of Siberian Taiga and the character from the novel of the same name by the Russian writer Vladimir K. Arsenev. Dersu-Uzala was a member of the Goldy tribe and he became a friend of Arsenev's during 1902-1910.

(4199) Andreev = 1983 RX2

Discovered 1983 Sept. 1 by H. Debehogne at the European Southern Observatory.

Named in honor of Gennadij Andreev and his family. A professor of celestial mechanics at the University of Tomsk, Andreev is one of the leaders of the expeditions that regularly go to unravel the mysteries of the Tunguska event of 1908.

(4317) Garibaldi = 1980 DA1

Discovered 1980 Feb. 19 by Z. Vavrova at Klet.

Named in memory of Giuseppe Garibaldi (1807-1882), fighter for human rights and hero of many battles.

(4781) Sladkovic = 1980 TP

Discovered 1980 Oct. 3 by Z. Vavrova at Klet.

Named in honor of Andrej Sladkovic (1820-1872), Slovak poet and author of the poem "Marina".

(4812) Hakuhou = 1977 DL3

Discovered 1977 Feb. 18 by H. Kosai and K. Hurukawa at Kiso.

Named for the Hakuhou Era, from the seventh and eighth centuries, when the influence of Buddhism in Japan was very high.

(4855) Tenpyou = 1982 VM5

Discovered 1982 Nov. 14 by H. Kosai and K. Hurukawa at Kiso.

Named for the Tenpyou Era, from the eighth century, when the Japanese capital was at Nara and many grand Buddhist temples were built.

(4927) O'Connell = 1982 UP2

Discovered 1982 Oct. 21 by Z. Vavrova at Klet.

Named for the Irish freedom fighter Daniel O'Connell (1775-1847).

(4931) Tomsk = 1983 CN3

Discovered 1983 Feb. 11 by H. Debehogne and G. De Sanctis at the European Southern Observatory.

Named by the first discoverer in honor of the Siberian city and its 500 000 inhabitants.

(4985) Fitzsimmons = 1979 QK4

Discovered 1979 Aug. 23 by C.-I. Lagerkvist at the European Southern Observatory.

Named after Alan Fitzsimmons, who works on the relationships between minor planets and comets and has collaborated with the discoverer for several years. His enthusiasm and good spirit when observing on La Palma has always been very much appreciated by the discoverer.

(5137) Frevert = 1990 VC

Discovered 1990 Nov. 8 by J. M. Baur at Chions.

Named in honor of Friedrich Frevert, an amateur astronomer from Wetzlar, well-known for his work on astrometric observations and on mathematical methods of reduction in photographic astrometry. For many years he was the chief of the Vereinigung der Sternfreunde in Germany. In

1965 he established the Astronomical Group in Wetzlar and later organized a very successful Minor Planet Working Group of amateur astronomers.

(5160) Camoes = 1979 YO

Discovered 1979 Dec. 23 by H. Debehogne and E. Netto at the European Southern Observatory.

Named in memory of Luiz de Camoes (Camoens, 1524-1580), the greatest of the Portuguese poets, whose epic *Os Lusíadas* displays an extraordinary knowledge of astronomy.

(5232) Jordaens = 1988 PR1

Discovered 1988 Aug. 14 by E. W. Elst at Haute Provence.

Named for Jacob Jordaens (1593-1678) on the 400th anniversary of his birth. This famous Flemish painter of Antwerp was a pupil of Adam van Noort and a contemporary of P. P. Rubens. His paintings were inspired by family life and popular situations, like the joy of daily life in the villages. His well-known painting "So als de ouden songhen so pijpen de jonghen" is typically nationalistic and representative of the revival of Flemish art, putting it on an equal level with more internationalistic tendencies. Citation prepared by Kristina Leterme at the request of the discoverer.

(5239) Reiki = 1990 VC4

Discovered 1990 Nov. 14 by S. Izumikawa and O. Muramatsu at the Yatsugatake South Base Observatory.

Named in honor of Reiki Kushida, amateur astronomer and discoverer of supernova 1991bg, the first visual discovery of a supernova by a woman.

(5240) Kwasan = 1990 XE

Discovered 1990 Dec. 7 by K. Suzuki and T. Urata at Toyota.

Named for the Kyoto University's Kwasan Observatory, which is located at the top of Kwasan hill on the eastern side of Kyoto city. Kwasan Observatory was established in 1929 and is known for its observational studies of the solar system, especially of Mars, Pluto, minor planets, comets and natural satellites. Name proposed by T. Mitani, who observed this planet at Kyoto on 1953 Nov. 3.

(5312) Schott = 1981 VP2

Discovered 1981 Nov. 3 by F. Borngen at Tautenburg.

Named in memory of Friedrich Otto Schott (1851-1935), analytical chemist and glass engineer. In 1882 he founded a glass-technical laboratory and, together with E. Abbe two years later, also the Jenaer Glaswerk Schott und Genossen. Among the glass products Schott devised are filters, thermometers and the famous "Jenaer Glas".

(5313) Nunes = 1982 SC2

Discovered 1982 Sept. 18 by H. Debehogne at the European Southern Observatory.

Named in memory of Pedro Nunes, Portuguese mathematician and geographer, called "the peak figure in Portuguese nautical science". He invented the instrument later known as the vernier, and he translated *Sacrobosco* into Portuguese.

(5333) Kanaya = 1990 UH

Discovered 1990 Oct. 18 by M. Akiyama and T. Furuta at Susono.

Named for the first discoverer's native town, an old station on the ancient national road "Tokai-do", some 200 km west of Tokyo. The Malinohara tablelands to the south of this town on the west bank of the Oi river are famous as one of the largest tea fields in Japan.

(5334) Mishima = 1991 CF

Discovered 1991 Feb. 8 by M. Akiyama and T. Furuta at Susono.

Named for the first discoverer's second home, a city some 100 km west of Tokyo and famous for the great amount of clear water from Mt. Fuji, 30 km to the northwest. The city's old shrine, Mishima Taisya, is famous as the point where Yoritomo Minamoto, founder of the Kamakura shogunate, began his battle to unify the nation.

(5350) Epetersen = 1989 GL1

Discovered 1989 Apr. 3 by E. W. Elst at the European Southern Observatory.

Named in honor of Erik V. Petersen (1911-), Danish amateur astronomer, who has contributed to astronomy through his study of minor planets, especially of (51) Nemausa. During 1955-1965 Petersen used the refractor at the Copenhagen University Observatory to take 712 plates, on which he measured 2562 positions of minor planets. This is the largest single project ever carried out with that telescope. The data were used in an international collaboration, and Petersen's work received a special commendation at the IAU General Assembly in Prague in 1967. Name proposed by B. Reipurth, who prepared the citation at the request of the discoverer.

(5352) Fujita = 1989 YN

Discovered 1989 Dec. 27 by Y. Kushida and O. Muramatsu at Yatsugatake South Base Observatory.

Named in honor of Yoshio Fujita, professor emeritus of the University of Tokyo, known for his pioneering work on the spectra of late-type stars. in particular of cool, carbon stars, with his determination of the carbon isotope ratio. He served as president of the Astronomical Society of Japan during 1961-1963 and as president of IAU Commission 29 during 1970-1973. He has been a member of the Japan Academy since 1965 and of the Societe Royale des Sciences de Liege since 1969. Name proposed by the discoverers following a suggestion by T. Tsuji and Y. Yamashita.

(5375) Siedentopf = 1989 AN6

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

Named in memory of Heinrich Siedentopf (1906-1963), professor of astronomy and director of the observatories in Jena (1933-1945) and in Tübingen (1949-1963). His research activities covered stellar atmospheres, in particular the theory of convection and solar granulation, interplanetary matter, optics of the earth's atmosphere, and astronomical instruments. He introduced the iris-diaphragm method for photographic stellar photometry. Together with O. Heckmann and W. Fricke he was one of the German promoters of the European Southern Observatory. Citation prepared by H. Elsasser at the request of the discoverer.

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EPHEMERIDES.

Comet Ohshita (1992a1)						Elements MPC 21533				
Date	TT	R.	A.	(2000) Decl.	Delta	r	Elong.	Phase	m1	
1993	02	02	22	28.6	+75 31.0	1.459	1.807	93.3	33.0	15.4
1993	02	12	23	40.7	+72 29.2	1.708	1.949	88.4	30.4	16.1
1993	02	22	00	24.0	+70 04.6	1.963	2.088	83.0	28.1	16.7
1993	03	04	00	55.07	+68 24.9	2.216	2.225	77.6	25.8	17.2
1993	03	14	01	20.13	+67 22.4	2.462	2.359	72.3	23.7	17.7
1993	03	24	01	41.98	+66 49.5	2.699	2.491	67.3	21.7	18.1
1993	04	03	02	01.94	+66 39.9	2.924	2.620	62.7	19.8	18.5

1993 04 13	02 20.72	+66 48.8	3.134	2.748	58.6	18.1	18.9
1993 04 23	02 38.78	+67 12.8	3.328	2.873	55.0	16.7	19.2
1993 05 03	02 56.34	+67 49.4	3.506	2.996	52.2	15.4	19.5
1993 05 13	03 13.58	+68 36.7	3.666	3.118	50.3	14.4	19.8

1992 WR4		a,e,i = 1.96, 0.34, 5				Elements MPC 21596		
Date	TT	R. A. (2000)	Decl.	Delta	r	Elong.	Phase	V
1993 02 02	05	24.49	+11 06.6	0.573	1.406	126.9	34.1	17.4
1993 02 12	05	42.69	+12 02.3	0.650	1.438	121.6	35.8	17.8
1993 02 22	06	02.45	+12 53.9	0.736	1.474	116.6	36.9	18.2
1993 03 04	06	23.36	+13 36.0	0.830	1.512	111.9	37.5	18.5
1993 03 14	06	45.02	+14 05.1	0.932	1.552	107.3	37.7	18.8
1993 03 24	07	07.10	+14 19.6	1.042	1.594	102.8	37.6	19.1
1993 04 03	07	29.38	+14 18.9	1.158	1.636	98.4	37.2	19.4
1993 04 13	07	51.61	+14 03.2	1.279	1.680	94.0	36.6	19.6
1993 04 23	08	13.66	+13 33.3	1.406	1.723	89.6	35.7	19.9

1992 WD5		a,e,i = 1.79, 0.30, 7				Elements MPC 21596		
Date	TT	R. A. (2000)	Decl.	Delta	r	Elong.	Phase	V
1993 02 02	06	02.97	+46 24.7	0.354	1.253	132.6	35.4	15.2
1993 02 12	06	20.70	+43 37.3	0.371	1.249	127.6	38.8	15.4
1993 02 22	06	43.82	+40 19.2	0.394	1.251	123.5	41.3	15.6
1993 03 04	07	10.35	+36 37.6	0.424	1.258	119.9	43.1	15.8
1993 03 14	07	38.46	+32 40.1	0.461	1.271	116.9	44.2	16.0
1993 03 24	08	06.88	+28 34.1	0.506	1.289	114.1	44.9	16.3
1993 04 03	08	34.92	+24 26.6	0.559	1.312	111.5	45.2	16.6
1993 04 13	09	02.13	+20 23.4	0.621	1.339	108.9	45.1	16.8
1993 04 23	09	28.37	+16 28.2	0.690	1.370	106.2	44.8	17.1
1993 05 03	09	53.69	+12 43.0	0.768	1.403	103.5	44.3	17.4
1993 05 13	10	18.12	+09 08.9	0.854	1.439	100.7	43.6	17.6
1993 05 23	10	41.78	+05 45.9	0.946	1.477	97.8	42.8	17.9
1993 06 02	11	04.82	+02 33.3	1.046	1.516	94.7	41.8	18.1
1993 06 12	11	27.33	-00 29.0	1.152	1.556	91.5	40.7	18.4
1993 06 22	11	49.44	-03 21.9	1.263	1.597	88.2	39.5	18.6
1993 07 02	12	11.28	-06 05.8	1.379	1.638	84.8	38.2	18.8
1993 07 12	12	32.91	-08 41.0	1.499	1.678	81.3	36.8	19.0

Comet Mueller (1993a)						Elements MPC 21235		
Date	TT	R. A. (2000)	Decl.	Delta	r	Elong.	Phase	ml
1993 02 02	08	54.23	+54 34.8	3.487	4.309	142.2	8.1	14.1
1993 02 12	08	30.70	+56 15.5	3.463	4.222	135.3	9.5	14.0
1993 02 22	08	06.40	+57 20.5	3.472	4.134	126.2	11.1	13.9
1993 03 04	07	43.39	+57 50.5	3.509	4.047	116.3	12.7	13.8
1993 03 14	07	23.36	+57 52.2	3.567	3.960	106.1	14.0	13.7
1993 03 24	07	07.26	+57 34.3	3.637	3.872	96.1	14.8	13.7
1993 04 03	06	55.36	+57 05.5	3.713	3.785	86.4	15.3	13.6
1993 04 13	06	47.40	+56 33.1	3.788	3.698	77.2	15.3	13.6
1993 04 23	06	42.93	+56 02.0	3.855	3.610	68.5	15.0	13.5
1993 05 03	06	41.44	+55 35.4	3.910	3.523	60.4	14.4	13.4
1993 05 13	06	42.41	+55 15.4	3.948	3.437	53.0	13.6	13.3

1989 NA		a,e,i = 2.65, 0.45, 14				Elements MPC 15070		
Date	TT	R. A. (2000)	Decl.	Delta	r	Variation	V	
1993 02 02	13	52.15	+07 04.2	2.162	2.650	-1.02	+7.1	19.8
1993 02 12	13	57.52	+07 48.5	1.997	2.602	-1.12	+7.7	19.6
1993 02 22	14	00.71	+08 49.6	1.843	2.553	-1.24	+8.4	19.3
1993 03 04	14	01.35	+10 06.4	1.704	2.504	-1.36	+9.0	19.0
1993 03 14	13	59.15	+11 35.0	1.582	2.453	-1.49	+9.5	18.7
1993 03 24	13	54.00	+13 09.2	1.481	2.402	-1.61	+9.7	18.5

1993 04 03	13 46.13	+14 39.1	1.404	2.351	-1.70	+9.6	18.2
1993 04 13	13 36.23	+15 53.3	1.350	2.298	-1.75	+9.2	18.1
1993 04 23	13 25.35	+16 41.0	1.321	2.246	-1.75	+8.6	18.1
1993 05 03	13 14.90	+16 54.0	1.314	2.193	-1.70	+7.8	18.2
1993 05 13	13 06.18	+16 30.2	1.326	2.139	-1.61	+7.3	18.3
1993 05 23	13 00.12	+15 31.5	1.353	2.086	-1.50	+6.9	18.4
1993 06 02	12 57.28	+14 02.5	1.391	2.033	-1.39	+6.9	18.5
1993 06 12	12 57.79	+12 09.0	1.435	1.980	-1.29	+7.1	18.6
1993 06 22	13 01.50	+09 55.8	1.483	1.927	-1.21	+7.5	18.6
1993 07 02	13 08.21	+07 27.1	1.532	1.875	-1.15	+8.0	18.7
1993 07 12	13 17.62	+04 46.2	1.581	1.825	-1.11	+8.6	18.7

1992 FE		a,e,i = 0.93, 0.41, 5				Elements MPC 20932		
Date	TT	R. A. (2000)	Decl.	Delta	r	Elong.	Phase	V
1993 02 02	15 16.69	-23 10.6	0.643	1.083	80.4	63.8	18.5	
1993 02 12	15 30.08	-25 18.3	0.616	1.136	87.0	60.2	18.4	
1993 02 22	15 41.05	-27 21.8	0.579	1.182	94.1	56.6	18.2	
1993 03 04	15 48.24	-29 22.9	0.533	1.220	102.0	52.7	18.0	
1993 03 14	15 49.98	-31 23.0	0.482	1.251	111.0	47.9	17.7	
1993 03 24	15 43.80	-33 19.3	0.430	1.274	121.2	42.0	17.3	
1993 04 03	15 26.59	-34 57.4	0.382	1.291	133.1	34.4	16.9	
1993 04 13	14 56.03	-35 43.2	0.341	1.301	146.3	25.3	16.4	
1993 04 23	14 13.69	-34 42.7	0.316	1.303	157.6	17.1	16.0	
1993 05 03	13 28.50	-31 27.1	0.309	1.298	157.2	17.5	15.9	
1993 05 13	12 51.45	-26 45.3	0.321	1.287	144.9	26.9	16.3	
1993 05 23	12 27.26	-22 02.8	0.348	1.268	130.8	37.2	16.7	
1993 06 02	12 14.91	-18 13.5	0.383	1.242	118.1	46.1	17.1	
1993 06 12	12 11.29	-15 28.0	0.420	1.209	107.2	53.4	17.5	
1993 06 22	12 13.69	-13 36.6	0.454	1.168	97.8	59.6	17.8	
1993 07 02	12 20.12	-12 25.4	0.482	1.120	89.4	65.2	18.0	
1993 07 12	12 28.92	-11 39.3	0.500	1.065	81.6	70.7	18.1	

1992 EU		a,e,i = 2.80, 0.38, 29				Elements MPC 21580		
Date	TT	R. A. (2000)	Decl.	Delta	r	Elong.	Phase	V
1993 02 02	15 45.33	-40 52.1	3.727	3.534	71.2	15.3	18.9	
1993 02 12	15 53.13	-42 28.2	3.612	3.557	78.9	15.8	18.9	
1993 02 22	15 59.27	-44 04.9	3.493	3.578	86.9	16.0	18.9	
1993 03 04	16 03.38	-45 41.6	3.374	3.598	95.0	15.9	18.8	
1993 03 14	16 05.12	-47 17.1	3.258	3.618	103.3	15.5	18.7	
1993 03 24	16 04.12	-48 49.3	3.150	3.637	111.6	14.8	18.6	
1993 04 03	16 00.09	-50 14.9	3.052	3.655	119.9	13.7	18.5	
1993 04 13	15 52.93	-51 29.3	2.970	3.673	127.9	12.4	18.4	
1993 04 23	15 42.84	-52 27.3	2.906	3.689	135.3	11.1	18.3	
1993 05 03	15 30.41	-53 03.6	2.864	3.705	141.3	9.8	18.3	
1993 05 13	15 16.71	-53 15.1	2.846	3.720	145.1	8.9	18.2	
1993 05 23	15 03.01	-53 01.1	2.854	3.735	145.8	8.8	18.2	
1993 06 02	14 50.61	-52 24.7	2.887	3.748	143.2	9.3	18.3	
1993 06 12	14 40.48	-51 31.6	2.944	3.761	138.1	10.4	18.4	
1993 06 22	14 33.19	-50 28.6	3.022	3.773	131.5	11.6	18.5	
1993 07 02	14 28.93	-49 22.7	3.120	3.785	124.1	12.9	18.6	
1993 07 12	14 27.58	-48 19.2	3.232	3.795	116.4	13.9	18.7	
1993 07 22	14 28.89	-47 22.0	3.357	3.805	108.6	14.7	18.9	
1993 08 01	14 32.58	-46 33.3	3.490	3.814	100.9	15.1	19.0	

Periodic Comet Swift-Tuttle (1992t)		Elements MPC 21235						
Date	TT	R. A. (2000)	Decl.	Delta	r	Elong.	Phase	m1
1993 02 22	21 45.06	-43 08.6	2.233	1.515	33.9	21.3	9.0	
1993 03 04	22 07.58	-47 02.1	2.229	1.634	42.0	24.0	9.4	
1993 03 14	22 33.09	-51 01.8	2.214	1.754	50.2	25.8	9.9	

1993 03 24	23 02.80	-55 08.3	2.195	1.874	58.3	26.9	10.3
1993 04 03	23 38.47	-59 18.2	2.179	1.995	66.1	27.3	10.7
1993 04 13	00 22.65	-63 20.6	2.172	2.116	73.4	27.0	11.1
1993 04 23	01 18.48	-66 56.2	2.181	2.235	79.8	26.3	11.4
1993 05 03	02 27.95	-69 36.3	2.212	2.354	85.3	25.3	11.8
1993 05 13	03 47.8	-70 51.9	2.267	2.472	89.4	24.1	12.2
1993 05 23	05 07.4	-70 33.6	2.348	2.588	91.9	23.0	12.5
1993 06 02	06 16.42	-69 02.4	2.456	2.703	92.9	22.0	12.9
1993 06 12	07 11.56	-66 53.0	2.586	2.817	92.4	21.1	13.3
1993 06 22	07 54.92	-64 34.3	2.737	2.930	90.6	20.3	13.7
1993 07 02	08 29.62	-62 24.3	2.903	3.042	88.0	19.5	14.1
1993 07 12	08 58.18	-60 31.9	3.080	3.152	84.6	18.7	14.4
1993 07 22	09 22.39	-59 00.6	3.264	3.261	80.9	17.9	14.8
1993 08 01	09 43.43	-57 51.4	3.452	3.369	76.9	17.1	15.1
1993 08 11	10 02.06	-57 03.2	3.638	3.476	72.8	16.2	15.4
1993 08 21	10 18.81	-56 34.5	3.821	3.582	68.8	15.3	15.7
1993 08 31	10 34.02	-56 23.8	3.996	3.686	65.1	14.4	16.0
1993 09 10	10 47.90	-56 29.0	4.162	3.790	61.7	13.5	16.3
1993 09 20	11 00.58	-56 48.6	4.317	3.892	58.8	12.7	16.5
1993 09 30	11 12.11	-57 21.1	4.458	3.994	56.5	12.1	16.8
1993 10 10	11 22.49	-58 05.0	4.585	4.094	55.0	11.5	17.0
1993 10 20	11 31.66	-58 59.0	4.697	4.194	54.3	11.1	17.2
1993 10 30	11 39.47	-60 01.7	4.792	4.293	54.5	10.9	17.4
1993 02 22	12 13.05	-20 18.6	2.058	2.878	139.0	13.0	17.1
- 6.10 -0.97	+ 11.4 +12.1	1987 WS3	21568	- 8.42 +0.29	+ 75.4 + 7.3		
1993 03 24	11 48.96	-17 59.8	1.969	2.935	162.4	5.9	16.8
1993 03 24	13 39.93	-26 14.5	2.253	3.139	+0.96	-3.8	17.9
- 6.95 -0.83	+ 15.3 + 9.7	1990 SY3	17641	- 8.36 +0.42	+ 64.6 + 5.1		
1993 04 23	13 14.65	-24 06.3	2.134	3.112	+0.98	-4.8	17.5
1993 03 24	13 54.03	-13 10.5	1.698	2.622	152.3	10.2	18.4
- 6.64 -1.14	+ 27.5 + 6.8	1979 QB10	18620	- 9.49 +0.32	+ 51.0 - 0.2		
1993 04 23	13 27.14	-10 59.8	1.567	2.565	171.1	3.5	17.9
1993 03 24	13 56.57	-13 59.8	1.810	2.728	151.4	10.1	16.6
- 8.09 -1.03	-9.0 + 5.4	1991 VV2	20510	- 9.98 +0.47	+ 13.1 + 1.0		
1993 04 23	13 26.70	-13 45.6	1.779	2.777	171.1	3.2	16.3
1993 03 24	13 51.38	-24 50.6	2.648	3.523	146.6	9.0	17.3
- 6.05 -0.78	-2.8 + 7.1	1981 EO9	18107	- 7.89 +0.23	+ 35.7 + 4.6		
1993 04 23	13 28.62	-23 56.8	2.506	3.490	166.0	4.0	16.9
1993 03 24	13 56.34	-02 15.3	1.431	2.368	154.1	10.6	18.0
- 7.15 -1.12	+ 55.2 + 1.8	1989 CV1	19302	- 8.96 +0.57	+ 34.3 - 8.1		
1993 04 23	13 29.04	+00 17.3	1.441	2.425	164.7	6.3	17.9
1993 03 24	13 54.75	-13 17.6	1.875	2.796	152.1	9.6	18.1
- 6.65 -0.90	+ 56.2 + 6.4	1991 UD3	19514	- 8.15 +0.44	+ 70.7 - 2.3		
1993 04 23	13 30.09	-09 51.1	1.859	2.858	171.5	3.0	17.8
1993 03 24	13 56.91	-02 23.2	1.596	2.530	153.9	10.0	17.2
- 6.82 -1.15	+ 48.2 + 2.4	1987 UQ3	19863	- 9.48 +0.38	+ 34.3 - 7.0		
1993 04 23	13 29.65	-00 02.1	1.517	2.501	165.1	6.0	16.9
1993 03 24	13 57.41	-11 54.1	1.132	2.066	152.0	13.1	15.7
- 6.77 -1.44	+0.0 + 6.7	1987 SV11	19299	- 9.50 +0.65	+ 20.5 - 1.0		
1993 04 23	13 29.13	-11 09.0	1.111	2.111	171.6	4.0	15.3

1993 03 24	13 55.11	-28 59.9	2.777	3.625	143.1	9.5	19.0
- 6.52 -0.82	- 20.5 + 7.4	(5223)	20318	- 8.59 +0.20	+ 24.0 + 6.3		
1993 04 23	13 30.55	-28 52.7	2.629	3.599	162.0	5.0	18.7
1993 03 24	13 54.49	-14 37.5	1.057	1.991	151.6	13.8	15.9
- 5.09 -1.48	+9.5 + 9.3	1989 CH4	15252	- 8.39 +0.56	+ 43.3 + 0.2		
1993 04 23	13 30.48	-13 01.6	0.999	1.999	172.1	4.0	15.4
1993 03 24	13 52.21	-01 33.6	1.185	2.131	155.1	11.3	16.2
- 4.47 -1.24	+101.7 + 3.8	1985 FH	14617	- 7.04 +0.49	+ 74.4 -12.3		
1993 04 23	13 31.73	+03 20.5	1.156	2.136	162.4	8.2	16.0
1993 03 24	14 12.47	-34 00.6	0.876	1.744	137.0	22.9	16.0
- 9.69 -2.81	-190.2 +12.3	1988 EL	19021	-18.70 +0.64	- 48.6 +29.1		
1993 04 23	13 23.50	-40 31.1	0.804	1.752	150.7	16.3	15.6
1993 03 24	13 58.88	-31 20.2	1.846	2.694	140.9	13.5	16.8
- 6.80 -1.29	- 36.0 +10.6	1988 CT5	16429	-10.48 +0.25	+ 35.1 +11.0		
1993 04 23	13 30.12	-31 22.5	1.675	2.641	159.7	7.6	16.3
1993 03 24	13 56.98	-29 17.1	1.076	1.964	142.7	17.9	15.6
- 4.71 -1.74	- 60.8 +13.4	1990 QQ	17212	- 9.92 +0.38	+ 36.0 +15.4		
1993 04 23	13 31.12	-29 58.5	0.939	1.918	161.0	9.8	14.9
1993 03 24	13 57.15	-15 51.7	1.790	2.702	150.5	10.5	18.1
- 6.30 -1.04	+ 59.7 + 8.7	1987 SW1	12560	- 8.64 +0.35	+ 88.6 - 0.4		
1993 04 23	13 32.17	-11 52.5	1.696	2.696	172.5	2.8	17.6
1993 03 24	13 58.30	-12 34.6	1.417	2.343	151.5	11.7	18.3
- 5.66 -1.29	+ 26.9 + 7.3	2577 P-L	17835	- 9.10 +0.32	+ 50.5 - 0.8		
1993 04 23	13 33.20	-10 23.5	1.300	2.300	172.4	3.3	17.7
1993 03 24	13 59.03	-05 25.1	1.412	2.346	153.2	11.1	17.0
- 6.29 -1.18	+ 79.0 + 4.6	(5037)	19493	- 8.65 +0.48	+ 68.9 - 8.0		
1993 04 23	13 33.55	-01 19.9	1.390	2.380	166.7	5.6	16.7
1993 03 24	14 04.40	+37 46.0	2.684	3.443	133.1	12.2	18.1
- 8.93 -0.85	+ 56.3 -11.6	1991 WB	21579	-10.09 +0.48	- 28.3 -14.6		
1993 04 23	13 33.43	+38 33.4	2.777	3.493	128.5	13.0	18.2
1993 03 24	14 02.07	-03 31.5	1.649	2.575	152.6	10.3	17.5
- 7.10 -1.10	+ 42.8 + 2.3	1984 YE4	19498	- 9.40 +0.41	+ 30.8 - 6.1		
1993 04 23	13 34.54	-01 25.6	1.618	2.607	166.9	5.0	17.2
1993 03 24	13 57.54	-11 13.7	2.182	3.099	152.2	8.6	18.1
- 5.61 -0.82	+ 55.4 + 5.1	1981 UU11	17432	- 7.39 +0.28	+ 65.6 - 2.3		
1993 04 23	13 36.03	-07 58.5	2.121	3.120	172.0	2.6	17.8
1993 03 24	13 54.50	-03 01.5	2.528	3.454	154.5	7.1	17.1
- 4.56 -0.67	+ 39.2 + 1.5	1976 DJ1	20495	- 6.11 +0.20	+ 30.9 - 4.2		
1993 04 23	13 36.89	-01 05.8	2.463	3.450	166.9	3.8	16.9
1993 03 24	13 57.93	-10 52.7	2.196	3.113	152.2	8.6	15.8
- 5.53 -0.84	+ 37.3 + 4.6	1987 BC	20145	- 7.54 +0.24	+ 48.0 - 1.6		
1993 04 23	13 36.33	-08 33.2	2.106	3.105	172.4	2.5	15.3
1993 03 24	14 01.45	-10 34.0	1.997	2.912	151.5	9.4	18.4
- 6.52 -1.00	+ 14.8 + 4.2	5568 P-L	14797	- 9.08 +0.24	+ 26.0 - 1.1		
1993 04 23	13 35.76	-09 23.0	1.890	2.891	172.6	2.6	18.0

1993 03 24	13 58.22	-09 35.4	1.696	2.621	152.5	10.1	16.8
- 5.07 -1.05	+ 22.9 + 4.6	1977 EO1	9476	- 7.76 +0.27	+ 32.0 - 2.2		
1993 04 23	13 36.54	-08 00.6	1.598	2.598	172.1	3.0	16.3
1993 03 24	14 02.62	-06 32.9	1.511	2.437	152.1	11.0	17.5
- 6.68 -1.16	+ 59.2 + 4.4	1982 BQ2	14473	- 9.08 +0.44	+ 54.8 - 6.0		
1993 04 23	13 36.01	-03 22.6	1.487	2.481	168.7	4.6	17.2
1993 03 24	14 01.07	-23 36.1	1.590	2.477	145.6	13.1	18.7
- 5.51 -1.30	+6.4 +10.7	1981 EX38	14346	- 9.34 +0.22	+ 66.3 + 6.9		
1993 04 23	13 35.99	-21 40.1	1.421	2.415	168.8	4.6	18.1
1993 03 24	14 00.12	+00 04.5	1.856	2.782	153.1	9.3	16.2
- 5.77 -0.98	+ 46.6 + 0.8	(5134)	19846	- 8.12 +0.28	+ 26.9 - 7.1		
1993 04 23	13 36.97	+02 09.5	1.791	2.771	164.0	5.7	15.9
1993 03 24	14 04.47	-12 46.5	1.199	2.122	150.1	13.6	16.8
- 6.66 -1.50	+8.0 + 7.2	1983 EM1	14189	-10.15 +0.50	+ 31.8 - 0.6		
1993 04 23	13 35.56	-11 32.3	1.147	2.149	173.2	3.2	16.3
1993 03 24	14 00.55	-12 31.6	2.017	2.930	151.0	9.5	17.7
- 5.73 -0.97	+ 50.4 + 6.5	1982 UD7	11438	- 8.33 +0.21	+ 69.7 - 1.0		
1993 04 23	13 37.29	-09 17.8	1.882	2.882	172.9	2.5	17.1
1993 03 24	14 00.34	-18 11.6	1.946	2.845	148.7	10.5	18.1
- 5.46 -0.96	+ 11.5 + 7.1	1198 T-1	19878	- 7.74 +0.28	+ 41.9 + 2.0		
1993 04 23	13 38.23	-16 42.2	1.872	2.872	172.7	2.6	17.6
1993 03 24	13 59.95	-05 14.3	1.374	2.307	153.0	11.3	16.7
- 3.91 -1.26	+ 98.1 + 8.1	1981 QX	18421	- 7.79 +0.17	+104.8 - 7.2		
1993 04 23	13 39.76	+00 18.5	1.224	2.213	166.0	6.3	16.1
1993 03 24	14 03.14	+07 29.5	1.920	2.833	151.1	9.8	16.3
- 5.80 -0.96	+ 41.0 - 2.6	1990 TN4	17454	- 8.06 +0.28	+1.7 - 9.6		
1993 04 23	13 40.09	+08 46.5	1.878	2.835	158.0	7.6	16.2
1993 03 24	14 03.50	-08 54.6	1.977	2.893	151.4	9.5	16.9
- 5.41 -0.98	+ 38.8 + 4.5	1985 QN	10302	- 8.14 +0.18	+ 46.7 - 2.5		
1993 04 23	13 41.04	-06 33.5	1.856	2.855	172.0	2.8	16.4
1993 03 24	14 01.02	+02 18.9	1.205	2.140	152.7	12.3	15.8
- 3.48 -1.28	+124.2 + 2.2	1989 JK	17443	- 6.69 +0.35	+ 81.5 -15.3		
1993 04 23	13 42.77	+08 00.0	1.177	2.146	158.9	9.7	15.6
1993 03 24	14 04.98	-09 05.9	2.228	3.138	151.0	8.9	17.8
- 5.44 -0.90	+ 65.1 + 5.3	2098 P-L	17461	- 8.00 +0.14	+ 75.0 - 2.6		
1993 04 23	13 42.91	-05 21.4	2.089	3.087	171.3	2.8	17.3
1993 03 24	14 04.80	-09 59.3	1.076	2.007	150.8	14.0	15.5
- 3.95 -1.51	+ 45.2 + 7.7	1989 CY1	14478	- 8.02 +0.35	+ 58.2 - 4.6		
1993 04 23	13 43.40	-07 01.4	1.008	2.010	172.7	3.6	14.9
1993 03 24	14 18.56	-50 26.6	2.009	2.698	+1.62	-5.4	18.1
- 7.88 -1.98	- 88.2 +11.8	1990 OK1	17638	-15.52 -0.08	+ 17.6 +21.5		
1993 04 23	13 39.97	-52 30.9	1.760	2.610	+1.81	-9.1	17.6
1993 03 24	14 10.50	-18 20.8	1.897	2.784	146.5	11.4	18.0
- 6.76 -1.17	+ 10.4 + 7.3	1987 RE1	19675	-10.10 +0.19	+ 45.4 + 3.0		
1993 04 23	13 42.69	-16 49.2	1.767	2.768	173.5	2.4	17.4

1993 03 24	14 05.51	-03 11.3	2.759	3.668	+0.62	-3.9	17.6
- 5.34 -0.68	+ 40.5 + 1.3	1992 BB5	21266	- 7.01	+0.16	+ 32.8	- 3.9
1993 04 23	13 45.44	-01 11.7	2.710	3.699	+0.64	-4.0	17.3
1993 03 24	14 13.06	-18 57.9	1.688	2.574	145.7	12.6	17.0
- 6.38 -1.34	+0.8 + 7.8	1987 SQ17	16026	-10.69	+0.11	+ 42.0	+ 4.3
1993 04 23	13 44.78	-17 47.2	1.525	2.526	173.1	2.7	16.3
1993 03 24	14 10.27	-22 05.3	2.207	3.075	144.7	10.8	18.3
- 5.66 -0.98	- 10.5 + 6.8	1089 T-1	19319	- 8.45	+0.16	+ 26.5	+ 4.4
1993 04 23	13 47.01	-21 36.8	2.096	3.092	170.1	3.2	17.9
1993 03 24	14 14.05	-24 18.0	1.302	2.181	142.8	16.1	16.3
- 5.38 -1.63	- 35.5 +10.1	1989 BG	15894	-10.64	+0.17	+ 30.5	+ 9.4
1993 04 23	13 46.70	-24 24.5	1.174	2.167	167.5	5.8	15.7
1993 03 24	14 13.51	-16 07.7	2.421	3.301	146.8	9.5	18.3
- 6.52 -0.97	-0.7 + 4.8	1990 TE1	17452	- 9.59	+0.06	+ 22.1	+ 2.0
1993 04 23	13 47.44	-15 30.5	2.252	3.256	175.2	1.5	17.7
1993 03 24	14 12.81	-17 04.9	1.360	2.260	146.6	14.1	17.7
- 4.78 -1.51	+1.2 + 8.2	1979 QX2	17955	-10.02	+0.04	+ 42.8	+ 3.8
1993 04 23	13 47.76	-15 50.8	1.189	2.193	175.0	2.3	16.8
1993 03 24	14 12.09	-19 02.5	2.335	3.209	145.8	10.0	18.5
- 5.54 -0.95	-4.6 + 5.6	1984 SV5	20331	- 8.44	+0.09	+ 24.2	+ 3.0
1993 04 23	13 49.21	-18 28.4	2.190	3.191	173.2	2.1	18.0
1993 03 24	14 18.07	-21 10.0	1.699	2.571	143.6	13.3	18.0
- 6.26 -1.34	+3.9 + 8.7	1984 SR2	15244	-10.43	+0.14	+ 50.4	+ 5.0
1993 04 23	13 50.32	-19 41.9	1.565	2.564	172.2	3.1	17.3
1993 03 24	14 16.31	-11 45.9	1.841	2.736	147.6	11.3	18.7
- 5.94 -1.17	+ 21.3 + 5.1	4665 P-L	12583	- 9.51	+0.12	+ 37.2	- 0.7
1993 04 23	13 50.79	-10 07.5	1.718	2.722	176.2	1.4	18.0
1993 03 24	14 10.96	+07 58.6	2.321	3.217	149.1	9.2	16.0
- 4.46 -0.82	+ 78.8 - 1.4	1992 AJ	20031	- 6.73	+0.13	+ 44.3	- 9.4
1993 04 23	13 52.42	+11 17.9	2.282	3.227	156.1	7.3	15.9
1993 03 24	14 17.43	-19 13.1	1.617	2.497	144.6	13.4	17.5
- 5.40 -1.38	-8.5 + 7.5	1990 QL3	17214	-10.15	+0.02	+ 32.9	+ 4.7
1993 04 23	13 51.52	-18 31.8	1.449	2.451	173.4	2.7	16.7
1993 03 24	14 18.58	-17 52.4	1.185	2.081	145.0	16.0	17.0
- 4.98 -1.67	- 16.0 + 8.5	2024 P-L	12585	-10.25	+0.19	+ 28.7	+ 4.4
1993 04 23	13 52.31	-17 25.9	1.089	2.092	174.4	2.7	16.3
1993 03 24	14 18.31	-08 42.2	1.281	2.191	147.9	14.0	18.4
- 4.96 -1.48	+ 33.6 + 5.5	3347 T-2	16038	- 9.44	+0.20	+ 40.6	- 3.9
1993 04 23	13 53.60	-06 33.5	1.202	2.205	173.6	2.9	17.8
1993 03 24	14 16.56	+07 19.5	2.183	3.074	147.9	9.9	18.3
- 5.48 -0.92	+ 84.4 - 1.2	1986 PD1	13466	- 8.03	+0.15	+ 48.5	-10.0
1993 04 23	13 54.33	+10 55.0	2.151	3.099	156.5	7.4	18.2
1993 03 24	14 21.92	-20 25.6	1.606	2.478	143.1	14.0	17.3
- 6.06 -1.42	-6.8 + 8.1	(5044)	19661	-10.68	+0.10	+ 38.3	+ 5.1
1993 04 23	13 54.02	-19 33.0	1.476	2.476	172.6	3.0	16.6

1993 03 24	14 22.33	-07 46.9	1.437	2.337	147.1	13.4	17.9
- 5.77 -1.40	+ 51.0 + 5.1	1981 RO1	20330	- 9.86 +0.20	+ 53.6 - 4.9		
1993 04 23	13 55.95	-04 51.5	1.370	2.370	172.2	3.3	17.4
1993 03 24	14 16.87	-12 56.9	2.679	3.558	147.2	8.7	17.0
- 4.94 -0.81	+ 15.7 + 3.8	1991 AA	17830	- 7.52 +0.03	+ 29.2 + 0.2		
1993 04 23	13 56.62	-11 42.7	2.532	3.537	178.3	0.5	16.4
1993 03 24	14 17.62	-12 08.5	1.854	2.746	147.2	11.3	16.6
- 4.13 -1.09	+ 18.3 + 4.9	(5219)	20316	- 7.60 +0.06	+ 33.7 - 0.6		
1993 04 23	13 57.93	-10 40.4	1.737	2.742	177.8	0.8	15.9
1993 03 24	14 21.91	-22 34.8	2.274	3.122	142.1	11.3	18.5
- 5.54 -1.06	+6.3 + 7.2	1986 TW9	17958	- 9.11 +0.01	+ 45.9 + 4.8		
1993 04 23	13 57.96	-21 12.3	2.097	3.095	171.2	2.8	17.9
1993 03 24	14 25.27	-27 29.5	1.570	2.412	138.9	15.8	17.8
- 5.09 -1.57	- 28.9 + 9.6	1980 PF	9469	-11.02 -0.11	+ 38.8 +10.9		
1993 04 23	13 58.43	-27 17.5	1.377	2.363	165.2	6.3	17.0
1993 03 24	14 23.28	-05 20.4	1.782	2.675	147.2	11.7	17.1
- 5.21 -1.15	+ 38.9 + 2.9	1988 AO1	19676	- 8.73 +0.11	+ 34.3 - 4.6		
1993 04 23	14 00.04	-03 16.7	1.706	2.703	170.8	3.4	16.7
1993 03 24	14 26.19	-11 21.2	1.774	2.656	145.4	12.3	18.2
- 5.84 -1.25	+ 18.1 + 4.8	1987 ST11	18813	- 9.91 +0.06	+ 32.5 - 0.8		
1993 04 23	14 00.15	-09 55.0	1.661	2.665	177.3	1.0	17.5
1993 03 24	14 17.19	-12 35.3	2.820	3.697	147.2	8.4	16.0
- 3.81 -0.73	+ 30.3 + 3.9	1992 CE	19872	- 6.12 +0.02	+ 42.1 - 0.4		
1993 04 23	14 00.91	-10 39.0	2.690	3.695	178.1	0.5	15.4
1993 03 24	14 27.21	-06 45.1	1.569	2.460	146.0	13.1	17.3
- 5.42 -1.36	+ 52.5 + 4.7	1989 AF1	19502	- 9.91 +0.05	+ 54.4 - 4.8		
1993 04 23	14 01.63	-03 47.2	1.463	2.461	171.3	3.5	16.7
1993 03 24	14 28.17	-14 36.2	1.851	2.722	144.0	12.4	18.8
- 5.81 -1.22	+ 18.7 + 5.9	1991 VM4	20029	- 9.70 +0.07	+ 41.4 + 0.7		
1993 04 23	14 02.54	-12 56.5	1.747	2.753	179.5	0.2	18.0
1993 04 23	14 02.91	-09 15.0	1.912	2.916	176.8	1.1	17.9
- 8.18 +0.07	+ 41.7 - 1.4	1990 RK7	20507	- 4.50 +1.01	+ 16.5 - 6.2		
1993 05 23	13 42.16	-07 38.7	2.072	2.954	144.4	11.5	18.6
1993 04 23	14 03.78	-17 35.4	1.354	2.357	174.9	2.2	17.5
- 9.38 -0.02	+ 37.2 + 4.0	1981 EB17	7768	- 4.63 +1.38	+ 31.8 - 5.4		
1993 05 23	13 40.18	-15 34.5	1.446	2.358	146.6	13.7	18.2
1993 04 23	14 05.14	-04 10.8	1.752	2.751	171.7	3.0	17.8
- 9.70 +0.04	+ 48.5 - 4.0	1991 VR3	19520	- 5.65 +1.14	+8.5 - 8.1		
1993 05 23	13 40.12	-02 37.6	1.901	2.767	141.6	13.1	18.5
1993 04 23	14 05.74	-30 20.2	1.835	2.809	162.1	6.3	17.5
-10.22 -0.18	- 17.4 + 9.2	2037 P-L	8786	- 6.55 +1.25	+ 19.8 + 2.0		
1993 05 23	13 37.96	-30 03.3	1.884	2.787	146.8	11.5	17.8
1993 04 23	14 05.49	-13 30.7	2.290	3.295	178.8	0.4	16.9
- 8.09 -0.03	+ 35.2 + 1.0	1990 VK1	17459	- 5.25 +0.88	+ 24.6 - 4.2		
1993 05 23	13 43.81	-11 51.3	2.387	3.278	146.4	9.9	17.5

1993 04 23	14 08.23	-22 03.4	2.201	3.196	170.4	3.0	17.0
- 8.43 -0.05	+ 15.6 + 4.5	1981 ES35	15064	- 5.38 +0.95	+ 25.2 - 1.5		
1993 05 23	13 45.67	-20 51.1	2.302	3.211	148.8	9.4	17.5
1993 04 23	14 08.91	-08 19.7	1.583	2.587	175.6	1.7	16.5
- 9.77 0.00	+ 21.7 - 1.8	1975 TX2	15699	- 5.57 +1.21	-4.8 - 6.2		
1993 05 23	13 43.68	-07 46.3	1.721	2.615	144.8	12.9	17.2
1993 04 23	14 09.49	-20 44.8	1.608	2.606	171.6	3.2	17.9
-10.32 -0.18	+ 53.3 + 6.3	1987 SC4	14950	- 6.55 +1.27	+ 60.1 - 4.2		
1993 05 23	13 41.49	-17 35.2	1.641	2.553	147.3	12.4	18.3
1993 04 23	14 09.49	-09 50.8	1.362	2.367	176.9	1.3	16.7
- 9.70 -0.23	+ 52.4 0.0	1990 QD2	18821	- 5.87 +1.33	+ 23.9 - 8.5		
1993 05 23	13 43.25	-07 40.7	1.394	2.296	144.6	14.8	17.4
1993 04 23	14 10.15	-33 44.2	1.464	2.429	158.7	8.7	17.3
- 9.32 -0.23	+ 38.9 +13.7	1988 CK4	14951	- 5.09 +1.44	+ 87.9 + 1.0		
1993 05 23	13 45.46	-30 10.5	1.467	2.389	148.4	12.8	17.5
1993 04 23	14 09.94	-18 43.0	1.032	2.035	173.6	3.2	15.8
- 9.13 -0.16	+ 44.2 + 5.9	(5177)	20000	- 3.95 +1.60	+ 41.1 - 6.5		
1993 05 23	13 47.09	-16 12.0	1.098	2.031	148.3	15.2	16.5
1993 04 23	14 10.91	-10 41.7	1.654	2.659	177.3	1.0	16.4
- 8.22 -0.08	+ 78.5 0.0	1978 SE5	17625	- 4.73 +1.09	+ 49.7 - 8.4		
1993 05 23	13 49.34	-07 13.9	1.745	2.644	145.8	12.4	17.1
1993 04 23	14 11.32	+10 16.3	1.320	2.281	157.1	9.9	15.5
- 9.29 -0.03	+2.5 -13.9	1989 LJ	17208	- 4.77 +1.32	- 77.3 -10.8		
1993 05 23	13 47.75	+08 18.3	1.441	2.285	136.6	17.7	16.0
1993 04 23	14 12.00	-13 33.8	1.449	2.454	177.5	1.0	18.1
-10.80 -0.25	+ 28.4 + 1.9	1987 SB3	18112	- 7.00 +1.34	+ 16.2 - 5.7		
1993 05 23	13 42.36	-12 12.8	1.491	2.399	146.1	13.6	18.8
1993 04 23	14 12.07	-27 24.2	1.626	2.610	164.9	5.7	17.6
-11.28 -0.13	+ 14.3 + 9.2	1104 T-1	19319	- 6.92 +1.37	+ 42.8 - 0.5		
1993 05 23	13 42.00	-25 40.5	1.714	2.629	148.1	11.8	18.0
1993 04 23	14 11.65	-07 20.4	1.690	2.693	174.4	2.1	16.8
- 9.01 +0.02	+ 34.4 - 2.5	1974 XW	19494	- 5.10 +1.11	+3.7 - 6.7		
1993 05 23	13 48.50	-06 15.4	1.856	2.748	145.2	12.1	17.6
1993 04 23	14 12.45	-01 37.1	1.425	2.420	168.9	4.6	17.3
- 8.95 +0.02	+ 67.2 - 6.8	1978 GA	21098	- 4.60 +1.22	+8.5 -10.8		
1993 05 23	13 49.93	+00 23.7	1.587	2.465	142.0	14.6	18.0
1993 04 23	14 12.77	-18 14.6	1.304	2.306	173.8	2.7	15.9
- 9.06 -0.01	+ 71.1 + 4.1	1989 EL	16876	- 4.32 +1.35	+ 58.2 - 7.4		
1993 05 23	13 50.21	-14 39.4	1.429	2.354	148.7	12.9	16.6
1993 04 23	14 13.95	-07 41.5	1.917	2.920	174.5	1.9	16.7
- 9.12 -0.06	+ 43.0 - 1.7	1979 SP13	18415	- 5.87 +1.01	+ 15.4 - 6.6		
1993 05 23	13 49.50	-06 05.0	2.042	2.932	145.3	11.3	17.3
1993 04 23	14 14.51	-11 20.2	1.491	2.496	176.9	1.2	17.3
- 9.28 -0.26	+ 57.8 + 1.0	1975 UE	17425	- 5.98 +1.21	+ 35.6 - 7.7		
1993 05 23	13 48.90	-08 43.9	1.520	2.429	146.4	13.4	17.9

1993 04 23	14 14.63	-22 14.0	1.602	2.598	169.9	3.9	16.5
- 9.18 -0.21	+ 46.6 + 6.7	1982 UH8	17201	- 5.73 +1.21	+ 57.6 - 3.3		
1993 05 23	13 49.65	-19 19.1	1.638	2.562	149.5	11.6	16.8
1993 04 23	14 15.23	-06 06.7	1.740	2.741	172.9	2.6	16.7
- 8.62 -0.14	+ 62.7 - 2.4	1990 QP5	20148	- 5.51 +1.05	+ 26.6 - 8.5		
1993 05 23	13 51.85	-03 41.2	1.824	2.714	144.7	12.5	17.2
1993 04 23	14 15.20	+02 56.2	2.369	3.348	164.3	4.7	16.8
- 7.51 -0.06	+ 34.2 - 5.6	(5136)	19847	- 5.07 +0.79	-8.0 - 7.5		
1993 05 23	13 54.77	+03 38.9	2.504	3.352	141.0	11.0	17.2
1993 04 23	14 17.33	-07 17.8	1.970	2.972	173.7	2.1	17.6
- 7.78 -0.11	+ 78.8 - 1.7	3164 T-3	17654	- 5.03 +0.91	+ 45.8 - 8.3		
1993 05 23	13 56.24	-03 58.7	2.073	2.965	145.7	11.1	18.1
1993 04 23	14 17.71	-14 45.4	2.040	3.044	175.8	1.4	18.0
- 9.02 -0.03	+ 36.2 + 1.4	1982 UQ10	19497	- 5.78 +0.98	+ 26.1 - 4.4		
1993 05 23	13 53.65	-13 01.3	2.198	3.110	149.0	9.7	18.6
1993 04 23	14 18.44	-16 33.2	1.997	2.999	174.5	1.8	17.6
- 8.43 -0.15	+ 46.8 + 2.7	1986 WZ	20924	- 5.67 +0.95	+ 41.3 - 4.3		
1993 05 23	13 55.27	-14 08.0	2.073	2.992	149.7	9.8	18.1
1993 04 23	14 18.17	-32 13.4	2.197	3.160	160.0	6.3	17.2
- 8.89 -0.15	+ 16.3 + 8.7	1981 DF	19857	- 5.93 +1.01	+ 48.7 + 1.3		
1993 05 23	13 53.82	-30 22.2	2.272	3.190	150.1	9.1	17.4
1993 04 23	14 19.30	-35 07.7	1.178	2.140	157.1	10.5	15.3
- 9.60 -0.30	+ 41.9 +16.7	1990 RD9	19505	- 4.71 +1.63	+ 99.6 + 0.7		
1993 05 23	13 54.28	-31 05.8	1.218	2.155	150.0	13.6	15.5
1993 04 23	14 19.42	-08 49.6	1.641	2.644	174.5	2.1	17.0
- 9.82 -0.13	+ 26.9 - 1.4	(5307)	20788	- 6.27 +1.15	+1.9 - 6.2		
1993 05 23	13 52.94	-07 57.4	1.759	2.665	146.9	12.0	17.7
1993 04 23	14 19.17	-10 34.6	2.540	3.543	175.6	1.3	17.9
- 7.38 -0.13	+ 35.8 - 0.1	1978 RK1	16021	- 5.40 +0.73	+ 21.3 - 4.4		
1993 05 23	13 58.42	-09 00.7	2.610	3.514	148.6	8.6	18.4
1993 04 23	14 21.05	-01 44.9	1.237	2.231	168.4	5.2	16.0
- 9.33 -0.18	+ 68.3 - 6.7	1991 VF5	19682	- 5.24 +1.33	+5.1 -12.1		
1993 05 23	13 56.42	+00 15.0	1.345	2.240	143.4	15.6	16.6
1993 04 23	14 22.68	-14 26.5	1.660	2.663	174.8	2.0	17.0
- 9.47 -0.33	+ 42.6 + 2.5	1986 PX4	19296	- 6.80 +1.10	+ 33.5 - 5.3		
1993 05 23	13 55.63	-12 17.9	1.681	2.603	149.2	11.5	17.4
1993 04 23	14 23.32	-20 07.9	1.159	2.157	170.9	4.2	17.4
- 9.46 -0.25	+ 75.8 + 6.8	1978 VE11	20628	- 5.10 +1.45	+ 72.4 - 7.3		
1993 05 23	13 58.34	-15 59.5	1.235	2.176	150.9	13.1	17.9
1993 04 23	14 22.63	-16 18.0	1.914	2.915	173.9	2.1	17.6
- 7.65 -0.20	+ 40.0 + 2.6	1081 T-1	19877	- 5.15 +0.93	+ 34.6 - 4.2		
1993 05 23	14 01.34	-14 13.6	1.978	2.906	151.1	9.7	18.0
1993 04 23	14 23.40	-05 24.8	2.241	3.238	171.3	2.7	17.6
- 8.59 -0.09	+ 40.8 - 2.6	1936 UG	19671	- 6.01 +0.85	+ 12.0 - 6.3		
1993 05 23	13 59.76	-03 58.7	2.389	3.281	146.5	9.8	18.1

1993 04 23	14 25.55	-25 47.6	1.613	2.599	165.7	5.5	17.6
-10.53 -0.37	+ 37.5 + 8.8	1076 T-3	15088	- 7.43 +1.25	+ 62.8 - 1.3		
1993 05 23	13 55.63	-22 58.2	1.633	2.567	151.2	11.0	17.8
1993 04 23	14 25.20	-09 16.0	2.218	3.219	173.7	2.0	17.5
- 7.07 -0.24	+ 71.2 + 0.2	2672 T-3	12574	- 5.32 +0.76	+ 50.7 - 6.5		
1993 05 23	14 04.78	-06 00.8	2.231	3.140	148.6	9.7	17.9
1993 04 23	14 28.02	-30 57.0	1.804	2.773	160.7	6.9	17.3
-10.89 -0.45	-6.7 + 9.8	1986 TG1	17438	- 8.29 +1.19	+ 35.6 + 2.7		
1993 05 23	13 56.20	-30 00.5	1.815	2.743	150.7	10.4	17.4
1993 04 23	14 28.97	-30 25.2	1.922	2.892	161.1	6.5	17.0
-10.54 -0.30	+5.4 + 9.2	1980 FH5	15702	- 7.61 +1.14	+ 41.2 + 1.6		
1993 05 23	13 59.09	-29 01.2	1.991	2.921	151.5	9.5	17.3
1993 04 23	14 28.38	+00 11.9	2.245	3.229	165.8	4.4	16.3
- 8.43 -0.22	+ 30.9 - 4.5	(5133)	19846	- 6.49 +0.80	-7.4 - 7.3		
1993 05 23	14 04.13	+00 52.4	2.315	3.195	144.6	10.6	16.6
1993 04 23	14 30.43	-22 06.1	1.611	2.603	168.4	4.5	17.5
-10.51 -0.37	+ 24.6 + 6.4	1987 QH3	14197	- 7.57 +1.20	+ 39.5 - 2.0		
1993 05 23	14 00.39	-20 14.2	1.659	2.598	152.1	10.5	17.8
1993 04 23	14 30.15	-17 35.8	1.501	2.500	171.7	3.3	17.4
- 9.61 -0.29	+ 59.9 + 4.2	2157 T-3	19691	- 6.40 +1.19	+ 54.2 - 5.8		
1993 05 23	14 03.39	-14 26.2	1.576	2.513	151.7	11.0	17.9
1993 04 23	14 30.77	-12 21.8	1.477	2.478	173.2	2.8	17.6
- 9.96 -0.37	+ 47.2 + 1.2	1971 UD1	18618	- 7.04 +1.19	+ 28.9 - 6.8		
1993 05 23	14 02.38	-10 12.8	1.532	2.461	150.0	11.9	18.1
1993 04 23	14 30.64	+04 51.9	1.701	2.673	161.3	6.9	17.3
- 8.24 -0.19	+ 64.8 - 8.8	1987 YS1	14950	- 5.46 +0.99	-1.1 -11.3		
1993 05 23	14 07.93	+06 32.0	1.840	2.707	141.5	13.5	17.8
1993 04 23	14 31.16	-12 10.8	1.811	2.812	173.1	2.5	17.8
- 8.97 -0.24	+ 49.9 + 0.7	1981 EY17	9690	- 6.38 +0.99	+ 32.3 - 6.0		
1993 05 23	14 05.86	-09 55.2	1.901	2.827	150.7	10.1	18.3
1993 04 23	14 31.83	-15 59.5	1.686	2.685	172.2	2.9	16.7
- 9.30 -0.31	+ 45.8 + 2.9	(5050)	19663	- 6.64 +1.07	+ 39.1 - 4.9		
1993 05 23	14 05.39	-13 37.7	1.751	2.687	151.9	10.2	17.1
1993 04 23	14 32.57	-13 58.5	2.698	3.698	172.6	2.0	17.2
- 7.57 -0.19	+ 22.1 + 1.0	1990 VR3	20150	- 5.96 +0.67	+ 16.1 - 2.9		
1993 05 23	14 10.71	-12 54.0	2.782	3.713	152.9	7.1	17.6
1993 04 23	14 33.22	-26 38.2	1.314	2.298	164.2	6.9	16.2
- 7.99 -0.48	+ 36.3 +10.1	1980 PV1	16423	- 5.21 +1.26	+ 66.3 - 1.2		
1993 05 23	14 10.20	-23 43.4	1.328	2.284	154.5	11.0	16.4
1993 04 23	14 34.83	-03 24.0	2.050	3.040	168.0	4.0	17.3
- 9.19 -0.30	+ 19.0 - 3.4	1982 UA7	11431	- 7.27 +0.86	- 12.6 - 6.4		
1993 05 23	14 08.01	-03 08.7	2.113	3.018	147.7	10.3	17.7
1993 04 23	14 33.48	-07 17.9	1.789	2.786	170.9	3.3	17.0
- 7.20 -0.31	+ 72.5 - 1.3	1990 VZ4	18434	- 5.24 +0.88	+ 40.4 - 8.5		
1993 05 23	14 12.65	-04 15.3	1.839	2.759	149.3	10.8	17.4

1993 04 23	14 38.59	-15 22.7	1.533	2.530	170.9	3.6	16.8
- 9.42 -0.55	+ 36.0 + 3.2	1990 RW3	17964	- 7.58 +1.08	+ 31.5 - 4.8		
1993 05 23	14 10.06	-13 26.7	1.526	2.470	152.9	10.8	17.1
1993 04 23	14 38.14	-16 10.1	1.691	2.688	170.7	3.5	16.1
- 7.58 -0.36	+ 28.5 + 2.5	1987 DW6	16232	- 5.51 +0.94	+ 24.0 - 3.9		
1993 05 23	14 16.11	-14 39.5	1.753	2.703	154.7	9.2	16.5
1993 04 23	14 38.43	-13 50.3	2.113	3.111	171.3	2.8	16.4
- 7.34 -0.34	+ 38.1 + 1.5	1976 GH2	17012	- 5.92 +0.76	+ 29.7 - 4.2		
1993 05 23	14 16.53	-11 58.1	2.132	3.073	153.9	8.3	16.7
1993 04 23	14 38.57	-18 53.8	2.720	3.713	169.3	2.9	17.8
- 7.30 -0.27	+ 19.6 + 2.7	1989 VC2	17021	- 6.11 +0.63	+ 24.0 - 1.5		
1993 05 23	14 16.80	-17 40.5	2.745	3.691	155.6	6.5	18.0
1993 04 23	14 38.57	-01 49.3	1.944	2.930	166.2	4.7	18.2
- 7.81 -0.31	+ 70.0 - 3.9	3159 T-2	17653	- 6.02 +0.83	+ 26.6 - 9.3		
1993 05 23	14 15.73	+00 45.5	2.017	2.918	146.8	10.9	18.5
1993 04 23	14 38.77	-10 49.7	2.139	3.136	171.1	2.9	16.5
- 7.67 -0.29	+ 39.3 0.0	(5187)	20004	- 6.00 +0.77	+ 22.9 - 5.1		
1993 05 23	14 16.31	-09 06.9	2.206	3.140	152.6	8.5	16.9
1993 04 23	14 42.26	-15 35.7	1.383	2.380	170.0	4.2	18.1
- 9.95 -0.60	+ 50.7 + 3.8	1978 SR4	20628	- 7.83 +1.19	+ 44.4 - 5.9		
1993 05 23	14 12.26	-12 55.0	1.394	2.343	153.3	11.2	18.4
1993 04 23	14 40.17	-10 05.6	1.488	2.485	170.6	3.8	17.2
- 8.00 -0.36	+ 61.6 - 0.6	2092 T-2	15082	- 5.58 +1.04	+ 32.2 - 8.2		
1993 05 23	14 17.23	-07 31.0	1.575	2.514	152.0	10.9	17.7
1993 04 23	14 41.95	-35 10.0	1.831	2.779	155.7	8.6	16.3
- 9.74 -0.43	+ 30.9 +11.7	(5059)	19666	- 7.23 +1.13	+ 78.0 + 2.4		
1993 05 23	14 13.61	-32 09.4	1.867	2.811	153.7	9.2	16.4
1993 04 23	14 41.75	-11 09.7	1.283	2.280	170.4	4.2	16.9
- 9.50 -0.44	+ 41.2 - 0.1	1989 BW1	20634	- 6.58 +1.24	+ 16.1 - 7.4		
1993 05 23	14 14.53	-09 30.2	1.370	2.315	152.4	11.7	17.4
1993 04 23	14 43.53	-26 52.1	1.253	2.234	162.8	7.7	16.5
-10.07 -0.64	+ 15.7 +10.4	(5179)	20001	- 7.35 +1.38	+ 51.5 0.0		
1993 05 23	14 13.64	-24 52.1	1.286	2.246	155.2	10.9	16.7
1993 04 23	14 43.33	-10 52.5	1.605	2.601	170.0	3.9	16.9
- 9.45 -0.36	+ 40.5 - 0.2	(5165)	19995	- 6.99 +1.05	+ 19.0 - 6.3		
1993 05 23	14 16.06	-09 11.8	1.704	2.644	152.6	10.1	17.3
1993 04 23	14 45.56	-09 20.3	1.569	2.564	169.1	4.3	16.7
-10.07 -0.49	+ 23.2 - 0.9	(5343)	20914	- 8.00 +1.07	+0.7 - 6.0		
1993 05 23	14 15.57	-08 34.9	1.626	2.566	152.2	10.6	17.1
1993 04 23	14 45.10	-03 57.0	1.878	2.866	166.5	4.7	17.6
- 8.60 -0.28	+100.3 - 3.8	1991 TL1	19509	- 6.46 +0.88	+ 53.0 -10.5		
1993 05 23	14 20.38	+00 05.5	2.012	2.921	148.2	10.5	18.0
1993 04 23	14 46.66	-22 49.8	1.513	2.499	165.3	5.8	17.3
-10.25 -0.54	+ 33.3 + 7.1	(5178)	20000	- 7.94 +1.18	+ 50.6 - 2.1		
1993 05 23	14 16.22	-20 27.0	1.558	2.516	155.8	9.5	17.5

1993 04 23	14 46.83	+00 30.4	1.449	2.428	163.0	6.9	15.9
- 9.48 -0.35	+8.9 - 7.3	1988 BC	19676	- 6.74 +1.11	- 41.1 - 8.0		
1993 05 23	14 19.81	-00 16.6	1.583	2.501	148.3	12.3	16.4
1993 04 23	14 48.23	-24 29.9	1.393	2.375	163.9	6.7	17.1
-10.11 -0.57	+ 32.7 + 8.4	3557 P-L	14628	- 7.61 +1.25	+ 55.5 - 1.7		
1993 05 23	14 18.28	-21 58.8	1.445	2.408	156.4	9.7	17.3
1993 04 23	14 47.15	-08 38.5	2.026	3.018	168.5	3.8	17.6
- 8.15 -0.44	+ 45.4 - 0.5	1990 UJ2	17457	- 7.07 +0.76	+ 24.3 - 6.1		
1993 05 23	14 22.11	-06 43.5	2.033	2.969	152.7	9.0	17.8
1993 04 23	14 48.86	-16 40.3	1.583	2.575	168.1	4.6	17.0
- 9.35 -0.60	+ 53.6 + 4.2	1987 RU3	18112	- 7.92 +1.01	+ 52.2 - 4.8		
1993 05 23	14 19.96	-13 44.9	1.579	2.534	155.3	9.6	17.1
1993 04 23	14 47.69	-08 29.7	1.093	2.088	168.3	5.6	16.7
- 8.05 -0.62	+ 48.4 - 1.9	6607 P-L	17463	- 5.78 +1.23	+9.4 - 9.7		
1993 05 23	14 23.51	-06 48.5	1.146	2.099	153.0	12.7	17.2
1993 04 23	14 49.92	-32 42.0	1.364	2.323	157.1	9.7	16.6
-10.27 -0.89	- 38.3 +11.7	4026 P-L	18830	- 8.78 +1.32	+ 23.2 + 6.1		
1993 05 23	14 17.25	-32 54.2	1.356	2.310	154.1	11.0	16.7
1993 04 23	14 47.88	-12 11.1	2.504	3.496	169.0	3.1	17.1
- 8.07 -0.32	+8.4 + 0.3	1990 VP2	17644	- 6.92 +0.66	+0.6 - 2.9		
1993 05 23	14 23.59	-11 51.7	2.566	3.512	155.4	6.9	17.4
1993 04 23	14 49.18	-18 49.4	1.773	2.762	167.2	4.6	17.5
- 8.54 -0.47	+ 33.9 + 4.0	1990 QA2	17447	- 6.97 +0.92	+ 37.9 - 3.0		
1993 05 23	14 23.34	-16 48.6	1.813	2.773	156.9	8.2	17.7
1993 04 23	14 49.42	-11 27.7	1.765	2.758	168.6	4.1	16.3
- 8.08 -0.50	+ 88.1 + 1.8	1986 RH12	19675	- 6.86 +0.85	+ 68.6 - 7.8		
1993 05 23	14 24.52	-07 14.8	1.771	2.715	153.4	9.6	16.5
1993 04 23	14 48.77	-12 45.8	2.007	3.000	168.8	3.7	16.7
- 7.71 -0.41	+ 48.5 + 1.2	1990 VF2	18298	- 6.47 +0.77	+ 36.1 - 5.1		
1993 05 23	14 25.33	-10 27.3	2.040	2.989	155.2	8.2	17.0
1993 04 23	14 48.54	-08 47.1	2.169	3.160	168.2	3.7	16.4
- 6.89 -0.32	+ 50.2 - 0.9	1981 EF26	17628	- 5.60 +0.69	+ 27.8 - 6.0		
1993 05 23	14 27.94	-06 40.8	2.249	3.189	153.8	8.0	16.7
1993 04 23	14 54.34	-14 25.5	1.477	2.468	167.4	5.1	16.2
- 9.41 -0.56	+ 26.8 + 1.9	1985 CJ1	19860	- 7.53 +1.07	+ 17.8 - 4.7		
1993 05 23	14 25.93	-13 06.5	1.546	2.507	156.4	9.3	16.6
1993 04 23	14 54.68	-13 28.7	1.401	2.393	167.4	5.3	17.6
- 8.97 -0.59	+ 43.8 + 1.6	1985 AE	12005	- 7.19 +1.07	+ 28.7 - 6.2		
1993 05 23	14 27.36	-11 25.4	1.459	2.419	156.1	9.8	17.9
1993 04 23	14 56.08	-20 55.0	1.700	2.683	164.8	5.7	17.7
- 8.95 -0.62	+ 18.8 + 5.1	1990 SV13	18124	- 7.87 +0.93	+ 32.1 - 1.4		
1993 05 23	14 27.99	-19 26.7	1.710	2.678	158.5	8.0	17.9
1993 04 23	14 57.48	-18 57.7	1.439	2.426	165.4	6.0	17.4
- 9.68 -0.61	+ 41.3 + 4.8	2196 P-L	20514	- 7.83 +1.11	+ 44.7 - 4.0		
1993 05 23	14 28.04	-16 32.5	1.498	2.466	158.0	8.9	17.6

1993 04 23	14 56.33	-13 24.0	2.574	3.561	167.0	3.7	18.2
- 7.48 -0.35	+ 51.3 + 1.2	1981 VS	11629	- 6.64 +0.59	+ 42.4 - 4.0		
1993 05 23	14 33.41	-10 53.9	2.618	3.573	157.2	6.3	18.3
1993 04 23	14 57.01	-17 36.9	2.726	3.710	166.0	3.8	16.4
- 7.97 -0.41	+3.9 + 2.1	1992 DK	20033	- 7.45 +0.56	+8.0 - 1.0		
1993 05 23	14 32.10	-17 13.2	2.731	3.695	159.1	5.6	16.5
1993 04 23	14 57.40	-16 04.7	2.015	3.001	166.3	4.5	16.4
- 7.61 -0.51	+ 37.7 + 2.6	(5161)	19993	- 6.88 +0.72	+ 35.6 - 3.4		
1993 05 23	14 33.41	-14 03.8	2.018	2.983	158.5	7.2	16.5
1993 04 23	14 59.30	-07 41.2	1.584	2.569	165.3	5.7	16.5
- 8.85 -0.67	+ 45.9 - 1.2	1992 AT1	19871	- 8.06 +0.89	+ 17.0 - 7.8		
1993 05 23	14 31.04	-05 54.7	1.587	2.537	154.0	10.1	16.7
1993 04 23	14 58.82	-12 53.6	0.997	1.989	166.4	6.8	16.5
- 8.10 -0.89	+ 22.2 + 1.0	4114 T-1	20517	- 6.68 +1.26	+4.0 - 6.7		
1993 05 23	14 32.67	-11 59.9	1.023	1.996	157.5	11.2	16.7
1993 04 23	14 58.97	-08 25.0	1.663	2.649	165.6	5.4	18.2
- 7.76 -0.50	+ 65.2 - 1.2	1260 T-2	15078	- 6.49 +0.85	+ 34.2 - 8.2		
1993 05 23	14 35.10	-05 43.1	1.736	2.686	154.7	9.3	18.5
1993 04 23	15 00.28	-37 47.5	1.368	2.303	151.7	12.0	15.2
- 8.41 -1.02	+8.0 +15.1	(5199)	20132	- 7.83 +1.19	+ 86.2 + 7.6		
1993 05 23	14 31.83	-35 12.3	1.297	2.259	155.8	10.6	15.0
1993 04 23	14 59.66	-30 19.3	2.073	3.028	157.9	7.2	16.5
- 7.89 -0.61	+ 12.3 + 8.0	5162 T-2	15907	- 7.34 +0.76	+ 47.9 + 2.6		
1993 05 23	14 34.28	-28 39.1	2.039	3.006	159.0	6.9	16.5
1993 04 23	15 01.50	-19 25.3	1.961	2.941	164.3	5.3	17.4
- 8.64 -0.52	+ 29.3 + 3.8	(5060)	19667	- 7.60 +0.80	+ 35.5 - 2.1		
1993 05 23	14 34.71	-17 37.0	2.008	2.979	159.8	6.8	17.6
1993 04 23	14 59.49	-08 11.0	2.139	3.123	165.4	4.6	18.0
- 6.47 -0.40	+ 95.0 - 0.6	1981 DZ1	10614	- 5.66 +0.63	+ 66.6 - 8.1		
1993 05 23	14 39.40	-03 54.7	2.200	3.144	154.4	8.0	18.3
1993 04 23	15 01.47	-07 52.7	2.298	3.279	164.9	4.6	18.3
- 7.45 -0.45	+ 67.4 - 0.4	1977 RL7	17197	- 6.92 +0.60	+ 45.1 - 6.5		
1993 05 23	14 37.97	-04 52.7	2.314	3.258	154.7	7.6	18.4
1993 04 23	15 05.00	-27 16.0	1.631	2.596	159.3	7.9	18.2
- 9.39 -0.88	+ 10.2 + 8.4	1979 SS	17198	- 9.26 +0.93	+ 47.5 + 2.3		
1993 05 23	14 33.67	-25 37.9	1.574	2.548	159.6	7.9	18.1
1993 04 23	15 01.66	-15 24.9	2.016	3.000	165.5	4.8	16.8
- 7.38 -0.49	+ 27.4 + 1.8	3076 T-2	14967	- 6.59 +0.70	+ 23.1 - 3.2		
1993 05 23	14 38.52	-13 59.9	2.062	3.031	159.6	6.7	17.0
1993 04 23	15 03.77	-21 57.1	1.488	2.466	162.7	7.0	17.8
- 8.53 -0.84	+ 30.3 + 6.6	1989 GC1	17636	- 8.21 +0.94	+ 49.7 - 1.3		
1993 05 23	14 35.38	-19 42.4	1.447	2.424	160.2	8.1	17.8
1993 04 23	15 04.65	-21 30.0	1.677	2.654	162.7	6.5	17.0
- 8.97 -0.74	+ 44.4 + 6.2	(5172)	19998	- 8.45 +0.88	+ 59.9 - 1.9		
1993 05 23	14 35.54	-18 38.5	1.652	2.627	160.1	7.5	17.0