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EDITORIAL NOTICE

Contributors of perturbed orbital elements are advised that use of the Epoch 1995 Mar. 24.0 TT (rather than 1994 Sept. 5.0 TT) will become effective *following* the 1994 Nov. 18 batch of *MPCs*.

ERRATA

<i>MPC</i>	Line	
23934	22	Remove H. Debehogne, J. Dumoulin,
23956	-36	The orbit for 1992 EX ₂₁ is to be deleted.

CORRECTED OBSERVATIONS

The following observations correct those previously published.

Object	Date	UT	α_{2000}	δ_{2000}	Reference	Mag.	Obs.
1993 FO ₂₉	1993 04 17.48468	11 54 27.32	-08 26 54.1		<i>MPC</i> 23383	17.7	413
(2279)	1954 09 04.43090	01 00 39.53	+03 13 11.4		<i>MPC</i> 22458		675
(2633)	1954 09 04.43090	01 05 45.97	+01 13 23.5		<i>MPC</i> 22459		675

DELETED OBSERVATIONS

The following observations are to be deleted.

Object	Date	UT	α_{2000}	δ_{2000}	Reference	Obs.
1979 SS ₅	* 1979 09 23.90274	23 45 05.69	-04 59 34.2		<i>MPC</i> 6765	095
1992 EX ₂₁	* 1992 03 01.22222	10 59 27.01	+15 37 51.5		<i>MPC</i> 23935	809
1992 EX ₂₁	1992 03 04.23889	10 57 16.28	+15 58 39.9		<i>MPC</i> 23935	809
1992 EX ₂₁	1992 03 05.16458	10 56 36.35	+16 04 52.0		<i>MPC</i> 23935	809
1992 EX ₂₁	1992 03 07.16111	10 55 10.38	+16 17 56.9		<i>MPC</i> 23935	809

IDENTIFICATION CHANGES

Continuation to *MPC* 23881.

Object	Date	UT	α_{2000}	δ_{2000}	Originally	Mag.	Obs.
1953 TY ₃	* 1953 10 10.19965	00 46 37.62	+05 58 24.9		1953 TE ₁	15.8	760
1953 TY ₃	1953 10 10.24758	00 46 35.47	+05 58 01.0		1953 TE ₁		760
1953 TY ₃	1953 10 15.17047	00 42 46.26	+05 14 26.8		1953 TE ₁	15.5	760
1953 TY ₃	1953 10 15.21701	00 42 44.14	+05 14 03.9		1953 TE ₁		760
1953 TY ₃	1953 10 30.09972	00 33 40.81	+03 19 08.7		1953 TE ₁	15.8	760
1953 TY ₃	1953 10 30.14549	00 33 39.43	+03 18 51.0		1953 TE ₁		760
1986 RQ ₁₇	* 1986 09 12.96859	01 19 15.87	+15 31 59.7		1986 RB ₁₁	16.3 V	095
1986 RR ₁₇	* 1986 09 12.96859	01 19 18.37	+15 46 37.4		1986 RA ₁₁	16.0 V	095

ERRONEOUS IDENTIFICATION

The following identification is erroneous:

1953 TE₁ = (1475) Reference: *MPC* 1128

IDENTIFICATIONS

The following identifications with numbered minor planets continue the list on *MPC* 22711:

	Note		Note
1953 TE ₁ = (5210)	1	1953 TY ₃ = (1475)	2

Note 1: by G. V. Williams. 2: by O. Kippes.

INDEX TO ORBITAL ELEMENTS

The following index to orbital elements continues that on *MPC* 22091-22113 and refers to orbits of both comets and minor planets published since then. Only the latest orbit for each object is indexed, and multiple-designation minor planets are listed only under the principal designation.

Comet	<i>MPC</i>	Comet	<i>MPC</i>	Comet	<i>MPC</i>
/1988 XIII	22472	/1989 XV	23105	/1992 XIV	22571
/1992 XVI	22196	/1992 XX	23649	/1992h	23955
/1992q	23479	/1992y	23480	/1993a	23649
/1993e	23765	/1993h	23322	/1993l	23848
/1993m	22794	/1993o	22663	/1993p	23651
/1993q	22663	/1993r	22793	/1993s	23322
/1993t	23322	/1993u	22931	/1993v	23956
/1994a	23322	/1994c	23649	/1994d	23848
/1994f	23766	/1994h	23480	/1994i	23848
/1994k	23956	/1994m	23956	/1994n	23956
/1994o	23956				

Comet	<i>MPC</i>	Comet	<i>MPC</i>
P/Boethin	23482	P/du Toit-Hartley	23483
P/Encke	23483	P/Gehrels 2	23483
P/Grigg-Skjellerup	23483	P/Haneda-Campos	23483
P/Hartley 1	23483	P/Hartley 2	23484
P/Helin-Roman-Alu 1	23482	P/Helin-Roman-Alu 2	23483
P/Holt-Olmstead	23482	P/Johnson	23483
P/Mueller 2	23484	P/Russell 3	23484
P/Russell 4	23482	P/Shoemaker-Holt 1	23484
P/Shoemaker-Levy 4	23482	P/Taylor	23484

P/Wild 2		23956		P/Wirtanen		23482		(1721)	23325	(1735)	23112	(1738)	22667	(1744)	22797	(1753)	23112
P/Wolf-Harrington		23483						(1755)	23325	(1767)	22574	(1792)	23112	(1811)	22667	(1828)	23227
Planet	MPC	Planet	MPC	Planet	MPC	Planet	MPC	Planet	MPC	(1829)	22200	(1840)	23655	(1866)	22574	(1867)	22574
(24)	22472	(26)	23111	(29)	23111	(34)	22200	(37)	23958	(1888)	23112	(1904)	23655	(1907)	22387	(1915)	22667
(41)	22385	(42)	22796	(50)	23226	(57)	22665	(69)	23959	(1917)	22575	(1920)	23325	(1921)	22575	(1926)	22667
(79)	22665	(80)	23111	(83)	22572	(88)	22572	(91)	22572	(1943)	22575	(1963)	23495	(1966)	23655	(1970)	23112
(94)	23324	(101)	22796	(107)	22572	(109)	23226	(112)	23111	(1980)	22667	(1981)	22575	(1993)	23655	(1994)	22201
(118)	22385	(120)	22665	(123)	22665	(131)	22796	(132)	22200	(2006)	22575	(2009)	22473	(2011)	23325	(2024)	23113
(137)	22573	(138)	23654	(139)	22472	(141)	22665	(142)	22665	(2046)	23655	(2059)	22667	(2060)	22797	(2063)	23770
(144)	22665	(146)	22665	(152)	23959	(153)	22385	(155)	22573	(2089)	23113	(2096)	22797	(2105)	23227	(2113)	23495
(156)	22796	(158)	22573	(160)	22573	(162)	23226	(163)	22665	(2156)	23959	(2157)	22473	(2159)	22473	(2168)	22797
(165)	22665	(166)	22665	(174)	22796	(175)	23654	(189)	23324	(2204)	23959	(2205)	22387	(2207)	22575	(2209)	23325
(191)	22573	(192)	22200	(197)	22573	(199)	23111	(202)	23959	(2213)	22575	(2221)	23113	(2225)	22473	(2227)	23655
(203)	22665	(209)	22573	(213)	23654	(216)	22665	(217)	23324	(2234)	23227	(2239)	22201	(2241)	23495	(2242)	23655
(228)	23324	(230)	22200	(234)	22472	(243)	22573	(251)	22573	(2258)	23495	(2260)	22667	(2262)	23655	(2268)	23113
(255)	22665	(261)	22200	(263)	22665	(264)	22573	(270)	22573	(2273)	23227	(2279)	22473	(2289)	23113	(2295)	23227
(277)	22386	(279)	22386	(281)	23226	(287)	22796	(298)	23654	(2301)	23325	(2302)	22473	(2314)	22575	(2316)	23495
(310)	22665	(312)	22665	(317)	23226	(324)	22200	(326)	22472	(2327)	23325	(2330)	23325	(2337)	22667	(2340)	22667
(334)	22386	(338)	22796	(339)	22796	(341)	23324	(345)	23324	(2354)	22667	(2361)	23113	(2370)	23227	(2375)	23959
(346)	22200	(347)	22665	(349)	22200	(350)	22473	(351)	23770	(2378)	23113	(2388)	22667	(2393)	22474	(2398)	23113
(354)	22665	(355)	23654	(362)	23226	(365)	23959	(382)	22573	(2414)	23959	(2423)	23113	(2424)	22575	(2425)	23113
(395)	22665	(399)	23111	(401)	23324	(404)	22573	(407)	22573	(2452)	23959	(2454)	22201	(2456)	22668	(2458)	22387
(412)	22573	(416)	22473	(423)	22386	(426)	22796	(431)	22573	(2463)	22201	(2465)	23495	(2490)	22575	(2492)	22474
(432)	22473	(434)	22386	(444)	22573	(448)	22386	(449)	22573	(2508)	22201	(2532)	22474	(2534)	22798	(2552)	23325
(452)	22386	(455)	22386	(471)	23654	(476)	22473	(477)	22573	(2566)	23113	(2570)	23959	(2574)	23495	(2577)	23852
(479)	23654	(480)	22386	(485)	23226	(486)	22665	(488)	22666	(2594)	22387	(2596)	22474	(2600)	23655	(2604)	23495
(490)	22796	(492)	22666	(495)	22796	(499)	22473	(501)	23959	(2610)	23655	(2625)	23325	(2626)	22798	(2628)	22798
(511)	22573	(514)	22797	(521)	22573	(532)	22574	(534)	22797	(2633)	22575	(2639)	23959	(2641)	22387	(2656)	23227
(545)	22666	(548)	22797	(551)	22473	(554)	23111	(559)	22574	(2662)	23959	(2671)	23770	(2685)	22387	(2691)	22798
(564)	23111	(571)	22574	(577)	23111	(580)	23111	(584)	22574	(2699)	22798	(2705)	23113	(2709)	22798	(2722)	23655
(593)	23111	(598)	22666	(605)	23325	(609)	22666	(611)	22797	(2728)	23959	(2733)	22575	(2739)	22201	(2740)	22575
(616)	23325	(617)	22666	(624)	22797	(626)	22574	(627)	22666	(2744)	23655	(2745)	23656	(2761)	23770	(2772)	23113
(630)	22666	(639)	23654	(649)	23226	(652)	23112	(656)	22666	(2782)	23656	(2783)	23325	(2797)	22575	(2806)	22474
(673)	22797	(679)	22574	(688)	22666	(690)	22666	(703)	23112	(2813)	23325	(2820)	23113	(2824)	22798	(2836)	22798
(704)	22386	(712)	22574	(720)	23112	(735)	23325	(747)	22386	(2843)	22201	(2855)	23227	(2859)	22668	(2869)	22798
(753)	23654	(762)	22574	(770)	23770	(790)	23226	(792)	22666	(2885)	22798	(2886)	23495	(2892)	23113	(2900)	23495
(804)	22666	(811)	22797	(815)	23325	(820)	22574	(829)	22574	(2908)	23770	(2912)	23325	(2918)	23495	(2920)	22668
(847)	23495	(849)	23112	(855)	22574	(864)	23654	(868)	22797	(2934)	22387	(2937)	23770	(2938)	23326	(2947)	23113
(884)	22574	(885)	22473	(891)	23325	(895)	22666	(910)	22574	(2954)	22201	(2965)	23495	(2976)	23113	(2979)	23770
(911)	22666	(917)	23654	(930)	22797	(944)	22797	(945)	23325	(2989)	22474	(2997)	22474	(2999)	23114	(3002)	23656
(953)	22797	(954)	23112	(959)	22574	(979)	23112	(986)	22473	(3008)	22575	(3028)	22387	(3031)	23326	(3046)	22798
(994)	23112	(1002)	22666	(1013)	23112	(1030)	23655	(1054)	22666	(3062)	23227	(3066)	23114	(3070)	22201	(3072)	22387
(1058)	22666	(1063)	22574	(1125)	22473	(1131)	23112	(1143)	22574	(3079)	22668	(3082)	22668	(3084)	23114	(3085)	22798
(1151)	22666	(1172)	22666	(1176)	23112	(1222)	23112	(1223)	22473	(3097)	22474	(3100)	22668	(3107)	22388	(3112)	23326
(1230)	22666	(1241)	22666	(1253)	22797	(1289)	22797	(1327)	23655	(3125)	22668	(3129)	23495	(3130)	23326	(3136)	23326
(1364)	22574	(1403)	23325	(1437)	22667	(1441)	23226	(1444)	23112	(3155)	22474	(3157)	22575	(3161)	22388	(3168)	23656
(1457)	23655	(1459)	22667	(1473)	23325	(1474)	23959	(1485)	23655	(3183)	22474	(3194)	22202	(3197)	23326	(3199)	23852
(1487)	22574	(1501)	22200	(1522)	23495	(1525)	23325	(1529)	23226	(3202)	23495	(3203)	23770	(3206)	23656	(3207)	23114
(1530)	23226	(1531)	22667	(1536)	22473	(1550)	23112	(1552)	22797	(3221)	22202	(3235)	23114	(3236)	23114	(3240)	22474
(1564)	23112	(1565)	23655	(1575)	23655	(1593)	23655	(1627)	22667	(3259)	23959	(3260)	22474	(3264)	23227	(3274)	22474
(1641)	22667	(1645)	22574	(1656)	23959	(1676)	22473	(1677)	22200	(3285)	23959	(3289)	23960	(3290)	22474	(3300)	23114
(1685)	22667	(1696)	23959	(1697)	22386	(1702)	23112	(1712)	23112	(3313)	23960	(3325)	23326	(3334)	22668	(3340)	23114

(3352)	23326	(3361)	22668	(3362)	22575	(3378)	23656	(3384)	23495	(5219)	22799	(5222)	22476	(5233)	23496	(5248)	22577	(5255)	23657
(3386)	23656	(3389)	23770	(3390)	23326	(3397)	23656	(3398)	23495	(5267)	22476	(5272)	23496	(5285)	22577	(5286)	22476	(5323)	22476
(3407)	23227	(3416)	23656	(3420)	22202	(3422)	23114	(3434)	22575	(5328)	22476	(5331)	23116	(5349)	23327	(5350)	23496	(5364)	22203
(3439)	23227	(3454)	23960	(3455)	23227	(3456)	22202	(3458)	23227	(5394)	22476	(5396)	23116	(5413)	23770	(5415)	23657	(5422)	23771
(3472)	23114	(3475)	23960	(3483)	23114	(3490)	22474	(3504)	23114	(5423)	23657	(5427)	22577	(5428)	23497	(5429)	22476	(5485)	22476
(3507)	23114	(3510)	22202	(3512)	22798	(3522)	23114	(3523)	22798	(5487)	22799	(5511)	23497	(5518)	23657	(5567)	22203	(5568)	22203
(3525)	22798	(3529)	22475	(3537)	22388	(3541)	22475	(3546)	23227	(5569)	22204	(5570)	22204	(5571)	22205	(5572)	22205	(5573)	22205
(3547)	22575	(3553)	23960	(3554)	22576	(3555)	23495	(3556)	22202	(5574)	22206	(5575)	22206	(5576)	22207	(5577)	22207	(5578)	22207
(3561)	22798	(3564)	22202	(3581)	23656	(3584)	23326	(3588)	23656	(5579)	22208	(5580)	22577	(5581)	22209	(5582)	22209	(5583)	22210
(3589)	23326	(3603)	22799	(3605)	23326	(3610)	23114	(3613)	23495	(5584)	22210	(5585)	22210	(5586)	22211	(5587)	22211	(5588)	22212
(3636)	23496	(3637)	23114	(3644)	23770	(3647)	22576	(3651)	23114	(5589)	22212	(5590)	22212	(5591)	22213	(5592)	22213	(5593)	22213
(3653)	23770	(3657)	22799	(3659)	22475	(3660)	23656	(3664)	22475	(5594)	22214	(5595)	22214	(5596)	22215	(5597)	22215	(5598)	22215
(3677)	23852	(3691)	23960	(3701)	23227	(3703)	22202	(3718)	23656	(5599)	22216	(5600)	22216	(5601)	22216	(5602)	22217	(5603)	22217
(3724)	23656	(3729)	23326	(3739)	22475	(3741)	23114	(3744)	23496	(5604)	22476	(5605)	22218	(5606)	22218	(5607)	22219	(5608)	22219
(3746)	22475	(3748)	22388	(3755)	22202	(3778)	22475	(3782)	23114	(5609)	23657	(5610)	22220	(5611)	22388	(5612)	22389	(5613)	22389
(3785)	23496	(3803)	23326	(3820)	23326	(3830)	23114	(3836)	22799	(5614)	22389	(5615)	22390	(5616)	22390	(5617)	22391	(5618)	22391
(3839)	23496	(3848)	23656	(3871)	22576	(3883)	22799	(3885)	23656	(5619)	22391	(5620)	22392	(5621)	22392	(5622)	22393	(5623)	22393
(3887)	22202	(3898)	23326	(3900)	23656	(3915)	23326	(3922)	22475	(5624)	22393	(5625)	22394	(5626)	23228	(5627)	22394	(5628)	22395
(3942)	22475	(3966)	22576	(3973)	23656	(3990)	23115	(3993)	22475	(5629)	22395	(5630)	22396	(5631)	22396	(5632)	22396	(5633)	22476
(4002)	23656	(4005)	23657	(4014)	22475	(4021)	23657	(4028)	22475	(5634)	22477	(5635)	22477	(5636)	22477	(5637)	22477	(5638)	23497
(4029)	23657	(4030)	22668	(4032)	23960	(4038)	23960	(4055)	22475	(5639)	22478	(5640)	22478	(5641)	22478	(5642)	22478	(5643)	22478
(4061)	22576	(4068)	23227	(4109)	22576	(4116)	23496	(4139)	23227	(5644)	22479	(5645)	22479	(5646)	22479	(5647)	22479	(5648)	23116
(4142)	23657	(4148)	22799	(4175)	22576	(4177)	22668	(4183)	23960	(5649)	22480	(5650)	22480	(5651)	22480	(5652)	23497	(5653)	23960
(4189)	22668	(4191)	22475	(4195)	22475	(4204)	22799	(4205)	23960	(5654)	22481	(5655)	22481	(5656)	22577	(5657)	22577	(5658)	22577
(4218)	22576	(4220)	23496	(4243)	22799	(4247)	22475	(4260)	23657	(5659)	22577	(5660)	22578	(5661)	22578	(5662)	22578	(5663)	22578
(4271)	22668	(4282)	23960	(4299)	23496	(4310)	22576	(4315)	22202	(5664)	22578	(5665)	22579	(5666)	22579	(5667)	22579	(5668)	22579
(4322)	23115	(4323)	22576	(4326)	23115	(4329)	23228	(4333)	23770	(5669)	22580	(5670)	22580	(5671)	22580	(5672)	22580	(5673)	22580
(4345)	22576	(4349)	23115	(4356)	23115	(4358)	23115	(4364)	23770	(5674)	22581	(5675)	22581	(5676)	22581	(5677)	22581	(5678)	22581
(4375)	23657	(4377)	23228	(4379)	22576	(4380)	22799	(4387)	23496	(5679)	22582	(5680)	22582	(5681)	22582	(5682)	22582	(5683)	22582
(4398)	23228	(4400)	23115	(4405)	23228	(4421)	23115	(4422)	23228	(5684)	22583	(5685)	22583	(5686)	22583	(5687)	22583	(5688)	22583
(4423)	22576	(4424)	23115	(4425)	23770	(4428)	22202	(4438)	23326	(5689)	22584	(5690)	22584	(5691)	22584	(5692)	22584	(5693)	23116
(4449)	22475	(4450)	23960	(4452)	23326	(4454)	22475	(4492)	22668	(5694)	22585	(5695)	22585	(5696)	22585	(5697)	22585	(5698)	22586
(4496)	23496	(4501)	22203	(4504)	22475	(4513)	22799	(4535)	23960	(5699)	22586	(5700)	22586	(5701)	22668	(5702)	22669	(5703)	22669
(4548)	23657	(4563)	22576	(4574)	22475	(4577)	23657	(4580)	22799	(5704)	22669	(5705)	22669	(5706)	22669	(5707)	22670	(5708)	22670
(4586)	22388	(4599)	22799	(4620)	22475	(4625)	23770	(4627)	22475	(5709)	22670	(5710)	22670	(5711)	22671	(5712)	22671	(5713)	22671
(4631)	23657	(4635)	23496	(4638)	22576	(4639)	22799	(4649)	22476	(5714)	22671	(5715)	23497	(5716)	22672	(5717)	22672	(5718)	22672
(4657)	23326	(4660)	23852	(4661)	23115	(4671)	22476	(4675)	22476	(5719)	22672	(5720)	22673	(5721)	22673	(5722)	22673	(5723)	22673
(4680)	23657	(4683)	22668	(4686)	23115	(4687)	22388	(4693)	22668	(5724)	22673	(5725)	23116	(5726)	22674	(5727)	22674	(5728)	22674
(4696)	22576	(4707)	23657	(4727)	22799	(4733)	22576	(4742)	23228	(5729)	22674	(5730)	22675	(5731)	22675	(5732)	22675	(5733)	22676
(4750)	22576	(4762)	22799	(4769)	23770	(4773)	23115	(4776)	23115	(5734)	22676	(5735)	23657	(5736)	22676	(5737)	22676	(5738)	22677
(4779)	23115	(4784)	22668	(4791)	23228	(4792)	23326	(4805)	22576	(5739)	22677	(5740)	22677	(5741)	22677	(5742)	22677	(5743)	23497
(4807)	23228	(4808)	23228	(4814)	23657	(4817)	23228	(4818)	23496	(5744)	22678	(5745)	22678	(5746)	22678	(5747)	22678	(5748)	22679
(4819)	23496	(4827)	23228	(4828)	23228	(4839)	22799	(4852)	22799	(5749)	22679	(5750)	22679	(5751)	22679	(5752)	22680	(5753)	22680
(4853)	23496	(4854)	22799	(4859)	23115	(4861)	22799	(4867)	23657	(5754)	22680	(5755)	22681	(5756)	22681	(5757)	22799	(5758)	23116
(4872)	22476	(4876)	23115	(4888)	23115	(4890)	23496	(4907)	23115	(5759)	22800	(5760)	22800	(5761)	22800	(5762)	22801	(5763)	22801
(4928)	23115	(4929)	22576	(4938)	23657	(4939)	23115	(4940)	22203	(5764)	22801	(5765)	22801	(5766)	22802	(5767)	22802	(5768)	22802
(4946)	22576	(4953)	23770	(4954)	23327	(4957)	23852	(4960)	23228	(5769)	22802	(5770)	22802	(5771)	22803	(5772)	22803	(5773)	22803
(4965)	23115	(5014)	23496	(5019)	23496	(5026)	22476	(5037)	22476	(5774)	22803	(5775)	22803	(5776)	22804	(5777)	22804	(5778)	22804
(5061)	23496	(5073)	22668	(5082)	22476	(5084)	22576	(5099)	22476	(5779)	22804	(5780)	22804	(5781)	22805	(5782)	22805	(5783)	22805
(5101)	23327	(5117)	22799	(5124)	22577	(5130)	22203	(5136)	23496	(5784)	22805	(5785)	22805	(5786)	22806	(5787)	22806	(5788)	22806
(5154)	23496	(5159)	23657	(5163)	22476	(5165)	22476	(5167)	23116	(5789)	22806	(5790)	22807	(5791)	22807	(5792)	22935	(5793)	22935
(5174)	23657	(5175)	22388	(5178)	22203	(5206)	23960	(5214)	22476	(5794)	22936	(5795)	22936	(5796)	22936	(5797)	22936	(5798)	22937

(5799)	22937	(5800)	22937	(5801)	22937	(5802)	22937	(5803)	22938	(6059)	23852	(6060)	23853	(6061)	23853	(6062)	23853	(6063)	23853
(5804)	22938	(5805)	22938	(5806)	22938	(5807)	22939	(5808)	22939	(6064)	23854	(6065)	23854	(6066)	23854	(6067)	23854	(6068)	23855
(5809)	22939	(5810)	22939	(5811)	22939	(5812)	22940	(5813)	22940	(6069)	23855	(6070)	23855	(6071)	23855	(6072)	23855	(6073)	23960
(5814)	22940	(5815)	22940	(5816)	22940	(5817)	22941	(5818)	22941	(6074)	23960	(6075)	23961	(6076)	23961	(6077)	23961	(6078)	23961
(5819)	22941	(5820)	22941	(5821)	22942	(5822)	22942	(5823)	22942	(6079)	23961	(6080)	23962	(6081)	23962	(6082)	23962	(6083)	23962
(5824)	22942	(5825)	22942	(5826)	22943	(5827)	22943	(5828)	22943	(6084)	23962	(6085)	23963	(6086)	23963	(6087)	23963	(6088)	23963
(5829)	22943	(5830)	22944	(5831)	22944	(5832)	22944	(5833)	22944	(6089)	23964	(6090)	23964	(6091)	23964	(6092)	23964	(6093)	23964
(5834)	22944	(5835)	22945	(5836)	22945	(5837)	22946	(5838)	22946	(6094)	23965	(6095)	23965	(6096)	23965	(6097)	23965	(6098)	23966
(5839)	23116	(5840)	23116	(5841)	23116	(5842)	23116	(5843)	23117	(6099)	23966	(6100)	23966	(6101)	23966	(6102)	23966	(6103)	23966
(5844)	23117	(5845)	23117	(5846)	23117	(5847)	23117	(5848)	23118	(6104)	23967	(6105)	23967	(6106)	23967				
(5849)	23118	(5850)	23118	(5851)	23118	(5852)	23119	(5853)	23119	Planet	<i>MPC</i>	Planet	<i>MPC</i>	Planet	<i>MPC</i>	Planet	<i>MPC</i>		
(5854)	23119	(5855)	23119	(5856)	23120	(5857)	23228	(5858)	23228	A913 CF	23120	1930 UX	22967	1931 TC ₂	22696	1932 CP	23990		
(5859)	23229	(5860)	23229	(5861)	23229	(5862)	23229	(5863)	23229	1934 GA	23534	1934 JP	22946	1934 RB	23787	1936 NB	23682		
(5864)	23230	(5865)	23230	(5866)	23230	(5867)	23230	(5868)	23231	1936 SO	23346	1938 SX	23787	1942 CG	22598	1943 DF	22967		
(5869)	23231	(5870)	23231	(5871)	23231	(5872)	23232	(5873)	23232	1948 AA	23682	1948 AF	23682	1949 PN	23346	1949 QL	23682		
(5874)	23232	(5875)	23232	(5876)	23233	(5877)	23233	(5878)	23233	1949 QC ₁	23682	1951 SY	22491	1951 WH	22491	1952 QW	23787		
(5879)	23233	(5880)	23233	(5881)	23234	(5882)	23234	(5883)	23234	1952 SW ₁	22696	1953 GH	22822	1953 GN	23787	1953 TA ₁	22598		
(5884)	23234	(5885)	23234	(5886)	23327	(5887)	23327	(5888)	23327	1955 EH	22491	1955 SF	22429	1957 JP	23346	1964 UP	22822		
(5889)	23327	(5890)	23328	(5891)	23328	(5892)	23328	(5893)	23328	1964 VZ ₂	23967	1966 BB	22270	1966 BL	23682	1967 KB	23131		
(5894)	23658	(5895)	23329	(5896)	23329	(5897)	23329	(5898)	23329	1968 OZ	23990	1969 OX	23868	1969 TM ₁	22491	1969 TR ₁	22967		
(5899)	23330	(5900)	23330	(5901)	23330	(5902)	23330	(5903)	23330	1969 TT ₁	22270	1969 TX ₅	22491	1970 OF	23346	1970 WD	23787		
(5904)	23331	(5905)	23331	(5906)	23331	(5907)	23331	(5908)	23331	1971 FB	22482	1971 OV	22822	1971 QN	23990	1971 SN ₂	22491		
(5909)	23332	(5910)	23332	(5911)	23332	(5912)	23333	(5913)	23333	1971 SX ₃	22696	1971 TF	23787	1971 TY ₂	22967	1971 UK	22822		
(5914)	23333	(5915)	23333	(5916)	23333	(5917)	23334	(5918)	23334	1971 UM	22822	1971 UN	23868	1971 UQ	22696	1971 UD ₁	22429		
(5919)	23334	(5920)	23334	(5921)	23334	(5922)	23335	(5923)	23335	1971 UN ₁	23346	1971 UT ₁	22696	1972 AU	22696	1972 HL	23787		
(5924)	23335	(5925)	23335	(5926)	23497	(5927)	23497	(5928)	23497	1972 PA	23120	1972 RU ₁	22822	1972 RF ₂	22967	1972 RU ₃	23534		
(5929)	23497	(5930)	23498	(5931)	23498	(5932)	23498	(5933)	23498	1972 TC	22967	1972 TF	23131	1973 EK	23245	1973 QR ₁	22221		
(5934)	23499	(5935)	23499	(5936)	23499	(5937)	23499	(5938)	23500	1973 QG ₂	22270	1973 SD ₁	22270	1973 SQ ₃	23534	1973 ST ₃	22491		
(5939)	23500	(5940)	23500	(5941)	23500	(5942)	23500	(5943)	23501	1973 SF ₆	22967	1973 UC	23534	1974 OE	23534	1974 QM ₂	22491		
(5944)	23501	(5945)	23501	(5946)	23501	(5947)	23502	(5948)	23502	1974 RV ₁	23868	1974 RY ₁	23682	1974 ST ₁	23968	1975 EA ₃	23868		
(5949)	23502	(5950)	23502	(5951)	23502	(5952)	23503	(5953)	23503	1975 LF ₁	23120	1975 QC	22491	1975 RP	23245	1975 RA ₂	22947		
(5954)	23503	(5955)	23504	(5956)	23504	(5957)	23504	(5958)	23504	1975 SJ	22823	1975 SR	23787	1975 SX	23968	1975 SA ₁	22491		
(5959)	23504	(5960)	23504	(5961)	23505	(5962)	23505	(5963)	23505	1975 SZ ₁	22696	1975 TE	22270	1975 TO ₂	22807	1975 TR ₂	23682		
(5964)	23505	(5965)	23506	(5966)	23506	(5967)	23506	(5968)	23506	1975 VK ₂	23534	1975 XP ₃	23682	1976 AH	22598	1976 DC	22270		
(5969)	23506	(5970)	23507	(5971)	23507	(5972)	23507	(5973)	23507	1976 DJ ₁	23868	1976 GD ₂	22429	1976 GL ₈	22696	1976 QP	23535		
(5974)	23508	(5975)	23508	(5976)	23508	(5977)	23508	(5978)	23508	1976 QR	23131	1976 QL ₂	22696	1976 SA	22429	1976 SK ₃	22270		
(5979)	23509	(5980)	23509	(5981)	23509	(5982)	23509	(5983)	23509	1976 SQ ₇	22823	1976 SZ ₉	23787	1976 UY	23968	1976 UB ₁	23510		
(5984)	23510	(5985)	23658	(5986)	23658	(5987)	23658	(5988)	23658	1976 UT ₁	22947	1976 UG ₂	23787	1976 UG ₁₅	23787	1976 UP ₁₈	22598		
(5989)	23658	(5990)	23659	(5991)	23659	(5992)	23659	(5993)	23659	1976 YE ₁	22270	1976 YR ₁	22491	1976 YB ₂	23777	1976 YO ₂	22967		
(5994)	23659	(5995)	23660	(5996)	23660	(5997)	23660	(5998)	23660	1976 YL ₃	22967	1977 AL ₁	23347	1977 AZ ₁	22967	1977 DU	22270		
(5999)	23661	(6000)	23661	(6001)	23661	(6002)	23661	(6003)	23661	1977 DB ₁	23787	1977 DD ₁	23787	1977 DF ₂	23120	1977 DQ ₃	23347		
(6004)	23662	(6005)	23662	(6006)	23662	(6007)	23662	(6008)	23663	1977 DX ₃	23968	1977 DS ₄	22807	1977 EL	23787	1977 EX	23535		
(6009)	23663	(6010)	23663	(6011)	23663	(6012)	23663	(6013)	23664	1977 EZ	23968	1977 EK ₁	23535	1977 EO ₁	22598	1977 EA ₆	22823		
(6014)	23664	(6015)	23664	(6016)	23664	(6017)	23665	(6018)	23665	1977 EG ₇	23682	1977 FS	23667	1977 NK	23682	1977 OW	22472		
(6019)	23665	(6020)	23665	(6021)	23665	(6022)	23665	(6023)	23666	1977 OX	23510	1977 QF ₁	23535	1977 QG ₂	22682	1977 QN ₂	22429		
(6024)	23666	(6025)	23666	(6026)	23666	(6027)	23667	(6028)	23667	1977 QQ ₂	23856	1977 QY ₃	23868	1977 QQ ₅	22587	1977 RL	22270		
(6029)	23771	(6030)	23771	(6031)	23771	(6032)	23771	(6033)	23771	1977 RD ₂	23347	1977 RF ₁	22823	1977 RL ₇	23990	1977 RC ₉	23131		
(6034)	23772	(6035)	23772	(6036)	23772	(6037)	23772	(6038)	23773	1977 RQ ₁₉	23347	1977 UO ₅	22696	1978 EU ₉	23535	1978 GA	22270		
(6039)	23773	(6040)	23773	(6041)	23773	(6042)	23773	(6043)	23774	1978 NC	23778	1978 NS	23778	1978 NN ₁	22696	1978 NQ ₁	23787		
(6044)	23774	(6045)	23774	(6046)	23774	(6047)	23775	(6048)	23775	1978 NY ₇	23535	1978 OP	23245	1978 PJ ₂	23787	1978 PS ₂	22947		
(6049)	23775	(6050)	23775	(6051)	23776	(6052)	23776	(6053)	23776	1978 PX ₂	22967	1978 PD ₃	23535	1978 PM ₃	22947	1978 PO ₃	23787		
(6054)	23776	(6055)	23776	(6056)	23777	(6057)	23777	(6058)	23852	1978 PW ₃	22429	1978 QE ₂	22808	1978 QG ₂	23682	1978 QC ₃	23245		

1978 RK	23787	1978 RZ	23131	1978 RG ₁	23535	1978 RK ₁	23868	1981 ED ₁₂	23511	1981 EE ₁₂	22696	1981 EK ₁₂	22270	1981 EL ₁₂	22270
1978 RX ₁	22429	1978 RE ₃	22967	1978 RL ₇	22967	1978 RX ₇	22270	1981 EC ₁₃	22696	1981 EH ₁₃	22587	1981 EM ₁₃	22270	1981 EP ₁₃	23787
1978 RR ₈	22598	1978 RH ₉	22270	1978 RQ ₉	23131	1978 RD ₁₀	22823	1981 EW ₁₃	22696	1981 EZ ₁₃	23511	1981 EC ₁₄	22270	1981 ED ₁₄	22398
1978 SE ₁	22823	1978 SE ₃	22682	1978 SP ₄	22429	1978 SJ ₅	22808	1981 EE ₁₄	22968	1981 EF ₁₄	22429	1981 EO ₁₄	22429	1981 ES ₁₄	22270
1978 SP ₅	22696	1978 SS ₅	23535	1978 SJ ₇	23990	1978 SA ₈	22682	1981 ET ₁₄	22270	1981 EX ₁₄	22270	1981 EY ₁₄	22823	1981 EB ₁₅	22697
1978 TD ₂	23235	1978 TP ₂	22270	1978 TU ₈	22967	1978 UV	23535	1981 EC ₁₅	22429	1981 EJ ₁₅	22270	1981 EP ₁₅	22270	1981 ER ₁₅	22429
1978 UR ₄	23245	1978 UF ₆	23778	1978 UA ₇	22823	1978 UK ₇	23347	1981 ET ₁₅	22948	1981 EX ₁₅	22492	1981 EC ₁₆	22968	1981 EO ₁₆	23132
1978 UV ₇	22947	1978 UW ₇	23667	1978 VP ₂	23535	1978 VZ ₂	23787	1981 EM ₁₇	23787	1981 EV ₁₇	22697	1981 EW ₁₇	22270	1981 EY ₁₇	22823
1978 VF ₃	23245	1978 VY ₃	23856	1978 VR ₄	23787	1978 VD ₅	22429	1981 EF ₁₈	23347	1981 EK ₁₈	23787	1981 EO ₁₈	22483	1981 EQ ₁₈	23787
1978 VG ₅	23245	1978 VA ₆	23856	1978 VB ₆	22270	1978 VV ₆	22598	1981 ER ₁₈	22429	1981 EU ₁₈	22968	1981 EV ₁₈	22492	1981 EY ₁₈	23682
1978 VZ ₆	23968	1978 VD ₇	22967	1978 VZ ₇	22270	1978 VG ₈	22598	1981 EZ ₁₈	23535	1981 ED ₁₉	22823	1981 EF ₁₉	22429	1981 EH ₁₉	23347
1978 VJ ₈	22429	1978 VK ₈	23347	1978 VO ₈	22270	1978 VW ₈	23968	1981 EJ ₁₉	22270	1981 EO ₁₉	22270	1981 EV ₁₉	23788	1981 EY ₁₉	22697
1978 VE ₉	22823	1978 VT ₉	22270	1978 VV ₉	22696	1978 VL ₁₀	22947	1981 EO ₂₀	22697	1981 ET ₂₀	22429	1981 EU ₂₀	22823	1981 EW ₂₀	23788
1978 VT ₁₀	23131	1978 VL ₁₁	22823	1978 VE ₁₅	23347	1978 WC	23347	1981 EF ₂₁	22429	1981 EL ₂₁	23535	1981 EN ₂₁	23990	1981 EO ₂₁	22598
1978 WY ₈	23336	1979 FD ₃	22491	1979 KM	23968	1979 KO	23347	1981 ES ₂₁	22949	1981 EW ₂₁	23682	1981 EA ₂₂	22598	1981 ED ₂₂	23535
1979 KO ₁	22429	1979 MF	23132	1979 MP ₁	22696	1979 MB ₂	22696	1981 EE ₂₂	22271	1981 EJ ₂₂	22492	1981 EO ₂₂	22697	1981 ET ₂₂	23788
1979 MC ₂	22967	1979 MF ₂	23132	1979 MR ₂	23969	1979 MU ₂	22696	1981 EV ₂₂	22949	1981 EJ ₂₂	22398	1981 EC ₂₃	23990	1981 EH ₂₃	23990
1979 MY ₂	23535	1979 MZ ₂	23535	1979 MN ₃	23990	1979 MP ₃	22696	1981 EJ ₂₃	22430	1981 EK ₂₃	23132	1981 ED ₂₄	23132	1981 EH ₂₄	23132
1979 MR ₃	22598	1979 MO ₄	23856	1979 MT ₄	22948	1979 ML ₅	22429	1981 EL ₂₄	22697	1981 EM ₂₄	22697	1981 EQ ₂₄	23347	1981 ER ₂₄	22697
1979 MM ₅	23535	1979 MX ₅	23778	1979 MA ₆	23787	1979 MB ₆	22270	1981 ET ₂₄	22492	1981 EW ₂₄	23245	1981 EC ₂₅	22492	1981 EF ₂₅	22697
1979 MR ₆	23132	1979 MX ₆	23990	1979 MU ₈	23245	1979 OG ₈	23856	1981 EJ ₂₅	22697	1981 EK ₂₅	23132	1981 EP ₂₅	22271	1981 ES ₂₅	23857
1979 QM ₁	22429	1979 QR ₁	23969	1979 QA ₂	23778	1979 QC ₂	23787	1981 ET ₂₅	22398	1981 EX ₂₅	22949	1981 EZ ₂₅	23788	1981 EA ₂₆	23682
1979 QK ₆	22967	1979 QT ₈	22823	1979 QB ₁₀	22491	1979 SJ	22429	1981 EF ₂₆	22271	1981 EM ₂₆	23788	1981 EU ₂₆	23857	1981 EX ₂₆	22588
1979 SO	22967	1979 SR ₂	22270	1979 SU ₁₁	23682	1979 SP ₁₄	23535	1981 EB ₂₇	22271	1981 EF ₂₇	23535	1981 EP ₂₇	23132	1981 ER ₂₇	22271
1979 TS ₂	23535	1979 TT ₂	22696	1979 UR	23969	1979 US	22948	1981 ES ₂₇	23132	1981 ET ₂₇	23132	1981 EY ₂₇	23990	1981 EZ ₂₇	23132
1979 VS ₂	23132	1979 WX ₃	23787	1979 YN	22429	1980 DL	23510	1981 ED ₂₈	22598	1981 EQ ₂₈	22968	1981 EV ₂₈	22271	1981 EA ₂₉	22697
1980 DD ₁	23535	1980 EB	22429	1980 FU	22429	1980 FJ ₁	23990	1981 EE ₂₉	22271	1981 ES ₂₉	23535	1981 ET ₂₉	22271	1981 EV ₂₉	23535
1980 FN ₁	22429	1980 FO ₁	22967	1980 FR ₁	23990	1980 FW ₂	23787	1981 EF ₃₀	22697	1981 EM ₃₀	23132	1981 EX ₃₀	22823	1981 EQ ₃₁	23788
1980 FH ₃	23235	1980 FS ₃	23969	1980 FX ₃	23969	1980 FH ₄	23969	1981 ER ₃₁	23990	1981 EL ₃₂	22430	1981 EO ₃₂	22271	1981 ES ₃₂	22271
1980 FF ₁₂	22270	1980 GL	23990	1980 GO	23347	1980 KM	23787	1981 EZ ₃₂	22271	1981 EB ₃₃	22430	1981 EL ₃₃	22599	1981 EQ ₃₃	23990
1980 LY	22696	1980 PX	23347	1980 PZ	23682	1980 PB ₁	23990	1981 ES ₃₃	22697	1981 EU ₃₃	22697	1981 ED ₃₄	22271	1981 EG ₃₄	23857
1980 PB ₃	22823	1980 RP	23347	1980 RU	22967	1980 RG ₁	22967	1981 EH ₃₄	23132	1981 EK ₃₄	22271	1981 EL ₃₄	22271	1981 EF ₃₅	22271
1980 RX ₁	22397	1980 RV ₂	22598	1980 RB ₈	23990	1980 SG	23682	1981 EJ ₃₅	22271	1981 EK ₃₅	22682	1981 EO ₃₅	22430	1981 ER ₃₅	22823
1980 SQ	22598	1980 TV ₂	23787	1980 TT ₃	23535	1980 TA ₄	22482	1981 ES ₃₅	22271	1981 EL ₃₆	22697	1981 EW ₃₆	22271	1981 EB ₃₇	22430
1980 TQ ₁₄	23787	1980 UC	23868	1980 UL	23535	1980 UL ₁	22696	1981 EU ₃₇	22430	1981 EZ ₃₇	22271	1981 EM ₃₈	22430	1981 EW ₃₈	22697
1980 UM ₁	22492	1980 VX ₁	22967	1980 VA ₃	22492	1980 WE ₅	23667	1981 EY ₃₈	22271	1981 EA ₃₉	23778	1981 EB ₃₉	23857	1981 EG ₃₉	23788
1981 BC	23510	1981 CB ₁	22598	1981 DM	22429	1981 DN	22696	1981 ES ₃₉	22430	1981 EA ₄₀	23788	1981 EB ₄₀	23970	1981 ED ₄₀	23857
1981 DX	23969	1981 DB ₁	23990	1981 DS ₁	22696	1981 DF ₂	22967	1981 EJ ₄₀	22823	1981 EM ₄₀	22271	1981 ER ₄₀	22271	1981 EY ₄₀	22271
1981 DD ₃	23121	1981 DO ₃	23856	1981 EN	23990	1981 EQ	23787	1981 EA ₄₁	22271	1981 EK ₄₁	22968	1981 EL ₄₁	22697	1981 EV ₄₁	22430
1981 EB ₁	23787	1981 EH ₁	22429	1981 EN ₂	22429	1981 EM ₃	22948	1981 EX ₄₁	23788	1981 EA ₄₂	23347	1981 EQ ₄₂	22430	1981 ET ₄₂	22968
1981 EX ₃	22696	1981 EO ₄	22696	1981 ES ₄	22492	1981 EX ₄	22429	1981 EA ₄₃	22697	1981 EQ ₄₃	22697	1981 ER ₄₃	22430	1981 ET ₄₃	22271
1981 EF ₅	23682	1981 EG ₅	23856	1981 EK ₅	22270	1981 EL ₅	22967	1981 EM ₄₅	23245	1981 EY ₄₅	22271	1981 EE ₄₆	22430	1981 EV ₄₆	22599
1981 EM ₅	22429	1981 EP ₆	23970	1981 EA ₇	23682	1981 EJ ₇	23787	1981 ER ₄₇	23535	1981 ES ₄₇	22697	1981 EZ ₄₇	22492	1981 FL	23788
1981 EK ₇	23787	1981 ET ₇	23990	1981 EU ₇	22587	1981 EV ₇	22270	1981 FP	22697	1981 FT	23788	1981 FC ₁	23857	1981 GG	23682
1981 EC ₈	22270	1981 EK ₈	22696	1981 EM ₈	22429	1981 ES ₈	22429	1981 JE ₂	22697	1981 JB ₃	23682	1981 KJ	22697	1981 OH	23788
1981 ET ₈	23535	1981 EA ₉	22823	1981 EB ₉	22823	1981 EH ₉	22696	1981 QE	23535	1981 QE ₂	22430	1981 QQ ₂	22430	1981 QV ₂	23788
1981 EJ ₉	22429	1981 EO ₉	22968	1981 EQ ₉	23787	1981 ES ₉	23787	1981 QK ₃	23857	1981 QT ₃	22823	1981 RO ₁	23682	1981 RA ₂	23788
1981 ET ₉	22270	1981 EW ₉	22397	1981 EY ₉	22968	1981 EC ₁₀	22429	1981 RB ₂	22492	1981 RQ ₂	22697	1981 RC ₅	23858	1981 RG ₅	23682
1981 EK ₁₀	22598	1981 EL ₁₀	22968	1981 EP ₁₀	22696	1981 ES ₁₀	22270	1981 SE	22823	1981 SJ	23132	1981 SN	22968	1981 SO	23682
1981 ET ₁₀	23245	1981 EV ₁₀	22270	1981 EX ₁₀	22492	1981 EZ ₁₀	22492	1981 SN ₁	23347	1981 SY ₁	23682	1981 SE ₂	23132	1981 SA ₅	23535
1981 EB ₁₁	22429	1981 ED ₁₁	22270	1981 EE ₁₁	22270	1981 EG ₁₁	23535	1981 SC ₇	22823	1981 UT	22599	1981 UD ₂	22271	1981 UT ₇	22271
1981 EO ₁₁	22270	1981 ER ₁₁	22429	1981 EZ ₁₁	22808	1981 EA ₁₂	23132	1981 UM ₁₁	22430	1981 UO ₁₁	23511	1981 UQ ₁₁	22968	1981 US ₁₄	23245

1981 UK ₂₂	23336	1981 UM ₂₂	23347	1981 UH ₂₈	23668	1981 UL ₂₉	23970	1986 AA ₂	22824	1986 CB	23683	1986 CP ₁	22824	1986 CS ₁	22430
1981 UQ ₂₉	23347	1981 VF	23990	1981 VK	23245	1981 VS	22968	1986 CD ₂	23536	1986 CF ₂	23236	1986 EN	23788	1986 EZ	23348
1981 VU	23682	1981 WO	23668	1981 WA ₁	23682	1981 WE ₉	23990	1986 EQ ₂	22698	1986 EQ ₅	23348	1986 GD	22271	1986 GF	22430
1981 XM ₂	22823	1982 BA	22271	1982 BM	22808	1982 BS	22823	1986 GZ	22271	1986 JC	22430	1986 JD	22271	1986 PF	23868
1982 BU	22223	1982 BE ₁	23347	1982 BS ₁	23535	1982 BP ₂	23990	1986 PD ₁	22683	1986 PQ ₁	22698	1986 PU ₁	23788	1986 PN ₄	22698
1982 BQ ₂	22492	1982 FC	22492	1982 FN	23682	1982 FG ₃	22430	1986 PX ₄	23990	1986 PY ₄	23122	1986 PK ₆	22968	1986 QQ	23788
1982 FS ₃	23682	1982 FX ₃	22588	1982 HJ	22949	1982 JD ₁	22492	1986 QS	22493	1986 QJ ₁	23236	1986 QN ₁	23971	1986 QS ₁	22599
1982 JE ₁	23788	1982 KK ₁	22682	1982 OF	23788	1982 QD	23682	1986 QX ₁	22430	1986 QE ₂	23348	1986 QG ₂	22968	1986 QJ ₂	22698
1982 QG	23682	1982 QM	23682	1982 QO	22809	1982 QK ₃	22968	1986 QB ₃	23246	1986 QN ₃	23132	1986 QS ₃	23683	1986 QV ₃	22968
1982 RK	23682	1982 RR	23970	1982 RZ	23778	1982 RK ₁	22271	1986 QX ₃	23990	1986 QO ₄	22810	1986 RK	22824	1986 RQ	22698
1982 RO ₁	23535	1982 SL ₁	23682	1982 SA ₄	23682	1982 SO ₄	23132	1986 RW	23683	1986 RS ₁	22968	1986 RE ₂	23868	1986 RX ₂	23536
1982 SX ₅	23682	1982 SL ₆	23535	1982 SM ₆	22697	1982 SC ₈	23970	1986 RG ₃	23788	1986 RY ₄	22950	1986 RA ₅	23788	1986 RB ₅	22824
1982 SG ₁₂	23121	1982 TX	23868	1982 TB ₂	23682	1982 TQ ₂	23535	1986 RD ₅	23683	1986 RN ₅	22968	1986 RT ₅	22430	1986 RB ₁₂	22698
1982 UP	23682	1982 UD ₂	23535	1982 UM ₂	22492	1982 UZ ₂	23121	1986 SD	23779	1986 SF	22824	1986 SZ ₁	23990	1986 SC ₂	22430
1982 UU ₅	23990	1982 UX ₅	22697	1982 UE ₆	22950	1982 US ₆	23990	1986 TC	23348	1986 TR ₂	23122	1986 TR ₃	23132	1986 TX ₃	23971
1982 UA ₇	22271	1982 UD ₇	23990	1982 UJ ₇	22968	1982 UQ ₁₀	22271	1986 TR ₄	23536	1986 TU ₆	23683	1986 TW ₉	23868	1986 TB ₁₂	23536
1982 VZ	23122	1982 VA ₁	23990	1982 VB ₁	23536	1982 VY ₂	23683	1986 UO	23990	1986 UV	23536	1986 UY	23132	1986 UH ₃	23990
1982 XQ ₁	22968	1983 BH	23683	1983 CA ₁	22492	1983 CQ ₂	23336	1986 VM	23683	1986 VY	22599	1986 VB ₁	23246	1986 WV ₁	23858
1983 CQ ₃	23536	1983 EU	23990	1983 EB ₁	22968	1983 EM ₁	23990	1986 WM ₅	22272	1986 WO ₇	23683	1986 WO ₉	23868	1986 XH	22969
1983 LL	23536	1983 PX	22968	1983 QC	23512	1983 QE	23347	1986 XX	22810	1986 XF ₁	23536	1987 BB	22969	1987 BO ₁	23132
1983 QV	23848	1983 RT ₁	22484	1983 RB ₂	23536	1983 RG ₂	22430	1987 BB ₂	23336	1987 BC ₂	23536	1987 BS ₂	23132	1987 DF	23536
1983 RM ₂	22271	1983 RR ₂	23970	1983 RM ₃	22697	1983 RQ ₃	23668	1987 DG ₆	22969	1987 DH ₆	22484	1987 DW ₆	22599	1987 HE	23788
1983 RX ₃	22697	1983 RQ ₄	23683	1983 RR ₄	23990	1983 RY ₄	23347	1987 HK	23132	1987 HM ₁	23669	1987 JG	23788	1987 KB	23683
1983 UC	23132	1983 UG	23236	1983 VQ ₁	22697	1983 VS ₁	22599	1987 MC	23868	1987 ML ₁	22969	1987 MM ₁	22493	1987 QN	23788
1983 VN ₇	22824	1983 WJ	22968	1983 WM	22968	1983 WF ₁	22430	1987 QR	23990	1987 QS	22599	1987 QT ₁	23536	1987 QZ ₁	23536
1983 XE	22599	1983 XG	22492	1983 XW	22968	1983 XH ₁	23347	1987 QW ₂	23132	1987 QH ₃	23990	1987 QF ₇	23683	1987 QS ₇	22969
1983 YK	23348	1984 AR	22968	1984 CF	23683	1984 CM	22589	1987 QR ₁₁	23683	1987 RG	22969	1987 RJ	22824	1987 RC ₁	23132
1984 DA	22697	1984 DB	22271	1984 DR	23132	1984 DY	23348	1987 RE ₁	23971	1987 RQ ₂	22824	1987 RO ₃	23536	1987 RU ₃	23990
1984 DZ	23132	1984 DE ₁	23990	1984 EY	22824	1984 EU ₁	23122	1987 RV ₃	23536	1987 RT ₅	22824	1987 SQ	23848	1987 SJ ₁	22493
1984 FK	23668	1984 HM ₁	23122	1984 HP ₁	23683	1984 HR ₁	23788	1987 SL ₁	23536	1987 SW ₁	23990	1987 SH ₂	23990	1987 SF ₃	23513
1984 HS ₁	23683	1984 JN	23236	1984 MQ	22492	1984 QJ	23683	1987 SG ₃	23868	1987 SH ₃	23788	1987 SJ ₃	23536	1987 SC ₄	22272
1984 QY ₁	22197	1984 SH	22430	1984 SR	23536	1984 SB ₁	23970	1987 SH ₄	23536	1987 SO ₅	22698	1987 SC ₆	23246	1987 SZ ₆	23132
1984 SC ₁	22599	1984 SG ₁	22824	1984 SR ₂	23990	1984 SL ₃	23512	1987 SF ₇	23990	1987 SH ₇	23683	1987 SO ₉	22599	1987 SS ₉	22969
1984 SY ₅	22271	1984 SC ₆	23778	1984 SJ ₇	23990	1984 TD	23512	1987 SL ₁₀	23990	1987 SQ ₁₀	23971	1987 SN ₁₁	22698	1987 ST ₁₁	22272
1984 UD	22683	1984 UT	23246	1984 UK ₁	23683	1984 UX ₂	22824	1987 SV ₁₂	22824	1987 SE ₁₃	22825	1987 SP ₁₅	22951	1987 SS ₁₇	22969
1984 UB ₃	23990	1984 UD ₃	22492	1984 YY ₁	22698	1984 YE ₄	22492	1987 ST ₁₇	23868	1987 SU ₁₇	23990	1987 UG	22599	1987 UT	23971
1985 BH	23788	1985 CH ₁	23788	1985 CJ ₁	23868	1985 CM ₁	23788	1987 UW	22969	1987 UW ₁	22493	1987 UZ ₁	23779	1987 UP ₂	23788
1985 CN ₁	23788	1985 CV ₁	23132	1985 CZ ₁	23990	1985 CA ₂	23683	1987 UQ ₃	22493	1987 US ₄	23868	1987 VB	23788	1987 VQ	23990
1985 CN ₂	22224	1985 CR ₂	22599	1985 DC ₁	23246	1985 DW ₁	23970	1987 VT	23348	1987 VA ₁	23348	1987 VC ₁	23683	1987 WF	23991
1985 FH	22271	1985 GK	23788	1985 GS	22809	1985 GA ₁	22492	1987 WT ₁	23348	1987 WV ₁	23868	1987 WU ₂	23858	1987 WS ₃	23683
1985 HL	23990	1985 HS ₁	23788	1985 JY	23246	1985 JN ₁	23788	1987 YD	23683	1987 YK	22493	1987 YS ₁	22272	1988 AO ₁	23788
1985 JW ₁	23536	1985 PO	22599	1985 PT	23779	1985 PL ₁	22698	1988 AT ₁	23788	1988 AW ₁	23133	1988 AX ₄	23972	1988 AA ₅	22272
1985 PG ₂	22968	1985 QA ₁	22968	1985 QX ₄	22824	1985 QP ₅	22698	1988 AE ₅	22825	1988 BC	22272	1988 BW	22400	1988 BX	23868
1985 QD ₆	22968	1985 RD	23683	1985 RQ	22698	1985 RU	22492	1988 BP ₃	23991	1988 BX ₃	22430	1988 CA	22272	1988 CG	22969
1985 RV	22968	1985 RW	22492	1985 RP ₁	23236	1985 RZ ₁	22271	1988 CH	22272	1988 CJ	23536	1988 CV	23669	1988 CP ₁	22430
1985 RU ₂	22824	1985 RC ₄	23683	1985 RJ ₄	23536	1985 RR ₄	23788	1988 CX ₁	22969	1988 CC ₂	23789	1988 CH ₂	22599	1988 CF ₃	23789
1985 RM ₆	22683	1985 SM ₂	23971	1985 SX ₂	22698	1985 SJ ₃	23536	1988 CK ₄	22951	1988 CW ₄	22599	1988 CF ₇	23868	1988 CG ₇	23513
1985 SL ₃	23348	1985 SW ₄	22698	1985 TD	23669	1985 TR	22968	1988 CQ ₇	23972	1988 DO ₁	22969	1988 DE ₂	23789	1988 DF ₂	23972
1985 TU	22824	1985 TM ₁	23348	1985 TQ ₁	23683	1985 TY ₁	22493	1988 DJ ₂	23789	1988 EB ₁	22484	1988 ED ₁	23991	1988 ER ₁	22698
1985 TA ₂	22824	1985 TD ₃	23683	1985 TW ₃	23683	1985 UC	22698	1988 FF	22493	1988 FS ₂	23991	1988 FW ₂	22951	1988 GB	23991
1985 UJ	23512	1985 UQ	23348	1985 UF ₃	22698	1985 UH ₃	23536	1988 GD	22825	1988 GL	22698	1988 HA	23991	1988 JP	23246
1985 UF ₅	23683	1985 VE	23536	1985 VG	23868	1986 AJ	23683	1988 JB ₁	23991	1988 KA	23683	1988 LC	23789	1988 LE	22400

1988 LH	22825	1988 MF	22430	1988 MG	23246	1988 NC	22485	1989 RW	23991	1989 RB ₂	22493	1989 RD ₂	22825	1989 RO ₂	23537
1988 NR	23133	1988 PK	22430	1988 PF ₁	23513	1988 PG ₁	22825	1989 SE	22825	1989 SF	23537	1989 SG	23133	1989 SQ	23246
1988 PL ₁	22493	1988 PX ₁	23536	1988 PL ₂	22383	1988 PO ₂	22383	1989 SR	23973	1989 SU	22825	1989 SX	22685	1989 SD ₁	22969
1988 PP ₂	22383	1988 PQ ₂	22383	1988 PX ₂	23133	1988 PE ₄	22383	1989 SF ₁	22685	1989 SL ₁	23684	1989 SZ ₁	22699	1989 SR ₂	22969
1988 QW	23683	1988 QC ₁	22383	1988 QD ₁	22825	1988 RD	23536	1989 SD ₃	23237	1989 SH ₃	23789	1989 SU ₃	22493	1989 SV ₃	23123
1988 RD ₁	23991	1988 RE ₁	22383	1988 RG ₁	23683	1988 RV ₁	22401	1989 SR ₄	23133	1989 SL ₅	23991	1989 SO ₈	23537	1989 TE	23246
1988 RY ₁	22383	1988 RA ₂	23683	1988 RE ₂	22969	1988 RH ₂	23669	1989 TG	23973	1989 TN	22969	1989 TO	23789	1989 TT	22686
1988 RN ₂	22383	1988 RO ₂	23991	1988 RR ₂	23246	1988 RH ₃	22383	1989 TW	23246	1989 TJ ₁	22969	1989 TT ₁	23133	1989 TJ ₂	23337
1988 RM ₃	22383	1988 RO ₃	22383	1988 RP ₃	22383	1988 RU ₃	22969	1989 TB ₅	22591	1989 TU ₁₀	23133	1989 TB ₁₁	23684	1989 TP ₁₁	22811
1988 RO ₄	23991	1988 RS ₄	23133	1988 RX ₄	22969	1988 RD ₅	23133	1989 TZ ₁₁	22571	1989 TL ₁₅	23991	1989 TO ₁₅	23337	1989 TX ₁₅	23349
1988 RK ₅	23683	1988 RD ₆	23868	1988 RL ₆	22383	1988 RU ₆	23133	1989 TA ₁₆	22699	1989 UA	22699	1989 UE	23684	1989 UL	22599
1988 RC ₇	22383	1988 RM ₇	22969	1988 RH ₈	22383	1988 RJ ₈	22383	1989 UQ	22811	1989 UK ₁	22812	1989 UL ₁	22825	1989 UN ₁	22969
1988 RC ₉	22383	1988 RF ₉	23536	1988 RK ₉	22599	1988 RE ₁₀	23133	1989 UO ₁	23133	1989 UU ₁	23684	1989 UV ₁	23973	1989 UA ₃	23537
1988 RN ₁₀	23246	1988 RV ₁₀	22969	1988 RW ₁₀	22825	1988 RA ₁₁	22825	1989 UB ₃	23133	1989 UG ₃	22825	1989 UJ ₃	23973	1989 UL ₃	23684
1988 RN ₁₁	23133	1988 RR ₁₁	22383	1988 RD ₁₂	23246	1988 RG ₁₂	22383	1989 UN ₃	23869	1989 UX ₅	23537	1989 UB ₈	22699	1989 VA	23514
1988 RH ₁₂	23348	1988 RJ ₁₂	22383	1988 RL ₁₂	22383	1988 RM ₁₂	22383	1989 VK	22699	1989 VW	22431	1989 VC ₂	22272	1989 VS ₂	22571
1988 RN ₁₂	22383	1988 RR ₁₂	22383	1988 RS ₁₂	22431	1988 RX ₁₂	22969	1989 VN ₅	23133	1989 VZ ₅	22571	1989 WC	22969	1989 WD	23246
1988 RY ₁₂	22383	1988 RZ ₁₂	22383	1988 RA ₁₃	22383	1988 SA	22383	1989 WS	23246	1989 WW	23869	1989 WJ ₁	23133	1989 WL ₁	22970
1988 SC	23348	1988 SD	22431	1988 SP	23536	1988 SQ	22383	1989 WQ ₁	23133	1989 WA ₂	22970	1989 WB ₂	22970	1989 WC ₂	22825
1988 SN ₁	22383	1988 SU ₁	22383	1988 SV ₁	22383	1988 SX ₁	22384	1989 WS ₂	23337	1989 WU ₂	23991	1989 WH ₃	22812	1989 WG ₄	23514
1988 SA ₂	22384	1988 SB ₂	22384	1988 SE ₂	22384	1988 SG ₂	22384	1989 WK ₄	23684	1989 WG ₇	22699	1989 WL ₇	23246	1989 XM	22813
1988 SK ₂	23133	1988 SM ₂	22384	1988 SQ ₂	22384	1988 SS ₂	22384	1989 XD ₁	23246	1989 YG	23869	1989 YF ₁	23337	1989 YA ₂	23349
1988 SU ₂	22384	1988 SY ₂	22384	1988 SP ₃	22384	1988 TD	23536	1989 YL ₅	23537	1989 YO ₅	22970	1989 YS ₆	23684	1989 YX ₆	23991
1988 TL	22272	1988 TN	23683	1988 TB ₁	22493	1988 TX ₁	22685	1990 BF	23684	1990 BV	23537	1990 BW	22431	1990 BX	22826
1988 TC ₂	23683	1988 TJ ₂	23868	1988 TN ₂	23683	1988 TQ ₄	22969	1990 BZ	23349	1990 BE ₁	23237	1990 BG ₁	22826	1990 BH ₁	23349
1988 UC	22825	1988 VB	22969	1988 VP	23536	1988 VD ₁	22825	1990 BB ₂	23349	1990 BN ₂	23246	1990 DW	22384	1990 DS ₁	23789
1988 VJ ₂	23537	1988 VK ₂	23246	1988 VM ₂	22969	1988 VQ ₂	23348	1990 DD ₂	23684	1990 DL ₃	23684	1990 DU ₄	22571	1990 EC ₁	23514
1988 VR ₂	23133	1988 VD ₃	22493	1988 VN ₃	23537	1988 VO ₃	23789	1990 EO ₄	23537	1990 EA ₅	22494	1990 EA ₇	23237	1990 EL ₇	22431
1988 VS ₃	23670	1988 VZ ₃	22599	1988 VH ₅	23537	1988 VO ₅	23684	1990 FL	23789	1990 FR	23869	1990 FD ₁	22970	1990 FT ₁	23537
1988 WF	22825	1988 XC	22698	1988 XK	22272	1988 XP	23537	1990 GS	23537	1990 HD	22571	1990 HL ₁	23858	1990 HM ₁	23349
1988 XR	23684	1988 XT	23537	1988 XD ₁	23537	1988 XJ ₁	22698	1990 HU ₁	23991	1990 HO ₃	23973	1990 JN ₁	22592	1990 KE	23514
1988 XQ ₁	23972	1988 XU ₁	23133	1988 XX ₁	23348	1988 XG ₂	22969	1990 KG	23789	1990 KK	22699	1990 KM	23869	1990 KB ₁	22272
1988 XV ₂	22493	1988 XB ₅	22226	1988 YB	22825	1989 AE	23779	1990 KC ₁	23684	1990 OB	23789	1990 OD	23869	1990 OF	23973
1989 AG	23537	1989 AK	23789	1989 AM	22699	1989 AT	23513	1990 OH	23780	1990 OV	22402	1990 OS ₁	23537	1990 OE ₂	23869
1989 AB ₃	23133	1989 AD ₃	23684	1989 AL ₃	22272	1989 AA ₅	23670	1990 OJ ₂	23789	1990 OK ₂	23991	1990 ON ₂	22592	1990 OO ₂	22272
1989 AW ₅	22226	1989 AS ₆	23670	1989 AF ₇	23868	1989 AL ₇	23684	1990 OO ₃	23991	1990 OQ ₃	22600	1990 OT ₃	22494	1990 OT ₄	23684
1989 BA	22401	1989 BC	23684	1989 BG	23789	1989 BR ₁	23246	1990 QB	22494	1990 QE	23973	1990 QF	23789	1990 QG	23537
1989 BV ₁	23537	1989 CD	23537	1989 CF	23789	1989 CH	23789	1990 QL	22494	1990 QM	23537	1990 QC ₁	22272	1990 QJ ₁	23789
1989 CN	23991	1989 CV	22699	1989 CQ ₂	23991	1989 CS ₂	23537	1990 QP ₁	23991	1990 QS ₁	23537	1990 QB ₂	22229	1990 QD ₂	22431
1989 CL ₃	23348	1989 CH ₄	23537	1989 CB ₆	23514	1989 CW ₇	22571	1990 QL ₂	23789	1990 QM ₂	22699	1990 QR ₂	22813	1990 QS ₂	22272
1989 CD ₈	23123	1989 EC	23537	1989 EH ₁	22431	1989 EJ ₁	23348	1990 QK ₃	23789	1990 QL ₃	22272	1990 QP ₃	22970	1990 QW ₃	22494
1989 EW ₁	23868	1989 EC ₂	23348	1989 EY ₂	23537	1989 EC ₃	23789	1990 QY ₃	23991	1990 QJ ₄	23514	1990 QM ₄	22600	1990 QT ₄	22403
1989 FG	22493	1989 GH	23868	1989 GJ	23868	1989 GM	23868	1990 QV ₄	23780	1990 QJ ₅	23859	1990 QX ₅	23974	1990 QB ₆	22229
1989 GB ₁	23684	1989 GZ ₁	22969	1989 GA ₃	22825	1989 GB ₃	23991	1990 QO ₆	22273	1990 QK ₇	23515	1990 QB ₈	23515	1990 QE ₈	23515
1989 GE ₃	23670	1989 GT ₃	23789	1989 GF ₄	23684	1989 GG ₄	22402	1990 QP ₈	23974	1990 QB ₉	23859	1990 QN ₉	23859	1990 RD	23515
1989 GH ₄	22699	1989 GL ₄	23514	1989 GN ₄	23972	1989 GP ₄	22431	1990 RF	23671	1990 RO ₁	22494	1990 RC ₂	22197	1990 RE ₂	23991
1989 GQ ₄	23972	1989 GT ₄	23789	1989 GD ₅	23537	1989 GE ₈	23780	1990 RG ₂	23671	1990 RH ₂	23789	1990 RK ₂	23789	1990 RO ₂	23338
1989 GF ₈	22493	1989 HD	23991	1989 HG	23868	1989 JF	22825	1990 RQ ₂	22826	1990 RR ₂	22600	1990 RS ₂	22970	1990 RC ₃	23991
1989 KA	22699	1989 KB	22699	1989 KE	22228	1989 LA	22272	1990 RN ₃	22494	1990 RW ₃	22273	1990 RH ₄	22600	1990 RA ₅	23991
1989 LT	22485	1989 NM	23789	1989 NY	23237	1989 NE ₁	22699	1990 RD ₅	23974	1990 RE ₅	22273	1990 RF ₆	23780	1990 RE ₇	23537
1989 NK ₁	23349	1989 OL	22825	1989 OM	23972	1989 PK	22699	1990 RH ₇	23671	1990 RK ₇	22813	1990 RC ₈	23780	1990 RQ ₈	23515
1989 PU	22599	1989 QF	23991	1989 RG	23133	1989 RJ	23684	1990 RX ₈	23859	1990 RD ₉	23869	1990 RV ₁₇	22384	1990 RB ₁₈	22384

1990 RM ₁₈	22384	1990 RN ₁₈	22384	1990 SK	22699	1990 SL	22431	1991 GK ₄	22688	1991 GV ₄	22571	1991 GY ₄	23349	1991 GT ₅	23976
1990 SM	23225	1990 SH ₁	23789	1990 SN ₁	23515	1990 SA ₂	22699	1991 GC ₆	23991	1991 GG ₆	23977	1991 GP ₆	23977	1991 GC ₇	22826
1990 SL ₂	23781	1990 SK ₃	22600	1990 SN ₄	23991	1990 SO ₄	22970	1991 GX ₇	22814	1991 GH ₈	23977	1991 GW ₈	23977	1991 GE ₉	22431
1990 SS ₅	22970	1990 SB ₆	23515	1990 SM ₆	23133	1990 SR ₆	23974	1991 GU ₉	23538	1991 GZ ₆	22700	1991 GC ₁₀	23977	1991 GP ₁₀	23349
1990 SP ₇	23537	1990 SG ₈	23974	1990 SK ₈	23859	1990 SY ₈	22486	1991 GQ ₁₀	23247	1991 HA	22826	1991 HC	23238	1991 JA	23349
1990 SL ₉	23238	1990 SM ₉	23537	1990 SS ₉	23974	1990 ST ₁₀	23789	1991 JL	23247	1991 JP	23538	1991 JW	22431	1991 JB ₁	23538
1990 SU ₁₀	22273	1990 SK ₁₁	23789	1990 SV ₁₂	23672	1990 SV ₁₃	22273	1991 JF ₁	23869	1991 JG ₁	23516	1991 JH ₁	23349	1991 KA	23538
1990 SQ ₁₆	23789	1990 SL ₂₈	23991	1990 SO ₂₈	23684	1990 TF	22431	1991 LW	22486	1991 LH ₁	23782	1991 LK ₂	23977	1991 NF	23991
1990 TJ	23789	1990 TN	22699	1990 TL ₁	22494	1990 TN ₁	22826	1991 NP	23538	1991 NQ	23349	1991 NU	23349	1991 NE ₁	23538
1990 TO ₁	23133	1990 TK ₃	22431	1990 TF ₄	23684	1990 TL ₆	23789	1991 NG ₁	22273	1991 NL ₁	22273	1991 NS ₁	23349	1991 NR ₂	23684
1990 TH ₇	23974	1990 TM ₇	23974	1990 TE ₈	23975	1990 TK ₈	22494	1991 NS ₂	22273	1991 NZ ₆	23790	1991 NE ₇	23338	1991 OW	23684
1990 TX ₈	23975	1990 TU ₁₀	23789	1990 TG ₁₁	22953	1990 TH ₁₂	23991	1991 OL ₁	22273	1991 PE	23538	1991 PS	23790	1991 PQ ₁	23672
1990 TR ₁₂	23869	1990 TT ₁₂	23991	1990 UF	23538	1990 UJ	22486	1991 PR ₁	23339	1991 PB ₂	23124	1991 PO ₂	23538	1991 PY ₂	23516
1990 UR	23859	1990 UH ₁	22953	1990 UK ₁	22600	1990 UR ₁	23349	1991 PE ₅	23538	1991 PS ₆	23247	1991 PJ ₇	23538	1991 PN ₇	23672
1990 UF ₂	22699	1990 UJ ₂	23991	1990 UO ₂	22494	1990 UP ₃	23246	1991 PT ₇	23517	1991 PK ₈	23238	1991 PL ₈	22571	1991 PF ₁₀	22494
1990 UQ ₃	23860	1990 US ₃	23975	1990 UW ₃	22431	1990 UR ₄	22273	1991 PZ ₁₁	23538	1991 PB ₁₂	22273	1991 PH ₁₂	22273	1991 PR ₁₂	23134
1990 UJ ₅	23672	1990 UT ₅	23975	1990 UL ₁₁	23860	1990 UN ₁₃	23975	1991 PT ₁₂	22232	1991 PZ ₁₂	23790	1991 PJ ₁₃	22571	1991 PO ₁₃	22486
1990 VB	23991	1990 VZ	23789	1990 VC ₁	22826	1990 VE ₁	23789	1991 PZ ₁₄	22571	1991 PF ₁₅	23869	1991 PH ₁₅	23684	1991 PG ₁₇	23673
1990 VX ₁	22592	1990 VL ₂	22970	1990 VS ₂	22494	1990 VV ₂	23484	1991 PC ₁₈	22487	1991 QF	23339	1991 QG	23684	1991 RG	23991
1990 VX ₂	22700	1990 VY ₂	23789	1990 VF ₃	22826	1990 VG ₃	22826	1991 RJ	22826	1991 RW	23782	1991 RZ ₁	23790	1991 RM ₂	23869
1990 VJ ₃	23975	1990 VR ₃	23789	1990 VD ₄	22600	1990 VK ₅	23860	1991 RO ₂	22273	1991 RX ₂	22600	1991 RB ₃	23991	1991 RV ₃	23673
1990 VN ₅	23975	1990 VS ₅	22273	1990 VD ₆	22231	1990 VK ₆	23516	1991 RC ₄	23538	1991 RR ₄	23673	1991 RA ₅	23517	1991 RK ₅	23991
1990 VL ₆	23976	1990 VW ₆	23781	1990 VX ₆	23225	1990 VY ₆	23789	1991 RQ ₇	23247	1991 RN ₁₀	23685	1991 RX ₁₀	22494	1991 RE ₁₁	22233
1990 VY ₁₃	22826	1990 VB ₁₄	22970	1990 VC ₁₅	23790	1990 WA	23991	1991 RK ₁₁	23239	1991 RP ₁₁	23538	1991 RQ ₁₁	23685	1991 RD ₁₂	23349
1990 WE	22700	1990 WM ₁	23860	1990 WB ₂	23247	1990 WE ₂	22404	1991 RQ ₁₄	23247	1991 RP ₁₅	23685	1991 RE ₁₆	23349	1991 RY ₁₆	23349
1990 WB ₃	23991	1990 WJ ₃	22970	1990 WY ₃	22494	1990 WS ₄	23790	1991 RW ₁₉	23782	1991 RW ₂₃	22571	1991 RX ₂₃	23790	1991 RD ₂₄	23685
1990 WV ₄	22592	1990 WN ₅	22231	1990 WU ₅	22826	1990 WT ₆	23991	1991 RB ₂₅	23685	1991 RP ₂₅	22494	1991 RT ₂₆	22571	1991 RN ₂₇	23782
1990 XF	22826	1990 YA	23991	1990 YC	22970	1990 YH	23991	1991 RR ₃₀	23782	1991 RT ₄₀	23790	1991 RA ₄₁	22571	1991 RJ ₄₁	22571
1990 YK	22826	1991 AA	23790	1991 AD	22494	1991 AQ	23976	1991 SO	23517	1991 SV	23349	1991 SY	23349	1991 SF ₁	23685
1991 AF ₁	22970	1991 AP ₁	22700	1991 AX ₁	22494	1991 AN ₂	23781	1991 SJ ₁	23991	1991 SN ₁	23869	1991 SX ₁	22600	1991 SC ₂	23869
1991 AQ ₂	23781	1991 AC ₃	23538	1991 AE ₃	22571	1991 AJ ₃	22273	1991 SE ₂	23517	1991 SM ₂	23517	1991 TC	23518	1991 TQ	23247
1991 AL ₃	22970	1991 AO ₃	22826	1991 BD	23538	1991 BJ	23247	1991 TY	22594	1991 TA ₁	22494	1991 TD ₁	22600	1991 TP ₁	23978
1991 BV	22600	1991 BY	23991	1991 BM ₁	23781	1991 BM ₂	23869	1991 TW ₁	23685	1991 TE ₂	23538	1991 TG ₂	23518	1991 TH ₂	22273
1991 BY ₂	23991	1991 CN	22826	1991 CQ	23991	1991 CW	23134	1991 TJ ₂	23869	1991 TG ₄	22494	1991 TL ₁₃	22571	1991 TO ₁₃	23538
1991 CX	23134	1991 CZ	23869	1991 CD ₁	23684	1991 CE ₁	22932	1991 TT ₁₃	22594	1991 UC	22815	1991 UM	23991	1991 UQ	23518
1991 CL ₁	22826	1991 CN ₁	23134	1991 CS ₁	22405	1991 CU ₁	23349	1991 UV	23991	1991 UF ₁	23518	1991 UM ₁	23869	1991 UC ₂	23518
1991 CU ₂	23107	1991 CW ₂	23107	1991 CC ₃	23238	1991 CM ₃	23790	1991 UL ₂	22431	1991 UB ₃	23538	1991 UD ₃	22273	1991 UK ₃	22273
1991 DD	23134	1991 DK	23134	1991 DM	22814	1991 DO	22826	1991 UT ₃	23991	1991 UU ₃	23869	1991 UO ₄	23991	1991 UE ₅	22594
1991 DT	22431	1991 DY	22954	1991 DH ₁	22197	1991 DJ ₁	22954	1991 VE	23848	1991 VK	22700	1991 VM	23992	1991 VO	22600
1991 DN ₁	23134	1991 EA	23134	1991 EB	23134	1991 EC	23107	1991 VU	23978	1991 VY	23518	1991 VX ₁	22600	1991 VV ₂	22273
1991 EN	23860	1991 ER	23107	1991 EA ₁	23247	1991 EG ₁	23225	1991 VB ₃	22431	1991 VR ₃	23992	1991 VV ₃	23538	1991 VX ₃	22431
1991 EO ₁	22814	1991 ES ₁	23134	1991 EF ₂	22932	1991 EN ₂	22197	1991 VC ₄	23790	1991 VM ₄	22273	1991 VF ₅	23992	1991 VW ₅	23790
1991 EX ₂	22571	1991 EM ₃	23107	1991 EN ₃	23107	1991 EO ₄	23107	1991 VF ₇	23519	1991 WA	22970	1991 WC	23538	1991 XG ₁	22384
1991 FA	23684	1991 FB	23516	1991 FF	22700	1991 FG	22826	1991 XH ₁	22384	1991 XJ ₁	22384	1991 XR ₁	23134	1991 XZ ₅	22594
1991 FJ	22687	1991 FL	23134	1991 FO	23247	1991 FE ₁	23247	1991 YE	23992	1991 YF	22273	1992 AA	22495	1992 AB	23992
1991 FJ ₁	22826	1991 FO ₁	23107	1991 FS ₁	23134	1991 FD ₂	23107	1992 AO	23869	1992 AD ₁	23992	1992 AE ₁	22815	1992 AP ₁	23519
1991 FJ ₂	23107	1991 FL ₂	23107	1991 FN ₂	23976	1991 FO ₂	23107	1992 AT ₁	23992	1992 AO ₂	23783	1992 AM ₃	22384	1992 BB	22970
1991 FT ₂	23976	1991 FU ₂	23225	1991 FV ₂	23782	1991 FZ ₂	23225	1992 BH	23790	1992 BN	22431	1992 BO	23673	1992 BW	22700
1991 FA ₃	23247	1991 FM ₃	23107	1991 FU ₃	23107	1991 GA	23134	1992 BK ₁	23978	1992 BQ ₂	22384	1992 BZ ₄	22384	1992 BT ₅	22571
1991 GL	23225	1991 GN	23869	1991 GQ	22593	1991 GR	23349	1992 CA	22700	1992 CO	22431	1992 CQ	22384	1992 CC ₁	23992
1991 GP ₁	22970	1991 GQ ₁	23134	1991 GB ₂	23684	1991 GQ ₂	23247	1992 CD ₁	23956	1992 CG ₁	23790	1992 CA ₂	22970	1992 CQ ₂	23538
1991 GT ₂	23976	1991 GB ₃	23349	1991 GH ₃	23516	1991 GQ ₃	22814	1992 CS ₂	22384	1992 CD ₃	23978	1992 CF ₃	23992	1992 DA	22495

1992 DB	23790	1992 DF	23766	1992 DG	23766	1992 DK	22600	1992 EV ₆	23767	1992 EW ₆	23767	1992 EY ₆	23767	1992 EZ ₆	23767
1992 DY	23956	1992 DZ	23766	1992 DF ₁	23978	1992 DH ₁	22384	1992 EA ₇	23767	1992 EB ₇	23783	1992 EC ₇	23767	1992 ED ₇	23767
1992 DT ₂	23848	1992 DV ₂	23848	1992 DZ ₂	23790	1992 DC ₃	23848	1992 EE ₇	23767	1992 EF ₇	23767	1992 EG ₇	23767	1992 EH ₇	23767
1992 DD ₃	23848	1992 DN ₃	23848	1992 DA ₄	23848	1992 DC ₄	23956	1992 EK ₇	23767	1992 EL ₇	23767	1992 EM ₇	23783	1992 EN ₇	23767
1992 DD ₄	23956	1992 DE ₄	23978	1992 DO ₅	23848	1992 DP ₅	23848	1992 EO ₇	23767	1992 EP ₇	23767	1992 EQ ₇	23767	1992 ER ₇	23767
1992 DQ ₅	23848	1992 DR ₅	23848	1992 DS ₅	23848	1992 DT ₅	23848	1992 ES ₇	23767	1992 ET ₇	23767	1992 EU ₇	23767	1992 EV ₇	23767
1992 DU ₅	23848	1992 DV ₅	23848	1992 DW ₅	23848	1992 DX ₅	23848	1992 EW ₇	23862	1992 EX ₇	23767	1992 EY ₇	23767	1992 EZ ₇	23783
1992 DY ₅	23848	1992 DZ ₅	23848	1992 DA ₆	23861	1992 DB ₆	23848	1992 EA ₈	23767	1992 EB ₈	23767	1992 EC ₈	23767	1992 ED ₈	23849
1992 DC ₆	23848	1992 DD ₆	23848	1992 DE ₆	23848	1992 DF ₆	23848	1992 EE ₈	23849	1992 EF ₈	23767	1992 EG ₈	23767	1992 EH ₈	23767
1992 DG ₆	23848	1992 DH ₆	23848	1992 DJ ₆	23848	1992 DK ₆	23848	1992 EJ ₈	23767	1992 EL ₈	23767	1992 EM ₈	23783	1992 EN ₈	23767
1992 DL ₆	23848	1992 DM ₆	23848	1992 DN ₆	23848	1992 DO ₆	23848	1992 EO ₈	23767	1992 EP ₈	23767	1992 EQ ₈	23979	1992 ER ₈	23767
1992 DQ ₆	23848	1992 DR ₆	23848	1992 DS ₆	23848	1992 DT ₆	23978	1992 ES ₈	23767	1992 ET ₈	23767	1992 EU ₈	23767	1992 EV ₈	23767
1992 DU ₆	23848	1992 DV ₆	23848	1992 DW ₆	23848	1992 DX ₆	23848	1992 EW ₈	23849	1992 EX ₈	23767	1992 EY ₈	23767	1992 EZ ₈	23767
1992 DY ₆	23848	1992 DZ ₆	23848	1992 DA ₇	23848	1992 DB ₇	23848	1992 EA ₉	23767	1992 EB ₉	23767	1992 EC ₉	23767	1992 ED ₉	23767
1992 DC ₇	23848	1992 DD ₇	23849	1992 DE ₇	23849	1992 DG ₇	23849	1992 EE ₉	23767	1992 EF ₉	23767	1992 EH ₉	23767	1992 EJ ₉	23849
1992 DH ₇	23849	1992 DJ ₇	23849	1992 DK ₇	23849	1992 DL ₇	23861	1992 EK ₉	23767	1992 EL ₉	23767	1992 EM ₉	23849	1992 EN ₉	23849
1992 DM ₇	23849	1992 DN ₇	23849	1992 DO ₇	23849	1992 DP ₇	23849	1992 EO ₉	23849	1992 EP ₉	23849	1992 EQ ₉	23979	1992 ER ₉	23849
1992 DQ ₇	23849	1992 DR ₇	23849	1992 DS ₇	23849	1992 DT ₇	23849	1992 ES ₉	23849	1992 ET ₉	23849	1992 EV ₉	23849	1992 EW ₉	23862
1992 DU ₇	23849	1992 DV ₇	23849	1992 DW ₇	23849	1992 DX ₇	23849	1992 EX ₉	23849	1992 EY ₉	23849	1992 EZ ₉	23862	1992 EB ₁₀	23849
1992 DY ₇	23849	1992 DZ ₇	23849	1992 DA ₈	23849	1992 DB ₈	23849	1992 EC ₁₀	23849	1992 ED ₁₀	23849	1992 EF ₁₀	23849	1992 EG ₁₀	23849
1992 DC ₈	23849	1992 DD ₈	23849	1992 DE ₈	23849	1992 DF ₈	23849	1992 EH ₁₀	23849	1992 EJ ₁₀	23849	1992 EK ₁₀	23849	1992 EL ₁₀	23849
1992 DH ₈	23849	1992 DJ ₈	23849	1992 DK ₈	23849	1992 DL ₈	23849	1992 EM ₁₀	23849	1992 EO ₁₀	23849	1992 EP ₁₀	23849	1992 EQ ₁₀	23849
1992 DM ₈	23849	1992 DN ₈	23849	1992 DO ₈	23849	1992 DP ₈	23861	1992 ER ₁₀	23849	1992 ES ₁₀	23849	1992 ET ₁₀	23849	1992 EU ₁₀	23849
1992 DQ ₈	23849	1992 DR ₈	23849	1992 DS ₈	23849	1992 DT ₈	23849	1992 EV ₁₀	23849	1992 EW ₁₀	23849	1992 EX ₁₀	23849	1992 EY ₁₀	23849
1992 DV ₈	23849	1992 DX ₈	23849	1992 DY ₈	23849	1992 DZ ₈	23849	1992 EZ ₁₀	23849	1992 EA ₁₁	23850	1992 ED ₁₁	23992	1992 EE ₁₁	23862
1992 DA ₉	23861	1992 DB ₉	23861	1992 DD ₉	23849	1992 DE ₉	23849	1992 EF ₁₁	23850	1992 EG ₁₁	23850	1992 EH ₁₁	23850	1992 EJ ₁₁	23850
1992 DF ₉	23849	1992 DG ₉	23849	1992 DK ₉	23849	1992 DL ₉	23849	1992 EK ₁₁	23850	1992 EL ₁₁	23850	1992 EM ₁₁	23850	1992 EN ₁₁	23850
1992 DM ₉	23849	1992 DN ₉	23849	1992 DO ₉	23849	1992 DP ₉	23849	1992 EO ₁₁	23850	1992 EP ₁₁	23850	1992 EQ ₁₁	23850	1992 ER ₁₁	23850
1992 DQ ₉	23849	1992 DR ₉	23849	1992 DS ₉	23849	1992 DT ₉	23849	1992 ET ₁₁	23850	1992 EU ₁₁	23850	1992 EV ₁₁	23979	1992 EW ₁₁	23850
1992 DU ₉	23849	1992 DV ₉	23849	1992 DW ₉	23849	1992 DX ₉	23849	1992 EX ₁₁	23850	1992 EY ₁₁	23850	1992 EZ ₁₁	23850	1992 EB ₁₂	23850
1992 DY ₉	23849	1992 DA ₁₀	23849	1992 DB ₁₀	23861	1992 DC ₁₀	23849	1992 EC ₁₂	23850	1992 ED ₁₂	23850	1992 EE ₁₂	23850	1992 EF ₁₂	23850
1992 DD ₁₀	23849	1992 DE ₁₀	23849	1992 DF ₁₀	23849	1992 DG ₁₀	23849	1992 EH ₁₂	23850	1992 EJ ₁₂	23850	1992 EK ₁₂	23850	1992 EL ₁₂	23850
1992 EA	23849	1992 EB	23790	1992 EC	22571	1992 EE	23790	1992 EN ₁₂	23850	1992 EO ₁₂	23850	1992 EP ₁₂	23850	1992 EQ ₁₂	23850
1992 EF	23992	1992 EN	23849	1992 ED ₁	23992	1992 EL ₁	22827	1992 ER ₁₂	23850	1992 ES ₁₂	23850	1992 ET ₁₂	23850	1992 EU ₁₂	23850
1992 EU ₁	22700	1992 EB ₂	23849	1992 EF ₂	23979	1992 EW ₂	23849	1992 EV ₁₂	23850	1992 EW ₁₂	23850	1992 EX ₁₂	23850	1992 EY ₁₂	23850
1992 EX ₂	23956	1992 EZ ₃	23766	1992 EA ₄	23766	1992 EB ₄	23766	1992 EZ ₁₂	23850	1992 EA ₁₃	23850	1992 EB ₁₃	23979	1992 ED ₁₃	23850
1992 EC ₄	23766	1992 ED ₄	23766	1992 EE ₄	23766	1992 EF ₄	23766	1992 EE ₁₃	23850	1992 EF ₁₃	23850	1992 EG ₁₃	23850	1992 EH ₁₃	23850
1992 EG ₄	23766	1992 EH ₄	23766	1992 EJ ₄	23766	1992 EK ₄	23766	1992 EJ ₁₃	23850	1992 EK ₁₃	23850	1992 EL ₁₃	23850	1992 EM ₁₃	23850
1992 EL ₄	23766	1992 EM ₄	23766	1992 EN ₄	23766	1992 EO ₄	23766	1992 EN ₁₃	23850	1992 EO ₁₃	23850	1992 EP ₁₃	23850	1992 EQ ₁₃	23850
1992 EP ₄	23849	1992 EQ ₄	23766	1992 ER ₄	23766	1992 ES ₄	23766	1992 ER ₁₃	23850	1992 ES ₁₃	23850	1992 EU ₁₃	23850	1992 EV ₁₃	23850
1992 ET ₄	23766	1992 EU ₄	23766	1992 EV ₄	23766	1992 EW ₄	23766	1992 EW ₁₃	23850	1992 EY ₁₃	23850	1992 EZ ₁₃	23850	1992 EA ₁₄	23850
1992 EX ₄	23849	1992 EY ₄	23766	1992 EA ₅	23766	1992 EB ₅	23849	1992 EB ₁₄	23850	1992 EC ₁₄	23850	1992 ED ₁₄	23850	1992 EE ₁₄	23850
1992 EC ₅	23767	1992 ED ₅	23767	1992 EE ₅	23767	1992 EF ₅	23767	1992 EF ₁₄	23850	1992 EG ₁₄	23850	1992 EH ₁₄	23850	1992 EJ ₁₄	23850
1992 EG ₅	23767	1992 EH ₅	23767	1992 EJ ₅	23767	1992 EK ₅	23767	1992 EK ₁₄	23850	1992 EL ₁₄	23850	1992 EM ₁₄	23850	1992 EN ₁₄	23850
1992 EL ₅	23767	1992 EM ₅	23767	1992 EN ₅	23767	1992 EO ₅	23767	1992 EQ ₁₄	23850	1992 ER ₁₄	23850	1992 ES ₁₄	23850	1992 ET ₁₄	23850
1992 EQ ₅	23767	1992 ER ₅	23767	1992 ES ₅	23849	1992 ET ₅	23767	1992 EU ₁₄	23850	1992 EV ₁₄	23850	1992 EW ₁₄	23850	1992 EX ₁₄	23850
1992 EU ₅	23767	1992 EV ₅	23767	1992 EW ₅	23849	1992 EX ₅	23767	1992 EY ₁₄	23850	1992 EZ ₁₄	23850	1992 EA ₁₅	23850	1992 EB ₁₅	23850
1992 EY ₅	23767	1992 EA ₆	23767	1992 EB ₆	23767	1992 EC ₆	23767	1992 EC ₁₅	23850	1992 ED ₁₅	23850	1992 EE ₁₅	23850	1992 EF ₁₅	23850
1992 EE ₆	23767	1992 EF ₆	23767	1992 EG ₆	23767	1992 EH ₆	23767	1992 EG ₁₅	23850	1992 EH ₁₅	23850	1992 EJ ₁₅	23850	1992 EK ₁₅	23850
1992 EJ ₆	23767	1992 EK ₆	23767	1992 EL ₆	23767	1992 EM ₆	23767	1992 EL ₁₅	23850	1992 EM ₁₅	23850	1992 EN ₁₅	23850	1992 EO ₁₅	23850
1992 EN ₆	23767	1992 EO ₆	23783	1992 EP ₆	23767	1992 EQ ₆	23767	1992 EP ₁₅	23850	1992 EQ ₁₅	23850	1992 ER ₁₅	23850	1992 ES ₁₅	23850
1992 ER ₆	23767	1992 ES ₆	23767	1992 ET ₆	23767	1992 EU ₆	23767	1992 ET ₁₅	23850	1992 EU ₁₅	23850	1992 EV ₁₅	23850	1992 EW ₁₅	23850

1992 EX ₁₅	23850	1992 EY ₁₅	23850	1992 EA ₁₆	23850	1992 EB ₁₆	23850	1992 RD ₁	22932	1992 RV ₁	23247	1992 RK ₂	23340	1992 RM ₂	22432
1992 EC ₁₆	23850	1992 ED ₁₆	23850	1992 EE ₁₆	23850	1992 EF ₁₆	23851	1992 RQ ₃	22571	1992 RO ₅	23538	1992 RZ ₅	23350	1992 RC ₇	22594
1992 EG ₁₆	23851	1992 EH ₁₆	23851	1992 EJ ₁₆	23851	1992 EK ₁₆	23851	1992 RF ₇	22816	1992 RH ₇	23992	1992 RM ₇	23134	1992 RP ₇	22572
1992 EL ₁₆	23851	1992 EM ₁₆	23851	1992 EN ₁₆	23851	1992 EO ₁₆	23851	1992 RS ₇	22572	1992 SL	23992	1992 SN	23685	1992 SU	23790
1992 EP ₁₆	23851	1992 EQ ₁₆	23851	1992 ER ₁₆	23851	1992 ES ₁₆	23851	1992 SB ₁	23519	1992 SC ₁	22932	1992 SD ₁	22971	1992 SE ₁	22932
1992 ET ₁₆	23851	1992 EV ₁₆	23851	1992 EW ₁₆	23851	1992 EX ₁₆	23851	1992 SG ₁	23685	1992 SJ ₁	23674	1992 SN ₁	23350	1992 SQ ₂	23538
1992 EY ₁₆	23851	1992 EZ ₁₆	23851	1992 EA ₁₇	23851	1992 EB ₁₇	23851	1992 ST ₂	22932	1992 SW ₃	23538	1992 SY ₅	22663	1992 SD ₆	22663
1992 EC ₁₇	23851	1992 ED ₁₇	23851	1992 EE ₁₇	23851	1992 EF ₁₇	23851	1992 SM ₆	22663	1992 SW ₁₀	23538	1992 SX ₁₂	22971	1992 SD ₁₃	22197
1992 EG ₁₇	23851	1992 EH ₁₇	23851	1992 EJ ₁₇	23851	1992 EK ₁₇	23851	1992 SF ₁₃	23790	1992 SU ₁₄	22197	1992 SY ₁₄	23350	1992 SX ₁₆	22572
1992 EL ₁₇	23851	1992 EM ₁₇	23851	1992 EN ₁₇	23851	1992 EQ ₁₇	23851	1992 SK ₁₇	22572	1992 SW ₁₇	23350	1992 SM ₂₀	22663	1992 SU ₂₁	22663
1992 ER ₁₇	23851	1992 ET ₁₇	23851	1992 EU ₁₇	23851	1992 EV ₁₇	23956	1992 SW ₂₁	22663	1992 SX ₂₁	22663	1992 SZ ₂₁	22663	1992 SA ₂₂	22816
1992 EW ₁₇	23851	1992 EX ₁₇	23992	1992 EZ ₁₇	23851	1992 EA ₁₈	23851	1992 SB ₂₂	22663	1992 SZ ₂₃	22932	1992 SA ₂₄	22932	1992 SC ₂₄	22932
1992 EB ₁₈	23851	1992 EC ₁₈	23851	1992 ED ₁₈	23851	1992 EE ₁₈	23851	1992 SJ ₂₄	22197	1992 SK ₂₄	22197	1992 SN ₂₄	22663	1992 SO ₂₄	23685
1992 EF ₁₈	23851	1992 EG ₁₈	23851	1992 EH ₁₈	23851	1992 EJ ₁₈	23851	1992 SQ ₂₄	22663	1992 SR ₂₄	22663	1992 SS ₂₄	22663	1992 SV ₂₄	22932
1992 EK ₁₈	23851	1992 EL ₁₈	23851	1992 EM ₁₈	23851	1992 ER ₁₈	23851	1992 SY ₂₄	23851	1992 SA ₂₅	22932	1992 SC ₂₅	22932	1992 SR ₂₅	22932
1992 EA ₁₉	23851	1992 EB ₁₉	23851	1992 EE ₁₉	23851	1992 EH ₁₉	23851	1992 TA	23520	1992 TC	23992	1992 TW	22197	1992 TY	23538
1992 EQ ₁₉	23851	1992 EZ ₁₉	23851	1992 EG ₂₀	23851	1992 EL ₂₀	23851	1992 TD ₁	23247	1992 TU ₁	22932	1992 UB	22432	1992 UG	23538
1992 EN ₂₀	23851	1992 EO ₂₀	23851	1992 EP ₂₀	23851	1992 ED ₂₁	23851	1992 UU	23992	1992 UZ	23247	1992 UB ₁	23350	1992 UH ₁	23980
1992 EL ₂₁	23851	1992 EU ₂₁	23956	1992 EV ₂₁	23979	1992 EW ₂₁	23956	1992 UB ₂	23538	1992 UG ₂	23134	1992 UM ₂	23674	1992 UQ ₂	22932
1992 EY ₂₁	23956	1992 EZ ₂₁	23956	1992 EA ₂₂	23956	1992 EB ₂₂	23956	1992 UT ₂	22932	1992 UU ₂	23685	1992 UZ ₂	23125	1992 UA ₃	23992
1992 ED ₂₂	23956	1992 EE ₂₂	23956	1992 EF ₂₂	23956	1992 EG ₂₂	23956	1992 UM ₃	22957	1992 UO ₃	22273	1992 UT ₃	23685	1992 UC ₄	23685
1992 EA ₂₃	23956	1992 EB ₂₃	23956	1992 EC ₂₃	23956	1992 EO ₂₃	23956	1992 UG ₄	23350	1992 UJ ₄	23240	1992 UO ₄	23790	1992 UU ₄	22197
1992 ET ₂₃	23956	1992 EX ₂₃	23956	1992 EB ₂₄	23956	1992 EG ₂₄	23956	1992 UX ₄	22971	1992 UK ₅	23247	1992 UT ₅	23134	1992 UX ₅	23520
1992 EH ₂₄	23956	1992 EJ ₂₄	23979	1992 EW ₂₄	23956	1992 EY ₂₄	23956	1992 UF ₆	22432	1992 UH ₆	23341	1992 UK ₆	23685	1992 UM ₆	22273
1992 EM ₂₅	23956	1992 EN ₂₅	23956	1992 EP ₂₅	23956	1992 EQ ₂₅	23956	1992 VC	23247	1992 VD	23247	1992 VM	23685	1992 VN	22197
1992 ER ₂₅	23956	1992 ES ₂₅	23956	1992 EU ₂₅	23956	1992 EV ₂₅	23956	1992 VQ	22432	1992 VR	22237	1992 WG	22197	1992 WH	22237
1992 EW ₂₅	23956	1992 EX ₂₅	23956	1992 EZ ₂₅	23956	1992 EA ₂₆	23956	1992 WL	23125	1992 WM	22197	1992 WS	22971	1992 WV	22197
1992 EB ₂₆	23956	1992 FF	23869	1992 FG	23869	1992 FJ	23992	1992 WX	22197	1992 WY	22197	1992 WZ	22197	1992 WB ₁	22198
1992 FN	22970	1992 FP	22600	1992 FS	22827	1992 FT	23134	1992 WC ₁	22198	1992 WH ₁	23539	1992 WJ ₁	22198	1992 WR ₁	22198
1992 FV	23247	1992 FB ₁	22487	1992 FM ₁	22700	1992 FP ₁	22827	1992 WU ₁	22238	1992 WV ₁	22198	1992 WB ₂	22198	1992 WC ₂	22238
1992 FW ₁	22600	1992 FZ ₁	23247	1992 FN ₃	23851	1992 FO ₃	23851	1992 WE ₂	22198	1992 WF ₂	22198	1992 WG ₂	22198	1992 WH ₂	22198
1992 FP ₃	23979	1992 FQ ₃	23851	1992 FS ₃	23851	1992 GA	22700	1992 WJ ₂	23992	1992 WK ₂	22198	1992 WL ₂	22198	1992 WP ₂	22198
1992 GZ	22970	1992 GZ ₁	22571	1992 GB ₂	22384	1992 GO ₂	22384	1992 WR ₂	22198	1992 WS ₂	22384	1992 WT ₂	23539	1992 WX ₂	23539
1992 GR ₂	22384	1992 GF ₄	23247	1992 GM ₄	22955	1992 HE	23134	1992 WZ ₂	22198	1992 WC ₃	22274	1992 WG ₃	22274	1992 WJ ₃	23520
1992 HF	23519	1992 HJ	23790	1992 HL	22688	1992 HM	23339	1992 WM ₃	23685	1992 WO ₃	23674	1992 WP ₃	23247	1992 WR ₃	23685
1992 HA ₄	22594	1992 HB ₄	22571	1992 HY ₄	23538	1992 HH ₅	22384	1992 WU ₃	23539	1992 WV ₃	22432	1992 WZ ₃	22198	1992 WA ₄	22274
1992 JB	23869	1992 JE	22432	1992 JP	22600	1992 JQ	23992	1992 WE ₄	22198	1992 WK ₄	22198	1992 WP ₄	23685	1992 WR ₄	23520
1992 JN ₁	23349	1992 JB ₂	22956	1992 KE	22827	1992 LJ	23538	1992 WY ₄	23869	1992 WM ₅	23685	1992 WP ₅	22274	1992 WS ₅	22198
1992 LP	22971	1992 LR	23134	1992 LU	22971	1992 MB	23134	1992 WB ₉	22407	1992 WC ₉	22198	1992 WF ₉	22198	1992 XA	23520
1992 MM	22971	1992 NA	22971	1992 NM	23134	1992 NP	23134	1992 XB	22432	1992 YE	22488	1992 YL	23539	1992 YM	23675
1992 OB	22407	1992 OE	22432	1992 OF	22971	1992 OG	23685	1992 YB ₁	23685	1992 YC ₂	22595	1992 YL ₂	23341	1992 YP ₂	23790
1992 OJ	22600	1992 OO	22407	1992 OQ ₁	22273	1992 OV ₁	22197	1992 YC ₃	23992	1992 YE ₃	23520	1992 YG ₃	23790	1992 YW ₃	23675
1992 OG ₂	23349	1992 OP ₅	22197	1992 OQ ₅	22197	1992 OT ₅	22197	1992 YE ₄	23341	1993 AM	22663	1993 AQ	22198	1993 BC	23992
1992 OU ₅	22197	1992 OV ₅	22197	1992 OX ₅	22197	1992 OY ₅	22197	1993 BM	22238	1993 BO	23685	1993 BD ₂	23520	1993 BS ₂	22663
1992 OZ ₅	22197	1992 OB ₆	22197	1992 OM ₆	22197	1992 OQ ₆	22197	1993 BV ₂	22274	1993 BX ₂	23107	1993 BL ₃	22274	1993 BO ₃	22472
1992 OS ₆	22197	1992 OT ₆	22197	1992 OV ₆	23134	1992 OB ₇	22197	1993 BP ₃	22472	1993 BU ₃	23685	1993 BX ₃	22239	1993 BD ₄	22198
1992 OJ ₈	23134	1992 OZ ₉	23674	1992 PM	22571	1992 PV	23350	1993 BF ₄	22198	1993 BR ₄	22198	1993 BS ₄	22198	1993 BS ₄	22198
1992 PY	23340	1992 PV ₁	23239	1992 PW ₁	23247	1992 PA ₂	23350	1993 BT ₄	22663	1993 BV ₄	22198	1993 BY ₄	23980	1993 BZ ₄	22663
1992 PF ₂	22971	1992 PT ₂	23685	1992 PU ₂	23674	1992 PY ₂	23134	1993 BC ₅	22198	1993 BE ₅	23520	1993 BG ₅	22198	1993 BJ ₅	22198
1992 PA ₄	22197	1992 PD ₆	22407	1992 PS ₆	23247	1992 QA	22600	1993 BM ₅	22198	1993 BQ ₅	22198	1993 BU ₅	22198	1993 BV ₅	22198
1992 QB	22432	1992 QC	22237	1992 QM	23134	1992 QA ₁	22571	1993 BX ₅	22198	1993 BB ₆	22198	1993 BD ₆	22198	1993 BE ₆	22198
1992 QB ₁	22971	1992 RJ	23247	1992 RT	23538	1992 RZ	23869	1993 BH ₆	22198	1993 BN ₆	22198	1993 BQ ₆	22198	1993 BE ₈	22957

1993 BP ₁₃	23790	1993 BX ₁₃	22932	1993 BJ ₁₄	22663	1993 CC	23992	1993 FA ₁₀	23485	1993 FB ₁₀	23485	1993 FC ₁₀	23485	1993 FD ₁₀	23485
1993 CK	23992	1993 CL	23862	1993 CN	23685	1993 CO	23685	1993 FF ₁₀	23485	1993 FG ₁₀	23485	1993 FH ₁₀	23485	1993 FJ ₁₀	23522
1993 CA ₁	22198	1993 CN ₁	23992	1993 CO ₁	23484	1993 CP ₁	23134	1993 FK ₁₀	23485	1993 FL ₁₀	23485	1993 FM ₁₀	23522	1993 FN ₁₀	23485
1993 CS ₁	22198	1993 DC	23521	1993 DM	23484	1993 DN	23484	1993 FO ₁₀	23485	1993 FP ₁₀	23485	1993 FQ ₁₀	23522	1993 FR ₁₀	23485
1993 DO	23685	1993 DT	22239	1993 DB ₁	22274	1993 DE ₁	22198	1993 FS ₁₀	23485	1993 FT ₁₀	23485	1993 FV ₁₀	23485	1993 FW ₁₀	23485
1993 DJ ₁	22198	1993 DD ₂	22472	1993 DF ₂	23107	1993 DG ₂	22472	1993 FX ₁₀	23485	1993 FY ₁₀	23485	1993 FZ ₁₀	23485	1993 FA ₁₁	23485
1993 DQ ₂	22198	1993 DR ₂	22663	1993 DU ₂	22198	1993 DV ₂	22198	1993 FB ₁₁	23485	1993 FC ₁₁	23485	1993 FD ₁₁	23485	1993 FE ₁₁	23485
1993 DX ₂	22198	1993 EF	22495	1993 EJ	23484	1993 EL	22199	1993 FF ₁₁	23485	1993 FG ₁₁	23486	1993 FH ₁₁	23486	1993 FJ ₁₁	23486
1993 EM	22199	1993 EP	22199	1993 EQ	23484	1993 ER	23539	1993 FK ₁₁	23486	1993 FL ₁₁	23486	1993 FM ₁₁	23486	1993 FN ₁₁	23486
1993 ES	23539	1993 ET	23869	1993 EU	23484	1993 EW	22408	1993 FO ₁₁	23486	1993 FP ₁₁	23486	1993 FQ ₁₁	23486	1993 FR ₁₁	23486
1993 FL	23484	1993 FM	23484	1993 FN	23484	1993 FO	23484	1993 FS ₁₁	23486	1993 FT ₁₁	23486	1993 FU ₁₁	23523	1993 FV ₁₁	23486
1993 FP	23992	1993 FR	22199	1993 FS	23539	1993 FT	22199	1993 FW ₁₁	23486	1993 FX ₁₁	23486	1993 FY ₁₁	23486	1993 FZ ₁₁	23486
1993 FW	23870	1993 FB ₁	22408	1993 FC ₁	23992	1993 FD ₁	23539	1993 FA ₁₂	23486	1993 FB ₁₂	23486	1993 FC ₁₂	23486	1993 FD ₁₂	23486
1993 FG ₁	23484	1993 FL ₁	22199	1993 FN ₁	22384	1993 FO ₁	22240	1993 FE ₁₂	23486	1993 FF ₁₂	23486	1993 FG ₁₂	23486	1993 FH ₁₂	23486
1993 FS ₁	23870	1993 FA ₂	22663	1993 FQ ₂	23652	1993 FR ₂	22700	1993 FJ ₁₂	23486	1993 FL ₁₂	23486	1993 FM ₁₂	23486	1993 FN ₁₂	23486
1993 FT ₂	23484	1993 FW ₂	23484	1993 FX ₂	23484	1993 FR ₃	23521	1993 FO ₁₂	23486	1993 FP ₁₂	23486	1993 FQ ₁₂	23486	1993 FR ₁₂	23486
1993 FT ₃	23484	1993 FV ₃	22572	1993 FW ₃	23484	1993 FX ₃	23484	1993 FS ₁₂	23486	1993 FT ₁₂	23486	1993 FU ₁₂	23486	1993 FV ₁₂	23523
1993 FY ₃	23484	1993 FC ₄	23107	1993 FE ₄	23484	1993 FF ₄	23484	1993 FW ₁₂	23486	1993 FX ₁₂	23486	1993 FY ₁₂	23486	1993 FZ ₁₂	23870
1993 FH ₄	23484	1993 FJ ₄	23484	1993 FK ₄	23484	1993 FL ₄	23484	1993 FA ₁₃	23486	1993 FB ₁₃	23486	1993 FC ₁₃	23486	1993 FD ₁₃	23486
1993 FM ₄	23484	1993 FN ₄	23484	1993 FO ₄	23521	1993 FP ₄	23484	1993 FE ₁₃	23486	1993 FF ₁₃	23486	1993 FG ₁₃	23486	1993 FJ ₁₃	23486
1993 FQ ₄	23484	1993 FR ₄	23484	1993 FS ₄	23484	1993 FT ₄	23521	1993 FK ₁₃	23486	1993 FL ₁₃	23486	1993 FM ₁₃	23486	1993 FN ₁₃	23486
1993 FU ₄	23484	1993 FV ₄	23484	1993 FW ₄	23484	1993 FX ₄	23484	1993 FO ₁₃	23486	1993 FP ₁₃	23486	1993 FQ ₁₃	23486	1993 FR ₁₃	23486
1993 FZ ₄	23484	1993 FA ₅	23992	1993 FB ₅	23521	1993 FC ₅	23484	1993 FS ₁₃	23486	1993 FT ₁₃	23486	1993 FU ₁₃	23486	1993 FV ₁₃	23486
1993 FD ₅	23484	1993 FE ₅	23484	1993 FF ₅	23484	1993 FG ₅	23484	1993 FW ₁₃	23486	1993 FX ₁₃	23486	1993 FZ ₁₃	23486	1993 FA ₁₄	23486
1993 FH ₅	23484	1993 FJ ₅	23484	1993 FK ₅	23484	1993 FL ₅	23484	1993 FB ₁₄	23486	1993 FC ₁₄	23486	1993 FD ₁₄	23486	1993 FE ₁₄	23486
1993 FM ₅	23484	1993 FN ₅	23484	1993 FO ₅	23484	1993 FP ₅	23484	1993 FF ₁₄	23486	1993 FG ₁₄	23486	1993 FH ₁₄	23486	1993 FJ ₁₄	23486
1993 FR ₅	23484	1993 FT ₅	23484	1993 FU ₅	23484	1993 FV ₅	23484	1993 FK ₁₄	23486	1993 FL ₁₄	23486	1993 FM ₁₄	23486	1993 FN ₁₄	23486
1993 FW ₅	23484	1993 FX ₅	23484	1993 FY ₅	23484	1993 FZ ₅	23484	1993 FO ₁₄	23486	1993 FP ₁₄	23486	1993 FQ ₁₄	23486	1993 FR ₁₄	23486
1993 FA ₆	23484	1993 FB ₆	23484	1993 FC ₆	23484	1993 FD ₆	23485	1993 FS ₁₄	23486	1993 FT ₁₄	23486	1993 FU ₁₄	23486	1993 FV ₁₄	23486
1993 FF ₆	23485	1993 FG ₆	23522	1993 FH ₆	23485	1993 FJ ₆	23485	1993 FW ₁₄	23486	1993 FX ₁₄	23783	1993 FY ₁₄	23486	1993 FZ ₁₄	23486
1993 FK ₆	23485	1993 FL ₆	23485	1993 FM ₆	23485	1993 FN ₆	23485	1993 FA ₁₅	23486	1993 FB ₁₅	23486	1993 FC ₁₅	23486	1993 FD ₁₅	23486
1993 FO ₆	23485	1993 FP ₆	23485	1993 FQ ₆	23485	1993 FR ₆	23485	1993 FE ₁₅	23486	1993 FF ₁₅	23486	1993 FG ₁₅	23486	1993 FH ₁₅	23486
1993 FS ₆	23485	1993 FT ₆	23485	1993 FU ₆	23485	1993 FW ₆	23485	1993 FJ ₁₅	23486	1993 FK ₁₅	23486	1993 FL ₁₅	23523	1993 FM ₁₅	23486
1993 FX ₆	23485	1993 FY ₆	23485	1993 FZ ₆	23485	1993 FB ₇	23485	1993 FN ₁₅	23486	1993 FP ₁₅	23486	1993 FQ ₁₅	23486	1993 FR ₁₅	23486
1993 FC ₇	23485	1993 FD ₇	23485	1993 FE ₇	23485	1993 FF ₇	23485	1993 FS ₁₅	23486	1993 FT ₁₅	23486	1993 FU ₁₅	23486	1993 FV ₁₅	23486
1993 FG ₇	23485	1993 FH ₇	23485	1993 FJ ₇	23485	1993 FK ₇	23485	1993 FW ₁₅	23486	1993 FX ₁₅	23486	1993 FY ₁₅	23486	1993 FZ ₁₅	23486
1993 FL ₇	23485	1993 FM ₇	23485	1993 FN ₇	23485	1993 FO ₇	23485	1993 FA ₁₆	23486	1993 FB ₁₆	23486	1993 FD ₁₆	23486	1993 FE ₁₆	23486
1993 FP ₇	23485	1993 FQ ₇	23485	1993 FR ₇	23485	1993 FS ₇	23485	1993 FF ₁₆	23486	1993 FG ₁₆	23487	1993 FH ₁₆	23487	1993 FJ ₁₆	23487
1993 FT ₇	23522	1993 FU ₇	23485	1993 FV ₇	23485	1993 FW ₇	23485	1993 FK ₁₆	23487	1993 FL ₁₆	23487	1993 FM ₁₆	23980	1993 FN ₁₆	23487
1993 FX ₇	23485	1993 FY ₇	23485	1993 FZ ₇	23522	1993 FA ₈	23485	1993 FO ₁₆	23487	1993 FP ₁₆	23487	1993 FQ ₁₆	23487	1993 FS ₁₆	23487
1993 FB ₈	23485	1993 FC ₈	23485	1993 FD ₈	23485	1993 FE ₈	23485	1993 FT ₁₆	23487	1993 FU ₁₆	23487	1993 FV ₁₆	23487	1993 FW ₁₆	23487
1993 FF ₈	23485	1993 FG ₈	23485	1993 FH ₈	23485	1993 FJ ₈	23485	1993 FX ₁₆	23487	1993 FY ₁₆	23487	1993 FZ ₁₆	23487	1993 FA ₁₇	23487
1993 FK ₈	23485	1993 FL ₈	23522	1993 FM ₈	23485	1993 FN ₈	23485	1993 FB ₁₇	23487	1993 FC ₁₇	23487	1993 FD ₁₇	23487	1993 FE ₁₇	23487
1993 FO ₈	23485	1993 FP ₈	23652	1993 FQ ₈	23485	1993 FS ₈	23485	1993 FF ₁₇	23487	1993 FG ₁₇	23487	1993 FH ₁₇	23487	1993 FJ ₁₇	23487
1993 FT ₈	23485	1993 FU ₈	23485	1993 FV ₈	23485	1993 FW ₈	23485	1993 FK ₁₇	23487	1993 FL ₁₇	23487	1993 FM ₁₇	23487	1993 FN ₁₇	23487
1993 FX ₈	23485	1993 FY ₈	23485	1993 FZ ₈	23485	1993 FA ₉	23485	1993 FO ₁₇	23487	1993 FP ₁₇	23487	1993 FQ ₁₇	23487	1993 FR ₁₇	23487
1993 FB ₉	23485	1993 FC ₉	23485	1993 FD ₉	23485	1993 FE ₉	23485	1993 FS ₁₇	23487	1993 FT ₁₇	23487	1993 FU ₁₇	23523	1993 FV ₁₇	23487
1993 FF ₉	23485	1993 FG ₉	23485	1993 FH ₉	23485	1993 FJ ₉	23485	1993 FX ₁₇	23487	1993 FY ₁₇	23487	1993 FZ ₁₇	23487	1993 FA ₁₈	23487
1993 FK ₉	23485	1993 FL ₉	23485	1993 FM ₉	23485	1993 FN ₉	23485	1993 FB ₁₈	23523	1993 FC ₁₈	23487	1993 FD ₁₈	23487	1993 FE ₁₈	23487
1993 FO ₉	23485	1993 FP ₉	23485	1993 FQ ₉	23485	1993 FR ₉	23485	1993 FF ₁₈	23487	1993 FG ₁₈	23487	1993 FH ₁₈	23487	1993 FJ ₁₈	23487
1993 FS ₉	23522	1993 FT ₉	23485	1993 FU ₉	23485	1993 FV ₉	23485	1993 FK ₁₈	23487	1993 FL ₁₈	23487	1993 FM ₁₈	23487	1993 FN ₁₈	23487
1993 FW ₉	23485	1993 FX ₉	23485	1993 FY ₉	23485	1993 FZ ₉	23485	1993 FO ₁₈	23487	1993 FP ₁₈	23487	1993 FQ ₁₈	23487	1993 FR ₁₈	23487

1993 FS ₁₈	23487	1993 FT ₁₈	23487	1993 FU ₁₈	23487	1993 FV ₁₈	23487	1993 FK ₂₇	23489	1993 FL ₂₇	23489	1993 FM ₂₇	23489	1993 FN ₂₇	23489
1993 FW ₁₈	23487	1993 FX ₁₈	23487	1993 FY ₁₈	23487	1993 FZ ₁₈	23487	1993 FO ₂₇	23489	1993 FP ₂₇	23489	1993 FQ ₂₇	23489	1993 FR ₂₇	23489
1993 FA ₁₉	23487	1993 FB ₁₉	23523	1993 FC ₁₉	23487	1993 FD ₁₉	23487	1993 FS ₂₇	23489	1993 FT ₂₇	23489	1993 FV ₂₇	23489	1993 FW ₂₇	23489
1993 FE ₁₉	23487	1993 FF ₁₉	23487	1993 FG ₁₉	23487	1993 FH ₁₉	23487	1993 FX ₂₇	23489	1993 FY ₂₇	23526	1993 FZ ₂₇	23489	1993 FA ₂₈	23489
1993 FJ ₁₉	23487	1993 FK ₁₉	23487	1993 FL ₁₉	23487	1993 FM ₁₉	23523	1993 FB ₂₈	23489	1993 FC ₂₈	23489	1993 FD ₂₈	23489	1993 FE ₂₈	23489
1993 FN ₁₉	23487	1993 FO ₁₉	23487	1993 FP ₁₉	23487	1993 FQ ₁₉	23487	1993 FF ₂₈	23489	1993 FG ₂₈	23489	1993 FH ₂₈	23489	1993 FJ ₂₈	23489
1993 FR ₁₉	23487	1993 FS ₁₉	23487	1993 FT ₁₉	23487	1993 FU ₁₉	23487	1993 FK ₂₈	23489	1993 FL ₂₈	23489	1993 FM ₂₈	23489	1993 FN ₂₈	23489
1993 FV ₁₉	23487	1993 FW ₁₉	23487	1993 FX ₁₉	23487	1993 FY ₁₉	23487	1993 FO ₂₈	23489	1993 FP ₂₈	23489	1993 FQ ₂₈	23489	1993 FS ₂₈	23489
1993 FZ ₁₉	23487	1993 FA ₂₀	23487	1993 FB ₂₀	23487	1993 FC ₂₀	23487	1993 FT ₂₈	23489	1993 FU ₂₈	23489	1993 FV ₂₈	23489	1993 FW ₂₈	23489
1993 FD ₂₀	23487	1993 FE ₂₀	23487	1993 FF ₂₀	23487	1993 FG ₂₀	23524	1993 FX ₂₈	23489	1993 FY ₂₈	23489	1993 FZ ₂₈	23489	1993 FA ₂₉	23489
1993 FH ₂₀	23487	1993 FJ ₂₀	23487	1993 FK ₂₀	23487	1993 FL ₂₀	23487	1993 FB ₂₉	23489	1993 FC ₂₉	23489	1993 FD ₂₉	23489	1993 FE ₂₉	23489
1993 FM ₂₀	23487	1993 FN ₂₀	23487	1993 FO ₂₀	23487	1993 FP ₂₀	23487	1993 FF ₂₉	23489	1993 FG ₂₉	23489	1993 FH ₂₉	23489	1993 FJ ₂₉	23526
1993 FQ ₂₀	23487	1993 FR ₂₀	23487	1993 FS ₂₀	23487	1993 FU ₂₀	23487	1993 FK ₂₉	23489	1993 FL ₂₉	23489	1993 FM ₂₉	23489	1993 FN ₂₉	23489
1993 FV ₂₀	23487	1993 FW ₂₀	23487	1993 FX ₂₀	23487	1993 FY ₂₀	23487	1993 FO ₂₉	23489	1993 FP ₂₉	23489	1993 FQ ₂₉	23489	1993 FR ₂₉	23489
1993 FZ ₂₀	23524	1993 FA ₂₁	23487	1993 FB ₂₁	23487	1993 FC ₂₁	23487	1993 FS ₂₉	23489	1993 FT ₂₉	23489	1993 FU ₂₉	23489	1993 FV ₂₉	23489
1993 FD ₂₁	23487	1993 FE ₂₁	23487	1993 FF ₂₁	23487	1993 FG ₂₁	23488	1993 FW ₂₉	23489	1993 FX ₂₉	23489	1993 FY ₂₉	23489	1993 FZ ₂₉	23489
1993 FH ₂₁	23488	1993 FJ ₂₁	23488	1993 FK ₂₁	23488	1993 FL ₂₁	23488	1993 FA ₃₀	23489	1993 FB ₃₀	23489	1993 FC ₃₀	23489	1993 FD ₃₀	23489
1993 FM ₂₁	23488	1993 FN ₂₁	23488	1993 FO ₂₁	23488	1993 FP ₂₁	23488	1993 FE ₃₀	23489	1993 FF ₃₀	23489	1993 FG ₃₀	23489	1993 FH ₃₀	23489
1993 FQ ₂₁	23488	1993 FR ₂₁	23488	1993 FS ₂₁	23488	1993 FT ₂₁	23488	1993 FJ ₃₀	23489	1993 FK ₃₀	23489	1993 FL ₃₀	23489	1993 FM ₃₀	23489
1993 FU ₂₁	23488	1993 FV ₂₁	23488	1993 FW ₂₁	23488	1993 FX ₂₁	23488	1993 FO ₃₀	23489	1993 FP ₃₀	23489	1993 FQ ₃₀	23489	1993 FR ₃₀	23489
1993 FZ ₂₁	23488	1993 FA ₂₂	23488	1993 FB ₂₂	23524	1993 FC ₂₂	23488	1993 FT ₃₀	23489	1993 FU ₃₀	23489	1993 FV ₃₀	23489	1993 FW ₃₀	23489
1993 FD ₂₂	23488	1993 FE ₂₂	23488	1993 FF ₂₂	23488	1993 FG ₂₂	23488	1993 FX ₃₀	23489	1993 FY ₃₀	23489	1993 FZ ₃₀	23489	1993 FA ₃₁	23489
1993 FH ₂₂	23524	1993 FJ ₂₂	23488	1993 FK ₂₂	23488	1993 FL ₂₂	23488	1993 FB ₃₁	23489	1993 FC ₃₁	23489	1993 FE ₃₁	23489	1993 FF ₃₁	23489
1993 FM ₂₂	23488	1993 FN ₂₂	23488	1993 FO ₂₂	23488	1993 FP ₂₂	23488	1993 FG ₃₁	23489	1993 FH ₃₁	23489	1993 FJ ₃₁	23489	1993 FK ₃₁	23489
1993 FQ ₂₂	23488	1993 FS ₂₂	23488	1993 FT ₂₂	23488	1993 FU ₂₂	23488	1993 FL ₃₁	23489	1993 FM ₃₁	23489	1993 FN ₃₁	23489	1993 FO ₃₁	23489
1993 FV ₂₂	23488	1993 FW ₂₂	23488	1993 FX ₂₂	23488	1993 FY ₂₂	23524	1993 FP ₃₁	23489	1993 FQ ₃₁	23490	1993 FS ₃₁	23490	1993 FT ₃₁	23490
1993 FZ ₂₂	23488	1993 FA ₂₃	23524	1993 FB ₂₃	23488	1993 FC ₂₃	23488	1993 FU ₃₁	23490	1993 FV ₃₁	23490	1993 FW ₃₁	23490	1993 FX ₃₁	23490
1993 FD ₂₃	23488	1993 FE ₂₃	23488	1993 FF ₂₃	23488	1993 FG ₂₃	23524	1993 FY ₃₁	23490	1993 FZ ₃₁	23490	1993 FA ₃₂	23490	1993 FB ₃₂	23490
1993 FH ₂₃	23488	1993 FJ ₂₃	23488	1993 FK ₂₃	23524	1993 FL ₂₃	23488	1993 FC ₃₂	23490	1993 FD ₃₂	23490	1993 FE ₃₂	23490	1993 FF ₃₂	23490
1993 FM ₂₃	23525	1993 FN ₂₃	23488	1993 FO ₂₃	23488	1993 FP ₂₃	23488	1993 FJ ₃₂	23490	1993 FL ₃₂	23490	1993 FM ₃₂	23490	1993 FN ₃₂	23490
1993 FQ ₂₃	23488	1993 FR ₂₃	23525	1993 FS ₂₃	23525	1993 FT ₂₃	23525	1993 FO ₃₂	23490	1993 FP ₃₂	23490	1993 FQ ₃₂	23490	1993 FR ₃₂	23490
1993 FU ₂₃	23488	1993 FV ₂₃	23488	1993 FW ₂₃	23488	1993 FX ₂₃	23488	1993 FS ₃₂	23490	1993 FT ₃₂	23490	1993 FU ₃₂	23490	1993 FV ₃₂	23526
1993 FY ₂₃	23488	1993 FZ ₂₃	23488	1993 FA ₂₄	23488	1993 FB ₂₄	23488	1993 FW ₃₂	23490	1993 FX ₃₂	23490	1993 FY ₃₂	23490	1993 FZ ₃₂	23490
1993 FC ₂₄	23488	1993 FD ₂₄	23488	1993 FE ₂₄	23488	1993 FF ₂₄	23488	1993 FA ₃₃	23490	1993 FB ₃₃	23490	1993 FC ₃₃	23490	1993 FE ₃₃	23490
1993 FE ₂₄	23488	1993 FH ₂₄	23992	1993 FJ ₂₄	23488	1993 FK ₂₄	23488	1993 FF ₃₃	23490	1993 FG ₃₃	23490	1993 FH ₃₃	23490	1993 FJ ₃₃	23490
1993 FL ₂₄	23980	1993 FM ₂₄	23488	1993 FN ₂₄	23488	1993 FO ₂₄	23488	1993 FK ₃₃	23490	1993 FL ₃₃	23526	1993 FM ₃₃	23490	1993 FN ₃₃	23490
1993 FQ ₂₄	23488	1993 FR ₂₄	23488	1993 FS ₂₄	23488	1993 FT ₂₄	23488	1993 FO ₃₃	23490	1993 FP ₃₃	23490	1993 FQ ₃₃	23490	1993 FR ₃₃	23490
1993 FU ₂₄	23488	1993 FV ₂₄	23488	1993 FW ₂₄	23488	1993 FX ₂₄	23488	1993 FS ₃₃	23490	1993 FT ₃₃	23526	1993 FU ₃₃	23490	1993 FV ₃₃	23490
1993 FY ₂₄	23488	1993 FZ ₂₄	23488	1993 FA ₂₅	23488	1993 FB ₂₅	23488	1993 FW ₃₃	23490	1993 FX ₃₃	23490	1993 FY ₃₃	23490	1993 FA ₃₄	23490
1993 FC ₂₅	23488	1993 FD ₂₅	23488	1993 FE ₂₅	23488	1993 FF ₂₅	23488	1993 FB ₃₄	23490	1993 FC ₃₄	23490	1993 FD ₃₄	23490	1993 FE ₃₄	23490
1993 FE ₂₅	23488	1993 FH ₂₅	23488	1993 FJ ₂₅	23488	1993 FK ₂₅	23488	1993 FF ₃₄	23490	1993 FG ₃₄	23490	1993 FH ₃₄	23490	1993 FJ ₃₄	23490
1993 FL ₂₅	23488	1993 FM ₂₅	23488	1993 FO ₂₅	23488	1993 FP ₂₅	23488	1993 FK ₃₄	23490	1993 FL ₃₄	23490	1993 FM ₃₄	23490	1993 FN ₃₄	23490
1993 FR ₂₅	23488	1993 FS ₂₅	23488	1993 FT ₂₅	23488	1993 FU ₂₅	23488	1993 FO ₃₄	23490	1993 FP ₃₄	23490	1993 FQ ₃₄	23490	1993 FR ₃₄	23490
1993 FV ₂₅	23488	1993 FX ₂₅	23488	1993 FY ₂₅	23488	1993 FZ ₂₅	23488	1993 FS ₃₄	23490	1993 FT ₃₄	23490	1993 FU ₃₄	23490	1993 FV ₃₄	23490
1993 FA ₂₆	23488	1993 FB ₂₆	23488	1993 FC ₂₆	23488	1993 FD ₂₆	23488	1993 FW ₃₄	23526	1993 FX ₃₄	23490	1993 FY ₃₄	23490	1993 FZ ₃₄	23490
1993 FE ₂₆	23525	1993 FF ₂₆	23525	1993 FG ₂₆	23488	1993 FH ₂₆	23488	1993 FA ₃₅	23490	1993 FB ₃₅	23490	1993 FC ₃₅	23490	1993 FE ₃₅	23490
1993 FJ ₂₆	23488	1993 FK ₂₆	23488	1993 FL ₂₆	23488	1993 FM ₂₆	23488	1993 FF ₃₅	23490	1993 FG ₃₅	23490	1993 FH ₃₅	23490	1993 FJ ₃₅	23490
1993 FN ₂₆	23488	1993 FP ₂₆	23489	1993 FQ ₂₆	23489	1993 FR ₂₆	23489	1993 FK ₃₅	23490	1993 FL ₃₅	23490	1993 FN ₃₅	23490	1993 FO ₃₅	23490
1993 FS ₂₆	23489	1993 FT ₂₆	23992	1993 FU ₂₆	23489	1993 FV ₂₆	23526	1993 FP ₃₅	23490	1993 FQ ₃₅	23490	1993 FR ₃₅	23490	1993 FS ₃₅	23490
1993 FW ₂₆	23489	1993 FX ₂₆	23489	1993 FZ ₂₆	23489	1993 FA ₂₇	23489	1993 FT ₃₅	23490	1993 FU ₃₅	23490	1993 FV ₃₅	23490	1993 FW ₃₅	23490
1993 FD ₂₇	23489	1993 FC ₂₇	23489	1993 FD ₂₇	23489	1993 FE ₂₇	23489	1993 FX ₃₅	23490	1993 FZ ₃₅	23490	1993 FA ₃₆	23490	1993 FB ₃₆	23490
1993 FF ₂₇	23489	1993 FG ₂₇	23489	1993 FH ₂₇	23489	1993 FJ ₂₇	23489	1993 FB ₃₆	23490	1993 FC ₃₆	23490	1993 FD ₃₆	23490	1993 FE ₃₆	23490

1993 FF ₃₆	23490	1993 FH ₃₆	23490	1993 FJ ₃₆	23490	1993 FL ₃₆	23490	1993 FX ₄₄	23492	1993 FY ₄₄	23492	1993 FZ ₄₄	23492	1993 FA ₄₅	23528
1993 FM ₃₆	23490	1993 FN ₃₆	23490	1993 FO ₃₆	23870	1993 FP ₃₆	23490	1993 FB ₄₅	23492	1993 FC ₄₅	23492	1993 FD ₄₅	23492	1993 FE ₄₅	23492
1993 FQ ₃₆	23490	1993 FR ₃₆	23490	1993 FS ₃₆	23490	1993 FT ₃₆	23490	1993 FF ₄₅	23492	1993 FG ₄₅	23492	1993 FH ₄₅	23492	1993 FJ ₄₅	23492
1993 FU ₃₆	23490	1993 FW ₃₆	23490	1993 FX ₃₆	23491	1993 FY ₃₆	23491	1993 FK ₄₅	23492	1993 FL ₄₅	23492	1993 FM ₄₅	23492	1993 FN ₄₅	23492
1993 FZ ₃₆	23527	1993 FA ₃₇	23491	1993 FB ₃₇	23491	1993 FC ₃₇	23491	1993 FO ₄₅	23492	1993 FP ₄₅	23492	1993 FR ₄₅	23492	1993 FS ₄₅	23492
1993 FD ₃₇	23491	1993 FE ₃₇	23491	1993 FF ₃₇	23491	1993 FG ₃₇	23491	1993 FT ₄₅	23492	1993 FU ₄₅	23492	1993 FV ₄₅	23492	1993 FW ₄₅	23492
1993 FH ₃₇	23491	1993 FJ ₃₇	23491	1993 FK ₃₇	23491	1993 FL ₃₇	23491	1993 FX ₄₅	23492	1993 FY ₄₅	23492	1993 FZ ₄₅	23492	1993 FA ₄₆	23492
1993 FM ₃₇	23491	1993 FN ₃₇	23491	1993 FO ₃₇	23491	1993 FP ₃₇	23491	1993 FB ₄₆	23492	1993 FC ₄₆	23492	1993 FD ₄₆	23492	1993 FE ₄₆	23492
1993 FQ ₃₇	23491	1993 FR ₃₇	23491	1993 FS ₃₇	23491	1993 FT ₃₇	23491	1993 FF ₄₆	23492	1993 FG ₄₆	23492	1993 FH ₄₆	23492	1993 FJ ₄₆	23492
1993 FU ₃₇	23491	1993 FV ₃₇	23491	1993 FW ₃₇	23527	1993 FX ₃₇	23527	1993 FK ₄₆	23492	1993 FL ₄₆	23492	1993 FM ₄₆	23492	1993 FN ₄₆	23492
1993 FY ₃₇	23491	1993 FZ ₃₇	23491	1993 FA ₃₈	23491	1993 FB ₃₈	23491	1993 FO ₄₆	23492	1993 FP ₄₆	23492	1993 FQ ₄₆	23492	1993 FR ₄₆	23492
1993 FC ₃₈	23491	1993 FD ₃₈	23491	1993 FE ₃₈	23491	1993 FF ₃₈	23491	1993 FS ₄₆	23492	1993 FT ₄₆	23492	1993 FU ₄₆	23492	1993 FV ₄₆	23493
1993 FG ₃₈	23491	1993 FH ₃₈	23491	1993 FJ ₃₈	23491	1993 FK ₃₈	23491	1993 FX ₄₆	23493	1993 FY ₄₆	23493	1993 FZ ₄₆	23493	1993 FA ₄₇	23493
1993 FL ₃₈	23491	1993 FM ₃₈	23491	1993 FN ₃₈	23491	1993 FO ₃₈	23491	1993 FB ₄₇	23493	1993 FC ₄₇	23493	1993 FD ₄₇	23493	1993 FE ₄₇	23493
1993 FP ₃₈	23491	1993 FQ ₃₈	23491	1993 FR ₃₈	23491	1993 FS ₃₈	23491	1993 FF ₄₇	23493	1993 FG ₄₇	23493	1993 FH ₄₇	23493	1993 FJ ₄₇	23493
1993 FT ₃₈	23491	1993 FU ₃₈	23527	1993 FV ₃₈	23491	1993 FW ₃₈	23491	1993 FL ₄₇	23493	1993 FM ₄₇	23493	1993 FN ₄₇	23493	1993 FO ₄₇	23493
1993 FX ₃₈	23491	1993 FY ₃₈	23491	1993 FZ ₃₈	23491	1993 FA ₃₉	23491	1993 FP ₄₇	23493	1993 FQ ₄₇	23493	1993 FR ₄₇	23493	1993 FS ₄₇	23493
1993 FB ₃₉	23491	1993 FC ₃₉	23491	1993 FD ₃₉	23491	1993 FE ₃₉	23491	1993 FT ₄₇	23493	1993 FU ₄₇	23493	1993 FV ₄₇	23493	1993 FW ₄₇	23493
1993 FF ₃₉	23491	1993 FG ₃₉	23491	1993 FH ₃₉	23491	1993 FJ ₃₉	23491	1993 FX ₄₇	23493	1993 FY ₄₇	23493	1993 FZ ₄₇	23493	1993 FA ₄₈	23493
1993 FK ₃₉	23491	1993 FL ₃₉	23491	1993 FM ₃₉	23491	1993 FN ₃₉	23491	1993 FB ₄₈	23493	1993 FC ₄₈	23493	1993 FD ₄₈	23493	1993 FE ₄₈	23790
1993 FO ₃₉	23491	1993 FP ₃₉	23491	1993 FQ ₃₉	23491	1993 FR ₃₉	23491	1993 FF ₄₈	23493	1993 FG ₄₈	23493	1993 FH ₄₈	23493	1993 FJ ₄₈	23493
1993 FS ₃₉	23870	1993 FT ₃₉	23491	1993 FU ₃₉	23491	1993 FV ₃₉	23491	1993 FK ₄₈	23493	1993 FL ₄₈	23493	1993 FM ₄₈	23493	1993 FN ₄₈	23493
1993 FY ₃₉	23491	1993 FZ ₃₉	23491	1993 FA ₄₀	23491	1993 FB ₄₀	23491	1993 FO ₄₈	23493	1993 FP ₄₈	23493	1993 FQ ₄₈	23493	1993 FR ₄₈	23493
1993 FC ₄₀	23491	1993 FD ₄₀	23491	1993 FE ₄₀	23491	1993 FF ₄₀	23491	1993 FS ₄₈	23493	1993 FT ₄₈	23493	1993 FU ₄₈	23493	1993 FV ₄₈	23493
1993 FG ₄₀	23491	1993 FH ₄₀	23491	1993 FJ ₄₀	23491	1993 FK ₄₀	23491	1993 FX ₄₈	23493	1993 FY ₄₈	23493	1993 FZ ₄₈	23493	1993 FA ₄₉	23493
1993 FL ₄₀	23491	1993 FM ₄₀	23527	1993 FN ₄₀	23491	1993 FO ₄₀	23527	1993 FA ₄₉	23493	1993 FB ₄₉	23493	1993 FC ₄₉	23493	1993 FD ₄₉	23493
1993 FP ₄₀	23491	1993 FQ ₄₀	23491	1993 FR ₄₀	23491	1993 FS ₄₀	23491	1993 FE ₄₉	23493	1993 FF ₄₉	23493	1993 FH ₄₉	23493	1993 FJ ₄₉	23493
1993 FT ₄₀	23491	1993 FU ₄₀	23491	1993 FV ₄₀	23491	1993 FW ₄₀	23491	1993 FK ₄₉	23493	1993 FL ₄₉	23493	1993 FM ₄₉	23493	1993 FN ₄₉	23493
1993 FX ₄₀	23527	1993 FY ₄₀	23491	1993 FZ ₄₀	23491	1993 FA ₄₁	23491	1993 FO ₄₉	23493	1993 FP ₄₉	23493	1993 FQ ₄₉	23493	1993 FR ₄₉	23493
1993 FB ₄₁	23491	1993 FC ₄₁	23491	1993 FD ₄₁	23491	1993 FE ₄₁	23491	1993 FS ₄₉	23493	1993 FT ₄₉	23493	1993 FU ₄₉	23493	1993 FV ₄₉	23493
1993 FF ₄₁	23491	1993 FG ₄₁	23491	1993 FH ₄₁	23491	1993 FJ ₄₁	23491	1993 FW ₄₉	23493	1993 FX ₄₉	23493	1993 FY ₄₉	23493	1993 FZ ₄₉	23493
1993 FK ₄₁	23491	1993 FL ₄₁	23491	1993 FM ₄₁	23491	1993 FN ₄₁	23528	1993 FA ₅₀	23493	1993 FB ₅₀	23493	1993 FC ₅₀	23493	1993 FE ₅₀	23493
1993 FO ₄₁	23491	1993 FP ₄₁	23491	1993 FQ ₄₁	23491	1993 FR ₄₁	23491	1993 FF ₅₀	23493	1993 FG ₅₀	23493	1993 FH ₅₀	23493	1993 FJ ₅₀	23528
1993 FS ₄₁	23491	1993 FT ₄₁	23528	1993 FU ₄₁	23491	1993 FV ₄₁	23491	1993 FK ₅₀	23493	1993 FL ₅₀	23493	1993 FN ₅₀	23493	1993 FO ₅₀	23493
1993 FW ₄₁	23491	1993 FX ₄₁	23491	1993 FY ₄₁	23491	1993 FZ ₄₁	23491	1993 FP ₅₀	23493	1993 FQ ₅₀	23493	1993 FR ₅₀	23493	1993 FS ₅₀	23528
1993 FA ₄₂	23492	1993 FB ₄₂	23492	1993 FC ₄₂	23492	1993 FD ₄₂	23492	1993 FT ₅₀	23493	1993 FU ₅₀	23493	1993 FV ₅₀	23493	1993 FW ₅₀	23493
1993 FE ₄₂	23492	1993 FF ₄₂	23492	1993 FH ₄₂	23492	1993 FJ ₄₂	23492	1993 FX ₅₀	23493	1993 FY ₅₀	23493	1993 FZ ₅₀	23493	1993 FA ₅₁	23493
1993 FK ₄₂	23492	1993 FL ₄₂	23492	1993 FM ₄₂	23492	1993 FN ₄₂	23492	1993 FB ₅₁	23493	1993 FC ₅₁	23493	1993 FD ₅₁	23493	1993 FE ₅₁	23493
1993 FP ₄₂	23492	1993 FQ ₄₂	23492	1993 FR ₄₂	23492	1993 FS ₄₂	23492	1993 FF ₅₁	23493	1993 FG ₅₁	23493	1993 FH ₅₁	23493	1993 FJ ₅₁	23493
1993 FT ₄₂	23492	1993 FU ₄₂	23492	1993 FV ₄₂	23492	1993 FW ₄₂	23492	1993 FK ₅₁	23493	1993 FO ₅₁	23652	1993 FP ₅₁	23652	1993 FT ₅₁	23652
1993 FX ₄₂	23492	1993 FY ₄₂	23492	1993 FZ ₄₂	23492	1993 FA ₄₃	23492	1993 FU ₅₁	23652	1993 FV ₅₁	23652	1993 FX ₅₁	23652	1993 FY ₅₁	23652
1993 FB ₄₃	23492	1993 FD ₄₃	23492	1993 FE ₄₃	23492	1993 FF ₄₃	23492	1993 FC ₅₂	23652	1993 FK ₅₂	23652	1993 FM ₅₂	23652	1993 FN ₅₂	23652
1993 FG ₄₃	23492	1993 FH ₄₃	23492	1993 FJ ₄₃	23492	1993 FK ₄₃	23492	1993 FP ₅₂	23652	1993 FR ₅₂	23652	1993 FT ₅₂	23652	1993 FU ₅₂	23652
1993 FL ₄₃	23492	1993 FM ₄₃	23492	1993 FN ₄₃	23492	1993 FO ₄₃	23492	1993 FW ₅₂	23652	1993 FX ₅₂	23652	1993 FY ₅₂	23652	1993 FZ ₅₂	23652
1993 FP ₄₃	23492	1993 FQ ₄₃	23492	1993 FR ₄₃	23492	1993 FS ₄₃	23492	1993 FA ₅₃	23652	1993 FD ₅₃	23652	1993 FE ₅₃	23652	1993 FP ₅₃	23652
1993 FT ₄₃	23492	1993 FU ₄₃	23492	1993 FV ₄₃	23492	1993 FW ₄₃	23492	1993 FT ₅₃	23652	1993 FU ₅₃	23652	1993 FV ₅₃	23652	1993 FY ₅₃	23652
1993 FY ₄₃	23492	1993 FZ ₄₃	23492	1993 FA ₄₄	23492	1993 FB ₄₄	23492	1993 FB ₅₄	23652	1993 FE ₅₄	23652	1993 FF ₅₄	23652	1993 FL ₅₄	23652
1993 FC ₄₄	23492	1993 FD ₄₄	23492	1993 FE ₄₄	23492	1993 FF ₄₄	23492	1993 FO ₅₄	23652	1993 FQ ₅₄	23652	1993 FR ₅₄	23652	1993 FX ₅₄	23652
1993 FG ₄₄	23492	1993 FH ₄₄	23492	1993 FJ ₄₄	23492	1993 FK ₄₄	23492	1993 FX ₅₅	23652	1993 FY ₅₅	23675	1993 FZ ₅₅	23652	1993 FA ₅₆	23652
1993 FL ₄₄	23492	1993 FM ₄₄	23492	1993 FN ₄₄	23492	1993 FO ₄₄	23492	1993 FB ₅₆	23652	1993 FC ₅₆	23652	1993 FD ₅₆	23652	1993 FE ₅₆	23652
1993 FP ₄₄	23492	1993 FQ ₄₄	23492	1993 FR ₄₄	23528	1993 FS ₄₄	23492	1993 FS ₅₆	23652	1993 FG ₅₆	23652	1993 FH ₅₆	23652	1993 FR ₅₆	23652
1993 FT ₄₄	23492	1993 FU ₄₄	23492	1993 FV ₄₄	23492	1993 FW ₄₄	23492	1993 FT ₅₆	23652	1993 FU ₅₆	23652	1993 FX ₅₆	23652	1993 FM ₅₇	23652

1993 FT ₅₇	23652	1993 FZ ₅₇	23652	1993 FQ ₅₈	23652	1993 FR ₅₈	23675	1993 LE ₁	22385	1993 LF ₁	22385	1993 LG ₁	22472	1993 LH ₁	22385
1993 FU ₅₈	23652	1993 FV ₅₈	23652	1993 FJ ₅₉	23652	1993 FP ₅₉	23652	1993 LJ ₁	22385	1993 LK ₁	22385	1993 LO ₁	22385	1993 LP ₁	22385
1993 FR ₅₉	23652	1993 FT ₅₉	23652	1993 FV ₅₉	23652	1993 FW ₅₉	23652	1993 LQ ₁	22385	1993 LR ₁	22385	1993 LS ₁	22385	1993 LT ₁	22385
1993 FB ₆₀	23652	1993 FC ₆₀	23652	1993 FH ₆₀	23652	1993 FM ₆₀	23652	1993 LU ₁	22385	1993 LW ₁	22385	1993 LA ₂	22385	1993 LD ₂	22472
1993 FQ ₆₀	23652	1993 FS ₆₀	23652	1993 FW ₆₀	23652	1993 FZ ₆₀	23652	1993 LF ₂	23956	1993 LG ₂	23981	1993 LH ₂	23956	1993 MB	23653
1993 FC ₆₁	23652	1993 FY ₆₁	23652	1993 FB ₆₂	23652	1993 FG ₆₂	23652	1993 MC	22664	1993 MJ	22472	1993 MK	22489	1993 MO	22827
1993 FH ₆₂	23652	1993 FL ₆₂	23652	1993 FM ₆₂	23652	1993 FN ₆₂	23652	1993 MR	22385	1993 MV	22385	1993 MX	22385	1993 MY	22385
1993 FO ₆₂	23652	1993 FR ₆₂	23652	1993 FS ₆₂	23652	1993 FU ₆₂	23652	1993 MZ	22385	1993 MA ₁	22827	1993 MB ₁	22385	1993 ME ₁	22700
1993 FY ₆₂	23652	1993 FB ₆₃	23652	1993 FM ₆₃	23652	1993 FY ₆₃	23653	1993 MF ₁	22385	1993 MG ₁	22827	1993 MS ₁	22827	1993 NA	22572
1993 FA ₆₄	23653	1993 FO ₆₄	23653	1993 FU ₆₄	23653	1993 FG ₆₆	23653	1993 NB	22472	1993 NF	22664	1993 NH	22827	1993 NJ	22572
1993 FD ₆₇	23653	1993 FA ₆₈	23653	1993 FL ₆₉	23653	1993 FZ ₇₂	23653	1993 NO	22932	1993 NT	22932	1993 NV	22932	1993 NX	22932
1993 FP ₇₃	23653	1993 FQ ₇₃	23653	1993 FW ₇₃	23653	1993 FC ₇₄	23653	1993 NY	22932	1993 NA ₁	22932	1993 NF ₁	22932	1993 NG ₁	22932
1993 FY ₇₅	23653	1993 FC ₇₆	23653	1993 FE ₇₆	23653	1993 FF ₇₆	23653	1993 NJ ₁	22932	1993 NK ₁	22932	1993 NL ₁	22932	1993 NM ₁	22932
1993 FG ₇₆	23653	1993 FN ₇₆	23653	1993 FP ₇₆	23653	1993 FQ ₇₆	23653	1993 NN ₁	22932	1993 NQ ₁	22932	1993 NR ₁	22932	1993 NS ₁	22932
1993 FD ₇₇	23653	1993 FE ₇₇	23653	1993 FH ₇₇	23653	1993 FM ₇₇	23653	1993 NT ₁	22932	1993 NU ₁	22932	1993 NV ₁	22932	1993 NW ₁	22932
1993 FN ₇₇	23653	1993 FO ₇₇	23653	1993 FS ₇₇	23653	1993 FX ₇₇	23653	1993 NX ₁	22932	1993 NZ ₁	22932	1993 NA ₂	22932	1993 NB ₂	23529
1993 FE ₇₈	23653	1993 FY ₇₈	23653	1993 FG ₇₉	23653	1993 FX ₇₉	23980	1993 NC ₂	22932	1993 ND ₂	22932	1993 NE ₂	22932	1993 NF ₂	22932
1993 GA	23653	1993 GB	22572	1993 GC	22199	1993 GD	22199	1993 NJ ₂	22932	1993 NK ₂	22933	1993 NL ₂	22933	1993 NM ₂	22933
1993 GE	23992	1993 GH	22199	1993 GL	22199	1993 GM	22495	1993 OB	22816	1993 OC	22664	1993 OD	22827	1993 OM	22572
1993 GN	22199	1993 GO	23135	1993 GP	22572	1993 GR	22432	1993 ON	22472	1993 OP	22827	1993 OT	22572	1993 OV	22816
1993 GS	22384	1993 GT	22472	1993 GY	23350	1993 GZ	22384	1993 OW	22933	1993 OX	22472	1993 OM ₁	22664	1993 OU ₁	22664
1993 GA ₁	23493	1993 GB ₁	22572	1993 GC ₁	22472	1993 GD ₁	23863	1993 OV ₁	22827	1993 OW ₁	22690	1993 OY ₁	23653	1993 OB ₂	22472
1993 GE ₁	22472	1993 GF ₁	22472	1993 GG ₁	22472	1993 GH ₁	22472	1993 OC ₂	22827	1993 OD ₂	22572	1993 OE ₂	22572	1993 OX ₂	22691
1993 GJ ₁	22472	1993 GK ₁	22572	1993 GL ₁	22572	1993 GM ₁	22572	1993 OY ₂	22664	1993 OZ ₂	23350	1993 OA ₃	23135	1993 OC ₃	22933
1993 GN ₁	22595	1993 HA	22409	1993 HB	22199	1993 HC	22409	1993 OD ₃	22933	1993 OE ₃	22933	1993 OF ₃	22933	1993 OH ₃	22933
1993 HD	22199	1993 HE	22384	1993 HF	22241	1993 HG	23676	1993 OJ ₃	22794	1993 OL ₃	22933	1993 OM ₃	22933	1993 ON ₃	22933
1993 HH	22384	1993 HJ	22384	1993 HK	22596	1993 HL	23870	1993 OO ₃	22933	1993 OP ₃	22794	1993 OQ ₃	22794	1993 OS ₃	22794
1993 HP	22242	1993 HR	22199	1993 HS	22199	1993 HW	22472	1993 OV ₃	22933	1993 OW ₃	22933	1993 OY ₃	22933	1993 OZ ₃	22933
1993 HX	22472	1993 HY	22432	1993 HB ₁	22199	1993 HC ₁	23539	1993 OA ₄	22958	1993 OB ₄	22794	1993 OC ₄	22794	1993 OD ₄	22664
1993 HE ₁	22199	1993 HG ₁	22199	1993 HH ₁	22199	1993 HK ₁	22488	1993 OE ₄	22933	1993 OG ₄	22794	1993 OH ₄	22794	1993 OK ₄	22794
1993 HM ₁	22432	1993 HN ₁	22384	1993 HO ₁	23863	1993 HP ₁	22199	1993 OM ₄	22794	1993 OO ₄	22794	1993 OQ ₄	22794	1993 OV ₄	22794
1993 HQ ₁	23539	1993 HR ₁	23980	1993 HS ₁	22199	1993 HT ₁	22410	1993 OW ₄	22794	1993 OZ ₄	22794	1993 OC ₅	22664	1993 OD ₅	22794
1993 HV ₁	23980	1993 HW ₁	22489	1993 HA ₂	23870	1993 HU ₂	22199	1993 OG ₅	22794	1993 OH ₅	22794	1993 OL ₅	22794	1993 OO ₅	22794
1993 HW ₂	22199	1993 HA ₃	22199	1993 HH ₃	23528	1993 HJ ₃	23493	1993 OP ₅	22794	1993 OQ ₅	22794	1993 OR ₅	22794	1993 OT ₅	22794
1993 HL ₃	23493	1993 HO ₃	23493	1993 HE ₄	22199	1993 HH ₄	22199	1993 OU ₅	22794	1993 OV ₅	22794	1993 OW ₅	22794	1993 OX ₅	22794
1993 HJ ₄	22199	1993 HK ₄	22199	1993 HM ₄	22663	1993 HN ₄	22663	1993 OZ ₅	22794	1993 OA ₆	22794	1993 OD ₆	22794	1993 OE ₆	22794
1993 HO ₄	22199	1993 HV ₄	22663	1993 HZ ₄	22199	1993 HK ₅	22663	1993 OF ₆	22794	1993 OG ₆	22794	1993 OH ₆	22794	1993 OJ ₆	22794
1993 HL ₅	23493	1993 HY ₅	22384	1993 HZ ₅	22384	1993 HA ₆	22384	1993 OK ₆	22794	1993 ON ₆	22794	1993 OP ₆	22794	1993 OT ₆	22794
1993 HD ₆	22572	1993 HL ₆	23539	1993 HG ₇	22572	1993 HH ₇	22572	1993 OW ₆	22794	1993 OX ₆	22794	1993 OY ₆	22795	1993 OA ₇	22795
1993 JA	22384	1993 JD	22472	1993 JE	22495	1993 JF	22411	1993 OB ₇	22795	1993 OH ₇	22795	1993 OJ ₇	22795	1993 OK ₇	22795
1993 JH	22495	1993 JJ	22411	1993 JK	22384	1993 JL	22412	1993 OM ₇	22664	1993 ON ₇	22933	1993 OO ₇	22933	1993 OP ₇	22795
1993 JQ	22794	1993 JV	23992	1993 JW	22794	1993 JX	22958	1993 OS ₇	22933	1993 OT ₇	22933	1993 OU ₇	22933	1993 OX ₇	22933
1993 JY	22794	1993 JZ	22794	1993 JB ₁	23992	1993 JF ₁	22794	1993 OA ₈	22933	1993 OD ₈	22933	1993 OF ₈	22933	1993 OG ₈	22795
1993 JG ₁	22794	1993 JJ ₁	22794	1993 JK ₁	23981	1993 JL ₁	22958	1993 OJ ₈	22933	1993 OL ₈	22933	1993 OM ₈	22933	1993 ON ₈	22933
1993 JM ₁	22794	1993 KA	22412	1993 KC	22700	1993 KD	23981	1993 OQ ₈	22933	1993 OR ₈	22933	1993 OS ₈	22933	1993 OT ₈	22933
1993 KF	22384	1993 KH	22958	1993 KJ	22384	1993 KL	23992	1993 OU ₈	22933	1993 OX ₈	22933	1993 OZ ₈	22933	1993 OE ₉	22933
1993 KM	23992	1993 KO	22663	1993 KP	22827	1993 KQ	22413	1993 OF ₉	22959	1993 OG ₉	22933	1993 OH ₉	22933	1993 OJ ₉	22933
1993 KR	22385	1993 KY	22664	1993 KZ	22385	1993 KT ₁	22495	1993 OK ₉	22933	1993 OL ₉	22933	1993 ON ₉	23791	1993 OQ ₉	22933
1993 KW ₁	22385	1993 KX ₁	22385	1993 KY ₁	22495	1993 KZ ₁	22385	1993 OR ₉	22933	1993 OS ₉	22933	1993 OU ₉	22933	1993 OW ₉	22933
1993 KA ₂	22414	1993 KB ₂	23790	1993 KD ₂	22495	1993 KQ ₂	23767	1993 OX ₉	22933	1993 OY ₉	22933	1993 OB ₁₀	22933	1993 OG ₁₀	22933
1993 LA	22385	1993 LC	22385	1993 LE	22385	1993 LF	22385	1993 OH ₁₀	22933	1993 OJ ₁₀	22933	1993 OK ₁₀	22933	1993 OM ₁₀	22959
1993 LX	22385	1993 LZ	22385	1993 LC ₁	22385	1993 LD ₁	23981	1993 OP ₁₀	22933	1993 OS ₁₀	23676	1993 OV ₁₀	22959	1993 OW ₁₀	22933

1993 OY ₁₀	22933	1993 OA ₁₁	22933	1993 OE ₁₁	22933	1993 OX ₁₁	22933	1993 QJ ₉	23768	1993 QM ₉	23768	1993 QP ₉	23768	1993 QR ₉	23768
1993 OZ ₁₁	22933	1993 OF ₁₂	22933	1993 OH ₁₂	22959	1993 OP ₁₂	22933	1993 QS ₉	23768	1993 QU ₉	23768	1993 QY ₉	23768	1993 QA ₁₀	23768
1993 OS ₁₂	22933	1993 OT ₁₂	23653	1993 OV ₁₂	22933	1993 OX ₁₂	22933	1993 RA	22664	1993 RB	22960	1993 RC	22933	1993 RD	23539
1993 OY ₁₂	22933	1993 OA ₁₃	22933	1993 OB ₁₃	22933	1993 OE ₁₃	22933	1993 RE	22691	1993 RH	22795	1993 RK	22664	1993 RO	23982
1993 OG ₁₃	22933	1993 OH ₁₃	22933	1993 OP ₁₃	22933	1993 OR ₁₃	22933	1993 RP	23493	1993 RQ	22664	1993 RR	23135	1993 RS	22664
1993 OS ₁₃	22933	1993 PA	22572	1993 PB	22700	1993 PC	23992	1993 RY ₁	23247	1993 RZ ₁	22664	1993 RA ₂	22664	1993 RC ₂	22664
1993 PE	22664	1993 PF	22572	1993 PM	22572	1993 PP	22572	1993 RD ₂	22795	1993 RF ₂	22971	1993 RH ₂	22971	1993 RM ₂	22795
1993 PA ₁	22572	1993 PC ₁	22572	1993 PP ₂	22572	1993 PR ₂	22572	1993 RP ₂	22664	1993 RR ₂	23247	1993 RZ ₂	22664	1993 RA ₃	22795
1993 PU ₂	22572	1993 PX ₂	22572	1993 PZ ₂	23956	1993 PA ₃	22572	1993 RD ₃	22795	1993 RP ₃	22933	1993 RS ₃	22933	1993 RU ₃	22933
1993 PB ₃	23957	1993 PC ₃	23957	1993 PD ₃	23957	1993 PE ₃	23957	1993 RW ₃	22933	1993 RX ₃	23992	1993 RZ ₅	23107	1993 RJ ₆	23107
1993 PH ₃	23957	1993 PJ ₃	23957	1993 PL ₃	23957	1993 PM ₃	23957	1993 RQ ₆	22933	1993 RZ ₆	22933	1993 RB ₇	23982	1993 RC ₇	22933
1993 PP ₃	23957	1993 PQ ₃	22572	1993 PR ₃	22572	1993 PS ₃	23957	1993 RF ₇	23957	1993 RJ ₇	23957	1993 RM ₇	23957	1993 RN ₇	23957
1993 PT ₃	23957	1993 PU ₃	22572	1993 PV ₃	23957	1993 PW ₃	23957	1993 RP ₇	23957	1993 RR ₇	23957	1993 RS ₇	23957	1993 RT ₇	23957
1993 PX ₃	23957	1993 PY ₃	23957	1993 PA ₄	22572	1993 PN ₄	23957	1993 RU ₇	23957	1993 RY ₇	23957	1993 RA ₈	23957	1993 RC ₈	23957
1993 PR ₄	23957	1993 PS ₄	23957	1993 PT ₄	23957	1993 PU ₄	23957	1993 SA	22664	1993 SB	23493	1993 SC	23863	1993 SD	22971
1993 PV ₄	23957	1993 PX ₄	23957	1993 PA ₅	23957	1993 PB ₅	23957	1993 SE	22933	1993 SF	22933	1993 SG	23247	1993 SO	22664
1993 PC ₅	22664	1993 PE ₅	23957	1993 PF ₅	23957	1993 PG ₅	23957	1993 SZ	22664	1993 SA ₁	22664	1993 SB ₁	22664	1993 SD ₁	22795
1993 PH ₅	23957	1993 PJ ₅	23957	1993 PK ₅	23957	1993 PN ₅	23957	1993 SG ₁	23135	1993 SH ₁	22795	1993 SJ ₁	23135	1993 SK ₁	22692
1993 PO ₅	22664	1993 PS ₅	23981	1993 PT ₅	23957	1993 PU ₅	23957	1993 SN ₁	22795	1993 SQ ₁	22795	1993 SR ₁	22693	1993 SS ₁	22795
1993 PV ₅	23957	1993 PW ₅	23957	1993 PX ₅	23957	1993 PY ₅	23981	1993 ST ₁	22664	1993 SV ₁	22817	1993 SA ₂	22664	1993 SB ₂	22664
1993 PZ ₅	23957	1993 PA ₆	23957	1993 PB ₆	22664	1993 PC ₆	22664	1993 SD ₂	22664	1993 SG ₂	22664	1993 SH ₂	22664	1993 SK ₂	22933
1993 PL ₆	22664	1993 PP ₆	22664	1993 PS ₆	22664	1993 PV ₆	22597	1993 SN ₂	22933	1993 SO ₂	22664	1993 SP ₂	23957	1993 ST ₂	22664
1993 PX ₆	22664	1993 PY ₆	22664	1993 PZ ₆	22664	1993 PB ₇	23322	1993 SU ₂	22795	1993 SY ₂	22664	1993 SZ ₂	22664	1993 SB ₃	22664
1993 PC ₇	23322	1993 PD ₇	23322	1993 PE ₇	22664	1993 PH ₇	22664	1993 SC ₃	22664	1993 SD ₃	22664	1993 SE ₃	22664	1993 SG ₃	22795
1993 PJ ₇	23350	1993 PK ₇	23322	1993 PL ₇	23322	1993 PM ₇	22664	1993 SK ₃	23125	1993 SL ₃	22971	1993 SM ₃	23135	1993 SN ₃	22933
1993 PN ₇	22664	1993 PO ₇	22664	1993 PP ₇	23322	1993 PS ₇	23322	1993 SO ₃	23107	1993 SP ₃	23107	1993 SQ ₃	23107	1993 SR ₃	22971
1993 PT ₇	22664	1993 PU ₇	23322	1993 PW ₇	23341	1993 PA ₈	23957	1993 SV ₃	22795	1993 SW ₃	22933	1993 SY ₃	23135	1993 SA ₄	23107
1993 QA	22572	1993 QN	22817	1993 QO	22971	1993 QP	22827	1993 SD ₄	22795	1993 SF ₄	23957	1993 SM ₄	23322	1993 SO ₄	23322
1993 QS	22817	1993 QT	22827	1993 QU	23322	1993 QW	22664	1993 SS ₄	23341	1993 ST ₄	23791	1993 SU ₄	23322	1993 SX ₄	22933
1993 QY	22664	1993 QZ	22817	1993 QA ₁	22664	1993 QB ₁	22664	1993 SD ₅	23322	1993 SE ₅	22933	1993 SF ₅	22934	1993 SG ₅	23342
1993 QD ₁	22664	1993 QE ₁	22664	1993 QF ₁	22664	1993 QJ ₁	23322	1993 SH ₅	23322	1993 SJ ₅	23768	1993 SQ ₅	23957	1993 SR ₅	23957
1993 QK ₁	22664	1993 QM ₁	22664	1993 QS ₁	23322	1993 QU ₁	22664	1993 SS ₅	23957	1993 ST ₅	23957	1993 SU ₅	23957	1993 SV ₅	23957
1993 QA ₃	22572	1993 QB ₃	22664	1993 QD ₃	23322	1993 QE ₃	23322	1993 SW ₅	23957	1993 SX ₅	23957	1993 SY ₅	23957	1993 SZ ₅	23957
1993 QF ₃	23322	1993 QH ₃	22933	1993 QJ ₃	23322	1993 QN ₃	23322	1993 SA ₆	23957	1993 SC ₆	23957	1993 SJ ₆	23957	1993 SK ₆	23957
1993 QO ₃	23322	1993 QP ₃	22933	1993 QS ₃	23322	1993 QU ₃	22933	1993 SL ₆	23957	1993 SM ₆	23957	1993 SO ₆	23957	1993 SP ₆	23957
1993 QV ₃	23322	1993 QW ₃	23322	1993 QX ₃	23322	1993 QY ₃	23322	1993 SQ ₆	23957	1993 SR ₆	23957	1993 SS ₆	23957	1993 SU ₆	23957
1993 QZ ₃	23322	1993 QC ₄	23322	1993 QD ₄	23791	1993 QE ₄	23322	1993 SX ₆	23957	1993 SZ ₆	23957	1993 SD ₇	23957	1993 SE ₇	23957
1993 QF ₄	23322	1993 QG ₄	23322	1993 QH ₄	23322	1993 QJ ₄	22933	1993 SG ₇	23957	1993 SH ₇	23957	1993 SJ ₇	23957	1993 SK ₇	23957
1993 QK ₄	23791	1993 QL ₄	23322	1993 QM ₄	23322	1993 QN ₄	23322	1993 SL ₇	23957	1993 SN ₇	23957	1993 SO ₇	23957	1993 SP ₇	23957
1993 QO ₄	23322	1993 QP ₄	23322	1993 QQ ₄	22933	1993 QR ₄	23322	1993 SQ ₇	23957	1993 SR ₇	23957	1993 SS ₇	23957	1993 ST ₇	23957
1993 QS ₄	23322	1993 QT ₄	23322	1993 QU ₄	23322	1993 QV ₄	23322	1993 SU ₇	23957	1993 SW ₇	23957	1993 SX ₇	23957	1993 SB ₈	23957
1993 QX ₄	22664	1993 QB ₅	22795	1993 QJ ₅	23957	1993 QO ₅	23957	1993 SC ₈	23957	1993 SD ₈	23957	1993 SH ₈	23957	1993 SG ₉	23957
1993 QQ ₅	23322	1993 QU ₅	23322	1993 QZ ₅	23350	1993 QJ ₆	23322	1993 SQ ₉	23957	1993 SE ₁₀	23957	1993 SN ₁₀	23957	1993 SO ₁₀	23957
1993 QP ₆	23322	1993 QS ₆	23767	1993 QT ₆	23957	1993 QX ₆	23767	1993 SQ ₁₀	23957	1993 SS ₁₀	23957	1993 ST ₁₀	23957	1993 SW ₁₀	23957
1993 QE ₇	23767	1993 QC ₇	23767	1993 QH ₇	23322	1993 QK ₇	23767	1993 SD ₁₁	23957	1993 TA	23685	1993 TB	22795	1993 TC	22795
1993 QL ₇	23784	1993 QN ₇	23767	1993 QP ₇	23767	1993 QU ₇	23767	1993 TD	22795	1993 TE	23135	1993 TF	23247	1993 TG	22795
1993 QZ ₇	23767	1993 QA ₈	23767	1993 QC ₈	23767	1993 QD ₈	23767	1993 TL	22795	1993 TM	22934	1993 TN	22971	1993 TO	22934
1993 QG ₈	23767	1993 QH ₈	23768	1993 QJ ₈	23768	1993 QK ₈	23768	1993 TP	22664	1993 TQ	23135	1993 TR	22934	1993 TS	22795
1993 QL ₈	23768	1993 QM ₈	23768	1993 QN ₈	23768	1993 QO ₈	23768	1993 TU	22795	1993 TW	22795	1993 TX	22971	1993 TZ	22693
1993 QP ₈	23322	1993 QV ₈	23768	1993 QW ₈	23768	1993 QX ₈	23768	1993 TB ₁	22934	1993 TC ₁	23108	1993 TD ₁	22934	1993 TE ₁	22795
1993 QZ ₈	23768	1993 QA ₉	23768	1993 QB ₉	23768	1993 QD ₉	23768	1993 TF ₁	22795	1993 TJ ₁	22818	1993 TK ₁	22795	1993 TL ₁	22795
1993 QE ₉	23768	1993 QF ₉	23768	1993 QG ₉	23768	1993 QH ₉	23768	1993 TM ₁	22795	1993 TN ₁	23791	1993 TO ₁	22795	1993 TQ ₁	22795

1993 TR ₁	22795	1993 TS ₁	22795	1993 TV ₁	22795	1993 TW ₁	22795	1993 TR ₂₀	23109	1993 TS ₂₀	23109	1993 TT ₂₀	23109	1993 TU ₂₀	23109
1993 TX ₁	23247	1993 TY ₁	22795	1993 TZ ₁	22795	1993 TB ₂	22795	1993 TV ₂₀	23109	1993 TW ₂₀	23109	1993 TJ ₂₁	23109	1993 TK ₂₁	23109
1993 TC ₂	22795	1993 TE ₂	22795	1993 TF ₂	22818	1993 TH ₂	22795	1993 TM ₂₁	23109	1993 TQ ₂₁	23109	1993 TJ ₂₂	23109	1993 TK ₂₂	23109
1993 TJ ₂	22795	1993 TK ₂	22795	1993 TL ₂	22819	1993 TN ₂	22795	1993 TM ₂₂	23109	1993 TS ₂₂	23109	1993 TT ₂₂	23109	1993 TU ₂₂	23109
1993 TP ₂	22664	1993 TQ ₂	23247	1993 TR ₂	22664	1993 TS ₂	22795	1993 TV ₂₂	23109	1993 TW ₂₂	23109	1993 TX ₂₂	23109	1993 TY ₂₂	23109
1993 TT ₂	22665	1993 TA ₃	23108	1993 TC ₃	23350	1993 TD ₃	23225	1993 TZ ₂₂	23109	1993 TB ₂₃	23109	1993 TC ₂₃	23109	1993 TD ₂₃	23109
1993 TE ₃	22934	1993 TF ₃	22795	1993 TG ₃	22934	1993 TH ₃	22934	1993 TE ₂₃	23109	1993 TH ₂₃	23109	1993 TJ ₂₃	23109	1993 TK ₂₃	23109
1993 TJ ₃	22971	1993 TK ₃	22795	1993 TV ₃	22934	1993 TH ₄	22934	1993 TM ₂₃	23109	1993 TN ₂₃	23109	1993 TO ₂₃	23109	1993 TP ₂₃	23109
1993 TM ₄	22934	1993 TD ₅	22795	1993 TE ₅	22971	1993 TH ₅	22795	1993 TQ ₂₃	23109	1993 TS ₂₃	23109	1993 TT ₂₃	23109	1993 TU ₂₃	23109
1993 TL ₅	22934	1993 TB ₆	22795	1993 TD ₆	22795	1993 TF ₆	22795	1993 TV ₂₃	23109	1993 TW ₂₃	23109	1993 TX ₂₃	23109	1993 TY ₂₃	23109
1993 TG ₆	22795	1993 TH ₆	22795	1993 TK ₆	22795	1993 TL ₆	22795	1993 TA ₂₄	23125	1993 TD ₂₄	23109	1993 TH ₂₄	23109	1993 TJ ₂₄	23109
1993 TM ₆	22795	1993 TN ₆	22795	1993 TO ₆	22795	1993 TY ₆	22795	1993 TK ₂₄	23109	1993 TL ₂₄	23109	1993 TM ₂₄	23109	1993 TN ₂₄	23109
1993 TD ₇	22795	1993 TN ₇	22795	1993 TO ₇	22795	1993 TS ₇	22795	1993 TO ₂₄	23109	1993 TP ₂₄	23109	1993 TS ₂₄	23109	1993 TU ₂₄	23109
1993 TT ₇	22795	1993 TC ₈	22795	1993 TW ₈	22795	1993 TP ₉	22934	1993 TV ₂₄	23109	1993 TX ₂₄	23109	1993 TY ₂₄	23125	1993 TZ ₂₄	23109
1993 TS ₉	22934	1993 TT ₉	22934	1993 TU ₉	22934	1993 TX ₉	22934	1993 TA ₂₅	23109	1993 TB ₂₅	23109	1993 TC ₂₅	23109	1993 TD ₂₅	23109
1993 TB ₁₀	22934	1993 TO ₁₀	22795	1993 TV ₁₀	22795	1993 TD ₁₁	22795	1993 TE ₂₅	23109	1993 TJ ₂₅	23109	1993 TK ₂₅	23109	1993 TL ₂₅	23109
1993 TE ₁₁	22795	1993 TF ₁₁	22795	1993 TG ₁₁	22796	1993 TH ₁₁	22796	1993 TM ₂₅	23109	1993 TN ₂₅	23109	1993 TO ₂₅	23109	1993 TP ₂₅	23109
1993 TK ₁₁	22934	1993 TS ₁₁	22934	1993 TA ₁₂	23108	1993 TG ₁₂	22796	1993 TR ₂₅	23109	1993 TS ₂₅	23109	1993 TT ₂₅	23109	1993 TU ₂₅	23109
1993 TJ ₁₂	22796	1993 TL ₁₂	22934	1993 TM ₁₂	22934	1993 TP ₁₂	22934	1993 TV ₂₅	23109	1993 TX ₂₅	23109	1993 TA ₂₆	23109	1993 TB ₂₆	23109
1993 TT ₁₂	23322	1993 TV ₁₂	23108	1993 TW ₁₂	23108	1993 TL ₁₃	23108	1993 TC ₂₆	23109	1993 TD ₂₆	23109	1993 TF ₂₆	23109	1993 TG ₂₆	23109
1993 TN ₁₃	23225	1993 TO ₁₃	23225	1993 TW ₁₃	23108	1993 TX ₁₃	23108	1993 TJ ₂₆	23109	1993 TM ₂₆	23109	1993 TN ₂₆	23109	1993 TO ₂₆	23109
1993 TZ ₁₃	23108	1993 TB ₁₄	23108	1993 TC ₁₄	23108	1993 TG ₁₄	23108	1993 TR ₂₆	23125	1993 TQ ₂₆	23109	1993 TR ₂₆	23109	1993 TS ₂₆	23109
1993 TH ₁₄	23108	1993 TJ ₁₄	23108	1993 TK ₁₄	23108	1993 TL ₁₄	23108	1993 TT ₂₆	23109	1993 TU ₂₆	23109	1993 TW ₂₆	23109	1993 TX ₂₆	23109
1993 TM ₁₄	23108	1993 TP ₁₄	23108	1993 TQ ₁₄	23108	1993 TR ₁₄	23108	1993 TY ₂₆	23109	1993 TZ ₂₆	23109	1993 TB ₂₇	23109	1993 TC ₂₇	23109
1993 TT ₁₄	23108	1993 TV ₁₄	23108	1993 TW ₁₄	23108	1993 TX ₁₄	23108	1993 TD ₂₇	23109	1993 TE ₂₇	23109	1993 TF ₂₇	23109	1993 TG ₂₇	23109
1993 TZ ₁₄	23108	1993 TA ₁₅	23108	1993 TB ₁₅	23108	1993 TC ₁₅	23108	1993 TH ₂₇	23109	1993 TJ ₂₇	23109	1993 TL ₂₇	23109	1993 TM ₂₇	23110
1993 TD ₁₅	23108	1993 TF ₁₅	23108	1993 TG ₁₅	23108	1993 TJ ₁₅	23108	1993 TO ₂₇	23110	1993 TP ₂₇	23110	1993 TQ ₂₇	23110	1993 TR ₂₇	23110
1993 TK ₁₅	23108	1993 TL ₁₅	23108	1993 TM ₁₅	23108	1993 TN ₁₅	23108	1993 TS ₂₇	23110	1993 TT ₂₇	23110	1993 TU ₂₇	23110	1993 TV ₂₇	23110
1993 TO ₁₅	23108	1993 TP ₁₅	23108	1993 TQ ₁₅	23108	1993 TR ₁₅	23108	1993 TW ₂₇	23110	1993 TX ₂₇	23110	1993 TZ ₂₇	23110	1993 TA ₂₈	23110
1993 TS ₁₅	23108	1993 TU ₁₅	23108	1993 TV ₁₅	23108	1993 TW ₁₅	23108	1993 TC ₂₈	23110	1993 TD ₂₈	23110	1993 TF ₂₈	23110	1993 TH ₂₈	23110
1993 TX ₁₅	23108	1993 TY ₁₅	23108	1993 TZ ₁₅	23108	1993 TA ₁₆	23108	1993 TJ ₂₈	23110	1993 TK ₂₈	23110	1993 TL ₂₈	23110	1993 TM ₂₈	23110
1993 TB ₁₆	23108	1993 TC ₁₆	23108	1993 TD ₁₆	23108	1993 TE ₁₆	23108	1993 TN ₂₈	23110	1993 TO ₂₈	23110	1993 TP ₂₈	23110	1993 TQ ₂₈	23110
1993 TF ₁₆	23108	1993 TG ₁₆	23108	1993 TH ₁₆	22934	1993 TJ ₁₆	23108	1993 TR ₂₈	23110	1993 TU ₂₈	23110	1993 TV ₂₈	23110	1993 TW ₂₈	23110
1993 TK ₁₆	23108	1993 TL ₁₆	23108	1993 TM ₁₆	23108	1993 TN ₁₆	23108	1993 TX ₂₈	23110	1993 TK ₂₉	23322	1993 TM ₂₉	23322	1993 TN ₂₉	23322
1993 TP ₁₆	23108	1993 TQ ₁₆	23108	1993 TR ₁₆	23108	1993 TS ₁₆	23108	1993 TO ₂₉	23494	1993 TQ ₂₉	23322	1993 TS ₂₉	23494	1993 TT ₂₉	23323
1993 TT ₁₆	23108	1993 TU ₁₆	23108	1993 TW ₁₆	23108	1993 TX ₁₆	23108	1993 TU ₂₉	23494	1993 TV ₂₉	23323	1993 TY ₂₉	23494	1993 TZ ₂₉	23323
1993 TY ₁₆	23108	1993 TZ ₁₆	23240	1993 TA ₁₇	23108	1993 TB ₁₇	23108	1993 TA ₃₀	23323	1993 TC ₃₀	23323	1993 TE ₃₀	23323	1993 TF ₃₀	23323
1993 TD ₁₇	23108	1993 TE ₁₇	23108	1993 TF ₁₇	23108	1993 TG ₁₇	23108	1993 TG ₃₀	23323	1993 TH ₃₀	23323	1993 TJ ₃₀	23323	1993 TM ₃₀	23323
1993 TH ₁₇	23108	1993 TJ ₁₇	23108	1993 TK ₁₇	23108	1993 TL ₁₇	23108	1993 TN ₃₀	23323	1993 TR ₃₀	23323	1993 TS ₃₀	23323	1993 TT ₃₀	23323
1993 TM ₁₇	23108	1993 TN ₁₇	23108	1993 TO ₁₇	23108	1993 TQ ₁₇	23108	1993 TV ₃₀	23323	1993 TY ₃₀	23323	1993 TZ ₃₀	23323	1993 TA ₃₁	23323
1993 TS ₁₇	22934	1993 TT ₁₇	23108	1993 TU ₁₇	23108	1993 TV ₁₇	23108	1993 TC ₃₁	23323	1993 TE ₃₁	23494	1993 TF ₃₁	23323	1993 TG ₃₁	23323
1993 TW ₁₇	23108	1993 TJ ₁₈	23108	1993 TA ₁₈	23108	1993 TB ₁₈	23108	1993 TJ ₃₁	23323	1993 TK ₃₁	23323	1993 TL ₃₁	23494	1993 TM ₃₁	23323
1993 TC ₁₈	23108	1993 TD ₁₈	23108	1993 TF ₁₈	23108	1993 TG ₁₈	23108	1993 TN ₃₁	23494	1993 TO ₃₁	23494	1993 TQ ₃₁	23323	1993 TR ₃₁	23323
1993 TL ₁₈	23108	1993 TN ₁₈	23108	1993 TO ₁₈	23108	1993 TP ₁₈	23108	1993 TS ₃₁	23494	1993 TT ₃₁	23323	1993 TU ₃₁	23494	1993 TX ₃₁	23494
1993 TS ₁₈	23108	1993 TW ₁₈	23108	1993 TY ₁₈	23108	1993 TZ ₁₈	23108	1993 TY ₃₁	23323	1993 TZ ₃₁	23494	1993 TB ₃₂	23323	1993 TC ₃₂	23323
1993 TB ₁₉	23108	1993 TE ₁₉	23108	1993 TG ₁₉	23108	1993 TM ₁₉	23108	1993 TD ₃₂	23323	1993 TE ₃₂	23494	1993 TG ₃₂	23494	1993 TH ₃₂	23342
1993 TN ₁₉	23108	1993 TO ₁₉	23108	1993 TP ₁₉	23108	1993 TQ ₁₉	23108	1993 TK ₃₂	23323	1993 TL ₃₂	23323	1993 TN ₃₂	23323	1993 TO ₃₂	23494
1993 TT ₁₉	23108	1993 TU ₁₉	23108	1993 TV ₁₉	23108	1993 TW ₁₉	23108	1993 TQ ₃₂	23323	1993 TR ₃₂	23323	1993 TT ₃₂	23494	1993 TU ₃₂	23323
1993 TX ₁₉	23109	1993 TY ₁₉	23109	1993 TZ ₁₉	23109	1993 TA ₂₀	23109	1993 TV ₃₂	23494	1993 TW ₃₂	23323	1993 TY ₃₂	23323	1993 TZ ₃₂	23323
1993 TC ₂₀	23109	1993 TD ₂₀	23109	1993 TF ₂₀	23109	1993 TG ₂₀	23109	1993 TB ₃₃	23323	1993 TC ₃₃	23323	1993 TD ₃₃	23323	1993 TE ₃₃	23323
1993 TH ₂₀	23109	1993 TJ ₂₀	23109	1993 TK ₂₀	23109	1993 TM ₂₀	23109	1993 TG ₃₃	23323	1993 TJ ₃₃	23323	1993 TK ₃₃	23494	1993 TL ₃₃	23323
1993 TN ₂₀	23109	1993 TO ₂₀	23109	1993 TP ₂₀	23109	1993 TQ ₂₀	23109	1993 TM ₃₃	23323	1993 TR ₃₃	23323	1993 TS ₃₃	23323	1993 TV ₃₃	23494

1993 TW ₃₃	23323	1993 TX ₃₃	23323	1993 TY ₃₃	23494	1993 TZ ₃₃	23494	1993 VR ₁	22934	1993 VS ₁	22934	1993 VT ₁	22934	1993 VU ₁	22934
1993 TA ₃₄	23323	1993 TD ₃₄	23494	1993 TE ₃₄	23323	1993 TF ₃₄	23494	1993 VV ₁	22934	1993 VW ₁	22934	1993 VX ₁	22934	1993 VY ₁	22934
1993 TJ ₃₄	23494	1993 TM ₃₄	23494	1993 TN ₃₄	23323	1993 TX ₃₄	23225	1993 VA ₂	22934	1993 VD ₂	22934	1993 VE ₂	22934	1993 VF ₂	22934
1993 TZ ₃₄	23225	1993 TD ₃₅	23225	1993 TZ ₃₅	23225	1993 TD ₃₆	23225	1993 VK ₂	23126	1993 VM ₂	22934	1993 VN ₂	22934	1993 VP ₂	23110
1993 TF ₃₆	23225	1993 TH ₃₆	23225	1993 TO ₃₆	23225	1993 TX ₃₆	23323	1993 VQ ₂	22934	1993 VR ₂	22961	1993 VT ₂	23342	1993 VX ₂	22934
1993 TY ₃₆	23768	1993 TZ ₃₆	23768	1993 TB ₃₇	23768	1993 TD ₃₇	23768	1993 VA ₃	22934	1993 VF ₃	22934	1993 VL ₃	22961	1993 VP ₃	22934
1993 TE ₃₇	23768	1993 TF ₃₇	23768	1993 TG ₃₇	23323	1993 TJ ₃₇	23768	1993 VR ₃	22962	1993 VV ₃	22934	1993 VW ₃	22934	1993 VX ₃	23126
1993 TK ₃₇	23768	1993 TN ₃₇	23768	1993 TP ₃₇	23768	1993 TQ ₃₇	23768	1993 VY ₃	22934	1993 VD ₄	22934	1993 VE ₄	22934	1993 VG ₄	22934
1993 TT ₃₇	23768	1993 TU ₃₇	23768	1993 TW ₃₇	23768	1993 TX ₃₇	23768	1993 VJ ₄	22934	1993 VO ₄	22934	1993 VS ₄	22934	1993 VV ₄	22934
1993 TY ₃₇	23768	1993 TZ ₃₇	23768	1993 TB ₃₈	23768	1993 TC ₃₈	23768	1993 VZ ₄	22962	1993 VA ₅	22934	1993 VB ₅	23529	1993 VC ₅	23350
1993 TD ₃₈	23768	1993 TE ₃₈	23768	1993 TH ₃₈	23768	1993 TJ ₃₈	23768	1993 VH ₅	23323	1993 VJ ₅	23248	1993 VU ₅	22934	1993 VV ₅	22934
1993 TK ₃₈	23768	1993 TL ₃₈	23768	1993 TM ₃₈	23768	1993 TO ₃₈	23768	1993 VB ₆	22934	1993 VC ₆	22934	1993 VD ₆	22934	1993 VM ₆	22934
1993 TP ₃₈	23768	1993 TS ₃₈	23768	1993 TT ₃₈	23768	1993 TU ₃₈	23768	1993 VG ₇	22934	1993 VU ₇	23342	1993 VV ₇	23350	1993 VB ₈	23225
1993 TV ₃₈	23768	1993 TW ₃₈	23768	1993 TX ₃₈	23768	1993 TY ₃₈	23784	1993 WA	23110	1993 WB	22934	1993 WD	23992	1993 WE	22934
1993 TZ ₃₈	23768	1993 TB ₃₉	23768	1993 TD ₃₉	23768	1993 TF ₃₉	23768	1993 WF	22934	1993 WG	22935	1993 WH	22935	1993 WQ	23135
1993 TG ₃₉	23768	1993 TJ ₃₉	23768	1993 TK ₃₉	23768	1993 TU ₃₉	23323	1993 XA	23248	1993 XB	23110	1993 XC	22935	1993 XD	23248
1993 TX ₃₉	23323	1993 TZ ₃₉	23323	1993 UA	22665	1993 UB	23350	1993 XE	23135	1993 XF	23135	1993 XG	22935	1993 XH	22935
1993 UC	23863	1993 UD	22796	1993 UE	22934	1993 UF	22934	1993 XJ	23135	1993 XK	22935	1993 XL	22935	1993 XM	22935
1993 UG	22934	1993 UH	22934	1993 UK	22796	1993 UL	22934	1993 XN	22935	1993 XO	22935	1993 XP	22963	1993 XQ	22935
1993 UN	22934	1993 US	22819	1993 UT	22934	1993 UU	23110	1993 XR	22935	1993 XS	22935	1993 XT	23529	1993 XV	23225
1993 UV	22934	1993 UX	23135	1993 UY	22934	1993 UZ	22796	1993 XW	22935	1993 XX	23135	1993 XY	23225	1993 XZ	22935
1993 UB ₁	22820	1993 UC ₁	22971	1993 UD ₁	23225	1993 UE ₁	23791	1993 XB ₁	22964	1993 XC ₁	22964	1993 XD ₁	22964	1993 XE ₁	22935
1993 UF ₁	22796	1993 UG ₁	23110	1993 UH ₁	23225	1993 UJ ₁	22796	1993 XF ₁	22935	1993 XG ₁	23248	1993 XH ₁	22935	1993 XJ ₁	22935
1993 US ₁	22796	1993 UU ₁	22796	1993 UV ₁	22796	1993 UQ ₂	23225	1993 XK ₁	23248	1993 XL ₁	23653	1993 XM ₁	22935	1993 XN ₁	23135
1993 UR ₂	23225	1993 US ₂	23225	1993 UV ₂	22796	1993 UW ₂	22960	1993 XO ₁	23225	1993 XP ₁	23248	1993 XQ ₁	22935	1993 XR ₁	22964
1993 UX ₂	22934	1993 UY ₂	22934	1993 UZ ₂	23126	1993 UA ₃	22820	1993 XS ₁	22965	1993 XU ₁	23110	1993 XN ₂	23350	1993 XQ ₂	23110
1993 UB ₃	23350	1993 UC ₃	22934	1993 UD ₃	22934	1993 UM ₃	22820	1993 XR ₂	23127	1993 XT ₂	23127	1993 XW ₂	23110	1993 YB	22935
1993 UN ₃	22820	1993 UW ₃	23768	1993 UH ₄	23768	1993 UJ ₄	23768	1993 YC	23225	1993 YD	23225	1993 YE	22965	1993 YF	23791
1993 UN ₄	23768	1993 UP ₄	23768	1993 UQ ₄	23768	1993 UV ₄	23768	1993 YG	23225	1993 YH	22965	1993 YJ	23135	1993 YK	23225
1993 UW ₄	23768	1993 UX ₄	23768	1993 UY ₄	23768	1993 UA ₅	23768	1993 YL	23225	1993 YN	22935	1993 YO	23110	1993 YR	23110
1993 UB ₅	23768	1993 UE ₅	23768	1993 UJ ₅	23768	1993 UN ₅	23768	1993 YT	23225	1993 YU	23248	1993 YN ₂	23342	1994 AB	23350
1993 UO ₅	23768	1993 UP ₅	23768	1993 UQ ₅	23768	1993 UR ₅	23768	1994 AC	23248	1994 AD	23791	1994 AE	23225	1994 AF	23225
1993 UT ₅	23768	1993 UU ₅	23768	1993 UV ₅	23768	1993 UW ₅	23768	1994 AG	23225	1994 AH	23225	1994 AJ	23791	1994 AM	23225
1993 UZ ₅	23768	1993 UA ₆	23768	1993 UB ₆	23768	1993 UC ₆	23768	1994 AN	22935	1994 AO	23350	1994 AP	23225	1994 AQ	23791
1993 UE ₆	23768	1993 UG ₆	23768	1993 UN ₆	23768	1993 UO ₆	23768	1994 AS	23225	1994 AT	23225	1994 AU	23225	1994 AW	23225
1993 UP ₆	23768	1993 UQ ₆	23768	1993 US ₆	23768	1993 UT ₆	23784	1994 AX	23225	1994 AY	23225	1994 AA ₁	22935	1994 AB ₁	23350
1993 UU ₆	23768	1993 UV ₆	23768	1993 UW ₆	23768	1993 UZ ₆	23768	1994 AC ₁	23225	1994 AD ₁	23225	1994 AE ₁	23225	1994 AG ₁	23653
1993 UA ₇	23768	1993 UB ₇	23768	1993 UD ₇	23768	1993 UE ₇	23768	1994 AH ₁	23686	1994 AJ ₁	23791	1994 AK ₁	23225	1994 AL ₁	23225
1993 UF ₇	23768	1993 UH ₇	23768	1993 UK ₇	23768	1993 UL ₇	23768	1994 AM ₁	23676	1994 AO ₁	23110	1994 AP ₁	23653	1994 AQ ₁	23242
1993 UM ₇	23769	1993 UO ₇	23769	1993 UR ₇	23769	1993 US ₇	23769	1994 AR ₁	23225	1994 AT ₁	23110	1994 AV ₁	23494	1994 AW ₁	23992
1993 UT ₇	23769	1993 UU ₇	23769	1993 UV ₇	23769	1993 UW ₇	23769	1994 AX ₁	23539	1994 AY ₁	23343	1994 AA ₂	23110	1994 AB ₂	23128
1993 UZ ₇	23769	1993 UA ₈	23769	1993 UC ₈	23769	1993 UD ₈	23769	1994 AD ₂	23110	1994 AE ₂	23686	1994 AF ₂	23686	1994 AH ₂	23992
1993 UE ₈	23769	1993 UH ₈	23769	1993 UJ ₈	23769	1993 UK ₈	23769	1994 AJ ₂	23225	1994 AM ₂	23110	1994 AN ₂	23225	1994 AO ₂	23248
1993 UM ₈	23769	1993 UN ₈	23769	1993 UO ₈	23769	1993 UP ₈	23769	1994 AP ₂	23323	1994 AQ ₂	23686	1994 AR ₂	23242	1994 AS ₂	23225
1993 UQ ₈	23769	1993 UR ₈	23769	1993 UU ₈	23769	1993 UV ₈	23769	1994 AT ₂	23242	1994 AX ₂	23128	1994 AY ₂	23110	1994 AZ ₂	23686
1993 UW ₈	23769	1993 VA	23870	1993 VB	23685	1993 VC	22960	1994 AA ₃	23225	1994 AB ₃	23248	1994 AC ₃	23242	1994 AD ₃	23323
1993 VD	22796	1993 VE	22934	1993 VG	22960	1993 VK	22961	1994 AE ₃	23110	1994 AF ₃	23653	1994 AG ₃	23686	1994 AH ₃	23653
1993 VM	22971	1993 VN	22971	1993 VO	22961	1993 VP	22934	1994 AJ ₃	23323	1994 AL ₃	23225	1994 AM ₃	23529	1994 AO ₃	23225
1993 VQ	22961	1993 VR	22934	1993 VS	22934	1993 VT	22934	1994 AA ₄	23323	1994 AT ₄	23110	1994 AX ₄	23110	1994 AZ ₄	23110
1993 VU	22934	1993 VV	22796	1993 VW	23870	1993 VX	23126	1994 AA ₅	23110	1994 AB ₅	23110	1994 AD ₅	23110	1994 AF ₅	23110
1993 VY	22934	1993 VA ₁	22796	1993 VC ₁	22934	1993 VF ₁	22934	1994 AH ₅	23110	1994 AK ₅	23110	1994 AP ₅	23110	1994 AQ ₅	23110
1993 VG ₁	22796	1993 VK ₁	22796	1993 VL ₁	23126	1993 VM ₁	23350	1994 AR ₅	23110	1994 AV ₅	23110	1994 AW ₅	23110	1994 AY ₅	23110

1994 AA ₆	23110	1994 AH ₆	23110	1994 AU ₆	23110	1994 AX ₆	23110	1994 CO ₉	23851	1994 CP ₉	23851	1994 CQ ₉	23851	1994 CR ₉	23851
1994 AY ₆	23110	1994 AA ₇	23110	1994 AC ₇	23110	1994 AE ₇	23110	1994 CS ₉	23851	1994 CT ₉	23851	1994 CV ₉	23851	1994 CX ₉	23851
1994 AG ₇	23110	1994 AH ₇	23110	1994 AM ₇	23110	1994 AP ₇	23110	1994 CZ ₉	23851	1994 CA ₁₀	23851	1994 CF ₁₀	23851	1994 CG ₁₀	23851
1994 AS ₇	23110	1994 AA ₈	23110	1994 AB ₈	23110	1994 AC ₈	23323	1994 CH ₁₀	23851	1994 CK ₁₀	23851	1994 CL ₁₀	23851	1994 CM ₁₀	23851
1994 AH ₈	23110	1994 AO ₈	23110	1994 AT ₈	23110	1994 AV ₈	23110	1994 CN ₁₀	23851	1994 CO ₁₀	23851	1994 CP ₁₀	23982	1994 CQ ₁₀	23851
1994 AY ₈	23110	1994 AA ₉	23110	1994 AB ₉	23110	1994 AC ₉	23110	1994 CT ₁₀	23851	1994 CU ₁₀	23851	1994 CX ₁₀	23851	1994 CY ₁₀	23851
1994 AD ₉	23110	1994 AE ₉	23982	1994 AM ₉	23110	1994 AN ₉	23323	1994 CZ ₁₀	23851	1994 CA ₁₁	23851	1994 CB ₁₁	23851	1994 CD ₁₁	23851
1994 AR ₉	23110	1994 AT ₉	23110	1994 AW ₉	23110	1994 AY ₉	23110	1994 CE ₁₁	23851	1994 CG ₁₁	23851	1994 CH ₁₁	23851	1994 CJ ₁₁	23864
1994 AA ₁₀	23110	1994 AB ₁₀	23110	1994 AF ₁₀	23111	1994 AG ₁₀	23111	1994 CK ₁₁	23851	1994 CL ₁₁	23851	1994 CM ₁₁	23851	1994 CO ₁₁	23851
1994 AH ₁₀	23111	1994 AK ₁₀	23111	1994 AL ₁₀	23111	1994 AN ₁₀	23111	1994 CP ₁₁	23851	1994 CT ₁₁	23852	1994 CU ₁₁	23852	1994 CV ₁₁	23852
1994 AP ₁₀	23111	1994 AQ ₁₀	23111	1994 AR ₁₀	23111	1994 AV ₁₀	23111	1994 CW ₁₁	23852	1994 CY ₁₁	23864	1994 CZ ₁₁	23982	1994 CB ₁₂	23852
1994 AX ₁₀	23111	1994 AY ₁₀	23111	1994 AZ ₁₀	23111	1994 AA ₁₁	23111	1994 CE ₁₂	23852	1994 CG ₁₂	23852	1994 CH ₁₂	23852	1994 CJ ₁₂	23852
1994 AD ₁₁	23111	1994 AE ₁₁	23350	1994 AE ₁₂	23111	1994 AF ₁₂	23111	1994 CK ₁₂	23852	1994 CL ₁₂	23852	1994 CM ₁₂	23852	1994 CN ₁₂	23852
1994 AG ₁₂	23111	1994 AT ₁₂	23111	1994 AB ₁₃	23111	1994 AC ₁₃	23529	1994 CP ₁₂	23852	1994 CS ₁₂	23852	1994 CT ₁₂	23852	1994 CV ₁₂	23852
1994 AG ₁₃	23111	1994 AT ₁₃	23111	1994 AV ₁₃	23111	1994 AX ₁₃	23111	1994 CX ₁₂	23852	1994 CB ₁₃	23769	1994 CC ₁₃	23957	1994 CD ₁₃	23957
1994 AZ ₁₃	23111	1994 AA ₁₄	23111	1994 AB ₁₄	23111	1994 AC ₁₄	23111	1994 CF ₁₃	23957	1994 CH ₁₃	23957	1994 CM ₁₃	23957	1994 CN ₁₃	23958
1994 AE ₁₄	23111	1994 AF ₁₄	23111	1994 AD ₁₅	23111	1994 AG ₁₅	23111	1994 CQ ₁₃	23958	1994 CR ₁₃	23958	1994 CS ₁₃	23958	1994 CT ₁₃	23958
1994 AK ₁₅	23539	1994 AN ₁₅	23225	1994 AK ₁₆	23653	1994 AL ₁₆	23676	1994 CV ₁₃	23958	1994 CX ₁₃	23958	1994 CZ ₁₃	23958	1994 CA ₁₄	23958
1994 BB	23225	1994 BC	23653	1994 BE	23323	1994 BF	23539	1994 CB ₁₄	23958	1994 CD ₁₄	23958	1994 CE ₁₄	23958	1994 CF ₁₄	23958
1994 BH	23686	1994 BM	23225	1994 BT	23243	1994 BW	23225	1994 CG ₁₄	23958	1994 CH ₁₄	23958	1994 CJ ₁₄	23958	1994 CK ₁₄	23958
1994 BX	23225	1994 BY	23494	1994 BA ₁	23343	1994 BC ₁	23225	1994 CL ₁₄	23958	1994 CM ₁₄	23958	1994 CN ₁₄	23958	1994 CO ₁₄	23958
1994 BD ₁	23225	1994 BF ₁	23225	1994 BH ₁	23225	1994 BE ₂	23111	1994 CQ ₁₄	23958	1994 CR ₁₄	23958	1994 CS ₁₄	23958	1994 CT ₁₄	23958
1994 BG ₂	23111	1994 BH ₂	23111	1994 BL ₂	23111	1994 BM ₂	23111	1994 CU ₁₄	23958	1994 CV ₁₄	23958	1994 CW ₁₄	23958	1994 CX ₁₄	23958
1994 BK ₃	23323	1994 BL ₃	23323	1994 BN ₃	23323	1994 BO ₃	23323	1994 CZ ₁₄	23958	1994 CD ₁₅	23958	1994 CG ₁₅	23769	1994 CJ ₁₅	23769
1994 BP ₃	23323	1994 BQ ₃	23323	1994 BR ₃	23323	1994 BA ₄	23323	1994 CL ₁₅	23769	1994 CN ₁₅	23769	1994 CP ₁₅	23769	1994 CQ ₁₅	23769
1994 BB ₄	23323	1994 BD ₄	23343	1994 BE ₄	23323	1994 BF ₄	23323	1994 CS ₁₅	23769	1994 CX ₁₅	23769	1994 CZ ₁₅	23769	1994 CA ₁₆	23769
1994 BG ₄	23323	1994 BH ₄	23323	1994 BJ ₄	23323	1994 BL ₄	23686	1994 CC ₁₆	23769	1994 CF ₁₆	23769	1994 CG ₁₆	23769	1994 CH ₁₆	23769
1994 BM ₄	23243	1994 BN ₄	23323	1994 BP ₄	23653	1994 BS ₄	23111	1994 CN ₁₆	23769	1994 CO ₁₆	23769	1994 CQ ₁₆	23769	1994 CR ₁₆	23769
1994 BW ₄	23243	1994 CA	23350	1994 CB	23992	1994 CC	23343	1994 CS ₁₆	23769	1994 CT ₁₆	23769	1994 CV ₁₆	23769	1994 CW ₁₆	23769
1994 CF	23225	1994 CH	23225	1994 CK	23539	1994 CL	23323	1994 CX ₁₆	23769	1994 CY ₁₆	23769	1994 CZ ₁₆	23769	1994 CA ₁₇	23769
1994 CM	23323	1994 CN	23323	1994 CO	23539	1994 CP	23864	1994 CB ₁₇	23769	1994 CC ₁₇	23769	1994 CD ₁₇	23769	1994 CE ₁₇	23769
1994 CQ	23791	1994 CR	23494	1994 CS	23686	1994 CV	23676	1994 CH ₁₇	23769	1994 CJ ₁₇	23769	1994 CK ₁₇	23769	1994 CL ₁₇	23769
1994 CW	23225	1994 CX	23225	1994 CY	23529	1994 CA ₁	23323	1994 CN ₁₇	23769	1994 CO ₁₇	23769	1994 CP ₁₇	23769	1994 CQ ₁₇	23769
1994 CB ₁	23243	1994 CC ₁	23226	1994 CD ₁	23529	1994 CE ₁	23323	1994 CU ₁₇	23769	1994 CV ₁₇	23769	1994 CX ₁₇	23769	1994 CZ ₁₇	23769
1994 CF ₁	23982	1994 CG ₁	23226	1994 CJ ₁	23226	1994 CK ₁	23226	1994 CA ₁₈	23769	1994 CB ₁₈	23769	1994 CC ₁₈	23785	1994 CD ₁₈	23769
1994 CM ₁	23226	1994 CN ₁	23226	1994 CO ₁	23226	1994 CQ ₁	23226	1994 CE ₁₈	23769	1994 CG ₁₈	23769	1994 CH ₁₈	23958	1994 CJ ₁₈	23958
1994 CV ₁	23226	1994 CX ₁	23539	1994 CY ₁	23323	1994 CZ ₁	23539	1994 CN ₁₈	23958	1994 CO ₁₈	23958	1994 CR ₁₈	23958	1994 DA	23323
1994 CB ₂	23686	1994 CC ₂	23323	1994 CD ₂	23323	1994 CE ₂	23791	1994 DC	23323	1994 DD	23324	1994 DF	23324	1994 DG	23494
1994 CF ₂	23653	1994 CG ₂	23653	1994 CJ ₂	23791	1994 CK ₂	23323	1994 DP	23653	1994 DS	23539	1994 EB	23494	1994 EC	23226
1994 CL ₂	23539	1994 CM ₂	23982	1994 CN ₂	23686	1994 CP ₂	23344	1994 ED	23324	1994 EE	23324	1994 EF	23530	1994 EG	23324
1994 CR ₂	23226	1994 CS ₂	23323	1994 CV ₂	23244	1994 CX ₂	23870	1994 EH	23686	1994 EJ	23324	1994 EK	23324	1994 EL	23226
1994 CZ ₂	23226	1994 CE ₃	23226	1994 CK ₃	23226	1994 CM ₃	23226	1994 EM	23324	1994 EN	23324	1994 EP	23494	1994 EQ	23494
1994 CN ₃	23226	1994 CO ₃	23226	1994 CY ₃	23226	1994 CE ₄	23323	1994 ER	23791	1994 ES	23324	1994 ET	23494	1994 EU	23324
1994 CH ₄	23226	1994 CW ₄	23226	1994 CX ₄	23226	1994 CA ₅	23226	1994 EW	23324	1994 EX	23494	1994 EY	23324	1994 EA ₁	23324
1994 CB ₅	23226	1994 CC ₅	23226	1994 CH ₅	23226	1994 CX ₅	23323	1994 EB ₁	23324	1994 EC ₁	23539	1994 EE ₁	23539	1994 EG ₁	23686
1994 CZ ₅	23226	1994 CE ₆	23226	1994 CF ₆	23323	1994 CG ₆	23323	1994 EJ ₁	23676	1994 EK ₁	23494	1994 EL ₁	23494	1994 EM ₁	23539
1994 CC ₇	23226	1994 CD ₇	23226	1994 CM ₇	23226	1994 CN ₇	23226	1994 EO ₁	23345	1994 EQ ₁	23791	1994 ES ₁	23345	1994 ET ₁	23324
1994 CA ₈	23494	1994 CD ₈	23530	1994 CN ₈	23323	1994 CO ₈	23323	1994 EZ ₁	23653	1994 EA ₂	23653	1994 EB ₂	23653	1994 EC ₂	23494
1994 CP ₈	23323	1994 CQ ₈	23323	1994 CS ₈	23344	1994 CT ₈	23323	1994 ED ₂	23494	1994 EF ₂	23676	1994 EH ₂	23494	1994 EK ₂	23539
1994 CU ₈	23323	1994 CY ₈	23323	1994 CZ ₈	23323	1994 CA ₉	23323	1994 EL ₂	23324	1994 EO ₂	23992	1994 EQ ₂	23324	1994 ES ₂	23653
1994 CB ₉	23323	1994 CD ₉	23494	1994 CH ₉	23851	1994 CJ ₉	23851	1994 EF ₃	23530	1994 EL ₃	23653	1994 EN ₃	23530	1994 EP ₃	23494
1994 CK ₉	23851	1994 CL ₉	23851	1994 CM ₉	23851	1994 CN ₉	23851	1994 EQ ₃	23791	1994 ER ₃	23494	1994 ES ₃	23494	1994 ET ₃	23324

1994 EV ₃	23653	1994 EF ₄	23324	1994 EH ₄	23324	1994 EL ₄	23324	1994 LE	23769	1994 LG	23769	1994 LH	23769	1994 LK	23992
1994 EM ₄	23324	1994 EO ₄	23324	1994 EU ₄	23324	1994 EV ₄	23324	1994 LL	23983	1994 LM	23654	1994 LN	23654	1994 LO	23654
1994 EW ₄	23324	1994 EZ ₄	23324	1994 EA ₅	23324	1994 EC ₅	23324	1994 LP	23654	1994 LR	23769	1994 LS	23983	1994 LT	23983
1994 EG ₅	23324	1994 EH ₅	23324	1994 ER ₅	23769	1994 ES ₅	23769	1994 LV	23654	1994 LW	23992	1994 LX	23865	1994 LZ	23852
1994 EY ₅	23769	1994 EC ₆	23769	1994 ED ₆	23769	1994 EE ₆	23324	1994 LA ₁	23983	1994 LC ₁	23993	1994 LD ₁	23983	1994 LF ₁	23852
1994 EG ₆	23653	1994 EH ₆	23653	1994 EJ ₆	23653	1994 EM ₆	23653	1994 LK ₁	23852	1994 LO ₁	23769	1994 LQ ₁	23770	1994 LW ₁	23770
1994 ES ₆	23769	1994 ET ₆	23653	1994 EU ₆	23653	1994 EV ₆	23958	1994 LY ₁	23770	1994 LE ₃	23770	1994 NA	23958	1994 NB	23983
1994 EX ₆	23958	1994 EY ₆	23653	1994 EZ ₆	23653	1994 EC ₇	23653	1994 NC	23993	1994 ND	23993	1994 NE	23786	1994 NF	23770
1994 ED ₇	23653	1994 EF ₇	23653	1994 EG ₇	23992	1994 EH ₇	23653	1994 NK	23983	1994 NO	23983	1994 NP	23993	1994 NS	23870
1994 EJ ₇	23653	1994 EK ₇	23653	1994 EL ₇	23494	1994 EM ₇	23324	1994 NX	23958	1994 ND ₁	23852	1994 NJ ₁	23984	1994 NL ₁	23958
1994 EV ₇	23494	1994 EW ₇	23958	1994 FA	23324	1994 FB	23653	1994 NM ₁	23958	1994 NO ₁	23984	1994 NR ₁	23958	1994 NS ₁	23958
1994 FC	23653	1994 FD	23653	1994 FE	23653	1994 FF	23494	1994 NT ₁	23958	1994 NU ₁	23958	1994 NV ₁	23958	1994 NW ₁	23984
1994 FG	23324	1994 FN	23686	1994 FP	23785	1994 FQ	23653	1994 OB	23958	1994 OC	23958	1994 OD	23958	1994 PA	23958
1994 FR	23791	1994 FS	23653	1994 FU	23494	1994 FV	23653	1994 PB	23958	1994 PC	23993	1994 PD	23958	1994 PE	23852
1994 FX	23531	1994 FY	23653	1994 FZ	23686	1994 GA	23653	1994 PF	23852	1994 PG	23852	1994 PH	23958	1994 PL	23958
1994 GB	23653	1994 GC	23494	1994 GE	23494	1994 GF	23769	1994 PM	23984	1994 PN	23958	1994 PO	23958	1994 PP	23958
1994 GH	23494	1994 GK	23494	1994 GL	23494	1994 GN	23494	1994 PS	23958	1994 PT	23958	1994 PU	23958	1994 PV	23958
1994 GP	23653	1994 GQ	23653	1994 GR	23791	1994 GS	23677	1994 PX	23984	1994 PZ	23958	1994 PA ₁	23958	1994 PB ₁	23958
1994 GT	23769	1994 GV	23494	1994 GW	23870	1994 GX	23785	1994 PC ₁	23993	1994 PF ₁	23958	1994 PH ₁	23958	1994 PJ ₁	23958
1994 GY	23992	1994 GZ	23686	1994 GA ₁	23653	1994 GB ₁	23653	1994 PK ₁	23958	1994 PL ₁	23958	1994 PM ₁	23958	1994 PN ₁	23852
1994 GC ₁	23677	1994 GD ₁	23791	1994 GF ₁	23653	1994 GG ₁	23653	1994 PO ₁	23958	1994 PP ₁	23852	1994 PQ ₁	23852	1994 PT ₁	23958
1994 GM ₁	23678	1994 GN ₁	23653	1994 GO ₁	23653	1994 GD ₂	23678	1994 PU ₁	23958	1994 PV ₁	23958	1994 QA	23958	1994 QB	23958
1994 GF ₂	23494	1994 GR ₂	23494	1994 GF ₃	23494	1994 GM ₃	23494	1994 QC	23958	1994 QD	23958	1994 QE	23958	1994 QF	23958
1994 GT ₃	23494	1994 GV ₃	23494	1994 GY ₃	23494	1994 GG ₄	23494	1994 QJ	23958	1994 QK	23958	1994 QL	23958	1994 QN	23958
1994 GL ₄	23494	1994 GP ₄	23494	1994 GR ₄	23494	1994 GT ₄	23494	1994 QQ	23958	1994 QR	23958	1994 QT	23958	1994 QV	23958
1994 GU ₄	23494	1994 GW ₄	23494	1994 GB ₅	23494	1994 GC ₅	23494	1994 QW	23958	1994 QX	23958	1994 RA	23958	1994 RB	23958
1994 GD ₅	23494	1994 GO ₅	23494	1994 GQ ₅	23494	1994 GD ₆	23494	1994 RC	23958	1994 RE	23958	1994 RG	23958	1994 RH	23958
1994 GH ₇	23494	1994 GS ₇	23494	1994 GL ₈	23494	1994 GT ₈	23653	1994 RJ	23984	1994 RP	23958	1994 RX	23984	1994 RU ₁	23958
1994 GY ₈	23653	1994 GB ₉	23791	1994 GD ₉	23678	1994 GF ₉	23686	1994 RV ₁	23958	1994 RW ₁	23958	1994 RY ₁	23958	1994 RJ ₅	23958
1994 GH ₉	23678	1994 GK ₉	23653	1994 GL ₉	23983	1994 GO ₉	23653	1994 RN ₅	23958	1994 RP ₅	23958	2020 P-L	22821	2024 P-L	22495
1994 GT ₉	23678	1994 GU ₉	23653	1994 GV ₉	23653	1994 GW ₉	23769	2025 P-L	23866	2040 P-L	22700	2041 P-L	22432	2043 P-L	23984
1994 GX ₉	23769	1994 GY ₉	23769	1994 GZ ₉	23769	1994 GB ₁₀	23769	2055 P-L	22274	2064 P-L	22700	2069 P-L	23680	2079 P-L	22965
1994 GC ₁₀	23769	1994 GD ₁₀	23769	1994 GE ₁₀	23769	1994 GF ₁₀	23769	2091 P-L	22274	2095 P-L	23791	2096 P-L	23993	2098 P-L	23993
1994 HA	23653	1994 HB	23494	1994 HC	23494	1994 HD	23983	2099 P-L	23993	2110 P-L	22700	2113 P-L	23539	2121 P-L	22432
1994 HE	23653	1994 HU	23653	1994 HV	23494	1994 HX	23653	2177 P-L	23680	2196 P-L	23993	2197 P-L	23350	2208 P-L	22432
1994 HZ	23653	1994 HA ₁	23494	1994 HS ₁	23769	1994 HT ₁	23678	2221 P-L	22274	2508 P-L	22495	2514 P-L	22700	2536 P-L	23686
1994 JA	23653	1994 JB	23653	1994 JC	23992	1994 JD	23983	2547 P-L	22700	2550 P-L	23350	2553 P-L	23993	2560 P-L	23985
1994 JF	23653	1994 JG	23791	1994 JL	23791	1994 JN	23785	2561 P-L	23686	2563 P-L	23791	2572 P-L	22693	2594 P-L	23791
1994 JO	23679	1994 JQ	23653	1994 JR	23769	1994 JS	23653	2604 P-L	23135	2630 P-L	23993	2636 P-L	23135	2642 P-L	22601
1994 JT	23653	1994 JU	23791	1994 JV	23653	1994 JW	23653	2645 P-L	23791	2649 P-L	23680	2702 P-L	22971	2712 P-L	23531
1994 JX	23992	1994 JY	23654	1994 JA ₁	23791	1994 JC ₁	23654	2740 P-L	22700	2748 P-L	23985	2765 P-L	22694	2777 P-L	22601
1994 JD ₁	23865	1994 JE ₁	23769	1994 JF ₁	23992	1994 JO ₁	23992	2799 P-L	22495	3005 P-L	22700	3040 P-L	23993	3066 P-L	22490
1994 JQ ₁	23654	1994 JR ₁	23654	1994 JS ₁	23992	1994 JA ₂	23654	3074 P-L	23686	3078 P-L	23985	3081 P-L	22821	3083 P-L	22274
1994 JD ₂	23654	1994 JH ₂	23654	1994 JP ₂	23654	1994 JV ₂	23654	3513 P-L	23686	3526 P-L	22827	3535 P-L	22495	3557 P-L	23539
1994 JY ₃	23654	1994 JZ ₃	23654	1994 JG ₄	23654	1994 JR ₄	23654	4004 P-L	23539	4014 P-L	22821	4015 P-L	23540	4017 P-L	22601
1994 JS ₄	23654	1994 JV ₄	23654	1994 JC ₅	23654	1994 JE ₅	23654	4024 P-L	23531	4025 P-L	22965	4028 P-L	22971	4031 P-L	22274
1994 JG ₅	23654	1994 JJ ₅	23654	1994 JL ₅	23654	1994 JP ₅	23654	4038 P-L	22966	4040 P-L	22694	4049 P-L	23866	4066 P-L	22274
1994 JV ₅	23654	1994 JX ₅	23654	1994 JZ ₅	23654	1994 JC ₆	23654	4068 P-L	22971	4069 P-L	22274	4075 P-L	22701	4077 P-L	23791
1994 JD ₆	23654	1994 JG ₆	23654	1994 JH ₆	23654	1994 JK ₆	23654	4081 P-L	22971	4099 P-L	23791	4116 P-L	22971	4121 P-L	22827
1994 JL ₆	23654	1994 JM ₆	23654	1994 JQ ₆	23679	1994 JT ₆	23654	4139 P-L	23985	4247 P-L	23791	4269 P-L	23686	4274 P-L	22701
1994 JU ₆	23654	1994 JL ₇	23654	1994 JC ₈	23654	1994 JL ₈	23654	4276 P-L	22971	4521 P-L	23686	4524 P-L	23870	4529 P-L	22694
1994 JO ₈	23654	1994 JU ₈	23769	1994 LA	23769	1994 LC	23769	4559 P-L	23540	4581 P-L	23791	4600 P-L	23993	4601 P-L	23540

4604 P-L	22821	4619 P-L	22966	4636 P-L	22701	4637 P-L	23866	4068 T-2	22701	4096 T-2	23867	4101 T-2	22244	4129 T-2	22701
4661 P-L	23985	4665 P-L	22274	4721 P-L	23130	4735 P-L	23680	4136 T-2	22701	4171 T-2	22701	4172 T-2	22966	4210 T-2	23988
4801 P-L	23791	4805 P-L	23791	4806 P-L	22701	4831 P-L	22432	4224 T-2	22414	4234 T-2	23792	4254 T-2	22495	4261 T-2	23989
4837 P-L	23866	4845 P-L	23245	4848 P-L	23791	4865 P-L	23993	4262 T-2	23135	4263 T-2	23681	4272 T-2	23681	4314 T-2	22432
5016 P-L	22701	5564 P-L	23130	5568 P-L	22601	6035 P-L	22495	5058 T-2	23131	5065 T-2	22701	5069 T-2	23540	5104 T-2	22701
6038 P-L	22971	6048 P-L	23540	6053 P-L	22701	6054 P-L	23985	5140 T-2	22495	5162 T-2	22701	5211 T-2	22972	5490 T-2	22274
6055 P-L	23350	6073 P-L	23135	6077 P-L	22966	6103 P-L	22966	1076 T-3	22495	1078 T-3	22702	1081 T-3	23993	1128 T-3	22432
6188 P-L	23867	6193 P-L	22701	6245 P-L	22701	6303 P-L	23867	1142 T-3	23248	1182 T-3	22702	1214 T-3	22972	2035 T-3	22432
6381 P-L	23130	6513 P-L	23786	6519 P-L	22274	6531 P-L	22701	2053 T-3	22491	2114 T-3	22822	2134 T-3	23534	2151 T-3	23681
6541 P-L	22694	6555 P-L	22601	6568 P-L	23540	6570 P-L	22966	2157 T-3	22432	2203 T-3	22702	2206 T-3	23989	2218 T-3	23867
6573 P-L	22971	6580 P-L	23985	6581 P-L	23135	6583 P-L	22827	2268 T-3	22274	2326 T-3	22972	2369 T-3	23989	2370 T-3	23686
6584 P-L	23986	6591 P-L	22274	6600 P-L	22701	6602 P-L	22701	2390 T-3	23540	2400 T-3	23351	2416 T-3	22702	2480 T-3	23346
6605 P-L	23986	6608 P-L	22432	6614 P-L	23532	6615 P-L	22827	2672 T-3	22432	3104 T-3	22601	3105 T-3	22274	3108 T-3	22414
6625 P-L	23532	6628 P-L	23680	6634 P-L	23130	6643 P-L	22701	3134 T-3	22972	3137 T-3	22828	3149 T-3	23786	3166 T-3	22702
6670 P-L	23791	6673 P-L	23680	6745 P-L	23130	6833 P-L	23532	3224 T-3	23135	3358 T-3	23989	3395 T-3	22601	3398 T-3	22828
6840 P-L	23986	7063 P-L	23135	7081 P-L	22822	7569 P-L	23986	3422 T-3	22601	3476 T-3	23346	3535 T-3	23989	4017 T-3	23786
7590 P-L	22701	7607 P-L	22274	7609 P-L	23986	7622 P-L	23686	4019 T-3	23792	4032 T-3	22495	4071 T-3	22274	4086 T-3	22972
7633 P-L	22495	7643 P-L	22274	9002 P-L	23680	9058 P-L	22972	4092 T-3	23540	4094 T-3	23540	4179 T-3	23792	4190 T-3	23681
9086 P-L	22274	9508 P-L	22432	9511 P-L	22827	9512 P-L	23350	4197 T-3	23989	4203 T-3	22702	4304 T-3	23534	4313 T-3	23989
9521 P-L	23540	9530 P-L	23986	9535 P-L	23248	9538 P-L	23540	4317 T-3	23351	4327 T-3	22702	4343 T-3	22702	4354 T-3	22274
9570 P-L	23540	9602 P-L	22274	1024 T-1	23986	1047 T-1	22827	4369 T-3	23351	4391 T-3	23686	5119 T-3	23993	5122 T-3	23681
1089 T-1	22701	1101 T-1	23533	1104 T-1	22701	1171 T-1	23791	5170 T-3	23792	5174 T-3	23686	5175 T-3	22702	5191 T-3	22432
1174 T-1	23986	1175 T-1	23791	1181 T-1	22701	1217 T-1	22701	5192 T-3	22972	5193 T-3	22702				
1220 T-1	22274	1240 T-1	23870	1287 T-1	23135	1293 T-1	23533								
1295 T-1	22827	2151 T-1	22274	2198 T-1	23867	2202 T-1	23533								
2205 T-1	23987	2218 T-1	23540	2245 T-1	23993	2246 T-1	23686								
2258 T-1	23540	2259 T-1	23540	2291 T-1	23791	2312 T-1	22490								
3036 T-1	22495	3057 T-1	22827	3077 T-1	23533	3196 T-1	23791								
3252 T-1	22701	3266 T-1	22432	3271 T-1	22827	3287 T-1	23987								
3300 T-1	22701	3308 T-1	23533	3332 T-1	23791	4050 T-1	23993								
4114 T-1	22432	4150 T-1	23791	4192 T-1	22432	4193 T-1	22432								
4217 T-1	23987	4277 T-1	23351	4283 T-1	22972	4298 T-1	23540								
4320 T-1	23130	4321 T-1	23993	4333 T-1	23533	4355 T-1	23987								
4393 T-1	23540	1001 T-2	23351	1010 T-2	22495	1021 T-2	23681								
1041 T-2	22274	1042 T-2	23533	1050 T-2	22432	1053 T-2	23791								
1056 T-2	23131	1063 T-2	22827	1070 T-2	22274	1101 T-2	23987								
1136 T-2	22972	1139 T-2	22701	1153 T-2	23534	1169 T-2	22701								
1173 T-2	22701	1176 T-2	23987	1179 T-2	22432	1210 T-2	22701								
1211 T-2	23867	1212 T-2	23993	1218 T-2	22432	1251 T-2	22701								
1265 T-2	22695	1269 T-2	23135	1279 T-2	22972	1296 T-2	22597								
1298 T-2	23131	1306 T-2	23792	1310 T-2	23792	1317 T-2	22432								
1360 T-2	22972	1494 T-2	23867	2040 T-2	22432	2078 T-2	23681								
2080 T-2	23346	2083 T-2	22701	2084 T-2	23346	2104 T-2	22966								
2116 T-2	23987	2137 T-2	22701	2144 T-2	23792	2145 T-2	22274								
2155 T-2	23540	2168 T-2	22432	2189 T-2	22597	2222 T-2	22828								
2224 T-2	22432	2225 T-2	22701	2232 T-2	23686	2237 T-2	23988								
2249 T-2	23988	2257 T-2	22701	2280 T-2	23135	2304 T-2	22701								
2319 T-2	23540	2908 T-2	23351	3020 T-2	22972	3024 T-2	23988								
3067 T-2	23792	3070 T-2	23792	3076 T-2	22701	3145 T-2	23792								
3146 T-2	23534	3155 T-2	23534	3176 T-2	23870	3181 T-2	22972								
3187 T-2	23786	3189 T-2	22701	3201 T-2	23248	3232 T-2	23988								
3262 T-2	23870	3289 T-2	22701	3297 T-2	23792	3327 T-2	23686								

OBSERVATIONS OF COMETS

Observations are published here for the following observatory codes:

- 046 Kleť. 0.57-m reflector + CCD. Observers J. Tichá, Z. Moravec, M. Tichý and Z. Vávrová.
- 113 Volkssternwarte Drebach, Schönbrunn. 0.14-m $f/3.5$ camera + CCD. Observer J. Kandler. $\lambda = 13^{\circ}0166$, $\rho \cos \phi' = 0.63502$, $\rho \sin \phi' = +0.77001$.
- 360 Kuma Kogen. 0.60-m $f/6.0$ Ritchey-Chrétien + CCD. Observer A. Nakamura.
- 372 Geisei. 0.60-m $f/3.5$ reflector. Observer T. Seki.
- 410 Sengamine. 0.20-m $f/4.8$ reflector + CCD and 0.20-m $f/6.0$ reflector + CCD. Observers M. Hotta and K. Ito.
- 493 Calar Alto. 2.2-m reflector + CCD. Observer K. Birkle.
- 540 Linz. 0.3-m $f/5.2$ Schmidt-Cassegrain + CCD. Observers E. Meyer, E. Obermair, H. Raab, E. Kolmhofer and A. Tetkovic.
- 557 Ondřejov. 0.18-m $f/5.6$ Maksutov + CCD. Observers P. Pravec and L. Sarounova. Measured by P. Pravec.
- 596 Colleverde di Guidonia. 0.31-m $f/2.8$ Baker Schmidt + CCD. Observers V. S. Casulli and S. Valentini.
- 605 Marl. 0.2-m $f/10$ Schmidt-Cassegrain + CCD. Observer E. Jung.
- 657 Climenhaga Observatory, Victoria. 0.5-m reflector + CCD. Observer D. D. Balam.
- 675 Palomar. 0.46-m Schmidt. Observers J. Alu, B. Arthur, E. Helin, H. E. Holt, K. Lawrence and C. Smallwood. Measured by K. Lawrence.
- 691 Kitt Peak. 0.91-m Spacewatch telescope. Observer J. V. Scotti.
- 693 University of Arizona, Catalina Station. 1.5-m reflector + CCD. Observer S. M. Larson. Measured by C. Hergenrother.
- 801 Oak Ridge. 1.5-m reflector + CCD. Observer R. E. McCrosky.

1994 09 25.43142	17 25 41.46	−32 03 10.2	13.2 T	360
1994 09 25.43420	17 25 41.96	−32 03 12.1		360

1001 00 20:10:120 17 20 11:00 92 00 12:1 500

Object	Date	UT	α_{2000}	δ_{2000}	Mag.	N Obs.		Periodic Comet Tempel 2	Periodic Comet Tempel 2	Periodic Comet Tempel 2	Periodic Comet Tempel 2	Periodic Comet Tempel 2
							/1993g	1994 08 03.98057	01 36 27.77	+18 55 56.6	15.7 T	605
							/1993g	1994 08 03.98791	01 36 28.41	+18 56 05.4	15.8 T	605
							/1993g	1994 08 03.99355	01 36 28.75	+18 56 09.8	15.8 T	605
/1988 XIV	1994 10 02.73663	04 44 09.65	+06 36 00.8	16.6 T	360		/1993g	1994 08 03.99926	01 36 29.14	+18 56 12.1	15.5 T	605
/1988 XIV	1994 10 02.76372	04 44 09.51	+06 35 55.2	18.1 N	360		/1993g	1994 08 06.96456	01 39 55.31	+19 31 30.1	15.6 T	605
/1988 XIV	1994 10 05.10779	04 43 54.95	+06 27 06.3	17.2 T	046		/1993g	1994 08 06.97194	01 39 56.20	+19 31 36.9	15.9 T	605
/1988 XIV	1994 10 05.10902	04 43 54.89	+06 27 05.8		046		/1993g	1994 08 06.97858	01 39 56.51	+19 31 43.7	15.7 T	605
/1988 XIV	1994 10 05.11024	04 43 54.91	+06 27 05.1		046		/1993g	1994 08 09.96975	01 43 11.91	+20 06 10.1	15.9 T	605
/1988 XIV	1994 10 07.05943	04 43 34.65	+06 19 43.9	17.6 T	046		/1993g	1994 08 09.99323	01 43 13.20	+20 06 24.6	16.0 T	605
/1988 XIV	1994 10 07.06661	04 43 34.52	+06 19 42.1		046		/1993g	1994 08 14.94228	01 48 06.99	+21 00 30.0	15.2 T	605
/1988 XIV	1994 10 07.07560	04 43 34.43	+06 19 39.5		046		/1993g	1994 08 14.94573	01 48 06.96	+21 00 29.7	15.4 T	605
							/1993g	1994 08 14.95450	01 48 07.44	+21 00 37.9	15.2 T	605
							/1993g	1994 08 15.93826	01 49 01.26	+21 10 54.8	15.8 T	605
/1989 XV	1994 10 02.82847	09 08 46.83	+17 22 13.2	14.6 T	360		/1993g	1994 08 15.94730	01 49 01.69	+21 10 58.8	15.7 T	605
/1989 XV	1994 10 02.83194	09 08 46.94	+17 22 12.6		360		/1993g	1994 09 02.35169	02 00 06.41	+23 45 54.3		816
/1989 XV	1994 10 05.14095	09 10 02.06	+17 15 37.4	15.3 T	046		/1993g	1994 09 02.35802	02 00 06.48	+23 45 56.6		816
/1989 XV	1994 10 05.14375	09 10 02.15	+17 15 37.4		046		/1993g	1994 09 05.21693	02 00 59.13	+24 05 44.0	14.4 T	816
/1989 XV	1994 10 05.14468	09 10 02.19	+17 15 36.5		046		/1993g	1994 09 05.22264	02 00 59.21	+24 05 46.4	14.2 T	816
/1989 XV	1994 10 07.11302	09 11 04.52	+17 10 05.4	14.5 T	046		/1993g	1994 09 05.22535	02 00 59.23	+24 05 46.7	14.5 T	816
/1989 XV	1994 10 07.11442	09 11 04.57	+17 10 05.1		046		/1993g	1994 09 05.88971	02 01 08.98	+24 10 07.2	14.9 T	605
/1989 XV	1994 10 07.11826	09 11 04.68	+17 10 04.5		046		/1993g	1994 09 05.89648	02 01 09.05	+24 10 08.9	15.0 T	605
							/1993g	1994 09 05.90741	02 01 09.24	+24 10 13.2	14.9 T	605
							/1993g	1994 09 05.91068	02 01 09.23	+24 10 14.5	15.0 T	605
/1992 XVIII	1992 08 04.84039	12 09 17.78	+03 47 49.9		493		/1993g	1994 09 12.91675	02 01 54.43	+24 49 43.9	14.9 T	605
/1992 XVIII	1992 08 04.84777	12 09 19.83	+03 47 46.2		493		/1993g	1994 09 12.92264	02 01 54.42	+24 49 46.1	14.8 T	605
/1992 XVIII	1992 08 04.85241	12 09 21.10	+03 47 43.8		493		/1993g	1994 09 13.91187	02 01 52.36	+24 54 22.5	14.8 T	605
/1992 XVIII	1992 09 23.81460	15 51 10.60	-03 39 09.8		493		/1993g	1994 09 13.91751	02 01 52.45	+24 54 23.3	14.8 T	605
/1992 XVIII	1993 09 14.86043	23 59 43.60	+16 16 30.8		493		/1993g	1994 10 01.61098	01 55 58.65	+25 32 14.9	13.6 T	410
/1992 XVIII	1993 09 15.83633	23 58 54.69	+16 09 39.4		493		/1993g	1994 10 01.61896	01 55 58.35	+25 32 14.7		410
/1992 XVIII	1993 09 15.85402	23 58 53.82	+16 09 32.6		493		/1993g	1994 10 02.71458	01 55 18.88	+25 31 40.3	14.1 T	360
/1992 XVIII	1993 09 16.17700	23 58 37.42	+16 07 15.8		493		/1993g	1994 10 02.71736	01 55 18.77	+25 31 40.2		360
/1992 XVIII	1993 09 16.83843	23 58 04.50	+16 02 30.1		493		/1993g	1994 10 04.91187	01 53 55.86	+25 29 24.5	15.2 T	605
/1992 XVIII	1993 09 16.86862	23 58 02.97	+16 02 17.3		493		/1993g	1994 10 04.91689	01 53 55.59	+25 29 24.4	15.2 T	605
/1992 XVIII	1993 09 17.17262	23 57 47.46	+16 00 05.3		493		/1993g	1994 10 04.92915	01 53 55.16	+25 29 23.6	15.2 T	605
							/1993g	1994 10 04.94104	01 53 54.65	+25 29 22.4	14.8 T	605
/1992h	1994 10 01.63459	02 11 51.09	+36 23 16.8	17.0 T	410		/1993g	1994 10 04.94726	01 53 54.35	+25 29 21.6	14.9 T	605
/1992h	1994 10 01.63887	02 11 50.80	+36 23 14.6		410		/1993g	1994 10 05.02968	01 53 50.87	+25 29 15.1	13.6 T	046
							/1993g	1994 10 05.03215	01 53 50.77	+25 29 15.2		046
/1993a	1994 05 20.78351	23 10 39.32	-10 47 06.1		372		/1993g	1994 10 05.03321	01 53 50.71	+25 29 14.9		046
/1993a	1994 07 05.74583	22 38 55.69	-31 54 06.4		372		/1993g	1994 10 07.00532	01 52 30.95	+25 26 01.5	13.8 T	046
/1993a	1994 07 05.75608	22 38 54.57	-31 54 27.8		372		/1993g	1994 10 07.00843	01 52 30.81	+25 26 00.9		046
/1993a	1994 07 07.71563	22 35 30.43	-33 02 32.0		372		/1993g	1994 10 07.01052	01 52 30.77	+25 26 00.7		046
/1993a	1994 07 07.72222	22 35 29.78	-33 02 45.0		372							
/1993a	1994 07 10.74965	22 29 48.93	-34 47 56.9		372							
							/1993l	1994 09 25.49618	22 12 47.53	-23 16 39.5	17.2 T	360
							/1993l	1994 09 25.50799	22 12 47.25	-23 16 39.7		360
/1993c	1994 05 08.91262	12 59 05.20	+09 33 04.2		113							
/1993c	1994 05 23.89699	12 57 45.02	+05 22 23.0	12.8 T	605		/1993n	1994 09 28.29540	00 31 37.54	+02 07 17.0	19.2 T	691
/1993c	1994 05 23.90006	12 57 45.29	+05 22 21.7	12.8 T	605		/1993n	1994 09 28.31879	00 31 36.70	+02 07 07.2	17.1 T	691

/1993n	1994 09 28.34218	00 31 35.90	+02 06 57.3	17.2 T	691	/1994f	1994 08 03.86914	11 33 14.17	+33 55 58.2	13.1 T	605
/1993n	1994 10 02.54826	00 29 14.21	+01 37 52.4	17.7 T	360	/1994f	1994 08 03.87369	11 33 14.22	+33 55 52.8	13.3 T	605
/1993n	1994 10 02.55278	00 29 14.06	+01 37 50.4		360	/1994f	1994 08 04.89618	11 33 13.55	+33 38 11.4	13.5 T	605
	Comet McNaught-Russell (1993v)					/1994f	1994 08 04.89912	11 33 13.46	+33 38 08.2	13.5 T	605
/1993v	1994 05 06.54028	08 59 14.28	+75 32 12.4		372	Periodic Comet Harrington					
/1993v	1994 05 23.87520	12 37 12.46	+74 20 41.9	14.1 T	605	/1994g	1994 06 13.42400	23 14 55.06	-07 23 11.2	21.9 T	C 691
/1993v	1994 05 23.88279	12 37 15.63	+74 20 32.2	13.9 T	605	/1994g	1994 06 13.43243	23 14 56.25	-07 23 07.8	22.4 T	C 691
/1993v	1994 05 30.03976	13 20 01.40	+71 56 13.7	14.3 T	605	/1994g	1994 09 10.44561	02 12 32.29	-05 47 14.9	14.1 T	A 693
/1993v	1994 05 30.04332	13 20 02.82	+71 56 07.2	14.3 T	605	/1994g	1994 09 10.44911	02 12 32.44	-05 47 16.1		A 693
/1993v	1994 05 31.88515	13 30 11.84	+71 09 09.3	14.8 T	605	/1994g	1994 09 10.45187	02 12 32.57	-05 47 17.2		A 693
/1993v	1994 05 31.89051	13 30 12.88	+71 09 02.4	14.6 T	605	/1994g	1994 10 01.69151	02 20 35.21	-07 55 08.8	13.7 T	A 410
/1993v	1994 06 11.93568	14 14 51.73	+66 10 12.0	14.8 T	605	/1994g	1994 10 01.69997	02 20 35.13	-07 55 11.3		A 410
/1993v	1994 06 11.93816	14 14 52.42	+66 10 08.5	14.7 T	605	/1994g	1994 10 02.72292	02 20 30.48	-07 59 56.7	12.7 T	A 360
/1993v	1994 06 15.62813	14 25 44.61	+64 27 07.1		372	/1994g	1994 10 02.72569	02 20 30.44	-07 59 57.5		A 360
/1993v	1994 07 01.91902	15 02 13.65	+56 49 56.7	15.7 T	605	/1994g	1994 10 04.24354	02 20 19.57	-08 06 35.4		A 801
/1993v	1994 07 01.92354	15 02 14.26	+56 49 46.4	15.8 T	605	/1994g	1994 10 04.27815	02 20 19.24	-08 06 44.6		A 801
/1993v	1994 07 05.61701	15 08 56.59	+55 06 58.0		372	/1994g	1994 10 04.40221	02 18 54.02	-08 16 56.2	22.5 N	B 691
/1993v	1994 07 05.62743	15 08 57.44	+55 06 41.9		372	/1994g	1994 10 04.40221	02 18 53.59	-08 17 01.1	21.5 N	C 691
	Comet Mueller (1994c)					/1994g	1994 10 04.40318	02 20 18.07	-08 07 14.8	17.3 N	A 691
/1994c	1994 04 18.96743	12 59 14.59	+08 54 11.7	16.5 T	605	/1994g	1994 10 04.41171	02 18 53.61	-08 17 04.1	20.2 T	C 691
/1994c	1994 04 18.97762	12 59 12.04	+08 54 09.1	16.3 T	605	/1994g	1994 10 04.41172	02 18 53.91	-08 16 58.2	21.3 T	B 691
	Comet Takamizawa-Levy (1994f)					/1994g	1994 10 04.41269	02 20 17.93	-08 07 16.9	12.8 T	A 691
/1994f	1994 05 19.74028	20 07 33.89	+50 47 40.0		372	/1994g	1994 10 04.42129	02 18 53.43	-08 17 06.6		C 691
/1994f	1994 05 29.97021	17 52 01.80	+67 47 41.4	11.3 T	605	/1994g	1994 10 04.42130	02 18 53.88	-08 17 01.3		B 691
/1994f	1994 05 29.97486	17 51 55.82	+67 47 57.9	11.3 T	605	/1994g	1994 10 04.42226	02 20 17.78	-08 07 19.5		A 691
/1994f	1994 05 31.96657	17 07 08.31	+69 26 32.5	10.6 T	605	/1994g	1994 10 04.46571	02 18 53.16	-08 17 11.3		B 691
/1994f	1994 05 31.97045	17 07 02.77	+69 26 40.3	10.8 T	605	/1994g	1994 10 04.46571	02 18 52.71	-08 17 19.2		C 691
/1994f	1994 06 10.89623	13 44 35.59	+66 20 05.8	13.1 T	605	/1994g	1994 10 04.46669	02 20 17.21	-08 07 30.2		A 691
/1994f	1994 06 11.89457	13 32 08.11	+65 25 37.6	12.3 T	605	/1994g	1994 10 05.05687	02 20 11.79	-08 09 56.1	12.5 T	A 046
/1994f	1994 06 11.89747	13 32 05.78	+65 25 29.0	12.2 T	605	/1994g	1994 10 05.05777	02 20 11.78	-08 09 56.4		A 046
/1994f	1994 06 11.90968	13 31 57.34	+65 24 47.2	12.4 T	605	/1994g	1994 10 05.05865	02 20 11.77	-08 09 56.6		A 046
/1994f	1994 06 11.91326	13 31 54.65	+65 24 35.7	12.4 T	605	/1994g	1994 10 05.39901	02 18 44.25	-08 20 52.8	21.2 T	B 691
/1994f	1994 07 01.89735	11 52 52.23	+48 26 51.0	12.9 T	605	/1994g	1994 10 05.39901	02 18 43.44	-08 21 02.5	22.3 N	C 691
/1994f	1994 07 01.90271	11 52 51.73	+48 26 37.6	12.8 T	605	/1994g	1994 10 05.39998	02 20 08.13	-08 11 15.6	17.5 N	A 691
/1994f	1994 07 01.90862	11 52 51.02	+48 26 25.4	12.8 T	605	/1994g	1994 10 05.40723	02 18 44.07	-08 20 56.8		B 691
/1994f	1994 07 02.90458	11 51 10.58	+47 47 33.4	13.0 T	605	/1994g	1994 10 05.40723	02 18 43.32	-08 21 04.8	20.0 T	C 691
/1994f	1994 07 02.90950	11 51 10.15	+47 47 21.5	12.7 T	605	/1994g	1994 10 05.40820	02 20 07.99	-08 11 17.4	12.8 T	A 691
/1994f	1994 07 02.91299	11 51 09.67	+47 47 14.5	12.7 T	605	/1994g	1994 10 07.01465	02 19 48.27	-08 17 14.1		A 557
/1994f	1994 07 05.60868	11 47 13.81	+46 07 28.7		372	/1994g	1994 10 07.04087	02 19 47.79	-08 17 19.6	12.8 T	A 046
/1994f	1994 07 07.93867	11 44 27.26	+44 47 06.3	13.2 T	605	/1994g	1994 10 07.04293	02 19 47.75	-08 17 20.1		A 557
/1994f	1994 07 09.90404	11 42 28.45	+43 43 14.4	13.0 T	605	/1994g	1994 10 07.04333	02 19 47.75	-08 17 20.1		A 046
/1994f	1994 07 09.91191	11 42 27.60	+43 42 59.6	13.1 T	605	/1994g	1994 10 07.04429	02 19 47.73	-08 17 20.1		A 046
/1994f	1994 07 09.91583	11 42 27.61	+43 42 54.6	12.8 T	605	/1994g	1994 10 07.04631	02 19 47.71	-08 17 20.9		A 557
/1994f	1994 07 10.89280	11 41 34.92	+43 12 25.8	12.9 T	605	/1994g	1994 10 07.25318	02 19 44.76	-08 18 02.3		A 801
/1994f	1994 07 10.89721	11 41 34.77	+43 12 17.2	12.9 T	605	/1994g	1994 10 07.28873	02 19 44.21	-08 18 09.1		A 801
/1994f	1994 07 11.90288	11 40 44.68	+42 41 46.1	13.0 T	605	/1994g	1994 10 08.99139	02 19 17.69	-08 23 31.2		A 557
/1994f	1994 07 11.90840	11 40 44.20	+42 41 35.9	13.1 T	605	/1994g	1994 10 08.99957	02 19 17.52	-08 23 32.6		A 557
/1994f	1994 07 12.53507	11 40 14.60	+42 22 58.7		372	/1994g	1994 10 09.00676	02 19 17.37	-08 23 34.1		A 557
/1994f	1994 07 12.89653	11 39 58.89	+42 12 22.4	13.2 T	605	/1994g	1994 10 09.02215	02 19 17.05	-08 23 36.5		A 557
/1994f	1994 07 12.90105	11 39 58.66	+42 12 14.6	13.1 T	605	/1994g	1994 10 10.94270	02 18 41.70	-08 28 34.7		A 557
/1994f	1994 07 29.90657	11 33 34.96	+35 27 29.5	14.0 T	605	/1994g	1994 10 10.98119	02 18 40.80	-08 28 40.3		A 557

Periodic Comet Maury

/1994h	1994 10 02.53611	00 20 09.98	−01 10 48.4	17.7 T	360
/1994h	1994 10 02.54045	00 20 09.84	−01 10 51.1		360

Comet Takamizawa (1994i)

/1994i	1994 05 19.69132	15 44 59.15	−07 51 23.5		372
/1994i	1994 05 30.00039	14 32 15.26	−10 14 17.2	12.3 T	605
/1994i	1994 05 30.00384	14 32 13.88	−10 14 19.4	12.3 T	605
/1994i	1994 05 31.94595	14 19 30.01	−10 35 40.3	13.4 T	605
/1994i	1994 05 31.94975	14 19 28.55	−10 35 42.1		605
/1994i	1994 05 31.95370	14 19 27.09	−10 35 47.6		605
/1994i	1994 07 04.49931	12 13 09.58	−13 51 33.9		372
/1994i	1994 07 04.50694	12 13 08.79	−13 51 35.8		372

Periodic Comet Brooks 2

/1994j	1994 08 15.04141	02 27 57.35	+13 14 28.0	15.6 T	605
/1994j	1994 08 15.04657	02 27 57.72	+13 14 29.8	15.7 T	605
/1994j	1994 08 15.05188	02 27 58.22	+13 14 27.9	15.8 T	605
/1994j	1994 08 15.05552	02 27 58.66	+13 14 30.2	15.7 T	605
/1994j	1994 09 05.94252	02 59 24.47	+13 48 08.9	16.9 T	605
/1994j	1994 09 05.94935	02 59 24.90	+13 48 10.4	17.1 T	605
/1994j	1994 09 05.95844	02 59 25.74	+13 48 09.2	16.6 T	605
/1994j	1994 09 05.96692	02 59 26.32	+13 48 10.9	17.0 T	605
/1994j	1994 09 13.94233	03 07 49.65	+13 37 23.2	16.3 T	605
/1994j	1994 09 13.94861	03 07 50.17	+13 37 24.0	16.2 T	605
/1994j	1994 09 13.95409	03 07 50.46	+13 37 24.2	16.2 T	605
/1994j	1994 10 01.71045	03 18 56.60	+12 32 20.3	15.2 T	410
/1994j	1994 10 01.71623	03 18 56.65	+12 32 18.2		410
/1994j	1994 10 04.32044	03 19 36.89	+12 18 35.7		801
/1994j	1994 10 04.34503	03 19 37.03	+12 18 27.8		801
/1994j	1994 10 04.98675	03 19 44.97	+12 14 56.1	15.5 T	605
/1994j	1994 10 04.99315	03 19 45.17	+12 14 54.9	15.6 T	605
/1994j	1994 10 07.30794	03 20 04.69	+12 01 51.8		801
/1994j	1994 10 07.33896	03 20 04.78	+12 01 40.9		801

Periodic Comet Shoemaker 4

/1994k	1994 06 15.63889	17 00 33.32	−12 47 23.9		372
/1994k	1994 06 15.65260	17 00 32.71	−12 47 30.1		372
/1994k	1994 07 05.57986	16 47 29.86	−15 24 45.3		372
/1994k	1994 07 05.59271	16 47 29.35	−15 24 52.2		372

Periodic Comet Borrelly

/1994l	1994 10 01.75229	06 21 22.23	+01 11 02.5	12.0 T	410
/1994l	1994 10 01.75449	06 21 22.55	+01 11 05.0		410
/1994l	1994 10 03.38250	06 25 34.10	+01 43 19.7		816
/1994l	1994 10 03.38740	06 25 34.86	+01 43 26.0		816
/1994l	1994 10 05.11817	06 30 02.83	+02 18 53.1	10.5 T	046
/1994l	1994 10 05.11920	06 30 02.98	+02 18 54.3		046
/1994l	1994 10 05.12008	06 30 03.11	+02 18 55.3		046
/1994l	1994 10 07.09920	06 35 09.78	+03 01 00.6	10.3 T	046
/1994l	1994 10 07.10009	06 35 09.91	+03 01 01.8		046
/1994l	1994 10 07.10184	06 35 10.19	+03 01 04.1		046

Comet Nakamura-Nishimura-Machholz (1994m)

/1994m	1994 07 10.01768	03 46 08.06	+70 06 40.1	13.5 T	605
/1994m	1994 07 10.02374	03 46 06.95	+70 06 40.4	13.5 T	605
/1994m	1994 07 10.02722	03 46 06.88	+70 06 39.7	13.4 T	605
/1994m	1994 07 10.03280	03 46 05.82	+70 06 38.5	13.4 T	605
/1994m	1994 07 10.03613	03 46 05.43	+70 06 38.4	13.4 T	605
/1994m	1994 07 11.00932	03 43 21.64	+70 04 53.2	13.4 T	605
/1994m	1994 07 11.01314	03 43 21.20	+70 04 52.6	13.4 T	605
/1994m	1994 07 11.01817	03 43 20.16	+70 04 51.3	13.4 T	605
/1994m	1994 07 11.99383	03 40 30.35	+70 02 57.5	13.0 T	605
/1994m	1994 07 11.99962	03 40 29.24	+70 02 57.6	13.1 T	605
/1994m	1994 07 12.98737	03 37 31.34	+70 00 52.9	13.1 T	605
/1994m	1994 07 12.99375	03 37 30.20	+70 00 51.1	13.1 T	605
/1994m	1994 07 15.76250	03 28 35.94	+69 54 03.4		372
/1994m	1994 08 02.92358	01 59 54.89	+67 21 13.7	12.9 T	605
/1994m	1994 08 02.93547	01 59 49.88	+67 20 59.8	12.8 T	605
/1994m	1994 08 03.95786	01 52 50.52	+66 59 59.9	12.2 T	605
/1994m	1994 08 03.96389	01 52 48.27	+66 59 52.1	12.3 T	605
/1994m	1994 08 04.93699	01 45 55.38	+66 37 29.3	12.4 T	605
/1994m	1994 08 04.94591	01 45 51.55	+66 37 15.4	12.3 T	605
/1994m	1994 08 06.93687	01 31 09.48	+65 43 11.3	12.3 T	605
/1994m	1994 08 06.94137	01 31 07.27	+65 43 02.4	12.4 T	605
/1994m	1994 08 06.94650	01 31 05.15	+65 42 53.8	12.6 T	605
/1994m	1994 08 07.92898	01 23 31.85	+65 11 27.4	12.6 T	605
/1994m	1994 08 07.94024	01 23 26.47	+65 11 04.1	12.4 T	605
/1994m	1994 08 09.91481	01 07 42.86	+63 56 31.0	12.3 T	605
/1994m	1994 08 09.92178	01 07 39.55	+63 56 12.7	12.5 T	605
/1994m	1994 08 14.91537	00 25 38.28	+59 18 46.8	12.6 T	605
/1994m	1994 08 14.92237	00 25 34.97	+59 18 14.5	12.1 T	605
/1994m	1994 08 15.90096	00 17 10.00	+58 04 42.2	12.5 T	605
/1994m	1994 08 15.90887	00 17 05.86	+58 04 05.5	12.5 T	605
/1994m	1994 08 15.91855	00 17 00.84	+58 03 19.3	12.7 T	605
/1994m	1994 08 25.92633	22 56 01.59	+36 32 31.0	11.9 T	605
/1994m	1994 08 25.93025	22 56 00.01	+36 31 49.0	12.0 T	605
/1994m	1994 08 28.91706	22 35 37.97	+26 38 19.1	10.6 T	605
/1994m	1994 08 28.92274	22 35 35.79	+26 37 07.6	10.5 T	605
/1994m	1994 08 29.58663	22 31 22.63	+24 16 04.6	9.3 T	372
/1994m	1994 08 29.67222	22 30 49.76	+23 57 42.7		372
/1994m	1994 08 30.86170	22 23 36.51	+19 39 22.4	11.6 T	605
/1994m	1994 08 30.86947	22 23 33.72	+19 37 42.1	11.9 T	605
/1994m	1994 09 02.23906	22 10 14.41	+10 59 22.7		675
/1994m	1994 09 02.25972	22 10 07.54	+10 54 48.2		675
/1994m	1994 09 03.54896	22 03 29.86	+06 19 41.5		410
/1994m	1994 09 03.55278	22 03 28.66	+06 18 53.0		410
/1994m	1994 09 03.55521	22 03 27.91	+06 18 22.8		410
/1994m	1994 09 03.55833	22 03 26.98	+06 17 43.3		410
/1994m	1994 09 03.91245	22 01 42.18	+05 03 47.3	12.1 T	605
/1994m	1994 09 05.86782	21 52 36.57	−01 26 48.4	12.7 T	605
/1994m	1994 09 05.87198	21 52 35.53	−01 27 35.9	12.8 T	605
/1994m	1994 09 25.46753	21 02 04.58	−35 48 49.4	12.8 T	360
/1994m	1994 09 25.47066	21 02 04.31	−35 48 58.5		360

/1994m	1994 10 02.46875	20 56 04.20	-40 09 13.8	14.2 T	360
/1994m	1994 10 02.47153	20 56 04.10	-40 09 17.9		360

Periodic Comet McNaught-Hartley

/1994n	1994 09 25.47622	21 01 16.91	-40 42 18.5	15.7 T	360
/1994n	1994 09 25.48420	21 01 17.01	-40 42 13.3		360
/1994n	1994 10 02.47691	21 03 23.05	-39 27 34.4	16.4 T	360
/1994n	1994 10 02.48924	21 03 23.33	-39 27 26.5		360

Periodic Comet Machholz 2

/1994o	1994 08 19.96176	06 03 13.68	+57 06 42.3	12.1 T	A 605
/1994o	1994 08 25.95770	07 03 11.43	+49 44 32.7	11.5 T	A 605
/1994o	1994 08 25.96186	07 03 13.34	+49 44 15.7	11.3 T	A 605
/1994o	1994 08 25.96840	07 03 16.30	+49 43 47.6	11.5 T	A 605
/1994o	1994 09 06.02646	08 04 36.04	+37 03 39.3	9.8 T	A 605
/1994o	1994 09 06.02973	08 04 36.76	+37 03 27.4	9.6 T	A 605
/1994o	1994 09 06.03334	08 04 37.84	+37 03 14.4	9.4 T	A 605
/1994o	1994 09 06.04145	08 04 39.83	+37 02 43.5	9.2 T	A 605
/1994o	1994 09 06.07019	08 04 47.02	+37 00 58.7	9.3 T	A 605
/1994o	1994 09 06.07416	08 04 47.96	+37 00 44.4	9.1 T	A 605
/1994o	1994 09 13.80347	08 33 04.74	+29 45 12.5	14.4 T	B 360
/1994o	1994 09 13.80625	08 33 05.31	+29 45 02.2		B 360
/1994o	1994 09 13.80990	08 33 44.15	+30 01 25.1		C 360
/1994o	1994 09 13.80990	08 33 45.17	+30 01 46.6	13.1 T	D 360
/1994o	1994 09 13.81267	08 33 44.76	+30 01 13.7		C 360
/1994o	1994 09 13.81267	08 33 45.65	+30 01 37.6		D 360
/1994o	1994 09 16.81719	08 43 13.8	+27 26 51		D 372
/1994o	1994 09 16.81944	08 43 14.4	+27 26 44	14 T	D 372
/1994o	1994 09 23.11183	09 01 23.97	+22 19 09.0		B 557
/1994o	1994 09 23.11366	09 01 20.81	+22 16 49.5	9 T	A 557
/1994o	1994 09 23.11560	09 01 24.80	+22 18 56.1		B 557
/1994o	1994 09 23.11763	09 01 21.48	+22 16 39.2	14.2 N	A 557
/1994o	1994 09 23.12536	09 01 47.82	+22 30 09.4	9 T	D 557
/1994o	1994 09 23.12992	09 01 48.61	+22 29 57.3	13.4 N	D 557
/1994o	1994 09 23.13553	09 01 49.55	+22 29 42.8		D 557
/1994o	1994 09 23.13847	09 01 50.04	+22 29 35.0		D 557
/1994o	1994 09 23.14179	09 01 29.40	+22 17 47.1		B 557
/1994o	1994 09 23.15045	09 01 27.13	+22 15 13.7		A 557
/1994o	1994 09 23.15045	09 01 30.80	+22 17 24.1		B 557
/1994o	1994 09 23.15571	09 01 52.96	+22 28 49.1		D 557
/1994o	1994 09 24.78576	09 06 06.01	+21 04 51.7	11.5 T	A 372
/1994o	1994 09 24.79248	09 06 28.94	+21 17 31.5	10 T	D 372
/1994o	1994 09 24.82847	09 06 34.90	+21 15 58.5		D 372
/1994o	1994 09 25.79271	09 08 55.29	+20 22 27.5	11.5 T	A 372
/1994o	1994 09 25.79271	09 09 15.33	+20 34 57.2	9 T	D 372
/1994o	1994 09 25.79965	09 09 16.63	+20 34 38.8		D 372
/1994o	1994 09 25.80625	09 09 17.64	+20 34 23.1		D 372
/1994o	1994 09 27.50959	09 13 40.27	+19 11 49.0		A 657
/1994o	1994 09 27.51190	09 13 40.66	+19 11 43.0		A 657
/1994o	1994 09 27.51381	09 13 40.99	+19 11 38.0		A 657
/1994o	1994 09 27.51858	09 13 58.61	+19 23 12.9		D 657
/1994o	1994 09 27.52133	09 13 59.09	+19 23 05.9		D 657
/1994o	1994 09 27.52325	09 13 59.37	+19 23 01.5		D 657

/1994o	1994 09 30.15021	09 20 49.78	+17 27 12.2	12 T	A 046
/1994o	1994 09 30.15112	09 20 49.95	+17 27 09.9		A 046
/1994o	1994 09 30.15211	09 20 50.12	+17 27 07.1		A 046
/1994o	1994 10 02.81372	09 27 52.65	+15 46 16.4	10.7 T	A 360
/1994o	1994 10 02.81632	09 27 53.06	+15 46 10.4		A 360
/1994o	1994 10 02.81997	09 28 02.81	+15 55 46.4	11.6 T	D 360
/1994o	1994 10 02.82361	09 28 03.51	+15 55 37.4		D 360
/1994o	1994 10 05.15529	09 33 55.54	+14 20 58.4	12.6 T	A 046
/1994o	1994 10 05.15627	09 33 55.71	+14 20 56.2		A 046
/1994o	1994 10 05.15714	09 33 55.77	+14 20 55.6		A 046
/1994o	1994 10 07.12355	09 38 54.36	+13 11 44.5	12.6 T	A 046
/1994o	1994 10 07.12605	09 38 54.73	+13 11 38.9		A 046
/1994o	1994 10 07.13008	09 38 55.33	+13 11 30.7		A 046
/1994o	1994 10 07.13620	09 38 56.24	+13 11 18.3		A 046
/1994o	1994 10 07.14498	09 38 57.58	+13 10 59.8		A 046
/1994o	1994 10 07.13660	09 38 56.31	+13 11 17.2		A 557
/1994o	1994 10 07.14883	09 38 58.15	+13 10 51.9		A 557
/1994o	1994 10 07.15422	09 38 58.92	+13 10 40.9		A 557
/1994o	1994 10 07.16016	09 38 59.80	+13 10 28.5		A 557
/1994o	1994 10 07.13660	09 38 56.30	+13 12 40.3		B 557
/1994o	1994 10 07.14883	09 38 58.19	+13 12 15.1		B 557
/1994o	1994 10 07.15422	09 38 58.81	+13 12 05.0		B 557
/1994o	1994 10 07.16016	09 38 59.81	+13 11 53.1		B 557
/1994o	1994 10 11.14785	09 48 46.88	+10 56 34.7		A 557
/1994o	1994 10 11.16065	09 48 48.72	+10 56 09.5		A 557
/1994o	1994 10 11.14483	09 48 46.22	+10 57 49.1		B 557
/1994o	1994 10 11.14785	09 48 46.54	+10 57 43.3		B 557
/1994o	1994 10 11.16598	09 48 49.19	+10 57 08.5		B 557

Periodic Comet Longmore

/1994q	1994 09 27.47845	09 39 46.16	+35 27 49.7	20.5 T	691
/1994q	1994 09 27.48339	09 39 46.66	+35 27 47.5		691
/1994q	1994 09 27.48787	09 39 47.15	+35 27 47.4		691
/1994q	1994 09 28.46961	09 41 16.32	+35 23 25.8		691
/1994q	1994 09 28.47579	09 41 16.70	+35 23 24.8		691
/1994q	1994 09 28.48108	09 41 17.30	+35 23 22.8	21.0 T	691

Comet Machholz (1994r)

/1994r	1994 10 09.33938	08 40 07.41	+55 21 24.1	12.5 T	816
/1994r	1994 10 09.34947	08 40 06.18	+55 21 21.4		816
/1994r	1994 10 09.35072	08 40 06.07	+55 21 21.5		816
/1994r	1994 10 09.36258	08 40 04.80	+55 21 18.4		816
/1994r	1994 10 09.44497	08 39 55.64	+55 20 58.8	12.0 T	675
/1994r	1994 10 09.48750	08 39 50.99	+55 20 47.1		675
/1994r	1994 10 11.08891	08 36 48.25	+55 13 16.2	13 T	046
/1994r	1994 10 11.11322	08 36 45.22	+55 13 10.2		046
/1994r	1994 10 11.14288	08 36 41.75	+55 13 05.1	15.1 N	046
/1994r	1994 10 11.14591	08 36 41.38	+55 13 04.3	13.2 T	046
/1994r	1994 10 11.14723	08 36 41.23	+55 13 04.0		046
/1994r	1994 10 11.14986	08 36 40.92	+55 13 03.3		046
/1994r	1994 10 11.15361	08 36 40.43	+55 13 02.3		046
/1994r	1994 10 11.15794	08 36 39.91	+55 13 01.1		046
/1994r	1994 10 11.16057	08 36 39.60	+55 13 00.5		046

/1994r	1994 10 11.16303	08 36 39.29	+55 12 59.8		046
/1994r	1994 10 11.16584	08 36 38.97	+55 12 59.0		046
/1994r	1994 10 11.16841	08 36 38.65	+55 12 58.4		046
/1994r	1994 10 11.17091	08 36 38.36	+55 12 57.8		046
/1994r	1994 10 11.17341	08 36 38.04	+55 12 57.0		046
/1994r	1994 10 11.17608	08 36 37.72	+55 12 56.3		046
/1994r	1994 10 11.72498	08 35 31.28	+55 10 18.2		046
/1994r	1994 10 11.72706	08 35 31.04	+55 10 17.6		046
/1994r	1994 10 11.73128	08 35 30.54	+55 10 16.6		046
/1994r	1994 10 11.77888	08 35 24.67	+55 10 04.2	13.5 T	540
/1994r	1994 10 11.78058	08 35 24.49	+55 10 03.5	13.5 T	540
/1994r	1994 10 11.78174	08 35 24.37	+55 10 03.5	13.4 T	540
/1994r	1994 10 12.25713	08 34 26.31	+55 07 53.6		817
/1994r	1994 10 12.29308	08 34 21.85	+55 07 43.9		817
/1994r	1994 10 12.30697	08 34 19.96	+55 07 41.3		817
/1994r	1994 10 12.34857	08 34 14.86	+55 07 29.7		817
/1994r	1994 10 12.36938	08 34 12.10	+55 07 24.1		817
/1994r	1994 10 12.39709	08 34 08.55	+55 07 16.6		817
/1994r	1994 10 13.98881	08 30 41.28	+54 59 41.8	13.2 T	596
/1994r	1994 10 14.00039	08 30 39.77	+54 59 38.2		596
/1994r	1994 10 14.01110	08 30 38.24	+54 59 34.8		596

A–D: nuclei of comets 1994g and 1994o, defined in order of perihelion passage.

OBSERVATIONS OF MINOR PLANETS

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

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

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

Object	Date	UT	α_{2000}	δ_{2000}	Mag.	N Obs.
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010 Caussols

E. W. Elst, Royal Observatory, B-1180 Brussels, Belgium [elst@atmos.oma.be]

C. Pollas, Observatoire de la Côte d'Azur, Avenue Copernic, F-06130 Grasse, France [pollas@ocar01.obs-azur.fr]

Observer C. Pollas

Measurers E. W. Elst, M. Scardia

0.9-m Schmidt telescope

1981 EX ₂₆	1993 09 18.92086	22 49 20.75	−04 23 24.6	18.3	010
1981 EX ₂₆	1993 09 18.93194	22 49 20.24	−04 23 29.5		010
1981 EX ₂₆	1993 09 18.94282	22 49 19.73	−04 23 34.7		010
1986 XF ₁	1993 09 18.92086	22 47 08.97	−02 50 17.3	18.0	010
1986 XF ₁	1993 09 18.93194	22 47 08.39	−02 50 20.2		010
1986 XF ₁	1993 09 18.94282	22 47 07.84	−02 50 22.6		010
1989 TA ₁₆	1993 09 18.92086	22 44 17.91	−04 00 02.3	18.4	010
1989 TA ₁₆	1993 09 18.93194	22 44 17.38	−04 00 04.9		010
1989 TA ₁₆	1993 09 18.94282	22 44 16.97	−04 00 08.7		010
1993 PP ₅	1993 08 19.98333	22 26 56.05	−06 08 13.4		010
1993 PP ₅	1993 08 19.99375	22 26 55.67	−06 08 18.1		010
1993 PP ₅	1993 08 20.00417	22 26 55.28	−06 08 22.2		010
1993 PW ₇	1993 09 18.92086	22 36 59.44	−07 24 38.2	18.3	010
1993 PW ₇	1993 09 18.93194	22 36 58.92	−07 24 39.6		010
1993 PW ₇	1993 09 18.94282	22 36 58.46	−07 24 41.7		010
1993 QV ₁	1993 09 18.92086	22 46 37.12	−05 46 55.7	18.5	010
1993 QV ₁	1993 09 18.93194	22 46 36.57	−05 46 59.9		010
1993 QV ₁	1993 09 18.94282	22 46 36.07	−05 47 02.1		010
1993 QG ₂	1993 09 18.92086	22 50 22.82	−07 09 18.4	18.5	010
1993 QG ₂	1993 09 18.93194	22 50 22.22	−07 09 21.3		010
1993 QG ₂	1993 09 18.94282	22 50 21.88	−07 09 22.4		010
1993 QP ₂	1993 09 18.92086	22 50 04.33	−06 53 41.8	18.5	010
1993 QP ₂	1993 09 18.93194	22 50 03.73	−06 53 48.3		010
1993 QP ₂	1993 09 18.94282	22 50 03.19	−06 53 53.4		010
1993 QS ₂	1993 09 18.92086	22 51 48.95	−06 16 18.4	18.6	010
1993 QS ₂	1993 09 18.93194	22 51 48.37	−06 16 20.7		010
1993 QS ₂	1993 09 18.94282	22 51 47.90	−06 16 21.5		010
1993 QT ₅	1993 09 18.92086	22 38 34.56	−04 34 23.6	18.5	010
1993 QT ₅	1993 09 18.93194	22 38 34.10	−04 34 29.7		010
1993 QT ₅	1993 09 18.94282	22 38 33.72	−04 34 34.6		010
1993 RB ₁	1993 08 19.98333	22 33 03.16	−04 53 52.5	18.5	010
1993 RB ₁	1993 08 19.99375	22 33 02.72	−04 53 57.6		010
1993 RB ₁	1993 08 20.00417	22 33 02.21	−04 54 00.5		010

M.P.C. 24028

1994 OCT. 19

1994 RH	1994 09 11.92153	22 21 12.08	+01 23 45.5	010	
1994 RH	1994 09 11.95278	22 21 08.57	+01 24 09.2	010	
1994 RH	1994 09 11.96580	22 21 06.81	+01 24 21.3	010	
1994 RH	1994 09 11.99705	22 21 03.17	+01 24 47.6	010	
(34)	1993 09 18.92086	22 48 07.71	-04 49 38.9	16.0	010
(34)	1993 09 18.93194	22 48 07.23	-04 49 43.0	010	
(34)	1993 09 18.94282	22 48 06.67	-04 49 47.7	010	
(76)	1993 09 18.92086	22 34 00.54	-06 56 29.8	15.0	010
(76)	1993 09 18.93194	22 34 00.06	-06 56 33.0	010	
(76)	1993 09 18.94282	22 33 59.70	-06 56 34.4	010	
(303)	1993 09 18.92086	22 46 18.53	-07 37 05.8	16.0	010
(303)	1993 09 18.93194	22 46 17.97	-07 37 06.5	010	
(303)	1993 09 18.94282	22 46 17.47	-07 37 07.5	010	
(310)	1993 09 18.92086	22 39 39.97	-03 55 25.0	17.5	010
(310)	1993 09 18.93194	22 39 39.40	-03 55 28.8	010	
(310)	1993 09 18.94282	22 39 38.98	-03 55 31.1	010	
(3113)	1993 09 18.92086	22 36 31.38	-05 34 29.9	18.2	010
(3113)	1993 09 18.93194	22 36 30.81	-05 34 34.9	010	
(3113)	1993 09 18.94282	22 36 30.36	-05 34 39.3	010	
(4854)	1993 09 18.92086	22 47 39.65	-05 02 47.6	18.4	010
(4854)	1993 09 18.93194	22 47 39.17	-05 02 53.4	010	
(4854)	1993 09 18.94282	22 47 38.78	-05 02 56.9	010	

012 Uccle

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Double astrophotograph

(17)	1994 10 11.13819	07 19 19.02	+18 30 50.2	012	
(17)	1994 10 11.16250	07 19 20.23	+18 30 46.8	012	
(60)	1994 10 11.13819	07 18 20.98	+18 24 27.6	012	
(60)	1994 10 11.16250	07 18 23.33	+18 24 20.2	012	
(201)	1994 10 11.13819	07 16 53.71	+16 25 47.8	012	
(201)	1994 10 11.16250	07 16 54.83	+16 25 43.4	012	
(308)	1994 10 11.13819	07 20 17.90	+17 30 54.6	012	
(308)	1994 10 11.16250	07 20 19.06	+17 30 50.3	012	
(521)	1994 10 11.18264	07 29 14.86	+20 09 04.1	012	
(521)	1994 10 11.19583	07 29 15.96	+20 09 04.0	012	

033 Tautenburg

F. Börngen, Thüringer Landessternwarte, Sternwarte 5, D-07778 Tautenburg, Germany [vib@rz.uni-jena.de]

1.3-m Schmidt telescope

PPM

1987 SL ₁₀	1994 08 04.91944	20 24 31.35	-12 09 58.1	033	
1987 SL ₁₀	1994 08 04.97917	20 24 29.04	-12 10 11.6	18.5	033
1987 SL ₁₀	1994 08 06.91667	20 23 15.04	-12 17 53.1	033	
1987 SL ₁₀	1994 08 09.92639	20 21 21.78	-12 29 56.6	V 033	
1987 SX ₁₇	1994 08 04.91944	20 27 51.89	-11 24 34.6	033	
1987 SX ₁₇	1994 08 04.97917	20 27 48.83	-11 24 40.4	16.6	033
1987 SX ₁₇	1994 08 06.91667	20 26 15.67	-11 28 20.5	033	
1987 SX ₁₇	1994 08 09.92639	20 23 56.28	-11 34 38.1	033	
1990 VJ ₃	1994 08 04.91944	20 20 25.55	-10 31 58.4	E 033	
1990 VJ ₃	1994 08 04.97917	20 20 22.69	-10 32 03.5	18.1	033

1993 RQ ₄	1993 10 17.84861	23 59 02.83	+02 16 49.1	18.0	033
1993 RQ ₄	1993 10 17.89526	23 59 01.10	+02 16 35.4		033
1993 RT ₅	1993 10 17.84861	23 59 38.35	+02 52 04.5	18.6	033
1993 RT ₅	1993 10 17.89526	23 59 36.00	+02 52 07.9		033
1993 SD ₁₄	1993 10 17.84861	00 01 48.39	+01 00 47.8	17.5	033
1993 SD ₁₄	1993 10 17.89526	00 01 46.49	+01 00 41.6		033
1994 PY ₁	* 1994 08 04.91944	20 25 41.22	-13 30 35.8		033
1994 PY ₁	1994 08 04.97917	20 25 37.93	-13 30 28.7	17.9	033
1994 PY ₁	1994 08 06.91667	20 23 54.78	-13 26 37.9		033
1994 PY ₁	1994 08 09.92639	20 21 19.19	-13 20 53.1		033
1994 PZ ₁	* 1994 08 04.91944	20 29 27.73	-11 03 26.4		033
1994 PZ ₁	1994 08 04.97917	20 29 24.12	-11 03 34.2	17.7	033
1994 PZ ₁	1994 08 06.91667	20 27 29.07	-11 08 05.1		033
1994 PZ ₁	1994 08 09.92639	20 24 34.33	-11 15 24.0		033
(318)	1994 08 04.91944	20 26 02.19	-10 32 55.7		E 033
(318)	1994 08 04.97917	20 25 59.61	-10 33 13.0	15.3	033
(318)	1994 08 06.91667	20 24 37.42	-10 42 49.8		033
(318)	1994 08 09.92639	20 22 32.26	-10 57 56.3		033
(797)	1994 08 04.91944	20 27 57.18	-11 48 19.7		033
(797)	1994 08 04.97917	20 27 53.90	-11 48 30.3	14.6	033
(797)	1994 08 06.91667	20 26 10.15	-11 54 34.7		033
(797)	1994 08 09.92639	20 23 33.41	-12 04 13.6		033
(3751)	1994 08 04.87778	19 31 21.33	-12 04 57.9		033
(3751)	1994 08 04.93958	19 31 18.60	-12 04 54.9	17.1	033
(3751)	1994 08 06.89583	19 29 57.19	-12 03 05.4		033
(3751)	1994 08 09.88819	19 28 00.52	-12 00 38.8		033
(4223)	1994 08 04.87778	19 38 07.10	-14 05 18.2		033
(4223)	1994 08 04.93958	19 38 04.22	-14 05 18.7	16.5	033
(4223)	1994 08 06.89583	19 36 37.70	-14 05 28.5		033
(6099)	1994 08 09.88819	19 34 32.60	-14 05 54.2		033
(6099)	1994 08 04.87778	19 33 50.21	-12 59 16.6		033
(6099)	1994 08 04.93958	19 33 46.86	-12 59 16.7	17.4	033
(6099)	1994 08 06.89583	19 32 09.83	-12 59 37.2		033
(6099)	1994 08 09.88819	19 29 53.40	-13 00 34.4		033

046 Kleť

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

Measurers Z. Moravec, M. Tichý

0.57-m reflector + CCD

GSC, PPM

1980 GL	1994 10 04.88061	22 54 06.86	-15 08 53.9	18.1 R	046
1980 GL	1994 10 04.88406	22 54 06.71	-15 08 53.1		046
1980 GL	1994 10 04.88822	22 54 06.49	-15 08 52.4		046
1980 GL	1994 10 06.79885	22 52 53.73	-15 05 14.2	18.3 R	046
1980 GL	1994 10 06.80097	22 52 53.68	-15 05 12.9		046
1980 GL	1994 10 06.80229	22 52 53.63	-15 05 12.5		046
1981 GP	1994 09 30.08420	02 41 32.22	+27 34 30.2	15.9 R	046
1981 GP	1994 09 30.08551	02 41 32.17	+27 34 31.5		046
1981 GP	1994 09 30.08784	02 41 32.07	+27 34 33.4		046
1981 GP	1994 10 05.02051	02 37 33.71	+28 50 34.8	16.1 R	046
1981 GP	1994 10 05.02142	02 37 33.67	+28 50 35.4		046

1981 GP	1994 10 05.02293	02 37 33.58	+28 50 37.0			046	(1474)	1994 10 05.08495	03 14 31.96	+73 16 24.6	14.2 R	046
1983 XW	1994 09 30.04326	01 52 58.58	+11 25 39.0	16.0 R	r	046	(1474)	1994 10 05.08586	03 14 32.11	+73 16 26.5		046
1983 XW	1994 09 30.04625	01 52 58.48	+11 25 38.4		r	046	(1474)	1994 10 05.08696	03 14 32.31	+73 16 28.8		046
1983 XW	1994 09 30.04874	01 52 58.41	+11 25 38.1		r	046	(1620)	1994 09 29.83704	21 42 11.52	+11 33 03.9	13.6 R	046
1983 XW	1994 10 05.01238	01 49 56.35	+11 09 39.2	15.8 R	r	046	(1620)	1994 09 29.84340	21 42 11.78	+11 33 06.9		046
1983 XW	1994 10 05.01463	01 49 56.27	+11 09 38.5		r	046	(1620)	1994 09 29.84785	21 42 11.96	+11 33 09.1		046
1983 XW	1994 10 05.01553	01 49 56.23	+11 09 38.1		r	046	(1620)	1994 09 30.82850	21 43 01.18	+11 40 38.6	13.9 R	046
1984 UB ₃	1994 10 04.90862	23 31 03.11	-01 46 14.1	16.9 R		046	(1620)	1994 09 30.82943	21 43 01.25	+11 40 39.1		046
1984 UB ₃	1994 10 04.90991	23 31 03.06	-01 46 14.3			046	(1620)	1994 09 30.83522	21 43 01.45	+11 40 41.4		046
1984 UB ₃	1994 10 04.91120	23 31 03.02	-01 46 14.6			046	(1620)	1994 10 02.89241	21 44 48.20	+11 54 30.4	14.0 R	046
1984 UB ₃	1994 10 06.96778	23 29 44.57	-01 55 14.5	16.9 R		046	(1620)	1994 10 02.89453	21 44 48.30	+11 54 31.1		046
1984 UB ₃	1994 10 06.97171	23 29 44.43	-01 55 15.4			046	(1620)	1994 10 02.89669	21 44 48.40	+11 54 31.9		046
1984 UB ₃	1994 10 06.97348	23 29 44.38	-01 55 16.1			046	(2100)	1994 09 30.09884	04 08 58.39	-18 15 01.9	15.2 R	046
1986 XH	1994 09 11.00973	00 23 27.48	+22 21 53.2	16.9 R	I	046	(2100)	1994 09 30.10411	04 08 59.19	-18 15 40.6		046
1986 XH	1994 09 11.01699	00 23 27.13	+22 21 53.0			046	(2100)	1994 09 30.11135	04 09 00.28	-18 16 33.8		046
1986 XH	1994 09 11.01832	00 23 27.06	+22 21 53.1			046	(2100)	1994 10 05.09579	04 24 09.33	-29 29 41.4	15.2 R	r 046
1986 XH	1994 09 24.88928	00 12 06.26	+21 41 47.3	15.8 R		046	(2100)	1994 10 05.09803	04 24 09.73	-29 30 01.1		r 046
1986 XH	1994 09 24.89059	00 12 06.18	+21 41 47.1			046	(2100)	1994 10 05.09905	04 24 09.94	-29 30 09.7		r 046
1986 XH	1994 09 24.89182	00 12 06.09	+21 41 46.6			046	(2212)	1994 09 30.00692	01 38 41.13	+02 18 33.4	15.1 R	r 046
1986 XH	1994 10 04.92372	00 03 17.20	+20 42 32.4	16.2 R		046	(2212)	1994 09 30.00940	01 38 40.60	+02 18 31.9		r 046
1986 XH	1994 10 04.92729	00 03 17.02	+20 42 30.8			046	(2212)	1994 09 30.01042	01 38 40.38	+02 18 31.4		r 046
1986 XH	1994 10 04.92924	00 03 16.92	+20 42 30.0			046	(2212)	1994 10 04.98104	01 22 01.11	+01 34 47.3	15.4 R	046
1986 XH	1994 10 06.98054	00 01 32.30	+20 27 47.5	16.3 R		046	(2212)	1994 10 04.98241	01 22 00.85	+01 34 46.6		046
1986 XH	1994 10 06.98354	00 01 32.13	+20 27 46.6			046	(2212)	1994 10 04.98367	01 22 00.60	+01 34 46.1		046
1986 XH	1994 10 06.98897	00 01 31.86	+20 27 43.9			046	(2414)	1994 09 23.88346	23 05 25.48	-09 44 50.2	16.8 R	046
1986 XT	1994 09 29.96212	00 53 24.34	+07 50 02.6	16.1 R		046	(2414)	1994 09 23.88554	23 05 25.36	-09 44 49.9		046
1986 XT	1994 09 29.96381	00 53 24.25	+07 50 02.5			046	(2414)	1994 09 23.88789	23 05 25.23	-09 44 49.7		046
1986 XT	1994 09 29.96505	00 53 24.19	+07 50 02.5			046	(2414)	1994 09 24.84426	23 04 36.79	-09 44 08.5	16.4 R	046
1986 XT	1994 10 04.94824	00 49 31.64	+07 44 54.4	15.7 R		046	(2414)	1994 09 24.84556	23 04 36.68	-09 44 08.6		046
1986 XT	1994 10 04.95281	00 49 31.40	+07 44 54.2			046	(2414)	1994 09 24.84683	23 04 36.64	-09 44 08.2		046
1986 XT	1994 10 04.95676	00 49 31.21	+07 44 53.8			046	(2570)	1994 09 23.91181	23 29 56.39	+13 20 39.8	15.4 R	r 046
1987 VQ	1994 10 04.87181	22 53 50.94	-06 11 15.3	18.1 R	r	046	(2570)	1994 09 23.91463	23 29 56.22	+13 20 39.6		r 046
1987 VQ	1994 10 04.87457	22 53 50.80	-06 11 15.9		r	046	(2570)	1994 09 23.91625	23 29 56.10	+13 20 39.6		r 046
1987 VQ	1994 10 04.87856	22 53 50.60	-06 11 16.7		r	046	(2570)	1994 09 24.86605	23 28 59.14	+13 19 39.5	15.4 R	046
1987 VQ	1994 10 06.78751	22 52 39.82	-06 20 22.1	18.1 R		046	(2570)	1994 09 24.86811	23 28 59.02	+13 19 39.1		046
1987 VQ	1994 10 06.78898	22 52 39.74	-06 20 22.6			046	(2570)	1994 09 24.86956	23 28 58.91	+13 19 39.1		046
1987 VQ	1994 10 06.79087	22 52 39.55	-06 20 24.6			046	(2629)	1994 09 30.05823	02 41 15.76	+47 21 04.8	17.5 R	046
1989 EW ₁	1994 09 30.02388	01 49 16.55	+10 42 59.0	15.3 R		046	(2629)	1994 09 30.05973	02 41 15.59	+47 21 06.7		046
1989 EW ₁	1994 09 30.02688	01 49 16.41	+10 42 58.4			046	(2629)	1994 09 30.06184	02 41 15.47	+47 21 08.1		046
1989 EW ₁	1994 09 30.03002	01 49 16.26	+10 42 58.2			046	(2629)	1994 10 05.05042	02 33 47.83	+48 35 07.7	18.0 R	046
1989 EW ₁	1994 10 04.99634	01 45 13.82	+10 31 10.5	15.3 R	r	046	(2684)	1994 09 23.84618	22 31 19.96	-12 26 47.8	16.8 R	r 046
1989 EW ₁	1994 10 05.00003	01 45 13.63	+10 31 10.3		r	046	(2684)	1994 09 23.84850	22 31 19.90	-12 26 48.2		r 046
1989 EW ₁	1994 10 05.00110	01 45 13.54	+10 31 09.6		r	046	(2684)	1994 09 23.85282	22 31 19.78	-12 26 49.7		r 046
1994 RH	1994 10 02.88605	21 45 22.58	+06 08 27.2	17.2 R		046	(2684)	1994 09 24.81532	22 30 49.64	-12 31 56.8	17.0 R	046
1994 RH	1994 10 02.88932	21 45 22.30	+06 08 29.3			046	(2684)	1994 09 24.81672	22 30 49.58	-12 31 57.8		046
1994 RH	1994 10 02.89076	21 45 22.19	+06 08 30.5			046	(2684)	1994 09 24.81801	22 30 49.56	-12 31 58.0		046
1994 RH	1994 10 04.86546	21 42 56.33	+06 33 50.3	17.3 R		046	(3006)	1994 09 23.87293	23 04 13.02	-07 48 08.8	16.4 R	r 046
1994 RH	1994 10 04.86687	21 42 56.18	+06 33 51.7			046	(3006)	1994 09 23.87397	23 04 12.96	-07 48 08.9		r 046
1994 RH	1994 10 04.86948	21 42 55.96	+06 33 53.3			046	(3006)	1994 09 23.87675	23 04 12.82	-07 48 09.2		r 046
(1474)	1994 09 30.07380	03 00 20.96	+70 13 15.2	14.0 R		046	(3006)	1994 09 24.83567	23 03 28.04	-07 50 08.4	17.0 R	046
(1474)	1994 09 30.07469	03 00 21.06	+70 13 17.4			046	(3006)	1994 09 24.83684	23 03 27.99	-07 50 08.5		046
(1474)	1994 09 30.07575	03 00 21.27	+70 13 19.6			046	(3006)	1994 09 24.83786	23 03 27.98	-07 50 09.0		046

(3144)	1994 09 23.89425	23 08 00.09	+07 27 06.9	15.0 R	046
(3144)	1994 09 23.89662	23 08 00.00	+07 27 05.7		046
(3144)	1994 09 23.89994	23 07 59.86	+07 27 04.1		046
(3144)	1994 09 24.85470	23 07 24.66	+07 19 20.7	15.0 R	046
(3144)	1994 09 24.85579	23 07 24.61	+07 19 19.6		046
(3144)	1994 09 24.85722	23 07 24.58	+07 19 19.4	r	046
(3646)	1994 09 23.85832	22 58 37.50	-06 55 16.5	17.3 R	046
(3646)	1994 09 23.86043	22 58 37.45	-06 55 17.3		046
(3646)	1994 09 23.86252	22 58 37.35	-06 55 17.3		046
(3646)	1994 09 24.82253	22 57 55.54	-06 59 18.7	17.2 R	r 046
(3646)	1994 09 24.82777	22 57 55.34	-06 59 20.3	r	046
(3646)	1994 09 24.82999	22 57 55.23	-06 59 20.5	r	046
(3691)	1994 09 29.82809	21 42 04.05	-17 31 38.0	17.4 R	046
(3691)	1994 09 29.83134	21 42 03.96	-17 31 36.1		046
(3691)	1994 09 29.83453	21 42 03.90	-17 31 33.6		046
(3691)	1994 10 02.86047	21 40 47.62	-16 51 07.5	17.8 R	046
(3691)	1994 10 02.86176	21 40 47.60	-16 51 06.8		046
(3691)	1994 10 02.86465	21 40 47.58	-16 51 04.1		046
(4450)	1994 09 30.01709	01 43 21.83	+24 17 37.8	18.2 R	F 046
(4450)	1994 09 30.02005	01 43 21.27	+24 17 35.1		F 046
(4450)	1994 09 30.02182	01 43 21.00	+24 17 34.5		F 046
(4450)	1994 10 04.98929	01 29 15.60	+23 07 54.3	17.9 R	046
(4450)	1994 10 04.99058	01 29 15.40	+23 07 52.3		046
(4450)	1994 10 04.99209	01 29 15.21	+23 07 51.0		046
(4775)	1994 09 30.13450	06 42 00.82	+34 02 37.1	16.8 R	046
(4775)	1994 09 30.13641	06 42 00.98	+34 02 37.4	r	046
(4775)	1994 09 30.13765	06 42 01.10	+34 02 37.8	r	046
(4775)	1994 10 05.12972	06 49 16.24	+34 17 35.2	16.8 R	046
(4775)	1994 10 05.13105	06 49 16.30	+34 17 35.6		046
(4775)	1994 10 05.13318	06 49 16.45	+34 17 36.4		046
(5206)	1994 09 23.82707	22 04 23.59	-11 07 39.7	17.9 R	046
(5206)	1994 09 23.82981	22 04 23.41	-11 07 39.4		046
(5206)	1994 09 23.83215	22 04 23.34	-11 07 39.0		046
(5206)	1994 09 24.80032	22 03 43.56	-11 07 10.8	17.7 R	046
(5206)	1994 09 24.80294	22 03 43.44	-11 07 08.8		046
(5206)	1994 09 24.80564	22 03 43.40	-11 07 09.5		046
(5261)	1994 09 29.99043	01 10 33.88	+52 54 24.4	17.0 R	046
(5261)	1994 09 29.99155	01 10 33.84	+52 54 23.4		046
(5261)	1994 09 29.99358	01 10 33.74	+52 54 22.2		046
(5261)	1994 10 04.96877	01 06 19.50	+51 51 32.0	17.0 R	046
(5261)	1994 10 04.96990	01 06 19.42	+51 51 30.8		046
(5261)	1994 10 04.97123	01 06 19.35	+51 51 29.6		046
(6077)	1994 09 30.03593	01 52 19.67	+11 08 48.5	15.7 R	046
(6077)	1994 09 30.03870	01 52 19.55	+11 08 48.3		046
(6077)	1994 09 30.03997	01 52 19.52	+11 08 48.0		046
(6077)	1994 10 05.00397	01 48 33.09	+10 57 29.1	15.7 R	046
(6077)	1994 10 05.00616	01 48 32.98	+10 57 28.9		046
(6077)	1994 10 05.00706	01 48 32.92	+10 57 28.5		046
(6089)	1994 09 11.03047	00 53 59.24	-02 45 40.8	16.8 R	046
(6089)	1994 09 11.03153	00 53 59.21	-02 45 41.4		046
(6089)	1994 09 11.03256	00 53 59.17	-02 45 41.7		046
(6089)	1994 09 24.89818	00 44 23.79	-04 40 05.8	16.1 R	046

(6089)	1994 09 24.89953	00 44 23.73	-04 40 06.3		046
(6089)	1994 09 24.90076	00 44 23.68	-04 40 07.2		046
(6089)	1994 10 04.93911	00 35 39.90	-05 57 20.7	16.5 R	046
(6089)	1994 10 04.94387	00 35 39.64	-05 57 22.9		046
(6089)	1994 10 04.94606	00 35 39.51	-05 57 23.8		046
(6089)	1994 10 06.99451	00 33 51.41	-06 11 15.4	16.3 R	046
(6089)	1994 10 06.99598	00 33 51.33	-06 11 16.0		046
(6089)	1994 10 06.99778	00 33 51.23	-06 11 16.8		046
(6094)	1994 09 10.99220	23 48 38.21	+14 24 39.8	16.2 R	046
(6094)	1994 09 10.99541	23 48 38.07	+14 24 38.5		046
(6094)	1994 09 11.00277	23 48 37.75	+14 24 35.1		046
(6094)	1994 09 24.87802	23 37 53.88	+12 24 05.1	16.1 R	046
(6094)	1994 09 24.87925	23 37 53.85	+12 24 04.3		046
(6094)	1994 09 24.88123	23 37 53.77	+12 24 03.0		046
(6094)	1994 10 04.89538	23 30 54.66	+10 42 56.0	15.6 R	046
(6094)	1994 10 04.89799	23 30 54.57	+10 42 54.4		046
(6094)	1994 10 04.90020	23 30 54.47	+10 42 52.9		046
(6094)	1994 10 06.95700	23 29 39.17	+10 21 43.3	15.8 R	046
(6094)	1994 10 06.96095	23 29 39.02	+10 21 40.8		046
(6094)	1994 10 06.96409	23 29 38.90	+10 21 38.9		046

098 Asiago Observatory, Cima Ekar

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

Observers A. Boattini, V. Goretti, E. Gregori, M. Tombelli, U. Munari

Measurers A. Boattini, M. Tombelli

0.67-m $f/3.2$ Schmidt

1986 UY	1994 01 16.88014	07 32 55.76	+29 50 14.0		098
1986 UY	1994 01 16.89375	07 32 54.79	+29 50 12.0		098
1994 BC ₅	* 1994 01 16.88014	07 30 14.66	+32 16 26.5		098
1994 BC ₅	1994 01 16.89375	07 30 13.25	+32 16 30.0		098
1994 BC ₅	1994 01 18.90346	07 27 45.01	+32 23 12.6	16.0 R	098
1994 BC ₅	1994 01 18.92569	07 27 43.10	+32 23 16.6		098
1994 EY ₇	* 1994 03 13.02331	12 53 18.39	+03 02 10.5		098
1994 EY ₇	1994 03 13.04583	12 53 17.68	+03 02 14.7		098
1994 EY ₇	1994 03 14.91597	12 52 08.08	+03 05 09.6	18.0 R	098
1994 EY ₇	1994 03 14.93333	12 52 06.99	+03 05 12.1		098
1994 EZ ₇	* 1994 03 13.02331	12 58 29.07	+03 44 53.7		098
1994 EZ ₇	1994 03 13.04583	12 58 28.16	+03 44 58.8		098
1994 EZ ₇	1994 03 14.91597	12 57 24.02	+03 54 02.1	18.0 R	098
1994 EZ ₇	1994 03 14.93333	12 57 23.21	+03 54 09.8		098
1994 EA ₈	* 1994 03 13.02331	13 00 38.26	+02 10 10.3	17.5 R	098
1994 EA ₈	1994 03 13.04583	13 00 37.34	+02 10 07.5		098
1994 EA ₈	1994 03 14.91597	12 59 10.15	+02 08 27.2		098
1994 EA ₈	1994 03 14.93333	12 59 09.26	+02 08 26.3		098
(565)	1994 09 05.04097	00 22 00.57	+15 21 58.2		098
(565)	1994 09 05.04977	00 22 00.26	+15 21 56.1		098
(565)	1994 09 05.08197	00 21 58.84	+15 21 47.7		098
(1640)	1994 01 18.90346	07 32 22.97	+32 15 07.6		098
(1640)	1994 01 18.92569	07 32 21.17	+32 15 06.2		098
(2208)	1994 03 13.02331	12 55 48.48	+01 41 06.9		098
(2208)	1994 03 13.04583	12 55 47.70	+01 41 10.4		098
(2208)	1994 03 14.91597	12 54 42.40	+01 49 02.1		098

(2208)	1994 03 14.93333	12 54 41.81	+01 49 04.0	098
(2291)	1994 03 13.02331	12 51 12.35	+04 44 05.4	098
(2291)	1994 03 13.04583	12 51 11.46	+04 44 20.5	098
(2291)	1994 03 14.91597	12 50 08.90	+05 07 09.7	098
(2291)	1994 03 14.93333	12 50 08.27	+05 07 20.3	098
(2669)	1994 09 05.00694	23 19 55.56	+08 12 40.1	098
(2669)	1994 09 05.02222	23 19 54.93	+08 12 38.5	098
(3546)	1994 01 18.90346	07 26 38.66	+29 30 52.9	098
(3546)	1994 01 18.92569	07 26 37.25	+29 30 50.2	098
(3565)	1994 03 13.02331	12 56 38.91	+04 57 42.5	098
(3565)	1994 03 13.04583	12 56 37.95	+04 57 48.2	098
(3565)	1994 03 14.91597	12 55 28.01	+05 07 20.0	098
(3565)	1994 03 14.93333	12 55 27.28	+05 07 23.4	098
(4819)	1994 01 18.90346	07 25 24.57	+30 01 28.1	098
(4819)	1994 01 18.92569	07 25 23.06	+30 01 25.4	098
(4934)	1994 01 17.05613	09 09 26.28	+03 09 15.1	098
(4934)	1994 01 17.06481	09 09 25.55	+03 09 20.3	098

104 San Marcello Pistoiese

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Observers A. Boattini, M. Tombelli, S. Giovanardi

0.4-m $f/5$ reflector + CCD

GSC

1994 TE	* 1994 10 04.89757	23 35 07.19	-04 19 17.2	17	104
1994 TE	1994 10 04.90451	23 35 06.88	-04 19 20.3		104
1994 TE	1994 10 04.92986	23 35 05.72	-04 19 29.4		104
1994 TE	1994 10 04.94306	23 35 05.09	-04 19 34.3		104
1994 TE	1994 10 05.82847	23 34 26.16	-04 25 07.3		104
1994 TE	1994 10 05.84028	23 34 25.67	-04 25 11.8		104
1994 TE	1994 10 05.84722	23 34 25.35	-04 25 14.3		104
1994 TE	1994 10 05.87106	23 34 24.28	-04 25 22.9		104
1994 TE	1994 10 06.80486	23 33 44.13	-04 31 03.8		104
1994 TE	1994 10 06.80833	23 33 44.00	-04 31 05.6		104
1994 TE	1994 10 06.81181	23 33 43.86	-04 31 07.2		104
1994 TE	1994 10 06.82431	23 33 43.30	-04 31 13.0		104
1994 TE	1994 10 06.82986	23 33 43.07	-04 31 14.6		104
1994 TF	* 1994 10 04.89757	23 35 10.27	-04 22 21.3	17.2	104
1994 TF	1994 10 04.90451	23 35 10.06	-04 22 22.3		104
1994 TF	1994 10 04.92153	23 35 09.53	-04 22 25.1		104
1994 TF	1994 10 04.92986	23 35 09.24	-04 22 26.2		104
1994 TF	1994 10 04.94306	23 35 08.80	-04 22 28.5		104
1994 TF	1994 10 05.82847	23 34 43.89	-04 24 27.8		104
1994 TF	1994 10 05.84028	23 34 43.57	-04 24 29.0		104
1994 TF	1994 10 05.84722	23 34 43.36	-04 24 29.9		104
1994 TF	1994 10 05.87106	23 34 42.66	-04 24 32.3		104
1994 TF	1994 10 06.80486	23 34 17.63	-04 26 27.0		104
1994 TF	1994 10 06.80833	23 34 17.51	-04 26 27.4		104
1994 TF	1994 10 06.81181	23 34 17.40	-04 26 28.1		104
1994 TF	1994 10 06.82431	23 34 17.06	-04 26 29.5		104
1994 TF	1994 10 06.82986	23 34 16.88	-04 26 30.8		104

108 Montelupo

M. Tombelli, Via Bozzeto 26, I-50056 Montelupo (Fi), Italy [iau@arcetri.astro.it]

Observers M. Tombelli, A. Boattini

0.20-m $f/10$ reflector + CCD

GSC

1984 SJ ₇	1994 09 12.02523	23 16 48.38	+08 27 51.9	108
1984 SJ ₇	1994 09 12.02969	23 16 48.10	+08 27 51.1	108
1994 RK ₁	1994 09 12.08698	23 25 08.29	+07 45 27.5	108
1994 RK ₁	1994 09 12.09186	23 25 08.17	+07 45 26.1	108
1994 RK ₁	1994 09 12.09670	23 25 07.97	+07 45 23.7	108

112 Pleiade Observatory, Verona

P. Antolini, Via Bertoldi 84, I-37026 Settimo di Pescantina, Verona, Italy

Observers G. Zonaro, F. Castellani, P. Antolini, G. Pinazzi, I. Dal Prete

0.6-m $f/4.6$ reflector + CCD

GSC

$\lambda = 10^\circ 9089$, $\rho \cos \phi' = 0.70232$, $\rho \sin \phi' = +0.70950$ (see *MPC* 22434)

1994 QA ₁	* 1994 08 27.95478	22 22 16.34	-10 26 00.9	18.5	112
1994 QA ₁	1994 08 27.98084	22 22 14.99	-10 26 10.8		112
1994 QA ₁	1994 08 27.99666	22 22 14.10	-10 26 15.9		112
1994 QA ₁	1994 09 09.92108	22 11 21.31	-11 44 31.1		112
1994 QA ₁	1994 09 09.93040	22 11 20.97	-11 44 34.3		112
1994 QA ₁	1994 09 09.94140	22 11 20.33	-11 44 37.5		112
1994 QA ₁	1994 09 09.95046	22 11 19.93	-11 44 40.2		112

113 Volkssternwarte Drebach, Schönbrunn

J. Kandler, Oberauer Weg 61, D-09429 Schönbrunn, Germany

0.14-m $f/3.5$ camera

PPM

(3)	1993 01 17.90555	06 08 57.03	+02 24 27.1	113
(3)	1993 01 18.80972	06 08 28.96	+02 32 49.7	113
(3)	1993 01 31.82118	06 04 33.10	+04 41 37.0	113
(3)	1993 02 11.76388	06 05 27.35	+06 34 51.6	113
(23)	1994 02 14.95451	09 12 44.60	+35 04 37.1	113
(23)	1994 02 16.91076	09 11 04.06	+35 09 40.7	113
(41)	1994 02 16.96284	10 45 12.08	-02 52 54.2	113
(97)	1994 02 15.87881	06 54 44.17	+10 58 44.3	113
(206)	1994 02 15.83472	04 45 20.79	+18 44 15.5	113
(206)	1994 02 16.82986	04 45 55.01	+18 47 11.9	113
(945)	1994 03 30.87851	09 33 08.31	-13 48 50.6	113
(1963)	1994 04 05.97350	14 08 29.20	+31 37 29.2	113
(1963)	1994 04 06.02753	14 08 25.80	+31 37 48.2	113

114 Engelhardt Observatory, Zelenchukskaya Station

T. V. Kryachko, Kazan University, Nizhnij Arkhyz, 357147 Stavropolskij Territory, Russia [timur@sao.stavropol.su]

0.40-m $f/1.5$ camera

1989 TT ₁₁	1994 10 03.77885	01 34 21.70	+09 57 53.0	114
1989 TT ₁₁	1994 10 03.83440	01 34 19.34	+09 57 39.0	114
1989 TT ₁₁	1994 10 04.81565	01 33 35.95	+09 52 49.6	114
1989 TT ₁₁	1994 10 05.79690	01 32 52.00	+09 47 57.8	114
1994 TZ ₁	* 1994 10 03.77885	01 32 11.95	+08 35 03.1	114
1994 TZ ₁	1994 10 03.83440	01 32 09.33	+08 34 53.6	114

1994 TZ ₁	1994 10 04.81565	01 31 20.73	+08 31 07.7	114
1994 TZ ₁	1994 10 05.79690	01 30 31.64	+08 27 20.8	114

323 Perth

M. P. Candy, Perth Observatory, Bickley, WA 6076, Australia

[astro@earwax.pd.uwa.edu.au]

Observers J. Bell, J. Biggs, G. Lowe, A. Verveer

0.3-m astrograph

(7)	1994 09 08.56250	16 50 36.24	-20 48 39.5	323
(7)	1994 09 09.49236	16 51 26.87	-20 49 23.8	323
(148)	1994 09 08.49931	16 29 51.75	+00 34 10.6	323
(148)	1994 09 09.56667	16 30 40.35	+00 23 33.4	323
(225)	1994 09 09.52778	15 36 58.12	-02 38 43.7	323
(1620)	1994 08 22.46215	09 39 39.89	-78 36 18.8	323
(1620)	1994 08 22.62448	09 42 18.66	-80 00 12.7	323
(1620)	1994 08 26.49028	21 24 00.65	-56 32 23.1	323
(1620)	1994 08 29.61736	21 26 27.07	-27 32 58.7	323
(1620)	1994 08 29.63611	21 26 26.13	-27 25 18.3	323
(1620)	1994 08 31.51215	21 27 17.31	-16 54 53.1	323
(1620)	1994 09 01.46944	21 27 36.79	-12 56 47.0	323
(1620)	1994 09 01.63056	21 27 32.46	-12 21 13.1	323

360 Kuma Kogen Astronomical Observatory

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

[gcc00404@niftyserve.or.jp]

0.60-m $f/6.0$ Ritchey-Chrétien + CCD

GSC

1973 QG ₂	1994 10 02.44010	20 24 12.06	-23 01 53.2	17.7 V	360
1973 QG ₂	1994 10 02.50035	20 24 13.29	-23 01 43.7		360
1973 QG ₂	1994 10 04.46875	20 25 00.01	-22 56 26.6		360
1973 QG ₂	1994 10 04.47986	20 25 00.25	-22 56 25.3		360
1979 QR ₁	1994 09 13.59392	23 13 15.93	-04 58 48.5	17.9 V	360
1979 QR ₁	1994 09 13.60955	23 13 15.16	-04 58 52.8		360
1979 QR ₁	1994 09 13.63785	23 13 13.78	-04 59 00.1		360
1994 LW	1994 09 25.45556	19 39 28.91	+30 40 15.5	c	360
1994 LW	1994 09 25.45990	19 39 29.86	+30 40 10.6	c	360
1994 LC ₁	1994 09 25.52778	23 08 27.86	-21 16 56.4	16.3 V	360
1994 LC ₁	1994 09 25.53090	23 08 27.83	-21 16 48.9		360
1994 QC	1994 09 25.50000	21 51 30.76	-21 09 38.2	18.3 V	360
1994 QC	1994 09 25.50313	21 51 30.89	-21 09 42.3		360
1994 QC	1994 10 02.52378	21 58 18.05	-23 20 20.6	18.8 V	360
1994 QC	1994 10 02.52813	21 58 18.28	-23 20 24.7		360
1994 RC	1994 09 25.49045	23 04 03.84	-02 31 40.7	18.7 V	360
1994 RC	1994 09 25.52222	23 04 03.06	-02 31 31.5		360
1994 RC	1994 10 02.51389	23 02 52.34	-02 01 20.0	19.5 V	360
1994 RC	1994 10 02.56111	23 02 51.96	-02 01 08.7		360
1994 RH	1994 09 25.51441	21 56 14.33	+04 31 22.4	17.2 V	360
1994 RH	1994 09 25.51736	21 56 14.03	+04 31 24.5		360

374 Minami-Oda

T. Nomura, 1-1-8, Yamate, Tarumi-Ku, Kobe 655, Japan

0.25-m $f/3.4$ Schmidt camera

GSC

1994 RC ₁₁	1994 10 02.65569	00 18 55.17	+00 40 27.2	374
1994 RC ₁₁	1994 10 02.67722	00 18 54.18	+00 40 20.5	374
1994 RC ₁₁	1994 10 02.68778	00 18 53.56	+00 40 17.6	374
1994 RC ₁₁	1994 10 06.61632	00 15 58.43	+00 23 17.1	374
1994 RC ₁₁	1994 10 06.63715	00 15 57.49	+00 23 11.3	374
1994 RC ₁₁	1994 10 06.64907	00 15 56.95	+00 23 06.1	374

397 Sapporo Science Center

K. Watanabe, Sapporo Science Center, 5 chome, atsubetsu cyuo 1 jo, Atsubetu-ku, Sapporo 004, Japan

0.20-m $f/6.0$ reflector + CCD

GSC

1990 QC ₁	1994 09 27.55913	00 18 58.88	+15 27 18.1	16.1 V	397
1990 QC ₁	1994 09 27.56250	00 18 58.75	+15 27 18.4		397
1990 QC ₁	1994 09 27.58227	00 18 57.27	+15 27 11.2		397
1990 TK ₃	1994 10 01.69190	01 21 49.16	-02 53 51.6	16.1 V	397
1990 TK ₃	1994 10 01.69883	01 21 48.77	-02 53 50.3		397
1990 TK ₃	1994 10 05.56200	01 17 23.42	-02 41 05.4	15.7 V	397
1990 TK ₃	1994 10 05.56432	01 17 23.28	-02 41 04.8		397
1990 TK ₃	1994 10 05.58363	01 17 21.85	-02 41 01.7		397
1990 UG ₃	1994 10 02.55611	00 00 09.86	-11 37 25.3	16.0 V	397
1990 UG ₃	1994 10 02.55934	00 00 09.59	-11 37 27.3		397
1990 UG ₃	1994 10 02.57774	00 00 08.59	-11 37 28.8		397
1990 UG ₃	1994 10 02.58069	00 00 08.36	-11 37 28.6		397
1990 UG ₃	1994 10 03.53431	23 59 16.22	-11 39 12.9	16.4 V	397
1990 UG ₃	1994 10 03.53645	23 59 15.96	-11 39 12.6		397
1990 UG ₃	1994 10 03.55715	23 59 14.88	-11 39 14.8		397
1991 BH ₂	1994 10 02.54774	00 03 12.37	+07 45 23.1	16.5 V	397
1991 BH ₂	1994 10 02.55108	00 03 12.23	+07 45 23.0		397
1991 BH ₂	1994 10 02.57269	00 03 10.91	+07 45 17.4		397
1991 BH ₂	1994 10 02.57493	00 03 10.91	+07 45 17.3		397
1991 YF	1994 10 03.62637	01 23 22.78	+24 24 55.7	17.0 V	397
1991 YF	1994 10 03.63069	01 23 22.55	+24 24 52.8		397
1991 YF	1994 10 03.63350	01 23 22.40	+24 24 53.4		397
1991 YF	1994 10 03.65221	01 23 21.13	+24 24 49.9		397
1991 YF	1994 10 05.59604	01 21 28.75	+24 18 47.8	16.7 V	397
1991 YF	1994 10 05.59902	01 21 28.62	+24 18 47.4		397
1991 YF	1994 10 05.61958	01 21 27.30	+24 18 43.0		397
1993 HL	1994 10 01.65013	01 42 17.49	-02 06 15.5	15.5 V	397
1993 HL	1994 10 01.65464	01 42 17.23	-02 06 15.6		397
1993 HL	1994 10 01.67062	01 42 16.29	-02 06 15.1		397
1993 HL	1994 10 01.67780	01 42 15.87	-02 06 15.3		397
1993 HL	1994 10 03.58320	01 40 29.52	-02 06 06.4	15.3 V	397
1993 HL	1994 10 03.58508	01 40 29.43	-02 06 06.8		397
1993 HL	1994 10 03.60401	01 40 28.33	-02 06 06.2		397
1993 HY	1994 10 03.59166	01 07 50.11	-01 38 33.8	17.2 V	397
1993 HY	1994 10 03.61088	01 07 48.96	-01 38 40.9		397
1993 HY	1994 10 05.55639	01 06 04.46	-01 49 05.6	16.5 V	397
1993 HY	1994 10 05.55850	01 06 04.40	-01 49 05.5		397
1993 HY	1994 10 05.57941	01 06 03.20	-01 49 13.9		397
1994 RC ₁	1994 10 05.53814	23 58 41.34	+02 05 14.4	16.4 V	397
1994 RC ₁	1994 10 05.54802	23 58 40.99	+02 05 10.4		397
1994 RC ₁	1994 10 05.57256	23 58 40.08	+02 04 56.7		397

(6093)	1994 09 01.61028	23 21 03.27	−03 29 44.0	16.1 V	397
(6093)	1994 09 01.62725	23 21 02.49	−03 29 53.4		397
(6093)	1994 09 03.61816	23 19 36.87	−03 47 34.3	15.7 V	397
(6093)	1994 09 03.63782	23 19 35.91	−03 47 46.2		397

399 Kushiro

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

Observer S. Ueda

Measurer H. Kaneda

0.25-m $f/3.4$ hyperboloid astrocamera

GSC

1989 TG	1994 10 01.45660	22 18 20.55	−06 55 30.1	16.5	399
1989 TG	1994 10 01.47778	22 18 19.97	−06 55 30.3		399
1989 TG	1994 10 02.46609	22 17 51.71	−06 55 48.1	16.8	399
1989 TG	1994 10 02.48125	22 17 51.12	−06 55 47.5		399
1989 WU ₂	1994 10 01.61111	00 34 12.45	−01 29 56.3	16.5	399
1989 WU ₂	1994 10 01.64479	00 34 10.84	−01 30 05.6		399
1991 UO ₄	1994 10 01.45660	22 18 54.36	−07 52 09.6	16.2	399
1991 UO ₄	1994 10 01.47778	22 18 53.65	−07 52 08.3		399
1991 UO ₄	1994 10 02.46609	22 18 28.25	−07 51 24.9	16.5	399
1991 UO ₄	1994 10 02.48125	22 18 27.89	−07 51 24.7		399
1993 FN ₁	1994 09 01.64028	23 12 58.29	−09 37 18.7	16	399
1993 FN ₁	1994 09 01.65486	23 12 57.63	−09 37 24.9		399
1993 FN ₁	1994 10 01.54306	22 53 09.35	−13 40 55.4	16.3	399
1993 FN ₁	1994 10 01.55903	22 53 08.94	−13 40 59.1		399
1993 FX ₇₉	1994 10 01.49595	22 41 04.69	−06 57 44.3	16.7	399
1993 FX ₇₉	1994 10 01.51458	22 41 04.04	−06 57 48.0		399
1993 FX ₇₉	1994 10 02.50116	22 40 38.73	−07 01 46.6	17	399
1993 FX ₇₉	1994 10 02.51667	22 40 38.22	−07 01 51.9		399
1994 QV	1994 10 01.49595	22 41 24.62	−08 24 37.1	15.5	399
1994 QV	1994 10 01.51458	22 41 23.79	−08 24 27.8		399
1994 QV	1994 10 02.50116	22 40 45.32	−08 15 22.3	15.5	399
1994 QV	1994 10 02.51667	22 40 44.69	−08 15 14.2		399
1994 RB ₁₁	1994 10 01.45660	22 20 53.78	−05 24 48.1	17	399
1994 RB ₁₁	1994 10 01.47778	22 20 53.25	−05 24 48.7		399
1994 RB ₁₁	1994 10 02.46609	22 20 29.30	−05 23 52.3	17	399
1994 RB ₁₁	1994 10 02.48125	22 20 28.88	−05 23 51.9		399
1994 RH ₁₁	1994 09 01.64028	23 10 29.41	−09 39 01.3	15.8	399
1994 RH ₁₁	1994 09 01.65486	23 10 28.71	−09 39 08.0		399
1994 RO ₁₁	* 1994 09 01.64028	23 05 31.01	−07 03 32.7	16.2	399
1994 RO ₁₁	1994 09 01.65486	23 05 30.18	−07 03 33.0		399
1994 RO ₁₁	1994 10 01.49595	22 36 37.00	−06 43 26.4	16.5	399
1994 RO ₁₁	1994 10 01.51458	22 36 36.02	−06 43 23.8		399
1994 RO ₁₁	1994 10 02.50116	22 35 53.59	−06 41 39.2	16.7	399
1994 RO ₁₁	1994 10 02.51667	22 35 52.78	−06 41 37.2		399
(4588)	1994 09 01.60556	22 35 51.78	−07 45 12.5	16.5	399
(4588)	1994 09 01.62014	22 35 51.01	−07 45 13.1		399
(4588)	1994 09 09.48819	22 29 09.16	−08 02 11.7	16.3	399
(4588)	1994 09 09.50347	22 29 08.41	−08 02 15.2		399
(6102)	1994 10 01.49595	22 32 17.08	−07 11 45.5	17	399
(6102)	1994 10 01.51458	22 32 16.62	−07 11 49.7		399

(6102)	1994 10 02.50116	22 31 53.43	−07 13 53.1	17	399
(6102)	1994 10 02.51667	22 31 53.04	−07 13 56.5		399

400 Kitami

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

Observer K. Endate

Measurer K. Watanabe

0.25-m $f/2.6$ Schmidt camera

GSC

1978 TO ₈	1994 10 02.66597	01 59 02.11	+12 26 51.4	16.0	400
1978 TO ₈	1994 10 02.68194	01 59 01.56	+12 26 48.7		400
1978 TO ₈	1994 10 03.62153	01 58 27.46	+12 23 22.8	16.0	400
1978 TO ₈	1994 10 03.63750	01 58 26.77	+12 23 19.1		400
1989 SD ₁	1994 10 02.63333	01 39 54.26	+04 44 21.0	17	400
1989 SD ₁	1994 10 02.64931	01 39 53.59	+04 44 15.6		400
1989 SD ₁	1994 10 03.58819	01 39 12.89	+04 39 55.1	17	400
1989 SD ₁	1994 10 03.60417	01 39 12.15	+04 39 51.5		400
1990 TM ₇	1994 10 02.66597	01 59 27.02	+10 26 39.7	16.5	400
1990 TM ₇	1994 10 02.68194	01 59 26.17	+10 26 39.6		400
1990 TM ₇	1994 10 03.62153	01 58 36.55	+10 25 35.7	16.5	400
1990 TM ₇	1994 10 03.63750	01 58 35.57	+10 25 35.1		400
1994 TL	* 1994 10 02.57153	01 12 16.70	+09 05 40.6	17	400
1994 TL	1994 10 02.58611	01 12 16.01	+09 05 34.7		400
1994 TL	1994 10 03.52569	01 11 24.26	+09 02 03.4	17	400
1994 TL	1994 10 03.54028	01 11 23.23	+09 02 01.0		400
1994 TM	* 1994 10 02.57153	01 13 18.09	+09 39 02.8	16.5	400
1994 TM	1994 10 02.58611	01 13 17.32	+09 38 57.2		400
1994 TM	1994 10 03.52569	01 12 22.81	+09 35 13.6	16.5	400
1994 TM	1994 10 03.54028	01 12 22.10	+09 35 12.2		400
1994 TN	* 1994 10 02.57153	01 15 31.10	+11 53 51.0	16.5	400
1994 TN	1994 10 02.58611	01 15 30.29	+11 53 46.1		400
1994 TN	1994 10 03.52569	01 14 42.21	+11 48 40.9	16.5	400
1994 TN	1994 10 03.54028	01 14 41.42	+11 48 36.3		400
1994 TO	* 1994 10 02.57153	01 18 22.28	+11 58 36.2	16.5	400
1994 TO	1994 10 02.58611	01 18 21.53	+11 58 37.3		400
1994 TO	1994 10 03.52569	01 17 24.37	+11 57 55.5	16.5	400
1994 TO	1994 10 03.54028	01 17 23.61	+11 57 56.3		400
1994 TP	* 1994 10 02.57153	01 19 43.58	+09 25 15.6	16.5	400
1994 TP	1994 10 02.58611	01 19 42.87	+09 25 06.8		400
1994 TP	1994 10 03.52569	01 19 05.51	+09 18 51.7	16.5	400
1994 TP	1994 10 03.54028	01 19 04.93	+09 18 45.5		400
1994 TQ	* 1994 10 02.57153	01 20 48.16	+07 52 13.9	17	400
1994 TQ	1994 10 02.58611	01 20 47.39	+07 52 10.5		400
1994 TQ	1994 10 03.52569	01 19 55.66	+07 49 01.6	17	400
1994 TQ	1994 10 03.54028	01 19 54.88	+07 48 58.7		400
1994 TR	* 1994 10 02.57153	01 23 03.29	+11 14 00.1	16.5	400
1994 TR	1994 10 02.58611	01 23 02.57	+11 13 57.7		400
1994 TR	1994 10 03.52569	01 22 14.96	+11 10 58.8	16.5	400
1994 TR	1994 10 03.54028	01 22 14.22	+11 10 56.9		400
1994 TS	* 1994 10 02.57153	01 23 46.79	+10 40 39.0	17	400
1994 TS	1994 10 02.58611	01 23 45.94	+10 40 35.4		400
1994 TS	1994 10 03.52569	01 22 52.29	+10 36 14.7	17	400

1994 TS	1994 10 03.54028	01 22 51.29	+10 36 11.1		400	1994 TG ₁	* 1994 10 02.63333	01 47 58.97	+05 36 52.9	16.5	400
1994 TT	* 1994 10 02.57153	01 24 02.47	+12 51 44.7	16.5	400	1994 TG ₁	1994 10 02.64931	01 47 57.89	+05 36 49.3		400
1994 TT	1994 10 02.58611	01 24 01.66	+12 51 44.1		400	1994 TG ₁	1994 10 03.58819	01 47 10.15	+05 34 39.7	16.5	400
1994 TT	1994 10 03.52569	01 23 14.12	+12 52 25.4	16.5	400	1994 TG ₁	1994 10 03.60417	01 47 09.32	+05 34 38.5		400
1994 TT	1994 10 03.54028	01 23 13.19	+12 52 23.8		400	1994 TH ₁	* 1994 10 02.63333	01 48 21.31	+02 17 29.8	16.5	400
1994 TU	* 1994 10 02.57153	01 29 57.26	+10 48 06.1	16.5	400	1994 TH ₁	1994 10 02.64931	01 48 20.74	+02 17 30.1		400
1994 TU	1994 10 02.58611	01 29 56.23	+10 48 04.5		400	1994 TH ₁	1994 10 03.58819	01 47 33.07	+02 16 56.7	16.5	400
1994 TU	1994 10 03.52569	01 29 05.56	+10 47 44.8	16.5	400	1994 TH ₁	1994 10 03.60417	01 47 32.15	+02 16 58.6		400
1994 TU	1994 10 03.54028	01 29 04.77	+10 47 44.8		400	1994 TJ ₁	* 1994 10 02.63333	01 49 23.57	+07 24 49.0	16.5	400
1994 TV	* 1994 10 02.57153	01 33 23.46	+11 30 13.4	16.0	400	1994 TJ ₁	1994 10 02.64931	01 49 23.02	+07 24 40.4		400
1994 TV	1994 10 02.58611	01 33 22.68	+11 30 08.1		400	1994 TJ ₁	1994 10 03.58819	01 48 54.49	+07 16 04.4	16.5	400
1994 TV	1994 10 03.52569	01 32 35.58	+11 24 59.9	16.0	400	1994 TJ ₁	1994 10 03.60417	01 48 53.89	+07 15 54.8		400
1994 TV	1994 10 03.54028	01 32 34.80	+11 24 55.2		400	1994 TK ₁	* 1994 10 02.63333	01 50 54.23	+08 18 55.4	16.5	400
1994 TW	* 1994 10 02.60278	01 15 30.82	+04 50 59.0	17	400	1994 TK ₁	1994 10 02.64931	01 50 53.45	+08 18 50.4		400
1994 TW	1994 10 02.61667	01 15 29.71	+04 51 02.0		400	1994 TK ₁	1994 10 03.58819	01 50 07.31	+08 14 04.1	16.5	400
1994 TW	1994 10 03.55625	01 14 26.95	+04 54 15.2	17	400	1994 TK ₁	1994 10 03.60417	01 50 06.67	+08 13 57.6		400
1994 TW	1994 10 03.57153	01 14 26.04	+04 54 17.0		400	1994 TL ₁	* 1994 10 02.63333	01 52 48.79	+02 58 14.2	16.5	400
1994 TX	* 1994 10 02.60278	01 16 37.63	+04 50 39.8	17	400	1994 TL ₁	1994 10 02.64931	01 52 48.01	+02 58 10.8		400
1994 TX	1994 10 02.61667	01 16 36.94	+04 50 37.6		400	1994 TL ₁	1994 10 03.58819	01 52 05.71	+02 54 31.5	16.5	400
1994 TX	1994 10 03.55625	01 15 51.99	+04 48 09.0	17	400	1994 TL ₁	1994 10 03.60417	01 52 05.05	+02 54 29.2		400
1994 TX	1994 10 03.57153	01 15 51.26	+04 48 05.7		400	1994 TM ₁	* 1994 10 02.63333	01 54 35.15	+05 41 09.6	16.5	400
1994 TY	* 1994 10 02.60278	01 18 10.74	+04 59 01.5	17	400	1994 TM ₁	1994 10 02.64931	01 54 34.33	+05 41 03.0		400
1994 TY	1994 10 02.61667	01 18 09.77	+04 59 06.2		400	1994 TM ₁	1994 10 03.58819	01 53 51.48	+05 35 30.9	16.5	400
1994 TY	1994 10 03.57153	01 17 07.81	+05 04 29.3	17	400	1994 TM ₁	1994 10 03.60417	01 53 50.91	+05 35 25.9		400
1994 TZ	* 1994 10 02.60278	01 20 29.16	+02 56 27.5	17	400	1994 TN ₁	* 1994 10 02.63333	01 54 51.52	+03 46 37.3	16.5	400
1994 TZ	1994 10 02.61667	01 20 28.66	+02 56 21.4		400	1994 TN ₁	1994 10 02.64931	01 54 50.71	+03 46 37.4		400
1994 TZ	1994 10 03.55625	01 19 50.65	+02 49 23.3	17	400	1994 TN ₁	1994 10 03.58819	01 54 07.53	+03 46 38.0	16.5	400
1994 TZ	1994 10 03.57153	01 19 50.34	+02 49 18.3		400	1994 TN ₁	1994 10 03.60417	01 54 06.80	+03 46 37.8		400
1994 TA ₁	* 1994 10 02.60278	01 22 54.45	+04 23 03.9	16.0	400	1994 TO ₁	* 1994 10 02.63333	01 56 07.72	+04 58 42.5	15.5	400
1994 TA ₁	1994 10 02.61667	01 22 53.08	+04 23 13.2		400	1994 TO ₁	1994 10 02.64931	01 56 06.99	+04 58 43.7		400
1994 TA ₁	1994 10 03.55625	01 21 18.52	+04 33 18.3	16.0	400	1994 TO ₁	1994 10 03.58819	01 55 26.18	+04 59 43.4	15.5	400
1994 TA ₁	1994 10 03.57153	01 21 17.02	+04 33 29.8		400	1994 TO ₁	1994 10 03.60417	01 55 25.39	+04 59 45.0		400
1994 TB ₁	* 1994 10 02.60278	01 23 16.67	+00 16 10.4	16.0	400	1994 TP ₁	* 1994 10 02.63333	01 57 23.71	+02 27 47.1	16.5	400
1994 TB ₁	1994 10 02.61667	01 23 15.76	+00 16 07.6		400	1994 TP ₁	1994 10 02.64931	01 57 23.03	+02 27 41.4		400
1994 TB ₁	1994 10 03.55625	01 22 24.69	+00 14 16.6	16.0	400	1994 TP ₁	1994 10 03.58819	01 56 46.45	+02 21 49.1	16.5	400
1994 TB ₁	1994 10 03.57153	01 22 23.80	+00 14 14.5		400	1994 TP ₁	1994 10 03.60417	01 56 45.87	+02 21 42.1		400
1994 TC ₁	* 1994 10 02.63333	01 39 48.66	+04 37 20.1	17	400	1994 TQ ₁	* 1994 10 02.63333	02 02 35.36	+05 09 08.9	17	400
1994 TC ₁	1994 10 02.64931	01 39 47.92	+04 37 18.0		400	1994 TQ ₁	1994 10 02.64931	02 02 34.60	+05 09 05.5		400
1994 TC ₁	1994 10 03.58819	01 38 56.44	+04 36 21.1	17	400	1994 TQ ₁	1994 10 03.58819	02 01 43.77	+05 06 22.6	17	400
1994 TC ₁	1994 10 03.60417	01 38 55.48	+04 36 20.0		400	1994 TQ ₁	1994 10 03.60417	02 01 43.07	+05 06 18.1		400
1994 TD ₁	* 1994 10 02.63333	01 43 38.43	+05 40 11.6	16.5	400	1994 TR ₁	* 1994 10 02.66597	01 43 21.42	+13 50 13.5	16.5	400
1994 TD ₁	1994 10 02.64931	01 43 37.72	+05 40 06.6		400	1994 TR ₁	1994 10 02.68194	01 43 20.68	+13 49 59.8		400
1994 TD ₁	1994 10 03.58819	01 42 57.34	+05 35 28.1	16.5	400	1994 TR ₁	1994 10 03.62153	01 42 44.36	+13 37 14.6	16.5	400
1994 TD ₁	1994 10 03.60417	01 42 56.76	+05 35 21.8		400	1994 TR ₁	1994 10 03.63750	01 42 43.62	+13 36 59.4		400
1994 TE ₁	* 1994 10 02.63333	01 43 57.57	+02 54 21.8	17	400	1994 TS ₁	* 1994 10 02.66597	01 44 11.83	+14 22 19.9	16.5	400
1994 TE ₁	1994 10 02.64931	01 43 56.76	+02 54 14.6		400	1994 TS ₁	1994 10 02.68194	01 44 10.87	+14 22 19.3		400
1994 TE ₁	1994 10 03.58819	01 43 11.04	+02 47 48.2	17	400	1994 TS ₁	1994 10 03.62153	01 43 20.19	+14 21 51.3	16.5	400
1994 TE ₁	1994 10 03.60417	01 43 10.25	+02 47 41.7		400	1994 TS ₁	1994 10 03.63750	01 43 19.26	+14 21 48.5		400
1994 TF ₁	* 1994 10 02.63333	01 47 52.11	+02 52 48.0	16.5	400	4098 T-1	1994 10 02.60278	01 22 22.33	+04 28 55.4	16.0	400
1994 TF ₁	1994 10 02.64931	01 47 51.47	+02 52 45.7		400	4098 T-1	1994 10 02.61667	01 22 21.50	+04 28 54.2		400
1994 TF ₁	1994 10 03.58819	01 47 09.45	+02 50 24.7	16.5	400	4098 T-1	1994 10 03.55625	01 21 24.91	+04 27 34.2	16.0	400
1994 TF ₁	1994 10 03.60417	01 47 08.65	+02 50 23.6		400	4098 T-1	1994 10 03.57153	01 21 24.16	+04 27 33.0		400

3398 T-3	1994 10 02.60278	01 17 10.61	+04 57 04.2	17	400
3398 T-3	1994 10 02.61667	01 17 09.86	+04 56 57.8		400
3398 T-3	1994 10 03.55625	01 16 22.04	+04 50 35.3	17	400
3398 T-3	1994 10 03.57153	01 16 21.54	+04 50 29.6		400
(4247)	1994 10 02.60278	01 16 15.90	+04 37 05.2	17	400
(4247)	1994 10 02.61667	01 16 15.18	+04 37 01.6		400

410 Sengamine

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

0.20-m $f/6.0$ reflector + CCD

GSC

1994 RC ₁₁	1994 10 01.58083	00 19 43.95	+00 45 11.8	16.5 V	410
1994 RC ₁₁	1994 10 01.58876	00 19 43.58	+00 45 09.8		410
1994 RC ₁₁	1994 10 01.59779	00 19 43.13	+00 45 07.9		410

413 Siding Spring

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Australia [rmn@aaocbn1.aao.gov.au]

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

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

M. Hartley, T. G. Hawarden, R. H. McNaught, Q. A. Parker, D. I. Steel

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

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

1986 DA	1977 07 17.67267	22 02 22.60	-18 31 27.2	18.5 V	F 413
1986 DA	1977 07 17.72128	22 02 19.91	-18 31 47.0		F 413
1989 SL ₅	1994 06 18.59514	16 08 33.05	+20 28 46.3		F 413
1989 SL ₅	1994 06 18.59719	16 08 32.96	+20 28 44.4		F 413
1989 SL ₅	1994 06 18.60074	16 08 32.71	+20 28 43.7		F 413
1993 MO	1983 12 29.52569	04 10 47.44	-02 22 50.7		413
1993 MO	1983 12 29.56736	04 10 44.76	-02 22 04.3		413
1993 VA	1994 06 18.58556	15 34 06.92	-04 29 13.5		413
1993 VA	1994 06 18.58771	15 34 06.80	-04 29 14.7		413
1993 VA	1994 06 18.59054	15 34 06.66	-04 29 16.1		413
1993 VW	1994 06 18.60994	16 12 23.18	-09 22 45.4		413
1993 VW	1994 06 18.61191	16 12 23.10	-09 22 45.1		413
1993 VW	1994 06 18.61389	16 12 23.04	-09 22 44.8		413
1994 FD	1994 05 02.55730	11 37 47.75	+01 14 21.6	18 V	413
1994 FD	1994 05 02.56363	11 37 47.55	+01 14 16.4		413
1994 FD	1994 05 02.56733	11 37 47.43	+01 14 13.7		413
1994 FD	1994 05 02.57104	11 37 47.33	+01 14 11.1		413
1994 GA	1994 06 18.41681	10 17 17.41	-10 56 05.6		F 413
1994 GA	1994 06 18.41922	10 17 17.60	-10 56 05.3		F 413
1994 RD ₁₁	* 1994 09 10.57519	22 40 15.92	-17 15 01.9	18 V	413
1994 RD ₁₁	1994 09 10.58907	22 40 15.20	-17 15 20.9		413
1994 RD ₁₁	1994 09 10.60220	22 40 14.49	-17 15 42.4		413
1994 RD ₁₁	1994 09 10.61609	22 40 13.76	-17 16 01.9		413
1994 RD ₁₁	1994 09 17.65289	22 35 06.74	-20 03 03.0		413
1994 RD ₁₁	1994 09 17.65462	22 35 06.68	-20 03 05.1		413
1994 RD ₁₁	1994 09 18.45592	22 34 36.09	-20 20 35.8		413
1994 RE ₁₁	* 1994 09 11.60569	00 01 50.04	-00 19 28.0	17.5 V	413
1994 RE ₁₁	1994 09 11.64736	00 01 49.69	-00 20 21.2		413
1994 RE ₁₁	1994 09 17.54311	00 01 30.62	-02 35 44.7		413

1994 RE ₁₁	1994 09 17.54513	00 01 30.61	-02 35 47.5		413
1994 RE ₁₁	1994 09 17.74863	00 01 28.65	-02 40 35.0		413
1994 RE ₁₁	1994 09 17.75134	00 01 28.63	-02 40 38.9		413
1994 RE ₁₁	1994 09 18.46339	00 01 26.03	-02 57 27.6		413
1994 RE ₁₁	1994 09 18.46718	00 01 25.99	-02 57 33.0		413
1994 RE ₁₁	1994 09 18.75520	00 01 23.15	-03 04 22.7		413
1994 RE ₁₁	1994 09 18.75696	00 01 23.14	-03 04 24.9		413
1994 RF ₁₁	* 1994 09 11.60569	23 52 41.89	-01 48 16.3	17.5 V	413
1994 RF ₁₁	1994 09 11.64736	23 52 37.44	-01 47 49.0		413
1994 RF ₁₁	1994 09 18.55335	23 40 28.77	-00 33 19.6		413
1994 RF ₁₁	1994 09 18.55960	23 40 28.07	-00 33 15.6		413
1994 RF ₁₁	1994 10 04.53107	23 14 36.50	+02 09 42.4		V 413
1994 SE	* 1994 09 25.39088	21 08 04.28	-37 29 30.5	17 V	413
1994 SE	1994 09 25.43255	21 08 08.82	-37 28 40.1		413
1994 SE	1994 10 03.54584	21 24 31.42	-34 35 06.1		413
1994 SE	1994 10 04.51378	21 26 32.92	-34 13 13.5		413
1994 SE	1994 10 05.44943	21 28 31.35	-33 51 51.6		413
1994 SF	* 1994 09 25.55847	00 16 00.08	-19 30 53.0	13.5 V	413
1994 SF	1994 09 25.62097	00 15 56.12	-19 30 47.2		413
1994 SF	1994 10 03.71671	00 07 43.93	-19 09 14.2		413
1994 SF	1994 10 04.54845	00 06 55.96	-19 05 54.4	14.0 V	413
1994 SF	1994 10 05.46288	00 06 03.62	-19 01 58.6		413
1994 TK	* 1994 10 03.71883	03 31 37.18	-36 37 14.1	17 V	413
1994 TK	1994 10 04.55992	03 31 39.67	-36 49 50.1		413
1994 TK	1994 10 05.66282	03 31 39.38	-37 06 02.4		413
1994 TK	1994 10 05.72930	03 31 39.10	-37 07 00.6		413
1994 TW ₁	1994 10 10.41501	21 43 24.77	-30 46 14.9	16 V	F 413
1994 TW ₁	1994 10 10.47751	21 43 17.09	-30 43 40.1		F 413
1994 TF ₂	* 1994 10 05.49170	00 15 45.80	-27 42 13.4	18 V	413
1994 TF ₂	1994 10 05.54031	00 15 37.97	-27 46 06.4		413
1994 TF ₂	1994 10 11.61626	00 00 53.56	-34 54 12.3	18 V	413
1994 TF ₂	1994 10 11.62321	00 00 52.60	-34 54 35.1		413
1994 TF ₂	1994 10 12.67933	23 58 25.49	-35 58 16.3		413
4261 T-2	1993 04 16.52653	11 56 26.21	+05 49 11.5	18.2	3 413
(2061)	1994 06 18.62132	17 03 10.75	-15 51 37.5		413
(2061)	1994 06 18.62336	17 03 10.54	-15 51 36.9		413
(6050)	1994 06 18.61645	16 21 16.46	-18 57 18.4		413
(6050)	1994 06 18.61917	16 21 16.24	-18 57 18.4		413

417 Yanagida Astronomical Observatory

A. Tsuchikawa, Robu 1-1, Kanmachi, Fugeshi-gun, Ishikawa-ken, 928-03, Japan

Observer A. Tsuchikawa

Measurer O. Muramatsu

0.25-m $f/3.4$ reflector

GSC

 $\lambda = 137^\circ 1371$, $\rho \cos \phi' = 0.79611$, $\rho \sin \phi' = +0.60317$ (see *MPC* 22434)

(672) 1994 09 13.65590 02 02 11.43 +22 39 45.1 16.0 417

(672) 1994 09 13.68918 02 02 10.42 +22 39 53.2 16.0 b 417

474 Mount John

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

[phys162@csc.canterbury.ac.nz]

Observer A. C. Gilmore

Measurer P. M. Kilmartin

0.6-m $f/14$ Cassegrain reflector

SAOC, CPZ, field plates from Carter Observatory

1994 TF₂ 1994 10 07.50347 00 10 47.20 -30 15 34.8 19.3 474

477 Galleywood

M. Mobberley, Denmara, Cross Green, Cockfield, Bury St. Edmunds, Suffolk,
IP30 0LQ, England [100413.760@compuserve.com]

0.49-m $f/4.5$ reflector + CCD

(5732) 1994 10 04.88383 21 32 17.87 +17 50 24.1 477

493 Calar Alto

K. Birkle, Max-Planck-Institut für Astronomie, Königstuhl, D-69029 Heidelberg,
Germany [birkle@caha.es]

Observers K. Birkle, H. Boehnhardt, J. Schramm

Measurer K. Birkle

3.5-m reflector + CCD, 1.2-m reflector + CCD

1993 RB ₁₅	* 1993 09 15.83633	23 58 51.21	+16 13 25.7	21	R	493
1993 RB ₁₅	1993 09 15.85402	23 58 50.46	+16 13 16.6			493
1993 RB ₁₅	1993 09 16.17700	23 58 36.39	+16 10 24.0			493
1993 RB ₁₅	1993 09 16.19192	23 58 35.77	+16 10 15.3			493
1993 RB ₁₅	1993 09 16.86862	23 58 08.08	+16 04 03.3			493
1993 RB ₁₅	1993 09 17.17262	23 57 54.61	+16 01 13.1			493
1993 RB ₁₅	1993 09 17.18770	23 57 54.02	+16 01 05.7			493
1993 SP ₁₄	* 1993 09 16.17700	23 58 45.02	+16 05 43.2	22	R	493
1993 SP ₁₄	1993 09 16.19192	23 58 44.27	+16 05 39.5			493
1993 SP ₁₄	1993 09 16.83843	23 58 12.93	+16 02 59.9			493
1993 SP ₁₄	1993 09 16.86862	23 58 11.41	+16 02 52.6			493
1993 SP ₁₄	1993 09 17.17262	23 57 55.78	+16 01 35.0			493
1993 SP ₁₄	1993 09 17.18770	23 57 55.09	+16 01 31.9			493
1993 XH ₃	* 1993 12 02.79965	23 55 15.65	+15 24 47.1	18		493
1993 XH ₃	1993 12 04.84861	23 56 39.03	+15 17 47.2			493
1993 XH ₃	1993 12 06.85661	23 58 05.42	+15 11 38.7			493
1993 XH ₃	1993 12 06.89047	23 58 06.92	+15 11 32.6			493
1993 XH ₃	1993 12 06.94551	23 58 09.26	+15 11 22.9			493

494 Stakenbridge

B. G. W. Manning, Moonrakers, Stakenbridge, Churchill, Kidderminster, Worcs.

DY10 3LS, England [bgwm@star.sr.bham.ac.uk]

0.2-m $f/6.5$ reflector + CCD, 0.26-m $f/7.3$ reflector + CCD

PPM

1981 UD ₂	1994 10 04.96004	00 25 51.36	+17 31 53.2	494
1981 UD ₂	1994 10 04.97781	00 25 50.49	+17 31 42.0	494
1991 AF ₁	1994 10 04.96004	00 27 15.14	+17 46 22.2	494
1991 AF ₁	1994 10 04.97781	00 27 14.29	+17 46 17.8	494

540 Linz

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

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

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

GSC

1991 BY ₂	1994 09 23.80843	19 08 00.88	-06 09 04.5	16.3 R	I 540
1991 BY ₂	1994 09 23.81315	19 08 00.91	-06 09 01.8	16.3 R	I 540
1991 BY ₂	1994 09 23.81832	19 08 00.96	-06 08 54.4	16.8 R	540
1991 BY ₂	1994 09 28.82112	19 09 10.38	-04 35 31.7	17.2 R	I 540
1991 BY ₂	1994 09 28.82634	19 09 10.37	-04 35 26.5	17.3 R	540
1991 BY ₂	1994 09 28.83053	19 09 10.53	-04 35 20.4	17.5 R	540
1994 RH	1994 09 28.86097	21 50 59.04	+05 15 55.2	16.8 R	540
1994 RH	1994 09 28.86522	21 50 58.62	+05 15 57.5	16.8 R	540
1994 RH	1994 09 28.86941	21 50 58.23	+05 16 00.6	16.8 R	540
1994 RH	1994 10 08.92729	21 38 38.29	+07 25 12.3	17.2 R	540
1994 RH	1994 10 08.93289	21 38 37.92	+07 25 16.8	17.0 R	540
1994 RH	1994 10 08.93880	21 38 37.59	+07 25 21.1	17.1 R	540
(225)	1994 09 20.76647	15 52 12.49	-03 46 11.2	15.4 R	540
(225)	1994 09 20.76787	15 52 12.60	-03 46 12.5	15.5 R	540
(225)	1994 09 20.77344	15 52 13.07	-03 46 14.3	15.3 R	540
(1474)	1994 09 20.79347	02 38 10.03	+63 56 02.6	14.2 R	540
(1474)	1994 09 20.79476	02 38 10.20	+63 56 06.0	14.2 R	540
(1474)	1994 09 20.79612	02 38 10.37	+63 56 09.8	14.1 R	540
(1474)	1994 09 23.84661	02 45 00.46	+66 04 50.5	14.7 R	540
(1474)	1994 09 23.84809	02 45 00.66	+66 04 54.1	14.7 R	540
(1474)	1994 09 23.85156	02 45 01.16	+66 05 03.3	14.7 R	540
(1620)	1994 09 20.80479	21 35 41.48	+09 42 20.2	13.0 R	540
(1620)	1994 09 20.80585	21 35 41.51	+09 42 21.1	13.0 R	540
(1620)	1994 09 20.81003	21 35 41.60	+09 42 25.3	12.9 R	540
(1620)	1994 10 08.96079	21 50 38.24	+12 24 07.7	15.3 R	540
(1620)	1994 10 08.96477	21 50 38.44	+12 24 08.2	15.1 R	540
(1620)	1994 10 08.96780	21 50 38.63	+12 24 09.0	15.0 R	540
(2212)	1994 09 28.88319	01 42 41.12	+02 29 12.3	15.3 R	540
(2212)	1994 09 28.88428	01 42 40.88	+02 29 11.7	15.3 R	540
(2212)	1994 09 28.88639	01 42 40.42	+02 29 10.3	15.4 R	540
(2212)	1994 10 08.94694	01 10 02.66	+01 04 32.2	15.3 R	540
(2212)	1994 10 08.94835	01 10 02.43	+01 04 31.4	15.3 R	540
(2212)	1994 10 08.94972	01 10 02.20	+01 04 31.0	15.3 R	540
(5261)	1994 10 08.97898	01 02 38.03	+50 41 18.1	16.8 R	540
(5261)	1994 10 08.98460	01 02 37.72	+50 41 11.3	17.0 R	540

553 Chorzów

I. Włodarczyk, Astronomical Observatory of the Chorzów Planetarium, PL-41501 Chorzów, Poland

Observers S. Janta, J. Kuczyński

Measurers I. Włodarczyk, A. Kowal, A. Wypiór

0.2-m $f/5$ Zeiss astrocamera Sonnfefeld

PPM

(6)	1994 07 21.85016	15 06 58.69	+00 08 36.2	553
(6)	1994 07 21.86160	15 06 58.71	+00 08 30.9	553
(6)	1994 07 21.87531	15 06 59.21	+00 08 21.0	553
(6)	1994 07 24.85428	15 07 53.33	-00 16 21.6	553
(6)	1994 07 24.86747	15 07 53.89	-00 16 33.5	553
(6)	1994 07 24.88302	15 07 53.88	-00 16 36.3	553

557 Ondřejov

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

0.65-m $f/3.6$ reflector + CCD
GSC

1989 VA	1994 10 05.06093	06 49 58.03	+37 55 27.7		557
1989 VA	1994 10 05.08215	06 49 56.99	+37 55 03.0	18.4 V	557
1989 VA	1994 10 07.06006	06 48 24.30	+37 13 34.0	18.2 V	557
1989 VA	1994 10 11.12339	06 44 12.61	+35 38 20.4	18.1 V	557
1989 VA	1994 10 11.17417	06 44 08.52	+35 37 03.3		557
1989 VA	1994 10 11.17734	06 44 08.26	+35 36 58.2		557

560 Madonna di Dossobuono

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

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

0.40-m $f/3.5$ reflector + CCD
GSC

1988 CN ₄	1994 10 04.87762	22 21 18.50	-03 33 03.6		560
1988 CN ₄	1994 10 04.89272	22 21 17.84	-03 33 09.7		560
1988 CN ₄	1994 10 04.90803	22 21 17.43	-03 33 14.6		560
1988 CF ₇	1994 08 25.88554	20 02 01.92	-06 40 18.9		560
1988 CF ₇	1994 08 25.89549	20 02 01.57	-06 40 22.3		560
1988 CF ₇	1994 08 25.90675	20 02 01.17	-06 40 25.9		560
1988 CF ₇	1994 08 26.84156	20 01 35.90	-06 44 30.9		560
1988 CF ₇	1994 08 26.85058	20 01 35.61	-06 44 35.0		560
1988 CF ₇	1994 08 26.86306	20 01 35.26	-06 44 37.2		560
1990 TR ₁₂	1994 08 08.91341	19 40 26.63	-08 07 33.4		560
1990 TR ₁₂	1994 08 08.92799	19 40 26.13	-08 07 36.1		560
1990 TR ₁₂	1994 08 08.93699	19 40 25.70	-08 07 37.6		560
1990 TR ₁₂	1994 08 09.85873	19 39 49.89	-08 09 38.8		560
1990 TR ₁₂	1994 08 09.87163	19 39 49.27	-08 09 40.8		560
(755)	1994 10 04.85369	21 49 35.93	-11 39 29.6		560
(755)	1994 10 04.86021	21 49 35.85	-11 39 30.5		560
(1620)	1994 09 04.83833	21 28 32.42	-03 36 18.7		560
(1620)	1994 09 04.84212	21 28 32.36	-03 35 50.9		560
(1620)	1994 09 04.84727	21 28 32.32	-03 35 12.7		560
(3138)	1994 09 27.88575	22 25 34.91	-02 59 52.6		560
(3138)	1994 09 27.91312	22 25 33.98	-03 00 02.8		560
(3138)	1994 09 27.93822	22 25 33.01	-03 00 13.1		560
(3138)	1994 10 04.87010	22 22 03.57	-03 42 04.8		560
(3138)	1994 10 04.88517	22 22 03.21	-03 42 10.6		560
(3138)	1994 10 04.90030	22 22 02.80	-03 42 14.7		560
(6085)	1994 09 27.89506	22 24 41.71	-02 52 14.3		560
(6085)	1994 09 27.92186	22 24 41.02	-02 52 30.2		560
(6085)	1994 09 27.94630	22 24 40.45	-02 52 41.2		560
(6085)	1994 10 04.87010	22 23 01.52	-03 48 35.1		560
(6085)	1994 10 04.88517	22 23 01.37	-03 48 41.2		560
(6085)	1994 10 04.90030	22 23 01.17	-03 48 48.0		560

568 Mauna Kea Observatory

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

U.S.A. [jewitt@galileo.ifa.hawaii.edu]

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

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

Observers D. Jewitt, J. Luu, J. Chen, G. Knopp, D. J. Tholen, R. Whiteley

10-m Keck reflector + CCD, 2.24-m reflector + CCD
GSC

1986 DA	1994 10 05.57088	04 31 39.90	+20 53 43.1	21.3 V	568
1986 DA	1994 10 05.61094	04 31 39.54	+20 53 43.6		568
1993 SB	1994 09 10.3866	00 02 22.47	+00 27 55.7	22 R	568
1993 SB	1994 09 10.4648	00 02 22.02	+00 27 52.4		568
1993 SB	1994 09 10.5128	00 02 21.76	+00 27 51.1		568
1993 SB	1994 09 10.5601	00 02 21.49	+00 27 49.4		568
1993 SB	1994 09 29.4085	00 00 35.99	+00 16 38.4		568
1993 SB	1994 09 29.4445	00 00 35.79	+00 16 37.2		568
1994 TA	* 1994 10 02.4782	01 16 12.66	+02 38 00.9	22.5 R	568
1994 TA	1994 10 02.5031	01 16 12.38	+02 37 58.9		568
1994 TA	1994 10 02.5308	01 16 12.06	+02 37 56.7		568
1994 TA	1994 10 03.5934	01 16 00.13	+02 36 34.8		568
1994 TA	1994 10 03.5994	01 16 00.08	+02 36 34.6		568
1994 TA	1994 10 03.6052	01 16 00.00	+02 36 33.9		568
1994 TA	1994 10 04.48275	01 15 49.93	+02 35 29.2		568
1994 TA	1994 10 04.58204	01 15 48.77	+02 35 21.6		568
1994 TA	1994 10 05.48008	01 15 38.54	+02 34 14.0		568
1994 TA	1994 10 05.54387	01 15 37.79	+02 34 09.2		568
1994 TB	* 1994 10 02.2459	23 14 13.75	+02 42 51.0	21.5 R	568
1994 TB	1994 10 02.2730	23 14 13.60	+02 42 49.9		568
1994 TB	1994 10 02.3127	23 14 13.40	+02 42 48.6		568
1994 TB	1994 10 02.4492	23 14 12.64	+02 42 43.4		568
1994 TB	1994 10 02.4573	23 14 12.59	+02 42 43.3		568
1994 TB	1994 10 02.4621	23 14 12.56	+02 42 43.2		568
1994 TB	1994 10 03.2377	23 14 08.43	+02 42 15.0		568
1994 TB	1994 10 03.5325	23 14 06.83	+02 42 03.9		568
1994 TB	1994 10 03.5388	23 14 06.82	+02 42 03.8		568
1994 TG	* 1994 10 03.4196	00 32 49.68	+02 37 55.0	23 R	568
1994 TG	1994 10 03.4445	00 32 49.52	+02 37 54.2		568
1994 TG	1994 10 03.4744	00 32 49.40	+02 37 53.0		568
1994 TG	1994 10 03.5453	00 32 49.05	+02 37 51.5		568
1994 TG	1994 10 03.5565	00 32 49.01	+02 37 50.8		568
1994 TG	1994 10 03.5785	00 32 48.94	+02 37 50.6		568
1994 TG	1994 10 06.4328	00 32 36.10	+02 36 33.1		568
1994 TG	1994 10 06.4391	00 32 36.04	+02 36 32.9		568
1994 TH	* 1994 10 03.4292	00 34 05.92	+02 38 35.8	23 R	568
1994 TH	1994 10 03.4613	00 34 05.78	+02 38 35.3		568
1994 TH	1994 10 03.4837	00 34 05.65	+02 38 34.9		568
1994 TH	1994 10 03.5862	00 34 05.16	+02 38 31.9		568
1994 TH	1994 10 06.4489	00 33 51.66	+02 37 17.6		568
1994 TH	1994 10 06.4551	00 33 51.61	+02 37 17.2		568

587 Sormano

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

[sormano@icil64.cilea.it]

Observers P. Sicoli, V. Giuliani, A. Testa, P. Ghezzi

0.5-m reflector + CCD

GSC

1993 JK ₁	1994 09 15.89799	22 24 22.50	-09 06 43.2		587
1993 JK ₁	1994 09 15.91188	22 24 21.97	-09 06 46.6		587

1993 JK ₁	1994 09 27.89992	22 17 18.19	-09 45 41.9	587
1993 JK ₁	1994 09 27.92292	22 17 17.60	-09 45 44.0	587
1993 JK ₁	1994 10 01.94340	22 15 33.51	-09 55 18.1	587
1993 JK ₁	1994 10 01.96340	22 15 32.97	-09 55 19.7	587
1993 JK ₁	1994 10 04.83859	22 14 32.38	-10 00 57.0	587
1993 JK ₁	1994 10 04.85856	22 14 31.93	-10 00 59.0	587
1994 LW	1994 09 09.81817	18 42 44.64	+34 27 54.6	587
1994 LW	1994 09 09.83761	18 42 48.80	+34 27 42.0	587
1994 RZ	1994 09 15.87245	23 10 18.50	-04 37 39.9	587
1994 RZ	1994 09 15.87940	23 10 18.07	-04 37 41.1	587
1994 RZ	1994 10 04.82273	22 56 52.04	-05 23 19.0	587
1994 RZ	1994 10 04.87183	22 56 50.54	-05 23 23.4	587
1994 RZ	1994 10 10.80339	22 54 28.37	-05 28 04.4	587
1994 RZ	1994 10 10.81417	22 54 28.05	-05 28 06.4	587
1994 RN ₁₁	* 1994 09 09.91433	22 28 07.60	-15 34 49.2	587
1994 RN ₁₁	1994 09 09.94388	22 28 05.90	-15 34 54.9	587
1994 RN ₁₁	1994 09 09.95329	22 28 05.30	-15 34 55.9	587
1994 RN ₁₁	1994 09 10.88690	22 27 11.45	-15 37 21.5	18.4 V 587
1994 RN ₁₁	1994 09 10.88936	22 27 11.35	-15 37 20.7	587
1994 TC	* 1994 10 04.86481	22 14 48.03	-10 04 48.0	587
1994 TC	1994 10 04.89978	22 14 47.74	-10 05 26.4	17.7 V 587
1994 TC	1994 10 04.92255	22 14 47.60	-10 05 50.4	587
1994 TC	1994 10 05.82431	22 14 43.98	-10 21 55.9	587
1994 TC	1994 10 05.83819	22 14 43.96	-10 22 10.8	587
1994 TC	1994 10 10.78148	22 14 53.17	-11 45 02.1	587
1994 TC	1994 10 10.78860	22 14 53.32	-11 45 09.0	587
1994 TD	* 1994 10 04.94818	01 59 49.07	+09 24 45.4	17.6 V 587
1994 TD	1994 10 04.96172	01 59 48.64	+09 24 39.3	587
1994 TD	1994 10 05.90451	01 59 11.94	+09 19 50.0	587
1994 TD	1994 10 05.91941	01 59 11.26	+09 19 46.4	587
1994 TD	1994 10 10.90337	01 55 46.13	+08 53 18.0	587
1994 TD	1994 10 10.91522	01 55 45.65	+08 53 13.8	587
2560 P-L	1994 10 01.96902	22 15 38.33	-10 13 52.8	587
2560 P-L	1994 10 01.97249	22 15 38.12	-10 13 53.9	587
2560 P-L	1994 10 01.99381	22 15 37.66	-10 13 58.7	587
2560 P-L	1994 10 04.90700	22 14 41.05	-10 20 49.2	587
2560 P-L	1994 10 04.91821	22 14 40.88	-10 20 50.0	587
2560 P-L	1994 10 05.82431	22 14 25.77	-10 22 45.5	587
2560 P-L	1994 10 05.83819	22 14 25.61	-10 22 46.9	587
(5086)	1994 09 27.83054	23 01 52.82	-05 05 36.8	587
(5086)	1994 09 27.85555	23 01 51.67	-05 05 46.1	587
(5086)	1994 10 01.87668	22 59 12.67	-05 32 02.8	16.8 V 587
(5086)	1994 10 01.88918	22 59 12.21	-05 32 07.3	587

589 Santa Lucia Stroncone

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

[vagnozzi@astrom.astro.it]

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

0.50-m $f/2.8$ Ritchey-Chrétien + CCD

GSC

1994 RG	1994 09 24.76416	21 33 25.58	-10 01 57.1	18.9 V 589
1994 RG	1994 09 24.79506	21 33 25.17	-10 02 02.0	589
1994 RG	1994 10 07.78753	21 33 22.61	-10 27 19.6	19.5 V 589

1994 RG	1994 10 07.87847	21 33 23.49	-10 27 24.7	589
1994 RJ	1994 09 10.79932	21 38 47.83	-08 46 40.6	19.1 V 589
1994 RJ	1994 09 10.80976	21 38 47.40	-08 46 41.9	589
1994 RJ	1994 09 24.81884	21 34 08.96	-09 45 56.6	18.8 V 589
1994 RJ	1994 09 24.85258	21 34 08.54	-09 46 05.0	589
1994 RJ	1994 09 28.79253	21 33 53.90	-09 58 04.6	589
1994 RJ	1994 09 28.82344	21 33 53.88	-09 58 08.9	589
1994 RJ	1994 09 28.88186	21 33 53.85	-09 58 18.1	589
1994 RN	1994 10 04.83518	22 20 11.51	-09 18 29.3	19.8 V 589
1994 RN	1994 10 04.84549	22 20 11.31	-09 18 31.1	589
1994 RN	1994 10 04.85579	22 20 11.08	-09 18 35.0	589
1994 RN	1994 10 08.80508	22 19 06.49	-09 35 21.5	20.3 V 589
1994 RN	1994 10 08.84915	22 19 05.80	-09 35 30.9	589
1994 SC	* 1994 09 24.81884	21 34 42.71	-09 48 23.9	17.9 V 589
1994 SC	1994 09 24.85258	21 34 42.16	-09 48 32.1	589
1994 SC	1994 09 28.79253	21 34 03.27	-10 03 03.3	589
1994 SC	1994 09 28.82344	21 34 03.02	-10 03 11.0	589
1994 SC	1994 09 28.88186	21 34 02.59	-10 03 23.5	589
1994 SC	1994 10 04.77755	21 33 57.22	-10 20 34.4	18.3 V 589
1994 SC	1994 10 04.78951	21 33 57.19	-10 20 36.1	589
1994 SC	1994 10 04.79981	21 33 57.25	-10 20 37.8	589
1994 SC	1994 10 04.82042	21 33 57.34	-10 20 40.5	589
1994 SC	1994 10 08.75677	21 34 28.27	-10 29 04.7	17.5 V 589
1994 SC	1994 10 08.78770	21 34 28.62	-10 29 08.0	589
1994 TT ₁	1994 10 07.89889	23 19 25.27	+05 11 51.6	16.6 V 589
1994 TT ₁	1994 10 07.90757	23 19 24.82	+05 11 51.9	589
1994 TX ₁	* 1994 10 09.86354	01 15 09.01	+12 57 54.3	20.0 V 589
1994 TX ₁	1994 10 09.87213	01 15 08.56	+12 57 54.9	589
1994 TX ₁	1994 10 09.90300	01 15 06.65	+12 57 55.8	589
1994 TX ₁	1994 10 10.90340	01 14 08.10	+12 58 20.4	589
1994 TX ₁	1994 10 10.91476	01 14 07.45	+12 58 20.8	589

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[bittesini@38439.span]

Observers E. Pettarin, G. Lombardi, W. Boschini, L. Bittesini, L. Drigo, A. Toso,

F. Devetti

Measurers E. Pettarin, A. Toso

0.4-m $f/4.5$ reflector + CCD

GSC

1994 NC	1994 09 10.83931	19 49 03.83	-12 03 13.9	595
1994 NC	1994 09 10.85464	19 49 03.84	-12 03 19.7	595
1994 NC	1994 09 11.82104	19 49 01.87	-12 09 38.6	18 V 595
1994 NC	1994 09 11.85836	19 49 01.83	-12 09 53.1	595
1994 RA	1994 09 11.07485	00 57 28.69	+03 40 55.7	18 V 595
1994 RA	1994 09 11.08779	00 57 28.32	+03 40 49.7	595
1994 RF	1994 09 10.99310	01 00 41.42	+10 10 09.8	595
1994 RF	1994 09 11.00831	01 00 40.86	+10 10 07.4	595
1994 RF	1994 09 15.99976	00 58 01.59	+09 49 33.4	19.1 V 595
1994 RF	1994 09 16.01589	00 58 00.91	+09 49 27.4	595
1994 SD	1994 09 30.03649	00 44 09.56	+09 38 45.5	595
1994 SD	* 1994 09 30.05032	00 44 08.97	+09 38 35.7	17.5 V 595
1994 SD	1994 10 03.94080	00 41 24.67	+08 51 17.9	595

1994 SD	1994 10 03.96130	00 41 23.85	+08 51 02.4		595
1994 SG	1994 09 30.03649	00 44 00.51	+09 31 55.1		595
1994 SG	* 1994 09 30.05032	00 43 59.84	+09 31 51.9		595
1994 SG	1994 10 05.99361	00 37 59.05	+09 10 37.9		595
1994 SG	1994 10 06.00729	00 37 58.24	+09 10 35.8		595
1994 SG	1994 10 07.01561	00 36 57.63	+09 06 45.2		595
1994 SG	1994 10 07.03113	00 36 56.70	+09 06 41.1	18.6 V	595
1994 SH	1994 09 30.03649	00 44 38.43	+09 35 06.6		595
1994 SH	* 1994 09 30.05032	00 44 37.51	+09 35 03.3		595
1994 SH	1994 10 05.99361	00 38 36.81	+09 08 05.3	18.5 V	595
1994 SH	1994 10 06.00729	00 38 35.93	+09 08 01.2		595
1994 SH	1994 10 07.01561	00 37 35.25	+09 03 13.8		595
1994 SH	1994 10 07.03113	00 37 34.30	+09 03 09.4		595
1994 TJ	1994 10 05.99361	00 38 45.26	+09 06 14.4		595
1994 TJ	* 1994 10 06.00729	00 38 44.39	+09 06 11.6		595
1994 TJ	1994 10 07.01561	00 37 45.66	+09 02 54.9		595
1994 TJ	1994 10 07.03113	00 37 44.77	+09 02 51.3	17.9 V	595

596 Colleverde di Guidonia

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Observers V. S. Casulli, S. Valentini
0.31-m $f/2.8$ Baker-Schmidt + CCD
GSC

1981 DB ₁	1994 10 08.83538	01 20 03.04	+13 03 55.4	15.8 V	596
1981 DB ₁	1994 10 08.86593	01 20 01.80	+13 03 35.1		596
1981 DB ₁	1994 10 09.82373	01 19 23.69	+12 52 53.7	15.9 V	596
1981 DB ₁	1994 10 09.85238	01 19 22.44	+12 52 34.5		596
1981 DB ₁	1994 10 09.89176	01 19 20.79	+12 52 08.2		596
1981 EY ₁₀	1994 10 06.94111	03 02 54.49	+16 59 04.4	16.9 V	596
1981 EY ₁₀	1994 10 06.96861	03 02 53.82	+16 58 58.0		596
1983 XG	1994 10 06.84549	02 07 32.57	+13 13 24.7	16.4 V	596
1983 XG	1994 10 06.87319	02 07 31.47	+13 13 16.0		596
1983 XG	1994 10 06.90172	02 07 30.36	+13 13 07.5		596
1986 PX ₄	1994 10 06.94111	03 01 34.91	+17 16 21.0	16.6 V	596
1986 PX ₄	1994 10 06.96861	03 01 33.98	+17 16 19.1		596
1986 PX ₄	1994 10 08.90713	03 00 28.27	+17 13 24.4	16.8 V	596
1986 PX ₄	1994 10 08.93878	03 00 27.14	+17 13 19.7		596
1986 PX ₄	1994 10 08.96027	03 00 26.43	+17 13 16.7		596
1987 YD	1994 10 08.01062	04 51 07.19	+19 11 06.8	16.8 V	596
1987 YD	1994 10 08.03887	04 51 08.00	+19 11 12.3		596
1988 SW ₂	1994 10 07.91815	02 41 39.10	+14 21 35.5	16.4 V	596
1988 SW ₂	1994 10 07.94731	02 41 37.88	+14 21 29.7		596
1989 BG	1994 10 04.86552	00 47 07.45	+14 55 56.0	16.2 V	596
1989 BG	1994 10 04.87929	00 47 06.58	+14 55 51.9		596
1989 RB ₂	1994 09 12.91991	01 02 12.27	+16 15 53.3	17.2 V	596
1989 RB ₂	1994 09 12.95144	01 02 11.31	+16 15 50.1		596
1989 RB ₂	1994 10 04.85050	00 45 13.90	+15 01 39.0	15.9 V	596
1989 RB ₂	1994 10 04.86552	00 45 13.14	+15 01 33.9		596
1989 RB ₂	1994 10 04.87929	00 45 12.46	+15 01 28.5		596
1989 SE ₂	1994 10 09.90860	03 10 38.08	+12 56 50.2	16.9 V	596
1989 SE ₂	1994 10 09.93719	03 10 37.03	+12 56 47.1		596
1989 SE ₂	1994 10 09.96513	03 10 36.00	+12 56 44.1		596

1989 SE ₂	1994 10 10.90788	03 10 03.24	+12 54 39.4	17.0 V	596
1989 SE ₂	1994 10 10.94096	03 10 01.94	+12 54 35.1		596
1989 SE ₂	1994 10 10.96444	03 10 01.30	+12 54 31.5		596
1989 SE ₂	1994 10 11.90309	03 09 27.15	+12 52 32.0	16.9 V	596
1989 SE ₂	1994 10 11.92838	03 09 26.16	+12 52 29.0		596
1989 SE ₂	1994 10 11.94899	03 09 25.53	+12 52 26.5		596
1989 TT ₁₁	1994 10 07.84797	01 31 18.31	+09 37 35.0	16.0 V	596
1989 TT ₁₁	1994 10 07.87336	01 31 17.11	+09 37 27.1		596
1989 TT ₁₁	1994 10 07.89872	01 31 15.86	+09 37 19.2		596
1991 TO ₁₃	1994 09 12.87803	23 38 04.64	+08 27 04.9	16.2 V	596
1991 TO ₁₃	1994 09 12.88978	23 38 04.00	+08 26 59.2		596
1991 TO ₁₃	1994 09 12.89773	23 38 03.65	+08 26 55.2		596
1991 TO ₁₃	1994 09 25.82104	23 27 46.97	+06 24 43.2	16.1 V	596
1991 TO ₁₃	1994 09 25.83984	23 27 45.96	+06 24 32.5		596
1991 TO ₁₃	1994 09 25.85859	23 27 45.00	+06 24 22.0		596
1991 TO ₁₃	1994 09 27.82166	23 26 19.51	+06 04 32.0	16.4 V	596
1991 TO ₁₃	1994 09 27.83957	23 26 18.73	+06 04 21.6		596
1994 RB ₁	1994 09 12.87803	23 37 29.74	+08 17 20.3	17.3 V	596
1994 RB ₁	1994 09 12.88978	23 37 28.95	+08 17 15.5		596
1994 RB ₁	1994 09 12.89773	23 37 28.48	+08 17 11.9		596
1994 RB ₁	1994 09 28.80648	23 25 29.47	+06 16 05.9	17.2 V	596
1994 RB ₁	1994 09 28.82612	23 25 28.66	+06 15 57.2		596
1994 RB ₁	1994 09 28.84543	23 25 27.83	+06 15 48.4		596
1994 TT ₁	* 1994 10 06.77679	23 20 20.87	+05 12 07.1	16.6 V	596
1994 TT ₁	1994 10 06.80505	23 20 19.48	+05 12 05.8		596
1994 TT ₁	1994 10 06.81920	23 20 18.84	+05 12 04.6		596
1994 TT ₁	1994 10 08.78635	23 18 43.12	+05 11 38.7	16.6 V	596
1994 TT ₁	1994 10 08.81449	23 18 41.72	+05 11 36.4		596
1994 TT ₁	1994 10 09.75594	23 17 58.23	+05 11 28.7	17.0 V	596
1994 TT ₁	1994 10 09.79404	23 17 56.35	+05 11 25.0		596
1994 TT ₁	1994 10 09.80956	23 17 55.65	+05 11 23.6		596
1994 TT ₁	1994 10 10.76412	23 17 12.81	+05 11 14.9	17.0 V	596
1994 TT ₁	1994 10 10.78876	23 17 11.79	+05 11 14.0		596
1994 TT ₁	1994 10 10.80676	23 17 10.98	+05 11 13.4		596
1994 TT ₁	1994 10 11.78141	23 16 29.09	+05 11 07.4	17.1 V	596
1994 TT ₁	1994 10 11.80124	23 16 28.25	+05 11 06.2		596
1994 TY ₁	* 1994 10 08.83538	01 20 45.88	+12 51 16.0	17.4 V	596
1994 TY ₁	1994 10 08.86593	01 20 44.03	+12 51 05.2		596
1994 TY ₁	1994 10 08.89045	01 20 42.58	+12 50 55.6		596
1994 TY ₁	1994 10 09.82373	01 19 48.66	+12 45 58.7	17.5 V	596
1994 TY ₁	1994 10 09.85238	01 19 46.97	+12 45 46.0		596
1994 TY ₁	1994 10 09.87648	01 19 45.30	+12 45 38.0		596
1994 TY ₁	1994 10 09.89176	01 19 44.42	+12 45 32.5		596
1994 TY ₁	1994 10 10.86964	01 18 47.65	+12 40 17.0	17.5 V	596
1994 TY ₁	1994 10 10.88757	01 18 46.32	+12 40 11.1		596
1994 TB ₂	* 1994 10 10.76412	23 17 23.31	+05 24 33.5	16.0 V	596
1994 TB ₂	1994 10 10.78876	23 17 22.61	+05 24 21.3		596
1994 TB ₂	1994 10 10.80676	23 17 22.16	+05 24 12.5		596
1994 TB ₂	1994 10 11.75171	23 16 59.11	+05 16 22.1	16.1 V	596
1994 TB ₂	1994 10 11.78141	23 16 58.52	+05 16 06.3		596
1994 TB ₂	1994 10 11.80124	23 16 58.00	+05 15 56.1		596
1994 TC ₂	* 1994 10 10.76412	23 17 34.81	+05 23 24.2	16.7 V	596

1994 TC ₂	1994 10 10.78876	23 17 33.84	+05 23 19.8		596
1994 TC ₂	1994 10 10.80676	23 17 33.02	+05 23 16.3		596
1994 TC ₂	1994 10 11.75171	23 16 59.99	+05 20 32.4	16.8 V	596
1994 TC ₂	1994 10 11.78141	23 16 58.72	+05 20 27.5		596
1994 TC ₂	1994 10 11.80124	23 16 58.11	+05 20 23.8		596
1994 TD ₂	* 1994 10 10.90788	03 09 50.72	+13 01 27.0	16.0 V	596
1994 TD ₂	1994 10 10.94096	03 09 49.31	+13 01 26.5		596
1994 TD ₂	1994 10 10.96444	03 09 48.19	+13 01 26.2		596
1994 TD ₂	1994 10 11.90309	03 09 08.07	+13 01 08.1	15.9 V	596
1994 TD ₂	1994 10 11.92838	03 09 07.02	+13 01 07.5		596
1994 TD ₂	1994 10 11.94899	03 09 06.06	+13 01 05.5		596
(1650)	1994 10 07.84797	01 31 40.12	+09 31 31.0	14.8 V	596
(1650)	1994 10 07.87336	01 31 38.72	+09 31 21.5		596
(1650)	1994 10 07.89872	01 31 37.26	+09 31 12.0		596
(1654)	1994 10 06.84549	02 06 36.65	+13 08 39.0	14.8 V	596
(1654)	1994 10 06.87319	02 06 35.29	+13 08 38.7		596
(1654)	1994 10 06.90172	02 06 33.90	+13 08 38.4		596
(3430)	1994 10 07.91815	02 40 30.25	+14 10 41.5	16.2 V	596
(3430)	1994 10 07.94731	02 40 28.94	+14 10 37.1		596
(3865)	1994 10 06.94111	03 02 05.55	+17 07 52.7	16.8 V	596
(3865)	1994 10 06.96861	03 02 04.40	+17 07 44.6		596
(3865)	1994 10 08.90713	03 00 56.58	+16 58 01.3	16.8 V	596
(3865)	1994 10 08.93878	03 00 55.30	+16 57 51.7		596
(3865)	1994 10 08.96027	03 00 54.53	+16 57 45.1		596
(4727)	1994 10 09.90860	03 10 55.33	+12 48 57.0	16.3 V	596
(4727)	1994 10 09.93719	03 10 54.48	+12 48 50.9		596
(4727)	1994 10 09.96513	03 10 53.54	+12 48 45.0		596
(4727)	1994 10 10.90788	03 10 24.60	+12 45 35.5	16.4 V	596
(4727)	1994 10 10.94096	03 10 23.43	+12 45 29.1		596
(4727)	1994 10 10.96444	03 10 22.64	+12 45 24.2		596
(5945)	1994 10 06.84549	02 08 23.45	+13 22 22.6	15.5 V	596
(5945)	1994 10 06.87319	02 08 21.81	+13 22 20.1		596
(5945)	1994 10 06.90172	02 08 20.09	+13 22 17.4		596
(6073)	1994 09 28.86859	01 14 54.26	+13 47 44.5	16.2 V	596
(6073)	1994 09 28.91203	01 14 52.11	+13 47 24.0		596
(6073)	1994 09 28.91983	01 14 51.91	+13 47 20.5		596

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1.82-m Plaskett telescope + CCD

GSC

1994 RH	1994 09 29.30175	21 50 19.62	+05 21 43.6		658
1994 RH	1994 09 29.30406	21 50 19.39	+05 21 45.5		658
1994 RH	1994 09 29.30743	21 50 19.09	+05 21 48.2		658

664 Manastash Ridge Observatory

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0.76-m $f/5.7$ reflector + CCD

1993 SM ₁₂	1993 09 09.31477	00 20 16.98	+05 26 22.4	19.1 R	664
1993 SM ₁₂	1993 09 09.31925	00 20 16.82	+05 26 21.4	18.9 R	664

1993 SM ₁₂	1993 09 09.32493	00 20 16.57	+05 26 21.0	19.4 R	664
1993 SM ₁₂	1993 09 09.32860	00 20 16.33	+05 26 20.1	18.9 R	664
1993 SM ₁₂	1993 09 09.33241	00 20 16.21	+05 26 19.3	19.1 R	664
1993 SM ₁₂	1993 09 09.33611	00 20 16.06	+05 26 18.2	18.9 R	664
1993 SM ₁₂	1993 09 09.33973	00 20 15.89	+05 26 17.5	19.4 R	664
1993 SM ₁₂	1993 09 09.34341	00 20 15.63	+05 26 15.8	19.0 R	664
1993 SM ₁₂	1993 09 09.34711	00 20 15.47	+05 26 15.0	19.5 R	664
1993 SM ₁₂	1993 09 09.35080	00 20 15.32	+05 26 14.2	19.0 R	664
1993 SM ₁₂	1993 09 09.38667	00 20 13.89	+05 26 05.8	19.5 R	664
1993 SM ₁₂	1993 09 09.39034	00 20 13.76	+05 26 04.8	19.0 R	664
1993 SM ₁₂	1993 09 09.39395	00 20 13.62	+05 26 03.8	19.3 R	664
1993 SM ₁₂	1993 09 09.39778	00 20 13.45	+05 26 03.3	19.2 R	664
1993 SM ₁₂	1993 09 09.40148	00 20 13.32	+05 26 01.8	18.8 R	664
1993 SM ₁₂	1993 09 09.40510	00 20 13.15	+05 26 01.2	19.3 R	664
1993 SM ₁₂	1993 09 09.40872	00 20 12.94	+05 26 00.8	19.0 R	664
1993 SM ₁₂	1993 09 09.41854	00 20 12.61	+05 25 57.7	19.1 R	664
1993 SM ₁₂	1993 09 09.42223	00 20 12.43	+05 25 57.0	18.9 R	664
1993 SM ₁₂	1993 09 09.42591	00 20 12.30	+05 25 56.1	19.3 R	664
1993 SM ₁₂	1993 09 09.42992	00 20 12.13	+05 25 55.2	19.2 R	664
1993 SM ₁₂	1993 09 09.43374	00 20 12.00	+05 25 54.1	19.3 R	664
1993 SM ₁₂	1993 09 09.43742	00 20 11.84	+05 25 53.0	19.0 R	664
1993 SM ₁₂	1993 09 09.44112	00 20 11.67	+05 25 52.0	18.9 R	664
1993 SM ₁₂	1993 09 09.44481	00 20 11.54	+05 25 51.3	18.9 R	664
1993 SM ₁₂	1993 09 09.48569	00 20 09.80	+05 25 41.7	19.0 R	664
1993 SM ₁₂	1993 09 09.49163	00 20 09.55	+05 25 39.3	19.2 R	664
1993 SM ₁₂	1993 09 09.49531	00 20 09.40	+05 25 38.3	19.2 R	664
1993 SM ₁₂	1993 09 09.49920	00 20 09.28	+05 25 37.8	18.9 R	664
1993 SM ₁₂	1993 09 09.50288	00 20 09.13	+05 25 36.5	19.1 R	664
1993 SM ₁₂	1993 09 09.50677	00 20 08.97	+05 25 36.2	19.4 R	664
1993 SM ₁₂	1993 09 09.51046	00 20 08.78	+05 25 35.1	19.9 R	664
1993 SM ₁₂	1993 09 09.51431	00 20 08.65	+05 25 34.8		F 664
1993 SM ₁₂	1993 09 09.51797	00 20 08.56	+05 25 33.0	19.0 R	V 664

669 Ojai

S. Stephens, Division of Geological and Planetary Sciences, California Institute of
Technology, CA 91125, U.S.A.

Observers W. Abernathy, A. Aryal, A. Barr, A. Bollinger, R. Butcher,
D. Castelbuono, D. Chi, D. Chu, Y. Chuang, P. Costandi, L. Hung,
N. Ikhlassi, P. Kelly, J. Kowalski, A. Kulukian, V. Landaverde, D. Lee,
L. Lee, J. Levitt, A. Moy, T. Munar, B. Neal, L. Nguyen, J. Nuno, D. Park,
A. Rao, M. Santiago, K. Shi, J. Southam, A. Stywryn, F. Wang, Z. Weinberg,
A. West, B. Willey, Y.-S. Wong, W. Wu, C. Wyman

0.18-m $f/6.7$ astrograph

(6)	1994 07 05.21424	15 05 42.17	+02 13 34.1		669
(6)	1994 07 11.21319	15 05 24.10	+01 31 34.5		669
(6)	1994 07 11.26250	15 05 24.20	+01 31 13.4		669
(6)	1994 07 17.23543	15 05 58.25	+00 45 44.3		669
(6)	1994 07 22.19931	15 07 04.57	+00 05 42.9		669
(7)	1994 07 12.27917	16 38 10.31	-21 28 16.0		669
(7)	1994 07 14.23819	16 37 06.99	-21 23 16.1		669
(7)	1994 07 18.24444	16 35 18.09	-21 13 51.1		669
(7)	1994 07 22.29653	16 33 54.71	-21 05 25.5		669
(7)	1994 07 24.18889	16 33 25.52	-21 01 54.5		669

(7)	1994 07 31.26771	16 32 28.72	-20 51 03.8	669
(16)	1994 07 01.39201	21 13 26.54	-13 56 11.8	669
(16)	1994 07 09.37674	21 09 59.67	-14 15 34.1	669
(16)	1994 07 11.37569	21 08 55.25	-14 21 29.3	669
(16)	1994 07 12.36944	21 08 21.42	-14 24 37.6	669
(16)	1994 07 15.31667	21 06 34.82	-14 34 22.8	669
(16)	1994 07 20.31424	21 03 14.26	-14 52 41.9	669
(85)	1994 07 07.26736	16 33 06.83	-05 13 57.8	669
(85)	1994 07 12.20278	16 31 18.02	-05 18 42.4	669
(85)	1994 07 23.18924	16 29 44.70	-05 43 57.8	669
(128)	1994 07 08.31319	18 29 27.05	-27 12 30.2	669
(128)	1994 07 13.32396	18 24 44.79	-27 23 47.3	669
(416)	1994 07 08.25972	16 07 47.07	-30 20 34.9	669
(416)	1994 07 13.26458	16 07 06.21	-30 36 41.4	669
(416)	1994 07 18.19132	16 07 20.90	-30 51 53.7	669
(416)	1994 07 22.25000	16 08 12.71	-31 04 10.8	669
(416)	1994 07 28.20451	16 10 32.00	-31 21 51.4	669
(779)	1994 07 09.32917	17 20 25.13	-28 17 02.2	669
(779)	1994 07 17.30000	17 15 09.46	-27 02 54.5	669
(779)	1994 07 29.19063	17 11 15.10	-25 18 18.8	669

670 Camarillo

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[72401.3174@compuserve.com]

0.25-m Schmidt-Cassegrain + CCD
GSC

1994 SE	1994 10 09.18698	21 36 28.39	-32 24 46.7	17.0 V	670
1994 SE	1994 10 09.19444	21 36 29.31	-32 24 38.7		670
1994 SE	1994 10 09.19757	21 36 29.80	-32 24 33.7		670
1994 SE	1994 10 10.13681	21 38 31.20	-32 02 11.1	17.0 V	670
1994 SE	1994 10 10.14722	21 38 32.50	-32 01 57.1		670
1994 TU ₁	* 1994 10 08.30677	02 04 08.14	+23 27 11.8	17.5 V	670
1994 TU ₁	1994 10 08.37917	02 04 03.83	+23 27 10.4		670
1994 TU ₁	1994 10 09.28438	02 03 11.65	+23 26 41.7	17.0 V	670
1994 TU ₁	1994 10 09.35938	02 03 07.16	+23 26 39.7		670
1994 TU ₁	1994 10 10.27257	02 02 13.46	+23 25 58.2	17.0 V	670
1994 TU ₁	1994 10 10.36825	02 02 07.55	+23 25 53.6		670
1994 TU ₁	1994 10 11.26215	02 01 14.11	+23 24 58.7	17.0 V	670
1994 TU ₁	1994 10 11.29557	02 01 11.97	+23 24 57.4		670
1994 TW ₁	1994 10 11.16024	21 42 00.84	-30 16 28.5	17.5 V	670
1994 TW ₁	1994 10 11.16719	21 42 00.34	-30 16 12.1		670
1994 TW ₁	1994 10 11.17280	21 41 59.57	-30 15 58.8		670
1994 TW ₁	1994 10 11.17865	21 41 58.74	-30 15 42.4		670
1994 TW ₁	1994 10 11.18976	21 41 57.50	-30 15 17.0		670
1994 TW ₁	1994 10 12.12708	21 40 16.62	-29 37 09.7	16.5 V	670
1994 TW ₁	1994 10 12.13785	21 40 15.41	-29 36 42.1		670
1994 TW ₁	1994 10 12.14792	21 40 14.37	-29 36 20.2		670
1994 TW ₁	1994 10 12.15903	21 40 12.99	-29 35 50.2		670
1994 TW ₁	1994 10 12.17778	21 40 11.14	-29 35 07.5		670
(3006)	1994 10 07.16354	22 55 47.52	-08 03 05.9	17.5 V	670
(3006)	1994 10 07.33021	22 55 42.44	-08 03 05.3		670
(3006)	1994 10 08.15602	22 55 21.56	-08 03 01.3	18.0 V	670
(3006)	1994 10 08.21007	22 55 20.03	-08 02 59.3		670

671 Stony Ridge

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Observers J. B. Child, J. E. Rogers

Measurer J. B. Child

0.75-m $f/6$ Newtonian reflector + focal reducer + CCD

1994 RH	1994 10 02.31444	21 46 06.97	+06 01 05.7	17.4 V	671
1994 RH	1994 10 02.33898	21 46 04.90	+06 01 25.3	17.2 V	671
1994 RH	1994 10 02.34260	21 46 04.60	+06 01 27.3	17.3 V	671
1994 RH	1994 10 08.26875	21 39 16.04	+07 16 59.8	17.3 V	671
1994 RH	1994 10 08.27569	21 39 15.59	+07 17 05.1	17.1 V	671
1994 RH	1994 10 08.29792	21 39 14.21	+07 17 21.7	17.3 V	671
(1474)	1994 10 08.42480	03 25 11.61	+75 09 00.7	13.7 V	671
(1474)	1994 10 08.42708	03 25 12.10	+75 09 05.6	13.7 V	671
(1474)	1994 10 08.43137	03 25 12.91	+75 09 13.5	14.2 V	671
(1474)	1994 10 08.43762	03 25 14.05	+75 09 26.0	14.1 V	671

675 Palomar

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9 = 3 + 6

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E. F. Helin (2, S), H. E. Holt (3, S), K. Lawrence (2, S), D. H. Levy (3, S),
C. M. Olmstead (3, S), C. S. Shoemaker (3, S), J. Smallwood (2, S),
D. Williams (3, S)

Measurers J. Alu (2), K. Lawrence (2), C. S. Shoemaker (3), M. F. Nordstrand (6),
C. J. van Houten (4), I. van Houten-Groeneveld (4), A. Wisse (4)

1954 NC ₁	* 1954 07 03.37847	20 27 44.42	-17 26 21.3		6 675
1954 NC ₁	1954 07 03.40278	20 27 43.17	-17 26 21.4		6 675
1954 PQ	* 1954 08 04.30069	21 37 13.14	-15 24 23.6	18.5	6 675
1954 PQ	1954 08 04.32569	21 37 11.69	-15 24 33.3		6 675
1954 PR	* 1954 08 04.30069	21 43 10.13	-15 16 53.4	18.0	6 675
1954 PR	1954 08 04.32569	21 43 09.09	-15 17 00.5		6 675
1954 PS	* 1954 08 04.30069	21 46 44.12	-18 46 48.2	17.2	6 675
1954 PS	1954 08 04.32569	21 46 42.68	-18 46 58.1		6 675
1954 PT	* 1954 08 04.30069	21 49 10.13	-14 52 51.9	17.5	6 675
1954 PT	1954 08 04.32569	21 49 08.74	-14 52 55.9		6 675
1969 GC	1955 10 23.43542	04 32 25.97	+33 29 11.0		6 675
1969 GC	1955 10 23.46111	04 32 25.26	+33 29 10.7	17.8	6 675
1969 GC	1955 10 24.43611	04 31 56.79	+33 29 31.2	18.2	6 675
1969 GC	1955 10 24.45972	04 31 56.14	+33 29 30.5		6 675
1969 GC	1993 10 12.16771	22 41 39.62	+05 08 44.4	16.8	9 675
1969 GC	1993 10 12.21788	22 41 38.42	+05 08 32.2		9 675
1969 GC	1993 10 14.18767	22 40 57.34	+05 01 09.3	17.0	9 675
1969 GC	1993 10 14.22431	22 40 56.59	+05 01 01.4		9 675
1975 SJ	1955 04 16.30417	14 30 46.15	-15 17 02.0	18.5	6 675

1975 VN ₅	1955 12 12.44584	07 43 44.43	+16 23 39.5		6 675	1991 JP	1955 04 16.32917	14 20 31.28	-13 41 19.3		6 675
1975 VN ₅	1955 12 12.45139	07 43 44.18	+16 23 40.9	17.8	6 675	1991 JA ₁	1994 09 01.21094	19 21 13.36	+14 20 58.2	16.5	2 675
1978 VG ₈	1994 09 01.26406	22 11 02.83	-20 55 30.7	16.5	2 675	1991 JA ₁	1994 09 01.23368	19 21 13.41	+14 20 38.6		2 675
1978 VG ₈	1994 09 01.29045	22 11 01.54	-20 55 35.7		2 675	1991 JH ₁	1955 04 16.30417	14 31 17.19	-09 40 26.8	16.5	6 675
1978 VG ₈	1994 09 03.23368	22 09 38.02	-21 00 27.8		2 675	1991 JH ₁	1955 04 16.32917	14 31 16.03	-09 40 19.5		6 675
1978 VG ₈	1994 09 03.25694	22 09 37.05	-21 00 31.5		2 675	1992 LG	1954 08 04.30069	21 44 56.62	-16 20 06.1	17.8	6 675
1979 QC ₂	1955 12 12.43021	07 43 54.30	+18 16 55.8		6 675	1992 LG	1954 08 04.32569	21 44 55.05	-16 20 15.9		6 675
1979 QC ₂	1955 12 12.45139	07 43 53.54	+18 16 57.9	17.5	6 675	1992 LG	1955 12 12.43021	07 41 32.26	+20 26 13.1		6 675
1981 RQ ₁	1955 04 16.30417	14 29 38.07	-11 22 09.2	18.5	6 675	1992 LG	1955 12 12.45139	07 41 31.46	+20 26 16.8	18.0	6 675
1981 RQ ₁	1955 04 16.32917	14 29 36.80	-11 22 02.1		6 675	1992 PX ₂	1954 07 03.37847	20 37 05.68	-15 24 37.1		6 675
1981 UK ₂₂	1994 02 11.30034	09 31 33.74	-01 07 39.4	18.5	9 675	1992 PX ₂	1954 07 03.40278	20 37 04.51	-15 24 32.4		6 675
1981 UK ₂₂	1994 02 11.33940	09 31 31.44	-01 07 25.4		9 675	1992 PS ₆	1994 02 11.30034	09 33 25.84	+04 29 47.7	16.8	9 675
1983 CY ₂	1955 10 24.45972	04 08 30.50	+34 25 13.6		6 675	1992 PS ₆	1994 02 11.33940	09 33 23.40	+04 29 58.2		9 675
1983 CO ₃	1994 02 11.30034	09 24 37.78	-00 19 02.3	17.0	9 675	1992 SV ₁₂	1955 10 23.46111	04 35 50.50	+30 37 22.4	18.5	6 675
1983 CO ₃	1994 02 11.33940	09 24 35.48	-00 19 02.8		9 675	1992 SW ₁₇	1994 02 11.30034	09 22 34.44	+00 37 17.6	17.2	9 675
1983 RR ₂	1954 09 04.40555	00 55 37.61	+03 31 51.6		6 675	1992 SW ₁₇	1994 02 11.33940	09 22 32.08	+00 37 21.9		9 675
1983 RR ₂	1954 09 04.43090	00 55 36.56	+03 31 50.4	17.2	6 675	1992 UM ₃	1994 02 11.30034	09 14 47.32	+01 37 46.6	16.5	9 675
1983 RT ₄	1994 02 11.30034	09 27 56.56	+01 39 03.3	17.5	9 675	1992 UM ₃	1994 02 11.33940	09 14 45.36	+01 37 55.7		9 675
1983 RT ₄	1994 02 11.33940	09 27 54.45	+01 39 18.2		9 675	1992 WL	1954 08 29.25972	21 16 24.46	-31 58 50.5		6 675
1985 GS	1954 07 03.37847	20 34 30.67	-15 56 22.7		6 675	1992 WL	1954 08 29.27986	21 16 23.48	-31 58 51.7	17.2	6 675
1985 GS	1954 07 03.40278	20 34 29.77	-15 56 29.5		6 675	1992 WH ₁	1955 12 12.43021	07 32 09.56	+16 16 50.1		6 675
1986 TC	1954 08 04.30069	21 53 38.41	-19 14 52.4	17.5	6 675	1992 WH ₁	1955 12 12.45139	07 32 08.57	+16 16 53.6	16.5	6 675
1986 TC	1954 08 04.32569	21 53 37.01	-19 14 54.7		6 675	1992 WP ₃	1994 02 11.30034	09 46 10.36	+03 09 50.6	17.5	9 675
1987 WF	1955 04 16.30417	14 20 10.75	-11 36 19.6	16.5	6 675	1992 WP ₃	1994 02 11.33940	09 46 08.39	+03 09 55.9		9 675
1987 WF	1955 04 16.32917	14 20 09.12	-11 36 17.3		6 675	1993 GM	1954 07 03.37847	20 29 18.88	-18 17 56.6		6 675
1988 BO ₄	1955 12 12.45139	07 37 29.27	+20 39 05.2	17.8	6 675	1993 GM	1954 07 03.40278	20 29 17.93	-18 18 00.6		6 675
1988 DF ₂	1971 03 24.37118	11 58 02.11	-00 39 35.8	18.5	4 675	1993 UC ₁	1955 12 12.43021	07 32 40.85	+15 35 29.0		6 675
1988 DF ₂	1971 03 25.24340	11 57 16.75	-00 35 37.9		4 675	1993 UC ₁	1955 12 12.45139	07 32 39.60	+15 35 23.6	18.0	6 675
1988 DF ₂	1971 03 25.28715	11 57 14.42	-00 35 25.9		4 675	1994 AK ₁₅	1955 10 24.43611	04 19 09.59	+33 26 52.7	17.0	6 675
1988 QW	1954 07 03.37847	20 30 24.41	-20 01 56.9		6 675	1994 AK ₁₅	1955 10 24.45972	04 19 08.85	+33 26 56.6		6 675
1988 QW	1954 07 03.40278	20 30 23.23	-20 01 59.1		6 675	1994 CL	1994 02 15.44366	10 34 20.47	+17 41 32.1	17.2	9 675
1989 CD ₈	1994 02 11.30034	09 27 12.67	+02 31 18.1	17.0	9 675	1994 CL	1994 02 15.49461	10 34 17.06	+17 41 39.0		9 675
1989 CD ₈	1994 02 11.33940	09 27 10.68	+02 31 25.5		9 675	1994 CM	1994 02 14.44027	10 33 31.87	+22 00 50.3	17.8	9 675
1989 GJ	1994 09 01.22257	20 35 18.95	-17 51 37.6	15.5	2 675	1994 CM	1994 02 14.47656	10 33 29.82	+22 01 00.2		9 675
1989 GJ	1994 09 01.24462	20 35 18.50	-17 51 48.6		2 675	1994 CM	1994 02 15.44366	10 32 37.28	+22 05 05.2	18.0	9 675
1989 GJ	1994 09 03.15990	20 34 46.00	-18 08 51.7		2 675	1994 CM	1994 02 15.49461	10 32 34.31	+22 05 17.0		9 675
1989 GJ	1994 09 03.18993	20 34 45.49	-18 09 08.9		2 675	1994 CC ₁	1994 02 11.30034	09 37 54.44	-00 30 53.3	16.5	9 675
1989 HG	1994 09 03.26510	21 24 52.76	+00 45 48.7	17.0	2 675	1994 CC ₁	1994 02 11.33940	09 37 52.05	-00 30 58.6		9 675
1989 HG	1994 09 03.28681	21 24 51.92	+00 45 37.0		2 675	1994 EV ₇	1994 02 14.44027	10 30 54.39	+23 05 15.3	16.8	9 675
1989 HG	1994 09 06.24288	21 22 58.41	+00 18 28.5		2 675	1994 EV ₇	1994 02 14.47656	10 30 50.07	+23 04 58.8		9 675
1989 HG	1994 09 06.26806	21 22 57.41	+00 18 14.0		2 675	1994 EV ₇	1994 02 15.44366	10 28 57.60	+22 57 53.8	17.0	9 675
1990 KT	1994 09 02.19740	20 58 34.33	+15 34 58.2	16.5	2 675	1994 EV ₇	1994 02 15.49461	10 28 51.50	+22 57 30.6		9 675
1990 KT	1994 09 02.21944	20 58 33.67	+15 34 37.5		2 675	1994 PP	1994 09 02.23906	21 54 34.21	+13 45 43.9	15.0	2 675
1990 KT	1994 09 04.27726	20 57 42.40	+15 00 27.6		2 675	1994 PP	1994 09 02.25972	21 54 32.19	+13 46 00.4		2 675
1990 KT	1994 09 04.29878	20 57 41.77	+15 00 05.3		2 675	1994 PP	1994 09 04.28819	21 51 04.67	+14 13 40.7		2 675
1990 RE ₅	1955 10 24.43611	04 34 40.13	+38 58 01.2	18.5	6 675	1994 PP	1994 09 04.30920	21 51 02.45	+14 13 57.1		2 675
1990 RE ₅	1955 10 24.45972	04 34 39.25	+38 58 05.5		6 675	1994 QC	1994 09 01.25781	21 42 43.35	-05 40 59.8	17.0	2 675
1990 VS ₂	1954 08 04.30069	21 44 05.31	-15 06 47.1	18.0	6 675	1994 QC	1994 09 01.28368	21 42 42.80	-05 42 22.0		2 675
1990 VS ₂	1954 08 04.32569	21 44 03.91	-15 06 56.8		6 675	1994 RY ₁	1994 09 01.25781	22 04 11.26	-02 28 12.2	15.0	2 675
1991 EA ₁	1955 04 16.30417	14 23 14.50	-11 16 20.5	16.0	6 675	1994 RY ₁	1994 09 01.28368	22 04 10.59	-02 28 39.1		2 675
1991 EA ₁	1955 04 16.32917	14 23 13.06	-11 16 22.9		6 675	1994 RY ₁	1994 09 03.22604	22 03 19.86	-03 05 58.7		2 675
1991 JP	1955 04 16.30417	14 20 32.32	-13 41 36.9	16.8	6 675	1994 RY ₁	1994 09 03.24878	22 03 19.45	-03 06 25.9		2 675

1994 RG ₁₁	* 1994 09 01.22257	20 35 46.32	-17 34 55.9	16.5	2 675	4630 P-L	1960 09 26.28543	00 13 59.26	-00 12 30.0	4 675
1994 RG ₁₁	1994 09 01.24462	20 35 45.49	-17 35 17.5		2 675	4630 P-L	1960 09 26.31530	00 13 57.39	-00 12 34.1	4 675
1994 RG ₁₁	1994 09 03.15990	20 34 36.67	-18 06 05.0		2 675	4630 P-L	1960 09 27.34237	00 12 55.53	-00 14 35.5	4 675
1994 RG ₁₁	1994 09 03.18993	20 34 35.45	-18 06 33.8		2 675	4630 P-L	1960 09 28.33822	00 11 55.78	-00 16 32.8	4 675
1994 RM ₁₁	* 1994 09 03.26510	21 31 42.38	+01 04 45.0	16.5	2 675	4630 P-L	1960 10 17.28198	23 54 57.64	-00 39 30.3	4 675
1994 RM ₁₁	1994 09 03.28681	21 31 41.76	+01 04 25.9		2 675	4630 P-L	1960 10 22.15559	23 51 49.39	-00 38 28.4	4 675
1994 RM ₁₁	1994 09 06.24288	21 30 51.15	+00 21 20.9		2 675	4630 P-L	1960 10 22.23406	23 51 46.52	-00 38 27.6	4 675
1994 RM ₁₁	1994 09 06.26806	21 30 50.82	+00 20 57.9		2 675	4630 P-L	1960 10 24.18787	23 50 43.22	-00 36 58.3	4 675
1994 TW ₁	* 1994 10 09.20208	21 45 47.28	-31 34 41.8	16.5	2 675	4630 P-L	1960 10 25.25350	23 50 11.55	-00 35 56.2	4 675
1994 TW ₁	1994 10 09.22778	21 45 44.10	-31 33 45.2		2 675	4630 P-L	1960 10 26.26113	23 49 43.73	-00 34 43.6	4 675
1994 TW ₁	1994 10 10.20260	21 43 48.83	-30 54 55.5		2 675	6132 P-L	* 1960 09 24.33613	00 01 15.68	+02 59 29.1	18.8 4 675
1994 TW ₁	1994 10 10.23264	21 43 45.48	-30 53 45.0		2 675	6132 P-L	1960 09 25.32502	00 00 30.03	+02 54 23.6	4 675
2582 P-L	* 1960 09 24.46184	00 57 54.54	+03 40 30.1	19.0	4 675	6132 P-L	1960 09 26.27573	23 59 46.48	+02 49 27.2	4 675
2582 P-L	1960 09 26.37988	00 56 14.90	+03 33 33.4		4 675	6132 P-L	1960 09 28.32780	23 58 13.59	+02 38 49.3	4 675
2582 P-L	1960 09 28.43822	00 54 24.23	+03 25 54.1		4 675	6132 P-L	1960 10 17.21390	23 47 35.10	+01 15 25.4	4 675
2582 P-L	1960 09 29.39514	00 53 32.03	+03 22 17.7		4 675	6132 P-L	1960 10 22.15559	23 46 24.13	+01 02 05.9	4 675
2582 P-L	1960 10 17.31529	00 36 51.81	+02 17 38.0		4 675	6132 P-L	1960 10 26.26113	23 46 01.92	+00 54 43.5	4 675
2582 P-L	1960 10 25.30351	00 30 32.56	+01 57 36.0		4 675	7604 P-L	1955 04 16.30417	14 35 28.96	-09 38 41.6	17.5 6 675
2582 P-L	1960 10 26.35766	00 29 48.73	+01 55 38.9		4 675	7604 P-L	1955 04 16.32917	14 35 27.62	-09 38 35.5	6 675
4082 P-L	* 1960 09 25.42780	00 39 10.20	+06 07 28.9	18.1	4 675	9073 P-L	1954 08 04.30069	21 33 06.57	-18 33 25.8	17.8 6 675
4082 P-L	1960 09 26.30558	00 38 21.14	+06 02 43.1		4 675	9073 P-L	1954 08 04.32569	21 33 05.31	-18 33 30.4	6 675
4082 P-L	1960 09 28.36808	00 36 24.59	+05 51 19.6		4 675	9073 P-L	1955 10 23.43542	04 34 05.99	+28 37 34.5	6 675
4082 P-L	1960 10 17.30420	00 19 23.55	+04 06 43.3		4 675	9073 P-L	1955 10 23.46111	04 34 05.34	+28 37 35.6	18.2 6 675
4082 P-L	1960 10 17.31529	00 19 23.00	+04 06 40.5		4 675	9085 P-L	* 1960 09 27.34237	00 04 29.09	+00 14 42.9	18.2 4 675
4082 P-L	1960 10 22.22293	00 15 41.62	+03 42 43.0		4 675	9085 P-L	1960 09 28.33822	00 03 31.41	+00 12 41.6	4 675
4082 P-L	1960 10 22.26809	00 15 39.67	+03 42 29.7		4 675	9085 P-L	1960 10 17.21390	23 49 00.69	-00 08 14.6	4 675
4082 P-L	1960 10 24.35836	00 14 13.69	+03 33 05.6		4 675	9085 P-L	1960 10 22.15559	23 46 55.36	-00 05 50.8	4 675
4082 P-L	1960 10 25.30351	00 13 36.92	+03 29 00.5		4 675	9085 P-L	1960 10 24.18787	23 46 18.64	-00 03 42.5	4 675
4082 P-L	1960 10 26.32573	00 12 58.19	+03 24 42.4		4 675	9085 P-L	1960 10 26.26113	23 45 50.21	-00 00 48.1	4 675
4084 P-L	* 1960 09 24.37573	00 18 38.04	+04 31 08.0	18.6	4 675	1260 T-1	1971 03 24.38924	12 18 10.90	-06 09 52.0	19.5 4 675
4084 P-L	1960 09 25.32502	00 17 48.69	+04 24 49.4		4 675	1260 T-1	1971 03 25.27326	12 17 22.59	-06 07 13.3	4 675
4084 P-L	1960 09 25.42780	00 17 43.12	+04 24 08.7		4 675	1260 T-1	* 1971 03 25.31562	12 17 20.36	-06 07 06.4	4 675
4084 P-L	1960 09 26.27573	00 16 59.32	+04 18 30.2		4 675	1260 T-1	1971 03 26.26771	12 16 28.12	-06 04 16.3	4 675
4084 P-L	1960 09 26.30558	00 16 57.77	+04 18 19.4		4 675	1260 T-1	1971 04 02.40000	12 09 59.69	-05 42 17.3	4 675
4084 P-L	1960 09 26.31530	00 16 57.22	+04 18 13.0		4 675	2144 T-1	1971 03 24.37118	12 08 57.95	+03 29 46.4	4 675
4084 P-L	1960 09 27.40836	00 16 00.40	+04 10 57.1		4 675	2144 T-1	1971 03 25.24340	12 08 12.42	+03 38 08.4	4 675
4084 P-L	1960 09 28.32780	00 15 13.06	+04 04 47.3		4 675	2144 T-1	* 1971 03 25.28715	12 08 10.09	+03 38 31.8	19.0 4 675
4084 P-L	1960 09 28.39725	00 15 09.31	+04 04 18.9		4 675	2144 T-1	1971 03 26.25208	12 07 19.72	+03 47 40.0	4 675
4084 P-L	1960 10 17.27085	00 01 04.31	+02 07 52.1		4 675	2144 T-1	1971 03 27.31181	12 06 24.15	+03 57 36.2	4 675
4084 P-L	1960 10 22.22293	23 58 29.15	+01 43 46.0		4 675	2144 T-1	1971 04 02.41285	12 01 14.44	+04 52 08.3	4 675
4084 P-L	1960 10 24.35836	23 57 33.12	+01 34 33.8		4 675	3109 T-1	1971 03 25.33090	12 27 44.54	-07 38 11.0	4 675
4084 P-L	1960 10 26.32573	23 56 48.10	+01 26 43.6		4 675	3109 T-1	1971 03 26.29653	12 26 52.02	-07 32 12.5	4 675
4586 P-L	* 1960 09 24.41183	00 18 10.72	-00 05 14.6	17.7	4 675	3109 T-1	* 1971 03 26.33611	12 26 49.67	-07 31 57.8	19.5 4 675
4586 P-L	1960 09 26.31530	00 16 47.40	-00 13 50.9		4 675	3109 T-1	1971 03 27.33854	12 25 54.72	-07 25 36.5	4 675
4586 P-L	1960 09 27.40836	00 15 59.23	-00 18 45.4		4 675	3109 T-1	1971 04 02.40000	12 20 21.72	-06 45 52.9	4 675
4586 P-L	1960 09 28.33822	00 15 18.49	-00 22 55.1		4 675	3109 T-1	1971 04 02.42604	12 20 20.42	-06 45 43.2	4 675
4586 P-L	1960 09 28.39725	00 15 15.84	-00 23 12.2		4 675	3287 T-1	1971 05 14.19427	12 14 12.12	-01 50 09.4	19.5 4 675
4586 P-L	1960 10 17.28198	00 02 35.42	-01 37 08.6		4 675	3287 T-1	1971 05 14.24549	12 14 11.70	-01 50 06.8	4 675
4586 P-L	1960 10 22.23406	23 59 58.89	-01 51 02.5		4 675	3287 T-1	1971 05 16.27535	12 14 04.60	-01 48 44.4	4 675
4586 P-L	1960 10 25.25350	23 58 36.23	-01 58 00.8		4 675	4078 T-1	1971 03 26.31007	12 25 50.46	+01 37 05.8	20.0 4 675
4586 P-L	1960 10 26.31531	23 58 09.52	-02 00 10.1		4 675	4078 T-1	* 1971 03 26.34896	12 25 48.36	+01 37 24.0	20.0 4 675
4630 P-L	* 1960 09 24.41183	00 15 51.24	-00 08 43.4	17.3	4 675	4078 T-1	1971 03 27.35208	12 24 50.91	+01 45 02.8	20.0 4 675

4078 T-1	1971 04 02.41285	12 19 07.28	+02 30 04.8	20.0	4 675	(196)	1994 02 15.49461	10 37 32.12	+19 46 44.5	9 675
4409 T-1	1971 03 24.40486	12 41 00.20	+02 13 23.9		4 675	(212)	1955 10 23.43542	04 43 01.12	+28 10 47.2	6 675
4409 T-1	1971 03 26.31007	12 39 19.14	+02 28 42.7		4 675	(212)	1955 10 23.46111	04 43 00.56	+28 10 48.6	6 675
4409 T-1	* 1971 03 26.34896	12 39 16.90	+02 29 02.2	18.1	4 675	(268)	1954 09 04.40555	00 59 59.73	+03 13 53.3	6 675
4409 T-1	1971 03 27.35208	12 38 22.99	+02 36 58.2		4 675	(268)	1954 09 04.43090	00 59 58.85	+03 13 47.9	6 675
4409 T-1	1971 04 02.43993	12 32 55.15	+03 23 31.4		4 675	(344)	1955 10 23.43542	04 42 37.80	+27 03 11.3	6 675
4825 T-1	1971 04 16.21476	12 30 17.02	+01 55 42.9	19.5	4 675	(344)	1955 10 23.46111	04 42 36.63	+27 03 17.6	6 675
4825 T-1	1971 04 16.27708	12 30 13.79	+01 56 03.2	19.5	4 675	(395)	1955 12 12.43021	07 54 35.90	+18 50 43.3	6 675
4825 T-1	* 1971 05 13.20278	12 15 31.55	+03 04 35.2	19.5	4 675	(395)	1955 12 12.45139	07 54 35.19	+18 50 44.0	6 675
4825 T-1	1971 05 14.23246	12 15 18.80	+03 04 34.6	19.5	4 675	(420)	1994 02 11.30034	09 27 37.35	+05 09 11.9	9 675
4825 T-1	1971 05 16.29774	12 14 58.40	+03 04 01.0	19.5	4 675	(420)	1994 02 11.33940	09 27 35.53	+05 09 19.8	9 675
1218 T-2	1955 12 12.43021	07 52 05.79	+19 39 55.3		6 675	(448)	1955 10 23.43542	04 39 53.06	+28 16 59.5	6 675
1218 T-2	1955 12 12.45139	07 52 04.89	+19 39 57.5	17.8	6 675	(448)	1955 10 23.46111	04 39 52.27	+28 17 04.9	6 675
1231 T-2	1973 09 19.18611	00 22 25.94	+02 02 32.5		4 675	(497)	1955 10 23.43542	04 30 58.71	+27 44 05.5	6 675
1231 T-2	1973 09 19.23785	00 22 23.56	+02 02 18.4		4 675	(497)	1955 10 23.46111	04 30 58.09	+27 44 09.9	6 675
1231 T-2	1973 09 20.22847	00 21 37.80	+01 58 02.5		4 675	(535)	1994 02 14.44027	10 44 26.88	+18 59 18.2	9 675
1231 T-2	1973 09 24.34688	00 18 23.78	+01 39 54.2		4 675	(535)	1994 02 14.47656	10 44 25.02	+18 59 33.8	9 675
1231 T-2	1973 09 24.41597	00 18 20.37	+01 39 36.2		4 675	(535)	1994 02 15.44366	10 43 35.77	+19 06 30.6	9 675
1231 T-2	1973 09 25.24375	00 17 41.10	+01 35 52.3		4 675	(535)	1994 02 15.49461	10 43 33.07	+19 06 52.4	9 675
1231 T-2	1973 09 25.30729	00 17 37.97	+01 35 38.3		4 675	(559)	1994 02 15.44366	10 41 09.71	+18 23 14.3	9 675
1231 T-2	* 1973 09 29.25330	00 14 29.64	+01 18 00.0	18.3	4 675	(559)	1994 02 15.49461	10 41 07.22	+18 23 39.2	9 675
1231 T-2	1973 09 29.31806	00 14 26.50	+01 17 41.9		4 675	(584)	1994 02 11.30034	09 28 12.93	+03 21 06.6	9 675
1231 T-2	1973 09 30.21007	00 13 44.07	+01 13 43.8		4 675	(584)	1994 02 11.33940	09 28 10.35	+03 21 12.8	9 675
1231 T-2	1973 09 30.27431	00 13 40.93	+01 13 26.5		4 675	(609)	1954 07 03.37847	20 23 01.42	-14 33 39.6	6 675
1231 T-2	1973 10 04.28958	00 10 32.03	+00 55 51.4		4 675	(609)	1954 07 03.40278	20 23 00.42	-14 33 42.6	6 675
1231 T-2	1973 10 04.35208	00 10 28.98	+00 55 34.0		4 675	(627)	1955 12 12.43021	07 39 11.33	+15 35 23.8	6 675
1231 T-2	1973 10 05.31684	00 09 44.54	+00 51 25.8		4 675	(627)	1955 12 12.45139	07 39 10.61	+15 35 26.5	6 675
1231 T-2	1973 10 05.37917	00 09 41.62	+00 51 09.1		4 675	(750)	1955 04 16.30417	14 31 21.37	-10 30 23.2	6 675
2110 T-3	1977 10 07.25868	01 03 29.64	+12 47 44.8		4 675	(750)	1955 04 16.32917	14 31 19.98	-10 30 18.2	6 675
2110 T-3	1977 10 11.27743	00 59 27.75	+12 35 40.8		4 675	(758)	1955 12 12.43021	07 57 16.34	+20 27 39.6	6 675
2110 T-3	1977 10 11.34375	00 59 23.66	+12 35 27.8		4 675	(758)	1955 12 12.45139	07 57 15.71	+20 27 43.6	6 675
2110 T-3	1977 10 12.27587	00 58 27.95	+12 32 31.3		4 675	(868)	1955 12 12.43021	07 42 36.22	+18 53 28.5	6 675
2110 T-3	1977 10 12.34271	00 58 23.83	+12 32 19.0		4 675	(868)	1955 12 12.45139	07 42 35.46	+18 53 32.4	6 675
2110 T-3	* 1977 10 16.26233	00 54 32.78	+12 19 19.2	19.4	4 675	(938)	1955 12 12.43021	07 42 42.69	+20 23 07.7	6 675
2110 T-3	1977 10 16.32795	00 54 28.79	+12 19 05.9		4 675	(938)	1955 12 12.45139	07 42 41.97	+20 23 10.3	6 675
2110 T-3	1977 10 21.40868	00 49 41.79	+12 01 39.5		4 675	(961)	1994 02 14.44027	10 35 43.92	+23 55 16.3	9 675
2110 T-3	1977 10 21.46910	00 49 38.32	+12 01 26.8		4 675	(961)	1994 02 14.47656	10 35 41.83	+23 55 25.5	9 675
4354 T-3	1954 07 03.37847	20 45 05.64	-15 57 30.2		6 675	(961)	1994 02 15.44366	10 34 46.88	+23 59 32.0	9 675
4354 T-3	1954 07 03.40278	20 45 04.57	-15 57 36.8		6 675	(961)	1994 02 15.49461	10 34 43.83	+23 59 44.3	9 675
(50)	1955 04 16.30417	14 29 55.72	-12 00 56.9		6 675	(1001)	1994 02 11.30034	09 20 26.42	+03 04 18.4	9 675
(50)	1955 04 16.32917	14 29 54.44	-12 00 49.1		6 675	(1001)	1994 02 11.33940	09 20 24.51	+03 04 25.0	9 675
(99)	1955 04 16.30417	14 30 22.35	-10 17 15.9		6 675	(1020)	1955 12 12.43022	07 43 34.04	+15 32 08.6	6 675
(99)	1955 04 16.32917	14 30 20.81	-10 17 21.6		6 675	(1020)	1955 12 12.45139	07 43 33.36	+15 32 10.0	6 675
(125)	1955 12 12.43021	07 33 59.86	+15 30 17.7		6 675	(1045)	1955 04 16.30417	14 25 09.87	-14 45 48.4	6 675
(125)	1955 12 12.45139	07 33 58.99	+15 30 18.6		6 675	(1045)	1955 04 16.32917	14 25 08.44	-14 45 41.7	6 675
(154)	1955 10 23.43542	04 31 11.35	+32 51 48.5		6 675	(1097)	1955 12 12.43022	07 50 12.82	+20 02 23.1	6 675
(154)	1955 10 23.46111	04 31 10.39	+32 51 57.0		6 675	(1097)	1955 12 12.45139	07 50 11.98	+20 02 25.4	6 675
(155)	1955 04 16.30417	14 24 57.79	-11 45 34.8		6 675	(1130)	1955 04 16.30417	14 18 51.86	-14 11 03.4	6 675
(155)	1955 04 16.32917	14 24 56.38	-11 45 32.0		6 675	(1130)	1955 04 16.32917	14 18 50.40	-14 10 53.7	6 675
(196)	1994 02 14.44027	10 38 20.34	+19 41 00.6		9 675	(1131)	1955 04 16.30417	14 43 05.24	-10 46 23.3	6 675
(196)	1994 02 14.47656	10 38 18.64	+19 41 12.5		9 675	(1131)	1955 04 16.32917	14 43 03.82	-10 46 16.3	6 675
(196)	1994 02 15.44366	10 37 34.55	+19 46 28.1		9 675	(1244)	1955 10 23.43542	04 36 30.69	+30 55 41.3	6 675

(1244)	1955 10 23.46111	04 36 29.98	+30 55 40.2	6 675	(2455)	1955 10 23.43542	04 42 53.06	+32 26 46.6	6 675
(1385)	1955 12 12.43021	07 40 42.64	+18 56 44.1	6 675	(2455)	1955 10 23.46111	04 42 52.44	+32 26 49.0	6 675
(1385)	1955 12 12.45139	07 40 41.81	+18 56 48.1	6 675	(2460)	1955 04 16.30417	14 21 51.53	-10 01 43.5	6 675
(1551)	1954 08 04.30069	21 46 27.06	-17 04 13.9	6 675	(2460)	1955 04 16.32917	14 21 50.11	-10 01 33.6	6 675
(1551)	1954 08 04.32569	21 46 25.70	-17 04 23.4	6 675	(2504)	1954 08 04.30069	21 41 09.71	-19 06 20.4	6 675
(1572)	1955 10 24.43611	04 25 44.13	+36 34 32.1	6 675	(2504)	1954 08 04.32569	21 41 08.41	-19 06 27.1	6 675
(1572)	1955 10 24.45972	04 25 43.27	+36 34 39.6	6 675	(2517)	1955 04 16.30417	14 18 53.88	-11 26 44.2	6 675
(1581)	1955 04 16.30417	14 19 51.88	-10 01 34.1	6 675	(2517)	1955 04 16.32917	14 18 52.74	-11 26 39.5	6 675
(1581)	1955 04 16.32917	14 19 50.83	-10 01 29.3	6 675	(2531)	1994 02 14.44027	10 49 49.05	+20 51 11.0	9 675
(1610)	1954 08 04.30069	21 48 58.24	-16 34 26.9	6 675	(2531)	1994 02 14.47656	10 49 47.50	+20 51 28.3	9 675
(1610)	1954 08 04.32569	21 48 56.89	-16 34 32.3	6 675	(2531)	1994 02 15.44366	10 49 05.78	+20 59 07.4	9 675
(1620)	1994 09 03.27049	21 28 02.24	-07 16 04.1	2 675	(2531)	1994 02 15.49461	10 49 03.44	+20 59 31.0	9 675
(1620)	1994 09 03.29201	21 28 01.64	-07 12 37.2	2 675	(2542)	1954 07 03.37847	20 33 51.04	-15 33 13.9	6 675
(1620)	1994 09 06.24288	21 28 56.95	-01 02 00.0	2 675	(2542)	1954 07 03.40278	20 33 50.12	-15 33 17.4	6 675
(1620)	1994 09 06.26806	21 28 56.58	-00 59 33.8	2 675	(2633)	1954 09 04.40556	01 05 46.71	+01 13 28.0	6 675
(1628)	1955 11 20.26944	03 42 16.72	-04 05 55.3	6 675	(2651)	1954 08 04.30069	21 34 50.30	-19 14 38.6	6 675
(1628)	1955 11 20.29375	03 42 15.59	-04 06 03.2	6 675	(2651)	1954 08 04.32569	21 34 49.13	-19 14 56.5	6 675
(1697)	1955 10 23.43542	04 38 20.57	+31 33 25.0	6 675	(2664)	1955 04 16.30417	14 21 40.00	-10 21 20.6	6 675
(1697)	1955 10 23.46111	04 38 20.19	+31 33 29.9	6 675	(2728)	1955 04 16.30417	14 43 31.57	-14 42 34.6	6 675
(1758)	1994 02 14.44027	10 28 00.81	+19 44 04.4	9 675	(2728)	1955 04 16.32917	14 43 30.42	-14 42 26.4	6 675
(1758)	1994 02 14.47656	10 27 59.09	+19 44 20.7	9 675	(2806)	1955 12 12.43022	07 52 39.25	+19 56 15.7	6 675
(1758)	1994 02 15.44366	10 27 15.15	+19 51 38.4	9 675	(2806)	1955 12 12.45139	07 52 38.57	+19 56 18.6	6 675
(1758)	1994 02 15.49461	10 27 12.68	+19 52 01.3	9 675	(2812)	1994 02 14.44027	10 30 22.49	+23 19 53.4	9 675
(1843)	1994 02 11.30034	09 45 51.07	+02 07 36.4	9 675	(2812)	1994 02 14.47656	10 30 20.29	+23 20 09.2	9 675
(1843)	1994 02 11.33940	09 45 48.88	+02 07 43.7	9 675	(2812)	1994 02 15.44366	10 29 22.54	+23 27 22.4	9 675
(1973)	1994 02 11.30034	09 42 46.48	+03 53 56.2	9 675	(2812)	1994 02 15.49461	10 29 19.29	+23 27 44.1	9 675
(1973)	1994 02 11.33940	09 42 44.67	+03 54 09.4	9 675	(2858)	1955 12 12.43021	07 36 11.66	+16 50 04.6	6 675
(1994)	1994 02 11.30034	09 30 35.81	-00 28 03.9	9 675	(2858)	1955 12 12.45139	07 36 10.77	+16 50 09.3	6 675
(1994)	1994 02 11.33940	09 30 33.63	-00 27 55.0	9 675	(2859)	1954 07 03.37847	20 31 59.22	-14 19 49.6	6 675
(2051)	1955 04 16.30417	14 19 01.06	-13 59 54.6	6 675	(2859)	1954 07 03.40278	20 31 58.02	-14 19 56.8	6 675
(2051)	1955 04 16.32917	14 18 59.89	-13 59 47.6	6 675	(2869)	1954 08 29.25972	21 13 15.11	-30 04 42.2	6 675
(2054)	1954 07 03.37847	20 25 20.93	-19 01 12.4	6 675	(2869)	1954 08 29.27986	21 13 14.05	-30 04 33.7	6 675
(2054)	1954 07 03.40278	20 25 19.78	-19 01 14.9	6 675	(2888)	1955 10 24.43611	04 30 08.28	+33 43 47.3	6 675
(2142)	1955 04 16.30417	14 32 13.81	-14 06 45.2	6 675	(2888)	1955 10 24.45972	04 30 07.80	+33 43 55.1	6 675
(2142)	1955 04 16.32917	14 32 12.69	-14 06 40.7	6 675	(2912)	1994 02 14.44027	10 36 53.32	+18 21 10.5	9 675
(2163)	1955 12 12.43022	07 46 04.57	+20 34 54.5	6 675	(2912)	1994 02 15.44366	10 36 00.28	+18 30 51.4	9 675
(2163)	1955 12 12.45139	07 46 03.80	+20 34 57.2	6 675	(2912)	1994 02 15.49461	10 35 57.43	+18 31 20.2	9 675
(2166)	1955 12 12.43021	07 38 37.47	+14 53 48.0	6 675	(2950)	1994 02 14.44027	10 24 46.27	+19 33 55.5	9 675
(2166)	1955 12 12.45139	07 38 36.43	+14 53 50.2	6 675	(2950)	1994 02 14.47656	10 24 44.30	+19 34 11.7	9 675
(2232)	1955 04 16.30417	14 28 12.61	-15 11 23.0	6 675	(2950)	1994 02 15.44366	10 23 52.86	+19 41 51.0	9 675
(2232)	1955 04 16.32917	14 28 11.43	-15 11 14.1	6 675	(2950)	1994 02 15.49461	10 23 50.00	+19 42 14.5	9 675
(2250)	1955 04 16.30417	14 28 06.69	-12 45 57.1	6 675	(3048)	1955 04 16.30417	14 26 41.40	-14 36 54.2	6 675
(2250)	1955 04 16.32917	14 28 05.62	-12 45 50.9	6 675	(3048)	1955 04 16.32917	14 26 40.00	-14 36 46.0	6 675
(2256)	1954 07 03.37847	20 23 38.91	-19 22 03.8	6 675	(3117)	1955 04 16.30417	14 43 45.06	-11 30 36.7	6 675
(2256)	1954 07 03.40278	20 23 37.91	-19 22 06.8	6 675	(3117)	1955 04 16.32917	14 43 43.93	-11 30 31.8	6 675
(2263)	1955 04 16.30417	14 43 51.98	-10 26 46.9	6 675	(3134)	1994 02 11.30034	09 35 56.54	+04 09 13.5	16.2 9 675
(2263)	1955 04 16.32917	14 43 50.80	-10 26 45.0	6 675	(3134)	1994 02 11.33940	09 35 54.85	+04 09 20.1	9 675
(2279)	1954 09 04.40555	01 00 40.34	+03 13 18.0	6 675	(3216)	1954 08 04.30069	21 43 13.30	-19 38 11.9	16.5 6 675
(2307)	1955 12 12.43022	07 35 59.38	+16 09 26.6	6 675	(3216)	1954 08 04.32569	21 43 12.55	-19 38 26.7	6 675
(2307)	1955 12 12.45139	07 35 58.57	+16 09 24.6	6 675	(3238)	1994 02 14.47656	10 22 24.68	+24 27 06.8	9 675
(2439)	1954 07 03.37847	20 18 46.60	-19 40 02.7	6 675	(3238)	1994 02 15.44366	10 21 21.66	+24 29 25.1	9 675
(2439)	1954 07 03.40278	20 18 45.63	-19 40 05.7	6 675	(3238)	1994 02 15.49461	10 21 18.20	+24 29 31.2	9 675

(3317)	1994 02 14.44027	10 17 39.82	+19 12 45.6	9 675	(4658)	1955 04 16.30417	14 21 53.73	-12 42 04.2	6 675
(3317)	1994 02 14.47656	10 17 38.80	+19 12 56.7	9 675	(4658)	1955 04 16.32917	14 21 52.79	-12 41 58.3	6 675
(3317)	1994 02 15.44366	10 17 10.73	+19 18 05.2	9 675	(4736)	1994 02 11.30034	09 46 29.81	+00 40 02.7	9 675
(3317)	1994 02 15.49461	10 17 09.19	+19 18 20.5	9 675	(4736)	1994 02 11.33940	09 46 25.65	+00 39 42.6	9 675
(3323)	1954 08 04.30069	21 48 30.36	-14 25 33.2	6 675	(4908)	1955 04 16.30417	14 42 32.12	-12 27 06.4	6 675
(3323)	1954 08 04.32569	21 48 29.13	-14 25 40.2	6 675	(4998)	1955 10 24.43611	04 35 50.60	+34 50 58.7	6 675
(3340)	1955 04 16.32917	14 31 34.17	-14 29 31.3	6 675	(4998)	1955 10 24.45972	04 35 50.03	+34 51 02.5	6 675
(3432)	1955 10 24.43611	04 33 41.25	+34 51 01.0	6 675	(5145)	1994 02 14.44027	10 40 19.88	+24 53 48.9	9 675
(3432)	1955 10 24.45972	04 33 40.56	+34 51 03.6	6 675	(5145)	1994 02 14.47656	10 40 19.34	+24 53 55.6	9 675
(3655)	1954 08 04.30069	21 37 50.75	-16 16 30.7	6 675	(5145)	1994 02 15.44366	10 40 03.74	+24 56 36.1	9 675
(3655)	1954 08 04.32569	21 37 49.73	-16 16 34.4	6 675	(5176)	1994 02 14.44027	10 41 12.09	+18 18 12.0	9 675
(3657)	1994 02 11.30034	09 27 36.14	+05 13 18.9	9 675	(5176)	1994 02 14.47656	10 41 10.31	+18 18 25.7	9 675
(3657)	1994 02 11.33940	09 27 33.70	+05 13 31.2	9 675	(5176)	1994 02 15.44366	10 40 21.42	+18 24 32.9	9 675
(3701)	1954 07 03.37847	20 24 54.72	-19 15 13.3	6 675	(5176)	1994 02 15.49461	10 40 18.69	+18 24 51.2	9 675
(3701)	1954 07 03.40278	20 24 53.63	-19 15 19.4	6 675	(5237)	1955 04 16.30417	14 38 22.25	-14 38 04.8	6 675
(3716)	1955 12 12.45139	07 32 08.75	+19 29 51.7	6 675	(5237)	1955 04 16.32917	14 38 20.76	-14 38 04.1	6 675
(3775)	1954 08 29.25972	21 27 43.90	-29 23 19.7	6 675	(5296)	1954 08 04.30069	21 39 16.89	-16 42 28.1	6 675
(3775)	1954 08 29.27986	21 27 42.85	-29 23 17.5	6 675	(5296)	1954 08 04.32569	21 39 15.75	-16 42 34.7	6 675
(3775)	1994 02 14.44027	10 35 58.79	+19 38 17.9	18.2 9 675	(5387)	1955 12 12.45139	07 55 31.80	+19 07 59.0	6 675
(3775)	1994 02 14.47656	10 35 56.96	+19 38 27.4	9 675	(5420)	1994 02 14.44027	10 32 41.89	+21 11 56.5	9 675
(3799)	1955 04 16.30417	14 28 36.47	-12 50 38.1	6 675	(5420)	1994 02 14.47656	10 32 39.94	+21 12 08.3	9 675
(3799)	1955 04 16.32917	14 28 35.37	-12 50 32.4	6 675	(5420)	1994 02 15.44366	10 31 50.42	+21 18 09.1	18.8 9 675
(3902)	1955 10 24.43611	04 29 49.06	+38 51 24.5	6 675	(5479)	1955 04 16.30417	14 41 45.43	-10 16 37.7	6 675
(3902)	1955 10 24.45972	04 29 48.23	+38 51 24.9	6 675	(5479)	1955 04 16.32917	14 41 44.35	-10 16 24.3	6 675
(3970)	1955 10 24.43611	04 18 15.76	+34 01 37.1	6 675	(5567)	1955 10 24.43611	04 23 54.67	+38 30 20.0	6 675
(3970)	1955 10 24.45972	04 18 14.70	+34 01 46.5	6 675	(5567)	1955 10 24.45972	04 23 53.68	+38 30 27.7	6 675
(3995)	1994 02 14.44027	10 17 54.20	+21 56 51.8	16.2 9 675	(5775)	1955 04 16.30417	14 18 56.56	-11 37 57.4	6 675
(3995)	1994 02 14.47656	10 17 52.22	+21 57 07.3	9 675	(5775)	1955 04 16.32917	14 18 55.34	-11 37 45.4	6 675
(3995)	1994 02 15.44366	10 17 00.34	+22 04 08.7	9 675	(5895)	1994 02 11.30034	09 40 59.88	+04 19 06.5	9 675
(3995)	1994 02 15.49461	10 16 57.52	+22 04 30.2	9 675	(5895)	1994 02 11.33940	09 40 57.43	+04 19 18.7	9 675
(4096)	1994 02 14.44027	10 24 36.36	+20 45 39.7	18.2 9 675	(5936)	1994 02 14.44027	10 41 40.81	+25 29 55.2	9 675
(4096)	1994 02 14.47656	10 24 34.36	+20 45 48.0	9 675	(5936)	1994 02 14.47656	10 41 38.98	+25 30 08.5	9 675
(4096)	1994 02 15.44366	10 23 42.60	+20 49 34.2	18.0 9 675	(5936)	1994 02 15.44366	10 40 51.21	+25 35 27.9	9 675
(4096)	1994 02 15.49461	10 23 39.74	+20 49 45.8	9 675	(5936)	1994 02 15.49461	10 40 48.52	+25 35 42.7	9 675
(4310)	1955 04 16.30417	14 29 22.70	-10 48 33.4	6 675	(5940)	1994 02 14.44027	10 46 11.56	+21 49 35.8	9 675
(4310)	1955 04 16.32917	14 29 21.38	-10 48 23.8	6 675	(5940)	1994 02 14.47656	10 46 09.76	+21 49 44.3	9 675
(4361)	1954 08 04.30069	21 41 41.58	-17 31 54.6	6 675	(5940)	1994 02 15.44366	10 45 22.59	+21 53 43.4	9 675
(4361)	1954 08 04.32569	21 41 40.46	-17 32 02.0	6 675	(5940)	1994 02 15.49461	10 45 19.93	+21 53 55.3	9 675
(4393)	1954 09 04.43090	00 57 38.05	+03 24 48.2	6 675	(5942)	1994 02 14.44027	10 26 58.22	+25 41 31.4	9 675
(4483)	1994 09 08.42786	22 18 01.27	+13 31 17.1	14.8 3 675	(5942)	1994 02 14.47656	10 26 56.41	+25 41 43.2	9 675
(4483)	1994 09 11.30329	22 16 11.46	+12 01 27.4	3 675	(5942)	1994 02 15.44366	10 26 08.88	+25 47 16.2	9 675
(4483)	1994 09 11.33246	22 16 10.25	+12 00 32.4	3 675	(5942)	1994 02 15.49461	10 26 06.22	+25 47 33.2	9 675
(4483)	1994 09 12.29565	22 15 35.72	+11 29 50.8	3 675	(5975)	1994 02 14.44027	10 40 49.14	+21 44 25.2	9 675
(4483)	1994 09 12.32638	22 15 34.54	+11 28 51.0	3 675	(5975)	1994 02 14.47656	10 40 46.60	+21 44 27.1	9 675
(4560)	1955 10 23.43542	04 37 54.59	+31 30 19.5	6 675	(5975)	1994 02 15.44366	10 39 40.75	+21 45 22.9	9 675
(4560)	1955 10 23.46111	04 37 53.91	+31 30 19.2	6 675	(5975)	1994 02 15.49461	10 39 37.15	+21 45 24.9	9 675
(4626)	1955 04 16.30417	14 21 03.76	-15 14 58.6	6 675	(6058)	1955 12 12.45139	07 34 38.57	+19 56 56.8	6 675
(4626)	1955 04 16.32917	14 21 02.27	-15 14 55.0	6 675					
(4651)	1955 04 16.30417	14 44 19.02	-14 23 46.5	6 675					
(4651)	1955 04 16.32917	14 44 17.97	-14 23 40.1	6 675					
(4657)	1955 04 16.30417	14 24 05.26	-14 33 31.8	6 675					
(4657)	1955 04 16.32917	14 24 04.26	-14 33 25.9	6 675					

689 U.S. Naval Observatory, Flagstaff Station

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0.20-m transit telescope + CCD
GSC

1978 EU ₉	1994 07 06.29700	18 37 07.49	-20 01 46.4	15.4 V	689	1990 RW ₃	1994 09 07.49592	03 32 43.83	+18 35 48.4	16.8 V	689
1978 EU ₉	1994 07 14.27051	18 30 25.14	-20 12 38.9	16.4 V	689	1990 RA ₅	1994 09 07.29590	22 43 51.77	+00 39 08.0	16.4 V	689
1978 EN ₁₀	1994 09 07.40940	01 27 45.75	+12 38 05.5	17.4 V	689	1990 RA ₅	1994 09 08.29266	22 43 07.87	+00 27 35.1	16.5 V	689
1978 EN ₁₀	1994 09 08.40632	01 27 15.83	+12 38 46.3	17.2 V	689	1990 RA ₅	1994 09 09.28943	22 42 24.40	+00 15 59.8	17.5 V	689
1978 EN ₁₀	1994 09 09.40323	01 26 44.28	+12 39 17.1	17.7 V	689	1990 SH ₁	1994 07 06.30217	18 44 34.34	-08 55 08.8	16.1 V	689
1979 SP ₁₃	1994 07 06.38076	20 38 04.09	-20 58 46.5	17.2 V	689	1990 SU ₁₀	1994 09 08.14668	19 12 23.65	-21 13 31.0	17.6 V	689
1979 SP ₁₃	1994 09 07.17466	19 48 51.17	-24 46 21.3	17.3 V	689	1990 SF ₁₁	1994 09 09.37427	00 44 55.49	+07 28 40.6	17.3 V	689
1979 SP ₁₃	1994 09 09.16901	19 48 35.26	-24 47 10.9	17.4 V	689	1991 BY ₂	1994 09 07.14959	19 12 37.90	-11 58 33.9	16.6 V	689
1981 EQ	1994 09 07.32755	23 29 34.72	-10 29 31.7	19.6 V	689	1991 PF ₁₀	1994 09 07.20699	20 35 31.25	-18 37 06.1	17.8 V	689
1981 EQ	1994 09 09.32097	23 27 57.55	-10 34 42.8	17.6 V	689	1991 PF ₁₀	1994 09 09.20116	20 34 59.25	-18 42 02.9	17.7 V	689
1981 EB ₁	1994 09 07.27325	22 11 10.37	-12 34 46.9	18.2 V	689	1991 SJ ₁	1994 08 01.17387	17 21 48.63	-05 06 23.5	18.8 V	689
1981 EB ₁	1994 09 08.27005	22 10 30.14	-12 38 58.9	18.1 V	689	1991 SJ ₁	1994 08 02.17097	17 21 34.34	-05 11 57.0	18.5 V	689
1981 EB ₁	1994 09 09.26687	22 09 50.48	-12 43 06.9	17.6 V	689	1992 YC ₃	1994 07 06.43679	21 58 56.45	+00 28 22.3	17.7 V	689
1981 EO ₉	1994 09 08.13510	18 55 41.74	-28 15 43.9	18.3 V	689	1992 YC ₃	1994 07 13.41529	21 55 28.97	+02 05 56.4	17.5 V	689
1981 EL ₃₄	1994 07 14.34701	20 20 51.66	-17 52 26.0	17.9 V	689	1992 YC ₃	1994 07 14.41211	21 54 49.91	+02 19 28.8	17.4 V	689
1981 EL ₃₄	1994 08 02.28473	20 05 50.53	-18 36 10.2	18.3 V	689	1992 YC ₃	1994 08 02.34689	21 35 33.53	+06 03 57.2	16.8 V	689
1981 VS	1994 07 13.27034	18 26 12.33	-10 42 53.7	17.8 V	689	(512)	1994 09 07.36786	00 27 45.86	-18 21 18.8	11.7 V	689
1981 VS	1994 07 14.26702	18 25 21.63	-10 43 51.8	17.0 V	689	(512)	1994 09 08.36490	00 27 26.10	-18 32 37.4	11.9 V	689
1983 OD	1994 08 03.44926	00 07 20.16	-09 47 58.4	16.3 V	689	(512)	1994 09 09.36192	00 27 04.54	-18 43 44.6	12.3 V	689
1983 RT ₁	1994 09 07.25460	21 44 15.41	-19 26 17.8	17.0 V	689	(680)	1994 09 07.44046	02 12 37.16	+03 20 43.6	14.5 V	689
1983 RT ₁	1994 09 08.25135	21 43 30.07	-19 24 28.7	17.8 V	689	(1727)	1994 09 07.41595	01 37 12.09	-25 13 38.0	15.0 V	689
1985 TA ₂	1994 07 05.18678	15 54 02.94	-29 50 00.5	17.5 V	689	(1727)	1994 09 08.41321	01 37 11.19	-25 38 15.6	15.0 V	689
1987 SW ₁	1994 07 06.46093	22 33 47.66	+07 37 17.6	16.6 V	689	(1727)	1994 09 09.41045	01 37 07.89	-26 02 51.1	14.7 V	689
1987 SW ₁	1994 08 01.38933	22 32 54.07	+09 37 34.6	16.0 V	689	(1747)	1994 09 08.17862	19 58 25.97	+20 02 56.3	16.0 V	689
1987 SW ₁	1994 08 02.38632	22 32 29.84	+09 38 32.5	15.9 V	689	(1747)	1994 09 09.17583	19 58 21.11	+19 54 40.2	16.2 V	689
1987 SW ₁	1994 08 03.38329	22 32 04.03	+09 39 11.6	16.0 V	689	(1757)	1994 09 07.24041	21 23 46.17	-21 33 46.2	18.0 V	689
1987 SG ₃	1994 09 07.17122	19 43 49.94	+11 01 04.9	15.6 V	689	(1757)	1994 09 08.23719	21 23 03.53	-21 34 59.0	18.5 V	689
1987 SV ₃	1994 07 13.46966	23 14 00.33	-16 58 57.5	17.6 V	689	(1838)	1994 09 09.23398	21 22 22.32	-21 36 02.0	18.0 V	689
1990 OE ₂	1994 07 13.35823	20 33 07.36	-19 24 19.6	16.3 V	689	(1941)	1994 09 07.46885	02 53 37.50	+07 54 11.3	16.2 V	689
1990 OE ₂	1994 07 14.35498	20 32 22.53	-19 35 06.2	15.9 V	689	(1941)	1994 09 07.14373	19 04 12.25	-26 50 24.8	16.7 V	689
1990 OO ₂	1994 07 06.34321	19 43 52.90	-39 52 53.1	16.0 V	689	(2375)	1994 09 09.13840	19 04 23.43	-26 48 47.1	16.5 V	689
1990 OO ₃	1994 08 01.44579	23 54 26.48	-02 21 49.4	18.3 V	689	(2375)	1994 09 07.22812	21 06 02.44	-27 34 01.8	16.6 V	689
1990 OO ₃	1994 08 02.44308	23 54 28.52	-02 25 03.7	18.8 V	689	(2375)	1994 09 08.22505	21 05 33.18	-27 36 44.4	16.5 V	689
1990 OO ₃	1994 08 03.44036	23 54 28.91	-02 28 29.9	19.0 V	689	(2452)	1994 09 09.22200	21 05 05.06	-27 39 17.2	16.7 V	689
1990 OO ₃	1994 09 07.33411	23 39 02.34	-06 20 31.0	17.6 V	689	(2452)	1994 09 07.31123	23 06 00.47	-12 03 12.7	16.6 V	689
1990 OO ₃	1994 09 08.33083	23 38 14.71	-06 29 14.7	17.6 V	689	(2759)	1994 09 08.30794	23 05 12.15	-12 05 30.4	16.8 V	689
1990 OO ₃	1994 09 09.32754	23 37 26.44	-06 38 00.4	17.2 V	689	(2759)	1994 09 07.16774	19 38 49.09	-02 20 34.3	17.8 V	689
1990 OT ₄	1994 07 06.19355	16 07 42.66	-02 10 09.4	19.1 V	689	(3733)	1994 09 08.16491	19 38 40.62	-02 25 14.9	18.1 V	689
1990 OT ₄	1994 07 12.17666	16 06 59.60	-02 54 15.8	18.4 V	689	(3733)	1994 09 07.24903	21 36 12.55	-07 42 10.3	18.0 V	689
1990 OT ₄	1994 07 13.17392	16 06 58.49	-03 02 06.0	18.5 V	689	(3733)	1994 09 08.24575	21 35 24.87	-07 45 58.0	18.3 V	689
1990 OT ₄	1994 07 14.17120	16 06 59.28	-03 10 04.2	19.0 V	689	(4410)	1994 09 09.24249	21 34 38.30	-07 49 42.6	17.9 V	689
1990 QA ₂	1994 08 01.35363	21 41 22.83	-13 58 48.7	18.5 V	689	(4739)	1994 09 07.44458	02 18 33.88	+06 31 53.8	16.4 V	689
1990 QA ₂	1994 08 02.35033	21 40 33.54	-14 02 21.4	18.0 V	689	(4739)	1994 09 07.40516	01 21 38.85	+07 50 20.0	17.8 V	689
1990 QA ₂	1994 08 03.34703	21 39 43.49	-14 05 56.2	18.0 V	689	(6080)	1994 09 08.40217	01 21 15.97	+07 47 13.4	18.1 V	689
1990 QS ₂	1994 08 01.18891	17 43 33.34	-20 50 15.5	17.7 V	689	(6080)	1994 09 09.39916	01 20 51.73	+07 43 58.3	18.0 V	689
1990 QS ₂	1994 08 02.18597	17 43 15.41	-20 51 20.2	17.0 V	689	(6081)	1994 09 07.28951	22 34 39.30	-09 11 59.2	17.5 V	689
1990 QS ₂	1994 08 03.18305	17 42 59.12	-20 52 27.7	17.9 V	689	(6081)	1994 09 09.28301	22 33 09.37	-09 17 47.0	17.8 V	689
1990 QL ₃	1994 09 07.43199	02 00 23.89	+16 09 50.5	17.7 V	689	(6081)	1994 09 07.29960	22 49 12.71	-06 42 23.4	17.4 V	689
1990 QT ₄	1994 07 13.45203	22 48 33.60	-24 38 57.2	16.3 V	689	(6083)	1994 09 08.29640	22 48 32.08	-06 52 45.2	17.4 V	689
1990 QT ₄	1994 07 14.44911	22 48 17.39	-24 41 21.8	17.9 V	689	(6083)	1994 09 09.29320	22 47 51.83	-07 03 04.5	17.4 V	689
						(6083)	1994 07 14.46889	23 16 50.23	-14 26 40.2	17.3 V	689
							1994 08 03.41612	23 19 29.09	-15 01 41.5	17.3 V	689

(6083) 1994 09 07.30312 22 54 18.32 -17 07 28.6 16.8 V 689
 (6083) 1994 09 08.29970 22 53 18.42 -17 09 24.6 16.8 V 689
 (6083) 1994 09 09.29628 22 52 18.75 -17 11 08.0 16.5 V 689

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

Measurer J. V. Scotti, T. Metcalfe

0.91-m Spacewatch telescope
 GSC

1977 DX ₃	1991 11 29.28387	03 05 05.63	+15 25 30.8		691
1977 DX ₃	1991 11 29.30589	03 05 04.62	+15 25 27.1	18.7 V	691
1977 DX ₃	1991 11 29.32684	03 05 03.66	+15 25 24.1		691
1986 DA	1994 10 11.42641	04 30 29.33	+20 53 41.9		691
1986 DA	1994 10 11.49723	04 30 28.08	+20 53 41.6		691
1986 DA	1994 10 11.50280	04 30 27.98	+20 53 41.8		691
1989 SE ₂	1992 04 26.25903	13 22 05.52	-01 47 39.5	17.4 V	691
1989 SE ₂	1992 04 26.28311	13 22 04.37	-01 47 35.9		691
1990 HO ₃	1994 04 02.25040	12 28 45.35	+00 30 47.1	18.0 V	691
1990 HO ₃	1994 04 02.32664	12 28 41.85	+00 31 07.3		691
1990 HO ₃	1994 04 02.39455	12 28 38.75	+00 31 25.1		691
1990 SG ₈	1992 04 27.13096	12 42 11.42	+01 31 25.4		691
1990 SG ₈	1992 04 27.15120	12 42 10.63	+01 31 27.4	17.6 V	691
1990 SG ₈	1992 04 27.17153	12 42 09.85	+01 31 29.2		691
1991 GP ₆	1992 10 04.27551	00 07 53.46	+01 20 06.5		691
1991 GP ₆	1992 10 04.28571	00 07 52.91	+01 20 02.6	18.9 V	691
1991 GP ₆	1992 10 04.29553	00 07 52.29	+01 19 58.8		691
1992 DM ₃	1992 03 06.39803	10 49 25.51	+09 13 18.3	20.0 V	691
1992 DM ₃	1992 03 06.41845	10 49 24.45	+09 13 27.0		691
1992 DT ₆	1993 05 20.20016	15 06 16.90	-09 10 55.3	18.9 V	691
1992 DT ₆	1993 05 20.23205	15 06 15.51	-09 10 50.9		691
1992 DT ₆	1993 05 20.26409	15 06 14.09	-09 10 46.2		691
1992 DC ₁₁	1992 03 11.25372	10 53 36.96	+08 34 31.7	18.5 V	691
1992 DC ₁₁	1992 03 11.27401	10 53 35.82	+08 34 40.5		691
1992 DE ₁₁	1992 03 11.25360	10 53 26.64	+08 49 14.8	19.4 V	691
1992 DE ₁₁	1992 03 11.27389	10 53 25.51	+08 49 22.6		691
1992 DE ₁₁	1992 03 11.29426	10 53 24.25	+08 49 31.6		691
1992 EY ₂₆	1992 02 23.37609	10 39 28.49	+08 53 52.7	19.1 V	691
1992 EY ₂₆	1992 02 23.39786	10 39 27.30	+08 54 03.4		691
1992 EY ₂₆	1992 02 23.42208	10 39 25.98	+08 54 14.6		691
1992 EB ₂₇	1992 02 29.32107	10 35 22.89	+07 41 10.6		691
1992 EB ₂₇	1992 02 29.35606	10 35 21.10	+07 41 19.9		691
1992 EB ₂₇	1992 02 29.37690	10 35 20.09	+07 41 25.2	19.8 V	691
1992 EC ₂₇	1992 02 24.39699	10 40 41.40	+09 26 58.7		691
1992 EC ₂₇	1992 02 24.41779	10 40 40.07	+09 27 04.9	18.3 V	691
1992 EC ₂₇	1992 02 24.43868	10 40 38.75	+09 27 10.9		691
1992 EM ₂₇	1992 02 23.37461	10 37 07.23	+08 34 42.9	19.0 V	691
1992 EM ₂₇	1992 02 23.39638	10 37 06.04	+08 34 45.1		691
1992 EM ₂₇	1992 02 23.42060	10 37 04.77	+08 34 48.9		691
1992 EQ ₂₇	1992 03 06.36554	10 31 42.44	+08 52 22.2		691
1992 EQ ₂₇	1992 03 06.38580	10 31 41.45	+08 52 28.8	19.4 V	691
1992 EQ ₂₇	1992 03 06.40622	10 31 40.47	+08 52 35.1		691

1992 EU ₂₇	1992 02 29.32512	10 41 13.92	+08 05 58.1		691
1992 EU ₂₇	1992 02 29.36011	10 41 12.22	+08 06 11.3	19.7 V	691
1992 EU ₂₇	1992 03 06.36882	10 36 30.79	+08 45 51.6	20.2 V	691
1992 EU ₂₇	1992 03 06.38908	10 36 29.81	+08 46 00.3		691
1992 EU ₂₇	1992 03 06.40949	10 36 28.85	+08 46 07.9		691
1992 EZ ₂₇	1992 03 11.24060	10 34 40.38	+08 54 50.0	20.1 V	691
1992 EZ ₂₇	1992 03 11.26089	10 34 39.56	+08 54 59.0		691
1992 EZ ₂₇	1992 03 11.28127	10 34 38.75	+08 55 06.9		691
1992 EA ₂₈	1992 03 06.37204	10 41 09.95	+09 15 11.7	19.7 V	691
1992 EA ₂₈	1992 03 06.39230	10 41 09.06	+09 15 17.9		691
1992 EA ₂₈	1992 03 06.41272	10 41 08.11	+09 15 22.3		691
1992 EB ₂₈	1992 03 06.28992	10 42 08.75	+09 48 52.4		691
1992 EB ₂₈	1992 03 06.31030	10 42 07.70	+09 49 10.7		691
1992 EB ₂₈	1992 03 06.34902	10 42 05.30	+09 49 44.8	18.9 V	691
1992 EE ₂₈	1992 03 11.30568	10 38 38.73	+10 39 53.6	19.6 V	691
1992 EE ₂₈	1992 03 11.32663	10 38 37.33	+10 39 52.0		691
1992 EE ₂₈	1992 03 11.34716	10 38 36.00	+10 39 49.6		691
1992 EH ₂₈	1992 03 11.24506	10 41 06.62	+08 46 41.7	19.1 V	691
1992 EH ₂₈	1992 03 11.26535	10 41 05.59	+08 46 51.7		691
1992 EH ₂₈	1992 03 11.28572	10 41 04.55	+08 46 59.9		691
1992 EL ₂₈	1992 03 11.24877	10 46 28.10	+08 28 59.1	19.6 V	691
1992 EL ₂₈	1992 03 11.26906	10 46 26.97	+08 29 08.9		691
1992 EL ₂₈	1992 03 11.28943	10 46 25.84	+08 29 19.0		691
1992 EN ₂₈	1992 02 29.23336	10 56 15.80	+10 22 01.5		691
1992 EN ₂₈	1992 02 29.25392	10 56 14.78	+10 22 08.2		691
1992 EN ₂₈	1992 02 29.28165	10 56 13.38	+10 22 18.0	19.7 V	691
1992 EO ₂₈	1992 02 06.38002	10 52 40.25	+08 40 43.8		691
1992 EO ₂₈	1992 03 06.40027	10 52 39.17	+08 40 51.8		691
1992 EO ₂₈	1992 03 06.42069	10 52 38.08	+08 40 59.8	19.8 V	691
1992 EP ₂₈	1992 02 29.23525	10 58 59.19	+09 59 54.3	20.0 V	691
1992 EP ₂₈	1992 02 29.25581	10 58 58.00	+10 00 00.0		691
1992 EP ₂₈	1992 02 29.28353	10 58 56.33	+10 00 07.4		691
1992 EP ₂₈	1992 03 11.33371	10 48 50.75	+10 49 14.5	20.1 V	691
1992 EP ₂₈	1992 03 11.35424	10 48 49.58	+10 49 18.1		691
1992 ER ₂₈	1992 03 06.29892	10 55 08.72	+09 55 45.1		691
1992 ER ₂₈	1992 03 06.35803	10 55 06.00	+09 56 01.5	20.2 V	691
1992 ES ₂₈	1992 03 05.36878	10 56 34.12	+09 25 20.2	19.0 V	691
1992 ES ₂₈	1992 03 05.39226	10 56 32.92	+09 25 26.3		691
1992 ES ₂₈	1992 03 05.41484	10 56 31.76	+09 25 32.2		691
1992 ET ₂₈	1992 03 06.38206	10 55 37.57	+08 57 13.8		691
1992 ET ₂₈	1992 03 06.40232	10 55 36.64	+08 57 18.8	18.7 V	691
1992 EU ₂₈	1992 03 06.38225	10 55 53.67	+09 09 28.4	18.7 V	691
1992 EU ₂₈	1992 03 06.40251	10 55 52.78	+09 09 32.9		691
1992 EU ₂₈	1992 03 06.42292	10 55 51.87	+09 09 38.5		691
1992 EB ₃₅	1992 02 27.26199	10 29 49.45	+15 12 33.7	19.6 V	691
1992 EB ₃₅	1992 02 27.28704	10 29 48.11	+15 12 42.9		691
1992 EB ₃₅	1992 02 27.31229	10 29 46.74	+15 12 52.8		691
1992 TB	1994 09 28.43243	05 14 37.75	-03 52 58.8	19.7 V	691
1992 TB	1994 09 28.45639	05 14 39.43	-03 53 36.0	19.4 V	691
1992 TB	1994 09 29.42126	05 15 48.95	-04 18 22.7		691
1992 TB	1994 09 29.42913	05 15 49.57	-04 18 35.3		691
1992 TB	1994 09 29.44739	05 15 50.80	-04 19 03.6		691

1992 TC	1994 09 28.43282	05 15 11.31	-03 53 26.8	17.3 V	691	1993 RG ₁₁	1993 09 20.19444	23 37 56.39	-00 43 11.6		691
1992 TC	1994 09 28.44539	05 15 12.84	-03 53 18.7	17.5 V	691	1993 RG ₁₁	1993 09 20.22672	23 37 54.82	-00 43 20.8		691
1992 TC	1994 09 28.45679	05 15 14.40	-03 53 11.7	17.6 V	691	1993 RJ ₁₁	1993 09 14.36644	23 42 42.49	-03 15 23.6	16.3 V	691
1992 TC	1994 09 29.46379	05 17 31.19	-03 42 28.7		691	1993 RJ ₁₁	1993 09 14.40110	23 42 40.49	-03 15 35.1		691
1992 TC	1994 09 29.47156	05 17 32.15	-03 42 23.4		691	1993 RJ ₁₁	1993 09 14.43542	23 42 38.53	-03 15 46.8		691
1992 TC	1994 09 29.47894	05 17 33.03	-03 42 19.1		691	1993 RX ₁₁	1993 09 20.16340	23 40 50.60	-01 04 38.1	17.6 V	691
1993 RR ₈	1993 09 15.26813	23 31 19.18	-00 40 50.9	18.3 V	691	1993 RX ₁₁	1993 09 20.19643	23 40 49.21	-01 05 00.5		691
1993 RR ₈	1993 09 15.30053	23 31 17.66	-00 41 05.4		691	1993 RX ₁₁	1993 09 20.22872	23 40 47.84	-01 05 22.3		691
1993 RR ₈	1993 09 15.33262	23 31 16.12	-00 41 19.5		691	1993 RY ₁₁	1993 09 20.16293	23 40 10.57	-00 50 40.9	16.9 V	691
1993 RT ₈	1993 09 15.26842	23 31 43.99	-00 37 15.6		691	1993 RY ₁₁	1993 09 20.19597	23 40 09.02	-00 50 51.4		691
1993 RT ₈	1993 09 15.30082	23 31 42.32	-00 37 28.4	17.5 V	691	1993 RY ₁₁	1993 09 20.22825	23 40 07.50	-00 51 01.8		691
1993 RT ₈	1993 09 15.33291	23 31 40.60	-00 37 40.8		691	1993 RG ₁₂	1993 09 20.16354	23 41 02.88	-00 49 23.3	17.6 V	691
1993 RH ₉	1993 09 20.15561	23 29 36.12	-00 54 38.5	19.1 V	691	1993 RG ₁₂	1993 09 20.19657	23 41 01.38	-00 49 40.3		691
1993 RH ₉	1993 09 20.18864	23 29 34.21	-00 54 49.8		691	1993 RG ₁₂	1993 09 20.22886	23 40 59.91	-00 49 56.9		691
1993 RH ₉	1993 09 20.22092	23 29 32.31	-00 55 00.8		691	1993 RL ₁₂	1993 09 20.16418	23 41 58.26	-01 00 36.3	17.3 V	691
1993 RJ ₉	1993 09 20.15572	23 29 46.04	-00 55 43.7	17.6 V	691	1993 RL ₁₂	1993 09 20.19721	23 41 56.79	-01 01 00.8		691
1993 RJ ₉	1993 09 20.18875	23 29 44.22	-00 55 55.3		691	1993 RL ₁₂	1993 09 20.22950	23 41 55.36	-01 01 24.9		691
1993 RJ ₉	1993 09 20.22103	23 29 42.40	-00 56 07.0		691	1993 RM ₁₂	1993 09 14.36874	23 46 01.74	-03 20 24.7	18.1 V	691
1993 RK ₉	1993 09 14.36116	23 35 05.05	-03 23 11.3	18.4 V	691	1993 RM ₁₂	1993 09 14.40341	23 45 59.99	-03 20 31.5		691
1993 RK ₉	1993 09 14.39583	23 35 03.48	-03 23 24.8		691	1993 RM ₁₂	1993 09 14.43773	23 45 58.28	-03 20 38.2		691
1993 RK ₉	1993 09 14.43015	23 35 01.86	-03 23 39.3		691	1993 RY ₁₂	1993 09 20.16499	23 43 08.89	-01 04 06.9	17.9 V	691
1993 RN ₉	1993 09 20.15614	23 30 21.71	-01 01 04.8	16.8 V	691	1993 RY ₁₂	1993 09 20.19803	23 43 07.56	-01 04 25.9		691
1993 RN ₉	1993 09 20.18917	23 30 19.95	-01 01 13.2		691	1993 RY ₁₂	1993 09 20.23031	23 43 06.26	-01 04 44.4		691
1993 RN ₉	1993 09 20.22145	23 30 18.20	-01 01 22.0		691	1993 RZ ₁₂	1993 09 14.36935	23 46 54.54	-03 15 26.4		691
1993 RR ₉	1993 09 15.27107	23 35 33.40	-00 38 19.3		691	1993 RZ ₁₂	1993 09 14.40401	23 46 52.37	-03 15 30.4	17.8 V	691
1993 RR ₉	1993 09 15.30347	23 35 31.90	-00 38 29.8		691	1993 RZ ₁₂	1993 09 14.43833	23 46 50.28	-03 15 34.3		691
1993 RR ₉	1993 09 15.33556	23 35 30.44	-00 38 40.4	17.0 V	691	1993 RA ₁₃	1993 09 15.27865	23 46 30.47	-00 39 36.7		691
1993 RS ₉	1993 09 14.36202	23 36 19.65	-03 41 56.9	18.2 V	691	1993 RA ₁₃	1993 09 15.31106	23 46 29.00	-00 39 49.5	17.9 V	691
1993 RS ₉	1993 09 14.39669	23 36 17.77	-03 42 01.5		691	1993 RA ₁₃	1993 09 15.34315	23 46 27.47	-00 40 02.4		691
1993 RS ₉	1993 09 14.43101	23 36 15.96	-03 42 08.5		691	1993 RG ₁₃	1993 09 20.16555	23 43 57.23	-00 53 19.6	18.7 V	691
1993 RU ₉	1993 09 15.27102	23 35 29.51	-00 33 51.1		691	1993 RG ₁₃	1993 09 20.19858	23 43 55.83	-00 53 34.1		691
1993 RU ₉	1993 09 15.30342	23 35 27.46	-00 33 51.2	18.1 V	691	1993 RG ₁₃	1993 09 20.23087	23 43 54.46	-00 53 48.6		691
1993 RU ₉	1993 09 15.33550	23 35 25.43	-00 33 51.5		691	1993 RJ ₁₃	1993 09 15.27933	23 47 29.55	-00 30 20.9		691
1993 RV ₉	1993 09 15.27110	23 35 36.55	-00 49 05.6	17.2 V	691	1993 RJ ₁₃	1993 09 15.31174	23 47 28.18	-00 30 45.0	17.5 V	691
1993 RV ₉	1993 09 15.30350	23 35 34.47	-00 49 08.1		691	1993 RJ ₁₃	1993 09 15.34383	23 47 26.73	-00 31 08.8		691
1993 RV ₉	1993 09 15.33558	23 35 32.43	-00 49 10.9		691	1993 RK ₁₃	1993 09 20.16525	23 43 31.20	-00 54 32.6	18.1 V	691
1993 RC ₁₀	1993 09 14.36273	23 37 21.25	-03 20 46.9		691	1993 RK ₁₃	1993 09 20.19828	23 43 29.50	-00 54 50.0		691
1993 RC ₁₀	1993 09 14.39740	23 37 19.53	-03 20 56.0		691	1993 RK ₁₃	1993 09 20.23056	23 43 27.86	-00 55 06.7		691
1993 RC ₁₀	1993 09 14.43172	23 37 17.87	-03 21 05.7	17.8 V	691	1993 RP ₁₃	1993 09 15.27981	23 48 10.35	-00 38 51.1	18.2 V	691
1993 RK ₁₀	1993 09 14.36388	23 39 00.94	-03 33 20.9		691	1993 RP ₁₃	1993 09 15.31221	23 48 08.87	-00 39 05.0		691
1993 RK ₁₀	1993 09 14.39855	23 38 58.91	-03 33 23.1		691	1993 RP ₁₃	1993 09 15.34430	23 48 07.33	-00 39 18.6		691
1993 RK ₁₀	1993 09 14.43286	23 38 56.93	-03 33 26.7	18.8 V	691	1993 RX ₁₃	1993 09 20.16712	23 46 13.16	-01 00 47.2		691
1993 RU ₁₀	1993 09 15.27374	23 39 25.30	-00 55 40.8	18.8 V	691	1993 RX ₁₃	1993 09 20.20015	23 46 11.65	-01 00 56.2	18.4 V	691
1993 RU ₁₀	1993 09 15.30615	23 39 23.73	-00 55 50.6		691	1993 RX ₁₃	1993 09 20.23244	23 46 10.44	-01 01 02.2		691
1993 RU ₁₀	1993 09 15.33824	23 39 22.17	-00 56 00.9		691	1993 RZ ₁₄	1993 09 18.37749	00 35 28.82	+04 50 11.7		691
1993 RX ₁₀	1993 09 15.27425	23 40 09.51	-00 52 15.2		691	1993 RZ ₁₄	1993 09 18.41106	00 35 25.78	+04 50 22.2	19.1 V	691
1993 RX ₁₀	1993 09 15.30666	23 40 07.92	-00 52 24.3	18.2 V	691	1993 RZ ₁₄	1993 09 18.44499	00 35 22.72	+04 50 32.5		691
1993 RX ₁₀	1993 09 15.33875	23 40 06.35	-00 52 33.6		691	1993 SX ₁₁	1993 10 14.10084	23 49 26.79	+00 05 54.9	18.6 V	691
1993 RB ₁₁	1993 09 15.27504	23 41 17.31	-00 45 21.1	17.8 V	691	1993 SX ₁₁	1993 10 14.11809	23 49 26.01	+00 05 52.8		691
1993 RB ₁₁	1993 09 15.30744	23 41 15.82	-00 45 38.6		691	1993 SX ₁₁	1993 10 14.17713	23 49 23.32	+00 05 45.8		691
1993 RB ₁₁	1993 09 15.33953	23 41 14.37	-00 45 56.3		691	1993 SX ₁₂	1993 09 15.35875	00 18 43.74	+00 39 02.4		691
1993 RG ₁₁	1993 09 20.16140	23 37 57.96	-00 43 02.0	18.2 V	691	1993 SX ₁₂	1993 09 15.39096	00 18 41.59	+00 38 56.3	19.7 V	691

1993 SX ₁₂	1993 09 15.42359	00 18 39.46	+00 38 50.2		691	1994 TA ₂	1994 10 11.30347	00 26 21.81	+05 32 20.1	20.5 V	691
1993 SA ₁₃	1993 09 15.35880	00 18 52.54	+00 48 51.5		691	1994 TA ₂	1994 10 11.31119	00 26 21.90	+05 32 12.5	20.1 V	691
1993 SA ₁₃	1993 09 15.39101	00 18 50.65	+00 48 42.6	19.6 V	691	1994 TA ₂	1994 10 11.31887	00 26 21.96	+05 32 05.3	19.8 V	691
1993 SA ₁₃	1993 09 15.42364	00 18 48.78	+00 48 33.1		691	1994 TA ₂	1994 10 11.32502	00 26 22.11	+05 31 59.8		691
1993 SM ₁₃	1993 09 15.35986	00 20 42.22	+00 38 34.4		691	1994 TE ₂	* 1994 10 11.33790	02 14 40.82	+12 08 18.8	20.5 V	691
1993 SM ₁₃	1993 09 15.39206	00 20 40.53	+00 38 26.9	18.1 V	691	1994 TE ₂	1994 10 11.34582	02 14 41.53	+12 08 10.7	21.0 V	691
1993 SM ₁₃	1993 09 15.42469	00 20 38.86	+00 38 19.1		691	1994 TE ₂	1994 10 11.35370	02 14 42.21	+12 08 03.3	20.6 V	691
1993 SQ ₁₃	1993 09 15.36031	00 21 21.66	+00 57 59.2		691	1994 TE ₂	1994 10 11.43551	02 14 49.41	+12 06 40.5	20.4 V	691
1993 SQ ₁₃	1993 09 15.39251	00 21 20.12	+00 57 50.0	18.9 V	691	1994 TE ₂	1994 10 11.44337	02 14 50.10	+12 06 32.6	20.6 V	691
1993 SQ ₁₃	1993 09 15.42514	00 21 18.60	+00 57 40.2		691	1994 TE ₂	1994 10 11.45121	02 14 50.77	+12 06 24.5	20.6 V	691
1993 SY ₁₃	1993 09 15.36314	00 25 26.32	+00 49 58.0		691	1994 TE ₂	1994 10 12.28462	02 16 14.43	+11 52 29.4	21.4 V	691
1993 SY ₁₃	1993 09 15.39534	00 25 24.86	+00 49 52.6		691	1994 TE ₂	1994 10 12.29406	02 16 15.23	+11 52 20.0	21.2 V	691
1993 SY ₁₃	1993 09 15.42797	00 25 23.37	+00 49 47.2	18.4 V	691	1994 TE ₂	1994 10 12.30363	02 16 16.05	+11 52 10.7	21.5 V	691
1994 CF ₁	1994 02 10.17988	09 06 03.24	+10 07 16.3	16.2 V	691	1994 TE ₂	1994 10 12.45677	02 16 29.17	+11 49 35.0	22.4 V	691
1994 CF ₁	1994 02 10.20212	09 06 01.84	+10 07 16.3		691	1994 TE ₂	1994 10 12.46452	02 16 29.88	+11 49 26.5	21.7 V	691
1994 CF ₁	1994 02 10.22404	09 06 00.46	+10 07 16.7		691	1994 TE ₂	1994 10 12.47234	02 16 30.56	+11 49 18.5	21.2 V	691
1994 QA ₁	1994 09 01.23626	22 18 35.32	-10 52 41.0		691	2096 P-L	1992 04 24.33129	14 30 05.81	-13 23 26.3	18.6 V	691
1994 QA ₁	1994 09 01.26005	22 18 34.05	-10 52 49.3	17.5 V	691	2096 P-L	1992 04 24.35205	14 30 04.59	-13 23 19.3		691
1994 QA ₁	1994 09 01.28434	22 18 32.82	-10 52 57.0		691	2096 P-L	1992 04 24.37391	14 30 03.37	-13 23 11.2		691
1994 RK ₁₁	1994 09 11.27783	23 21 43.32	-01 46 58.4	15.6 V	691	6580 P-L	1992 02 23.21287	09 50 49.65	+20 31 53.6	17.6 V	691
1994 RK ₁₁	1994 09 11.30171	23 21 42.08	-01 47 04.5		691	6580 P-L	1992 02 23.24464	09 50 47.57	+20 32 04.7		691
1994 RK ₁₁	1994 09 11.32520	23 21 40.84	-01 47 10.1		691	6580 P-L	1992 02 23.27026	09 50 45.82	+20 32 13.0		691
1994 RL ₁₁	* 1994 09 12.32340	00 18 13.94	+03 10 13.5	18.7 V	691	7609 P-L	1992 11 24.10306	03 24 50.18	+20 48 05.5	18.5 V	691
1994 RL ₁₁	1994 09 12.34509	00 18 13.26	+03 10 23.4	18.5 V	691	7609 P-L	1992 11 24.12598	03 24 48.56	+20 48 03.6		691
1994 RL ₁₁	1994 09 12.36751	00 18 12.57	+03 10 32.7	18.6 V	691	7609 P-L	1992 11 24.15016	03 24 46.83	+20 48 01.7		691
1994 RL ₁₁	1994 09 14.33791	00 17 21.72	+03 24 33.5	18.5 V	691	4261 T-2	1993 04 14.15356	11 57 58.37	+05 44 56.7	19.2 V	691
1994 RL ₁₁	1994 09 14.35929	00 17 20.96	+03 24 42.5	18.7 V	691	4261 T-2	1993 04 14.18581	11 57 57.03	+05 45 00.4		691
1994 RL ₁₁	1994 09 14.38063	00 17 20.24	+03 24 51.3	18.6 V	691	4261 T-2	1993 04 14.21779	11 57 55.74	+05 45 04.3		691
1994 RL ₁₁	1994 09 27.31117	00 10 30.97	+04 40 14.2	18.3 V	691	2206 T-3	1994 05 02.23324	14 01 55.11	-15 13 57.4		691
1994 RL ₁₁	1994 09 27.33435	00 10 30.06	+04 40 20.9	18.3 V	691	2206 T-3	1994 05 02.25742	14 01 53.89	-15 13 51.1	19.1 V	691
1994 RL ₁₁	1994 09 27.35781	00 10 29.12	+04 40 27.6	18.3 V	691	2206 T-3	1994 05 02.29238	14 01 52.17	-15 13 40.6		691
1994 SA	* 1994 09 27.37683	00 45 29.72	+01 56 15.2	20.6 V	691	2369 T-3	1991 11 06.08821	01 55 18.65	+16 37 25.0	19.3 V	691
1994 SA	1994 09 27.40019	00 45 27.92	+01 56 05.8	20.3 V	691	2369 T-3	1991 11 06.11193	01 55 17.27	+16 37 15.3		691
1994 SA	1994 09 27.42353	00 45 26.07	+01 55 56.7	19.9 V	691	2369 T-3	1991 11 06.13259	01 55 16.08	+16 37 07.1		691
1994 SA	1994 09 28.30422	00 44 21.49	+01 50 04.1	20.2 V	691	(637)	1994 09 28.36389	00 27 35.53	+03 03 44.5	16.1 V	691
1994 SA	1994 09 28.32760	00 44 19.65	+01 49 55.0	21.0 V	691	(637)	1994 09 28.38708	00 27 34.51	+03 03 38.1	16.1 V	691
1994 SA	1994 09 28.35097	00 44 17.85	+01 49 45.2	20.7 V	691	(637)	1994 09 28.41023	00 27 33.50	+03 03 31.8	16.1 V	691
1994 SA	1994 09 29.26434	00 43 10.22	+01 43 38.8	20.2 V	691	(637)	1994 10 04.32696	00 23 19.73	+02 36 36.3	16.2 V	691
1994 SA	1994 09 29.28754	00 43 08.36	+01 43 29.3	20.2 V	691	(637)	1994 10 04.35028	00 23 18.70	+02 36 30.1	16.3 V	691
1994 SA	1994 09 29.31114	00 43 06.52	+01 43 20.3	20.2 V	691	(637)	1994 10 11.22661	00 18 30.99	+02 05 53.0	16.2 V	691
1994 TA ₂	* 1994 10 09.19930	00 25 48.14	+06 06 01.2	19.5 V	691	(637)	1994 10 11.25016	00 18 30.01	+02 05 46.9	16.3 V	691
1994 TA ₂	1994 10 09.22340	00 25 48.41	+06 05 37.5	20.2 V	691	(637)	1994 10 11.27339	00 18 29.03	+02 05 40.7	16.3 V	691
1994 TA ₂	1994 10 09.24790	00 25 48.67	+06 05 13.2	20.1 V	691	(3288)	1994 09 27.12658	23 12 31.49	+02 02 37.5	19.0 V	691
1994 TA ₂	1994 10 10.18367	00 26 04.09	+05 50 03.0		691	(3288)	1994 09 27.14959	23 12 30.16	+02 02 25.6	19.2 V	691
1994 TA ₂	1994 10 10.19327	00 26 04.14	+05 49 50.9	20.2 V	691	693 University of Arizona, Catalina Station					
1994 TA ₂	1994 10 10.20156	00 26 04.22	+05 49 44.0	20.6 V	691	C. W. Hergenrother, Lunar and Planetary Laboratory, University of Arizona,					
1994 TA ₂	1994 10 10.20937	00 26 04.34	+05 49 35.4	19.9 V	691	Tucson, AZ 85721, U.S.A. [chergen@comet.lpl.arizona.edu]					
1994 TA ₂	1994 10 10.21581	00 26 04.39	+05 49 29.3		691	Observers T. B. Spahr, C. W. Hergenrother					
1994 TA ₂	1994 10 10.39899	00 26 06.21	+05 46 33.3	19.7 V	691	Measurer C. W. Hergenrother					
1994 TA ₂	1994 10 10.40662	00 26 06.32	+05 46 25.7	19.6 V	691	0.41-m <i>f</i> /3 Schmidt, 1.5-m reflector + CCD					
1994 TA ₂	1994 10 10.41429	00 26 06.38	+05 46 18.7	19.8 V	691	1990 KT	1994 08 02.29648	21 20 10.66	+21 38 09.0	17.0 V	693
1994 TA ₂	1994 10 11.29638	00 26 21.79	+05 32 26.2		691	1990 KT	1994 08 02.31601	21 20 09.49	+21 38 03.7		693

1990 KT	1994 08 03.25059	21 19 25.89	+21 32 49.9	17.3 V	693
1990 KT	1994 08 03.26756	21 19 25.09	+21 32 45.8		693
1994 PK	1994 07 06.38605	20 48 04.82	+17 56 28.3	16.3 V	693
1994 PK	1994 07 06.40743	20 48 03.93	+17 56 48.9		693
1994 PK	1994 07 08.43194	20 46 42.75	+18 28 17.9	16.0 V	693
1994 PK	1994 08 05.24547	20 19 37.57	+22 09 41.6	16.6 V	693
1994 PK	1994 08 05.27133	20 19 35.76	+22 09 42.0		693
1994 PL	1994 09 16.38990	23 59 40.97	+34 36 49.5	15.6 R	693
1994 PL	1994 09 16.39156	23 59 40.79	+34 36 47.9		693
1994 PL	1994 09 16.40373	23 59 40.46	+34 36 35.6		693
1994 PL	1994 09 16.40588	23 59 40.38	+34 36 33.5		693

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0.61-m reflector + CCD

GSC

1994 TB	1994 10 07.99333	23 13 44.22	+02 39 18.8	22.0 I	786
1994 TB	1994 10 11.00456	23 13 29.49	+02 37 30.5		786

801 Oak Ridge

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Observer R. E. McCrosky

1.5-m reflector + CCD

GSC

1932 CP	1994 10 04.21036	00 47 53.48	+02 34 17.6		801
1932 CP	1994 10 04.22280	00 47 52.64	+02 34 15.3		801
1932 CP	1994 10 05.16301	00 46 51.89	+02 31 11.3		801
1932 CP	1994 10 05.17774	00 46 50.90	+02 31 08.7		801
1951 WH	1994 10 08.04523	21 54 55.96	-21 11 16.1	F	801
1951 WH	1994 10 08.07348	21 54 56.04	-21 11 06.6	F	801
1971 BD ₃	1994 10 07.29891	03 10 29.06	+21 23 45.0		801
1971 BD ₃	1994 10 07.33584	03 10 28.19	+21 23 40.3		801
1971 BD ₃	1994 10 08.28756	03 10 09.13	+21 21 48.3		801
1971 BD ₃	1994 10 08.33037	03 10 08.11	+21 21 42.5		801
1971 QN	1994 10 04.23865	02 11 28.94	+18 26 39.6		801
1971 QN	1994 10 04.25832	02 11 27.91	+18 26 34.6		801
1971 QN	1994 10 07.26315	02 08 55.64	+18 12 49.4		801
1971 RA	1994 10 01.30392	02 43 09.87	+07 20 47.7		801
1971 RA	1994 10 03.29238	02 41 53.62	+07 13 57.9		801
1971 RA	1994 10 03.31238	02 41 52.76	+07 13 53.2		801
1971 TF	1994 10 03.31794	04 16 26.24	+23 59 35.3	W	801
1971 TF	1994 10 07.35060	04 17 33.80	+24 09 52.2		801
1971 TF	1994 10 07.40176	04 17 34.24	+24 09 59.8		801
1971 TY ₂	1994 10 04.18955	00 19 27.70	+17 45 23.2		801
1971 TY ₂	1994 10 04.20590	00 19 26.82	+17 45 18.3		801
1971 TY ₂	1994 10 05.09897	00 18 39.53	+17 40 33.3		801
1971 TY ₂	1994 10 05.11498	00 18 38.69	+17 40 27.9		801
1971 UN	1994 10 04.23003	02 05 14.64	+08 21 11.3		801
1971 UN	1994 10 04.24536	02 05 13.74	+08 21 11.9		801
1971 UD ₁	1994 10 01.27100	02 06 54.36	+09 34 35.7		801
1971 UD ₁	1994 10 01.29126	02 06 53.54	+09 34 30.8		801

1971 UD ₁	1994 10 03.28531	02 05 34.27	+09 26 24.7		801
1973 RF	1994 10 08.28387	02 56 04.86	+30 18 09.8		801
1973 RF	1994 10 08.30895	02 56 03.63	+30 18 21.8		801
1975 RA ₂	1994 10 08.21858	01 59 23.37	+09 37 55.4		801
1975 RA ₂	1994 10 08.23316	01 59 22.04	+09 38 04.8		801
1975 RA ₂	1994 10 09.22402	01 57 52.81	+09 49 02.8		801
1975 RA ₂	1994 10 09.23538	01 57 51.77	+09 49 10.5		801
1976 YA	1994 10 01.09772	22 11 27.29	+12 40 51.5		801
1976 YA	1994 10 01.11905	22 11 26.68	+12 40 39.7		801
1976 YA	1994 10 04.09670	22 10 12.17	+12 13 16.1		801
1976 YA	1994 10 04.11671	22 10 11.68	+12 13 04.8		801
1977 FT	1994 10 01.31630	02 49 36.57	+23 20 38.5		801
1977 FT	1994 10 01.32985	02 49 36.35	+23 20 24.0		801
1977 FT	1994 10 03.29722	02 49 09.71	+22 44 39.5		801
1977 FT	1994 10 03.31025	02 49 09.50	+22 44 24.3		801
1977 RF ₂	1994 10 08.21189	01 44 47.48	+15 44 53.7		801
1977 RF ₂	1994 10 08.22726	01 44 46.46	+15 44 51.7		801
1977 RL ₇	1994 10 04.00436	20 12 06.59	-06 36 24.3	V	801
1977 RL ₇	1994 10 04.02675	20 12 07.40	-06 36 32.9	V	801
1977 VL ₁	1994 10 04.32683	03 43 20.95	+17 21 21.3		801
1977 VL ₁	1994 10 04.39255	03 43 20.65	+17 21 33.3		801
1977 VL ₁	1994 10 07.32977	03 43 05.21	+17 29 40.5		801
1977 VL ₁	1994 10 07.38330	03 43 04.61	+17 29 48.8		801
1978 NQ ₁	1994 10 04.01892	20 43 58.60	-12 49 30.2		801
1978 NQ ₁	1994 10 04.03932	20 43 59.61	-12 49 26.7		801
1978 SP ₄	1994 10 04.33629	04 30 30.77	+29 51 43.6		801
1978 SP ₄	1994 10 04.37563	04 30 30.98	+29 51 57.3		801
1978 SP ₄	1994 10 07.35777	04 30 39.08	+30 07 56.0		801
1978 SP ₄	1994 10 07.39123	04 30 39.07	+30 08 06.4		801
1978 TO ₈	1994 10 03.26493	01 58 40.42	+12 24 41.7		801
1978 TO ₈	1994 10 03.28286	01 58 39.71	+12 24 38.1		801
1978 TO ₈	1994 10 07.24145	01 56 07.10	+12 09 15.6		801
1978 TO ₈	1994 10 07.25920	01 56 06.32	+12 09 11.3		801
1979 MX ₆	1994 10 04.15780	23 36 13.26	+08 31 58.9		801
1979 MX ₆	1994 10 04.17289	23 36 12.47	+08 31 51.8		801
1979 MX ₆	1994 10 07.14824	23 33 57.52	+08 08 49.8		801
1979 QB ₁₀	1994 10 08.24538	02 32 20.32	+17 02 33.7		801
1979 QB ₁₀	1994 10 08.26742	02 32 19.23	+17 02 30.9		801
1979 WX ₃	1994 10 04.28770	02 38 19.55	+11 41 42.3	w	801
1979 WX ₃	1994 10 07.26832	02 36 53.15	+11 31 08.8		801
1979 WX ₃	1994 10 07.29111	02 36 52.37	+11 31 04.3		801
1980 FJ ₁	1994 10 03.16017	00 08 19.31	+07 57 52.0		801
1980 FJ ₁	1994 10 03.17826	00 08 18.29	+07 57 51.6		801
1980 FJ ₁	1994 10 07.18376	00 04 40.41	+07 57 12.3		801
1980 FJ ₁	1994 10 07.19712	00 04 39.68	+07 57 12.1		801
1980 RD ₁	1994 10 08.24781	02 37 12.05	+21 50 13.9		801
1980 RD ₁	1994 10 08.27006	02 37 11.15	+21 50 11.5		801
1981 DE	1994 10 03.22545	01 44 05.06	+17 43 26.2		801
1981 DE	1994 10 03.24458	01 44 04.14	+17 43 20.2		801
1981 DE	1994 10 07.23204	01 40 52.64	+17 21 08.7		801
1981 DE	1994 10 07.24769	01 40 51.79	+17 21 03.4		801
1981 DB ₁	1994 10 03.21879	01 23 41.77	+14 04 53.0		801

1981 DB ₁	1994 10 03.23685	01 23 41.08	+14 04 41.5	801	1987 QH ₃	1994 10 04.18149	23 42 28.72	-00 13 52.9	801
1981 DB ₁	1994 10 05.21472	01 22 25.44	+13 43 37.9	801	1987 QH ₃	1994 10 07.15127	23 39 46.26	-00 17 05.1	801
1981 DB ₁	1994 10 05.22288	01 22 25.10	+13 43 32.7	801	1987 QH ₃	1994 10 07.16988	23 39 45.25	-00 17 06.0	801
1981 EX ₄	1994 10 05.14399	00 43 59.66	+13 15 01.4	801	1987 RU ₃	1994 10 03.31520	04 03 17.36	+21 23 53.2	801
1981 EX ₄	1994 10 05.15937	00 43 59.00	+13 14 50.9	801	1987 RU ₃	1994 10 03.36094	04 03 17.96	+21 23 49.9	801
1981 EX ₄	1994 10 07.21150	00 42 36.66	+12 51 03.4	801	1987 RU ₃	1994 10 07.33223	04 04 03.02	+21 17 09.8	801
1981 EX ₄	1994 10 07.22571	00 42 36.13	+12 50 53.4	801	1987 RU ₃	1994 10 07.40507	04 04 03.25	+21 17 01.1	801
1981 ES ₈	1994 10 04.25061	02 30 46.34	+14 15 12.7	801	1987 SW ₁	1994 10 04.06323	21 56 21.25	+01 39 31.2	801
1981 ES ₈	1994 10 04.27111	02 30 45.65	+14 15 04.7	801	1987 SW ₁	1994 10 07.07321	21 56 29.76	+01 09 06.4	801
1981 ES ₈	1994 10 07.25715	02 29 11.19	+13 55 51.9	801	1987 SW ₁	1994 10 07.10434	21 56 29.87	+01 08 48.2	801
1981 ES ₈	1994 10 07.27562	02 29 10.50	+13 55 44.7	801	1987 SH ₂	1994 10 07.09226	22 48 37.27	-08 08 20.7	801
1981 UT	1994 10 01.10388	22 51 03.33	-07 15 41.2	801	1987 SH ₂	1994 10 07.11563	22 48 36.78	-08 08 31.0	801
1981 UT	1994 10 01.13076	22 51 02.12	-07 15 44.0	801	1987 UT	1994 10 07.04840	21 01 54.41	-11 30 22.0	801
1981 UT	1994 10 04.14411	22 49 05.00	-07 21 02.5	801	1987 UT	1994 10 07.06515	21 01 55.21	-11 30 17.9	801
1982 US ₆	1994 10 01.29604	02 08 50.46	+06 18 07.3	801	1987 UQ ₃	1994 10 03.21413	00 56 06.47	-06 33 22.1	801
1982 US ₆	1994 10 07.24428	02 04 06.05	+06 15 00.5	801	1987 UQ ₃	1994 10 03.23235	00 56 05.37	-06 33 26.5	801
1982 US ₆	1994 10 07.26111	02 04 05.13	+06 14 59.8	801	1987 UQ ₃	1994 10 08.18461	00 51 20.85	-06 52 16.0	801
1982 UE ₁₂	1994 10 05.21120	01 12 29.89	+21 20 30.7	801	1987 UQ ₃	1994 10 08.19874	00 51 20.00	-06 52 18.6	801
1982 UE ₁₂	1994 10 06.20581	01 11 30.05	+21 18 55.5	801	1987 YD	1994 10 08.35425	04 51 16.56	+19 12 29.6	801
1982 UE ₁₂	1994 10 06.22010	01 11 29.19	+21 18 53.4	801	1987 YD	1994 10 08.38230	04 51 17.27	+19 12 35.7	801
1983 TR ₂	1994 10 03.30582	03 04 23.77	+22 58 58.6	801	1988 AX ₄	1994 10 08.13434	22 55 56.34	-06 59 44.3	801
1983 TR ₂	1994 10 03.33101	03 04 22.87	+22 59 04.7	801	1988 AX ₄	1994 10 08.15765	22 55 55.94	-06 59 53.1	801
1983 TR ₂	1994 10 07.28074	03 01 52.13	+23 13 58.9	801	1988 BX	1994 10 08.00875	20 00 05.01	-00 50 49.2	801
1983 TR ₂	1994 10 07.30109	03 01 51.27	+23 14 03.2	801	1988 BX	1994 10 08.02373	20 00 05.72	-00 50 47.6	801
1983 XG	1994 10 01.28534	02 10 41.50	+13 40 27.3	801	1988 CC ₂	1994 10 04.31507	03 30 00.70	+26 27 30.0	801
1983 XG	1994 10 01.30896	02 10 40.82	+13 40 20.7	801	1988 CC ₂	1994 10 04.36800	03 30 00.63	+26 27 41.6	801
1983 XG	1994 10 04.23678	02 09 05.26	+13 26 31.6	801	1988 CC ₂	1994 10 07.31613	03 29 54.05	+26 37 32.1	801
1983 XW	1994 10 01.22927	01 52 17.49	+11 22 03.2	801	1988 CC ₂	1994 10 07.38118	03 29 53.43	+26 37 43.6	801
1983 XW	1994 10 01.25759	01 52 16.51	+11 21 57.6	801	1988 RD ₅	1994 10 01.23108	01 53 28.09	+09 54 44.1	801
1983 XW	1994 10 03.25316	01 51 03.72	+11 15 35.6	801	1988 RD ₅	1994 10 03.25650	01 52 10.65	+09 48 34.8	801
1983 XW	1994 10 03.27333	01 51 03.00	+11 15 31.9	801	1988 RD ₅	1994 10 03.27536	01 52 09.85	+09 48 31.3	801
1984 SB ₁	1994 10 08.25438	02 49 20.90	+23 38 16.0	801	1989 BG	1994 10 03.19325	00 48 54.46	+15 01 41.1	801
1984 SB ₁	1994 10 08.27571	02 49 19.85	+23 38 18.0	801	1989 BG	1994 10 03.20736	00 48 53.54	+15 01 38.3	801
1984 SR ₂	1994 10 03.16468	00 16 31.08	+10 47 04.6	801	1989 BG	1994 10 05.16979	00 46 47.85	+14 54 50.1	801
1984 SR ₂	1994 10 03.18148	00 16 30.06	+10 47 00.9	801	1989 CN	1994 10 04.26690	02 56 09.71	+14 36 15.2	801
1984 SR ₂	1994 10 06.16209	00 13 38.39	+10 35 52.7	801	1989 CN	1994 10 04.28949	02 56 09.09	+14 36 11.2	801
1984 SR ₂	1994 10 06.17902	00 13 37.40	+10 35 48.2	801	1989 CN	1994 10 07.27204	02 54 45.08	+14 26 31.6	801
1985 CZ ₁	1994 10 01.22606	01 49 56.91	+22 11 38.4	801	1989 CN	1994 10 07.29535	02 54 44.24	+14 26 27.0	801
1985 CZ ₁	1994 10 01.24120	01 49 56.22	+22 11 38.0	801	1989 EW ₁	1994 10 01.22207	01 48 21.65	+10 40 26.4	801
1985 CZ ₁	1994 10 03.24940	01 48 17.49	+22 09 18.2	801	1989 EW ₁	1994 10 01.23873	01 48 20.80	+10 40 24.4	801
1985 CZ ₁	1994 10 03.26925	01 48 16.31	+22 09 16.2	801	1989 EW ₁	1994 10 03.23064	01 46 44.33	+10 35 44.1	801
1986 CE ₂	1994 10 06.19963	01 07 23.16	+10 00 49.9	801	1989 EW ₁	1994 10 03.24728	01 46 43.43	+10 35 41.7	801
1986 CE ₂	1994 10 06.21155	01 07 22.47	+10 00 48.8	801	1989 EY ₂	1994 10 03.18588	00 32 52.28	+13 29 58.9	801
1986 CE ₂	1994 10 08.18716	01 05 13.62	+09 54 03.9	801	1989 EY ₂	1994 10 03.19885	00 32 51.55	+13 29 52.2	801
1986 CE ₂	1994 10 08.20168	01 05 12.63	+09 54 00.7	801	1989 EY ₂	1994 10 05.11111	00 31 09.11	+13 13 41.4	801
1986 QX ₃	1994 10 07.20008	00 36 57.56	-02 21 20.9	801	1989 EY ₂	1994 10 05.13848	00 31 07.58	+13 13 27.4	801
1986 QX ₃	1994 10 07.21382	00 36 56.79	-02 21 25.3	801	1989 GG ₄	1994 10 04.10403	22 16 54.91	-04 02 13.8	801
1986 RW	1994 10 04.38155	06 05 13.58	+32 28 22.9	801	1989 GG ₄	1994 10 04.12949	22 16 54.35	-04 02 22.5	801
1986 RW	1994 10 04.39714	06 05 14.96	+32 28 24.8	801	1989 HD	1994 10 07.15428	23 43 36.32	-15 31 22.9	F 801
1986 SZ ₁	1994 10 08.02001	20 21 50.13	-04 25 46.9	801	1989 HD	1994 10 07.17600	23 43 35.53	-15 31 29.8	F 801
1986 SZ ₁	1994 10 08.05569	20 21 50.77	-04 25 53.5	801	1989 LA	1994 09 08.23640	00 28 58.81	-02 28 43.6	r 801
1987 QH ₃	1994 10 04.16809	23 42 29.46	-00 13 52.3	801	1989 LA	1994 09 08.25892	00 28 57.81	-02 28 52.2	r 801

1989 LA	1994 10 04.18693	00 07 59.42	-05 14 31.3	801	1990 UJ ₂	1994 10 08.15189	23 26 49.92	-10 36 47.0	801
1989 LA	1994 10 04.20161	00 07 58.71	-05 14 36.2	801	1990 UJ ₂	1994 10 08.18021	23 26 49.07	-10 36 52.5	801
1989 LA	1994 10 07.18615	00 05 39.23	-05 30 04.2	801	1990 VY ₂	1994 10 08.30650	03 40 21.88	+23 32 12.7	801
1989 LA	1994 10 07.20361	00 05 38.40	-05 30 09.4	801	1990 VY ₂	1994 10 08.34434	03 40 20.99	+23 32 16.7	801
1989 RW	1994 10 01.10090	22 38 57.79	+02 18 53.7	801	1990 WB ₃	1994 10 08.14013	23 11 45.86	-14 29 47.7	801
1989 RW	1994 10 01.12750	22 38 57.08	+02 18 43.3	801	1990 WB ₃	1994 10 08.16260	23 11 45.12	-14 29 48.9	801
1989 RW	1994 10 04.11190	22 37 39.73	+01 56 36.5	801	1990 YH	1994 10 08.15362	23 49 58.63	-13 16 36.9	801
1989 RW	1994 10 04.13622	22 37 39.10	+01 56 26.3	801	1990 YH	1994 10 08.17159	23 49 57.90	-13 16 41.7	801
1989 RB ₂	1994 09 08.27910	01 05 03.51	+16 22 41.3	V 801	1991 AF ₁	1994 10 03.18384	00 28 43.38	+17 53 36.1	801
1989 RB ₂	1994 09 08.29978	01 05 02.74	+16 22 40.1	801	1991 AF ₁	1994 10 03.20079	00 28 42.56	+17 53 31.6	801
1989 RB ₂	1994 10 01.17112	00 48 18.37	+15 18 22.0	801	1991 AF ₁	1994 10 05.10652	00 27 08.06	+17 45 46.9	801
1989 RB ₂	1994 10 01.18750	00 48 17.52	+15 18 18.0	801	1991 AF ₁	1994 10 05.12270	00 27 07.20	+17 45 42.7	801
1989 RB ₂	1994 10 03.19091	00 46 37.12	+15 09 21.0	801	1991 BY	1994 10 04.17911	23 49 26.33	+10 14 52.5	801
1989 RB ₂	1994 10 03.20523	00 46 36.45	+15 09 17.2	801	1991 BY	1994 10 04.19516	23 49 25.50	+10 14 50.6	801
1989 TG	1994 10 08.05169	22 15 37.64	-06 55 46.1	801	1991 BY	1994 10 05.09216	23 48 41.75	+10 12 59.3	801
1989 TG	1994 10 08.08984	22 15 36.83	-06 55 45.8	801	1991 BY	1994 10 05.10267	23 48 41.29	+10 12 57.5	801
1990 KM	1994 10 04.01050	20 37 08.05	+05 09 19.2	801	1991 JF ₁	1994 10 06.97568	17 25 13.23	+02 27 54.3	801
1990 KM	1994 10 07.01986	20 38 46.62	+04 34 48.7	801	1991 JF ₁	1994 10 06.98331	17 25 14.03	+02 27 53.0	801
1990 KM	1994 10 07.03529	20 38 47.11	+04 34 38.0	801	1991 NF	1994 10 01.09380	22 03 22.44	+33 34 41.6	801
1990 KO	1994 10 07.27809	02 54 35.06	+32 26 06.3	801	1991 NF	1994 10 01.10741	22 03 21.81	+33 34 33.3	801
1990 KO	1994 10 07.29343	02 54 34.33	+32 25 56.7	801	1991 NF	1994 10 04.09451	22 01 23.00	+33 04 52.9	801
1990 KO	1994 10 08.25684	02 53 51.89	+32 15 26.4	801	1991 NF	1994 10 04.11451	22 01 22.29	+33 04 40.7	801
1990 KO	1994 10 08.27811	02 53 50.89	+32 15 11.9	801	1991 VB ₃	1994 10 01.17345	01 23 18.76	+17 22 12.9	801
1990 KB ₁	1994 10 04.26455	02 52 30.58	-01 57 54.4	801	1991 VB ₃	1994 10 04.21402	01 20 35.72	+17 04 08.9	801
1990 KB ₁	1994 10 04.28134	02 52 29.79	-01 58 01.9	801	1991 VB ₃	1994 10 04.22808	01 20 34.87	+17 04 03.4	801
1990 KB ₁	1994 10 07.27027	02 50 14.26	-02 20 31.9	801	1991 YH	1994 10 07.31785	03 34 02.12	+20 46 56.4	801
1990 KB ₁	1994 10 07.28584	02 50 13.48	-02 20 39.1	801	1991 YH	1994 10 07.35335	03 34 01.25	+20 47 03.2	801
1990 OO ₃	1994 10 07.13961	23 15 47.98	-10 11 22.0	801	1991 YH	1994 10 08.30184	03 33 40.74	+20 49 56.1	801
1990 OO ₃	1994 10 07.16229	23 15 47.13	-10 11 29.8	801	1991 YH	1994 10 08.33331	03 33 39.96	+20 50 01.5	801
1990 QM	1994 10 01.17939	00 56 23.15	+03 15 21.3	801	1992 AD ₁	1994 10 04.15557	23 35 52.44	+17 14 19.8	801
1990 QM	1994 10 04.20830	00 53 37.76	+02 54 00.9	801	1992 AD ₁	1994 10 04.17058	23 35 51.66	+17 14 12.3	801
1990 QM	1994 10 04.22086	00 53 37.03	+02 53 55.1	801	1992 AD ₁	1994 10 06.15679	23 34 21.00	+17 00 38.3	801
1990 QH ₁	1994 10 08.26002	02 56 21.72	+24 10 59.9	801	1992 AD ₁	1994 10 06.16843	23 34 20.49	+17 00 31.7	801
1990 QH ₁	1994 10 08.28096	02 56 20.83	+24 11 01.1	801	1992 AF ₁	1994 10 04.32402	03 36 19.57	+20 49 24.0	801
1990 QY ₃	1994 10 07.18161	23 59 50.67	+02 30 05.3	801	1992 AF ₁	1994 10 04.37279	03 36 19.07	+20 49 32.3	801
1990 QY ₃	1994 10 07.19517	23 59 49.93	+02 30 00.6	801	1992 AF ₁	1994 10 07.32019	03 35 47.94	+20 57 31.2	801
1990 RE ₂	1994 10 01.27958	02 09 27.83	+12 18 20.3	801	1992 AF ₁	1994 10 07.37882	03 35 46.98	+20 57 40.1	801
1990 RE ₂	1994 10 01.30699	02 09 27.04	+12 18 12.0	801	1992 AT ₁	1994 10 04.24860	02 25 19.90	+03 12 45.5	801
1990 RE ₂	1994 10 04.23486	02 07 59.90	+12 01 21.4	801	1992 AT ₁	1994 10 04.26889	02 25 19.12	+03 12 38.5	801
1990 RC ₃	1994 10 03.19678	00 47 23.52	+07 09 57.6	801	1992 AT ₁	1994 10 07.25521	02 23 21.50	+02 54 55.7	801
1990 RC ₃	1994 10 03.21154	00 47 22.72	+07 09 51.1	801	1992 AT ₁	1994 10 07.27366	02 23 20.68	+02 54 48.8	801
1990 RC ₃	1994 10 05.15172	00 45 37.75	+06 56 19.8	801	1992 BK ₁	1994 10 06.13845	22 57 21.74	+08 22 48.8	801
1990 RC ₃	1994 10 05.16618	00 45 36.95	+06 56 13.6	801	1992 BK ₁	1994 10 06.14939	22 57 21.28	+08 22 46.0	801
1990 RW ₃	1994 10 08.30435	03 37 54.89	+19 21 39.5	801	1992 BK ₁	1994 10 08.13660	22 55 59.10	+08 14 13.4	801
1990 RW ₃	1994 10 08.33854	03 37 54.01	+19 21 39.2	801	1992 BK ₁	1994 10 08.15593	22 55 58.34	+08 14 08.0	801
1990 RA ₅	1994 10 07.10927	22 28 33.37	-04 40 30.5	V 801	1992 CG ₁	1993 07 22.08119	17 14 44.82	-21 15 55.7	801
1990 TN	1994 10 08.37324	05 30 22.97	+27 38 41.9	801	1992 CG ₁	1993 07 22.12586	17 14 43.85	-21 15 58.6	801
1990 TN	1994 10 08.39553	05 30 23.83	+27 38 50.2	801	1992 ED ₁	1994 10 03.15125	23 02 45.15	+15 04 26.6	801
1990 TM ₇	1994 10 01.24900	02 00 39.81	+10 28 06.8	801	1992 ED ₁	1994 10 03.17063	23 02 44.41	+15 04 15.3	801
1990 TM ₇	1994 10 01.26785	02 00 38.83	+10 28 05.7	801	1992 ED ₁	1994 10 06.14365	23 00 57.31	+14 34 18.1	801
1990 TM ₇	1994 10 04.21899	01 58 04.35	+10 24 53.6	801	1992 ED ₁	1994 10 06.15295	23 00 57.03	+14 34 12.4	801
1990 TM ₇	1994 10 04.23306	01 58 03.55	+10 24 52.9	801	1992 TC	1994 10 04.34983	05 27 41.32	-02 49 10.3	801

1992 TC	1994 10 08.37713	05 34 54.35	-02 03 03.3	801	1994 PL	1994 10 03.16752	23 50 53.55	+28 38 43.8	801
1992 TC	1994 10 08.38684	05 34 55.26	-02 02 56.3	801	1994 PL	1994 10 06.16563	23 49 40.16	+27 20 42.1	801
1992 YC ₃	1994 10 04.01514	20 38 22.73	+06 57 43.8	801	1994 PL	1994 10 06.17594	23 49 39.87	+27 20 25.5	801
1992 YC ₃	1994 10 04.04718	20 38 23.13	+06 57 37.5	801	1994 RH	1994 10 04.05446	21 43 54.82	+06 23 29.9	801
1992 YC ₃	1994 10 07.02383	20 39 23.44	+06 47 58.6	801	1994 RH	1994 10 04.06662	21 43 53.88	+06 23 38.6	801
1992 YC ₃	1994 10 07.05175	20 39 24.04	+06 47 53.6	801	2527 P-L	1994 10 07.31443	03 26 43.70	+06 01 19.7	801
1993 CP ₁	1994 07 13.22230	20 50 55.89	-03 10 52.2	801	2527 P-L	1994 10 07.33410	03 26 43.60	+06 01 05.7	801
1993 CP ₁	1994 07 13.24740	20 50 54.82	-03 10 59.9	801	2527 P-L	1994 10 08.29720	03 26 38.32	+05 49 59.0	801
1993 FP	1994 10 08.10177	22 53 57.99	-05 54 03.8	801	2527 P-L	1994 10 08.31490	03 26 38.23	+05 49 46.7	801
1993 FP	1994 10 08.12690	22 53 57.28	-05 54 10.5	801	2630 P-L	1994 10 07.19131	00 23 46.97	-00 10 48.1	801
1993 FC ₁	1994 10 07.01104	21 54 53.02	+01 25 15.8	801	2630 P-L	1994 10 07.20910	00 23 45.96	-00 10 51.3	801
1993 FC ₁	1994 10 07.03220	21 54 52.76	+01 25 06.4	801	3535 P-L	1994 10 05.17427	01 05 32.45	+20 38 00.2	801
1993 FZ ₁₂	1994 09 03.05569	20 12 31.66	-20 20 09.7	F 801	3535 P-L	1994 10 05.20756	01 05 30.19	+20 37 55.9	801
1993 FZ ₁₂	1994 09 03.08424	20 12 31.20	-20 20 15.3	F 801	3535 P-L	1994 10 07.21662	01 03 18.05	+20 33 32.9	801
1993 FG ₂₃	1994 09 03.18766	22 35 06.99	-05 00 50.1	801	3535 P-L	1994 10 07.22932	01 03 17.19	+20 33 31.5	801
1993 FG ₂₃	1994 09 03.20497	22 35 05.94	-05 00 56.0	801	3538 P-L	1994 10 08.29009	03 15 44.05	+26 47 58.0	801
1993 FG ₂₃	1994 10 07.07860	22 11 15.72	-07 40 07.5	801	3538 P-L	1994 10 08.34170	03 15 43.05	+26 48 00.7	801
1993 FG ₂₃	1994 10 07.12128	22 11 15.14	-07 40 13.9	801	4015 P-L	1994 10 05.11878	00 34 05.39	+06 54 30.9	V 801
1993 FL ₂₄	1994 10 08.09633	22 50 17.31	-06 28 34.6	801	4015 P-L	1994 10 05.13446	00 34 04.34	+06 54 25.0	V 801
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1993 FX ₇₉	1994 10 08.08332	22 38 47.11	-07 21 05.9	F 801	4015 P-L	1994 10 06.19602	00 33 06.62	+06 48 44.5	801
1993 FX ₇₉	1994 10 08.12193	22 38 46.43	-07 21 13.2	F 801	3332 T-1	1994 10 03.32065	04 39 39.17	+24 26 20.8	801
1993 HL	1994 10 03.22309	01 40 49.81	-02 06 09.7	801	3332 T-1	1994 10 03.33949	04 39 40.03	+24 26 24.0	801
1993 HL	1994 10 03.24153	01 40 48.74	-02 06 09.5	801	3332 T-1	1994 10 07.38847	04 42 57.94	+24 34 18.6	801
1993 HL	1994 10 07.22387	01 36 53.08	-02 04 41.5	801	5140 T-2	1994 10 08.20999	01 39 27.10	+24 12 28.9	801
1993 HL	1994 10 07.23848	01 36 52.13	-02 04 40.7	801	5140 T-2	1994 10 08.23133	01 39 26.07	+24 12 24.7	801
1993 HY	1994 10 01.18331	01 09 58.01	-01 25 18.7	801	5148 T-2	1994 10 08.24295	02 31 25.98	+27 56 42.1	801
1993 HY	1994 10 01.20208	01 09 56.94	-01 25 25.6	801	5148 T-2	1994 10 08.26499	02 31 24.95	+27 56 43.1	801
1993 HY	1994 10 03.21639	01 08 09.96	-01 36 31.0	801	1076 T-3	1994 10 01.31230	02 48 39.82	+29 09 56.4	801
1993 HY	1994 10 03.23450	01 08 08.97	-01 36 37.7	801	1076 T-3	1994 10 01.33534	02 48 39.42	+29 10 00.8	801
1993 JF	1994 10 04.32894	03 37 34.63	+23 07 25.1	801	1076 T-3	1994 10 03.32895	02 47 59.99	+29 18 27.6	801
1993 JF	1994 10 04.37022	03 37 33.70	+23 07 20.5	801	1081 T-3	1994 10 07.30288	03 11 39.54	+23 53 37.2	801
1993 JF	1994 10 07.32797	03 36 28.32	+23 01 03.4	801	1081 T-3	1994 10 07.32418	03 11 38.88	+23 53 30.0	801
1993 JF	1994 10 07.35505	03 36 27.58	+23 00 59.6	801	1081 T-3	1994 10 08.29237	03 11 10.10	+23 47 43.6	801
1993 JJ	1994 10 07.30490	03 10 31.93	+09 51 39.5	801	5119 T-3	1994 10 08.14949	23 24 16.74	-03 00 29.9	801
1993 JJ	1994 10 07.32590	03 10 31.14	+09 51 35.7	801	5119 T-3	1994 10 08.15984	23 24 16.26	-03 00 40.2	801
1993 JV	1994 10 08.14510	23 18 56.18	-04 17 20.5	801	(1107)	1994 10 08.14013	23 11 45.24	-14 24 31.3	801
1993 JV	1994 10 08.16966	23 18 55.25	-04 17 25.0	801	(1107)	1994 10 08.16260	23 11 44.48	-14 24 34.3	801
1993 MA ₁	1994 10 08.19682	00 37 24.39	-07 19 03.3	801	(1383)	1994 10 08.30435	03 37 42.88	+19 23 26.4	801
1993 MS ₁	1994 10 07.34501	04 06 02.91	+21 13 10.3	801	(1383)	1994 10 08.33854	03 37 42.17	+19 23 24.4	801
1993 MS ₁	1994 10 07.38559	04 06 02.41	+21 13 01.0	801	(1620)	1994 10 07.01400	21 48 41.57	+12 16 07.5	801
1993 MS ₁	1994 10 08.32072	04 05 49.02	+21 09 29.6	801	(1620)	1994 10 07.02993	21 48 42.39	+12 16 11.9	801
1993 MS ₁	1994 10 08.36825	04 05 48.26	+21 09 18.4	801	(1620)	1994 10 08.03954	21 49 42.84	+12 20 30.7	801
1993 RX ₃	1994 10 08.29941	03 26 23.79	+37 27 21.6	801	(2212)	1994 10 01.17557	01 34 37.32	+02 07 46.1	801
1993 RX ₃	1994 10 08.33603	03 26 22.59	+37 27 24.5	801	(2212)	1994 10 01.18142	01 34 36.08	+02 07 42.9	801
1994 NO	1994 10 03.98571	19 42 12.35	+06 49 08.2	801	(2212)	1994 10 07.21854	01 15 06.55	+01 17 11.8	801
1994 NO	1994 10 03.99845	19 42 13.12	+06 49 02.6	I 801	(2212)	1994 10 07.22723	01 15 04.94	+01 17 07.8	801
1994 OC	1994 10 04.02197	20 52 49.07	-15 41 58.9	801	(5008)	1991 02 16.35867	11 43 03.92	+05 13 27.9	801
1994 OC	1994 10 04.08375	20 52 49.14	-15 41 45.0	801	(5008)	1991 02 16.38228	11 43 03.09	+05 13 38.3	801
1994 OC	1994 10 08.02677	20 53 15.85	-15 27 57.3	V 801	(5093)	1994 06 10.22898	17 58 37.49	-08 43 49.5	801
1994 OC	1994 10 08.06876	20 53 16.22	-15 27 49.4	V 801	(5093)	1994 06 10.24150	17 58 36.90	-08 43 47.2	801
1994 PL	1994 10 03.15444	23 50 54.06	+28 39 02.8	801	(5881)	1994 02 08.21510	08 13 28.25	+23 56 22.6	801

(5881)	1994 02 08.25358	08 13 26.37	+23 56 27.7	801	1987 DH ₆	1993 09 14.26632	23 44 20.85	+00 41 51.0	7 809
(5903)	1994 02 14.32446	11 45 57.91	+04 42 34.2	801	1987 DH ₆	1993 09 14.28715	23 44 19.66	+00 41 44.1	7 809
809 European Southern Observatory					1987 DH ₆	1993 09 19.22535	23 40 13.23	+00 15 00.0	7 809
H. Debehogne, Observatoire Royal de Belgique, Avenue Circulaire 3, B-1180					1987 DH ₆	1993 09 19.24618	23 40 12.13	+00 14 51.8	7 809
Brussels, Belgium [henri@astro.oma.be] (3)					1987 DH ₆	1993 09 19.26701	23 40 11.06	+00 14 45.3	7 809
E. W. Elst, Observatoire Royal de Belgique, Avenue Circulaire 3, B-1180 Brussels,					1988 FW ₂	1993 09 23.21076	00 14 16.64	+05 08 58.8	18.0 7 809
Belgium [elst@atmos.oma.be] (4)					1988 FW ₂	1993 09 23.23160	00 14 15.45	+05 08 47.5	7 809
R. M. West, European Southern Observatory, Karl-Schwarzschild-Strasse 2, D-					1988 FW ₂	1993 09 23.25243	00 14 14.32	+05 08 36.3	7 809
85748 Garching bei München, Germany [rwest@eso.org] (5)					1988 XC	1993 09 16.25521	00 19 01.74	+00 38 24.6	7 809
7 = 3 + 4					1988 XC	1993 09 16.27604	00 19 00.71	+00 38 20.3	7 809
C.-I. Lagerkvist, Uppsala Observatory, Box 515, S-75120 Uppsala, Sweden					1988 XC	1993 09 16.29688	00 18 59.64	+00 38 16.3	7 809
[classe@laban.uu.se] (8)					1988 XC	1993 09 23.21076	00 13 28.39	+00 13 50.9	18.2 7 809
Observers H. Debehogne, G. Pizarro, O. Pizarro, M. Lindgren, O. Hainaut					1988 XC	1993 09 23.23160	00 13 27.34	+00 13 46.2	7 809
Measurers E. W. Elst, O. Hernius, R. West					1988 XC	1993 09 23.25243	00 13 26.25	+00 13 40.9	7 809
1.0-m Schmidt					1989 TT	1993 09 14.24549	23 50 59.78	-01 34 13.8	18.0 7 809
1975 SX	1993 09 22.28229	00 40 09.59	+04 56 52.2	18.5 7 809	1989 TT	1993 09 14.26632	23 50 59.00	-01 34 37.1	7 809
1975 SX	1993 09 22.30312	00 40 08.57	+04 56 45.2	7 809	1989 TT	1993 09 14.28715	23 50 58.26	-01 34 59.9	7 809
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1981 EL ₂₄	1993 09 14.24549	23 43 43.32	-00 30 43.2	18.2 7 809	1991 FJ	1993 09 14.24549	23 41 28.65	-00 30 57.1	18.0 7 809
1981 EL ₂₄	1993 09 14.26632	23 43 42.16	-00 30 50.0	7 809	1991 FJ	1993 09 14.26632	23 41 27.51	-00 31 01.0	7 809
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1981 EL ₂₄	1993 09 19.24618	23 39 46.81	-00 54 30.0	7 809	1991 FJ	1993 09 19.24618	23 37 22.38	-00 44 19.1	7 809
1981 EL ₂₄	1993 09 19.26701	23 39 45.81	-00 54 36.9	7 809	1991 FJ	1993 09 19.26701	23 37 21.24	-00 44 21.8	7 809
1981 EB ₃₉	1993 09 16.25521	00 18 09.60	+02 39 11.3	7 809	1992 DG ₁	1993 09 14.24549	23 30 17.25	-02 34 42.0	18.2 7 809
1981 EB ₃₉	1993 09 16.27604	00 18 08.61	+02 38 59.2	7 809	1992 DG ₁	1993 09 14.26632	23 30 15.89	-02 34 48.3	7 809
1981 EB ₃₉	1993 09 16.29688	00 18 07.49	+02 38 45.7	7 809	1992 DG ₁	1993 09 14.28715	23 30 14.62	-02 34 53.6	7 809
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1981 ER ₄₃	1993 09 14.24549	23 32 39.91	-01 24 25.7	18.4 7 809	1992 DH ₁₀	1992 03 03.13333	10 14 08.52	+06 03 53.2	18.6 8 809
1981 ER ₄₃	1993 09 14.26632	23 32 38.86	-01 24 32.8	7 809	1992 DJ ₁₀	* 1992 02 29.16111	10 16 54.47	+03 24 24.9	18.6 8 809
1981 ER ₄₃	1993 09 14.28715	23 32 37.81	-01 24 39.4	7 809	1992 DJ ₁₀	1992 03 03.13333	10 14 10.04	+03 40 43.2	19.7 8 809
1981 ER ₄₃	1993 09 19.22535	23 28 46.79	-01 48 58.3	7 809	1992 DK ₁₀	* 1992 02 29.16111	10 17 08.41	+04 04 27.8	19.7 8 809
1981 ER ₄₃	1993 09 19.24618	23 28 45.65	-01 49 05.0	7 809	1992 DK ₁₀	1992 03 03.13333	10 14 06.29	+03 59 00.8	19.7 8 809
1981 ER ₄₃	1993 09 19.26701	23 28 44.72	-01 49 11.0	7 809	1992 DL ₁₀	* 1992 02 29.16111	10 19 39.82	+03 45 19.9	18.6 8 809
1984 AR	1993 09 16.25521	00 28 21.30	+02 24 32.6	7 809	1992 DL ₁₀	1992 03 03.13333	10 16 53.65	+04 03 24.4	19.7 8 809
1984 AR	1993 09 16.27604	00 28 20.32	+02 24 27.9	7 809	1992 DM ₁₀	* 1992 02 29.16111	10 19 46.87	+04 33 33.8	20.8 8 809
1984 AR	1993 09 16.29688	00 28 19.36	+02 24 22.9	7 809	1992 DM ₁₀	1992 03 03.13333	10 16 41.43	+04 32 52.2	19.7 8 809
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1984 AR	1993 09 23.25243	00 23 21.21	+01 54 02.5	7 809	1992 DO ₁₀	* 1992 02 29.16111	10 21 19.07	+04 34 16.1	8 809
1987 DH ₆	1993 09 14.24549	23 44 21.97	+00 41 58.3	18.0 7 809	1992 DO ₁₀	1992 03 03.13333	10 18 29.90	+04 32 13.3	20.8 8 809

1992 DP ₁₀	* 1992 02 29.16111	10 21 33.82	+04 31 44.9	17.5	8 809	1992 DL ₁₁	1992 03 03.20000	11 05 53.17	+11 48 16.5	18.6	8 809
1992 DP ₁₀	1992 03 05.09236	10 16 41.32	+04 43 01.4	18.6	8 809	1992 DL ₁₁	1992 03 09.22986	11 00 18.14	+12 37 47.6	18.6	8 809
1992 DP ₁₀	1992 03 08.09931	10 13 53.57	+04 49 59.2	18.6	8 809	1992 DM ₁₁	* 1992 02 29.23611	11 09 03.28	+09 58 57.4	20.8	8 809
1992 DQ ₁₀	* 1992 02 29.16111	10 21 58.19	+04 52 04.0	16.4	8 809	1992 DM ₁₁	1992 03 03.20000	11 06 47.95	+10 14 46.9		8 809
1992 DQ ₁₀	1992 03 03.13333	10 19 03.08	+05 07 50.6	18.6	8 809	1992 DN ₁₁	* 1992 02 29.23611	11 09 10.24	+07 21 46.3	16.4	8 809
1992 DQ ₁₀	1992 03 05.09236	10 17 09.47	+05 18 18.1	20.8	8 809	1992 DN ₁₁	1992 03 07.23125	11 03 11.13	+07 36 59.0	15.3	8 809
1992 DR ₁₀	* 1992 02 29.16111	10 22 27.21	+04 37 59.0	16.4	8 809	1992 DO ₁₁	* 1992 02 29.23611	11 10 08.20	+10 41 40.1	20.8	8 809
1992 DR ₁₀	1992 03 05.09236	10 17 07.47	+04 56 43.3	18.6	8 809	1992 DO ₁₁	1992 03 03.20000	11 07 30.60	+10 56 02.7	20.8	8 809
1992 DS ₁₀	* 1992 02 29.16111	10 23 48.55	+01 36 42.7	17.5	8 809	1992 DP ₁₁	* 1992 02 29.23611	11 10 31.77	+10 27 39.4	18.6	8 809
1992 DS ₁₀	1992 03 03.13333	10 20 48.99	+01 50 47.7	19.7	8 809	1992 DP ₁₁	1992 03 03.20000	11 08 08.95	+10 42 00.4	20.8	8 809
1992 DT ₁₀	* 1992 02 29.16111	10 25 39.30	+06 15 38.6	17.5	8 809	1992 DQ ₁₁	* 1992 02 29.23611	11 11 23.42	+10 06 40.2	19.7	8 809
1992 DT ₁₀	1992 03 03.13333	10 22 40.58	+06 30 12.8	18.6	8 809	1992 DQ ₁₁	1992 03 03.20000	11 08 39.49	+10 31 51.3	19.7	8 809
1992 DT ₁₀	1992 03 05.09236	10 20 45.50	+06 39 45.4		8 809	1992 DR ₁₁	* 1992 02 29.23611	11 12 14.61	+10 51 56.8		8 809
1992 DU ₁₀	* 1992 02 29.16111	10 29 11.48	+03 18 16.0	17.5	8 809	1992 DR ₁₁	1992 03 07.23125	11 07 09.18	+11 46 58.0		8 809
1992 DU ₁₀	1992 03 03.13333	10 26 17.04	+03 30 31.0	19.7	8 809	1992 DS ₁₁	* 1992 02 29.23611	11 14 12.20	+07 18 54.2	18.6	8 809
1992 DV ₁₀	* 1992 02 29.16111	10 31 03.18	+03 42 44.0	17.5	8 809	1992 DS ₁₁	1992 03 07.23125	11 07 17.56	+07 32 48.2	17.5	8 809
1992 DV ₁₀	1992 03 03.13333	10 28 01.94	+03 53 14.8	18.6	8 809	1992 DT ₁₁	* 1992 02 29.23611	11 15 01.27	+10 01 22.8	17.5	8 809
1992 DW ₁₀	* 1992 02 29.16111	10 31 19.41	+06 11 22.4	15.3	8 809	1992 DT ₁₁	1992 03 07.23125	11 08 05.64	+10 26 38.8	17.5	8 809
1992 DW ₁₀	1992 03 03.13333	10 28 00.50	+06 23 00.2	17.5	8 809	1992 DU ₁₁	* 1992 02 29.23611	11 16 31.26	+09 34 30.2		8 809
1992 DW ₁₀	1992 03 05.09236	10 25 49.92	+06 30 45.1	18.6	8 809	1992 DU ₁₁	1992 03 03.20000	11 14 07.01	+10 07 54.2	20.8	8 809
1992 DX ₁₀	* 1992 02 29.16111	10 32 08.36	+05 39 59.4	18.6	8 809	1992 DV ₁₁	* 1992 02 29.23611	11 17 37.02	+10 48 44.9		8 809
1992 DX ₁₀	1992 03 03.13333	10 29 22.49	+05 55 01.3	19.7	8 809	1992 DV ₁₁	1992 03 03.20000	11 15 00.58	+11 01 06.6		8 809
1992 DX ₁₀	1992 03 08.09931	10 24 56.41	+06 19 45.9		8 809	1992 DW ₁₁	* 1992 02 29.23611	11 18 19.05	+09 12 59.2	20.8	8 809
1992 DY ₁₀	* 1992 02 29.16111	10 33 31.89	+01 42 20.1	18.6	8 809	1992 DW ₁₁	1992 03 03.20000	11 15 41.46	+09 29 57.8	20.8	8 809
1992 DY ₁₀	1992 03 03.13333	10 30 44.30	+01 59 34.2	20.8	8 809	1992 DX ₁₁	* 1992 02 29.23611	11 08 31.47	+09 36 01.9	18.6	8 809
1992 DY ₁₀	1992 03 08.09931	10 26 12.54	+02 29 11.5		8 809	1992 DX ₁₁	1992 03 03.20000	11 05 52.04	+09 46 41.4	18.6	8 809
1992 DZ ₁₀	* 1992 02 29.23611	11 02 38.77	+08 27 17.8	19.7	8 809	1992 EC ₂₆	* 1992 03 02.14305	10 16 20.51	+08 57 36.8	18.6	8 809
1992 DZ ₁₀	1992 03 03.20000	11 00 13.06	+08 40 53.7	18.6	8 809	1992 EC ₂₆	1992 03 04.09375	10 14 32.04	+09 01 17.7	18.6	8 809
1992 DA ₁₁	* 1992 02 29.23611	11 02 53.41	+09 22 44.1		8 809	1992 ED ₂₆	* 1992 03 02.14305	10 16 49.29	+09 51 57.2	19.7	8 809
1992 DA ₁₁	1992 03 03.20000	11 00 38.07	+09 36 36.5		8 809	1992 ED ₂₆	1992 03 04.09375	10 14 58.17	+10 03 51.0	20.8	8 809
1992 DB ₁₁	* 1992 02 29.23611	11 03 13.38	+08 12 17.8	20.8	8 809	1992 EE ₂₆	* 1992 03 02.14305	10 17 56.04	+10 37 31.2		8 809
1992 DB ₁₁	1992 03 03.20000	11 00 29.84	+08 27 21.1		8 809	1992 EE ₂₆	1992 03 04.09375	10 16 13.02	+10 51 19.8		8 809
1992 DC ₁₁	* 1992 02 29.23611	11 03 35.94	+07 09 03.2	18.6	8 809	1992 EF ₂₆	* 1992 03 02.14305	10 18 09.07	+08 16 01.5	17.5	8 809
1992 DC ₁₁	1992 03 03.20000	11 00 52.96	+07 32 41.8	16.4	8 809	1992 EF ₂₆	1992 03 04.09375	10 16 24.93	+08 32 51.2	17.5	8 809
1992 DC ₁₁	1992 03 09.08958	10 55 31.51	+08 18 31.2	19.7	8 809	1992 EG ₂₆	* 1992 03 02.14305	10 18 39.23	+07 43 08.2	19.7	8 809
1992 DC ₁₁	1992 04 06.15243	10 38 13.48	+10 46 48.8	19.8	8 809	1992 EG ₂₆	1992 03 04.09375	10 16 40.75	+07 50 35.8	19.7	8 809
1992 DD ₁₁	* 1992 02 29.23611	11 03 42.32	+08 18 18.9	19.7	8 809	1992 EH ₂₆	* 1992 03 02.14305	10 18 47.59	+08 14 55.9	18.6	8 809
1992 DD ₁₁	1992 03 03.20000	11 00 56.06	+08 33 25.9	19.7	8 809	1992 EH ₂₆	1992 03 04.09375	10 16 57.02	+08 19 57.8	18.6	8 809
1992 DE ₁₁	* 1992 02 29.23611	11 03 50.86	+07 28 57.1	20.8	8 809	1992 EH ₂₆	1992 03 07.09167	10 14 12.54	+08 27 12.1	17.5	8 809
1992 DE ₁₁	1992 03 03.20000	11 01 04.21	+07 50 47.8	19.7	8 809	1992 EJ ₂₆	* 1992 03 02.14305	10 19 27.27	+11 50 20.4	19.7	8 809
1992 DF ₁₁	* 1992 02 29.23611	11 05 59.83	+11 40 31.7	20.8	8 809	1992 EJ ₂₆	1992 03 04.09375	10 17 50.49	+11 59 11.3	20.8	8 809
1992 DF ₁₁	1992 03 03.20000	11 03 17.23	+11 55 22.3		8 809	1992 EK ₂₆	* 1992 03 02.14305	10 19 34.54	+11 32 04.6		8 809
1992 DG ₁₁	* 1992 02 29.23611	11 06 26.62	+10 52 58.5	17.5	8 809	1992 EK ₂₆	1992 03 04.09375	10 17 58.50	+11 42 27.5		8 809
1992 DG ₁₁	1992 03 03.20000	11 03 47.03	+11 14 08.8	16.4	8 809	1992 EL ₂₆	* 1992 03 02.14305	10 20 15.43	+07 06 16.7		8 809
1992 DH ₁₁	* 1992 02 29.23611	11 07 18.04	+08 20 15.1	16.4	8 809	1992 EL ₂₆	1992 03 04.09375	10 18 52.70	+07 17 17.9	20.8	8 809
1992 DH ₁₁	1992 03 03.20000	11 04 29.92	+08 32 53.8	15.3	8 809	1992 EM ₂₆	* 1992 03 02.14305	10 21 39.43	+07 03 32.5		8 809
1992 DH ₁₁	1992 04 06.15243	10 39 41.03	+09 51 35.2	17.8	8 809	1992 EM ₂₆	1992 03 04.09375	10 19 54.28	+07 18 32.1		8 809
1992 DJ ₁₁	* 1992 02 29.23611	11 07 26.68	+10 19 00.5		8 809	1992 EN ₂₆	* 1992 03 02.14305	10 22 22.36	+11 24 22.1	20.8	8 809
1992 DJ ₁₁	1992 03 03.20000	11 05 18.08	+10 40 29.7		8 809	1992 EN ₂₆	1992 03 04.09375	10 20 48.90	+11 36 48.8		8 809
1992 DK ₁₁	* 1992 02 29.23611	11 08 34.86	+09 11 36.5		8 809	1992 EO ₂₆	* 1992 03 02.14305	10 23 38.87	+11 43 56.8	18.6	8 809
1992 DK ₁₁	1992 03 03.20000	11 06 12.96	+09 25 55.6		8 809	1992 EO ₂₆	1992 03 04.09375	10 21 53.47	+11 57 40.0	18.6	8 809
1992 DL ₁₁	* 1992 02 29.23611	11 08 37.20	+11 22 51.7	19.7	8 809	1992 EP ₂₆	* 1992 03 02.14305	10 23 50.72	+11 04 14.7	19.7	8 809

1992 EP ₂₆	1992 03 07.09167	10 19 41.83	+11 38 45.6	19.7	8 809	1992 EO ₂₇	1992 03 07.09167	10 28 14.36	+09 38 21.1	19.7	8 809
1992 EQ ₂₆	* 1992 03 02.14305	10 24 03.85	+11 29 34.9	17.5	8 809	1992 EP ₂₇	* 1992 03 04.09375	10 31 55.33	+06 58 22.5	17.5	8 809
1992 EQ ₂₆	1992 03 04.09375	10 22 17.46	+11 43 31.5	18.6	8 809	1992 EP ₂₇	1992 03 07.09167	10 29 23.04	+07 16 27.2	17.5	8 809
1992 EQ ₂₆	1992 03 07.09167	10 19 39.46	+12 04 06.1	20.8	8 809	1992 EQ ₂₇	* 1992 03 04.09375	10 33 28.93	+08 40 44.2	17.5	8 809
1992 ER ₂₆	* 1992 03 02.14305	10 25 58.65	+07 01 10.0	19.7	8 809	1992 EQ ₂₇	1992 03 07.09167	10 31 09.13	+08 56 09.7	19.7	8 809
1992 ER ₂₆	1992 03 04.09375	10 24 35.68	+07 19 13.7	19.7	8 809	1992 ER ₂₇	* 1992 03 04.09375	10 33 30.94	+07 02 44.2	19.7	8 809
1992 ES ₂₆	* 1992 03 02.14305	10 29 37.18	+11 48 16.2	19.7	8 809	1992 ER ₂₇	1992 03 07.09167	10 30 56.06	+07 20 53.7		8 809
1992 ES ₂₆	1992 03 04.09375	10 28 02.18	+11 56 35.8	18.6	8 809	1992 ES ₂₇	* 1992 03 04.09375	10 34 15.67	+11 26 48.3		8 809
1992 ET ₂₆	* 1992 03 02.14305	10 29 40.53	+07 23 21.7		8 809	1992 ES ₂₇	1992 03 07.09167	10 31 40.28	+11 46 15.2		8 809
1992 ET ₂₆	1992 03 04.09375	10 27 54.81	+07 36 56.9	20.8	8 809	1992 ET ₂₇	* 1992 03 04.09375	10 35 09.08	+09 35 31.6		8 809
1992 EU ₂₆	* 1992 03 02.14305	10 30 33.04	+11 23 06.3	20.8	8 809	1992 ET ₂₇	1992 03 07.09167	10 33 01.90	+09 47 33.3		8 809
1992 EU ₂₆	1992 03 04.09375	10 28 49.50	+11 36 44.4	20.8	8 809	1992 EU ₂₇	* 1992 03 06.09722	10 36 43.73	+08 44 10.4		8 809
1992 EV ₂₆	* 1992 03 02.14305	10 30 41.39	+11 45 22.0		8 809	1992 EU ₂₇	1992 03 08.17222	10 35 08.69	+08 57 31.0		8 809
1992 EV ₂₆	1992 03 04.09375	10 29 15.43	+11 57 07.1		8 809	1992 EV ₂₇	* 1992 03 06.09722	10 42 06.42	+08 16 29.9	20.8	8 809
1992 EW ₂₆	* 1992 03 02.14305	10 30 44.68	+08 15 18.7	20.8	8 809	1992 EV ₂₇	1992 03 08.17222	10 40 35.46	+08 26 13.2	18.6	8 809
1992 EW ₂₆	1992 03 04.09375	10 28 46.53	+08 26 34.9	20.8	8 809	1992 EW ₂₇	* 1992 03 06.09722	10 48 52.67	+07 11 42.6	19.7	8 809
1992 EX ₂₆	* 1992 03 02.14305	10 31 49.99	+07 26 40.9	20.8	8 809	1992 EW ₂₇	1992 03 08.17222	10 47 08.72	+07 15 26.4	19.7	8 809
1992 EX ₂₆	1992 03 04.09375	10 30 14.60	+07 40 32.2	20.8	8 809	1992 EX ₂₇	* 1992 03 06.09722	10 51 15.41	+08 35 28.9		8 809
1992 EY ₂₆	* 1992 03 02.14305	10 32 45.45	+09 55 16.3	18.6	8 809	1992 EX ₂₇	1992 03 08.17222	10 49 46.46	+08 51 12.3	20.8	8 809
1992 EY ₂₆	1992 03 04.09375	10 31 06.97	+10 10 05.9	19.7	8 809	1992 EY ₂₇	* 1992 03 06.09722	10 55 04.53	+11 37 27.8		8 809
1992 EY ₂₆	1992 03 07.09167	10 28 39.53	+10 32 14.9		8 809	1992 EY ₂₇	1992 03 08.17222	10 53 25.05	+11 46 23.3		8 809
1992 EZ ₂₆	* 1992 03 02.14305	10 33 50.86	+11 49 55.0	17.5	8 809	1992 EZ ₂₇	* 1992 03 08.17222	10 36 43.08	+08 32 44.4		8 809
1992 EZ ₂₆	1992 03 04.09375	10 32 20.51	+12 00 21.6	17.5	8 809	1992 EZ ₂₇	1992 03 09.08958	10 36 06.03	+08 39 26.0		8 809
1992 EA ₂₇	* 1992 03 02.14305	10 33 54.45	+09 04 26.6	17.5	8 809	1992 EZ ₂₇	1992 04 06.11007	10 22 17.00	+11 24 49.3	20.9	8 809
1992 EA ₂₇	1992 03 04.09375	10 32 07.24	+09 12 01.0	17.5	8 809	1992 EA ₂₈	* 1992 03 08.17222	10 39 52.13	+09 23 47.6	18.6	8 809
1992 EB ₂₇	* 1992 03 02.14305	10 33 55.32	+07 49 56.3	19.7	8 809	1992 EA ₂₈	1992 03 09.08958	10 39 13.02	+09 28 03.8	20.8	8 809
1992 EB ₂₇	1992 03 04.09375	10 32 22.55	+07 59 10.2	20.8	8 809	1992 EB ₂₈	* 1992 03 08.17222	10 40 25.28	+10 16 42.2	18.6	8 809
1992 EC ₂₇	* 1992 03 02.14305	10 33 56.07	+09 59 44.3	18.6	8 809	1992 EB ₂₈	1992 03 09.08958	10 39 35.88	+10 29 59.9	20.8	8 809
1992 EC ₂₇	1992 03 04.09375	10 32 01.90	+10 08 41.1	18.6	8 809	1992 EC ₂₈	* 1992 03 08.17222	10 41 35.55	+08 06 54.8	20.8	8 809
1992 ED ₂₇	* 1992 03 02.14305	10 33 59.23	+11 41 41.8	18.6	8 809	1992 EC ₂₈	1992 03 09.08958	10 40 56.54	+08 10 48.0		8 809
1992 ED ₂₇	1992 03 04.09375	10 32 13.24	+11 55 01.4	18.6	8 809	1992 ED ₂₈	* 1992 03 08.17222	10 41 36.87	+09 36 53.6	17.5	8 809
1992 EE ₂₇	* 1992 03 02.14305	10 34 19.29	+07 26 56.2	19.7	8 809	1992 ED ₂₈	1992 03 09.08958	10 40 41.58	+09 39 21.4	18.6	8 809
1992 EE ₂₇	1992 03 04.09375	10 32 28.08	+07 38 18.6	20.8	8 809	1992 EE ₂₈	* 1992 03 08.17222	10 42 04.15	+10 44 17.1	20.8	8 809
1992 EF ₂₇	* 1992 03 02.14305	10 34 23.87	+10 13 37.2		8 809	1992 EE ₂₈	1992 03 09.08958	10 41 03.35	+10 43 07.8	20.8	8 809
1992 EF ₂₇	1992 03 04.09375	10 32 56.17	+10 29 40.9		8 809	1992 EF ₂₈	* 1992 03 08.17222	10 42 32.58	+08 58 48.8	18.6	8 809
1992 EG ₂₇	* 1992 03 02.27326	10 43 46.04	+06 37 14.3	18.6	8 809	1992 EF ₂₈	1992 03 09.08958	10 41 48.63	+09 03 00.5	18.6	8 809
1992 EG ₂₇	1992 03 06.09722	10 40 03.78	+07 10 39.5		8 809	1992 EG ₂₈	* 1992 03 08.17222	10 43 23.43	+08 01 34.7	19.7	8 809
1992 EG ₂₇	1992 03 08.17222	10 38 04.22	+07 28 41.8		8 809	1992 EG ₂₈	1992 03 09.08958	10 42 31.80	+08 06 22.4		8 809
1992 EH ₂₇	* 1992 03 04.09375	10 21 36.71	+10 38 45.4	20.8	8 809	1992 EH ₂₈	* 1992 03 08.17222	10 43 40.45	+08 23 42.9	18.6	8 809
1992 EH ₂₇	1992 03 07.09167	10 19 31.18	+11 07 28.4	20.8	8 809	1992 EH ₂₈	1992 03 09.08958	10 42 54.19	+08 30 39.9	20.8	8 809
1992 EJ ₂₇	* 1992 03 04.09375	10 24 03.48	+10 30 27.4		8 809	1992 EJ ₂₈	* 1992 03 08.17222	10 43 41.02	+07 37 47.9		8 809
1992 EJ ₂₇	1992 03 07.09167	10 21 45.52	+10 50 48.3		8 809	1992 EJ ₂₈	1992 03 09.08958	10 42 41.70	+07 38 30.8		8 809
1992 EK ₂₇	* 1992 03 04.09375	10 24 12.16	+08 02 07.5	19.7	8 809	1992 EK ₂₈	* 1992 03 08.17222	10 48 56.87	+08 59 16.1		8 809
1992 EK ₂₇	1992 03 07.09167	10 21 29.81	+08 01 31.5	20.8	8 809	1992 EK ₂₈	1992 03 09.08958	10 48 04.29	+09 06 14.0		8 809
1992 EL ₂₇	* 1992 03 04.09375	10 26 14.19	+08 57 28.2	17.5	8 809	1992 EL ₂₈	* 1992 03 08.17222	10 49 10.76	+08 03 13.6	20.8	8 809
1992 EL ₂₇	1992 03 07.09167	10 23 54.87	+09 10 32.4	19.7	8 809	1992 EL ₂₈	1992 03 09.08958	10 48 21.82	+08 11 01.2		8 809
1992 EM ₂₇	* 1992 03 04.09375	10 28 48.00	+08 54 30.3	17.5	8 809	1992 EM ₂₈	* 1992 03 08.17222	10 49 11.17	+11 18 24.2	17.5	8 809
1992 EM ₂₇	1992 03 07.09167	10 26 18.70	+09 00 06.5	18.6	8 809	1992 EM ₂₈	1992 03 09.08958	10 48 13.55	+11 20 20.2	17.5	8 809
1992 EM ₂₇	1992 04 06.06285	10 09 18.60	+09 20 22.0	18.8	8 809	1992 EN ₂₈	* 1992 03 08.17222	10 49 54.02	+11 06 09.8	20.8	8 809
1992 EN ₂₇	* 1992 03 04.09375	10 30 18.74	+07 58 40.1		8 809	1992 EN ₂₈	1992 03 09.08958	10 49 10.79	+11 11 00.9		8 809
1992 EN ₂₇	1992 03 07.09167	10 27 59.58	+08 13 53.2		8 809	1992 EO ₂₈	* 1992 03 08.17222	10 51 08.46	+08 52 13.9	20.8	8 809
1992 EO ₂₇	* 1992 03 04.09375	10 30 29.94	+09 25 33.6	19.7	8 809	1992 EO ₂₈	1992 03 09.08958	10 50 21.67	+08 58 00.1		8 809

1992 EP ₂₈	* 1992 03 08.17222	10 51 40.23	+10 36 37.7		8 809	1992 EK ₂₉	1992 03 05.09236	10 29 04.88	+03 50 54.4	19.7	8 809
1992 EP ₂₈	1992 03 09.08958	10 50 50.66	+10 40 28.4		8 809	1992 EL ₂₉	* 1992 03 03.13333	10 31 16.44	+03 07 56.3	20.8	8 809
1992 EQ ₂₈	* 1992 03 08.17222	10 53 17.13	+08 07 32.8	18.6	8 809	1992 EL ₂₉	1992 03 05.09236	10 29 30.34	+03 22 28.0	20.8	8 809
1992 EQ ₂₈	1992 03 09.08958	10 52 38.15	+08 11 26.1	18.6	8 809	1992 EM ₂₉	* 1992 03 03.13333	10 32 32.37	+05 19 02.7	17.5	8 809
1992 ER ₂₈	1992 02 29.23611	10 59 36.93	+09 26 23.4	20.8	8 809	1992 EM ₂₉	1992 03 05.09236	10 30 30.09	+05 26 14.4	18.6	8 809
1992 ER ₂₈	* 1992 03 08.17222	10 53 46.26	+10 04 38.6		8 809	1992 EN ₂₉	* 1992 03 03.13333	10 34 06.09	+02 02 48.3	18.6	8 809
1992 ER ₂₈	1992 03 09.08958	10 53 05.96	+10 08 57.1		8 809	1992 EN ₂₉	1992 03 05.09236	10 32 28.61	+02 12 47.2	19.7	8 809
1992 ES ₂₈	1992 02 29.23611	11 00 48.32	+09 02 41.5	19.7	8 809	1992 EN ₂₉	1992 03 08.09931	10 30 02.20	+02 28 18.9		8 809
1992 ES ₂₈	1992 03 03.20000	10 58 21.75	+09 15 54.3	16.4	8 809	1992 EO ₂₉	* 1992 03 03.20000	11 01 19.69	+08 20 24.4	16.4	8 809
1992 ES ₂₈	* 1992 03 08.17222	10 54 15.93	+09 37 26.1	18.6	8 809	1992 EO ₂₉	1992 03 07.23125	10 58 09.40	+08 43 22.3	17.5	8 809
1992 ES ₂₈	1992 03 09.08958	10 53 31.16	+09 41 15.8	18.6	8 809	1992 EP ₂₉	* 1992 03 03.20000	11 08 35.57	+11 02 00.7		8 809
1992 ET ₂₈	1992 02 29.23611	11 00 09.90	+08 29 41.3	17.5	8 809	1992 EP ₂₉	1992 03 07.23125	11 05 13.93	+11 20 54.5		8 809
1992 ET ₂₈	1992 03 03.20000	10 57 58.55	+08 43 06.8	15.3	8 809	1992 EQ ₂₉	* 1992 03 03.20000	11 08 37.92	+07 58 12.3		8 809
1992 ET ₂₈	* 1992 03 08.17222	10 54 19.07	+09 05 07.6	17.5	8 809	1992 EQ ₂₉	1992 03 07.23125	11 05 00.93	+08 30 30.4		8 809
1992 ET ₂₈	1992 03 09.08958	10 53 39.12	+09 09 04.8	18.6	8 809	1992 ER ₂₉	* 1992 03 03.20000	11 09 42.05	+08 32 00.1		8 809
1992 ET ₂₈	1992 04 06.15243	10 37 15.08	+10 38 18.6	18.8	8 809	1992 ER ₂₉	1992 03 07.23125	11 06 30.19	+09 06 01.4		8 809
1992 EU ₂₈	1992 02 29.23611	11 00 26.11	+08 42 21.6	17.5	8 809	1992 ES ₂₉	* 1992 03 03.20000	11 10 00.00	+09 52 46.2	18.6	8 809
1992 EU ₂₈	* 1992 03 08.17222	10 54 34.54	+09 17 17.4	17.5	8 809	1992 ES ₂₉	1992 03 07.23125	11 06 39.85	+10 16 47.8	19.7	8 809
1992 EU ₂₈	1992 03 09.08958	10 53 54.24	+09 21 12.4	18.6	8 809	1992 ET ₂₉	* 1992 03 03.20000	11 10 22.22	+07 14 39.8	16.4	8 809
1992 EU ₂₈	1992 04 06.15243	10 36 40.81	+10 52 37.9	18.8	8 809	1992 ET ₂₉	1992 03 07.23125	11 06 20.43	+07 35 41.3	17.5	8 809
1992 EV ₂₈	* 1992 03 02.27326	10 39 19.89	+03 06 13.7	15.3	8 809	1992 EU ₂₉	* 1992 03 03.20000	11 11 30.41	+08 22 38.2		8 809
1992 EV ₂₈	1992 03 05.23750	10 36 25.62	+03 02 26.7	16.4	8 809	1992 EU ₂₉	1992 03 07.23125	11 07 48.46	+08 42 41.6		8 809
1992 EV ₂₈	1992 03 08.09931	10 33 41.70	+02 59 02.8	16.4	8 809	1992 EV ₂₉	* 1992 03 03.20000	11 11 39.60	+07 23 24.4	18.6	8 809
1992 EW ₂₈	* 1992 03 02.27326	10 40 22.37	+04 23 45.1	18.6	8 809	1992 EV ₂₉	1992 03 07.23125	11 07 50.00	+07 58 28.5	19.7	8 809
1992 EW ₂₈	1992 03 05.23750	10 37 51.36	+04 41 05.8	18.6	8 809	1992 EW ₂₉	* 1992 03 03.20000	11 12 20.49	+10 04 15.5	20.8	8 809
1992 EX ₂₈	* 1992 03 02.27326	10 42 42.95	+05 00 59.4	19.7	8 809	1992 EW ₂₉	1992 03 07.23125	11 08 58.82	+10 41 55.9	20.8	8 809
1992 EX ₂₈	1992 03 05.23750	10 40 13.72	+05 14 43.2		8 809	1992 EX ₂₉	1992 02 29.23611	11 15 04.42	+08 18 57.7	20.8	8 809
1992 EY ₂₈	* 1992 03 02.27326	10 46 07.31	+04 16 40.6	18.6	8 809	1992 EX ₂₉	* 1992 03 03.20000	11 12 31.94	+08 52 14.5	17.5	8 809
1992 EY ₂₈	1992 03 05.23750	10 42 34.61	+04 15 52.3	18.6	8 809	1992 EX ₂₉	1992 03 07.23125	11 09 03.20	+09 36 26.8	18.6	8 809
1992 EZ ₂₈	* 1992 03 02.27326	10 47 19.74	+04 38 39.6	17.5	8 809	1992 EY ₂₉	* 1992 03 03.20000	11 13 05.08	+08 00 21.9		8 809
1992 EZ ₂₈	1992 03 05.23750	10 44 55.83	+05 10 54.5	17.5	8 809	1992 EY ₂₉	1992 03 07.23125	11 09 28.32	+08 19 56.6		8 809
1992 EZ ₂₈	1992 03 09.15972	10 41 47.91	+05 53 44.2	20.8	8 809	1992 EZ ₂₉	* 1992 03 03.20000	11 13 15.26	+07 13 00.9	16.4	8 809
1992 EA ₂₉	* 1992 03 02.27326	10 48 01.32	+02 22 59.2		8 809	1992 EZ ₂₉	1992 03 07.23125	11 09 20.47	+07 37 10.7	18.6	8 809
1992 EA ₂₉	1992 03 05.23750	10 45 20.49	+02 48 52.7	20.8	8 809	1992 EA ₃₀	* 1992 03 03.20000	11 13 33.98	+07 37 51.0		8 809
1992 EB ₂₉	* 1992 03 02.27326	10 49 40.80	+02 33 15.5	20.8	8 809	1992 EA ₃₀	1992 03 07.23125	11 09 46.46	+08 14 14.5		8 809
1992 EB ₂₉	1992 03 05.23750	10 47 34.54	+02 52 51.9		8 809	1992 EB ₃₀	* 1992 03 03.20000	11 14 20.28	+07 35 59.3	16.4	8 809
1992 EC ₂₉	* 1992 03 02.27326	10 49 55.46	+04 24 15.4	19.7	8 809	1992 EB ₃₀	1992 03 07.23125	11 10 48.92	+08 13 35.9	17.5	8 809
1992 EC ₂₉	1992 03 05.23750	10 46 58.95	+04 29 37.4	19.7	8 809	1992 EC ₃₀	1992 02 29.23611	11 16 39.11	+11 18 29.6	18.6	8 809
1992 ED ₂₉	* 1992 03 02.27326	10 54 58.53	+03 20 54.6	18.6	8 809	1992 EC ₃₀	* 1992 03 03.20000	11 14 21.28	+11 35 52.7		8 809
1992 ED ₂₉	1992 03 05.23750	10 52 23.77	+03 38 25.6	20.8	8 809	1992 EC ₃₀	1992 03 07.23125	11 11 11.21	+11 58 27.0	20.8	8 809
1992 ED ₂₉	1992 03 09.15972	10 49 00.29	+04 02 00.6		8 809	1992 ED ₃₀	* 1992 03 03.20000	11 15 25.20	+07 23 11.8	16.4	8 809
1992 EE ₂₉	* 1992 03 02.27326	10 55 13.57	+03 28 26.1	19.7	8 809	1992 ED ₃₀	1992 03 07.23125	11 12 20.79	+07 42 22.0	17.5	8 809
1992 EE ₂₉	1992 03 05.23750	10 52 42.41	+03 50 49.0	19.7	8 809	1992 EE ₃₀	* 1992 03 03.20000	11 16 00.75	+09 42 39.3		8 809
1992 EF ₂₉	* 1992 03 03.13333	10 23 13.41	+02 12 35.0		8 809	1992 EE ₃₀	1992 03 07.23125	11 11 57.38	+10 11 58.1		8 809
1992 EF ₂₉	1992 03 05.09236	10 21 39.42	+02 24 57.3		8 809	1992 EF ₃₀	* 1992 03 03.20000	11 17 19.41	+09 31 12.5	16.4	8 809
1992 EG ₂₉	* 1992 03 03.13333	10 27 11.77	+06 23 42.5	18.6	8 809	1992 EF ₃₀	1992 03 07.23125	11 12 46.32	+09 38 57.5	17.5	8 809
1992 EG ₂₉	1992 03 05.09236	10 25 19.82	+06 32 09.1	18.6	8 809	1992 EG ₃₀	* 1992 03 03.20000	11 17 21.97	+08 51 00.8	20.8	8 809
1992 EH ₂₉	* 1992 03 03.13333	10 27 17.29	+05 32 11.0	20.8	8 809	1992 EG ₃₀	1992 03 07.23125	11 13 23.69	+09 11 36.3	20.8	8 809
1992 EH ₂₉	1992 03 05.09236	10 25 10.77	+05 31 11.1	20.8	8 809	1992 EH ₃₀	* 1992 03 03.20000	11 18 14.62	+09 30 04.1	17.5	8 809
1992 EJ ₂₉	* 1992 03 03.13333	10 28 48.97	+01 40 12.3	18.6	8 809	1992 EH ₃₀	1992 03 07.23125	11 15 00.06	+09 50 31.6	18.6	8 809
1992 EJ ₂₉	1992 03 05.09236	10 27 10.84	+01 54 30.5	18.6	8 809	1992 EJ ₃₀	* 1992 03 03.20000	11 18 24.98	+10 43 24.4	20.8	8 809
1992 EK ₂₉	* 1992 03 03.13333	10 31 02.65	+03 44 51.3	19.7	8 809	1992 EJ ₃₀	1992 03 07.23125	11 14 41.67	+11 07 45.2	20.8	8 809

1992 EK ₃₀	* 1992 03 03.20000	11 18 57.09	+10 26 11.7	16.4	8 809	1992 EF ₃₁	1992 03 03.26667	11 02 12.01	+06 15 24.3		8 809
1992 EK ₃₀	1992 03 07.23125	11 15 08.85	+10 49 51.5	16.4	8 809	1992 EG ₃₁	* 1992 03 01.28750	11 03 47.82	+06 09 20.7	16.4	8 809
1992 EL ₃₀	* 1992 03 06.09722	10 42 02.97	+10 18 44.4		8 809	1992 EG ₃₁	1992 03 03.26667	11 02 23.19	+06 23 18.7	17.5	8 809
1992 EL ₃₀	1992 03 09.08958	10 39 45.52	+10 45 13.4	20.8	8 809	1992 EG ₃₁	1992 03 06.23750	11 00 16.05	+06 44 16.1	19.7	8 809
1992 EM ₃₀	* 1992 03 06.09722	10 47 18.30	+07 36 10.8	20.8	8 809	1992 EH ₃₁	* 1992 03 01.28750	11 04 00.73	+02 45 49.6	18.6	8 809
1992 EM ₃₀	1992 03 09.08958	10 44 40.55	+07 59 17.5	20.8	8 809	1992 EH ₃₁	1992 03 03.26667	11 02 16.09	+03 01 15.2	20.8	8 809
1992 EN ₃₀	* 1992 03 01.28750	10 59 03.42	+05 23 24.6	17.5	8 809	1992 EJ ₃₁	* 1992 03 01.28750	11 04 11.76	+04 34 50.6	17.5	8 809
1992 EN ₃₀	1992 03 03.26667	10 57 14.94	+05 39 42.1	20.8	8 809	1992 EJ ₃₁	1992 03 03.26667	11 02 23.91	+04 42 33.7	18.6	8 809
1992 EN ₃₀	1992 03 05.23750	10 55 26.29	+05 55 59.3	19.7	8 809	1992 EK ₃₁	* 1992 03 01.28750	11 04 11.88	+05 39 19.9		8 809
1992 EN ₃₀	1992 03 09.15972	10 51 51.34	+06 28 19.8	20.8	8 809	1992 EK ₃₁	1992 03 03.26667	11 02 23.79	+05 51 58.7		8 809
1992 EO ₃₀	* 1992 03 01.28750	10 59 28.78	+03 09 29.7	20.8	8 809	1992 EL ₃₁	* 1992 03 01.28750	11 04 32.05	+06 24 36.5	20.8	8 809
1992 EO ₃₀	1992 03 03.26667	10 57 52.74	+03 20 08.6	20.8	8 809	1992 EL ₃₁	1992 03 03.26667	11 02 42.84	+06 37 52.3		8 809
1992 EP ₃₀	* 1992 03 01.28750	11 00 10.27	+02 41 12.3		8 809	1992 EM ₃₁	* 1992 03 01.28750	11 05 49.22	+03 04 12.0	16.4	8 809
1992 EP ₃₀	1992 03 03.26667	10 58 12.68	+02 50 53.3		8 809	1992 EM ₃₁	1992 03 03.26667	11 03 56.26	+03 10 28.6	16.4	8 809
1992 EQ ₃₀	* 1992 03 01.28750	11 00 14.93	+04 52 15.4	18.6	8 809	1992 EN ₃₁	* 1992 03 01.28750	11 06 23.71	+05 42 46.4	18.6	8 809
1992 EQ ₃₀	1992 03 03.26667	10 58 39.97	+05 02 45.1	19.7	8 809	1992 EN ₃₁	1992 03 03.26667	11 05 00.61	+05 56 16.7	19.7	8 809
1992 ER ₃₀	* 1992 03 01.28750	11 00 15.86	+02 38 55.0	20.8	8 809	1992 EO ₃₁	* 1992 03 01.28750	11 06 56.64	+06 21 51.0	17.5	8 809
1992 ER ₃₀	1992 03 03.26667	10 58 31.04	+02 48 28.6	20.8	8 809	1992 EO ₃₁	1992 03 03.26667	11 05 12.53	+06 30 38.2	18.6	8 809
1992 ER ₃₀	1992 03 05.23750	10 56 46.87	+02 58 05.6		8 809	1992 EP ₃₁	* 1992 03 01.28750	11 07 02.44	+04 40 05.0	19.7	8 809
1992 ES ₃₀	* 1992 03 01.28750	11 00 17.77	+03 19 42.2	17.5	8 809	1992 EP ₃₁	1992 03 03.26667	11 04 54.78	+04 49 01.4		8 809
1992 ES ₃₀	1992 03 03.26667	10 58 58.19	+03 40 09.1	17.5	8 809	1992 EQ ₃₁	* 1992 03 01.28750	11 08 20.58	+06 16 56.9	16.4	8 809
1992 ES ₃₀	1992 03 09.15972	10 55 02.48	+04 41 20.6	17.5	8 809	1992 EQ ₃₁	1992 03 03.26667	11 06 18.39	+06 25 58.3	16.4	8 809
1992 ET ₃₀	* 1992 03 01.28750	11 00 18.74	+03 06 28.9	20.8	8 809	1992 ER ₃₁	* 1992 03 01.28750	11 09 09.10	+06 16 05.0	16.4	8 809
1992 ET ₃₀	1992 03 03.26667	10 58 36.44	+03 20 45.0		8 809	1992 ER ₃₁	1992 03 03.26667	11 07 15.95	+06 29 24.4	16.4	8 809
1992 ET ₃₀	1992 03 09.15972	10 53 30.96	+04 04 05.2		8 809	1992 ER ₃₁	1992 03 06.23750	11 04 26.60	+06 49 12.3	16.4	8 809
1992 EU ₃₀	* 1992 03 01.28750	11 00 33.00	+01 52 59.8	17.5	8 809	1992 ES ₃₁	* 1992 03 01.28750	11 10 38.57	+01 35 48.5	20.8	8 809
1992 EU ₃₀	1992 03 03.26667	10 58 52.22	+02 03 33.4	16.4	8 809	1992 ES ₃₁	1992 03 03.26667	11 08 42.57	+01 48 17.5	19.7	8 809
1992 EU ₃₀	1992 03 09.15972	10 53 52.90	+02 35 59.4	17.5	8 809	1992 ET ₃₁	* 1992 03 01.28750	11 12 01.70	+06 14 28.7	20.8	8 809
1992 EU ₃₀	1992 04 07.14618	10 35 36.58	+04 55 53.9	18.8	8 809	1992 ET ₃₁	1992 03 03.26667	11 10 10.06	+06 27 28.0	18.6	8 809
1992 EV ₃₀	* 1992 03 01.28750	11 00 46.88	+05 22 10.9	20.8	8 809	1992 ET ₃₁	1992 03 07.23125	11 06 21.66	+06 53 41.8		8 809
1992 EV ₃₀	1992 03 03.26667	10 58 58.69	+05 33 49.7		8 809	1992 EU ₃₁	* 1992 03 01.28750	11 12 22.26	+03 00 36.9	18.6	8 809
1992 EW ₃₀	* 1992 03 01.28750	11 00 47.47	+05 12 26.8	20.8	8 809	1992 EU ₃₁	1992 03 03.26667	11 10 50.76	+03 09 32.4	19.7	8 809
1992 EW ₃₀	1992 03 03.26667	10 58 59.96	+05 30 25.0		8 809	1992 EV ₃₁	* 1992 03 01.28750	11 12 38.84	+05 15 07.2	18.6	8 809
1992 EX ₃₀	* 1992 03 01.28750	11 01 13.57	+04 52 33.8	18.6	8 809	1992 EV ₃₁	1992 03 03.26667	11 11 18.04	+06 07 40.2	20.8	8 809
1992 EX ₃₀	1992 03 03.26667	10 59 07.05	+04 54 22.0	17.5	8 809	1992 EV ₃₁	1992 03 07.23125	11 08 32.45	+07 53 49.4	20.8	8 809
1992 EY ₃₀	* 1992 03 01.28750	11 01 19.84	+02 27 42.3		8 809	1992 EW ₃₁	* 1992 03 01.28750	11 13 11.03	+04 30 03.8	18.6	8 809
1992 EY ₃₀	1992 03 03.26667	10 59 32.86	+02 36 55.3		8 809	1992 EW ₃₁	1992 03 03.26667	11 11 19.76	+04 40 17.3	19.7	8 809
1992 EY ₃₀	1992 03 09.15972	10 54 15.82	+03 05 09.5		8 809	1992 EW ₃₁	1992 03 06.23750	11 08 30.17	+04 55 57.8		8 809
1992 EZ ₃₀	* 1992 03 01.28750	11 01 26.38	+05 44 58.2	20.8	8 809	1992 EX ₃₁	* 1992 03 01.28750	11 13 18.71	+01 36 44.6	17.5	8 809
1992 EZ ₃₀	1992 03 03.26667	10 59 42.80	+05 54 13.7		8 809	1992 EX ₃₁	1992 03 03.26667	11 11 30.00	+01 46 19.5	17.5	8 809
1992 EA ₃₁	* 1992 03 01.28750	11 01 29.27	+04 37 32.4	17.5	8 809	1992 EX ₃₁	1992 03 06.23750	11 08 45.57	+02 01 07.6	20.8	8 809
1992 EA ₃₁	1992 03 03.26667	10 59 22.68	+04 42 47.0	17.5	8 809	1992 EY ₃₁	* 1992 03 01.28750	11 13 38.51	+01 51 35.0	17.5	8 809
1992 EB ₃₁	* 1992 03 01.28750	11 01 44.63	+02 59 37.8	18.6	8 809	1992 EY ₃₁	1992 03 03.26667	11 11 42.46	+01 57 18.8	16.4	8 809
1992 EB ₃₁	1992 03 03.26667	11 00 01.27	+03 09 44.9	19.7	8 809	1992 EZ ₃₁	* 1992 03 01.28750	11 13 41.80	+04 25 05.7	20.8	8 809
1992 EB ₃₁	1992 03 09.15972	10 54 52.31	+03 41 14.9	19.7	8 809	1992 EZ ₃₁	1992 03 03.26667	11 11 56.09	+04 36 00.3	20.8	8 809
1992 EC ₃₁	* 1992 03 01.28750	11 01 57.80	+05 26 00.9	18.6	8 809	1992 EA ₃₂	* 1992 03 01.28750	11 13 43.53	+06 24 50.5	18.6	8 809
1992 EC ₃₁	1992 03 06.23750	10 58 11.69	+05 51 06.5		8 809	1992 EA ₃₂	1992 03 03.26667	11 11 56.23	+06 35 22.0	19.7	8 809
1992 ED ₃₁	* 1992 03 01.28750	11 02 10.48	+05 19 45.9	20.8	8 809	1992 EB ₃₂	* 1992 03 01.28750	11 14 48.65	+01 50 23.0	18.6	8 809
1992 ED ₃₁	1992 03 03.26667	11 00 23.18	+05 39 48.5	19.7	8 809	1992 EB ₃₂	1992 03 03.26667	11 13 14.31	+02 01 55.0	18.6	8 809
1992 EE ₃₁	* 1992 03 01.28750	11 02 29.41	+06 05 47.6	19.7	8 809	1992 EB ₃₂	1992 03 06.23750	11 10 51.01	+02 19 39.1		8 809
1992 EE ₃₁	1992 03 03.26667	11 00 52.98	+06 14 58.8	19.7	8 809	1992 EC ₃₂	* 1992 03 01.28750	11 16 05.13	+05 51 45.8	19.7	8 809
1992 EF ₃₁	* 1992 03 01.28750	11 03 45.66	+06 04 11.8		8 809	1992 EC ₃₂	1992 03 03.26667	11 13 58.75	+05 52 30.7		8 809

1992 ED ₃₂	* 1992 03 01.28750	11 17 41.88	+04 52 08.3		8 809	1992 EB ₃₃	* 1992 03 02.27326	10 56 30.51	+04 26 12.9	20.8	8 809
1992 ED ₃₂	1992 03 03.26667	11 15 55.27	+05 06 23.8		8 809	1992 EB ₃₃	1992 03 09.15972	10 50 12.04	+05 15 14.9		8 809
1992 EE ₃₂	* 1992 03 02.27326	10 38 04.93	+03 50 09.1	16.4	8 809	1992 EC ₃₃	* 1992 03 02.27326	10 56 45.28	+02 26 45.5	18.6	8 809
1992 EE ₃₂	1992 03 05.23750	10 35 46.83	+04 12 37.6	17.5	8 809	1992 EC ₃₃	1992 03 05.23750	10 53 56.80	+02 39 57.3	20.8	8 809
1992 EE ₃₂	1992 03 08.09931	10 33 38.12	+04 34 23.1	17.5	8 809	1992 ED ₃₃	1992 03 01.28750	10 59 09.22	+04 01 32.7	17.5	8 809
1992 EF ₃₂	* 1992 03 02.27326	10 38 39.71	+05 40 54.1	18.6	8 809	1992 ED ₃₃	* 1992 03 03.26667	10 57 11.41	+04 11 16.3		8 809
1992 EF ₃₂	1992 03 05.23750	10 36 14.99	+06 00 48.2	19.7	8 809	1992 ED ₃₃	1992 03 05.23750	10 55 13.66	+04 21 06.5	19.7	8 809
1992 EG ₃₂	* 1992 03 02.27326	10 38 46.32	+05 32 44.2	18.6	8 809	1992 ED ₃₃	1992 03 09.15972	10 51 23.32	+04 40 37.0	20.8	8 809
1992 EG ₃₂	1992 03 05.23750	10 36 16.78	+05 47 56.7	18.6	8 809	1992 EE ₃₃	1992 03 01.28750	10 59 06.30	+05 39 43.3	20.8	8 809
1992 EG ₃₂	1992 03 08.09931	10 33 55.24	+06 02 34.5	18.6	8 809	1992 EE ₃₃	* 1992 03 03.26667	10 57 40.24	+05 51 16.1		8 809
1992 EH ₃₂	* 1992 03 02.27326	10 40 18.88	+01 24 51.5	17.5	8 809	1992 EF ₃₃	1992 03 01.28750	11 00 14.70	+06 10 07.4	19.7	8 809
1992 EH ₃₂	1992 03 05.23750	10 37 39.99	+01 40 09.7	17.5	8 809	1992 EF ₃₃	* 1992 03 03.26667	10 58 49.38	+06 25 00.6	20.8	8 809
1992 EJ ₃₂	* 1992 03 02.27326	10 42 44.77	+06 18 00.0	17.5	8 809	1992 EF ₃₃	1992 03 09.08958	10 54 38.67	+07 08 44.6		8 809
1992 EJ ₃₂	1992 03 05.23750	10 39 53.31	+06 38 04.1	19.7	8 809	1992 EG ₃₃	1992 03 01.28750	11 02 39.31	+06 38 47.9	17.5	8 809
1992 EK ₃₂	* 1992 03 02.27326	10 42 59.85	+06 19 45.2	17.5	8 809	1992 EG ₃₃	* 1992 03 03.26667	11 00 22.38	+06 38 18.1	17.5	8 809
1992 EK ₃₂	1992 03 05.23750	10 40 05.95	+06 16 24.2	19.7	8 809	1992 EG ₃₃	1992 03 09.15972	10 53 31.54	+06 36 28.8	19.7	8 809
1992 EL ₃₂	* 1992 03 02.27326	10 44 40.68	+02 45 24.0	16.4	8 809	1992 EH ₃₃	1992 03 01.28750	11 05 36.61	+03 42 15.4	18.6	8 809
1992 EL ₃₂	1992 03 09.15972	10 38 41.18	+02 56 11.0	16.4	8 809	1992 EH ₃₃	* 1992 03 03.26667	11 04 10.31	+03 54 21.7		8 809
1992 EM ₃₂	* 1992 03 02.27326	10 45 46.50	+06 15 41.8	17.5	8 809	1992 EH ₃₃	1992 03 06.23750	11 02 00.03	+04 12 45.0	20.8	8 809
1992 EM ₃₂	1992 03 05.23750	10 43 47.60	+06 25 30.4	19.7	8 809	1992 EJ ₃₃	* 1992 03 03.26667	11 05 17.28	+02 56 16.4	16.4	8 809
1992 EN ₃₂	* 1992 03 02.27326	10 49 19.65	+06 17 25.7	18.6	8 809	1992 EJ ₃₃	1992 03 06.23750	11 02 17.18	+03 00 47.2	16.4	8 809
1992 EN ₃₂	1992 03 05.23750	10 47 10.73	+06 29 51.8	20.8	8 809	1992 EK ₃₃	* 1992 03 03.26667	11 06 20.54	+04 27 44.3	16.4	8 809
1992 EO ₃₂	* 1992 03 02.27326	10 49 23.69	+01 37 05.3		8 809	1992 EK ₃₃	1992 03 06.23750	11 03 17.08	+04 35 30.1	16.4	8 809
1992 EO ₃₂	1992 03 05.23750	10 46 39.81	+01 49 54.0	20.8	8 809	1992 EL ₃₃	* 1992 03 03.26667	11 06 33.74	+03 46 22.1		8 809
1992 EP ₃₂	* 1992 03 02.27326	10 49 31.13	+06 13 23.1	16.4	8 809	1992 EL ₃₃	1992 03 06.23750	11 04 13.65	+04 08 07.7		8 809
1992 EP ₃₂	1992 03 05.23750	10 46 34.39	+06 26 43.2	17.5	8 809	1992 EM ₃₃	* 1992 03 03.26667	11 06 43.19	+02 21 30.7	19.7	8 809
1992 EQ ₃₂	* 1992 03 02.27326	10 51 36.16	+04 13 45.3	18.6	8 809	1992 EM ₃₃	1992 03 06.23750	11 04 15.63	+02 39 34.1	20.8	8 809
1992 EQ ₃₂	1992 03 05.23750	10 48 57.41	+04 30 56.3		8 809	1992 EN ₃₃	* 1992 03 03.26667	11 10 56.00	+05 21 22.6	20.8	8 809
1992 EQ ₃₂	1992 03 09.15972	10 45 28.35	+04 53 57.8		8 809	1992 EN ₃₃	1992 03 06.23750	11 07 43.78	+05 30 03.5	19.7	8 809
1992 ER ₃₂	* 1992 03 02.27326	10 52 07.95	+06 13 45.4	16.4	8 809	1992 EO ₃₃	1992 03 01.28750	11 13 55.66	+04 22 44.5	18.6	8 809
1992 ER ₃₂	1992 03 05.23750	10 48 55.92	+06 20 48.1	18.6	8 809	1992 EO ₃₃	* 1992 03 03.26667	11 12 35.94	+04 43 57.2		8 809
1992 ES ₃₂	* 1992 03 02.27326	10 52 17.79	+03 51 10.1	16.4	8 809	1992 EO ₃₃	1992 03 06.23750	11 10 35.43	+05 15 50.6		8 809
1992 ES ₃₂	1992 03 05.23750	10 50 07.15	+04 03 20.0	19.7	8 809	1992 EP ₃₃	1992 03 01.28750	11 15 03.59	+06 28 17.1	18.6	8 809
1992 ES ₃₂	1992 03 09.15972	10 47 15.97	+04 19 32.0	17.5	8 809	1992 EP ₃₃	* 1992 03 03.26667	11 13 24.46	+06 43 01.5	18.6	8 809
1992 ET ₃₂	* 1992 03 02.27326	10 52 36.22	+03 29 07.8	18.6	8 809	1992 EP ₃₃	1992 03 07.23125	11 10 02.41	+07 12 32.3	19.7	8 809
1992 ET ₃₂	1992 03 09.15972	10 48 09.82	+03 57 07.2	18.6	8 809	1992 EQ ₃₃	1992 03 01.28750	11 17 25.38	+06 28 48.5	19.7	8 809
1992 ET ₃₂	1992 04 07.14618	10 33 46.43	+05 39 45.6	19.8	8 809	1992 EQ ₃₃	* 1992 03 03.26667	11 15 39.74	+06 39 45.1	20.8	8 809
1992 EU ₃₂	* 1992 03 02.27326	10 53 41.14	+04 48 06.0	19.7	8 809	1992 EQ ₃₃	1992 03 07.23125	11 12 05.96	+07 01 40.8	20.8	8 809
1992 EU ₃₂	1992 03 09.15972	10 48 14.08	+05 44 01.0		8 809	1992 ER ₃₃	* 1992 03 03.26667	11 17 01.66	+04 36 27.4	19.7	8 809
1992 EV ₃₂	* 1992 03 02.27326	10 54 54.23	+02 51 05.6	18.6	8 809	1992 ER ₃₃	1992 03 06.23750	11 14 26.41	+04 55 43.9	19.7	8 809
1992 EV ₃₂	1992 03 05.23750	10 52 28.12	+03 08 36.3	19.7	8 809	1992 ES ₃₃	* 1992 03 03.26667	11 17 01.74	+04 32 32.0	18.6	8 809
1992 EV ₃₂	1992 03 09.15972	10 49 17.41	+03 31 56.8	19.7	8 809	1992 ES ₃₃	1992 03 06.23750	11 14 25.05	+04 49 30.6	17.5	8 809
1992 EV ₃₂	1992 04 07.10451	10 31 46.34	+05 58 51.7	19.8	8 809	1992 ET ₃₃	* 1992 03 03.26667	11 17 29.58	+03 50 46.4	15.3	8 809
1992 EX ₃₂	* 1992 03 02.27326	10 55 15.89	+04 10 39.2	17.5	8 809	1992 ET ₃₃	1992 03 06.23750	11 14 48.65	+04 14 44.6	16.4	8 809
1992 EX ₃₂	1992 03 05.23750	10 52 38.30	+04 23 48.7	19.7	8 809	1992 EU ₃₃	* 1992 03 05.23750	10 39 34.19	+02 22 09.3		8 809
1992 EY ₃₂	* 1992 03 02.27326	10 55 58.92	+04 32 19.0	18.6	8 809	1992 EU ₃₃	1992 03 09.15972	10 36 06.25	+02 52 23.1		8 809
1992 EY ₃₂	1992 03 05.23750	10 53 39.37	+04 56 06.9		8 809	1992 EV ₃₃	* 1992 03 05.23750	10 43 51.33	+01 25 35.3	17.5	8 809
1992 EY ₃₂	1992 03 09.15972	10 50 36.74	+05 27 30.7		8 809	1992 EV ₃₃	1992 03 09.15972	10 40 55.75	+01 45 30.2	16.4	8 809
1992 EZ ₃₂	* 1992 03 02.27326	10 56 08.32	+05 32 16.4	19.7	8 809	1992 EW ₃₃	* 1992 03 05.23750	10 44 56.27	+06 04 50.6	19.7	8 809
1992 EZ ₃₂	1992 03 05.23750	10 53 56.25	+05 50 44.6		8 809	1992 EW ₃₃	1992 03 09.15972	10 41 11.47	+06 12 52.7		8 809
1992 EA ₃₃	* 1992 03 02.27326	10 56 12.74	+03 21 12.0	20.8	8 809	1992 EX ₃₃	* 1992 03 05.23750	10 46 24.76	+01 56 13.4	19.7	8 809
1992 EA ₃₃	1992 03 09.15972	10 50 43.71	+04 04 27.6		8 809	1992 EX ₃₃	1992 03 09.15972	10 42 58.32	+02 26 10.6		8 809

1992 EY ₃₃	* 1992 03 05.23750	10 54 33.70	+03 53 10.0	19.7	8 809	1992 EX ₃₄	* 1992 03 03.26667	11 18 14.96	+04 49 03.5	15.3	8 809
1992 EY ₃₃	1992 03 09.15972	10 51 01.03	+04 10 10.3	20.8	8 809	1992 EX ₃₄	1992 03 06.23750	11 16 01.48	+05 06 11.5	15.3	8 809
1992 EZ ₃₃	* 1992 03 05.23750	10 55 01.23	+02 04 49.9	17.5	8 809	1992 EY ₃₄	* 1992 03 01.14722	10 22 11.68	+15 44 28.3	18.6	8 809
1992 EZ ₃₃	1992 03 09.15972	10 51 55.21	+02 49 31.1	16.4	8 809	1992 EY ₃₄	1992 03 04.16597	10 19 30.65	+16 10 13.2	18.6	8 809
1992 EA ₃₄	1992 03 01.28750	10 58 30.41	+03 19 37.5	17.5	8 809	1992 EY ₃₄	1992 03 06.16389	10 17 47.14	+16 26 27.1	19.7	8 809
1992 EA ₃₄	* 1992 03 05.23750	10 55 11.86	+03 55 44.6	18.6	8 809	1992 EZ ₃₄	* 1992 03 01.14722	10 23 45.71	+12 42 44.7	17.5	8 809
1992 EA ₃₄	1992 03 09.15972	10 51 55.96	+04 31 51.0	19.7	8 809	1992 EZ ₃₄	1992 03 06.16389	10 19 33.55	+12 54 27.1	19.7	8 809
1992 EB ₃₄	* 1992 03 01.28750	11 00 46.89	+04 32 48.8	17.5	8 809	1992 EA ₃₅	* 1992 03 01.14722	10 25 43.88	+15 24 19.4		8 809
1992 EB ₃₄	1992 03 03.26667	10 59 22.83	+04 58 42.5	20.8	8 809	1992 EA ₃₅	1992 03 06.16389	10 21 15.37	+15 25 34.1		8 809
1992 EB ₃₄	1992 03 06.23750	10 57 15.88	+05 37 58.9		8 809	1992 EB ₃₅	* 1992 03 01.14722	10 27 18.08	+15 30 33.0	19.7	8 809
1992 EB ₃₄	1992 03 09.15972	10 55 10.41	+06 16 56.8		8 809	1992 EB ₃₅	1992 03 06.16389	10 23 00.95	+15 59 35.5	20.8	8 809
1992 EC ₃₄	* 1992 03 01.28750	11 06 27.72	+04 25 28.5	20.8	8 809	1992 EC ₃₅	* 1992 03 01.14722	10 28 35.53	+13 06 30.8	20.8	8 809
1992 EC ₃₄	1992 03 06.23750	11 02 33.96	+04 51 33.3		8 809	1992 EC ₃₅	1992 03 06.16389	10 23 53.32	+13 34 28.7	20.8	8 809
1992 ED ₃₄	* 1992 03 01.28750	11 08 14.01	+01 58 03.7		8 809	1992 ED ₃₅	* 1992 03 01.14722	10 30 05.49	+13 43 20.4	17.5	8 809
1992 ED ₃₄	1992 03 06.23750	11 03 24.01	+02 19 23.5		8 809	1992 ED ₃₅	1992 03 06.16389	10 25 06.82	+13 49 39.9		8 809
1992 EE ₃₄	* 1992 03 01.28750	11 08 17.80	+01 57 13.6	18.6	8 809	1992 EE ₃₅	* 1992 03 01.14722	10 33 39.96	+13 11 04.6	19.7	8 809
1992 EE ₃₄	1992 03 06.23750	11 05 13.26	+02 15 49.2	18.6	8 809	1992 EE ₃₅	1992 03 06.16389	10 28 34.95	+13 44 52.2		8 809
1992 EF ₃₄	* 1992 03 01.28750	11 09 43.84	+02 22 59.6	19.7	8 809	1992 EF ₃₅	* 1992 03 01.14722	10 34 38.83	+14 15 35.8	20.8	8 809
1992 EF ₃₄	1992 03 06.23750	11 06 15.29	+02 59 15.3	19.7	8 809	1992 EF ₃₅	1992 03 06.16389	10 29 40.32	+14 47 19.1		8 809
1992 EG ₃₄	* 1992 03 01.28750	11 13 20.04	+06 01 12.9		8 809	1992 EG ₃₅	* 1992 03 05.16458	10 48 01.51	+13 31 49.6	19.7	8 809
1992 EG ₃₄	1992 03 06.23750	11 09 43.06	+06 24 27.4		8 809	1992 EG ₃₅	1992 03 07.16111	10 46 24.36	+13 44 54.8	19.7	8 809
1992 EH ₃₄	* 1992 03 01.28750	11 15 52.37	+02 14 49.9	20.8	8 809	1992 EH ₃₅	* 1992 03 02.14305	10 30 08.32	+07 20 10.3	19.7	8 809
1992 EH ₃₄	1992 03 06.23750	11 11 13.81	+02 46 07.3		8 809	1992 EH ₃₅	1992 03 04.09375	10 28 19.75	+07 32 44.9	19.7	8 809
1992 EJ ₃₄	* 1992 03 01.28750	11 16 38.03	+02 22 45.3		8 809	1992 EH ₃₅	1992 03 07.09167	10 25 35.78	+07 51 52.7		8 809
1992 EJ ₃₄	1992 03 06.23750	11 11 25.74	+03 00 59.5		8 809	1992 EJ ₃₅	* 1992 03 02.21389	10 50 37.65	+17 07 46.0	19.7	8 809
1992 EK ₃₄	* 1992 03 01.28750	11 17 25.67	+05 38 22.4	18.6	8 809	1992 EJ ₃₅	1992 03 07.16111	10 42 18.98	+16 14 34.5	20.8	8 809
1992 EK ₃₄	1992 03 03.26667	11 15 57.79	+05 48 53.6		8 809	1992 EK ₃₅	* 1992 03 02.21389	10 52 36.99	+15 00 15.2	20.8	8 809
1992 EK ₃₄	1992 03 06.23750	11 13 44.44	+06 04 46.2		8 809	1992 EK ₃₅	1992 03 07.16111	10 49 06.93	+15 34 12.6		8 809
1992 EL ₃₄	* 1992 03 01.28750	11 17 33.96	+02 29 58.9	20.8	8 809	1992 EL ₃₅	1992 03 01.28750	10 57 07.72	+04 24 44.2	18.6	8 809
1992 EL ₃₄	1992 03 06.23750	11 14 00.62	+03 07 25.1		8 809	1992 EL ₃₅	* 1992 03 02.27326	10 56 11.47	+04 32 53.5	17.5	8 809
1992 EM ₃₄	* 1992 03 03.26667	11 00 40.97	+01 53 22.5	17.5	8 809	1992 EL ₃₅	1992 03 05.23750	10 53 21.23	+04 57 34.9	20.8	8 809
1992 EM ₃₄	1992 03 06.23750	10 57 48.36	+02 06 38.6	19.7	8 809	1992 EL ₃₅	1992 03 09.15972	10 49 36.64	+05 30 29.9	18.6	8 809
1992 EN ₃₄	* 1992 03 03.26667	11 03 19.01	+05 30 19.5	15.3	8 809	1992 EM ₃₅	* 1992 03 03.26667	11 09 13.01	+01 35 15.2	20.8	8 809
1992 EN ₃₄	1992 03 06.23750	11 00 14.68	+05 41 18.2	16.4	8 809	1992 EM ₃₅	1992 03 06.23750	11 06 23.25	+01 55 23.3		8 809
1992 EO ₃₄	* 1992 03 03.26667	11 05 26.73	+01 40 13.7	16.4	8 809	1992 EN ₃₅	* 1992 03 03.26667	11 16 12.81	+01 30 33.8	20.8	8 809
1992 EO ₃₄	1992 03 06.23750	11 03 11.22	+02 05 36.9	16.4	8 809	1992 EN ₃₅	1992 03 06.23750	11 14 10.24	+02 02 45.8	20.8	8 809
1992 EP ₃₄	* 1992 03 03.26667	11 12 49.83	+01 33 40.2	18.6	8 809	1992 EO ₃₅	* 1992 03 03.26667	11 18 22.04	+03 54 06.6	17.5	8 809
1992 EP ₃₄	1992 03 06.23750	11 10 06.35	+01 54 25.7	20.8	8 809	1992 EO ₃₅	1992 03 06.23750	11 16 19.63	+04 15 36.4	17.5	8 809
1992 EQ ₃₄	* 1992 03 03.26667	11 16 26.87	+01 29 52.4	20.8	8 809	1992 EP ₃₅	* 1992 03 05.16458	10 45 32.02	+17 11 05.0	20.8	8 809
1992 EQ ₃₄	1992 03 06.23750	11 13 38.84	+01 45 45.2	20.8	8 809	1992 EP ₃₅	1992 03 07.16111	10 44 03.83	+17 18 44.3	20.8	8 809
1992 ER ₃₄	* 1992 03 03.26667	11 17 23.52	+03 00 42.9	19.7	8 809	1992 EQ ₃₅	* 1992 03 01.28750	11 15 34.78	+03 08 08.1		8 809
1992 ER ₃₄	1992 03 06.23750	11 14 44.39	+03 22 13.1	19.7	8 809	1992 EQ ₃₅	1992 03 03.26667	11 13 47.55	+03 20 57.0	20.8	8 809
1992 ES ₃₄	* 1992 03 03.26667	11 17 29.45	+02 20 38.3	16.4	8 809	1992 EQ ₃₅	1992 03 06.23750	11 11 05.37	+03 40 27.9		8 809
1992 ES ₃₄	1992 03 06.23750	11 14 41.39	+02 34 25.7	17.5	8 809	1992 ER ₃₅	* 1992 03 02.21389	10 49 01.89	+13 55 39.6	17.5	8 809
1992 ET ₃₄	* 1992 03 03.26667	11 17 35.11	+03 17 46.1		8 809	1992 ER ₃₅	1992 03 05.16458	10 46 34.56	+14 00 41.4	18.6	8 809
1992 ET ₃₄	1992 03 06.23750	11 15 05.41	+03 39 57.7		8 809	1992 ES ₃₅	* 1992 03 03.13333	10 16 50.66	+02 50 47.1		8 809
1992 EU ₃₄	* 1992 03 03.26667	11 17 38.25	+05 16 27.9	17.5	8 809	1992 ES ₃₅	1992 03 05.09236	10 15 31.24	+03 08 30.2		8 809
1992 EU ₃₄	1992 03 06.23750	11 14 47.82	+05 29 31.6	16.4	8 809	1992 ET ₃₅	* 1992 03 03.13333	10 34 12.97	+03 24 20.9	20.8	8 809
1992 EV ₃₄	* 1992 03 03.26667	11 17 44.86	+04 53 29.7		8 809	1992 ET ₃₅	1992 03 05.09236	10 32 36.11	+03 33 48.1		8 809
1992 EV ₃₄	1992 03 06.23750	11 15 21.73	+05 12 37.5		8 809	1992 EU ₃₅	* 1992 03 03.26667	11 06 36.81	+02 45 44.0	20.8	8 809
1992 EW ₃₄	* 1992 03 03.26667	11 17 59.47	+04 38 13.0	17.5	8 809	1992 EU ₃₅	1992 03 06.23750	11 04 17.49	+02 59 41.1	20.8	8 809
1992 EW ₃₄	1992 03 06.23750	11 15 20.38	+04 52 21.5	17.5	8 809	1992 EV ₃₅	* 1992 03 03.26667	11 13 20.63	+05 10 14.6	17.5	8 809

1992 EV ₃₅	1992 03 06.23750	11 10 50.40	+05 25 47.9	17.5	8 809	1993 RK ₄	1993 09 16.25521	00 21 45.92	+04 53 11.3		7 809
1993 RL ₁	1993 09 14.24549	23 40 49.39	-00 46 01.0	18.5	7 809	1993 RK ₄	1993 09 16.27604	00 21 44.72	+04 53 02.6		7 809
1993 RL ₁	1993 09 14.26632	23 40 47.90	-00 46 02.1		7 809	1993 RK ₄	1993 09 16.29688	00 21 43.73	+04 52 57.4		7 809
1993 RL ₁	1993 09 14.28715	23 40 46.66	-00 46 03.4		7 809	1993 RK ₄	1993 09 23.21076	00 15 35.49	+04 17 02.3	19.0	7 809
1993 RL ₁	1993 09 19.22535	23 35 44.28	-00 48 49.1		7 809	1993 RK ₄	1993 09 23.23160	00 15 34.21	+04 16 52.9		7 809
1993 RL ₁	1993 09 19.24618	23 35 42.68	-00 48 48.6		7 809	1993 RK ₄	1993 09 23.25243	00 15 32.98	+04 16 45.2		7 809
1993 RL ₁	1993 09 19.26701	23 35 41.40	-00 48 48.7		7 809	1993 RL ₄	1993 09 23.21076	00 15 42.56	+05 14 49.4	18.4	7 809
1993 RM ₁	1993 09 14.24549	23 41 12.23	-00 31 53.0	18.8	7 809	1993 RL ₄	1993 09 23.23160	00 15 41.40	+05 14 40.7		7 809
1993 RM ₁	1993 09 14.26632	23 41 11.09	-00 31 59.2		7 809	1993 RL ₄	1993 09 23.25243	00 15 40.12	+05 14 32.3		7 809
1993 RM ₁	1993 09 14.28715	23 41 10.07	-00 32 04.9		7 809	1993 RM ₄	1993 09 23.21076	00 16 34.04	+04 28 23.8	18.4	7 809
1993 RM ₁	1993 09 19.22535	23 37 18.47	-00 54 50.7		7 809	1993 RM ₄	1993 09 23.23160	00 16 32.99	+04 28 15.6		7 809
1993 RM ₁	1993 09 19.24618	23 37 17.58	-00 54 56.7		7 809	1993 RM ₄	1993 09 23.25243	00 16 31.86	+04 28 07.7		7 809
1993 RM ₁	1993 09 19.26701	23 37 16.60	-00 55 02.4		7 809	1993 RN ₄	1993 09 16.25521	00 22 30.85	+03 37 24.5		7 809
1993 RF ₂	1993 09 23.21076	00 16 56.23	+03 29 53.8	18.0	7 809	1993 RN ₄	1993 09 16.27604	00 22 30.01	+03 37 12.1		7 809
1993 RF ₂	1993 09 23.23160	00 16 54.83	+03 29 50.4		7 809	1993 RN ₄	1993 09 16.29688	00 22 29.20	+03 37 01.1		7 809
1993 RF ₂	1993 09 23.25243	00 16 53.51	+03 29 47.5		7 809	1993 RN ₄	1993 09 23.21076	00 18 08.94	+02 27 26.9	18.4	7 809
1993 RZ ₃	1993 09 16.25521	00 18 54.24	+04 04 11.3		7 809	1993 RN ₄	1993 09 23.23160	00 18 08.08	+02 27 13.8		7 809
1993 RZ ₃	1993 09 16.27604	00 18 53.03	+04 04 05.6		7 809	1993 RN ₄	1993 09 23.25243	00 18 07.16	+02 27 00.2		7 809
1993 RZ ₃	1993 09 16.29688	00 18 51.76	+04 03 59.2		7 809	1993 RO ₄	1993 09 16.25521	00 22 43.44	+05 09 59.1		7 809
1993 RZ ₃	1993 09 23.21076	00 11 58.32	+03 31 55.1	18.4	7 809	1993 RO ₄	1993 09 16.27604	00 22 42.55	+05 09 51.5		7 809
1993 RZ ₃	1993 09 23.23160	00 11 56.86	+03 31 46.6		7 809	1993 RO ₄	1993 09 16.29688	00 22 41.57	+05 09 42.9		7 809
1993 RZ ₃	1993 09 23.25243	00 11 55.51	+03 31 39.6		7 809	1993 RO ₄	1993 09 23.21076	00 17 36.83	+04 18 55.5	18.5	7 809
1993 RD ₄	1993 09 16.25521	00 19 32.30	+04 43 37.0		7 809	1993 RO ₄	1993 09 23.23160	00 17 35.90	+04 18 46.1		7 809
1993 RD ₄	1993 09 16.27604	00 19 31.07	+04 43 32.6		7 809	1993 RO ₄	1993 09 23.25243	00 17 34.69	+04 18 32.9		7 809
1993 RD ₄	1993 09 16.29688	00 19 30.00	+04 43 27.9		7 809	1993 RP ₄	1993 09 23.21076	00 17 08.54	+04 14 28.0	19.1	7 809
1993 RD ₄	1993 09 23.21076	00 13 29.37	+04 18 58.4	18.4	7 809	1993 RP ₄	1993 09 23.23160	00 17 07.39	+04 14 15.4		7 809
1993 RD ₄	1993 09 23.23160	00 13 28.21	+04 18 52.3		7 809	1993 RP ₄	1993 09 23.25243	00 17 06.23	+04 14 03.2		7 809
1993 RD ₄	1993 09 23.25243	00 13 26.96	+04 18 47.0		7 809	1993 RQ ₄	1993 09 16.25521	00 22 49.57	+05 28 13.0		7 809
1993 RE ₄	1993 09 16.25521	00 20 16.64	+04 41 20.0		7 809	1993 RQ ₄	1993 09 16.27604	00 22 48.58	+05 28 06.1		7 809
1993 RE ₄	1993 09 16.27604	00 20 15.61	+04 41 16.1		7 809	1993 RQ ₄	1993 09 16.29688	00 22 47.63	+05 28 00.6		7 809
1993 RE ₄	1993 09 16.29688	00 20 14.55	+04 41 12.3		7 809	1993 RQ ₄	1993 09 23.21076	00 17 28.28	+04 48 30.0	18.2	7 809
1993 RE ₄	1993 09 23.21076	00 14 56.45	+04 22 46.8	18.8	7 809	1993 RQ ₄	1993 09 23.23160	00 17 27.19	+04 48 22.2		7 809
1993 RE ₄	1993 09 23.23160	00 14 55.43	+04 22 42.8		7 809	1993 RQ ₄	1993 09 23.25243	00 17 26.05	+04 48 13.9		7 809
1993 RE ₄	1993 09 23.25243	00 14 54.36	+04 22 38.6		7 809	1993 RR ₄	1993 09 16.25521	00 22 59.20	+05 35 23.7		7 809
1993 RF ₄	1993 09 16.25521	00 20 57.75	+03 55 05.8		7 809	1993 RR ₄	1993 09 16.27604	00 22 58.25	+05 35 18.4		7 809
1993 RF ₄	1993 09 16.27604	00 20 56.72	+03 54 57.2		7 809	1993 RR ₄	1993 09 16.29688	00 22 57.30	+05 35 12.8		7 809
1993 RF ₄	1993 09 16.29688	00 20 55.72	+03 54 48.8		7 809	1993 RR ₄	1993 09 23.21076	00 17 47.94	+04 59 36.7	18.4	7 809
1993 RF ₄	1993 09 23.21076	00 15 26.75	+03 07 07.4	18.5	7 809	1993 RR ₄	1993 09 23.23160	00 17 46.82	+04 59 28.9		7 809
1993 RF ₄	1993 09 23.23160	00 15 25.63	+03 06 56.9		7 809	1993 RR ₄	1993 09 23.25243	00 17 45.76	+04 59 22.2		7 809
1993 RF ₄	1993 09 23.25243	00 15 24.49	+03 06 48.4		7 809	1993 RT ₄	1993 09 23.21076	00 17 14.00	+04 08 53.9	19.0	7 809
1993 RH ₄	1993 09 16.25521	00 21 19.45	+03 51 15.8		7 809	1993 RT ₄	1993 09 23.23160	00 17 12.79	+04 08 45.4		7 809
1993 RH ₄	1993 09 16.27604	00 21 18.28	+03 51 11.9		7 809	1993 RT ₄	1993 09 23.25243	00 17 11.70	+04 08 38.4		7 809
1993 RH ₄	1993 09 16.29688	00 21 17.15	+03 51 09.6		7 809	1993 RV ₄	1993 09 16.25521	00 23 19.88	+04 20 42.4		7 809
1993 RH ₄	1993 09 23.21076	00 15 15.27	+03 26 50.0	18.6	7 809	1993 RV ₄	1993 09 16.27604	00 23 18.64	+04 20 35.1		7 809
1993 RH ₄	1993 09 23.23160	00 15 14.10	+03 26 44.6		7 809	1993 RV ₄	1993 09 16.29688	00 23 17.57	+04 20 28.6		7 809
1993 RH ₄	1993 09 23.25243	00 15 12.92	+03 26 39.1		7 809	1993 RV ₄	1993 09 23.21076	00 16 49.79	+03 39 14.3	18.5	7 809
1993 RJ ₄	1993 09 16.25521	00 21 24.95	+03 59 44.8		7 809	1993 RV ₄	1993 09 23.23160	00 16 48.39	+03 39 04.9		7 809
1993 RJ ₄	1993 09 16.27604	00 21 23.81	+03 59 41.3		7 809	1993 RV ₄	1993 09 23.25243	00 16 47.27	+03 38 59.8		7 809
1993 RJ ₄	1993 09 16.29688	00 21 22.73	+03 59 36.7		7 809	1993 RW ₄	1993 09 23.21076	00 18 41.38	+03 10 42.6	18.4	7 809
1993 RJ ₄	1993 09 23.21076	00 15 23.52	+03 34 29.8	18.5	7 809	1993 RW ₄	1993 09 23.23160	00 18 40.38	+03 10 34.8		7 809
1993 RJ ₄	1993 09 23.23160	00 15 22.37	+03 34 24.3		7 809	1993 RW ₄	1993 09 23.25243	00 18 39.43	+03 10 28.4		7 809
1993 RJ ₄	1993 09 23.25243	00 15 21.17	+03 34 18.4		7 809	1993 RX ₄	1993 09 16.25521	00 23 50.77	+04 59 35.8		7 809

1993 RX ₄	1993 09 16.27604	00 23 49.78	+04 59 24.2		7 809	1993 RQ ₅	1993 09 23.25243	00 22 36.39	+02 20 38.7		7 809
1993 RX ₄	1993 09 16.29688	00 23 48.76	+04 59 12.6		7 809	1993 RT ₅	1993 09 16.25521	00 28 24.53	+02 28 29.8		7 809
1993 RX ₄	1993 09 23.21076	00 18 30.68	+03 50 09.4	18.5	7 809	1993 RT ₅	1993 09 16.27604	00 28 23.33	+02 28 29.8		7 809
1993 RX ₄	1993 09 23.23160	00 18 29.64	+03 49 55.7		7 809	1993 RT ₅	1993 09 16.29688	00 28 22.15	+02 28 32.4		7 809
1993 RX ₄	1993 09 23.25243	00 18 28.55	+03 49 43.3		7 809	1993 RT ₅	1993 09 23.21076	00 22 03.59	+02 34 04.3	18.3	7 809
1993 RB ₅	1993 09 16.25521	00 26 05.11	+03 20 16.3		7 809	1993 RT ₅	1993 09 23.23160	00 22 02.35	+02 34 04.2		7 809
1993 RB ₅	1993 09 16.27604	00 26 04.13	+03 20 09.7		7 809	1993 RT ₅	1993 09 23.25243	00 22 01.06	+02 34 05.4		7 809
1993 RB ₅	1993 09 16.29688	00 26 03.11	+03 20 02.7		7 809	1993 RU ₅	1993 09 16.25521	00 28 30.62	+05 05 10.7		7 809
1993 RB ₅	1993 09 23.21076	00 20 50.98	+02 41 52.5	18.3	7 809	1993 RU ₅	1993 09 16.27604	00 28 29.25	+05 05 02.0		7 809
1993 RB ₅	1993 09 23.23160	00 20 49.95	+02 41 45.7		7 809	1993 RU ₅	1993 09 16.29688	00 28 28.30	+05 04 59.9		7 809
1993 RB ₅	1993 09 23.25243	00 20 48.87	+02 41 37.0		7 809	1993 RU ₅	1993 09 23.21076	00 22 15.30	+04 32 14.0	18.5	7 809
1993 RC ₅	1993 09 16.25521	00 26 23.71	+05 13 36.0		7 809	1993 RU ₅	1993 09 23.23160	00 22 13.84	+04 32 07.6		7 809
1993 RC ₅	1993 09 16.27604	00 26 22.82	+05 13 30.2		7 809	1993 RU ₅	1993 09 23.25243	00 22 12.63	+04 32 00.6		7 809
1993 RC ₅	1993 09 16.29688	00 26 21.87	+05 13 23.5		7 809	1993 RV ₅	1993 09 16.25521	00 28 46.24	+03 48 06.9		7 809
1993 RC ₅	1993 09 23.21076	00 21 38.42	+04 37 50.9	18.4	7 809	1993 RV ₅	1993 09 16.27604	00 28 45.35	+03 48 00.7		7 809
1993 RC ₅	1993 09 23.23160	00 21 37.38	+04 37 43.1		7 809	1993 RV ₅	1993 09 16.29688	00 28 44.33	+03 47 52.4		7 809
1993 RC ₅	1993 09 23.25243	00 21 36.50	+04 37 38.1		7 809	1993 RV ₅	1993 09 23.21076	00 23 08.82	+03 05 29.4	18.7	7 809
1993 RD ₅	1993 09 16.25521	00 26 21.71	+05 14 28.5		7 809	1993 RV ₅	1993 09 23.23160	00 23 07.87	+03 05 20.7		7 809
1993 RD ₅	1993 09 16.27604	00 26 20.53	+05 14 20.8		7 809	1993 RV ₅	1993 09 23.25243	00 23 06.70	+03 05 12.1		7 809
1993 RD ₅	1993 09 16.29688	00 26 19.30	+05 14 14.4		7 809	1993 RW ₅	1993 09 23.21076	00 22 25.43	+04 24 05.3	18.6	7 809
1993 RE ₅	1993 09 16.25521	00 26 39.03	+03 08 24.2		7 809	1993 RW ₅	1993 09 23.23160	00 22 24.13	+04 23 57.8		7 809
1993 RE ₅	1993 09 16.27604	00 26 38.09	+03 08 15.5		7 809	1993 RW ₅	1993 09 23.25243	00 22 22.87	+04 23 51.5		7 809
1993 RE ₅	1993 09 16.29688	00 26 37.23	+03 08 08.9		7 809	1993 RX ₅	1993 09 16.25521	00 28 49.05	+03 59 11.4		7 809
1993 RE ₅	1993 09 23.21076	00 21 40.62	+02 19 52.5	18.3	7 809	1993 RX ₅	1993 09 16.27604	00 28 47.83	+03 59 02.7		7 809
1993 RE ₅	1993 09 23.23160	00 21 39.48	+02 19 43.8		7 809	1993 RX ₅	1993 09 16.29688	00 28 46.63	+03 58 54.1		7 809
1993 RE ₅	1993 09 23.25243	00 21 38.49	+02 19 35.2		7 809	1993 RX ₅	1993 09 23.21076	00 22 36.54	+03 07 45.3	18.5	7 809
1993 RG ₅	1993 09 16.25521	00 26 28.17	+05 08 17.8		7 809	1993 RX ₅	1993 09 23.23160	00 22 35.13	+03 07 35.6		7 809
1993 RG ₅	1993 09 16.27604	00 26 26.96	+05 08 13.0		7 809	1993 RX ₅	1993 09 23.25243	00 22 33.92	+03 07 25.8		7 809
1993 RG ₅	1993 09 16.29688	00 26 25.78	+05 08 07.6		7 809	1993 RZ ₅	1993 09 16.25521	00 29 12.16	+04 48 37.0		7 809
1993 RG ₅	1993 09 23.21076	00 20 02.56	+04 35 54.7	18.3	7 809	1993 RZ ₅	1993 09 16.27604	00 29 11.13	+04 48 30.3		7 809
1993 RG ₅	1993 09 23.23160	00 20 01.22	+04 35 48.3		7 809	1993 RZ ₅	1993 09 16.29688	00 29 10.09	+04 48 22.8		7 809
1993 RG ₅	1993 09 23.25243	00 20 00.04	+04 35 41.6		7 809	1993 RZ ₅	1993 09 23.21076	00 23 34.46	+04 03 20.2	18.3	7 809
1993 RH ₅	1993 09 16.25521	00 26 34.95	+05 34 19.6		7 809	1993 RZ ₅	1993 09 23.23160	00 23 33.32	+04 03 12.1		7 809
1993 RH ₅	1993 09 16.27604	00 26 33.86	+05 34 16.6		7 809	1993 RZ ₅	1993 09 23.25243	00 23 32.20	+04 03 03.6		7 809
1993 RH ₅	1993 09 16.29688	00 26 32.77	+05 34 14.6		7 809	1993 RY ₆	1993 09 24.26354	00 26 32.44	+05 54 13.5		7 809
1993 RK ₅	1993 09 16.25521	00 27 01.13	+05 16 15.3		7 809	1993 RY ₆	1993 09 24.28437	00 26 31.30	+05 54 00.8		7 809
1993 RK ₅	1993 09 16.27604	00 26 59.83	+05 16 06.8		7 809	1993 RY ₆	1993 09 24.30521	00 26 30.15	+05 53 48.4		7 809
1993 RK ₅	1993 09 16.29688	00 26 58.81	+05 15 59.7		7 809	1993 RV ₇	1993 09 22.28229	00 32 04.61	+04 49 48.0	18.3	7 809
1993 RM ₅	1993 09 23.21076	00 20 19.35	+04 47 41.1	19.0	7 809	1993 RV ₇	1993 09 22.30312	00 32 03.31	+04 49 44.0		7 809
1993 RM ₅	1993 09 23.23160	00 20 17.96	+04 47 37.1		7 809	1993 RV ₇	1993 09 22.32396	00 32 02.04	+04 49 40.4		7 809
1993 RM ₅	1993 09 23.25243	00 20 16.40	+04 47 35.7		7 809	1993 RB ₈	1993 09 22.28229	00 35 20.63	+02 40 16.4	18.3	7 809
1993 RN ₅	1993 09 16.25521	00 27 25.62	+03 40 21.7		7 809	1993 RB ₈	1993 09 22.30312	00 35 19.66	+02 40 02.5		7 809
1993 RN ₅	1993 09 16.27604	00 27 24.49	+03 40 18.2		7 809	1993 RB ₈	1993 09 22.32396	00 35 18.83	+02 39 51.9		7 809
1993 RN ₅	1993 09 16.29688	00 27 23.45	+03 40 15.7		7 809	1993 RD ₈	* 1993 09 14.24549	23 29 39.39	+00 21 54.6	18.4	7 809
1993 RN ₅	1993 09 23.21076	00 21 22.85	+03 22 11.0	18.5	7 809	1993 RD ₈	1993 09 14.26632	23 29 38.34	+00 21 41.7		7 809
1993 RN ₅	1993 09 23.23160	00 21 21.66	+03 22 07.5		7 809	1993 RD ₈	1993 09 14.28715	23 29 37.26	+00 21 30.7		7 809
1993 RN ₅	1993 09 23.25243	00 21 20.43	+03 22 04.2		7 809	1993 RD ₈	1993 09 19.22535	23 26 04.72	-00 20 50.0		7 809
1993 RQ ₅	1993 09 16.25521	00 27 47.47	+03 12 33.8		7 809	1993 RD ₈	1993 09 19.24618	23 26 03.72	-00 21 01.4		7 809
1993 RQ ₅	1993 09 16.27604	00 27 46.54	+03 12 25.1		7 809	1993 RD ₈	1993 09 19.26701	23 26 02.90	-00 21 09.7		7 809
1993 RQ ₅	1993 09 16.29688	00 27 45.54	+03 12 16.7		7 809	1993 RE ₈	* 1993 09 14.24549	23 30 17.50	-00 13 58.1	18.3	7 809
1993 RQ ₅	1993 09 23.21076	00 22 38.43	+02 20 56.9	18.3	7 809	1993 RE ₈	1993 09 14.26632	23 30 16.61	-00 14 11.7		7 809
1993 RQ ₅	1993 09 23.23160	00 22 37.40	+02 20 47.4		7 809	1993 RE ₈	1993 09 14.28715	23 30 15.74	-00 14 24.8		7 809

1993 RE ₈	1993 09 19.22535	23 27 03.81	-01 06 13.2		7 809	1993 RO ₈	1993 09 14.26632	23 31 33.34	-01 09 24.5		7 809
1993 RE ₈	1993 09 19.24618	23 27 02.86	-01 06 26.3		7 809	1993 RO ₈	1993 09 14.28715	23 31 32.29	-01 09 31.7		7 809
1993 RE ₈	1993 09 19.26701	23 27 02.08	-01 06 39.7		7 809	1993 RO ₈	1993 09 19.22535	23 27 45.10	-01 38 17.8		7 809
1993 RF ₈	* 1993 09 14.24549	23 30 29.67	-02 00 26.3	18.3	7 809	1993 RO ₈	1993 09 19.24618	23 27 44.08	-01 38 25.5		7 809
1993 RF ₈	1993 09 14.26632	23 30 28.59	-02 00 40.1		7 809	1993 RO ₈	1993 09 19.26701	23 27 43.00	-01 38 32.7		7 809
1993 RF ₈	1993 09 14.28715	23 30 27.61	-02 00 52.0		7 809	1993 RP ₈	* 1993 09 14.24549	23 31 45.48	-02 26 41.1	18.6	7 809
1993 RF ₈	1993 09 19.22535	23 26 45.42	-02 49 02.4		7 809	1993 RP ₈	1993 09 14.26632	23 31 44.25	-02 26 47.1		7 809
1993 RF ₈	1993 09 19.24618	23 26 44.43	-02 49 15.6		7 809	1993 RP ₈	1993 09 14.28715	23 31 42.95	-02 26 53.7		7 809
1993 RF ₈	1993 09 19.26701	23 26 43.46	-02 49 27.8		7 809	1993 RP ₈	1993 09 19.22535	23 27 06.73	-02 50 06.7		7 809
1993 RG ₈	* 1993 09 14.24549	23 30 57.23	+00 03 56.9	18.4	7 809	1993 RP ₈	1993 09 19.24618	23 27 05.48	-02 50 11.4		7 809
1993 RG ₈	1993 09 14.26632	23 30 55.99	+00 03 48.1		7 809	1993 RP ₈	1993 09 19.26701	23 27 04.13	-02 50 16.6		7 809
1993 RG ₈	1993 09 14.28715	23 30 54.78	+00 03 39.8		7 809	1993 RQ ₈	* 1993 09 14.24549	23 31 53.48	+00 06 59.1	18.2	7 809
1993 RG ₈	1993 09 19.22535	23 26 33.76	-00 27 50.6		7 809	1993 RQ ₈	1993 09 14.26632	23 31 52.29	+00 06 50.4		7 809
1993 RG ₈	1993 09 19.24618	23 26 32.47	-00 27 59.7		7 809	1993 RQ ₈	1993 09 14.28715	23 31 51.10	+00 06 40.6		7 809
1993 RG ₈	1993 09 19.26701	23 26 31.40	-00 28 07.0		7 809	1993 RQ ₈	1993 09 19.22535	23 27 31.84	-00 27 17.2		7 809
1993 RH ₈	* 1993 09 14.24549	23 31 00.50	-02 32 52.3	18.5	7 809	1993 RQ ₈	1993 09 19.24618	23 27 30.58	-00 27 26.4		7 809
1993 RH ₈	1993 09 14.26632	23 30 59.41	-02 33 02.0		7 809	1993 RQ ₈	1993 09 19.26701	23 27 29.51	-00 27 34.7		7 809
1993 RH ₈	1993 09 14.28715	23 30 58.32	-02 33 10.0		7 809	1993 RR ₈	* 1993 09 14.24549	23 32 05.19	-00 33 11.0	18.4	7 809
1993 RH ₈	1993 09 19.22535	23 27 04.37	-03 06 15.3		7 809	1993 RR ₈	1993 09 14.26632	23 32 04.24	-00 33 20.3		7 809
1993 RH ₈	1993 09 19.24618	23 27 03.31	-03 06 24.0		7 809	1993 RR ₈	1993 09 14.28715	23 32 03.21	-00 33 29.5		7 809
1993 RH ₈	1993 09 19.26701	23 27 02.18	-03 06 34.1		7 809	1993 RR ₈	1993 09 19.22535	23 28 21.16	-01 10 05.9		7 809
1993 RJ ₈	* 1993 09 14.24549	23 31 00.67	-02 13 48.7	18.5	7 809	1993 RR ₈	1993 09 19.24618	23 28 20.18	-01 10 14.3		7 809
1993 RJ ₈	1993 09 14.26632	23 30 59.57	-02 13 55.4		7 809	1993 RR ₈	1993 09 19.26701	23 28 19.13	-01 10 25.2		7 809
1993 RJ ₈	1993 09 14.28715	23 30 58.55	-02 14 00.2		7 809	1993 RS ₈	* 1993 09 14.24549	23 32 12.29	+00 49 49.6	18.5	7 809
1993 RJ ₈	1993 09 19.22535	23 27 01.79	-02 32 57.2		7 809	1993 RS ₈	1993 09 14.26632	23 32 11.35	+00 49 43.1		7 809
1993 RJ ₈	1993 09 19.24618	23 27 00.69	-02 33 04.3		7 809	1993 RS ₈	1993 09 14.28715	23 32 10.21	+00 49 33.3		7 809
1993 RJ ₈	1993 09 19.26701	23 26 59.57	-02 33 08.3		7 809	1993 RS ₈	1993 09 19.22535	23 27 39.79	+00 12 29.4		7 809
1993 RK ₈	* 1993 09 14.24549	23 31 04.40	-01 00 15.9	18.3	7 809	1993 RS ₈	1993 09 19.24618	23 27 38.65	+00 12 17.8		7 809
1993 RK ₈	1993 09 14.26632	23 31 03.12	-01 00 23.7		7 809	1993 RS ₈	1993 09 19.26701	23 27 37.39	+00 12 08.1		7 809
1993 RK ₈	1993 09 14.28715	23 31 01.84	-01 00 32.3		7 809	1993 RT ₈	* 1993 09 14.24549	23 32 33.45	-00 30 19.1	18.4	7 809
1993 RK ₈	1993 09 19.22535	23 26 28.15	-01 29 44.2		7 809	1993 RT ₈	1993 09 14.26632	23 32 32.38	-00 30 27.8		7 809
1993 RK ₈	1993 09 19.24618	23 26 26.89	-01 29 50.6		7 809	1993 RT ₈	1993 09 14.28715	23 32 31.21	-00 30 37.4		7 809
1993 RK ₈	1993 09 19.26701	23 26 25.82	-01 29 57.9		7 809	1993 RT ₈	1993 09 19.22535	23 28 31.30	-01 03 30.3		7 809
1993 RL ₈	* 1993 09 14.24549	23 31 12.46	-01 36 23.7	18.2	7 809	1993 RT ₈	1993 09 19.24618	23 28 30.22	-01 03 39.9		7 809
1993 RL ₈	1993 09 14.26632	23 31 11.22	-01 36 35.9		7 809	1993 RT ₈	1993 09 19.26701	23 28 29.13	-01 03 47.6		7 809
1993 RL ₈	1993 09 14.28715	23 31 10.08	-01 36 47.7		7 809	1993 RU ₈	* 1993 09 14.24549	23 32 43.92	-00 09 18.9	18.0	7 809
1993 RL ₈	1993 09 19.22535	23 26 50.34	-02 21 33.1		7 809	1993 RU ₈	1993 09 14.26632	23 32 42.72	-00 09 23.9		7 809
1993 RL ₈	1993 09 19.24618	23 26 49.24	-02 21 45.3		7 809	1993 RU ₈	1993 09 14.28715	23 32 41.66	-00 09 29.4		7 809
1993 RL ₈	1993 09 19.26701	23 26 48.04	-02 21 56.5		7 809	1993 RU ₈	1993 09 19.22535	23 28 37.43	-00 29 02.7		7 809
1993 RM ₈	* 1993 09 14.24549	23 31 21.14	-00 42 11.8	18.4	7 809	1993 RU ₈	1993 09 19.24618	23 28 36.29	-00 29 07.4		7 809
1993 RM ₈	1993 09 14.26632	23 31 19.93	-00 42 17.6		7 809	1993 RU ₈	1993 09 19.26701	23 28 35.19	-00 29 12.9		7 809
1993 RM ₈	1993 09 14.28715	23 31 18.79	-00 42 24.3		7 809	1993 RV ₈	* 1993 09 14.24549	23 33 02.27	-00 17 14.9	18.5	7 809
1993 RM ₈	1993 09 19.22535	23 27 03.71	-01 03 36.4		7 809	1993 RV ₈	1993 09 14.26632	23 33 01.08	-00 17 21.8		7 809
1993 RM ₈	1993 09 19.24618	23 27 02.48	-01 03 42.4		7 809	1993 RV ₈	1993 09 14.28715	23 32 59.97	-00 17 25.8		7 809
1993 RM ₈	1993 09 19.26701	23 27 01.41	-01 03 48.3		7 809	1993 RV ₈	1993 09 19.22535	23 28 50.51	-00 37 39.2		7 809
1993 RN ₈	* 1993 09 14.24549	23 31 32.42	+00 50 06.8	18.4	7 809	1993 RV ₈	1993 09 19.24618	23 28 49.41	-00 37 43.8		7 809
1993 RN ₈	1993 09 14.26632	23 31 31.32	+00 50 04.1		7 809	1993 RV ₈	1993 09 19.26701	23 28 48.31	-00 37 50.2		7 809
1993 RN ₈	1993 09 14.28715	23 31 30.16	+00 50 01.1		7 809	1993 RW ₈	* 1993 09 14.24549	23 33 02.77	+01 26 15.1	18.3	7 809
1993 RN ₈	1993 09 19.22535	23 27 10.88	+00 40 22.0		7 809	1993 RW ₈	1993 09 14.26632	23 33 01.72	+01 26 00.4		7 809
1993 RN ₈	1993 09 19.24618	23 27 09.72	+00 40 18.0		7 809	1993 RW ₈	1993 09 14.28715	23 33 00.82	+01 25 47.0		7 809
1993 RN ₈	1993 09 19.26701	23 27 08.57	+00 40 15.2		7 809	1993 RW ₈	1993 09 19.22535	23 29 27.16	+00 34 28.2		7 809
1993 RO ₈	* 1993 09 14.24549	23 31 34.42	-01 09 17.0	18.3	7 809	1993 RW ₈	1993 09 19.24618	23 29 26.22	+00 34 15.1		7 809

1993 RW ₈	1993 09 19.26701	23 29 25.30	+00 34 01.9		7 809	1993 RF ₉	1993 09 19.22535	23 30 08.80	-00 30 14.4		7 809
1993 RX ₈	* 1993 09 14.24549	23 33 05.45	+00 08 31.0	18.1	7 809	1993 RF ₉	1993 09 19.24618	23 30 07.46	-00 30 19.0		7 809
1993 RX ₈	1993 09 14.26632	23 33 04.14	+00 08 24.7		7 809	1993 RF ₉	1993 09 19.26701	23 30 06.26	-00 30 22.9		7 809
1993 RX ₈	1993 09 14.28715	23 33 02.95	+00 08 18.0		7 809	1993 RG ₉	* 1993 09 14.24549	23 35 01.08	+00 25 32.9	18.5	7 809
1993 RX ₈	1993 09 19.22535	23 28 33.58	-00 14 52.2		7 809	1993 RG ₉	1993 09 14.26632	23 35 00.14	+00 25 27.8		7 809
1993 RX ₈	1993 09 19.24618	23 28 32.41	-00 14 58.0		7 809	1993 RG ₉	1993 09 14.28715	23 34 59.08	+00 25 23.6		7 809
1993 RX ₈	1993 09 19.26701	23 28 31.31	-00 15 04.9		7 809	1993 RG ₉	1993 09 19.22535	23 31 17.00	+00 07 49.2		7 809
1993 RY ₈	* 1993 09 14.24549	23 33 05.56	-02 04 57.5	18.4	7 809	1993 RG ₉	1993 09 19.24618	23 31 15.79	+00 07 43.1		7 809
1993 RY ₈	1993 09 14.26632	23 33 04.34	-02 05 06.0		7 809	1993 RG ₉	1993 09 19.26701	23 31 14.74	+00 07 37.3		7 809
1993 RY ₈	1993 09 14.28715	23 33 03.17	-02 05 14.0		7 809	1993 RH ₉	* 1993 09 14.24549	23 35 06.38	-00 19 57.7	19.0	7 809
1993 RY ₈	1993 09 19.22535	23 28 44.85	-02 34 28.6		7 809	1993 RH ₉	1993 09 14.26632	23 35 05.12	-00 20 05.6		7 809
1993 RY ₈	1993 09 19.24618	23 28 43.72	-02 34 37.0		7 809	1993 RH ₉	1993 09 14.28715	23 35 04.10	-00 20 10.8		7 809
1993 RY ₈	1993 09 19.26701	23 28 42.62	-02 34 42.9		7 809	1993 RH ₉	1993 09 19.22535	23 30 27.73	-00 48 58.5		7 809
1993 RZ ₈	* 1993 09 14.24549	23 33 39.30	-01 33 40.3	18.5	7 809	1993 RH ₉	1993 09 19.24618	23 30 26.57	-00 49 06.8		7 809
1993 RZ ₈	1993 09 14.26632	23 33 38.06	-01 33 44.9		7 809	1993 RH ₉	1993 09 19.26701	23 30 25.55	-00 49 13.3		7 809
1993 RZ ₈	1993 09 14.28715	23 33 36.76	-01 33 51.4		7 809	1993 RJ ₉	* 1993 09 14.24549	23 35 07.33	-00 19 19.7	18.3	7 809
1993 RZ ₈	1993 09 19.22535	23 29 01.72	-01 56 21.8		7 809	1993 RJ ₉	1993 09 14.26632	23 35 06.05	-00 19 28.2		7 809
1993 RZ ₈	1993 09 19.24618	23 29 00.47	-01 56 27.1		7 809	1993 RJ ₉	1993 09 14.28715	23 35 04.81	-00 19 36.2		7 809
1993 RZ ₈	1993 09 19.26701	23 28 59.28	-01 56 34.4		7 809	1993 RJ ₉	1993 09 19.22535	23 30 35.46	-00 49 51.4		7 809
1993 RA ₉	* 1993 09 14.24549	23 33 51.72	-01 18 42.7	18.5	7 809	1993 RJ ₉	1993 09 19.24618	23 30 34.30	-00 50 00.8		7 809
1993 RA ₉	1993 09 14.26632	23 33 50.64	-01 18 47.4		7 809	1993 RJ ₉	1993 09 19.26701	23 30 33.20	-00 50 07.4		7 809
1993 RA ₉	1993 09 14.28715	23 33 49.66	-01 18 52.9		7 809	1993 RK ₉	* 1993 09 14.24549	23 35 10.25	-03 22 14.1	18.4	7 809
1993 RA ₉	1993 09 19.22535	23 29 54.66	-01 34 23.5		7 809	1993 RK ₉	1993 09 14.26632	23 35 09.27	-03 22 22.2		7 809
1993 RA ₉	1993 09 19.24618	23 29 53.51	-01 34 29.7		7 809	1993 RK ₉	1993 09 14.28715	23 35 08.34	-03 22 31.5		7 809
1993 RA ₉	1993 09 19.26701	23 29 52.52	-01 34 32.0		7 809	1993 RK ₉	1993 09 19.22535	23 31 35.72	-03 54 45.4		7 809
1993 RB ₉	* 1993 09 14.24549	23 33 57.42	-02 22 44.2	18.4	7 809	1993 RK ₉	1993 09 19.24618	23 31 34.85	-03 54 51.8		7 809
1993 RB ₉	1993 09 14.26632	23 33 56.18	-02 22 52.9		7 809	1993 RK ₉	1993 09 19.26701	23 31 33.83	-03 55 01.7		7 809
1993 RB ₉	1993 09 14.28715	23 33 55.07	-02 23 02.8		7 809	1993 RL ₉	* 1993 09 14.24549	23 35 17.38	-02 50 08.5	18.3	7 809
1993 RB ₉	1993 09 19.22535	23 29 29.23	-02 58 35.0		7 809	1993 RL ₉	1993 09 14.26632	23 35 16.34	-02 50 15.0		7 809
1993 RB ₉	1993 09 19.24618	23 29 27.98	-02 58 44.1		7 809	1993 RL ₉	1993 09 14.28715	23 35 15.33	-02 50 22.3		7 809
1993 RB ₉	1993 09 19.26701	23 29 26.82	-02 58 52.4		7 809	1993 RL ₉	1993 09 19.22535	23 31 33.42	-03 16 35.7		7 809
1993 RC ₉	* 1993 09 14.24549	23 34 12.18	-02 37 11.7	18.4	7 809	1993 RL ₉	1993 09 19.24618	23 31 32.40	-03 16 43.0		7 809
1993 RC ₉	1993 09 14.26632	23 34 11.05	-02 37 24.1		7 809	1993 RL ₉	1993 09 19.26701	23 31 31.38	-03 16 48.6		7 809
1993 RC ₉	1993 09 14.28715	23 34 10.05	-02 37 34.8		7 809	1993 RM ₉	* 1993 09 14.24549	23 35 20.95	-01 15 56.1	18.3	7 809
1993 RC ₉	1993 09 19.22535	23 30 21.25	-03 20 03.2		7 809	1993 RM ₉	1993 09 14.26632	23 35 19.70	-01 15 50.5		7 809
1993 RC ₉	1993 09 19.24618	23 30 20.29	-03 20 13.7		7 809	1993 RM ₉	1993 09 14.28715	23 35 18.57	-01 15 43.7		7 809
1993 RC ₉	1993 09 19.26701	23 30 19.25	-03 20 23.8		7 809	1993 RM ₉	1993 09 19.22535	23 31 10.88	-00 49 24.8		7 809
1993 RD ₉	* 1993 09 14.24549	23 34 39.39	-02 53 04.9	18.8	7 809	1993 RM ₉	1993 09 19.24618	23 31 09.75	-00 49 19.1		7 809
1993 RD ₉	1993 09 14.26632	23 34 37.98	-02 53 04.8		7 809	1993 RM ₉	1993 09 19.26701	23 31 08.61	-00 49 12.5		7 809
1993 RD ₉	1993 09 14.28715	23 34 36.89	-02 53 05.2		7 809	1993 RN ₉	* 1993 09 14.24549	23 35 22.65	-00 34 35.5	18.2	7 809
1993 RD ₉	1993 09 19.22535	23 29 53.26	-02 49 30.9		7 809	1993 RN ₉	1993 09 14.26632	23 35 21.58	-00 34 42.0		7 809
1993 RD ₉	1993 09 19.24618	23 29 52.21	-02 49 29.3		7 809	1993 RN ₉	1993 09 14.28715	23 35 20.48	-00 34 47.3		7 809
1993 RD ₉	1993 09 19.26701	23 29 50.86	-02 49 28.9		7 809	1993 RN ₉	1993 09 19.22535	23 31 08.49	-00 56 40.9		7 809
1993 RE ₉	* 1993 09 14.24549	23 34 48.03	-01 52 43.8	19.0	7 809	1993 RN ₉	1993 09 19.24618	23 31 07.30	-00 56 47.0		7 809
1993 RE ₉	1993 09 14.26632	23 34 46.81	-01 52 53.2		7 809	1993 RN ₉	1993 09 19.26701	23 31 06.23	-00 56 52.2		7 809
1993 RE ₉	1993 09 14.28715	23 34 45.50	-01 53 02.2		7 809	1993 RO ₉	* 1993 09 14.24549	23 35 34.30	+00 24 00.2	18.3	7 809
1993 RE ₉	1993 09 19.22535	23 30 09.49	-02 26 57.1		7 809	1993 RO ₉	1993 09 14.26632	23 35 33.07	+00 23 53.5		7 809
1993 RE ₉	1993 09 19.24618	23 30 08.12	-02 27 08.9		7 809	1993 RO ₉	1993 09 14.28715	23 35 31.84	+00 23 45.1		7 809
1993 RE ₉	1993 09 19.26701	23 30 06.99	-02 27 15.1		7 809	1993 RO ₉	1993 09 19.22535	23 30 58.57	-00 03 55.6		7 809
1993 RF ₉	* 1993 09 14.24549	23 34 58.59	-00 14 27.0	18.2	7 809	1993 RO ₉	1993 09 19.24618	23 30 57.40	-00 04 03.9		7 809
1993 RF ₉	1993 09 14.26632	23 34 57.22	-00 14 31.3		7 809	1993 RO ₉	1993 09 19.26701	23 30 56.20	-00 04 10.8		7 809
1993 RF ₉	1993 09 14.28715	23 34 55.90	-00 14 35.5		7 809	1993 RP ₉	* 1993 09 14.24549	23 35 40.65	-01 14 07.5	18.3	7 809

1993 RP ₉	1993 09 14.26632	23 35 39.41	-01 14 15.1	7 809	1993 RX ₉	1993 09 19.26701	23 32 35.27	-00 05 54.6	7 809
1993 RP ₉	1993 09 14.28715	23 35 38.11	-01 14 22.3	7 809	1993 RY ₉	* 1993 09 14.24549	23 37 16.47	+00 54 48.0	18.2 7 809
1993 RP ₉	1993 09 19.22535	23 30 59.36	-01 41 46.3	7 809	1993 RY ₉	1993 09 14.26632	23 37 15.33	+00 54 41.8	7 809
1993 RP ₉	1993 09 19.24618	23 30 58.16	-01 41 53.5	7 809	1993 RY ₉	1993 09 14.28715	23 37 14.26	+00 54 34.7	7 809
1993 RP ₉	1993 09 19.26701	23 30 56.86	-01 42 00.7	7 809	1993 RY ₉	1993 09 19.22535	23 33 13.95	+00 28 40.9	7 809
1993 RQ ₉	* 1993 09 14.24549	23 36 12.12	+00 10 46.1	18.4 7 809	1993 RY ₉	1993 09 19.24618	23 33 12.98	+00 28 34.6	7 809
1993 RQ ₉	1993 09 14.26632	23 36 10.94	+00 10 39.9	7 809	1993 RY ₉	1993 09 19.26701	23 33 11.92	+00 28 27.1	7 809
1993 RQ ₉	1993 09 14.28715	23 36 09.79	+00 10 34.3	7 809	1993 RZ ₉	* 1993 09 14.24549	23 37 20.56	-01 04 17.5	18.6 7 809
1993 RQ ₉	1993 09 19.22535	23 31 50.39	-00 10 42.8	7 809	1993 RZ ₉	1993 09 14.26632	23 37 19.24	-01 04 23.1	7 809
1993 RQ ₉	1993 09 19.24618	23 31 49.23	-00 10 47.6	7 809	1993 RZ ₉	1993 09 14.28715	23 37 18.15	-01 04 30.5	7 809
1993 RQ ₉	1993 09 19.26701	23 31 48.13	-00 10 53.9	7 809	1993 RZ ₉	1993 09 19.22535	23 32 58.76	-01 27 07.5	7 809
1993 RR ₉	* 1993 09 14.24549	23 36 17.96	-00 32 30.4	18.2 7 809	1993 RZ ₉	1993 09 19.24618	23 32 57.48	-01 27 13.7	7 809
1993 RR ₉	1993 09 14.26632	23 36 16.97	-00 32 38.2	7 809	1993 RZ ₉	1993 09 19.26701	23 32 56.55	-01 27 17.4	7 809
1993 RR ₉	1993 09 14.28715	23 36 16.02	-00 32 45.0	7 809	1993 RA ₁₀	* 1993 09 14.24549	23 37 25.00	+01 11 52.2	18.1 7 809
1993 RR ₉	1993 09 19.22535	23 32 42.42	-00 59 56.3	7 809	1993 RA ₁₀	1993 09 14.26632	23 37 23.68	+01 11 48.2	7 809
1993 RR ₉	1993 09 19.24618	23 32 41.37	-01 00 04.2	7 809	1993 RA ₁₀	1993 09 14.28715	23 37 22.52	+01 11 44.4	7 809
1993 RR ₉	1993 09 19.26701	23 32 40.48	-01 00 11.5	7 809	1993 RA ₁₀	1993 09 19.22535	23 32 41.86	+00 57 14.2	7 809
1993 RS ₉	* 1993 09 14.24549	23 36 25.91	-03 41 19.2	18.5 7 809	1993 RA ₁₀	1993 09 19.24618	23 32 40.62	+00 57 10.4	7 809
1993 RS ₉	1993 09 14.26632	23 36 24.72	-03 41 25.1	7 809	1993 RA ₁₀	1993 09 19.26701	23 32 39.40	+00 57 05.9	7 809
1993 RS ₉	1993 09 14.28715	23 36 23.59	-03 41 28.9	7 809	1993 RB ₁₀	* 1993 09 14.24549	23 37 26.85	+00 16 10.4	18.0 7 809
1993 RS ₉	1993 09 19.22535	23 32 09.79	-03 57 31.8	7 809	1993 RB ₁₀	1993 09 14.26632	23 37 25.84	+00 15 51.5	7 809
1993 RS ₉	1993 09 19.24618	23 32 08.63	-03 57 35.9	7 809	1993 RB ₁₀	1993 09 14.28715	23 37 24.88	+00 15 34.2	7 809
1993 RS ₉	1993 09 19.26701	23 32 07.38	-03 57 42.6	7 809	1993 RB ₁₀	1993 09 19.22535	23 33 52.96	-00 55 16.4	7 809
1993 RT ₉	* 1993 09 14.24549	23 36 27.05	+01 16 26.1	18.3 7 809	1993 RB ₁₀	1993 09 19.24618	23 33 51.96	-00 55 34.1	7 809
1993 RT ₉	1993 09 14.26632	23 36 25.92	+01 16 23.9	7 809	1993 RB ₁₀	1993 09 19.26701	23 33 50.94	-00 55 54.2	7 809
1993 RT ₉	1993 09 14.28715	23 36 24.76	+01 16 21.5	7 809	1993 RC ₁₀	* 1993 09 14.24549	23 37 27.04	-03 20 07.2	18.4 7 809
1993 RT ₉	1993 09 19.22535	23 32 05.17	+01 08 48.7	7 809	1993 RC ₁₀	1993 09 14.26632	23 37 25.91	-03 20 13.3	7 809
1993 RT ₉	1993 09 19.24618	23 32 04.09	+01 08 47.0	7 809	1993 RC ₁₀	1993 09 14.28715	23 37 24.86	-03 20 19.6	7 809
1993 RT ₉	1993 09 19.26701	23 32 02.91	+01 08 44.7	7 809	1993 RC ₁₀	1993 09 19.22535	23 33 30.37	-03 42 14.0	7 809
1993 RU ₉	* 1993 09 14.24549	23 36 31.61	-00 33 34.1	18.5 7 809	1993 RC ₁₀	1993 09 19.24618	23 33 29.21	-03 42 20.1	7 809
1993 RU ₉	1993 09 14.26632	23 36 30.27	-00 33 34.7	7 809	1993 RC ₁₀	1993 09 19.26701	23 33 28.26	-03 42 24.8	7 809
1993 RU ₉	1993 09 14.28715	23 36 28.94	-00 33 34.5	7 809	1993 RD ₁₀	* 1993 09 14.24549	23 37 46.22	-00 05 55.7	18.4 7 809
1993 RU ₉	1993 09 19.22535	23 31 30.62	-00 34 23.2	7 809	1993 RD ₁₀	1993 09 14.26632	23 37 45.06	-00 05 58.7	7 809
1993 RU ₉	1993 09 19.24618	23 31 29.27	-00 34 23.5	7 809	1993 RD ₁₀	1993 09 14.28715	23 37 43.90	-00 06 01.1	7 809
1993 RU ₉	1993 09 19.26701	23 31 27.95	-00 34 24.2	7 809	1993 RD ₁₀	1993 09 19.22535	23 33 32.04	-00 16 09.2	7 809
1993 RV ₉	* 1993 09 14.24549	23 36 40.10	-00 47 30.7	18.2 7 809	1993 RD ₁₀	1993 09 19.24618	23 33 30.92	-00 16 12.1	7 809
1993 RV ₉	1993 09 14.26632	23 36 38.66	-00 47 33.1	7 809	1993 RD ₁₀	1993 09 19.26701	23 33 29.81	-00 16 14.6	7 809
1993 RV ₉	1993 09 14.28715	23 36 37.34	-00 47 35.0	7 809	1993 RE ₁₀	* 1993 09 14.24549	23 38 06.04	+00 30 23.3	18.5 7 809
1993 RV ₉	1993 09 19.22535	23 31 32.98	-00 54 36.3	7 809	1993 RE ₁₀	1993 09 14.26632	23 38 04.94	+00 30 09.0	7 809
1993 RV ₉	1993 09 19.24618	23 31 31.77	-00 54 38.6	7 809	1993 RE ₁₀	1993 09 14.28715	23 38 04.11	+00 29 57.2	7 809
1993 RV ₉	1993 09 19.26701	23 31 30.40	-00 54 40.8	7 809	1993 RE ₁₀	1993 09 19.22535	23 34 46.13	-00 17 03.1	7 809
1993 RW ₉	* 1993 09 14.24549	23 36 44.37	-01 59 15.7	18.5 7 809	1993 RE ₁₀	1993 09 19.24618	23 34 45.28	-00 17 13.9	7 809
1993 RW ₉	1993 09 14.26632	23 36 43.53	-01 59 30.6	7 809	1993 RE ₁₀	1993 09 19.26701	23 34 44.33	-00 17 27.4	7 809
1993 RW ₉	1993 09 14.28715	23 36 42.59	-01 59 45.8	7 809	1993 RF ₁₀	* 1993 09 14.24549	23 38 08.97	-02 15 32.9	18.5 7 809
1993 RW ₉	1993 09 19.22535	23 33 38.51	-02 56 48.4	7 809	1993 RF ₁₀	1993 09 14.26632	23 38 07.69	-02 15 40.5	7 809
1993 RW ₉	1993 09 19.24618	23 33 37.80	-02 57 01.9	7 809	1993 RF ₁₀	1993 09 14.28715	23 38 06.41	-02 15 45.8	7 809
1993 RW ₉	1993 09 19.26701	23 33 36.77	-02 57 19.1	7 809	1993 RF ₁₀	1993 09 19.22535	23 33 06.87	-02 36 53.9	7 809
1993 RX ₉	* 1993 09 14.24549	23 37 13.61	-00 02 24.8	18.5 7 809	1993 RF ₁₀	1993 09 19.24618	23 33 05.49	-02 36 59.8	7 809
1993 RX ₉	1993 09 14.26632	23 37 12.35	-00 02 27.2	7 809	1993 RF ₁₀	1993 09 19.26701	23 33 04.31	-02 37 04.6	7 809
1993 RX ₉	1993 09 14.28715	23 37 11.19	-00 02 27.6	7 809	1993 RG ₁₀	* 1993 09 14.24549	23 38 13.65	-02 22 45.0	18.7 7 809
1993 RX ₉	1993 09 19.22535	23 32 37.91	-00 05 50.4	7 809	1993 RG ₁₀	1993 09 14.26632	23 38 12.47	-02 22 49.7	7 809
1993 RX ₉	1993 09 19.24618	23 32 36.61	-00 05 53.1	7 809	1993 RG ₁₀	1993 09 14.28715	23 38 11.11	-02 22 52.9	7 809

1993 RG ₁₀	1993 09 19.22535	23 33 45.47	-02 38 25.2		7 809	1993 RQ ₁₀	1993 09 14.26632	23 39 53.94	-02 23 08.7		7 809
1993 RG ₁₀	1993 09 19.24618	23 33 44.37	-02 38 29.8		7 809	1993 RQ ₁₀	1993 09 14.28715	23 39 52.99	-02 23 16.9		7 809
1993 RG ₁₀	1993 09 19.26701	23 33 42.95	-02 38 33.0		7 809	1993 RQ ₁₀	1993 09 19.22535	23 36 28.21	-02 53 08.5		7 809
1993 RH ₁₀	* 1993 09 14.24549	23 38 35.71	-01 59 57.4	18.4	7 809	1993 RQ ₁₀	1993 09 19.24618	23 36 27.26	-02 53 16.0		7 809
1993 RH ₁₀	1993 09 14.26632	23 38 34.57	-02 00 04.5		7 809	1993 RQ ₁₀	1993 09 19.26701	23 36 26.33	-02 53 25.3		7 809
1993 RH ₁₀	1993 09 14.28715	23 38 33.39	-02 00 10.3		7 809	1993 RR ₁₀	* 1993 09 14.24549	23 40 04.74	-02 09 11.2	18.5	7 809
1993 RH ₁₀	1993 09 19.22535	23 34 36.52	-02 22 48.9		7 809	1993 RR ₁₀	1993 09 14.26632	23 40 03.58	-02 09 17.5		7 809
1993 RH ₁₀	1993 09 19.24618	23 34 35.36	-02 22 56.0		7 809	1993 RR ₁₀	1993 09 14.28715	23 40 02.44	-02 09 22.8		7 809
1993 RH ₁₀	1993 09 19.26701	23 34 34.31	-02 23 01.9		7 809	1993 RR ₁₀	1993 09 19.22535	23 35 52.78	-02 32 11.4		7 809
1993 RJ ₁₀	* 1993 09 14.24549	23 38 53.54	-02 45 41.9	18.3	7 809	1993 RR ₁₀	1993 09 19.24618	23 35 51.60	-02 32 16.6		7 809
1993 RJ ₁₀	1993 09 14.26632	23 38 52.60	-02 45 58.5		7 809	1993 RR ₁₀	1993 09 19.26701	23 35 50.53	-02 32 22.7		7 809
1993 RJ ₁₀	1993 09 14.28715	23 38 51.65	-02 46 15.8		7 809	1993 RS ₁₀	* 1993 09 14.24549	23 40 05.58	+01 07 05.5	18.5	7 809
1993 RJ ₁₀	1993 09 19.22535	23 35 27.38	-03 51 40.7		7 809	1993 RS ₁₀	1993 09 14.26632	23 40 04.37	+01 07 00.2		7 809
1993 RJ ₁₀	1993 09 19.24618	23 35 26.41	-03 51 57.2		7 809	1993 RS ₁₀	1993 09 14.28715	23 40 03.27	+01 06 54.6		7 809
1993 RJ ₁₀	1993 09 19.26701	23 35 25.31	-03 52 15.9		7 809	1993 RS ₁₀	1993 09 19.22535	23 35 51.62	+00 50 25.0		7 809
1993 RK ₁₀	* 1993 09 14.24549	23 39 07.88	-03 33 02.6	18.5	7 809	1993 RS ₁₀	1993 09 19.24618	23 35 50.34	+00 50 21.8		7 809
1993 RK ₁₀	1993 09 14.26632	23 39 06.58	-03 33 05.4		7 809	1993 RS ₁₀	1993 09 19.26701	23 35 49.09	+00 50 20.0		7 809
1993 RK ₁₀	1993 09 14.28715	23 39 05.30	-03 33 07.8		7 809	1993 RT ₁₀	* 1993 09 14.24549	23 40 06.09	-01 12 23.3	18.5	7 809
1993 RK ₁₀	1993 09 19.22535	23 34 25.25	-03 39 31.5		7 809	1993 RT ₁₀	1993 09 14.26632	23 40 05.09	-01 12 35.3		7 809
1993 RK ₁₀	1993 09 19.24618	23 34 23.88	-03 39 33.8		7 809	1993 RT ₁₀	1993 09 14.28715	23 40 04.08	-01 12 45.0		7 809
1993 RK ₁₀	1993 09 19.26701	23 34 22.70	-03 39 37.4		7 809	1993 RT ₁₀	1993 09 19.22535	23 36 19.28	-01 55 24.4		7 809
1993 RL ₁₀	* 1993 09 14.24549	23 39 24.51	+00 43 57.9	18.6	7 809	1993 RT ₁₀	1993 09 19.24618	23 36 18.23	-01 55 36.1		7 809
1993 RL ₁₀	1993 09 14.26632	23 39 23.37	+00 43 53.9		7 809	1993 RT ₁₀	1993 09 19.26701	23 36 17.28	-01 55 48.2		7 809
1993 RL ₁₀	1993 09 14.28715	23 39 22.16	+00 43 46.8		7 809	1993 RU ₁₀	* 1993 09 14.24549	23 40 12.61	-00 50 14.3	18.6	7 809
1993 RL ₁₀	1993 09 19.22535	23 35 04.13	+00 19 56.8		7 809	1993 RU ₁₀	1993 09 14.26632	23 40 11.56	-00 50 21.0		7 809
1993 RL ₁₀	1993 09 19.24618	23 35 03.06	+00 19 52.8		7 809	1993 RU ₁₀	1993 09 14.28715	23 40 10.49	-00 50 27.4		7 809
1993 RL ₁₀	1993 09 19.26701	23 35 01.89	+00 19 44.7		7 809	1993 RU ₁₀	1993 09 19.22535	23 36 23.32	-01 16 15.1		7 809
1993 RM ₁₀	* 1993 09 14.24549	23 39 33.95	+00 09 55.4	18.5	7 809	1993 RU ₁₀	1993 09 19.24618	23 36 22.43	-01 16 19.8		7 809
1993 RM ₁₀	1993 09 14.26632	23 39 32.79	+00 09 46.6		7 809	1993 RU ₁₀	1993 09 19.26701	23 36 21.45	-01 16 26.6		7 809
1993 RM ₁₀	1993 09 14.28715	23 39 31.72	+00 09 37.3		7 809	1993 RV ₁₀	* 1993 09 14.24549	23 40 18.35	-01 57 47.1	18.8	7 809
1993 RM ₁₀	1993 09 19.22535	23 35 26.51	-00 23 18.4		7 809	1993 RV ₁₀	1993 09 14.26632	23 40 17.24	-01 57 55.3		7 809
1993 RM ₁₀	1993 09 19.24618	23 35 25.48	-00 23 27.6		7 809	1993 RV ₁₀	1993 09 14.28715	23 40 16.31	-01 58 02.3		7 809
1993 RM ₁₀	1993 09 19.26701	23 35 24.43	-00 23 36.2		7 809	1993 RV ₁₀	1993 09 19.22535	23 36 25.19	-02 28 15.6		7 809
1993 RN ₁₀	* 1993 09 14.24549	23 39 37.83	-01 40 20.4	18.4	7 809	1993 RV ₁₀	1993 09 19.24618	23 36 24.18	-02 28 22.8		7 809
1993 RN ₁₀	1993 09 14.26632	23 39 36.71	-01 40 23.0		7 809	1993 RV ₁₀	1993 09 19.26701	23 36 23.24	-02 28 28.7		7 809
1993 RN ₁₀	1993 09 14.28715	23 39 35.59	-01 40 26.1		7 809	1993 RW ₁₀	* 1993 09 14.24549	23 40 45.02	-01 10 58.0	18.7	7 809
1993 RN ₁₀	1993 09 19.22535	23 35 21.56	-01 51 22.8		7 809	1993 RW ₁₀	1993 09 14.26632	23 40 43.81	-01 11 05.8		7 809
1993 RN ₁₀	1993 09 19.24618	23 35 20.46	-01 51 26.8		7 809	1993 RW ₁₀	1993 09 14.28715	23 40 42.73	-01 11 14.1		7 809
1993 RN ₁₀	1993 09 19.26701	23 35 19.38	-01 51 28.8		7 809	1993 RW ₁₀	1993 09 19.22535	23 36 13.69	-01 45 56.1		7 809
1993 RO ₁₀	* 1993 09 14.24549	23 39 40.93	-01 36 49.9	18.5	7 809	1993 RW ₁₀	1993 09 19.24618	23 36 12.72	-01 46 05.3		7 809
1993 RO ₁₀	1993 09 14.26632	23 39 39.84	-01 36 55.8		7 809	1993 RW ₁₀	1993 09 19.26701	23 36 11.48	-01 46 15.5		7 809
1993 RO ₁₀	1993 09 14.28715	23 39 38.79	-01 37 00.6		7 809	1993 RX ₁₀	* 1993 09 14.24549	23 40 57.95	-00 47 14.9	18.5	7 809
1993 RO ₁₀	1993 09 19.22535	23 35 41.38	-01 59 31.6		7 809	1993 RX ₁₀	1993 09 14.26632	23 40 56.90	-00 47 21.1		7 809
1993 RO ₁₀	1993 09 19.24618	23 35 40.33	-01 59 38.7		7 809	1993 RX ₁₀	1993 09 14.28715	23 40 55.83	-00 47 27.8		7 809
1993 RO ₁₀	1993 09 19.26701	23 35 39.30	-01 59 43.7		7 809	1993 RX ₁₀	1993 09 19.22535	23 37 03.85	-01 11 04.3		7 809
1993 RP ₁₀	* 1993 09 14.24549	23 39 49.33	+00 08 54.4	18.6	7 809	1993 RX ₁₀	1993 09 19.24618	23 37 02.82	-01 11 10.8		7 809
1993 RP ₁₀	1993 09 14.26632	23 39 48.03	+00 08 46.8		7 809	1993 RX ₁₀	1993 09 19.26701	23 37 01.87	-01 11 17.9		7 809
1993 RP ₁₀	1993 09 14.28715	23 39 46.73	+00 08 40.8		7 809	1993 RY ₁₀	* 1993 09 14.24549	23 41 12.18	+01 14 39.9	18.7	7 809
1993 RP ₁₀	1993 09 19.22535	23 35 04.25	-00 17 54.0		7 809	1993 RY ₁₀	1993 09 14.26632	23 41 10.97	+01 14 32.1		7 809
1993 RP ₁₀	1993 09 19.24618	23 35 03.06	-00 17 58.0		7 809	1993 RY ₁₀	1993 09 14.28715	23 41 09.92	+01 14 23.5		7 809
1993 RP ₁₀	1993 09 19.26701	23 35 02.06	-00 18 04.4		7 809	1993 RY ₁₀	1993 09 19.22535	23 36 57.92	+00 42 06.8		7 809
1993 RQ ₁₀	* 1993 09 14.24549	23 39 54.83	-02 23 00.4	18.4	7 809	1993 RY ₁₀	1993 09 19.24618	23 36 56.70	+00 41 57.5		7 809

1993 RY ₁₀	1993 09 19.26701	23 36 55.61	+00 41 49.4		7 809	1993 RH ₁₁	1993 09 19.22535	23 38 30.97	-02 03 20.1		7 809
1993 RZ ₁₀	* 1993 09 14.24549	23 41 39.09	+01 29 00.7	18.5	7 809	1993 RH ₁₁	1993 09 19.24618	23 38 29.90	-02 03 30.9		7 809
1993 RZ ₁₀	1993 09 14.26632	23 41 37.70	+01 28 56.0		7 809	1993 RH ₁₁	1993 09 19.26701	23 38 28.80	-02 03 40.4		7 809
1993 RZ ₁₀	1993 09 14.28715	23 41 36.37	+01 28 53.4		7 809	1993 RJ ₁₁	* 1993 09 14.24549	23 42 49.35	-03 14 32.9	18.1	7 809
1993 RZ ₁₀	1993 09 19.22535	23 36 42.40	+01 16 38.5		7 809	1993 RJ ₁₁	1993 09 14.26632	23 42 48.07	-03 14 40.6		7 809
1993 RZ ₁₀	1993 09 19.24618	23 36 41.22	+01 16 35.8		7 809	1993 RJ ₁₁	1993 09 14.28715	23 42 46.80	-03 14 46.9		7 809
1993 RZ ₁₀	1993 09 19.26701	23 36 39.94	+01 16 32.8		7 809	1993 RJ ₁₁	1993 09 19.22535	23 38 18.30	-03 41 57.9		7 809
1993 RA ₁₁	* 1993 09 14.24549	23 41 55.00	-02 51 37.6	18.3	7 809	1993 RJ ₁₁	1993 09 19.24618	23 38 17.04	-03 42 05.1		7 809
1993 RA ₁₁	1993 09 14.26632	23 41 53.37	-02 51 32.1		7 809	1993 RJ ₁₁	1993 09 19.26701	23 38 15.83	-03 42 11.3		7 809
1993 RA ₁₁	1993 09 14.28715	23 41 51.73	-02 51 26.9		7 809	1993 RK ₁₁	* 1993 09 14.24549	23 42 51.48	+01 20 44.9	18.6	7 809
1993 RA ₁₁	1993 09 19.22535	23 35 50.30	-02 28 53.2		7 809	1993 RK ₁₁	1993 09 14.26632	23 42 50.68	+01 20 40.0		7 809
1993 RA ₁₁	1993 09 19.24618	23 35 48.57	-02 28 45.4		7 809	1993 RK ₁₁	1993 09 14.28715	23 42 49.68	+01 20 31.5		7 809
1993 RA ₁₁	1993 09 19.26701	23 35 46.99	-02 28 41.2		7 809	1993 RK ₁₁	1993 09 19.22535	23 39 24.95	+00 47 13.1		7 809
1993 RB ₁₁	* 1993 09 14.24549	23 42 01.57	-00 35 50.4	18.4	7 809	1993 RK ₁₁	1993 09 19.24618	23 39 24.02	+00 47 04.7		7 809
1993 RB ₁₁	1993 09 14.26632	23 42 00.58	-00 36 02.0		7 809	1993 RK ₁₁	1993 09 19.26701	23 39 23.14	+00 46 57.4		7 809
1993 RB ₁₁	1993 09 14.28715	23 41 59.61	-00 36 13.4		7 809	1993 RL ₁₁	* 1993 09 14.24549	23 42 54.66	+00 50 42.3	18.7	7 809
1993 RB ₁₁	1993 09 19.22535	23 38 26.55	-01 21 32.4		7 809	1993 RL ₁₁	1993 09 14.26632	23 42 53.60	+00 50 35.2		7 809
1993 RB ₁₁	1993 09 19.24618	23 38 25.61	-01 21 44.9		7 809	1993 RL ₁₁	1993 09 14.28715	23 42 52.72	+00 50 29.5		7 809
1993 RB ₁₁	1993 09 19.26701	23 38 24.59	-01 21 56.6		7 809	1993 RL ₁₁	1993 09 19.22535	23 39 24.48	+00 26 11.4		7 809
1993 RC ₁₁	* 1993 09 14.24549	23 42 06.63	-00 59 55.2	18.6	7 809	1993 RL ₁₁	1993 09 19.24618	23 39 23.69	+00 26 06.3		7 809
1993 RC ₁₁	1993 09 14.26632	23 42 05.58	-01 00 01.1		7 809	1993 RL ₁₁	1993 09 19.26701	23 39 22.71	+00 25 59.7		7 809
1993 RC ₁₁	1993 09 14.28715	23 42 04.54	-01 00 08.0		7 809	1993 RM ₁₁	* 1993 09 14.24549	23 42 55.08	-01 47 30.8	18.2	7 809
1993 RC ₁₁	1993 09 19.22535	23 38 22.41	-01 25 10.2		7 809	1993 RM ₁₁	1993 09 14.26632	23 42 53.48	-01 47 27.7		7 809
1993 RC ₁₁	1993 09 19.24618	23 38 21.40	-01 25 16.9		7 809	1993 RM ₁₁	1993 09 14.28715	23 42 51.93	-01 47 23.3		7 809
1993 RC ₁₁	1993 09 19.26701	23 38 20.29	-01 25 22.4		7 809	1993 RM ₁₁	1993 09 19.22535	23 37 05.04	-01 32 57.9		7 809
1993 RD ₁₁	* 1993 09 14.24549	23 42 10.98	-00 18 26.7	18.6	7 809	1993 RM ₁₁	1993 09 19.24618	23 37 03.77	-01 32 54.1		7 809
1993 RD ₁₁	1993 09 14.26632	23 42 09.75	-00 18 31.4		7 809	1993 RM ₁₁	1993 09 19.26701	23 37 02.22	-01 32 51.0		7 809
1993 RD ₁₁	1993 09 14.28715	23 42 08.66	-00 18 38.1		7 809	1993 RN ₁₁	* 1993 09 14.24549	23 42 57.26	-01 01 09.0	18.4	7 809
1993 RD ₁₁	1993 09 19.22535	23 37 37.89	-00 39 24.4		7 809	1993 RN ₁₁	1993 09 14.26632	23 42 56.10	-01 01 15.3		7 809
1993 RD ₁₁	1993 09 19.24618	23 37 36.58	-00 39 29.6		7 809	1993 RN ₁₁	1993 09 14.28715	23 42 54.96	-01 01 21.8		7 809
1993 RD ₁₁	1993 09 19.26701	23 37 35.35	-00 39 34.5		7 809	1993 RN ₁₁	1993 09 19.22535	23 38 51.99	-01 25 54.7		7 809
1993 RE ₁₁	* 1993 09 14.24549	23 42 15.07	+01 06 11.9	18.4	7 809	1993 RN ₁₁	1993 09 19.24618	23 38 50.79	-01 26 01.7		7 809
1993 RE ₁₁	1993 09 14.26632	23 42 13.61	+01 06 04.3		7 809	1993 RN ₁₁	1993 09 19.26701	23 38 49.85	-01 26 08.8		7 809
1993 RE ₁₁	1993 09 14.28715	23 42 12.44	+01 05 58.4		7 809	1993 RO ₁₁	* 1993 09 14.24549	23 43 00.48	-01 08 42.4	18.5	7 809
1993 RE ₁₁	1993 09 19.22535	23 37 41.55	+00 38 38.2		7 809	1993 RO ₁₁	1993 09 14.26632	23 42 59.24	-01 08 58.9		7 809
1993 RE ₁₁	1993 09 19.24618	23 37 40.30	+00 38 30.4		7 809	1993 RO ₁₁	1993 09 14.28715	23 42 58.24	-01 09 11.6		7 809
1993 RE ₁₁	1993 09 19.26701	23 37 39.15	+00 38 22.9		7 809	1993 RO ₁₁	1993 09 19.22535	23 39 02.67	-02 07 26.5		7 809
1993 RF ₁₁	* 1993 09 14.24549	23 42 34.87	-01 38 47.2	18.6	7 809	1993 RO ₁₁	1993 09 19.24618	23 39 01.54	-02 07 41.3		7 809
1993 RF ₁₁	1993 09 14.26632	23 42 33.65	-01 38 58.2		7 809	1993 RO ₁₁	1993 09 19.26701	23 39 00.45	-02 07 57.3		7 809
1993 RF ₁₁	1993 09 14.28715	23 42 32.63	-01 39 08.1		7 809	1993 RP ₁₁	* 1993 09 14.24549	23 43 03.00	+00 09 09.3	18.6	7 809
1993 RF ₁₁	1993 09 19.22535	23 38 25.38	-02 22 58.9		7 809	1993 RP ₁₁	1993 09 14.26632	23 43 01.79	+00 09 00.2		7 809
1993 RF ₁₁	1993 09 19.24618	23 38 24.42	-02 23 08.6		7 809	1993 RP ₁₁	1993 09 14.28715	23 43 00.65	+00 08 54.3		7 809
1993 RF ₁₁	1993 09 19.26701	23 38 23.21	-02 23 20.3		7 809	1993 RP ₁₁	1993 09 19.22535	23 38 52.09	-00 19 36.3		7 809
1993 RG ₁₁	* 1993 09 14.24549	23 42 37.16	-00 13 22.1	18.4	7 809	1993 RP ₁₁	1993 09 19.24618	23 38 50.79	-00 19 48.3		7 809
1993 RG ₁₁	1993 09 14.26632	23 42 36.10	-00 13 28.6		7 809	1993 RP ₁₁	1993 09 19.26701	23 38 49.79	-00 19 55.4		7 809
1993 RG ₁₁	1993 09 14.28715	23 42 35.01	-00 13 34.3		7 809	1993 RQ ₁₁	* 1993 09 14.24549	23 43 19.81	+01 22 27.6	18.7	7 809
1993 RG ₁₁	1993 09 19.22535	23 38 41.93	-00 38 12.8		7 809	1993 RQ ₁₁	1993 09 14.26632	23 43 18.75	+01 22 17.4		7 809
1993 RG ₁₁	1993 09 19.24618	23 38 40.88	-00 38 20.3		7 809	1993 RQ ₁₁	1993 09 14.28715	23 43 17.73	+01 22 09.2		7 809
1993 RG ₁₁	1993 09 19.26701	23 38 39.77	-00 38 25.9		7 809	1993 RQ ₁₁	1993 09 19.22535	23 39 27.29	+00 47 41.1		7 809
1993 RH ₁₁	* 1993 09 14.24549	23 42 45.96	-01 21 34.3	18.6	7 809	1993 RQ ₁₁	1993 09 19.24618	23 39 26.32	+00 47 32.9		7 809
1993 RH ₁₁	1993 09 14.26632	23 42 44.82	-01 21 45.1		7 809	1993 RQ ₁₁	1993 09 19.26701	23 39 25.12	+00 47 24.2		7 809
1993 RH ₁₁	1993 09 14.28715	23 42 43.61	-01 21 55.4		7 809	1993 RR ₁₁	* 1993 09 14.24549	23 43 28.94	-01 46 05.5	18.5	7 809

1993 RR ₁₁	1993 09 14.26632	23 43 27.71	-01 46 14.0	7 809	1993 RZ ₁₁	1993 09 19.26701	23 40 53.28	-01 48 43.2	7 809
1993 RR ₁₁	1993 09 14.28715	23 43 26.46	-01 46 23.3	7 809	1993 RA ₁₂	* 1993 09 14.24549	23 44 49.68	-03 00 40.1	18.4 7 809
1993 RR ₁₁	1993 09 19.22535	23 38 55.03	-02 21 21.2	7 809	1993 RA ₁₂	1993 09 14.26632	23 44 48.61	-03 00 47.9	7 809
1993 RR ₁₁	1993 09 19.24618	23 38 53.81	-02 21 30.5	7 809	1993 RA ₁₂	1993 09 14.28715	23 44 47.55	-03 00 55.0	7 809
1993 RR ₁₁	1993 09 19.26701	23 38 52.67	-02 21 39.3	7 809	1993 RA ₁₂	1993 09 19.22535	23 40 57.87	-03 29 55.8	7 809
1993 RS ₁₁	* 1993 09 14.24549	23 43 30.59	-01 42 00.5	18.7 7 809	1993 RA ₁₂	1993 09 19.24618	23 40 56.84	-03 30 03.5	7 809
1993 RS ₁₁	1993 09 14.26632	23 43 29.50	-01 42 03.3	7 809	1993 RA ₁₂	1993 09 19.26701	23 40 55.75	-03 30 11.1	7 809
1993 RS ₁₁	1993 09 14.28715	23 43 28.45	-01 42 07.2	7 809	1993 RB ₁₂	* 1993 09 14.24549	23 44 51.47	+00 06 05.3	18.5 7 809
1993 RS ₁₁	1993 09 19.22535	23 39 23.27	-01 52 52.6	7 809	1993 RB ₁₂	1993 09 14.26632	23 44 50.49	+00 06 00.9	7 809
1993 RS ₁₁	1993 09 19.24618	23 39 22.20	-01 52 55.9	7 809	1993 RB ₁₂	1993 09 14.28715	23 44 49.38	+00 05 57.0	7 809
1993 RS ₁₁	1993 09 19.26701	23 39 20.96	-01 52 59.8	7 809	1993 RB ₁₂	1993 09 19.22535	23 40 56.20	-00 10 40.6	7 809
1993 RT ₁₁	* 1993 09 14.24549	23 43 55.63	-02 07 39.9	18.4 7 809	1993 RB ₁₂	1993 09 19.24618	23 40 55.08	-00 10 44.7	7 809
1993 RT ₁₁	1993 09 14.26632	23 43 54.29	-02 07 46.3	7 809	1993 RB ₁₂	1993 09 19.26701	23 40 54.10	-00 10 49.0	7 809
1993 RT ₁₁	1993 09 14.28715	23 43 53.05	-02 07 50.3	7 809	1993 RC ₁₂	* 1993 09 14.24549	23 44 54.12	-01 40 46.1	18.6 7 809
1993 RT ₁₁	1993 09 19.22535	23 39 16.65	-02 28 35.3	7 809	1993 RC ₁₂	1993 09 14.26632	23 44 53.15	-01 40 53.5	7 809
1993 RT ₁₁	1993 09 19.24618	23 39 15.37	-02 28 41.1	7 809	1993 RC ₁₂	1993 09 14.28715	23 44 52.29	-01 41 00.7	7 809
1993 RT ₁₁	1993 09 19.26701	23 39 14.19	-02 28 46.3	7 809	1993 RC ₁₂	1993 09 19.22535	23 41 30.79	-02 09 06.9	7 809
1993 RU ₁₁	* 1993 09 14.24549	23 44 08.05	-03 01 38.3	18.6 7 809	1993 RC ₁₂	1993 09 19.24618	23 41 29.88	-02 09 14.3	7 809
1993 RU ₁₁	1993 09 14.26632	23 44 07.08	-03 01 46.2	7 809	1993 RC ₁₂	1993 09 19.26701	23 41 29.06	-02 09 19.5	7 809
1993 RU ₁₁	1993 09 14.28715	23 44 05.98	-03 01 55.9	7 809	1993 RD ₁₂	* 1993 09 14.24549	23 45 04.00	+01 03 18.3	18.8 7 809
1993 RU ₁₁	1993 09 19.22535	23 40 17.51	-03 34 56.1	7 809	1993 RD ₁₂	1993 09 14.26632	23 45 02.60	+01 03 13.1	7 809
1993 RU ₁₁	1993 09 19.24618	23 40 16.38	-03 35 02.0	7 809	1993 RD ₁₂	1993 09 14.28715	23 45 01.44	+01 03 07.2	7 809
1993 RU ₁₁	1993 09 19.26701	23 40 15.28	-03 35 11.3	7 809	1993 RD ₁₂	1993 09 19.22535	23 40 33.29	+00 43 05.0	7 809
1993 RV ₁₁	* 1993 09 14.24549	23 44 09.12	-03 04 22.9	18.5 7 809	1993 RD ₁₂	1993 09 19.24618	23 40 32.22	+00 43 00.8	7 809
1993 RV ₁₁	1993 09 14.26632	23 44 08.21	-03 04 30.6	7 809	1993 RD ₁₂	1993 09 19.26701	23 40 31.00	+00 42 54.2	7 809
1993 RV ₁₁	1993 09 14.28715	23 44 07.23	-03 04 38.5	7 809	1993 RE ₁₂	* 1993 09 14.24549	23 45 09.03	-01 46 42.8	18.4 7 809
1993 RV ₁₁	1993 09 19.22535	23 40 42.97	-03 33 22.8	7 809	1993 RE ₁₂	1993 09 14.26632	23 45 08.24	-01 47 03.0	7 809
1993 RV ₁₁	1993 09 19.24618	23 40 42.00	-03 33 31.2	7 809	1993 RE ₁₂	1993 09 14.28715	23 45 07.48	-01 47 23.0	7 809
1993 RV ₁₁	1993 09 19.26701	23 40 41.04	-03 33 38.2	7 809	1993 RE ₁₂	1993 09 19.22535	23 42 33.04	-03 04 21.2	7 809
1993 RW ₁₁	* 1993 09 14.24549	23 44 41.03	+00 57 01.5	18.2 7 809	1993 RE ₁₂	1993 09 19.24618	23 42 32.31	-03 04 41.9	7 809
1993 RW ₁₁	1993 09 14.26632	23 44 39.83	+00 56 54.1	7 809	1993 RE ₁₂	1993 09 19.26701	23 42 31.60	-03 05 01.0	7 809
1993 RW ₁₁	1993 09 14.28715	23 44 38.63	+00 56 48.7	7 809	1993 RF ₁₂	* 1993 09 14.24549	23 45 14.49	+01 22 03.4	18.5 7 809
1993 RW ₁₁	1993 09 19.22535	23 40 20.23	+00 31 16.7	7 809	1993 RF ₁₂	1993 09 14.26632	23 45 13.33	+01 21 57.3	7 809
1993 RW ₁₁	1993 09 19.24618	23 40 19.08	+00 31 10.8	7 809	1993 RF ₁₂	1993 09 14.28715	23 45 12.26	+01 21 51.0	7 809
1993 RW ₁₁	1993 09 19.26701	23 40 17.88	+00 31 03.3	7 809	1993 RF ₁₂	1993 09 19.22535	23 41 22.59	+00 56 03.7	7 809
1993 RX ₁₁	* 1993 09 14.24549	23 44 44.26	+00 02 24.8	18.4 7 809	1993 RF ₁₂	1993 09 19.24618	23 41 21.54	+00 55 56.7	7 809
1993 RX ₁₁	1993 09 14.26632	23 44 43.27	+00 02 11.7	7 809	1993 RF ₁₂	1993 09 19.26701	23 41 20.46	+00 55 49.6	7 809
1993 RX ₁₁	1993 09 14.28715	23 44 42.40	+00 01 57.6	7 809	1993 RG ₁₂	* 1993 09 14.24549	23 45 28.72	+00 01 54.7	18.3 7 809
1993 RX ₁₁	1993 09 19.22535	23 41 27.27	-00 53 46.5	7 809	1993 RG ₁₂	1993 09 14.26632	23 45 27.59	+00 01 43.1	7 809
1993 RX ₁₁	1993 09 19.24618	23 41 26.42	-00 54 01.2	7 809	1993 RG ₁₂	1993 09 14.28715	23 45 26.65	+00 01 32.1	7 809
1993 RX ₁₁	1993 09 19.26701	23 41 25.54	-00 54 14.3	7 809	1993 RG ₁₂	1993 09 19.22535	23 41 44.68	-00 41 10.7	7 809
1993 RY ₁₁	* 1993 09 14.24549	23 44 44.39	-00 19 08.8	18.2 7 809	1993 RG ₁₂	1993 09 19.24618	23 41 43.73	-00 41 22.2	7 809
1993 RY ₁₁	1993 09 14.26632	23 44 43.39	-00 19 15.3	7 809	1993 RG ₁₂	1993 09 19.26701	23 41 42.64	-00 41 32.7	7 809
1993 RY ₁₁	1993 09 14.28715	23 44 42.38	-00 19 21.9	7 809	1993 RH ₁₂	* 1993 09 14.24549	23 45 30.67	-01 28 28.2	18.3 7 809
1993 RY ₁₁	1993 09 19.22535	23 40 53.88	-00 45 34.7	7 809	1993 RH ₁₂	1993 09 14.26632	23 45 29.56	-01 28 35.6	7 809
1993 RY ₁₁	1993 09 19.24618	23 40 52.88	-00 45 41.7	7 809	1993 RH ₁₂	1993 09 14.28715	23 45 28.51	-01 28 43.4	7 809
1993 RY ₁₁	1993 09 19.26701	23 40 51.83	-00 45 48.5	7 809	1993 RH ₁₂	1993 09 19.22535	23 41 37.85	-01 56 50.6	7 809
1993 RZ ₁₁	* 1993 09 14.24549	23 44 45.80	-01 27 42.1	19.0 7 809	1993 RH ₁₂	1993 09 19.24618	23 41 36.86	-01 56 58.9	7 809
1993 RZ ₁₁	1993 09 14.26632	23 44 44.72	-01 27 47.4	7 809	1993 RH ₁₂	1993 09 19.26701	23 41 35.76	-01 57 05.1	7 809
1993 RZ ₁₁	1993 09 14.28715	23 44 43.84	-01 27 51.4	7 809	1993 RJ ₁₂	* 1993 09 14.24549	23 45 39.30	+01 22 12.4	18.3 7 809
1993 RZ ₁₁	1993 09 19.22535	23 40 55.44	-01 48 33.3	7 809	1993 RJ ₁₂	1993 09 14.26632	23 45 38.43	+01 22 01.9	7 809
1993 RZ ₁₁	1993 09 19.24618	23 40 54.28	-01 48 39.3	7 809	1993 RJ ₁₂	1993 09 14.28715	23 45 37.45	+01 21 49.9	7 809

1993 RJ ₁₂	1993 09 19.22535	23 42 14.81	+00 34 56.2	7 809	1993 RS ₁₂	1993 09 14.28715	23 46 17.54	-01 04 29.4	7 809
1993 RJ ₁₂	1993 09 19.24618	23 42 13.92	+00 34 43.4	7 809	1993 RS ₁₂	1993 09 19.22535	23 41 35.24	-01 01 56.2	7 809
1993 RJ ₁₂	1993 09 19.26701	23 42 12.99	+00 34 31.4	7 809	1993 RS ₁₂	1993 09 19.24618	23 41 33.82	-01 01 55.9	7 809
1993 RK ₁₂	* 1993 09 14.24549	23 46 00.34	-00 38 20.5	19.0 7 809	1993 RS ₁₂	1993 09 19.26701	23 41 32.52	-01 01 56.4	7 809
1993 RK ₁₂	1993 09 14.26632	23 45 59.27	-00 38 27.3	7 809	1993 RT ₁₂	* 1993 09 14.24549	23 46 23.11	-01 00 33.6	18.5 7 809
1993 RK ₁₂	1993 09 14.28715	23 45 58.34	-00 38 34.3	7 809	1993 RT ₁₂	1993 09 14.26632	23 46 21.81	-01 00 38.6	7 809
1993 RK ₁₂	1993 09 19.22535	23 42 23.57	-01 07 57.5	7 809	1993 RT ₁₂	1993 09 14.28715	23 46 20.66	-01 00 42.9	7 809
1993 RK ₁₂	1993 09 19.24618	23 42 22.62	-01 08 04.7	7 809	1993 RT ₁₂	1993 09 19.22535	23 41 50.21	-01 18 16.4	7 809
1993 RK ₁₂	1993 09 19.26701	23 42 21.59	-01 08 12.6	7 809	1993 RT ₁₂	1993 09 19.24618	23 41 48.93	-01 18 21.0	7 809
1993 RL ₁₂	* 1993 09 14.24549	23 46 05.48	+00 12 47.8	18.4 7 809	1993 RT ₁₂	1993 09 19.26701	23 41 47.71	-01 18 25.9	7 809
1993 RL ₁₂	1993 09 14.26632	23 46 04.48	+00 12 30.4	7 809	1993 RU ₁₂	* 1993 09 14.24549	23 46 29.55	-01 08 10.2	18.6 7 809
1993 RL ₁₂	1993 09 14.28715	23 46 03.54	+00 12 17.0	7 809	1993 RU ₁₂	1993 09 14.26632	23 46 28.41	-01 08 16.1	7 809
1993 RL ₁₂	1993 09 19.22535	23 42 37.09	-00 48 46.6	7 809	1993 RU ₁₂	1993 09 14.28715	23 46 27.32	-01 08 22.0	7 809
1993 RL ₁₂	1993 09 19.24618	23 42 35.84	-00 49 03.5	7 809	1993 RU ₁₂	1993 09 19.22535	23 42 30.53	-01 31 34.2	7 809
1993 RL ₁₂	1993 09 19.26701	23 42 34.81	-00 49 19.6	7 809	1993 RU ₁₂	1993 09 19.24618	23 42 29.39	-01 31 40.5	7 809
1993 RM ₁₂	* 1993 09 14.24549	23 46 07.89	-03 19 57.0	18.4 7 809	1993 RU ₁₂	1993 09 19.26701	23 42 28.42	-01 31 47.2	7 809
1993 RM ₁₂	1993 09 14.26632	23 46 06.79	-03 20 00.8	7 809	1993 RV ₁₂	* 1993 09 14.24549	23 46 30.28	+01 05 38.4	18.4 7 809
1993 RM ₁₂	1993 09 14.28715	23 46 05.68	-03 20 04.3	7 809	1993 RV ₁₂	1993 09 14.26632	23 46 29.15	+01 05 26.7	7 809
1993 RM ₁₂	1993 09 19.22535	23 42 01.80	-03 35 16.5	7 809	1993 RV ₁₂	1993 09 14.28715	23 46 28.11	+01 05 17.2	7 809
1993 RM ₁₂	1993 09 19.24618	23 42 00.65	-03 35 20.6	7 809	1993 RV ₁₂	1993 09 19.22535	23 42 30.42	+00 22 12.5	7 809
1993 RM ₁₂	1993 09 19.26701	23 41 59.54	-03 35 24.1	7 809	1993 RV ₁₂	1993 09 19.24618	23 42 29.44	+00 21 59.6	7 809
1993 RN ₁₂	* 1993 09 14.24549	23 46 09.79	-02 26 05.9	18.6 7 809	1993 RV ₁₂	1993 09 19.26701	23 42 28.36	+00 21 49.6	7 809
1993 RN ₁₂	1993 09 14.26632	23 46 08.83	-02 26 11.9	7 809	1993 RW ₁₂	* 1993 09 14.24549	23 46 37.55	-02 06 03.7	18.3 7 809
1993 RN ₁₂	1993 09 14.28715	23 46 07.69	-02 26 20.9	7 809	1993 RW ₁₂	1993 09 14.26632	23 46 36.56	-02 06 16.2	7 809
1993 RN ₁₂	1993 09 19.22535	23 42 26.19	-02 54 44.3	7 809	1993 RW ₁₂	1993 09 14.28715	23 46 35.51	-02 06 27.2	7 809
1993 RN ₁₂	1993 09 19.24618	23 42 25.05	-02 54 52.1	7 809	1993 RW ₁₂	1993 09 19.22535	23 42 59.86	-02 54 40.5	7 809
1993 RN ₁₂	1993 09 19.26701	23 42 23.91	-02 55 01.6	7 809	1993 RW ₁₂	1993 09 19.24618	23 42 58.86	-02 54 53.1	7 809
1993 RO ₁₂	* 1993 09 14.24549	23 46 13.81	-02 45 11.7	18.7 7 809	1993 RW ₁₂	1993 09 19.26701	23 42 57.84	-02 55 05.3	7 809
1993 RO ₁₂	1993 09 14.26632	23 46 12.63	-02 45 18.6	7 809	1993 RX ₁₂	* 1993 09 14.24549	23 46 41.49	+00 46 00.2	18.8 7 809
1993 RO ₁₂	1993 09 14.28715	23 46 11.44	-02 45 25.7	7 809	1993 RX ₁₂	1993 09 14.26632	23 46 40.02	+00 46 00.6	7 809
1993 RO ₁₂	1993 09 19.22535	23 42 04.73	-03 13 03.9	7 809	1993 RX ₁₂	1993 09 14.28715	23 46 38.51	+00 46 01.7	7 809
1993 RO ₁₂	1993 09 19.24618	23 42 03.68	-03 13 10.6	7 809	1993 RX ₁₂	1993 09 19.22535	23 41 36.72	+00 51 31.0	7 809
1993 RO ₁₂	1993 09 19.26701	23 42 02.48	-03 13 19.9	7 809	1993 RX ₁₂	1993 09 19.24618	23 41 35.58	+00 51 32.8	7 809
1993 RP ₁₂	* 1993 09 14.24549	23 46 17.25	-02 38 20.4	18.3 7 809	1993 RX ₁₂	1993 09 19.26701	23 41 34.15	+00 51 34.1	7 809
1993 RP ₁₂	1993 09 14.26632	23 46 16.04	-02 38 28.7	7 809	1993 RY ₁₂	* 1993 09 14.24549	23 47 01.75	-00 07 24.5	18.3 7 809
1993 RP ₁₂	1993 09 14.28715	23 46 14.81	-02 38 37.4	7 809	1993 RY ₁₂	1993 09 14.26632	23 47 00.86	-00 07 37.0	7 809
1993 RP ₁₂	1993 09 19.24618	23 42 00.62	-03 11 41.4	7 809	1993 RY ₁₂	1993 09 14.28715	23 46 59.93	-00 07 49.2	7 809
1993 RP ₁₂	1993 09 19.26701	23 41 59.41	-03 11 50.7	7 809	1993 RY ₁₂	1993 09 19.22535	23 43 45.65	-00 55 03.2	7 809
1993 RQ ₁₂	* 1993 09 14.24549	23 46 18.04	+00 30 48.9	18.3 7 809	1993 RY ₁₂	1993 09 19.24618	23 43 44.66	-00 55 15.1	7 809
1993 RQ ₁₂	1993 09 14.26632	23 46 16.95	+00 30 42.0	7 809	1993 RY ₁₂	1993 09 19.26701	23 43 43.98	-00 55 25.0	7 809
1993 RQ ₁₂	1993 09 14.28715	23 46 15.92	+00 30 37.4	7 809	1993 RZ ₁₂	* 1993 09 14.24549	23 47 01.78	-03 15 03.0	18.3 7 809
1993 RQ ₁₂	1993 09 19.22535	23 42 25.64	+00 05 55.1	7 809	1993 RZ ₁₂	1993 09 14.26632	23 47 00.40	-03 15 05.4	7 809
1993 RQ ₁₂	1993 09 19.24618	23 42 24.71	+00 05 49.3	7 809	1993 RZ ₁₂	1993 09 14.28715	23 46 58.99	-03 15 07.8	7 809
1993 RQ ₁₂	1993 09 19.26701	23 42 23.85	+00 05 43.9	7 809	1993 RZ ₁₂	1993 09 19.22535	23 42 11.17	-03 24 02.2	7 809
1993 RR ₁₂	* 1993 09 14.24549	23 46 18.61	-03 17 40.6	18.5 7 809	1993 RZ ₁₂	1993 09 19.24618	23 42 09.82	-03 24 04.9	7 809
1993 RR ₁₂	1993 09 14.26632	23 46 17.30	-03 17 41.8	7 809	1993 RZ ₁₂	1993 09 19.26701	23 42 08.43	-03 24 06.3	7 809
1993 RR ₁₂	1993 09 14.28715	23 46 16.01	-03 17 43.9	7 809	1993 RA ₁₃	* 1993 09 14.24549	23 47 16.60	-00 32 33.3	18.4 7 809
1993 RR ₁₂	1993 09 19.22535	23 41 10.23	-03 25 12.1	7 809	1993 RA ₁₃	1993 09 14.26632	23 47 15.47	-00 32 42.5	7 809
1993 RR ₁₂	1993 09 19.24618	23 41 08.79	-03 25 14.4	7 809	1993 RA ₁₃	1993 09 14.28715	23 47 14.54	-00 32 50.5	7 809
1993 RR ₁₂	1993 09 19.26701	23 41 07.54	-03 25 16.6	7 809	1993 RA ₁₃	1993 09 19.22535	23 43 33.56	-01 06 05.0	7 809
1993 RS ₁₂	* 1993 09 14.24549	23 46 20.13	-01 04 31.6	18.5 7 809	1993 RA ₁₃	1993 09 19.24618	23 43 32.70	-01 06 14.1	7 809
1993 RS ₁₂	1993 09 14.26632	23 46 18.74	-01 04 30.6	7 809	1993 RA ₁₃	1993 09 19.26701	23 43 31.70	-01 06 21.9	7 809

1993 RB ₁₃	* 1993 09 14.24549	23 47 24.39	+01 00 58.7	18.3	7 809	1993 RK ₁₃	1993 09 19.24618	23 44 16.07	-00 46 24.1	7 809
1993 RB ₁₃	1993 09 14.26632	23 47 23.16	+01 00 51.9		7 809	1993 RK ₁₃	1993 09 19.26701	23 44 15.13	-00 46 34.6	7 809
1993 RB ₁₃	1993 09 14.28715	23 47 22.08	+01 00 45.1		7 809	1993 RL ₁₃	* 1993 09 14.24549	23 48 32.53	+00 10 59.6	18.6 7 809
1993 RB ₁₃	1993 09 19.22535	23 43 17.84	+00 32 25.0		7 809	1993 RL ₁₃	1993 09 14.26632	23 48 31.43	+00 10 52.3	7 809
1993 RB ₁₃	1993 09 19.24618	23 43 16.66	+00 32 16.1		7 809	1993 RL ₁₃	1993 09 14.28715	23 48 30.43	+00 10 44.5	7 809
1993 RB ₁₃	1993 09 19.26701	23 43 15.58	+00 32 10.1		7 809	1993 RL ₁₃	1993 09 19.22535	23 44 42.84	-00 20 12.3	7 809
1993 RC ₁₃	* 1993 09 14.24549	23 47 25.10	-02 27 56.4	18.4	7 809	1993 RL ₁₃	1993 09 19.24618	23 44 41.75	-00 20 21.3	7 809
1993 RC ₁₃	1993 09 14.26632	23 47 23.66	-02 27 54.7		7 809	1993 RL ₁₃	1993 09 19.26701	23 44 40.97	-00 20 28.4	7 809
1993 RC ₁₃	1993 09 14.28715	23 47 22.27	-02 27 54.6		7 809	1993 RM ₁₃	* 1993 09 14.24549	23 48 34.00	+00 28 55.2	18.5 7 809
1993 RC ₁₃	1993 09 19.22535	23 42 11.45	-02 22 24.9		7 809	1993 RM ₁₃	1993 09 14.26632	23 48 32.86	+00 28 47.6	7 809
1993 RC ₁₃	1993 09 19.24618	23 42 09.98	-02 22 23.4		7 809	1993 RM ₁₃	1993 09 14.28715	23 48 31.83	+00 28 40.2	7 809
1993 RC ₁₃	1993 09 19.26701	23 42 08.73	-02 22 23.3		7 809	1993 RM ₁₃	1993 09 19.22535	23 44 36.36	-00 01 32.8	7 809
1993 RD ₁₃	* 1993 09 14.24549	23 47 33.57	-00 58 38.9	18.4	7 809	1993 RM ₁₃	1993 09 19.24618	23 44 35.21	-00 01 41.8	7 809
1993 RD ₁₃	1993 09 14.26632	23 47 32.27	-00 58 45.8		7 809	1993 RM ₁₃	1993 09 19.26701	23 44 34.18	-00 01 48.9	7 809
1993 RD ₁₃	1993 09 14.28715	23 47 31.11	-00 58 50.7		7 809	1993 RN ₁₃	* 1993 09 14.24549	23 48 35.18	+00 19 08.3	18.5 7 809
1993 RD ₁₃	1993 09 19.22535	23 43 22.01	-01 22 09.8		7 809	1993 RN ₁₃	1993 09 14.26632	23 48 34.11	+00 19 00.6	7 809
1993 RD ₁₃	1993 09 19.24618	23 43 20.87	-01 22 14.4		7 809	1993 RN ₁₃	1993 09 14.28715	23 48 33.07	+00 18 55.0	7 809
1993 RD ₁₃	1993 09 19.26701	23 43 19.70	-01 22 19.9		7 809	1993 RN ₁₃	1993 09 19.22535	23 44 44.14	-00 06 18.3	7 809
1993 RE ₁₃	* 1993 09 14.24549	23 47 57.70	-02 51 16.4	18.6	7 809	1993 RN ₁₃	1993 09 19.24618	23 44 43.12	-00 06 23.0	7 809
1993 RE ₁₃	1993 09 14.26632	23 47 56.49	-02 51 24.8		7 809	1993 RN ₁₃	1993 09 19.26701	23 44 42.20	-00 06 30.6	7 809
1993 RE ₁₃	1993 09 14.28715	23 47 55.23	-02 51 34.1		7 809	1993 RO ₁₃	* 1993 09 14.24549	23 48 44.32	-01 27 16.2	18.2 7 809
1993 RE ₁₃	1993 09 19.22535	23 43 34.90	-03 26 38.7		7 809	1993 RO ₁₃	1993 09 14.26632	23 48 43.11	-01 27 20.0	7 809
1993 RE ₁₃	1993 09 19.24618	23 43 33.59	-03 26 47.3		7 809	1993 RO ₁₃	1993 09 14.28715	23 48 41.99	-01 27 23.1	7 809
1993 RE ₁₃	1993 09 19.26701	23 43 32.33	-03 26 56.4		7 809	1993 RO ₁₃	1993 09 19.22535	23 44 28.92	-01 42 07.3	7 809
1993 RF ₁₃	* 1993 09 14.24549	23 47 57.88	+00 34 11.8	18.4	7 809	1993 RO ₁₃	1993 09 19.24618	23 44 27.70	-01 42 11.2	7 809
1993 RF ₁₃	1993 09 14.26632	23 47 56.60	+00 34 05.8		7 809	1993 RO ₁₃	1993 09 19.26701	23 44 26.53	-01 42 14.3	7 809
1993 RF ₁₃	1993 09 14.28715	23 47 55.46	+00 34 00.2		7 809	1993 RP ₁₃	* 1993 09 14.24549	23 48 55.07	-00 31 23.7	18.6 7 809
1993 RF ₁₃	1993 09 19.22535	23 43 38.97	+00 13 54.8		7 809	1993 RP ₁₃	1993 09 14.26632	23 48 53.93	-00 31 32.7	7 809
1993 RF ₁₃	1993 09 19.24618	23 43 37.96	+00 13 49.5		7 809	1993 RP ₁₃	1993 09 14.28715	23 48 52.99	-00 31 42.0	7 809
1993 RF ₁₃	1993 09 19.26701	23 43 36.79	+00 13 43.7		7 809	1993 RP ₁₃	1993 09 19.22535	23 45 16.03	-01 06 57.1	7 809
1993 RG ₁₃	* 1993 09 14.24549	23 48 01.41	-00 09 46.3	18.7	7 809	1993 RP ₁₃	1993 09 19.24618	23 45 14.93	-01 07 06.9	7 809
1993 RG ₁₃	1993 09 14.26632	23 48 00.48	-00 09 56.2		7 809	1993 RP ₁₃	1993 09 19.26701	23 45 13.93	-01 07 17.3	7 809
1993 RG ₁₃	1993 09 14.28715	23 47 59.54	-00 10 05.3		7 809	1993 RQ ₁₃	* 1993 09 14.24549	23 49 03.98	+00 24 48.7	18.2 7 809
1993 RG ₁₃	1993 09 19.22535	23 44 36.13	-00 46 16.8		7 809	1993 RQ ₁₃	1993 09 14.26632	23 49 02.59	+00 24 47.8	7 809
1993 RG ₁₃	1993 09 19.24618	23 44 35.09	-00 46 29.2		7 809	1993 RQ ₁₃	1993 09 14.28715	23 49 01.35	+00 24 47.0	7 809
1993 RG ₁₃	1993 09 19.26701	23 44 34.32	-00 46 36.0		7 809	1993 RQ ₁₃	1993 09 19.22535	23 44 12.48	+00 20 11.6	7 809
1993 RH ₁₃	* 1993 09 14.24549	23 48 07.83	-03 01 35.7	18.9	7 809	1993 RQ ₁₃	1993 09 19.24618	23 44 11.29	+00 20 10.6	7 809
1993 RH ₁₃	1993 09 14.26632	23 48 06.63	-03 01 42.2		7 809	1993 RQ ₁₃	1993 09 19.26701	23 44 10.04	+00 20 09.5	7 809
1993 RH ₁₃	1993 09 14.28715	23 48 05.35	-03 01 46.5		7 809	1993 RR ₁₃	* 1993 09 14.24549	23 49 08.21	-01 56 28.0	18.5 7 809
1993 RH ₁₃	1993 09 19.22535	23 43 51.16	-03 24 08.0		7 809	1993 RR ₁₃	1993 09 14.26632	23 49 07.18	-01 56 35.7	7 809
1993 RH ₁₃	1993 09 19.24618	23 43 49.94	-03 24 13.5		7 809	1993 RR ₁₃	1993 09 14.28715	23 49 06.10	-01 56 42.7	7 809
1993 RH ₁₃	1993 09 19.26701	23 43 49.03	-03 24 17.0		7 809	1993 RR ₁₃	1993 09 19.22535	23 45 21.46	-02 24 53.5	7 809
1993 RJ ₁₃	* 1993 09 14.24549	23 48 11.89	-00 17 22.1	18.3	7 809	1993 RR ₁₃	1993 09 19.24618	23 45 20.34	-02 25 02.0	7 809
1993 RJ ₁₃	1993 09 14.26632	23 48 10.87	-00 17 38.5		7 809	1993 RR ₁₃	1993 09 19.26701	23 45 19.25	-02 25 08.7	7 809
1993 RJ ₁₃	1993 09 14.28715	23 48 09.88	-00 17 54.0		7 809	1993 RS ₁₃	* 1993 09 14.24549	23 49 24.33	-01 53 25.6	18.3 7 809
1993 RJ ₁₃	1993 09 19.22535	23 44 46.96	-01 19 03.6		7 809	1993 RS ₁₃	1993 09 14.26632	23 49 23.27	-01 53 36.4	7 809
1993 RJ ₁₃	1993 09 19.24618	23 44 45.98	-01 19 19.3		7 809	1993 RS ₁₃	1993 09 14.28715	23 49 22.34	-01 53 47.1	7 809
1993 RJ ₁₃	1993 09 19.26701	23 44 45.04	-01 19 34.1		7 809	1993 RS ₁₃	1993 09 19.22535	23 45 57.48	-02 35 08.9	7 809
1993 RK ₁₃	* 1993 09 14.24549	23 48 24.85	-00 02 38.5	18.5	7 809	1993 RS ₁₃	1993 09 19.24618	23 45 56.50	-02 35 18.8	7 809
1993 RK ₁₃	1993 09 14.26632	23 48 23.80	-00 02 48.3		7 809	1993 RS ₁₃	1993 09 19.26701	23 45 55.60	-02 35 30.8	7 809
1993 RK ₁₃	1993 09 14.28715	23 48 22.56	-00 03 01.0		7 809	1993 RT ₁₃	* 1993 09 14.24549	23 49 52.06	-02 02 39.0	18.6 7 809
1993 RK ₁₃	1993 09 19.22535	23 44 17.36	-00 46 11.2		7 809	1993 RT ₁₃	1993 09 14.26632	23 49 50.60	-02 02 44.8	7 809

1993 RT ₁₃	1993 09 14.28715	23 49 49.17	-02 02 52.3	7 809	1993 RB ₁₄	* 1993 09 15.13056	00 19 56.50	+03 48 05.7	18.3	4 809
1993 RT ₁₃	1993 09 19.22535	23 44 59.97	-02 28 10.0	7 809	1993 RB ₁₄	1993 09 15.14097	00 19 55.72	+03 48 04.5		4 809
1993 RT ₁₃	1993 09 19.24618	23 44 58.68	-02 28 16.2	7 809	1993 RB ₁₄	1993 09 15.15139	00 19 55.07	+03 48 02.7		4 809
1993 RT ₁₃	1993 09 19.26701	23 44 57.45	-02 28 22.9	7 809	1993 RB ₁₄	1993 09 16.25521	00 18 51.32	+03 45 32.0		7 809
1993 RU ₁₃	* 1993 09 14.24549	23 50 08.14	-02 48 30.6	18.4 7 809	1993 RB ₁₄	1993 09 16.27604	00 18 50.00	+03 45 28.5		7 809
1993 RU ₁₃	1993 09 14.26632	23 50 06.88	-02 48 34.5	7 809	1993 RB ₁₄	1993 09 16.29688	00 18 48.76	+03 45 26.1		7 809
1993 RU ₁₃	1993 09 14.28715	23 50 05.58	-02 48 38.2	7 809	1993 RB ₁₄	1993 09 17.21944	00 17 55.60	+03 43 14.2		4 809
1993 RU ₁₃	1993 09 19.22535	23 44 58.18	-02 59 26.0	7 809	1993 RB ₁₄	1993 09 17.22986	00 17 54.94	+03 43 13.2		4 809
1993 RU ₁₃	1993 09 19.24618	23 44 56.66	-02 59 31.4	7 809	1993 RB ₁₄	1993 09 17.24028	00 17 54.28	+03 43 11.2		4 809
1993 RU ₁₃	1993 09 19.26701	23 44 55.33	-02 59 34.1	7 809	1993 RB ₁₄	1993 09 23.21076	00 12 00.76	+03 27 51.9	18.4	7 809
1993 RV ₁₃	* 1993 09 14.24549	23 50 13.91	+00 10 04.5	18.5 7 809	1993 RB ₁₄	1993 09 23.23160	00 11 59.48	+03 27 47.0		7 809
1993 RV ₁₃	1993 09 14.26632	23 50 12.76	+00 09 59.6	7 809	1993 RB ₁₄	1993 09 23.25243	00 11 58.22	+03 27 44.5		7 809
1993 RV ₁₃	1993 09 14.28715	23 50 11.53	+00 09 53.1	7 809	1993 RC ₁₄	* 1993 09 15.13056	00 20 17.37	+03 53 28.1	18.6	4 809
1993 RV ₁₃	1993 09 19.22535	23 46 03.07	-00 09 55.6	7 809	1993 RC ₁₄	1993 09 15.14097	00 20 16.56	+03 53 26.5		4 809
1993 RV ₁₃	1993 09 19.24618	23 46 01.93	-00 10 02.1	7 809	1993 RC ₁₄	1993 09 15.15139	00 20 15.90	+03 53 24.5		4 809
1993 RV ₁₃	1993 09 19.26701	23 46 00.95	-00 10 06.5	7 809	1993 RC ₁₄	1993 09 17.21944	00 18 10.43	+03 49 07.1	18.6	4 809
1993 RW ₁₃	* 1993 09 14.24549	23 50 16.82	+00 25 41.6	18.3 7 809	1993 RC ₁₄	1993 09 17.22986	00 18 09.69	+03 49 02.9		4 809
1993 RW ₁₃	1993 09 14.26632	23 50 15.53	+00 25 38.6	7 809	1993 RC ₁₄	1993 09 17.24028	00 18 09.03	+03 49 01.8		4 809
1993 RW ₁₃	1993 09 14.28715	23 50 14.39	+00 25 35.8	7 809	1993 RC ₁₄	1993 09 23.21076	00 11 50.52	+03 34 30.3	18.6	7 809
1993 RW ₁₃	1993 09 19.22535	23 45 42.93	+00 13 11.2	7 809	1993 RC ₁₄	1993 09 23.23160	00 11 49.10	+03 34 27.4		7 809
1993 RW ₁₃	1993 09 19.24618	23 45 41.72	+00 13 08.7	7 809	1993 RC ₁₄	1993 09 23.25243	00 11 47.85	+03 34 20.7		7 809
1993 RW ₁₃	1993 09 19.26701	23 45 40.47	+00 13 05.1	7 809	1993 RD ₁₄	* 1993 09 15.13056	00 24 27.27	+04 33 14.7	18.4	4 809
1993 RX ₁₃	* 1993 09 14.24549	23 50 30.11	-00 34 36.4	18.7 7 809	1993 RD ₁₄	1993 09 15.14097	00 24 26.67	+04 33 13.7		4 809
1993 RX ₁₃	1993 09 14.26632	23 50 29.19	-00 34 41.7	7 809	1993 RD ₁₄	1993 09 15.15139	00 24 26.16	+04 33 11.8		4 809
1993 RX ₁₃	1993 09 14.28715	23 50 28.15	-00 34 45.9	7 809	1993 RD ₁₄	1993 09 16.25521	00 23 37.66	+04 29 56.6		7 809
1993 RX ₁₃	1993 09 19.22535	23 46 53.96	-00 56 34.1	7 809	1993 RD ₁₄	1993 09 16.27604	00 23 36.69	+04 29 52.5		7 809
1993 RX ₁₃	1993 09 19.24618	23 46 53.00	-00 56 38.6	7 809	1993 RD ₁₄	1993 09 16.29688	00 23 35.71	+04 29 48.8		7 809
1993 RX ₁₃	1993 09 19.26701	23 46 51.97	-00 56 44.5	7 809	1993 RD ₁₄	1993 09 17.21944	00 22 55.06	+04 27 05.7		4 809
1993 RY ₁₃	* 1993 09 14.24549	23 50 36.65	-02 00 09.8	18.3 7 809	1993 RD ₁₄	1993 09 17.22986	00 22 54.48	+04 27 04.0		4 809
1993 RY ₁₃	1993 09 14.26632	23 50 35.58	-02 00 20.7	7 809	1993 RD ₁₄	1993 09 17.24028	00 22 54.02	+04 27 01.9		4 809
1993 RY ₁₃	1993 09 14.28715	23 50 34.59	-02 00 31.0	7 809	1993 RD ₁₄	1993 09 23.21076	00 18 20.41	+04 07 56.6	18.4	7 809
1993 RY ₁₃	1993 09 19.22535	23 47 02.37	-02 42 14.2	7 809	1993 RD ₁₄	1993 09 23.23160	00 18 19.28	+04 07 52.6		7 809
1993 RY ₁₃	1993 09 19.24618	23 47 01.37	-02 42 24.4	7 809	1993 RD ₁₄	1993 09 23.25243	00 18 18.26	+04 07 47.5		7 809
1993 RY ₁₃	1993 09 19.26701	23 47 00.31	-02 42 35.4	7 809	1993 RE ₁₄	* 1993 09 15.13056	00 24 33.96	+04 47 46.6	18.6	4 809
1993 RZ ₁₃	* 1993 09 14.24549	23 50 42.10	-00 11 25.5	18.4 7 809	1993 RE ₁₄	1993 09 15.14097	00 24 33.48	+04 47 42.0		4 809
1993 RZ ₁₃	1993 09 14.26632	23 50 40.66	-00 11 30.5	7 809	1993 RE ₁₄	1993 09 15.15139	00 24 33.05	+04 47 38.4		4 809
1993 RZ ₁₃	1993 09 14.28715	23 50 39.31	-00 11 32.0	7 809	1993 RE ₁₄	1993 09 17.21944	00 23 10.96	+04 34 20.1		4 809
1993 RZ ₁₃	1993 09 19.22535	23 45 27.65	-00 25 02.8	7 809	1993 RE ₁₄	1993 09 17.22986	00 23 10.47	+04 34 16.6		4 809
1993 RZ ₁₃	1993 09 19.24618	23 45 26.05	-00 25 06.3	7 809	1993 RE ₁₄	1993 09 17.24028	00 23 10.10	+04 34 11.0		4 809
1993 RZ ₁₃	1993 09 19.26701	23 45 24.75	-00 25 10.1	7 809	1993 RF ₁₄	* 1993 09 15.13056	00 24 36.02	+03 24 41.6	19.0	4 809
1993 RA ₁₄	* 1993 09 15.13056	00 19 44.36	+04 06 27.4	18.4 4 809	1993 RF ₁₄	1993 09 15.14097	00 24 35.41	+03 24 38.7		4 809
1993 RA ₁₄	1993 09 15.14097	00 19 43.74	+04 06 24.3	4 809	1993 RF ₁₄	1993 09 15.15139	00 24 34.85	+03 24 34.5		4 809
1993 RA ₁₄	1993 09 15.15139	00 19 43.10	+04 06 20.9	4 809	1993 RF ₁₄	1993 09 17.21944	00 23 05.50	+03 15 43.7		4 809
1993 RA ₁₄	1993 09 16.25521	00 18 47.39	+04 01 51.2	7 809	1993 RF ₁₄	1993 09 17.22986	00 23 05.03	+03 15 42.9		4 809
1993 RA ₁₄	1993 09 16.27604	00 18 46.25	+04 01 44.3	7 809	1993 RF ₁₄	1993 09 17.24028	00 23 04.47	+03 15 41.0		4 809
1993 RA ₁₄	1993 09 16.29688	00 18 45.09	+04 01 38.6	7 809	1993 RG ₁₄	* 1993 09 15.13056	00 24 50.64	+02 58 38.0	18.7	4 809
1993 RA ₁₄	1993 09 17.21944	00 17 58.30	+03 57 45.0	4 809	1993 RG ₁₄	1993 09 15.14097	00 24 50.19	+02 58 35.3		4 809
1993 RA ₁₄	1993 09 17.22986	00 17 57.69	+03 57 41.3	4 809	1993 RG ₁₄	1993 09 15.15139	00 24 49.71	+02 58 33.2		4 809
1993 RA ₁₄	1993 09 17.24028	00 17 57.13	+03 57 38.8	4 809	1993 RG ₁₄	1993 09 17.21944	00 23 31.38	+02 51 28.2		4 809
1993 RA ₁₄	1993 09 23.21076	00 12 37.93	+03 30 23.8	18.5 7 809	1993 RG ₁₄	1993 09 17.22986	00 23 31.00	+02 51 27.0		4 809
1993 RA ₁₄	1993 09 23.23160	00 12 36.74	+03 30 17.6	7 809	1993 RG ₁₄	1993 09 17.24028	00 23 30.59	+02 51 25.1		4 809
1993 RA ₁₄	1993 09 23.25243	00 12 35.48	+03 30 10.7	7 809	1993 RG ₁₄	1993 09 23.21076	00 19 38.26	+02 30 22.9	18.5	7 809

1993 RG ₁₄	1993 09 23.23160	00 19 37.40	+02 30 16.8		7 809	1993 RP ₁₄	1993 09 15.15139	00 32 52.39	+02 44 02.3		4 809
1993 RG ₁₄	1993 09 23.25243	00 19 36.35	+02 30 12.4		7 809	1993 RP ₁₄	1993 09 17.21944	00 31 13.10	+02 44 40.1		4 809
1993 RH ₁₄	* 1993 09 15.13056	00 26 13.46	+05 38 23.2	18.3	4 809	1993 RP ₁₄	1993 09 17.22986	00 31 12.50	+02 44 39.1		4 809
1993 RH ₁₄	1993 09 15.14097	00 26 12.94	+05 38 20.3		4 809	1993 RP ₁₄	1993 09 17.24028	00 31 11.91	+02 44 39.2		4 809
1993 RH ₁₄	1993 09 15.15139	00 26 12.50	+05 38 18.3		4 809	1993 RQ ₁₄	* 1993 09 15.13056	00 33 02.13	+03 19 41.7	18.4	4 809
1993 RH ₁₄	1993 09 16.25521	00 25 26.87	+05 33 52.9		7 809	1993 RQ ₁₄	1993 09 15.14097	00 33 01.50	+03 19 42.2		4 809
1993 RH ₁₄	1993 09 16.27604	00 25 25.84	+05 33 46.4		7 809	1993 RQ ₁₄	1993 09 15.15139	00 33 00.99	+03 19 42.1		4 809
1993 RH ₁₄	1993 09 16.29688	00 25 24.82	+05 33 41.2		7 809	1993 RQ ₁₄	1993 09 17.21944	00 31 16.85	+03 16 44.5		4 809
1993 RH ₁₄	1993 09 17.21944	00 24 45.94	+05 29 53.0		4 809	1993 RQ ₁₄	1993 09 17.22986	00 31 16.30	+03 16 43.1		4 809
1993 RH ₁₄	1993 09 17.22986	00 24 45.41	+05 29 50.0		4 809	1993 RQ ₁₄	1993 09 17.24028	00 31 15.63	+03 16 41.3		4 809
1993 RH ₁₄	1993 09 17.24028	00 24 45.01	+05 29 46.6		4 809	1993 RR ₁₄	* 1993 09 15.13056	00 33 14.31	+05 40 53.5	18.5	4 809
1993 RH ₁₄	1993 09 23.21076	00 20 16.70	+05 02 05.6	18.5	7 809	1993 RR ₁₄	1993 09 15.14097	00 33 13.83	+05 40 50.6		4 809
1993 RH ₁₄	1993 09 23.23160	00 20 15.71	+05 01 59.9		7 809	1993 RR ₁₄	1993 09 15.15139	00 33 13.29	+05 40 48.3		4 809
1993 RH ₁₄	1993 09 23.25243	00 20 14.61	+05 01 52.4		7 809	1993 RR ₁₄	1993 09 17.21944	00 31 31.67	+05 30 41.4		4 809
1993 RJ ₁₄	* 1993 09 15.13056	00 29 36.62	+06 48 26.8	18.5	4 809	1993 RR ₁₄	1993 09 17.22986	00 31 31.09	+05 30 37.7		4 809
1993 RJ ₁₄	1993 09 15.14097	00 29 35.89	+06 48 25.6		4 809	1993 RR ₁₄	1993 09 17.24028	00 31 30.56	+05 30 34.9		4 809
1993 RJ ₁₄	1993 09 15.15139	00 29 35.33	+06 48 23.5		4 809	1993 RS ₁₄	* 1993 09 15.13056	00 34 01.06	+03 25 03.6	18.3	4 809
1993 RJ ₁₄	1993 09 17.21944	00 27 44.64	+06 43 33.0		4 809	1993 RS ₁₄	1993 09 15.14097	00 34 00.36	+03 24 58.5		4 809
1993 RJ ₁₄	1993 09 17.22986	00 27 44.10	+06 43 31.5		4 809	1993 RS ₁₄	1993 09 15.15139	00 33 59.85	+03 24 54.0		4 809
1993 RJ ₁₄	1993 09 17.24028	00 27 43.47	+06 43 30.1		4 809	1993 RS ₁₄	1993 09 17.21944	00 32 10.26	+03 10 32.8		4 809
1993 RK ₁₄	* 1993 09 15.13056	00 31 24.88	+06 50 27.3	18.5	4 809	1993 RS ₁₄	1993 09 17.22986	00 32 09.61	+03 10 27.7		4 809
1993 RK ₁₄	1993 09 15.14097	00 31 24.33	+06 50 25.2		4 809	1993 RS ₁₄	1993 09 17.24028	00 32 09.18	+03 10 24.1		4 809
1993 RK ₁₄	1993 09 15.15139	00 31 23.78	+06 50 24.1		4 809	1993 RT ₁₄	* 1993 09 15.13056	00 34 21.65	+06 25 00.0	18.5	4 809
1993 RK ₁₄	1993 09 17.21944	00 29 41.54	+06 44 04.4		4 809	1993 RT ₁₄	1993 09 15.14097	00 34 20.91	+06 24 59.9		4 809
1993 RK ₁₄	1993 09 17.22986	00 29 40.97	+06 44 02.2		4 809	1993 RT ₁₄	1993 09 15.15139	00 34 20.33	+06 24 58.6		4 809
1993 RK ₁₄	1993 09 17.24028	00 29 40.33	+06 43 59.8		4 809	1993 RT ₁₄	1993 09 17.21944	00 32 27.41	+06 22 30.8		4 809
1993 RL ₁₄	* 1993 09 15.13056	00 31 39.23	+04 08 09.5	18.5	4 809	1993 RT ₁₄	1993 09 17.22986	00 32 26.88	+06 22 30.4		4 809
1993 RL ₁₄	1993 09 15.14097	00 31 38.75	+04 08 01.6		4 809	1993 RT ₁₄	1993 09 17.24028	00 32 26.35	+06 22 29.3		4 809
1993 RL ₁₄	1993 09 15.15139	00 31 38.41	+04 07 55.7		4 809	1993 RU ₁₄	* 1993 09 15.13056	00 37 09.66	+03 25 42.2	18.6	4 809
1993 RL ₁₄	1993 09 17.21944	00 30 38.89	+03 49 13.7		4 809	1993 RU ₁₄	1993 09 15.14097	00 37 08.94	+03 25 43.1		4 809
1993 RL ₁₄	1993 09 17.22986	00 30 38.49	+03 49 06.6		4 809	1993 RU ₁₄	1993 09 15.15139	00 37 08.27	+03 25 42.4		4 809
1993 RL ₁₄	1993 09 17.24028	00 30 38.19	+03 49 00.7		4 809	1993 RU ₁₄	1993 09 17.21944	00 35 08.26	+03 26 53.0		4 809
1993 RM ₁₄	* 1993 09 15.13056	00 31 51.71	+03 55 07.0	18.2	4 809	1993 RU ₁₄	1993 09 17.22986	00 35 07.62	+03 26 54.3		4 809
1993 RM ₁₄	1993 09 15.14097	00 31 51.17	+03 55 03.4		4 809	1993 RU ₁₄	1993 09 17.24028	00 35 06.99	+03 26 53.3		4 809
1993 RM ₁₄	1993 09 15.15139	00 31 50.71	+03 55 00.6		4 809	1993 RV ₁₄	* 1993 09 15.13056	00 38 00.24	+06 06 49.1	18.4	4 809
1993 RM ₁₄	1993 09 17.21944	00 30 25.53	+03 44 37.2		4 809	1993 RV ₁₄	1993 09 15.14097	00 37 59.62	+06 06 45.5		4 809
1993 RM ₁₄	1993 09 17.22986	00 30 25.00	+03 44 34.1		4 809	1993 RV ₁₄	1993 09 15.15139	00 37 59.14	+06 06 42.7		4 809
1993 RM ₁₄	1993 09 17.24028	00 30 24.47	+03 44 30.8		4 809	1993 RV ₁₄	1993 09 17.21944	00 36 18.05	+05 54 29.7		4 809
1993 RN ₁₄	* 1993 09 15.13056	00 32 16.72	+06 59 26.9	18.6	4 809	1993 RV ₁₄	1993 09 17.22986	00 36 17.39	+05 54 25.2		4 809
1993 RN ₁₄	1993 09 15.14097	00 32 16.26	+06 59 26.0		4 809	1993 RV ₁₄	1993 09 17.24028	00 36 16.91	+05 54 22.5		4 809
1993 RN ₁₄	1993 09 15.15139	00 32 15.66	+06 59 24.9		4 809	1993 RV ₁₄	1993 09 24.26354	00 30 13.59	+05 09 56.4		7 809
1993 RN ₁₄	1993 09 17.21944	00 30 46.96	+06 55 42.7		4 809	1993 RV ₁₄	1993 09 24.28437	00 30 12.49	+05 09 46.8		7 809
1993 RN ₁₄	1993 09 17.22986	00 30 46.47	+06 55 41.5		4 809	1993 RV ₁₄	1993 09 24.30521	00 30 11.19	+05 09 36.8		7 809
1993 RN ₁₄	1993 09 17.24028	00 30 46.04	+06 55 39.7		4 809	1993 RW ₁₄	* 1993 09 15.13056	00 38 29.71	+05 01 48.7	18.7	4 809
1993 RO ₁₄	* 1993 09 15.13056	00 32 24.92	+04 04 54.1	18.4	4 809	1993 RW ₁₄	1993 09 15.14097	00 38 29.28	+05 01 45.7		4 809
1993 RO ₁₄	1993 09 15.14097	00 32 24.41	+04 04 47.3		4 809	1993 RW ₁₄	1993 09 15.15139	00 38 28.81	+05 01 41.9		4 809
1993 RO ₁₄	1993 09 15.15139	00 32 23.88	+04 04 42.0		4 809	1993 RW ₁₄	1993 09 17.21944	00 37 06.34	+04 48 23.5		4 809
1993 RO ₁₄	1993 09 17.21944	00 30 57.32	+03 46 15.8		4 809	1993 RW ₁₄	1993 09 17.22986	00 37 05.80	+04 48 19.8		4 809
1993 RO ₁₄	1993 09 17.22986	00 30 56.76	+03 46 08.9		4 809	1993 RW ₁₄	1993 09 17.24028	00 37 05.30	+04 48 15.5		4 809
1993 RO ₁₄	1993 09 17.24028	00 30 56.17	+03 46 03.3		4 809	1993 RX ₁₄	* 1993 09 15.13056	00 38 50.55	+05 54 23.6	18.6	4 809
1993 RP ₁₄	* 1993 09 15.13056	00 32 53.45	+02 44 00.4	18.5	4 809	1993 RX ₁₄	1993 09 15.14097	00 38 50.03	+05 54 21.7		4 809
1993 RP ₁₄	1993 09 15.14097	00 32 53.01	+02 44 02.5		4 809	1993 RX ₁₄	1993 09 15.15139	00 38 49.58	+05 54 20.6		4 809

1993 RX ₁₄	1993 09 17.21944	00 37 27.16	+05 47 17.8	4 809	1993 SF ₁₁	1993 09 16.29688	00 09 34.33	+02 43 22.8		7 809
1993 RX ₁₄	1993 09 17.22986	00 37 26.63	+05 47 15.9	4 809	1993 SF ₁₁	1993 09 23.21076	00 05 04.01	+01 29 51.3	18.3	7 809
1993 RX ₁₄	1993 09 17.24028	00 37 26.10	+05 47 11.3	4 809	1993 SF ₁₁	1993 09 23.23160	00 05 03.03	+01 29 35.3		7 809
1993 RZ ₁₄	* 1993 09 15.13056	00 40 09.42	+04 32 20.5	18.6 4 809	1993 SF ₁₁	1993 09 23.25243	00 05 02.11	+01 29 20.6		7 809
1993 RZ ₁₄	1993 09 15.14097	00 40 08.54	+04 32 24.1	4 809	1993 SG ₁₁	* 1993 09 16.25521	00 10 25.78	+03 03 21.9		7 809
1993 RZ ₁₄	1993 09 15.15139	00 40 07.63	+04 32 28.4	4 809	1993 SG ₁₁	1993 09 16.27604	00 10 24.65	+03 03 15.0		7 809
1993 RZ ₁₄	1993 09 17.21944	00 37 10.90	+04 44 00.3	4 809	1993 SG ₁₁	1993 09 16.29688	00 10 23.58	+03 03 08.9		7 809
1993 RZ ₁₄	1993 09 17.22986	00 37 09.98	+04 44 03.2	4 809	1993 SG ₁₁	1993 09 23.21076	00 04 18.94	+02 28 58.5	18.3	7 809
1993 RZ ₁₄	1993 09 17.24028	00 37 09.05	+04 44 07.0	4 809	1993 SG ₁₁	1993 09 23.23160	00 04 17.79	+02 28 51.2		7 809
1993 SE ₂	1993 09 14.24549	23 48 25.68	-02 36 56.9	18.3 7 809	1993 SG ₁₁	1993 09 23.25243	00 04 16.63	+02 28 44.5		7 809
1993 SE ₂	1993 09 14.26632	23 48 24.45	-02 36 59.4	7 809	1993 SH ₁₁	* 1993 09 16.25521	00 10 40.49	+02 20 37.5		7 809
1993 SE ₂	1993 09 14.28715	23 48 23.41	-02 37 02.0	7 809	1993 SH ₁₁	1993 09 16.27604	00 10 39.46	+02 20 29.8		7 809
1993 SE ₂	1993 09 19.22535	23 44 15.46	-02 46 48.4	7 809	1993 SH ₁₁	1993 09 16.29688	00 10 38.52	+02 20 23.5		7 809
1993 SE ₂	1993 09 19.24618	23 44 14.45	-02 46 50.5	7 809	1993 SH ₁₁	1993 09 23.21076	00 05 11.32	+01 39 51.2	18.3	7 809
1993 SE ₂	1993 09 19.26701	23 44 13.34	-02 46 52.9	7 809	1993 SH ₁₁	1993 09 23.23160	00 05 10.25	+01 39 42.8		7 809
1993 SR ₂	1993 09 16.25521	00 19 03.47	+02 20 40.8	7 809	1993 SH ₁₁	1993 09 23.25243	00 05 09.28	+01 39 34.1		7 809
1993 SR ₂	1993 09 16.27604	00 19 02.49	+02 20 33.1	7 809	1993 SJ ₁₁	* 1993 09 16.25521	00 10 49.44	+04 01 31.0		7 809
1993 SR ₂	1993 09 16.29688	00 19 01.52	+02 20 26.2	7 809	1993 SJ ₁₁	1993 09 16.27604	00 10 48.21	+04 01 25.8		7 809
1993 SR ₂	1993 09 23.21076	00 13 46.99	+01 40 10.8	18.1 7 809	1993 SJ ₁₁	1993 09 16.29688	00 10 46.81	+04 01 18.8		7 809
1993 SR ₂	1993 09 23.23160	00 13 46.00	+01 40 02.8	7 809	1993 SJ ₁₁	1993 09 23.21076	00 03 50.56	+03 26 03.1	18.4	7 809
1993 SR ₂	1993 09 23.25243	00 13 45.02	+01 39 55.6	7 809	1993 SJ ₁₁	1993 09 23.23160	00 03 49.08	+03 25 55.3		7 809
1993 SK ₃	1993 09 16.25521	00 24 54.38	+05 40 26.0	7 809	1993 SJ ₁₁	1993 09 23.25243	00 03 47.76	+03 25 48.3		7 809
1993 SK ₃	1993 09 16.27604	00 24 53.57	+05 40 20.7	7 809	1993 SK ₁₁	* 1993 09 16.25521	00 10 56.42	+01 25 34.2		7 809
1993 SK ₃	1993 09 16.29688	00 24 52.69	+05 40 16.8	7 809	1993 SK ₁₁	1993 09 16.27604	00 10 55.51	+01 25 24.2		7 809
1993 SK ₃	1993 09 23.21076	00 19 47.61	+05 13 14.5	18.3 7 809	1993 SK ₁₁	1993 09 16.29688	00 10 54.61	+01 25 13.4		7 809
1993 SK ₃	1993 09 23.23160	00 19 46.54	+05 13 08.7	7 809	1993 SK ₁₁	1993 09 23.21076	00 06 13.08	+00 29 04.2	18.5	7 809
1993 SK ₃	1993 09 23.25243	00 19 45.59	+05 13 03.8	7 809	1993 SK ₁₁	1993 09 23.23160	00 06 12.08	+00 28 51.4		7 809
1993 SM ₇	1993 09 22.30312	00 44 45.51	+04 14 59.1	7 809	1993 SK ₁₁	1993 09 23.25243	00 06 11.18	+00 28 41.1		7 809
1993 SM ₇	1993 09 22.32396	00 44 44.30	+04 14 52.2	7 809	1993 SL ₁₁	* 1993 09 16.25521	00 11 32.29	+03 39 52.6		7 809
1993 SH ₉	1993 09 17.21944	00 35 39.79	+07 26 08.8	4 809	1993 SL ₁₁	1993 09 16.27604	00 11 30.99	+03 39 51.0		7 809
1993 SH ₉	1993 09 17.22986	00 35 39.32	+07 26 03.8	4 809	1993 SL ₁₁	1993 09 16.29688	00 11 29.77	+03 39 51.2		7 809
1993 SH ₉	1993 09 17.24028	00 35 38.88	+07 25 59.0	4 809	1993 SL ₁₁	1993 09 23.21076	00 04 38.92	+03 35 33.8	18.5	7 809
1993 SJ ₉	1993 09 17.21944	00 35 35.47	+07 23 54.0	18.4 4 809	1993 SL ₁₁	1993 09 23.23160	00 04 37.61	+03 35 31.5		7 809
1993 SJ ₉	1993 09 17.22986	00 35 35.11	+07 23 46.3	4 809	1993 SL ₁₁	1993 09 23.25243	00 04 36.27	+03 35 29.6		7 809
1993 SJ ₉	1993 09 17.24028	00 35 34.78	+07 23 41.2	4 809	1993 SM ₁₁	* 1993 09 16.25521	00 11 58.05	+02 48 51.8		7 809
1993 SL ₉	1993 09 15.13056	00 40 28.35	+04 07 27.6	18.4 4 809	1993 SM ₁₁	1993 09 16.27604	00 11 57.07	+02 48 46.7		7 809
1993 SL ₉	1993 09 15.14097	00 40 27.73	+04 07 28.5	4 809	1993 SM ₁₁	1993 09 16.29688	00 11 56.11	+02 48 42.0		7 809
1993 SL ₉	1993 09 15.15139	00 40 27.08	+04 07 29.2	4 809	1993 SM ₁₁	1993 09 23.21076	00 06 36.15	+02 23 12.7	18.5	7 809
1993 SL ₉	1993 09 17.21944	00 38 34.89	+04 08 35.4	4 809	1993 SM ₁₁	1993 09 23.23160	00 06 35.05	+02 23 05.5		7 809
1993 SL ₉	1993 09 17.22986	00 38 34.33	+04 08 36.4	4 809	1993 SM ₁₁	1993 09 23.25243	00 06 34.05	+02 23 01.4		7 809
1993 SL ₉	1993 09 17.24028	00 38 33.68	+04 08 37.2	4 809	1993 SN ₁₁	* 1993 09 16.25521	00 12 23.31	+04 16 32.6		7 809
1993 SN ₉	1993 09 15.13056	00 39 05.99	+05 06 43.3	18.5 4 809	1993 SN ₁₁	1993 09 16.27604	00 12 22.22	+04 16 24.5		7 809
1993 SN ₉	1993 09 15.14097	00 39 05.54	+05 06 41.5	4 809	1993 SN ₁₁	1993 09 16.29688	00 12 21.24	+04 16 15.9		7 809
1993 SN ₉	1993 09 15.15139	00 39 05.15	+05 06 40.2	4 809	1993 SN ₁₁	1993 09 23.21076	00 06 37.87	+03 31 02.0	18.3	7 809
1993 SN ₉	1993 09 17.21944	00 37 50.66	+05 00 01.8	4 809	1993 SN ₁₁	1993 09 23.23160	00 06 36.73	+03 30 52.0		7 809
1993 SN ₉	1993 09 17.22986	00 37 50.22	+04 59 59.9	4 809	1993 SN ₁₁	1993 09 23.25243	00 06 35.67	+03 30 43.5		7 809
1993 SN ₉	1993 09 17.24028	00 37 49.74	+04 59 58.0	4 809	1993 SO ₁₁	* 1993 09 16.25521	00 12 24.41	+00 48 45.1		7 809
1993 SP ₉	1993 09 15.13056	00 40 48.09	+04 06 56.9	18.4 4 809	1993 SO ₁₁	1993 09 16.27604	00 12 23.49	+00 48 39.1		7 809
1993 SP ₉	1993 09 15.14097	00 40 47.51	+04 06 54.3	4 809	1993 SO ₁₁	1993 09 16.29688	00 12 22.51	+00 48 33.2		7 809
1993 SP ₉	1993 09 15.15139	00 40 47.13	+04 06 52.4	4 809	1993 SO ₁₁	1993 09 23.21076	00 07 22.44	+00 18 02.0	18.3	7 809
1993 SF ₁₁	* 1993 09 16.25521	00 09 36.03	+02 43 48.7	7 809	1993 SO ₁₁	1993 09 23.23160	00 07 21.39	+00 17 54.8		7 809
1993 SF ₁₁	1993 09 16.27604	00 09 35.23	+02 43 36.7	7 809	1993 SO ₁₁	1993 09 23.25243	00 07 20.44	+00 17 48.9		7 809

1993 SP ₁₁	* 1993 09 16.25521	00 12 29.04	+03 28 38.7	7 809	1993 SX ₁₁	1993 09 23.23160	00 07 04.97	+01 02 57.8	7 809
1993 SP ₁₁	1993 09 16.27604	00 12 27.97	+03 28 27.0	7 809	1993 SX ₁₁	1993 09 23.25243	00 07 03.76	+01 02 54.8	7 809
1993 SP ₁₁	1993 09 16.29688	00 12 26.93	+03 28 13.9	7 809	1993 SY ₁₁	* 1993 09 16.25521	00 13 22.74	+05 06 00.0	7 809
1993 SP ₁₁	1993 09 23.21076	00 06 47.44	+02 23 52.6	18.5 7 809	1993 SY ₁₁	1993 09 16.27604	00 13 21.50	+05 05 48.9	7 809
1993 SP ₁₁	1993 09 23.23160	00 06 46.40	+02 23 40.2	7 809	1993 SY ₁₁	1993 09 16.29688	00 13 20.37	+05 05 40.5	7 809
1993 SP ₁₁	1993 09 23.25243	00 06 45.33	+02 23 28.7	7 809	1993 SY ₁₁	1993 09 23.21076	00 07 03.45	+04 17 29.2	18.5 7 809
1993 SQ ₁₁	* 1993 09 16.25521	00 12 39.81	+01 16 21.1	7 809	1993 SY ₁₁	1993 09 23.23160	00 07 02.16	+04 17 18.7	7 809
1993 SQ ₁₁	1993 09 16.27604	00 12 38.85	+01 16 15.1	7 809	1993 SY ₁₁	1993 09 23.25243	00 07 01.02	+04 17 09.6	7 809
1993 SQ ₁₁	1993 09 16.29688	00 12 37.92	+01 16 10.4	7 809	1993 SZ ₁₁	* 1993 09 16.25521	00 13 26.95	+03 49 47.2	7 809
1993 SQ ₁₁	1993 09 23.21076	00 07 42.09	+00 44 33.7	18.4 7 809	1993 SZ ₁₁	1993 09 16.27604	00 13 26.02	+03 49 37.9	7 809
1993 SQ ₁₁	1993 09 23.23160	00 07 41.20	+00 44 26.6	7 809	1993 SZ ₁₁	1993 09 16.29688	00 13 25.15	+03 49 27.9	7 809
1993 SQ ₁₁	1993 09 23.25243	00 07 40.21	+00 44 19.8	7 809	1993 SZ ₁₁	1993 09 23.21076	00 08 40.22	+03 00 15.8	18.3 7 809
1993 SR ₁₁	* 1993 09 16.25521	00 12 43.74	+03 43 42.9	7 809	1993 SZ ₁₁	1993 09 23.23160	00 08 39.24	+03 00 05.0	7 809
1993 SR ₁₁	1993 09 16.27604	00 12 42.89	+03 43 24.8	7 809	1993 SZ ₁₁	1993 09 23.25243	00 08 38.35	+02 59 55.7	7 809
1993 SR ₁₁	1993 09 16.29688	00 12 42.04	+03 43 10.5	7 809	1993 SA ₁₂	* 1993 09 16.25521	00 13 34.26	+05 08 37.4	7 809
1993 SR ₁₁	1993 09 23.21076	00 08 00.84	+02 12 15.4	18.4 7 809	1993 SA ₁₂	1993 09 16.27604	00 13 33.21	+05 08 29.0	7 809
1993 SR ₁₁	1993 09 23.23160	00 08 00.02	+02 11 58.3	7 809	1993 SA ₁₂	1993 09 16.29688	00 13 32.04	+05 08 22.6	7 809
1993 SR ₁₁	1993 09 23.25243	00 07 59.08	+02 11 40.5	7 809	1993 SA ₁₂	1993 09 23.21076	00 07 39.07	+04 26 08.7	18.0 7 809
1993 SS ₁₁	* 1993 09 16.25521	00 12 47.16	+03 55 37.3	7 809	1993 SA ₁₂	1993 09 23.23160	00 07 37.87	+04 25 58.9	7 809
1993 SS ₁₁	1993 09 16.27604	00 12 45.84	+03 55 36.8	7 809	1993 SA ₁₂	1993 09 23.25243	00 07 36.73	+04 25 51.5	7 809
1993 SS ₁₁	1993 09 16.29688	00 12 44.52	+03 55 37.5	7 809	1993 SB ₁₂	* 1993 09 16.25521	00 13 51.63	+02 51 45.7	7 809
1993 SS ₁₁	1993 09 23.21076	00 05 38.48	+03 53 38.1	18.1 7 809	1993 SB ₁₂	1993 09 16.27604	00 13 50.38	+02 51 32.9	7 809
1993 SS ₁₁	1993 09 23.23160	00 05 37.03	+03 53 36.1	7 809	1993 SB ₁₂	1993 09 16.29688	00 13 49.31	+02 51 21.0	7 809
1993 SS ₁₁	1993 09 23.25243	00 05 35.63	+03 53 34.8	7 809	1993 SB ₁₂	1993 09 23.21076	00 07 50.89	+01 49 20.8	18.5 7 809
1993 ST ₁₁	* 1993 09 16.25521	00 12 49.74	+03 57 37.7	7 809	1993 SB ₁₂	1993 09 23.23160	00 07 49.79	+01 49 08.6	7 809
1993 ST ₁₁	1993 09 16.27604	00 12 48.54	+03 57 37.4	7 809	1993 SB ₁₂	1993 09 23.25243	00 07 48.62	+01 48 57.5	7 809
1993 ST ₁₁	1993 09 16.29688	00 12 47.42	+03 57 35.9	7 809	1993 SC ₁₂	* 1993 09 16.25521	00 13 55.50	+04 21 00.3	7 809
1993 ST ₁₁	1993 09 23.21076	00 06 41.61	+03 53 17.3	18.5 7 809	1993 SC ₁₂	1993 09 16.27604	00 13 54.31	+04 20 58.5	7 809
1993 ST ₁₁	1993 09 23.23160	00 06 40.33	+03 53 14.2	7 809	1993 SC ₁₂	1993 09 16.29688	00 13 53.25	+04 20 56.7	7 809
1993 ST ₁₁	1993 09 23.25243	00 06 39.14	+03 53 12.8	7 809	1993 SC ₁₂	1993 09 23.21076	00 07 22.48	+04 07 36.9	18.4 7 809
1993 SU ₁₁	* 1993 09 16.25521	00 12 57.55	+05 06 31.5	7 809	1993 SC ₁₂	1993 09 23.23160	00 07 21.14	+04 07 32.9	7 809
1993 SU ₁₁	1993 09 16.27604	00 12 56.50	+05 06 20.4	7 809	1993 SC ₁₂	1993 09 23.25243	00 07 19.84	+04 07 29.0	7 809
1993 SU ₁₁	1993 09 16.29688	00 12 55.75	+05 06 10.5	7 809	1993 SD ₁₂	* 1993 09 16.25521	00 13 59.74	+01 25 40.4	7 809
1993 SU ₁₁	1993 09 23.21076	00 08 14.99	+04 14 26.3	19.0 7 809	1993 SD ₁₂	1993 09 16.27604	00 13 58.86	+01 25 34.5	7 809
1993 SU ₁₁	1993 09 23.23160	00 08 14.13	+04 14 17.6	7 809	1993 SD ₁₂	1993 09 16.29688	00 13 57.78	+01 25 28.1	7 809
1993 SU ₁₁	1993 09 23.25243	00 08 13.22	+04 14 06.0	7 809	1993 SD ₁₂	1993 09 23.21076	00 07 57.92	+00 50 33.3	18.7 7 809
1993 SV ₁₁	* 1993 09 16.25521	00 13 03.30	+02 01 33.7	7 809	1993 SD ₁₂	1993 09 23.23160	00 07 56.59	+00 50 24.2	7 809
1993 SV ₁₁	1993 09 16.27604	00 13 02.15	+02 01 30.8	7 809	1993 SD ₁₂	1993 09 23.25243	00 07 55.37	+00 50 16.5	7 809
1993 SV ₁₁	1993 09 16.29688	00 13 01.08	+02 01 28.1	7 809	1993 SE ₁₂	* 1993 09 16.25521	00 14 13.06	+05 32 05.8	7 809
1993 SV ₁₁	1993 09 23.21076	00 07 11.80	+01 49 06.4	18.5 7 809	1993 SE ₁₂	1993 09 16.27604	00 14 12.14	+05 31 59.4	7 809
1993 SV ₁₁	1993 09 23.23160	00 07 10.58	+01 49 01.8	7 809	1993 SE ₁₂	1993 09 16.29688	00 14 11.22	+05 31 50.1	7 809
1993 SV ₁₁	1993 09 23.25243	00 07 09.44	+01 48 58.1	7 809	1993 SE ₁₂	1993 09 23.21076	00 09 10.80	+04 45 54.0	18.7 7 809
1993 SW ₁₁	* 1993 09 16.25521	00 13 10.13	+02 27 04.1	7 809	1993 SE ₁₂	1993 09 23.23160	00 09 09.73	+04 45 45.4	7 809
1993 SW ₁₁	1993 09 16.27604	00 13 09.42	+02 26 53.7	7 809	1993 SE ₁₂	1993 09 23.25243	00 09 08.84	+04 45 35.6	7 809
1993 SW ₁₁	1993 09 16.29688	00 13 08.65	+02 26 43.6	7 809	1993 SF ₁₂	* 1993 09 16.25521	00 14 49.20	+02 03 27.2	7 809
1993 SW ₁₁	1993 09 23.21076	00 09 11.17	+01 27 59.5	18.4 7 809	1993 SF ₁₂	1993 09 16.27604	00 14 47.87	+02 03 22.8	7 809
1993 SW ₁₁	1993 09 23.23160	00 09 10.26	+01 27 47.2	7 809	1993 SF ₁₂	1993 09 16.29688	00 14 46.62	+02 03 18.3	7 809
1993 SW ₁₁	1993 09 23.25243	00 09 09.45	+01 27 36.0	7 809	1993 SF ₁₂	1993 09 23.21076	00 08 07.96	+01 39 37.9	18.7 7 809
1993 SX ₁₁	* 1993 09 16.25521	00 13 20.33	+01 23 25.3	7 809	1993 SF ₁₂	1993 09 23.23160	00 08 06.65	+01 39 32.6	7 809
1993 SX ₁₁	1993 09 16.27604	00 13 19.29	+01 23 20.3	7 809	1993 SF ₁₂	1993 09 23.25243	00 08 05.38	+01 39 28.0	7 809
1993 SX ₁₁	1993 09 16.29688	00 13 18.07	+01 23 17.7	7 809	1993 SG ₁₂	* 1993 09 16.25521	00 14 55.74	+01 13 05.8	7 809
1993 SX ₁₁	1993 09 23.21076	00 07 06.14	+01 03 04.1	18.5 7 809	1993 SG ₁₂	1993 09 16.27604	00 14 54.77	+01 12 56.4	7 809

1993 SG ₁₂	1993 09 16.29688	00 14 53.95	+01 12 47.8		7 809	1993 SQ ₁₂	* 1993 09 16.25521	00 15 58.80	+03 27 17.5		7 809
1993 SG ₁₂	1993 09 23.21076	00 10 19.16	+00 23 13.8	18.3	7 809	1993 SQ ₁₂	1993 09 16.27604	00 15 57.66	+03 27 16.0		7 809
1993 SG ₁₂	1993 09 23.23160	00 10 18.30	+00 23 03.9		7 809	1993 SQ ₁₂	1993 09 16.29688	00 15 56.49	+03 27 16.5		7 809
1993 SG ₁₂	1993 09 23.25243	00 10 17.37	+00 22 54.7		7 809	1993 SQ ₁₂	1993 09 23.21076	00 10 04.79	+03 24 50.4	18.6	7 809
1993 SH ₁₂	* 1993 09 16.25521	00 15 01.95	+05 11 47.9		7 809	1993 SQ ₁₂	1993 09 23.23160	00 10 03.69	+03 24 50.2		7 809
1993 SH ₁₂	1993 09 16.27604	00 15 01.04	+05 11 45.2		7 809	1993 SQ ₁₂	1993 09 23.25243	00 10 02.56	+03 24 47.6		7 809
1993 SH ₁₂	1993 09 16.29688	00 14 59.89	+05 11 42.8		7 809	1993 SR ₁₂	* 1993 09 16.25521	00 16 03.12	+02 00 37.8		7 809
1993 SH ₁₂	1993 09 23.21076	00 09 14.06	+04 58 45.0	18.6	7 809	1993 SR ₁₂	1993 09 16.27604	00 16 02.00	+02 00 30.5		7 809
1993 SH ₁₂	1993 09 23.23160	00 09 12.94	+04 58 40.5		7 809	1993 SR ₁₂	1993 09 16.29688	00 16 00.74	+02 00 24.4		7 809
1993 SH ₁₂	1993 09 23.25243	00 09 11.90	+04 58 38.0		7 809	1993 SR ₁₂	1993 09 23.21076	00 09 36.69	+01 26 13.8	18.6	7 809
1993 SJ ₁₂	* 1993 09 16.25521	00 15 05.02	+03 44 52.0		7 809	1993 SR ₁₂	1993 09 23.23160	00 09 35.44	+01 26 06.6		7 809
1993 SJ ₁₂	1993 09 16.27604	00 15 03.63	+03 44 45.9		7 809	1993 SR ₁₂	1993 09 23.25243	00 09 34.14	+01 26 00.2		7 809
1993 SJ ₁₂	1993 09 16.29688	00 15 02.64	+03 44 39.6		7 809	1993 SS ₁₂	* 1993 09 16.25521	00 16 32.16	+05 25 10.3		7 809
1993 SJ ₁₂	1993 09 23.21076	00 08 52.75	+03 09 34.7	18.4	7 809	1993 SS ₁₂	1993 09 16.27604	00 16 31.07	+05 25 07.8		7 809
1993 SJ ₁₂	1993 09 23.23160	00 08 51.52	+03 09 25.5		7 809	1993 SS ₁₂	1993 09 16.29688	00 16 30.05	+05 25 04.8		7 809
1993 SJ ₁₂	1993 09 23.25243	00 08 50.40	+03 09 19.4		7 809	1993 SS ₁₂	1993 09 23.21076	00 10 39.75	+05 13 35.4	18.5	7 809
1993 SK ₁₂	* 1993 09 16.25521	00 15 18.97	+04 08 36.7		7 809	1993 SS ₁₂	1993 09 23.23160	00 10 38.78	+05 13 32.8		7 809
1993 SK ₁₂	1993 09 16.27604	00 15 17.88	+04 08 31.8		7 809	1993 SS ₁₂	1993 09 23.25243	00 10 37.58	+05 13 27.8		7 809
1993 SK ₁₂	1993 09 16.29688	00 15 16.73	+04 08 24.6		7 809	1993 ST ₁₂	* 1993 09 16.25521	00 16 45.92	+03 43 22.2		7 809
1993 SK ₁₂	1993 09 23.21076	00 08 51.52	+03 29 25.3	18.4	7 809	1993 ST ₁₂	1993 09 16.27604	00 16 44.89	+03 43 16.7		7 809
1993 SK ₁₂	1993 09 23.23160	00 08 50.25	+03 29 15.8		7 809	1993 ST ₁₂	1993 09 16.29688	00 16 43.92	+03 43 12.3		7 809
1993 SK ₁₂	1993 09 23.25243	00 08 48.97	+03 29 09.0		7 809	1993 ST ₁₂	1993 09 23.21076	00 11 36.15	+03 10 30.0	18.5	7 809
1993 SL ₁₂	* 1993 09 16.25521	00 15 21.92	+05 31 48.1		7 809	1993 ST ₁₂	1993 09 23.23160	00 11 35.03	+03 10 23.9		7 809
1993 SL ₁₂	1993 09 16.27604	00 15 20.71	+05 31 42.9		7 809	1993 ST ₁₂	1993 09 23.25243	00 11 34.12	+03 10 19.5		7 809
1993 SL ₁₂	1993 09 16.29688	00 15 19.46	+05 31 37.8		7 809	1993 SU ₁₂	* 1993 09 16.25521	00 17 21.64	+05 31 56.0		7 809
1993 SL ₁₂	1993 09 23.21076	00 08 32.67	+05 00 40.0	18.3	7 809	1993 SU ₁₂	1993 09 16.27604	00 17 20.30	+05 31 50.9		7 809
1993 SL ₁₂	1993 09 23.23160	00 08 31.42	+05 00 32.7		7 809	1993 SU ₁₂	1993 09 16.29688	00 17 19.11	+05 31 46.5		7 809
1993 SL ₁₂	1993 09 23.25243	00 08 30.12	+05 00 26.3		7 809	1993 SU ₁₂	1993 09 23.21076	00 10 25.20	+05 03 57.9	18.4	7 809
1993 SM ₁₂	* 1993 09 16.25521	00 15 23.51	+04 55 04.5		7 809	1993 SU ₁₂	1993 09 23.23160	00 10 23.97	+05 03 51.5		7 809
1993 SM ₁₂	1993 09 16.27604	00 15 22.54	+04 54 59.3		7 809	1993 SU ₁₂	1993 09 23.25243	00 10 22.52	+05 03 45.5		7 809
1993 SM ₁₂	1993 09 16.29688	00 15 21.65	+04 54 52.8		7 809	1993 SV ₁₂	* 1993 09 16.25521	00 17 24.59	+01 57 55.8		7 809
1993 SM ₁₂	1993 09 23.21076	00 10 08.65	+04 19 34.4	18.5	7 809	1993 SV ₁₂	1993 09 16.27604	00 17 23.52	+01 57 49.8		7 809
1993 SM ₁₂	1993 09 23.23160	00 10 07.68	+04 19 27.0		7 809	1993 SV ₁₂	1993 09 16.29688	00 17 22.49	+01 57 41.2		7 809
1993 SM ₁₂	1993 09 23.25243	00 10 06.63	+04 19 20.4		7 809	1993 SV ₁₂	1993 09 23.21076	00 12 03.34	+01 14 02.0	18.8	7 809
1993 SN ₁₂	* 1993 09 16.25521	00 15 32.40	+03 07 42.7		7 809	1993 SV ₁₂	1993 09 23.23160	00 12 02.19	+01 13 52.7		7 809
1993 SN ₁₂	1993 09 16.27604	00 15 31.37	+03 07 32.8		7 809	1993 SV ₁₂	1993 09 23.25243	00 12 01.12	+01 13 42.6		7 809
1993 SN ₁₂	1993 09 16.29688	00 15 30.12	+03 07 22.2		7 809	1993 SW ₁₂	* 1993 09 16.25521	00 17 39.91	+05 22 20.0		7 809
1993 SN ₁₂	1993 09 23.21076	00 09 21.88	+02 09 50.6	18.5	7 809	1993 SW ₁₂	1993 09 16.27604	00 17 38.73	+05 22 13.9		7 809
1993 SN ₁₂	1993 09 23.23160	00 09 20.73	+02 09 37.5		7 809	1993 SW ₁₂	1993 09 16.29688	00 17 37.64	+05 22 09.3		7 809
1993 SN ₁₂	1993 09 23.25243	00 09 19.47	+02 09 27.1		7 809	1993 SW ₁₂	1993 09 23.21076	00 11 52.95	+04 50 59.5	18.5	7 809
1993 SO ₁₂	* 1993 09 16.25521	00 15 39.93	+03 11 34.6		7 809	1993 SW ₁₂	1993 09 23.23160	00 11 51.83	+04 50 53.4		7 809
1993 SO ₁₂	1993 09 16.27604	00 15 38.91	+03 11 28.3		7 809	1993 SW ₁₂	1993 09 23.25243	00 11 50.67	+04 50 46.9		7 809
1993 SO ₁₂	1993 09 16.29688	00 15 37.97	+03 11 22.2		7 809	1993 SX ₁₂	* 1993 09 16.25521	00 17 46.98	+00 36 23.8		7 809
1993 SO ₁₂	1993 09 23.21076	00 10 09.84	+02 32 35.0	18.3	7 809	1993 SX ₁₂	1993 09 16.27604	00 17 45.50	+00 36 19.8		7 809
1993 SO ₁₂	1993 09 23.23160	00 10 08.69	+02 32 25.9		7 809	1993 SX ₁₂	1993 09 16.29688	00 17 44.19	+00 36 16.1		7 809
1993 SO ₁₂	1993 09 23.25243	00 10 07.61	+02 32 18.4		7 809	1993 SX ₁₂	1993 09 23.21076	00 10 15.72	+00 13 43.5	18.7	7 809
1993 SP ₁₂	* 1993 09 16.25521	00 15 58.21	+02 09 14.4		7 809	1993 SX ₁₂	1993 09 23.23160	00 10 14.44	+00 13 40.1		7 809
1993 SP ₁₂	1993 09 16.27604	00 15 57.13	+02 09 09.4		7 809	1993 SX ₁₂	1993 09 23.25243	00 10 13.02	+00 13 36.1		7 809
1993 SP ₁₂	1993 09 16.29688	00 15 56.11	+02 09 02.6		7 809	1993 SY ₁₂	* 1993 09 16.25521	00 17 57.81	+03 55 26.2		7 809
1993 SP ₁₂	1993 09 23.21076	00 10 35.95	+01 37 46.5	18.5	7 809	1993 SY ₁₂	1993 09 16.27604	00 17 56.97	+03 55 15.7		7 809
1993 SP ₁₂	1993 09 23.23160	00 10 34.86	+01 37 39.6		7 809	1993 SY ₁₂	1993 09 16.29688	00 17 56.12	+03 55 06.2		7 809
1993 SP ₁₂	1993 09 23.25243	00 10 33.76	+01 37 31.6		7 809	1993 SY ₁₂	1993 09 23.21076	00 13 14.64	+02 59 12.2	18.4	7 809

1993 SY ₁₂	1993 09 23.23160	00 13 13.59	+02 58 59.4	7 809	1993 SH ₁₃	1993 09 16.29688	00 19 01.89	+01 42 13.8	7 809
1993 SY ₁₂	1993 09 23.25243	00 13 12.70	+02 58 48.2	7 809	1993 SH ₁₃	1993 09 23.21076	00 14 26.53	+00 54 09.0	18.4 7 809
1993 SZ ₁₂	* 1993 09 16.25521	00 18 01.72	+02 16 12.2	7 809	1993 SH ₁₃	1993 09 23.23160	00 14 25.58	+00 54 00.6	7 809
1993 SZ ₁₂	1993 09 16.27604	00 18 01.01	+02 15 54.0	7 809	1993 SH ₁₃	1993 09 23.25243	00 14 24.66	+00 53 50.6	7 809
1993 SZ ₁₂	1993 09 16.29688	00 18 00.33	+02 15 36.4	7 809	1993 SJ ₁₃	* 1993 09 16.25521	00 19 15.50	+01 43 17.9	7 809
1993 SZ ₁₂	1993 09 23.21076	00 14 15.58	+00 32 53.6	18.0 7 809	1993 SJ ₁₃	1993 09 16.27604	00 19 14.58	+01 43 13.9	7 809
1993 SZ ₁₂	1993 09 23.23160	00 14 14.80	+00 32 33.3	7 809	1993 SJ ₁₃	1993 09 16.29688	00 19 13.39	+01 43 09.0	7 809
1993 SZ ₁₂	1993 09 23.25243	00 14 14.02	+00 32 14.1	7 809	1993 SJ ₁₃	1993 09 23.21076	00 13 25.53	+01 13 26.9	18.6 7 809
1993 SA ₁₃	* 1993 09 16.25521	00 18 02.65	+00 44 46.2	7 809	1993 SJ ₁₃	1993 09 23.23160	00 13 24.36	+01 13 20.0	7 809
1993 SA ₁₃	1993 09 16.27604	00 18 01.44	+00 44 41.9	7 809	1993 SJ ₁₃	1993 09 23.25243	00 13 23.10	+01 13 12.9	7 809
1993 SA ₁₃	1993 09 16.29688	00 18 00.14	+00 44 37.4	7 809	1993 SK ₁₃	* 1993 09 16.25521	00 19 17.98	+02 03 39.1	7 809
1993 SA ₁₃	1993 09 23.21076	00 11 25.20	+00 11 19.5	18.7 7 809	1993 SK ₁₃	1993 09 16.27604	00 19 17.13	+02 03 31.9	7 809
1993 SA ₁₃	1993 09 23.23160	00 11 24.01	+00 11 12.8	7 809	1993 SK ₁₃	1993 09 16.29688	00 19 16.18	+02 03 24.9	7 809
1993 SA ₁₃	1993 09 23.25243	00 11 22.67	+00 11 06.3	7 809	1993 SK ₁₃	1993 09 23.21076	00 13 57.82	+01 24 46.6	18.3 7 809
1993 SB ₁₃	* 1993 09 16.25521	00 18 12.89	+04 38 40.0	7 809	1993 SK ₁₃	1993 09 23.23160	00 13 56.78	+01 24 39.3	7 809
1993 SB ₁₃	1993 09 16.27604	00 18 11.87	+04 38 36.6	7 809	1993 SK ₁₃	1993 09 23.25243	00 13 55.71	+01 24 32.4	7 809
1993 SB ₁₃	1993 09 16.29688	00 18 10.90	+04 38 31.9	7 809	1993 SL ₁₃	* 1993 09 16.25521	00 19 19.79	+02 19 43.6	7 809
1993 SB ₁₃	1993 09 23.21076	00 12 54.21	+04 14 27.1	18.5 7 809	1993 SL ₁₃	1993 09 16.27604	00 19 18.95	+02 19 37.6	7 809
1993 SB ₁₃	1993 09 23.23160	00 12 53.13	+04 14 22.0	7 809	1993 SL ₁₃	1993 09 16.29688	00 19 17.88	+02 19 29.5	7 809
1993 SB ₁₃	1993 09 23.25243	00 12 52.15	+04 14 18.1	7 809	1993 SL ₁₃	1993 09 23.21076	00 13 56.47	+01 37 20.7	18.5 7 809
1993 SC ₁₃	* 1993 09 16.25521	00 18 20.64	+01 29 30.4	7 809	1993 SL ₁₃	1993 09 23.23160	00 13 55.33	+01 37 10.7	7 809
1993 SC ₁₃	1993 09 16.27604	00 18 19.41	+01 29 25.0	7 809	1993 SL ₁₃	1993 09 23.25243	00 13 54.30	+01 37 03.2	7 809
1993 SC ₁₃	1993 09 16.29688	00 18 18.24	+01 29 19.2	7 809	1993 SM ₁₃	* 1993 09 16.25521	00 19 57.37	+00 35 11.2	7 809
1993 SC ₁₃	1993 09 23.21076	00 11 53.99	+00 56 26.2	18.5 7 809	1993 SM ₁₃	1993 09 16.27604	00 19 56.20	+00 35 05.4	7 809
1993 SC ₁₃	1993 09 23.23160	00 11 52.88	+00 56 19.0	7 809	1993 SM ₁₃	1993 09 16.29688	00 19 55.03	+00 35 01.6	7 809
1993 SC ₁₃	1993 09 23.25243	00 11 51.52	+00 56 11.8	7 809	1993 SM ₁₃	1993 09 23.21076	00 13 55.51	+00 07 15.2	18.4 7 809
1993 SD ₁₃	* 1993 09 16.25521	00 18 21.17	+05 17 19.8	7 809	1993 SM ₁₃	1993 09 23.23160	00 13 54.33	+00 07 08.3	7 809
1993 SD ₁₃	1993 09 16.27604	00 18 20.13	+05 17 11.4	7 809	1993 SM ₁₃	1993 09 23.25243	00 13 53.13	+00 07 04.0	7 809
1993 SD ₁₃	1993 09 16.29688	00 18 19.25	+05 17 04.7	7 809	1993 SN ₁₃	* 1993 09 16.25521	00 20 02.51	+01 36 54.1	7 809
1993 SD ₁₃	1993 09 23.21076	00 13 14.21	+04 36 23.5	18.5 7 809	1993 SN ₁₃	1993 09 16.27604	00 20 01.37	+01 36 47.6	7 809
1993 SD ₁₃	1993 09 23.23160	00 13 13.25	+04 36 15.0	7 809	1993 SN ₁₃	1993 09 16.29688	00 20 00.33	+01 36 43.6	7 809
1993 SD ₁₃	1993 09 23.25243	00 13 12.15	+04 36 06.4	7 809	1993 SN ₁₃	1993 09 23.21076	00 13 44.91	+01 09 31.5	18.5 7 809
1993 SE ₁₃	* 1993 09 16.25521	00 18 45.24	+01 12 35.5	7 809	1993 SN ₁₃	1993 09 23.23160	00 13 43.66	+01 09 25.3	7 809
1993 SE ₁₃	1993 09 16.27604	00 18 44.22	+01 12 28.9	7 809	1993 SN ₁₃	1993 09 23.25243	00 13 42.42	+01 09 19.7	7 809
1993 SE ₁₃	1993 09 16.29688	00 18 43.26	+01 12 22.8	7 809	1993 SO ₁₃	* 1993 09 16.25521	00 20 08.95	+02 47 48.6	7 809
1993 SE ₁₃	1993 09 23.21076	00 13 50.26	+00 37 02.3	19.0 7 809	1993 SO ₁₃	1993 09 16.27604	00 20 07.97	+02 47 42.9	7 809
1993 SE ₁₃	1993 09 23.23160	00 13 49.14	+00 36 53.7	7 809	1993 SO ₁₃	1993 09 16.29688	00 20 07.04	+02 47 38.0	7 809
1993 SE ₁₃	1993 09 23.25243	00 13 48.34	+00 36 47.6	7 809	1993 SO ₁₃	1993 09 23.21076	00 14 58.26	+02 18 51.8	18.1 7 809
1993 SF ₁₃	* 1993 09 16.25521	00 18 49.40	+03 15 35.8	7 809	1993 SO ₁₃	1993 09 23.23160	00 14 57.24	+02 18 45.4	7 809
1993 SF ₁₃	1993 09 16.27604	00 18 48.52	+03 15 30.2	7 809	1993 SO ₁₃	1993 09 23.25243	00 14 56.23	+02 18 40.1	7 809
1993 SF ₁₃	1993 09 16.29688	00 18 47.57	+03 15 25.4	7 809	1993 SP ₁₃	* 1993 09 16.25521	00 20 16.50	+02 06 55.2	7 809
1993 SF ₁₃	1993 09 23.21076	00 14 02.32	+02 48 06.5	18.4 7 809	1993 SP ₁₃	1993 09 16.27604	00 20 15.47	+02 06 48.9	7 809
1993 SF ₁₃	1993 09 23.23160	00 14 01.43	+02 47 59.7	7 809	1993 SP ₁₃	1993 09 16.29688	00 20 14.60	+02 06 43.3	7 809
1993 SF ₁₃	1993 09 23.25243	00 14 00.50	+02 47 54.6	7 809	1993 SP ₁₃	1993 09 23.21076	00 15 15.23	+01 33 27.5	18.5 7 809
1993 SG ₁₃	* 1993 09 16.25521	00 18 58.21	+04 54 49.6	7 809	1993 SP ₁₃	1993 09 23.23160	00 15 14.16	+01 33 19.6	7 809
1993 SG ₁₃	1993 09 16.27604	00 18 57.42	+04 54 37.9	7 809	1993 SP ₁₃	1993 09 23.25243	00 15 13.18	+01 33 14.5	7 809
1993 SG ₁₃	1993 09 16.29688	00 18 56.51	+04 54 28.3	7 809	1993 SQ ₁₃	* 1993 09 16.25521	00 20 40.87	+00 53 43.8	7 809
1993 SG ₁₃	1993 09 23.21076	00 14 19.83	+03 58 01.3	18.3 7 809	1993 SQ ₁₃	1993 09 16.27604	00 20 39.80	+00 53 35.5	7 809
1993 SG ₁₃	1993 09 23.23160	00 14 18.83	+03 57 49.5	7 809	1993 SQ ₁₃	1993 09 16.29688	00 20 38.71	+00 53 29.9	7 809
1993 SG ₁₃	1993 09 23.25243	00 14 17.92	+03 57 39.8	7 809	1993 SQ ₁₃	1993 09 23.21076	00 15 11.30	+00 18 54.0	18.5 7 809
1993 SH ₁₃	* 1993 09 16.25521	00 19 03.58	+01 42 30.2	7 809	1993 SQ ₁₃	1993 09 23.23160	00 15 10.23	+00 18 47.6	7 809
1993 SH ₁₃	1993 09 16.27604	00 19 02.69	+01 42 20.1	7 809	1993 SQ ₁₃	1993 09 23.25243	00 15 09.34	+00 18 40.1	7 809

1993 SR ₁₃	* 1993 09 16.25521	00 21 27.30	+01 12 03.1		7 809	1993 SY ₁₃	1993 09 23.23160	00 19 23.35	+00 27 14.1		7 809
1993 SR ₁₃	1993 09 16.27604	00 21 26.22	+01 11 58.3		7 809	1993 SY ₁₃	1993 09 23.25243	00 19 22.19	+00 27 10.4		7 809
1993 SR ₁₃	1993 09 16.29688	00 21 25.36	+01 11 53.6		7 809	1993 SZ ₁₃	* 1993 09 16.25521	00 24 56.65	+01 12 07.7		7 809
1993 SR ₁₃	1993 09 23.21076	00 16 16.60	+00 40 16.3	18.7	7 809	1993 SZ ₁₃	1993 09 16.27604	00 24 55.64	+01 11 55.1		7 809
1993 SR ₁₃	1993 09 23.23160	00 16 15.65	+00 40 11.9		7 809	1993 SZ ₁₃	1993 09 16.29688	00 24 54.70	+01 11 45.0		7 809
1993 SR ₁₃	1993 09 23.25243	00 16 14.68	+00 40 05.9		7 809	1993 SZ ₁₃	1993 09 23.21076	00 19 49.87	+00 04 51.2	18.5	7 809
1993 SS ₁₃	* 1993 09 16.25521	00 21 29.51	+02 15 00.8		7 809	1993 SZ ₁₃	1993 09 23.23160	00 19 48.70	+00 04 37.9		7 809
1993 SS ₁₃	1993 09 16.27604	00 21 28.41	+02 14 53.7		7 809	1993 SZ ₁₃	1993 09 23.25243	00 19 47.65	+00 04 26.7		7 809
1993 SS ₁₃	1993 09 16.29688	00 21 27.57	+02 14 50.4		7 809	1993 SA ₁₄	* 1993 09 16.25521	00 25 12.42	+02 25 37.5	18.0	7 809
1993 SS ₁₃	1993 09 23.21076	00 16 36.27	+01 45 35.4	18.6	7 809	1993 SA ₁₄	1993 09 16.27604	00 25 10.34	+02 25 49.5		7 809
1993 SS ₁₃	1993 09 23.23160	00 16 35.26	+01 45 30.4		7 809	1993 SA ₁₄	1993 09 16.29688	00 25 08.31	+02 26 00.7		7 809
1993 SS ₁₃	1993 09 23.25243	00 16 34.34	+01 45 24.4		7 809	1993 SA ₁₄	1993 09 17.21944	00 23 39.90	+02 34 42.1	18.0	4 809
1993 ST ₁₃	* 1993 09 16.25521	00 21 42.29	+01 25 59.7		7 809	1993 SA ₁₄	1993 09 17.22986	00 23 38.85	+02 34 48.2		4 809
1993 ST ₁₃	1993 09 16.27604	00 21 41.45	+01 25 52.3		7 809	1993 SA ₁₄	1993 09 17.24028	00 23 37.71	+02 34 53.6		4 809
1993 ST ₁₃	1993 09 16.29688	00 21 40.45	+01 25 43.2		7 809	1993 SA ₁₄	1993 09 23.21076	00 13 37.64	+03 29 56.7	18.0	7 809
1993 ST ₁₃	1993 09 23.21076	00 16 37.85	+00 35 28.4	18.5	7 809	1993 SA ₁₄	1993 09 23.23160	00 13 35.38	+03 30 06.5		7 809
1993 ST ₁₃	1993 09 23.23160	00 16 36.79	+00 35 19.4		7 809	1993 SA ₁₄	1993 09 23.25243	00 13 33.12	+03 30 17.8		7 809
1993 ST ₁₃	1993 09 23.25243	00 16 35.83	+00 35 09.6		7 809	1993 SB ₁₄	1993 09 15.13056	00 26 26.17	+02 44 48.3	18.1	4 809
1993 SU ₁₃	* 1993 09 16.25521	00 22 11.34	+02 25 44.6		7 809	1993 SB ₁₄	1993 09 15.14097	00 26 25.82	+02 44 41.7		4 809
1993 SU ₁₃	1993 09 16.27604	00 22 10.27	+02 25 39.3		7 809	1993 SB ₁₄	1993 09 15.15139	00 26 25.42	+02 44 33.8		4 809
1993 SU ₁₃	1993 09 16.29688	00 22 09.39	+02 25 35.0		7 809	1993 SB ₁₄	* 1993 09 16.25521	00 25 50.04	+02 32 24.3		7 809
1993 SU ₁₃	1993 09 23.21076	00 16 36.10	+01 56 24.0	18.5	7 809	1993 SB ₁₄	1993 09 16.27604	00 25 49.31	+02 32 11.4		7 809
1993 SU ₁₃	1993 09 23.23160	00 16 34.95	+01 56 17.0		7 809	1993 SB ₁₄	1993 09 16.29688	00 25 48.49	+02 31 57.1		7 809
1993 SU ₁₃	1993 09 23.25243	00 16 33.83	+01 56 10.8		7 809	1993 SB ₁₄	1993 09 23.21076	00 21 48.58	+01 13 25.2	18.3	7 809
1993 SV ₁₃	* 1993 09 16.25521	00 24 31.66	+01 37 40.7		7 809	1993 SB ₁₄	1993 09 23.23160	00 21 47.76	+01 13 10.2		7 809
1993 SV ₁₃	1993 09 16.27604	00 24 30.40	+01 37 36.2		7 809	1993 SB ₁₄	1993 09 23.25243	00 21 46.92	+01 12 55.9		7 809
1993 SV ₁₃	1993 09 16.29688	00 24 29.24	+01 37 28.5		7 809	1993 SC ₁₄	* 1993 09 16.25521	00 25 53.97	+01 27 58.9		7 809
1993 SV ₁₃	1993 09 23.21076	00 18 02.43	+01 03 44.7	18.6	7 809	1993 SC ₁₄	1993 09 16.27604	00 25 52.85	+01 27 50.1		7 809
1993 SV ₁₃	1993 09 23.23160	00 18 01.15	+01 03 36.7		7 809	1993 SC ₁₄	1993 09 16.29688	00 25 51.72	+01 27 43.2		7 809
1993 SV ₁₃	1993 09 23.25243	00 17 59.73	+01 03 29.0		7 809	1993 SC ₁₄	1993 09 23.21076	00 19 42.99	+00 40 37.4	18.5	7 809
1993 SW ₁₃	1993 09 15.13056	00 25 44.09	+04 27 41.8	18.5	4 809	1993 SC ₁₄	1993 09 23.23160	00 19 41.76	+00 40 27.4		7 809
1993 SW ₁₃	1993 09 15.14097	00 25 43.77	+04 27 42.6		4 809	1993 SC ₁₄	1993 09 23.25243	00 19 40.43	+00 40 19.0		7 809
1993 SW ₁₃	1993 09 15.15139	00 25 43.35	+04 27 43.3		4 809	1993 SD ₁₄	1993 09 15.13056	00 26 45.18	+02 39 47.6	18.0	4 809
1993 SW ₁₃	* 1993 09 16.25521	00 24 37.39	+04 28 02.6		7 809	1993 SD ₁₄	1993 09 15.14097	00 26 44.62	+02 39 45.9		4 809
1993 SW ₁₃	1993 09 16.27604	00 24 36.05	+04 28 04.1		7 809	1993 SD ₁₄	1993 09 15.15139	00 26 44.16	+02 39 43.1		4 809
1993 SW ₁₃	1993 09 16.29688	00 24 34.57	+04 28 06.3		7 809	1993 SD ₁₄	* 1993 09 16.25521	00 25 55.19	+02 36 29.5		7 809
1993 SW ₁₃	1993 09 17.21944	00 23 38.77	+04 28 18.7		4 809	1993 SD ₁₄	1993 09 16.27604	00 25 54.20	+02 36 26.0		7 809
1993 SW ₁₃	1993 09 17.22986	00 23 38.05	+04 28 19.0		4 809	1993 SD ₁₄	1993 09 16.29688	00 25 53.22	+02 36 22.8		7 809
1993 SW ₁₃	1993 09 17.24028	00 23 37.22	+04 28 17.8		4 809	1993 SD ₁₄	1993 09 17.21944	00 25 11.81	+02 33 43.8		4 809
1993 SW ₁₃	1993 09 23.21076	00 17 15.24	+04 27 55.0	18.5	7 809	1993 SD ₁₄	1993 09 17.22986	00 25 11.26	+02 33 41.6		4 809
1993 SW ₁₃	1993 09 23.23160	00 17 13.81	+04 27 55.0		7 809	1993 SD ₁₄	1993 09 17.24028	00 25 10.70	+02 33 40.2		4 809
1993 SW ₁₃	1993 09 23.25243	00 17 12.33	+04 27 53.2		7 809	1993 SD ₁₄	1993 09 23.21076	00 20 33.31	+02 15 20.8	18.1	7 809
1993 SX ₁₃	* 1993 09 16.25521	00 24 38.67	+02 39 20.6		7 809	1993 SD ₁₄	1993 09 23.23160	00 20 32.24	+02 15 16.2		7 809
1993 SX ₁₃	1993 09 16.27604	00 24 37.49	+02 39 18.0		7 809	1993 SD ₁₄	1993 09 23.25243	00 20 31.19	+02 15 12.2		7 809
1993 SX ₁₃	1993 09 16.29688	00 24 36.33	+02 39 11.4		7 809	1993 SE ₁₄	* 1993 09 16.25521	00 26 23.20	+02 12 01.3		7 809
1993 SX ₁₃	1993 09 23.21076	00 18 05.30	+02 10 11.8	19.0	7 809	1993 SE ₁₄	1993 09 16.27604	00 26 21.94	+02 11 56.4		7 809
1993 SX ₁₃	1993 09 23.23160	00 18 03.85	+02 10 05.8		7 809	1993 SE ₁₄	1993 09 16.29688	00 26 20.66	+02 11 52.2		7 809
1993 SX ₁₃	1993 09 23.25243	00 18 02.65	+02 10 01.0		7 809	1993 SE ₁₄	1993 09 23.21076	00 19 26.01	+01 47 08.7	18.6	7 809
1993 SY ₁₃	* 1993 09 16.25521	00 24 47.02	+00 47 34.6		7 809	1993 SE ₁₄	1993 09 23.23160	00 19 24.71	+01 47 04.8		7 809
1993 SY ₁₃	1993 09 16.27604	00 24 45.98	+00 47 30.2		7 809	1993 SE ₁₄	1993 09 23.25243	00 19 23.27	+01 46 59.4		7 809
1993 SY ₁₃	1993 09 16.29688	00 24 45.00	+00 47 27.9		7 809	1993 SF ₁₄	* 1993 09 16.25521	00 26 32.89	+01 50 02.9		7 809
1993 SY ₁₃	1993 09 23.21076	00 19 24.39	+00 27 18.6	18.3	7 809	1993 SF ₁₄	1993 09 16.27604	00 26 31.73	+01 50 01.3		7 809

1993 SF ₁₄	1993 09 16.29688	00 26 30.75	+01 49 58.0		7 809	1993 SN ₁₄	1993 09 23.21076	00 22 59.36	+03 43 03.1	18.6	7 809
1993 SF ₁₄	1993 09 23.21076	00 20 43.95	+01 39 13.0	19.2	7 809	1993 SN ₁₄	1993 09 23.23160	00 22 58.23	+03 43 00.6		7 809
1993 SF ₁₄	1993 09 23.23160	00 20 42.74	+01 39 08.5		7 809	1993 SN ₁₄	1993 09 23.25243	00 22 57.13	+03 42 55.7		7 809
1993 SF ₁₄	1993 09 23.25243	00 20 41.69	+01 39 07.3		7 809	1993 SO ₁₄	* 1993 09 16.25521	00 29 32.20	+02 47 33.5		7 809
1993 SG ₁₄	* 1993 09 16.25521	00 26 45.26	+04 36 01.1		7 809	1993 SO ₁₄	1993 09 16.27604	00 29 31.05	+02 47 24.6		7 809
1993 SG ₁₄	1993 09 16.27604	00 26 44.03	+04 35 54.8		7 809	1993 SO ₁₄	1993 09 16.29688	00 29 30.00	+02 47 16.4		7 809
1993 SG ₁₄	1993 09 16.29688	00 26 43.12	+04 35 49.8		7 809	1993 SO ₁₄	1993 09 23.21076	00 23 15.56	+01 57 12.1	19.2	7 809
1993 SG ₁₄	1993 09 23.21076	00 21 03.99	+03 58 46.0	18.5	7 809	1993 SO ₁₄	1993 09 23.23160	00 23 14.40	+01 57 04.5		7 809
1993 SG ₁₄	1993 09 23.23160	00 21 02.83	+03 58 37.7		7 809	1993 SO ₁₄	1993 09 23.25243	00 23 13.06	+01 56 54.1		7 809
1993 SG ₁₄	1993 09 23.25243	00 21 01.74	+03 58 31.1		7 809	1994 TG ₂	* 1994 10 08.03252	23 28 44.71	-03 25 44.2	24 R	5 809
1993 SH ₁₄	* 1993 09 16.25521	00 27 03.78	+01 35 59.3		7 809	1994 TG ₂	1994 10 08.20222	23 28 44.02	-03 25 48.3		5 809
1993 SH ₁₄	1993 09 16.27604	00 27 02.61	+01 35 55.7		7 809	1994 TG ₂	1994 10 08.29374	23 28 43.60	-03 25 50.7		5 809
1993 SH ₁₄	1993 09 16.29688	00 27 01.54	+01 35 52.1		7 809	1994 TG ₂	1994 10 09.05738	23 28 40.56	-03 26 10.4		5 809
1993 SH ₁₄	1993 09 23.21076	00 21 19.00	+01 14 46.1	18.4	7 809	1994 TG ₂	1994 10 09.15667	23 28 40.10	-03 26 12.8		5 809
1993 SH ₁₄	1993 09 23.23160	00 21 17.83	+01 14 40.7		7 809	1994 TG ₂	1994 10 09.28323	23 28 39.60	-03 26 15.6		5 809
1993 SH ₁₄	1993 09 23.25243	00 21 16.61	+01 14 36.3		7 809	4038 P-L	1993 09 16.25521	00 22 51.16	+04 49 34.2		7 809
1993 SJ ₁₄	1993 09 15.13056	00 28 08.91	+02 40 46.1	18.4	4 809	4038 P-L	1993 09 16.27604	00 22 50.12	+04 49 28.1		7 809
1993 SJ ₁₄	1993 09 15.14097	00 28 08.28	+02 40 43.4		4 809	4038 P-L	1993 09 16.29688	00 22 48.96	+04 49 22.2		7 809
1993 SJ ₁₄	1993 09 15.15139	00 28 07.66	+02 40 40.1		4 809	4038 P-L	1993 09 23.21076	00 16 32.42	+04 12 49.6	18.4	7 809
1993 SJ ₁₄	* 1993 09 16.25521	00 27 10.80	+02 35 46.3		7 809	4038 P-L	1993 09 23.23160	00 16 31.10	+04 12 41.7		7 809
1993 SJ ₁₄	1993 09 16.27604	00 27 09.62	+02 35 42.1		7 809	4038 P-L	1993 09 23.25243	00 16 29.87	+04 12 34.4		7 809
1993 SJ ₁₄	1993 09 16.29688	00 27 08.45	+02 35 35.6		7 809	4276 P-L	1993 09 23.21076	00 23 46.87	+04 02 51.4	18.5	7 809
1993 SJ ₁₄	1993 09 17.21944	00 26 20.32	+02 31 29.8		4 809	4276 P-L	1993 09 23.23160	00 23 45.60	+04 02 45.2		7 809
1993 SJ ₁₄	1993 09 17.22986	00 26 19.65	+02 31 26.1		4 809	4276 P-L	1993 09 23.25243	00 23 44.16	+04 02 39.5		7 809
1993 SJ ₁₄	1993 09 17.24028	00 26 19.05	+02 31 23.3		4 809	1181 T-1	1993 09 14.24549	23 30 50.43	-00 33 22.5	18.3	7 809
1993 SJ ₁₄	1993 09 23.21076	00 20 57.18	+02 03 39.1	18.7	7 809	1181 T-1	1993 09 14.26632	23 30 49.36	-00 33 29.0		7 809
1993 SJ ₁₄	1993 09 23.23160	00 20 55.92	+02 03 33.5		7 809	1181 T-1	1993 09 14.28715	23 30 48.34	-00 33 34.9		7 809
1993 SJ ₁₄	1993 09 23.25243	00 20 54.74	+02 03 27.1		7 809	1181 T-1	1993 09 19.22535	23 26 57.19	-00 54 16.5		7 809
1993 SK ₁₄	* 1993 09 16.25521	00 27 36.60	+01 35 33.0		7 809	1181 T-1	1993 09 19.24618	23 26 56.15	-00 54 22.8		7 809
1993 SK ₁₄	1993 09 16.27604	00 27 35.62	+01 35 22.7		7 809	1181 T-1	1993 09 19.26701	23 26 55.12	-00 54 27.5		7 809
1993 SK ₁₄	1993 09 16.29688	00 27 34.62	+01 35 14.3		7 809	2040 T-2	1993 09 14.24549	23 31 52.69	+00 12 10.6	18.3	7 809
1993 SK ₁₄	1993 09 23.21076	00 22 24.98	+00 40 22.9	18.3	7 809	2040 T-2	1993 09 14.26632	23 31 51.73	+00 11 59.9		7 809
1993 SK ₁₄	1993 09 23.23160	00 22 23.93	+00 40 13.1		7 809	2040 T-2	1993 09 14.28715	23 31 50.82	+00 11 51.8		7 809
1993 SK ₁₄	1993 09 23.25243	00 22 22.87	+00 40 03.2		7 809	2040 T-2	1993 09 19.22535	23 28 17.83	-00 23 19.3		7 809
1993 SL ₁₄	* 1993 09 16.25521	00 28 10.99	+01 43 05.9		7 809	2040 T-2	1993 09 19.24618	23 28 16.86	-00 23 30.5		7 809
1993 SL ₁₄	1993 09 16.27604	00 28 09.95	+01 42 58.5		7 809	2040 T-2	1993 09 19.26701	23 28 15.99	-00 23 37.9		7 809
1993 SL ₁₄	1993 09 16.29688	00 28 09.05	+01 42 51.9		7 809	2104 T-2	1993 09 16.25521	00 26 52.83	+04 47 55.7		7 809
1993 SL ₁₄	1993 09 23.21076	00 22 55.44	+01 00 27.1	18.4	7 809	2104 T-2	1993 09 16.27604	00 26 51.80	+04 47 48.2		7 809
1993 SL ₁₄	1993 09 23.23160	00 22 54.37	+01 00 19.1		7 809	2104 T-2	1993 09 16.29688	00 26 50.90	+04 47 45.3		7 809
1993 SL ₁₄	1993 09 23.25243	00 22 53.31	+01 00 10.3		7 809	2104 T-2	1993 09 23.21076	00 21 42.88	+04 14 20.4	18.4	7 809
1993 SM ₁₄	* 1993 09 16.25521	00 28 24.05	+01 05 48.0		7 809	2104 T-2	1993 09 23.23160	00 21 41.74	+04 14 13.8		7 809
1993 SM ₁₄	1993 09 16.27604	00 28 22.79	+01 05 45.1		7 809	2104 T-2	1993 09 23.25243	00 21 40.74	+04 14 06.3		7 809
1993 SM ₁₄	1993 09 16.29688	00 28 21.58	+01 05 42.3		7 809	(75)	1993 09 16.25521	00 30 23.58	+03 27 24.3		7 809
1993 SM ₁₄	1993 09 23.21076	00 22 01.32	+00 50 20.8	18.5	7 809	(75)	1993 09 16.27604	00 30 22.48	+03 27 24.7		7 809
1993 SM ₁₄	1993 09 23.23160	00 22 00.05	+00 50 18.2		7 809	(75)	1993 09 16.29688	00 30 21.35	+03 27 25.4		7 809
1993 SM ₁₄	1993 09 23.25243	00 21 58.77	+00 50 14.4		7 809	(189)	1993 09 23.21076	00 17 33.99	+05 17 20.0	15.0	7 809
1993 SN ₁₄	* 1993 09 16.25521	00 28 49.53	+04 06 32.5		7 809	(189)	1993 09 23.23160	00 17 32.85	+05 17 10.1		7 809
1993 SN ₁₄	1993 09 16.27604	00 28 48.34	+04 06 28.1		7 809	(189)	1993 09 23.25243	00 17 31.76	+05 17 00.0		7 809
1993 SN ₁₄	1993 09 16.29688	00 28 47.27	+04 06 25.1		7 809	(461)	1993 09 14.24549	23 44 10.96	-02 22 09.9	17.0	7 809
1993 SN ₁₄	1993 09 17.21944	00 28 02.65	+04 03 30.7		4 809	(461)	1993 09 14.26632	23 44 09.91	-02 22 17.0		7 809
1993 SN ₁₄	1993 09 17.22986	00 28 02.14	+04 03 28.0		4 809	(461)	1993 09 14.28715	23 44 08.94	-02 22 23.3		7 809
1993 SN ₁₄	1993 09 17.24028	00 28 01.50	+04 03 26.1		4 809	(846)	1993 09 14.24549	23 36 56.11	-02 01 37.3	16.0	7 809

(846)	1993 09 14.26632	23 36 55.11	-02 01 43.7	7 809	(3957)	1993 09 16.29688	00 29 36.68	+03 07 01.4	7 809
(846)	1993 09 14.28715	23 36 54.08	-02 01 49.8	7 809	(4030)	1993 09 14.24549	23 34 57.69	-00 28 14.4	18.0 7 809
(846)	1993 09 19.22535	23 33 12.90	-02 25 36.6	7 809	(4030)	1993 09 14.26632	23 34 56.38	-00 28 17.9	7 809
(846)	1993 09 19.24618	23 33 11.90	-02 25 42.3	7 809	(4030)	1993 09 14.28715	23 34 55.08	-00 28 21.6	7 809
(846)	1993 09 19.26701	23 33 10.88	-02 25 48.6	7 809	(4030)	1993 09 19.22535	23 30 03.97	-00 42 43.8	7 809
(1002)	1993 09 14.24549	23 39 21.26	+01 16 19.7	16.5 7 809	(4030)	1993 09 19.24618	23 30 02.69	-00 42 47.3	7 809
(1002)	1993 09 14.26632	23 39 19.97	+01 16 18.6	7 809	(4030)	1993 09 19.26701	23 30 01.41	-00 42 51.4	7 809
(1002)	1993 09 14.28715	23 39 18.67	+01 16 18.5	7 809	(4102)	1993 09 14.24549	23 40 28.98	+00 51 59.0	18.0 7 809
(1002)	1993 09 19.22535	23 34 31.59	+01 14 54.9	7 809	(4102)	1993 09 14.26632	23 40 28.01	+00 51 49.7	7 809
(1002)	1993 09 19.24618	23 34 30.37	+01 14 53.7	7 809	(4102)	1993 09 14.28715	23 40 27.10	+00 51 40.2	7 809
(1002)	1993 09 19.26701	23 34 29.13	+01 14 53.2	7 809	(4102)	1993 09 19.22535	23 37 00.47	+00 15 17.2	7 809
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(1698)	1993 09 16.25521	00 26 35.79	+01 54 22.6	7 809	(4216)	1993 09 23.23160	00 07 50.52	+03 48 00.6	7 809
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(1698)	1993 09 23.21076	00 21 42.28	+01 24 46.2	18.0 7 809	(4240)	1993 09 14.26632	23 48 51.92	-00 05 00.3	7 809
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(1698)	1993 09 23.25243	00 21 40.35	+01 24 35.1	7 809	(4240)	1993 09 19.22535	23 44 59.12	-00 27 59.5	7 809
(2348)	1993 09 16.25521	00 16 41.21	+02 43 31.4	7 809	(4240)	1993 09 19.24618	23 44 58.12	-00 28 06.0	7 809
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(2593)	1993 09 16.25521	00 26 31.42	+02 29 59.9	7 809	(4744)	1993 09 19.24618	23 31 15.27	-01 37 50.4	7 809
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(2593)	1993 09 23.25243	00 19 48.32	+01 46 49.0	7 809	(4887)	1993 09 23.21076	00 10 00.05	+02 41 42.3	18.3 7 809
(3021)	1993 09 14.24549	23 35 19.10	-03 01 57.6	18.0 7 809	(4887)	1993 09 23.23160	00 09 59.03	+02 41 35.4	7 809
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(3021)	1993 09 14.28715	23 35 16.66	-03 02 00.3	7 809	(5770)	1993 09 14.24549	23 33 22.90	-03 30 19.9	18.3 7 809
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(3693)	1993 09 16.25521	00 13 25.14	+01 12 20.5	7 809	(5770)	1993 09 19.24618	23 29 44.29	-03 53 23.4	7 809
(3693)	1993 09 16.27604	00 13 24.40	+01 12 06.4	7 809	(5770)	1993 09 19.26701	23 29 43.27	-03 53 28.9	7 809
(3693)	1993 09 16.29688	00 13 23.59	+01 11 52.4	7 809	(5790)	1993 09 16.25521	00 21 36.24	+01 07 19.0	7 809
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(3931)	1993 09 14.28715	23 39 23.55	+00 44 24.2	7 809	(5790)	1993 09 23.21076	00 15 39.05	+00 38 12.0	18.2 7 809
(3931)	1993 09 19.22535	23 34 40.27	+00 21 52.4	7 809	(5790)	1993 09 23.23160	00 15 37.84	+00 38 06.1	7 809
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(3931)	1993 09 19.26701	23 34 37.79	+00 21 39.3	7 809					
(3957)	1993 09 16.25521	00 29 38.52	+03 07 17.6	7 809					
(3957)	1993 09 16.27604	00 29 37.58	+03 07 09.4	7 809					

816 Rand Observatory

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 [73023.561@compuserve.com]

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

1985 CZ ₁	1994 10 03.26099	01 48 16.82	+22 09 16.7	16.8 V	W 816
1985 CZ ₁	1994 10 03.27127	01 48 16.28	+22 09 16.0	16.8 V	W 816
1985 CZ ₁	1994 10 03.27531	01 48 16.06	+22 09 15.6	16.7 V	W 816
1987 SF ₇	1994 10 03.29766	21 47 33.00	+31 32 52.9	16.6 V	816
1987 SF ₇	1994 10 03.30279	21 47 32.92	+31 32 49.8	16.6 V	816
1987 SF ₇	1994 10 03.31086	21 47 32.81	+31 32 46.0	16.3 V	816
1988 CT ₅	1994 10 03.34174	00 20 57.55	+22 49 04.1	15.4 V	816
1988 CT ₅	1994 10 03.35134	00 20 56.92	+22 49 03.0	15.3 V	816
1988 CT ₅	1994 10 03.35554	00 20 56.66	+22 49 02.3	15.4 V	816
1990 RD ₉	1994 10 03.22841	23 02 15.26	+11 21 44.4	16.8 V	V 816
1990 RD ₉	1994 10 03.23129	23 02 15.08	+11 21 43.0	16.6 V	V 816
1994 PL	1994 10 03.18506	23 50 53.06	+28 38 16.3	15.7 V	816
1994 PL	1994 10 03.19895	23 50 52.62	+28 37 55.1	15.6 V	816
1994 PL	1994 10 03.20124	23 50 52.57	+28 37 51.6	15.6 V	816
(895)	1994 09 10.27883	00 41 09.29	+41 38 08.4	12.9 V	816
(895)	1994 09 10.28020	00 41 09.24	+41 38 08.5	12.9 V	816
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(1620)	1994 09 05.13471	21 28 35.96	-03 00 52.3	11.6 V	816
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(6094)	1994 09 10.25333	23 49 11.89	+14 30 03.9	16.0 V	816

817 Sudbury

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

[d Cicco@cfa.harvard.edu]

0.28-m Schmidt-Cassegrain + CCD

GSC

1994 TV ₁	* 1994 10 08.15881	23 07 34.41	-10 23 07.2	17.5 R	817
1994 TV ₁	1994 10 08.16912	23 07 34.08	-10 23 09.9	17.9 R	817
1994 TV ₁	1994 10 08.17941	23 07 33.68	-10 23 10.5	17.6 R	817
1994 TV ₁	1994 10 08.18970	23 07 33.32	-10 23 11.8	17.8 R	817
1994 TV ₁	1994 10 09.99668	23 06 41.74	-10 27 13.9	18.3 R	817
1994 TV ₁	1994 10 10.02426	23 06 40.87	-10 27 16.6	18.5 R	817
1994 TV ₁	1994 10 11.03206	23 06 13.78	-10 29 18.2	18.7 R	817
1994 TV ₁	1994 10 11.04236	23 06 13.42	-10 29 20.0	18.8 R	817
1994 TV ₁	1994 10 11.05265	23 06 13.11	-10 29 21.2	18.7 R	817
1994 TV ₁	1994 10 11.06294	23 06 12.90	-10 29 22.5	18.6 R	817
1994 TV ₁	1994 10 11.07325	23 06 12.56	-10 29 22.8	18.7 R	817
1994 TV ₁	1994 10 11.10961	23 06 11.58	-10 29 28.3	18.5 R	817
1994 TV ₁	1994 10 11.13019	23 06 11.02	-10 29 29.7	18.5 R	817
(2897)	1994 10 08.10486	22 59 58.84	-14 32 04.8	17.2 R	817
(2897)	1994 10 08.11515	22 59 58.37	-14 32 05.7	17.4 R	817
(2897)	1994 10 08.12545	22 59 57.95	-14 32 06.4	17.1 R	817
(2897)	1994 10 08.13575	22 59 57.56	-14 32 06.1	17.2 R	817
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(3226)	1994 10 08.16912	23 07 22.12	-10 27 27.3	17.8 R	817

(3226)	1994 10 08.17941	23 07 21.77	-10 27 26.5	17.6 R	817
(3226)	1994 10 08.18970	23 07 21.47	-10 27 29.1	17.4 R	817
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(3226)	1994 10 11.11990	23 05 55.21	-10 33 55.6	18.0 R	817
(3226)	1994 10 11.13019	23 05 54.83	-10 33 57.3	18.2 R	817
(4726)	1994 10 08.21187	01 37 54.12	+13 37 48.8	16.5 R	817
(4726)	1994 10 08.22218	01 37 53.66	+13 37 46.4	16.4 R	817
(4726)	1994 10 08.23249	01 37 53.10	+13 37 43.0	16.5 R	817

868 Hidaka Observatory

S. Shirai, 13-2, Nishi-Kagaya 2 Chome, Suminoe-Ku, Osaka 559, Japan

Observer S. Shirai

Measurer S. Hayakawa

0.25-m $f/3.4$ hyperboloid astrocamera

GSC

1983 XG	1994 10 01.72399	02 10 27.85	+13 38 28.1	16.5	868
1983 XG	1994 10 01.74802	02 10 27.02	+13 38 20.7		868
1983 XG	1994 10 02.73363	02 09 55.15	+13 33 45.8		868
1983 XG	1994 10 02.76005	02 09 54.25	+13 33 37.2		868
(5945)	1994 10 01.72399	02 12 56.31	+13 27 44.5	15.5	868
(5945)	1994 10 01.74802	02 12 54.98	+13 27 43.2		868
(5945)	1994 10 02.73363	02 12 05.69	+13 26 57.4		868
(5945)	1994 10 02.76005	02 12 04.24	+13 26 55.5		868

894 Otomo

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

407-03, Japan

0.25-m $f/3.4$ reflector

PPM

1991 UV	1994 07 28.64722	20 31 33.52	-14 45 23.0	15.5	894
1991 UV	1994 07 28.66389	20 31 32.49	-14 45 25.7		894
1994 RJ ₁₁	* 1994 09 11.67257	23 19 35.05	-03 32 38.9	16.5	894
1994 RJ ₁₁	1994 09 11.68580	23 19 34.24	-03 32 39.6		894
1994 RJ ₁₁	1994 09 25.48375	23 06 21.94	-03 46 11.1	17.0	894
1994 RJ ₁₁	1994 09 25.49514	23 06 21.45	-03 46 12.1		894
1994 RK ₁₁	* 1994 09 11.67257	23 21 24.14	-01 48 38.9	16.5	894
1994 RK ₁₁	1994 09 11.68580	23 21 23.53	-01 48 41.9		894
1994 RK ₁₁	1994 09 25.48375	23 10 55.79	-02 47 10.2	16.7	894
1994 RK ₁₁	1994 09 25.49514	23 10 55.27	-02 47 13.9		894
(20)	1994 09 11.72610	23 50 41.16	-00 18 41.0		894
(20)	1994 09 11.73924	23 50 40.42	-00 18 46.2		894
(184)	1994 09 11.72610	23 47 30.67	-00 42 06.9		894
(184)	1994 09 11.73924	23 47 30.08	-00 42 10.0		894
(865)	1994 09 25.48375	23 05 55.27	-03 40 44.2		894
(865)	1994 09 25.49514	23 05 54.77	-03 40 51.5		894
(4310)	1994 09 11.72610	23 48 18.35	-00 38 33.2		894
(4310)	1994 09 11.73924	23 48 17.61	-00 38 41.8		894

905 Nachi-Katsuura Observatory

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

Observer Y. Shimizu

Measurer T. Urata

0.30-m $f/3.8$ hyperboloid astrocamera

GSC

1992 EQ ₈	1994 09 05.57112	22 19 28.22	−15 32 46.6	16.5	F	905
1993 JF	1994 10 01.75631	03 38 16.07	+23 11 46.5	17.3		905
1993 JF	1994 10 01.77587	03 38 15.82	+23 11 44.6			905
1994 OB	1994 09 25.48025	21 08 47.52	−20 17 39.3	17		905
1994 OB	1994 09 25.48790	21 08 47.68	−20 17 38.1			905
1994 QV	1994 10 01.62917	22 41 19.06	−08 23 24.2	16		905
1994 QV	1994 10 01.63617	22 41 18.75	−08 23 20.4			905
1994 QW	1994 10 01.64456	22 53 27.51	−16 52 29.3	16.5		905
1994 QW	1994 10 01.65856	22 53 27.09	−16 52 33.3			905
1994 RM ₁	1994 10 01.69334	23 58 02.32	+07 02 49.0	17		905
1994 RM ₁	1994 10 01.70457	23 58 02.12	+07 02 43.7			905
1994 RH ₁₁	* 1994 09 10.65295	23 03 17.79	−10 47 17.9	16.5		905
1994 RH ₁₁	1994 09 10.66418	23 03 17.25	−10 47 22.5			905
1994 RH ₁₁	1994 09 25.51823	22 53 04.96	−12 11 26.1	16		905
1994 RH ₁₁	1994 09 25.53223	22 53 04.49	−12 11 29.7			905
1994 SB	* 1994 09 25.53953	23 50 17.74	+09 38 38.2	16		905
1994 SB	1994 09 25.55075	23 50 16.91	+09 38 34.3			905
1994 SB	1994 10 01.66910	23 44 04.44	+09 03 56.2	16.5		905
1994 SB	1994 10 01.68032	23 44 03.81	+09 03 52.3			905

950 La Palma

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Observer M. R. Kidger

Measurer G. V. Williams

2.5-m Isaac Newton telescope + CCD

GSC

1993 SB	1994 08 15.21803	00 04 29.62	+00 41 20.7			950
1993 SB	1994 08 16.20557	00 04 25.52	+00 40 55.1		I	950

970 Chelmsford

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0.30-m $f/5.25$ reflector + CCD

GSC

1981 UD ₂	1994 10 07.85917	00 23 45.82	+17 01 05.6			970
1981 UD ₂	1994 10 07.86316	00 23 45.70	+17 01 03.1			970
1981 UD ₂	1994 10 07.87495	00 23 45.16	+17 00 54.4			970
(623)	1994 10 06.77844	00 12 34.87	+25 59 53.7			970
(623)	1994 10 06.79104	00 12 34.07	+25 59 51.4			970
(623)	1994 10 06.80376	00 12 33.24	+25 59 49.2			970
(1474)	1994 09 16.81838	02 29 47.65	+61 02 45.8			970
(1474)	1994 09 16.82709	02 29 48.75	+61 03 09.2			970
(1474)	1994 09 16.83271	02 29 49.43	+61 03 24.4			970
(1474)	1994 09 16.83940	02 29 50.28	+61 03 42.3			970
(1474)	1994 09 16.85403	02 29 52.08	+61 04 21.7			970
(1474)	1994 10 04.82265	03 13 46.35	+73 07 05.5			970

(1474)	1994 10 04.83480	03 13 48.56	+73 07 31.6			970
(1474)	1994 10 04.83957	03 13 49.44	+73 07 41.6			970
(1474)	1994 10 04.85568	03 13 52.36	+73 08 16.3			970
(1474)	1994 10 04.86264	03 13 53.60	+73 08 31.3			970
(1620)	1994 09 22.80087	21 36 58.73	+10 15 09.4			970
(1620)	1994 09 22.80633	21 36 58.89	+10 15 14.3			970
(1620)	1994 09 22.84000	21 36 59.92	+10 15 44.9			970
(1620)	1994 09 22.84791	21 37 00.13	+10 15 51.9			970
(1620)	1994 10 04.78784	21 46 33.27	+12 05 17.1			970
(1620)	1994 10 04.79574	21 46 33.65	+12 05 19.7			970
(1620)	1994 10 04.79990	21 46 33.85	+12 05 21.0			970
(1620)	1994 10 04.80714	21 46 34.22	+12 05 23.6			970
(1620)	1994 10 04.81303	21 46 34.50	+12 05 25.4			970

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Periodic Comet Machholz 2 (1994o)

<i>T</i>	1994 Sept. 18.80657 TT		Marsden	
<i>q</i>	0.7525496	(2000.0)	P	Q
<i>n</i>	0.18866890	ω 149.26756	+0.80312952	−0.56035875
<i>a</i>	3.0107117	Ω 246.17274	+0.49171739	+0.81525744
<i>e</i>	0.7500426	<i>i</i> 12.78538	+0.33644759	+0.14612795
<i>P</i>	5.22			

From 140 observations 1994 Aug. 15–Oct. 11.

Comet Machholz (1994r)

<i>T</i>	1994 Oct. 3.42910 TT		Marsden	
<i>q</i>	1.8443570	(2000.0)	P	Q
		ω 143.26149	+0.16093748	+0.36021081
		Ω 249.85262	+0.49610914	+0.77532632
<i>e</i>	1.0	<i>i</i> 101.82579	+0.85321442	−0.51876513

From 32 observations 1994 Oct. 9–14.

One-opposition minor planets

Planet	<i>H</i>	Epoch	<i>M</i>	ω	Ω	<i>i</i>	<i>e</i>	<i>a</i>	Arc	O	N	C
1990 SA	17.0	900906	22.31	114.71	172.40	37.80	0.4364	1.9839	14	0	W	
1992 DM ₃	16.5	920228	311.47	78.70	146.15	3.39	0.1599	2.7187	13	0	W	
1992 DP ₁₀	15.5	920228	24.91	173.89	310.80	6.22	0.1364	2.3821	8	3	W	

1992 DQ ₁₀	14.0	920228	238.30	22.83	271.65	3.41	0.1842	2.3618	5	3	W	1992 EH ₃₃	15.0	920228	3.41	335.59	183.10	3.72	0.1669	3.1220	5	3	W
1992 DT ₁₀	15.5	920228	11.95	212.15	292.57	2.60	0.0281	2.2678	5	3	W	1992 EO ₃₃	13.5	920228	74.10	264.27	166.46	23.15	0.1769	3.2127	5	3	W
1992 DW ₁₀	15.0	920228	309.95	284.97	314.12	3.57	0.2859	2.3152	5	3	W	1992 EP ₃₃	16.0	920228	0.15	15.61	147.60	2.74	0.1463	2.4056	6	3	W
1992 DX ₁₀	15.5	920228	62.32	159.36	281.61	2.30	0.1374	2.4980	8	3	W	1992 EQ ₃₃	15.5	920228	159.03	310.12	50.17	1.28	0.1660	2.5141	6	3	E W
1992 DY ₁₀	16.0	920228	93.61	175.21	248.76	4.02	0.0151	2.3922	8	3	W	1992 EA ₃₄	14.0	920228	180.82	169.03	172.95	11.24	0.1069	2.4838	8	3	W
1992 DC ₁₁	16.0	920228	46.81	309.96	152.77	3.36	0.1324	2.3229	11	5	W	1992 EB ₃₄	16.0	920228	307.93	78.87	165.80	23.06	0.2751	3.0953	8	4	E W
1992 DE ₁₁	16.5	920228	283.06	108.93	145.77	2.73	0.1368	2.3436	11	5	W	1992 EK ₃₄	13.5	920228	144.60	232.12	147.22	2.10	0.0229	3.0708	5	3	E W
1992 DL ₁₁	14.5	920228	140.46	236.79	136.25	7.58	0.1362	2.3299	9	3	W	1992 EY ₃₄	15.5	920228	315.91	78.97	131.09	6.74	0.1199	2.3544	5	3	W
1992 EH ₂₆	15.5	920228	343.07	217.95	322.30	4.21	0.1655	2.4706	5	3	E W	1992 EB ₃₅	15.5	920228	188.10	214.33	113.70	5.18	0.0458	2.6187	8	5	W
1992 EQ ₂₆	15.0	920228	78.95	271.94	145.96	4.21	0.1689	2.3673	5	3	E W	1992 EH ₃₅	16.0	920228	276.32	62.85	190.28	2.17	0.1008	2.4177	5	3	W
1992 EY ₂₆	17.0	920228	19.68	337.77	152.86	3.43	0.1591	2.3642	13	6	E W	1992 EL ₃₅	15.0	920228	246.68	114.54	176.00	5.45	0.1568	2.2665	8	4	W
1992 EB ₂₇	15.5	920228	289.84	3.26	244.44	0.75	0.1701	3.0721	4	5	E W	1992 EQ ₃₅	18.5	920228	30.75	270.70	205.72	1.12	0.2206	2.3217	5	3	W
1992 EC ₂₇	15.5	920228	55.88	88.42	355.13	1.76	0.1741	2.3762	9	5	W	1993 PP ₅	15.0	930801	344.50	181.39	168.97	5.91	0.2329	2.7236	5	8	E W
1992 EG ₂₇	15.5	920228	271.26	96.65	169.16	5.19	0.1516	2.2404	6	3	W	1993 QV ₁	14.0	930821	304.77	205.45	201.65	1.98	0.1194	2.7440	34	7	W
1992 EM ₂₇	14.0	920228	359.10	182.79	335.78	7.82	0.1122	3.1436	43	6	W	1993 QG ₂	15.0	930821	335.32	198.71	171.84	1.72	0.1230	2.5855	34	7	W
1992 EQ ₂₇	14.5	920228	314.39	51.02	169.04	1.42	0.1715	3.0709	3	5	W	1993 QP ₂	15.0	930821	56.81	97.97	171.46	4.32	0.1237	2.3309	34	7	W
1992 EU ₂₇	16.0	920228	100.65	250.21	160.50	5.75	0.0687	2.8494	8	7	W	1993 QS ₂	15.5	930821	16.91	333.44	336.89	2.05	0.2260	2.3919	34	7	W
1992 EZ ₂₇	15.0	920319	105.18	253.62	161.49	11.52	0.0219	3.1460	29	6	W	1993 QT ₅	15.0	930821	13.46	122.47	189.73	5.29	0.2825	2.9210	32	7	W
1992 EA ₂₈	15.0	920228	47.09	321.95	139.91	1.64	0.1139	3.2604	3	5	E W	1993 RB ₁	13.0	930821	31.74	128.80	168.24	9.47	0.0766	2.7331	21	9	W
1992 EB ₂₈	15.5	920228	93.07	236.42	159.29	22.35	0.2916	2.2326	3	5	E W	1993 RL ₁	16.5	930910	12.07	346.01	347.68	5.54	0.1826	2.1982	6	0	M
1992 EE ₂₈	17.0	920228	23.48	141.33	348.66	11.74	0.1138	2.4279	3	5	W	1993 RM ₁	14.5	930910	336.67	69.61	313.23	1.30	0.1247	2.9526	6	0	M
1992 EH ₂₈	15.0	920228	174.71	183.75	160.80	7.65	0.1407	2.4839	3	5	W	1993 RD ₃	14.5	930910	121.09	240.08	345.01	4.07	0.1511	2.2878	8	0	W
1992 EL ₂₈	16.5	920228	94.65	256.19	160.92	5.96	0.0840	2.3107	3	5	W	1993 RZ ₄	14.0	930910	298.73	99.18	340.33	4.05	0.1690	2.6583	8	0	W
1992 EN ₂₈	15.0	920228	130.62	248.99	125.36	3.97	0.2171	2.8243	9	5	E W	1993 RE ₄	14.0	930910	5.22	7.29	345.79	5.29	0.1574	3.2259	8	0	W
1992 EO ₂₈	17.0	920228	312.68	96.73	142.86	2.43	0.2925	2.8873	3	5	E W	1993 RF ₄	16.0	930910	340.96	184.26	199.32	2.19	0.1591	2.2719	8	0	E W
1992 EP ₂₈	18.5	920228	349.77	137.37	38.24	1.81	0.1868	2.2895	11	7	W	1993 RH ₄	14.5	930910	39.74	320.98	349.44	4.17	0.1148	2.6824	8	0	W
1992 ER ₂₈	15.0	920228	188.85	223.64	112.17	2.66	0.2132	3.0569	9	5	E W	1993 RJ ₄	14.5	930910	354.99	20.49	344.76	3.15	0.1117	2.5701	8	0	W
1992 ES ₂₈	15.5	920228	347.91	147.64	30.24	2.03	0.1496	2.9384	9	7	E W	1993 RK ₄	14.0	930910	194.78	224.10	304.21	1.73	0.0968	2.4335	8	0	W
1992 EU ₂₈	12.0	920319	239.71	252.23	48.70	1.71	0.1824	3.2024	37	7	W	1993 RL ₄	14.5	930910	49.82	57.50	243.33	2.11	0.0932	2.4039	8	9	W
1992 EV ₂₈	12.5	920228	21.42	155.51	330.03	15.81	0.2374	3.2226	6	3	E W	1993 RM ₄	14.5	930910	35.69	60.15	237.54	1.78	0.2897	2.9538	8	9	W
1992 EZ ₂₈	14.0	920228	294.98	70.70	169.52	12.19	0.1316	2.5501	7	3	W	1993 RN ₄	12.5	930910	196.79	341.38	184.38	23.30	0.0354	3.1718	8	0	W
1992 ED ₂₉	16.0	920228	317.59	354.20	222.35	2.23	0.1373	2.6081	7	3	W	1993 RO ₄	16.5	930910	10.80	133.66	205.66	2.40	0.2152	2.1884	8	0	E W
1992 EN ₂₉	15.0	920228	13.10	248.92	255.27	3.97	0.0842	2.7720	5	3	W	1993 RP ₄	14.5	930910	235.46	303.59	193.23	8.09	0.1362	2.4475	8	9	E W
1992 EX ₂₉	15.5	920228	51.95	294.22	152.55	9.17	0.2311	2.4230	7	3	W	1993 RQ ₄	14.0	930930	323.52	191.25	222.16	2.51	0.1453	2.6934	33	0	W
1992 EC ₃₀	16.0	920228	20.71	32.99	96.22	3.87	0.2359	2.9881	7	3	W	1993 RR ₄	15.0	930910	325.71	182.03	236.27	1.87	0.2856	2.7001	8	0	W
1992 EN ₃₀	16.0	920228	242.22	119.51	169.12	5.48	0.0907	2.3383	8	4	W	1993 RT ₄	16.5	930910	22.91	81.23	240.82	1.09	0.2041	2.1629	8	9	W
1992 ER ₃₀	16.0	920228	104.84	97.63	297.29	3.17	0.2372	2.6944	4	3	W	1993 RV ₄	15.0	930910	327.78	129.93	263.40	0.89	0.0400	2.1754	8	0	W
1992 ES ₃₀	13.0	920228	27.41	316.66	169.94	15.86	0.1413	3.1425	8	3	W	1993 RW ₄	15.0	930910	15.80	97.36	233.42	0.76	0.2697	2.9529	8	9	E W
1992 ET ₃₀	17.0	920228	262.45	85.47	185.50	4.95	0.0944	2.5263	8	3	W	1993 RX ₄	14.0	930910	264.98	282.77	188.42	11.96	0.1423	2.4799	8	0	W
1992 EU ₃₀	13.5	920319	17.29	264.72	244.64	2.58	0.0410	2.6934	37	4	W	1993 RB ₅	14.5	930910	26.84	117.56	194.77	1.19	0.2788	2.9931	8	0	E W
1992 EY ₃₀		920228	48.54	173.64	294.34	2.78	0.0733	2.6014	8	3	W	1993 RC ₅	13.0	930910	298.04	229.36	210.58	3.22	0.1455	3.2037	8	0	W
1992 EB ₃₁	17.0	920228	348.36	283.17	256.62	1.39	0.1984	2.2964	8	3	W	1993 RD ₅	13.5	930910	156.70	322.83	235.89	1.79	0.1665	2.4339	2	9	E W
1992 EG ₃₁	12.0	920228	137.99	208.82	163.23	12.54	0.2098	3.0174	5	3	E W	1993 RE ₅	15.5	930910	332.95	217.26	182.91	2.73	0.2217	2.4485	8	0	W
1992 ER ₃₁	13.0	920228	63.51	281.45	147.49	1.57	0.2691	2.5168	5	3	E W	1993 RG ₅	15.0	930910	40.84	321.91	329.95	2.18	0.2747	2.5685	8	0	W
1992 ET ₃₁	17.0	920228	313.74	96.21	127.22	0.88	0.1494	2.2652	6	3	W	1993 RH ₅	12.5	930910	109.65	236.07	356.64	13.63	0.2147	3.0019	2	9	E W
1992 EV ₃₁	17.0	920228	341.90	23.20	163.84	25.51	0.1369	2.2242	6	3	E W	1993 RK ₅	14.0	930910	88.23	35.38	211.91	2.71	0.2288	2.4456	2	9	E W
1992 EW ₃₁	16.0	920228	346.24	212.94	328.25	0.89	0.1235	2.2797	5	3	E W	1993 RM ₅	15.5	930910	36.85	318.73	352.97	6.92	0.1387	2.4174	8	9	W
1992 EX ₃₁	14.5	920228	51.50	167.42	294.56	2.35	0.1162	2.5186	5	3	W	1993 RN ₅	14.0	930910	28.58	328.13	358.56	6.31	0.0884	2.7550	8	0	W
1992 EB ₃₂	15.0	920228	16.20	296.06	207.85	2.46	0.1308	2.7802	5	3	W	1993 RT ₅	14.0	930930	333.46	42.06	3.50	15.21	0.2051	3.1882	33	0	W
1992 EE ₃₂	14.5	920228	2.50	320.78	194.94	4.08	0.1977	2.5495	6	3	W	1993 RU ₅	15.5	930910	307.02	108.65	318.25	1.42	0.1449	2.2476	8	0	W
1992 EG ₃₂	14.5	920228	315.90	323.11	248.69	1.73	0.0947	2.7817	6	3	W	1993 RV ₅	14.5	930910	46.41	115.49	193.24	2.00	0.0621	2.57			

1993 RT ₈	16.5	930910	343.79	164.34	210.34	1.66	0.1910	2.2454	5	9	E	W
1993 RH ₉	16.0	930910	307.09	160.62	269.63	1.17	0.2395	2.4193	6	9		W
1993 RJ ₉	15.5	930910	24.01	67.92	253.24	1.11	0.1151	2.2576	6	9		W
1993 RN ₉	15.5	930910	335.62	81.81	308.77	1.25	0.2398	2.3137	6	9		W
1993 RR ₉	15.5	930910	15.94	95.55	225.19	1.12	0.2998	2.6436	5	9		W
1993 RU ₉	16.5	930910	13.40	345.55	345.13	6.14	0.2000	2.2772	5	9		W
1993 RV ₉	15.5	930910	31.31	320.11	345.89	6.44	0.1908	2.3495	5	9		W
1993 RU ₁₀	14.5	930910	51.71	59.00	226.55	0.96	0.1549	3.0057	5	9		W
1993 RB ₁₁	13.5	930910	148.64	22.10	177.33	15.19	0.0993	2.7985	5	9	E	W
1993 RG ₁₁	13.5	930910	238.49	198.02	280.90	1.04	0.0401	2.8657	6	9	E	W
1993 RX ₁₁	16.0	930910	345.40	195.13	179.79	7.03	0.2136	2.3784	6	9		W
1993 RY ₁₁	13.0	930910	272.69	239.88	214.29	1.26	0.1135	2.9210	6	9		W
1993 RG ₁₂	14.0	930910	81.10	79.27	180.19	9.81	0.1152	2.7452	6	9		W
1993 RL ₁₂	16.0	930910	10.86	156.74	179.56	7.23	0.1785	2.2108	6	9	E	W
1993 RY ₁₂	13.5	930910	36.09	131.97	178.03	14.35	0.1057	3.0955	6	9		W
1993 RA ₁₃	14.5	930910	30.73	123.74	182.07	3.46	0.2235	2.9166	5	9		W
1993 RG ₁₃	13.5	930910	218.47	324.43	179.07	11.38	0.1130	3.0245	6	9	E	W
1993 RJ ₁₃	15.5	930910	25.89	133.84	177.10	9.39	0.2372	2.4983	5	9		W
1993 RK ₁₃	15.5	930910	40.01	117.98	181.67	4.77	0.1575	2.3878	6	9		W
1993 RP ₁₃	16.5	930910	345.94	193.80	181.21	2.40	0.2242	2.4139	5	9		W
1993 RX ₁₃	13.0	930910	124.93	227.76	344.10	1.47	0.2356	3.1298	6	9		W
1993 RA ₁₄	15.0	930910	313.59	92.43	326.73	1.81	0.1534	2.4132	8	0		W
1993 RC ₁₄	15.0	930910	279.93	95.12	352.78	6.85	0.0817	2.2350	8	9		W
1993 RD ₁₄	13.0	930910	277.39	106.39	350.00	5.49	0.1049	3.1229	8	0		W
1993 RG ₁₄	12.5	930910	57.28	281.25	359.04	2.90	0.2238	3.9303	8	9	E	W
1993 RV ₁₄	13.5	930910	208.32	321.21	205.16	3.55	0.2580	2.3582	9	9		W
1993 RZ ₁₄	15.5	930910	257.64	113.89	1.52	19.66	0.1204	1.9400	3	9		W
1993 SE ₂	11.5	930910	209.68	145.69	358.87	11.74	0.0053	3.1220	7	0	E	M
1993 SR ₂	11.5	930910	262.97	302.38	184.52	3.49	0.2804	2.8952	7	9	E	W
1993 SM ₇	13.5	930910	194.88	162.85	13.07	3.87	0.2107	2.5543	5	0	E	W
1993 SH ₉	14.5	930910	43.58	104.73	197.24	8.47	0.1769	2.6480	7	9	E	M
1993 SJ ₉	14.5	930910	356.90	174.61	192.06	14.67	0.1699	3.0027	7	9		W
1993 SL ₉	15.5	930910	1.17	355.47	2.29	6.97	0.1604	2.3083	9	0		W
1993 SN ₉	16.5	930910	351.06	58.82	314.30	0.51	0.2390	2.3182	9	0		W
1993 SP ₉	13.0	930910	282.49	90.67	13.51	1.20	0.1948	3.1756	9	9	E	M
1993 SX ₁₁	14.5	930930	120.65	241.03	0.13	7.31	0.0111	2.7014	28	9		W
1993 SM ₁₂	14.5	930910	34.09	59.35	250.49	1.98	0.1944	3.0482	14	0		W
1993 SX ₁₂	16.5	930910	43.04	288.26	6.80	4.03	0.1933	2.1407	8	9	E	W
1993 SA ₁₃	16.5	930910	34.84	282.91	18.77	1.58	0.2353	2.3153	8	9		W
1993 SQ ₁₃	13.5	930910	245.69	81.97	52.52	1.08	0.2150	2.7984	8	9	E	W
1993 SW ₁₃	15.0	930910	304.42	83.67	355.78	9.80	0.2271	2.3959	8	0		W
1993 SY ₁₃	14.0	930910	316.89	52.45	12.84	5.63	0.2299	3.2156	8	9		W
1993 SA₁₄	16.5	930910	338.26	21.15	358.98	13.64	0.0643	1.7212	7	9	W	
1993 SB ₁₄	16.0	930910	8.44	163.48	178.90	7.30	0.2562	2.4921	8	9		W
1993 SD ₁₄	12.5	930930	268.98	104.78	3.74	6.70	0.1094	3.0929	33	0		W
1993 SJ ₁₄	14.0	930910	130.41	217.14	5.93	2.90	0.0885	2.4829	8	0	E	W
1993 SN ₁₄	15.5	930910	23.29	331.65	351.92	3.01	0.2145	2.7140	7	9		W
1993 XH ₃	12.5	931129	43.49	44.08	268.39	12.81	0.2808	3.0547	4	5		W
1994 CL	12.7	940217	273.50	255.27	356.78	10.91	0.1296	2.4171	29	0		E
1994 CM	12.9	940217	65.22	42.33	33.25	8.64	0.0835	2.8472	29	0		E
1994 CC ₁	13.2	940217	354.31	236.83	279.49	10.41	0.2156	2.6867	14	0		E
1994 EV ₇	13.5	940309	101.98	63.56	342.65	23.41	0.0633	1.8932	59	9		E
1994 FD	16.0	940329	53.85	108.43	15.77	20.22	0.0641	1.9480	54	0		W
1994 OB	13.6	940905	20.96	178.61	115.71	3.27	0.2343	2.3957	56	8		N
1994 OC	11.5	940816	306.93	62.79	322.94	11.98	0.1367	3.0393	68	0		W
1994 PK	14.0	940707	330.74	100.07	235.95	19.26	0.0853	1.9427	32	9		W
1994 PL	13.5	940905	16.69	106.91	220.90	23.34	0.2354	2.2682	62	0		W
1994 QW	13.2	940905	352.63	216.27	136.29	8.36	0.1112	2.3014	33	0		N

1994 QA ₁	14.5	940816	292.57	270.79	150.94	2.83	0.2043	2.6418	13	0	W
1994 RA	14.0	940905	320.64	240.95	176.42	10.32	0.1780	2.8019	10	0	W
1994 RC	19.0	940905	18.14	284.32	346.17	4.73	0.6016	2.2661	24	0	W
1994 RF	15.0	940905	307.28	218.77	216.90	4.31	0.1737	2.7967	12	9	E W
1994 RG	16.0	940905	332.85	138.73	234.57	2.65	0.2013	2.6709	33	0	W
1994 RN	15.0	940905	93.69	71.86	168.89	9.53	0.0434	3.1732	31	0	W
1994 RZ	16.0	940925	340.80	44.27	342.47	2.46	0.2619	2.5517	31	0	W
1994 RK ₁	13.5	940905	346.16	140.67	227.10	6.44	0.1406	2.3124	7	7	W
1994 RM ₁	11.5	940905	52.48	96.72	199.59	16.66	0.1011	3.2392	28	6	N
1994 RY ₁	13.0	940905	352.80	180.57	169.72	16.54	0.2895	2.6409	13	7	W
1994 RD ₁₁	16.5	940905	2.02	184.85	153.51	24.95	0.0331	1.9398	8	7	W
1994 RE ₁₁	17.0	940905	346.38	208.14	172.51	14.35	0.3679	2.5326	7	0	W
1994 RF ₁₁	16.5	940905	10.81	343.06	353.62	18.70	0.0814	1.8838	23	5	W
1994 RL ₁₁	19.0	940905	4.19	350.22	349.39	3.97	0.3676	2.2458	15	9	M
1994 RO ₁₁	12.4	940925	316.00	65.63	345.31	12.53	0.1922	2.6691	31	6	N
1994 SA	18.0	940925	215.76	126.92	37.97	2.98	0.2521	1.8131	2	9	E M
1994 SC	14.5	940925	75.67	39.60	206.83	3.63	0.1453	2.3225	14	0	W
1994 SE	16.0	940925	3.14	274.02	61.78	8.07	0.4061	2.3308	15	0	W
1994 SG	16.0	940925	49.69	321.42	342.66	5.15	0.1557	2.3954	7	6	W
1994 TA	11.0	940925	0.00	226.85	151.16	6.43	0.0000	15.0818	1	6	E M
1994 TB	7.0	940925	0.00	41.88	309.66	10.23	0.0000	31.7156	1	9	E M
1994 TC	15.0	940925	321.52	234.01	171.84	22.98	0.2271	2.3401	6	7	W
1994 TD	12.5	940925	280.56	311.26	182.99	4.87	0.2739	3.1280	6	6	E W
1994 TF	15.0	940925	19.33	247.79	74.53	0.75	0.2956	2.4184	2	0	E W
1994 TG	7.0	940925	0.00	353.02	15.51	6.76	0.0000	42.2544	3	8	E M
1994 TH	7.0	940925	0.00	356.62	12.12	16.07	0.0000	40.9404	3	6	E M
1994 TK	14.0	940925	356.43	257.80	128.90	31.23	0.2941	2.7497	2	4	W
1994 TT ₁	13.5	940925	26.14	345.88	340.08	13.52	0.1154	2.5435	5	0	E W
1994 TU ₁	14.5	940925	38.85	2.52	330.48	6.72	0.1295	2.3164	3	8	W
1994 TV ₁	14.0	940925	324.05	300.96	101.01	3.03	0.1756	3.1014	3	0	E M
1994 TW ₁	14.5	940925	329.20	65.48	4.38	34.94	0.5276	2.2753	3	0	W
1994 TY ₁	15.0	940925	284.14	174.41	289.72	2.26	0.1086	2.3093	2	9	E W
1994 TZ ₁		940925	215.97	138.38	30.24	3.55	0.1079	2.6853	2	4	E W
1994 TA ₂	20.0	940925	12.39	120.71	201.25	6.98	0.5102	2.5857	2	0	M
1994 TE ₂	22.0	940925	355.62	182.11	198.80	5.70	0.4549	2.3046	1	0	W
1994 TF ₂	19.5	940925	210.87	349.18	174.66	20.02	0.2637	0.9847	7	6	W
1994 TG ₂	8.0	940925	0.00	358.87	353.10	2.65	0.0000	41.4532	1	6	E W

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Bowell**
(9) Metis Obs. 815 *M* 32.43664 ω 4.94479
H 6.28 *G* 0.17 Opp. 50 *n* 0.26736340 Ω 69.06455
rms res. 0".63 (M-C) 1849–1993 *e* 0.1222463 *i* 5.58391

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Bowell**
(11) Parthenope Obs. 2613 *M* 130.55645 ω 194.77479
H 6.55 *G* 0.15 Opp. 61 *n* 0.25663674 Ω 125.67841
rms res. 0".57 (M-C) 1850–1993 *e* 0.0998934 *i* 4.62104

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Bowell**
(12) Victoria Obs. 995 *M* 166.28280 ω 69.38082
H 7.24 *G* 0.22 Opp. 49 *n* 0.27635467 Ω 235.66947
rms res. 0".62 (M-C) 1850–1994 *e* 0.2192890 *i* 8.37134

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Bowell**
(18) Melpomene Obs. 2877 *M* 237.30740 ω 227.60339
H 6.51 *G* 0.25 Opp. 51 *n* 0.28316385 Ω 150.62774
rms res. 0".52 (M-C) 1870–1993 *e* 0.2174051 *i* 10.12709

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Bowell**
(20) Massalia Obs. 732 *M* 266.77302 ω 254.89612
H 6.50 *G* 0.25 Opp. 55 *n* 0.26368362 Ω 206.93300
rms res. 0".62 (M-C) 1869–1993 *e* 0.1445474 *i* 0.70320

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Bowell**
(30) Urania Obs. 509 *M* 112.38699 ω 85.87052
H 7.57 *G* 0.15 Opp. 48 *n* 0.27096734 Ω 308.09839
rms res. 0".70 (M-C) 1869–1994 *e* 0.1276562 *i* 2.09598

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Goffin**
(51) Nemausa Obs. 3428 *M* 178.81679 ω 1.85081
H 7.35 *G* 0.08 Opp. 84 *n* 0.27083257 Ω 176.26338
rms res. 0".70 (M-V) 1858–1993 *e* 0.0659547 *i* 9.95870

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Bowell**
(52) Europa Obs. 761 *M* 56.57939 ω 337.74721
H 6.31 *G* 0.18 Opp. 53 *n* 0.18049866 Ω 129.26129
rms res. 0".57 (M-C) 1902–1994 *e* 0.0992194 *i* 7.43930

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Bowell**
(54) Alexandra Obs. 144 *M* 190.12803 ω 345.24712
H 7.66 *G* 0.15 Opp. 35 *n* 0.22110904 Ω 313.56634
rms res. 0".85 (M-C) 1909–1992 *e* 0.2001721 *i* 11.82875

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Bowell**
(56) Melete Obs. 164 *M* 288.88925 ω 102.74878
H 8.31 *G* 0.15 Opp. 31 *n* 0.23542731 Ω 193.84192
rms res. 0".87 (M-C) 1870–1994 *e* 0.2351673 *i* 8.07857

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Bowell**
(63) Ausonia Obs. 527 *M* 267.76094 ω 295.04526
H 7.55 *G* 0.25 Opp. 40 *n* 0.26588734 Ω 338.21089
rms res. 0".61 (M-C) 1870–1994 *e* 0.1256157 *i* 5.78919

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Bowell**
(65) Cybele Obs. 447 *M* 300.00787 ω 108.71289
H 6.62 *G* 0.01 Opp. 50 *n* 0.15479618 Ω 156.04615
rms res. 0".65 (M-C) 1870–1993 *e* 0.1050565 *i* 3.54359

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Goffin**
(85) Io Obs. 582 *M* 329.09396 ω 122.59001
H 7.61 *G* 0.15 Opp. 63 *n* 0.22788694 Ω 203.52179
rms res. 0".98 (M-C) 1865–1994 *e* 0.1905195 *i* 11.96690

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Bowell**
(87) Sylvia Obs. 245 *M* 162.03354 ω 272.31354
H 6.94 *G* 0.15 Opp. 40 *n* 0.15137049 Ω 73.74198
rms res. 0".71 (M-C) 1894–1994 *e* 0.0814919 *i* 10.87278

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Bowell**
(89) Julia Obs. 367 *M* 120.78563 ω 44.75891
H 6.60 *G* 0.15 Opp. 38 *n* 0.24204326 Ω 311.74299
rms res. 0".63 (M-C) 1868–1992 *e* 0.1827478 *i* 16.13627

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Bowell**
(93) Minerva Obs. 176 *M* 338.76710 ω 273.10328
H 7.7 *G* 0.15 Opp. 42 *n* 0.21555087 Ω 4.60917
rms res. 0".88 (M-C) 1899–1994 *e* 0.1413620 *i* 8.56339

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Bowell**
(105) Artemis Obs. 108 *M* 261.70319 ω 56.11167
H 8.57 *G* 0.10 Opp. 31 *n* 0.26968836 Ω 188.53851
rms res. 0".84 (M-C) 1915–1993 *e* 0.1770407 *i* 21.48525

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Bowell**
(121) Hermione Obs. 110 *M* 275.99726 ω 293.61082
H 7.31 *G* 0.15 Opp. 40 *n* 0.15454137 Ω 73.56449
rms res. 0".95 (M-C) 1893–1993 *e* 0.1455734 *i* 7.58172

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Bowell**
(135) Hertha Obs. 231 *M* 154.90683 ω 339.63460
H 8.23 *G* 0.15 Opp. 45 *n* 0.26040399 Ω 344.11898
rms res. 0".83 (M-C) 1894–1993 *e* 0.2049745 *i* 2.30321

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Goffin**
(172) Baucis Obs. 293 *M* 187.49216 ω 359.26323
H 8.79 *G* 0.15 Opp. 55 *n* 0.26854251 Ω 332.30717
rms res. 1".01 (M-C) 1877–1991 *e* 0.1146210 *i* 10.03316

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Bowell**
(241) Germania Obs. 153 *M* 246.03375 ω 73.45287
H 7.58 *G* 0.15 Opp. 49 *n* 0.18466891 Ω 271.16493
rms res. 0".80 (M-C) 1894–1993 *e* 0.0994008 *i* 5.50910

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Goffin**
(301) Bavaria Obs. 152 *M* 164.44469 ω 124.52375
H 10.1 *G* 0.15 Opp. 40 *n* 0.21898669 Ω 142.70262
rms res. 0".99 (M-C) 1890–1993 *e* 0.0639871 *i* 4.89135

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(387) Aquitania Obs. 284 *M* 306.21416 ω 156.01546
H 7.41 *G* 0.15 Opp. 52 *n* 0.21747205 Ω 128.56309
rms res. 0".93 (M-C) 1894–1993 *e* 0.2381536 *i* 18.07141

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(433) Eros Obs. 2402 *M* 49.46967 ω 178.56655
H 11.16 *G* 0.46 Opp. 42 *n* 0.55967654 Ω 304.45107
rms res. 0".72 (M-N) 1893–1993 *e* 0.2227970 *i* 10.82946

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(481) Erita Obs. 68 *M* 203.72048 ω 349.08325
H 8.6 *G* 0.15 Opp. 26 *n* 0.21706659 Ω 67.07637
rms res. 0".81 (M-C) 1905–1993 *e* 0.1564159 *i* 9.86065

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(505) Cava Obs. 170 *M* 228.16785 ω 336.26655
H 8.61 *G* −0.03 Opp. 41 *n* 0.22403064 Ω 91.06465
rms res. 0".99 (M-C) 1904–1991 *e* 0.2452822 *i* 9.82120

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(638) Moira Obs. 67 *M* 112.67154 ω 126.76416
H 9.8 *G* 0.15 Opp. 22 *n* 0.21788133 Ω 103.69913
rms res. 0".96 (M-C) 1925–1993 *e* 0.1594601 *i* 7.69938

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(654) Zelinda Obs. 321 *M* 307.11195 ω 213.66670
H 8.52 *G* 0.15 Opp. 42 *n* 0.28299492 Ω 278.66349
rms res. 0".91 (M-C) 1908–1993 *e* 0.2301288 *i* 18.12432

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(702) Alauda Obs. 109 *M* 290.75983 ω 359.26149
H 7.25 *G* 0.15 Opp. 28 *n* 0.17253376 Ω 290.25861
rms res. 0".83 (M-C) 1910–1993 *e* 0.0280416 *i* 20.56726

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(1354) Botha Obs. 44 *M* 194.20334 ω 252.24889
H 11.3 *G* 0.15 Opp. 16 *n* 0.17824986 Ω 28.92121
rms res. 0".91 (M-C) 1931–1992 *e* 0.2152067 *i* 5.95606

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(1385) Gelria Obs. 60 *M* 266.65350 ω 259.99526
H 10.7 *G* 0.15 Opp. 16 *n* 0.21714618 Ω 115.18606
rms res. 0".96 (M-C) 1932–1993 *e* 0.1053414 *i* 6.91794

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(1462) Zamenhof Obs. 71 *M* 319.28425 ω 192.84041
H 10.8 *G* 0.15 Opp. 15 *n* 0.17637950 Ω 25.14513
rms res. 0".87 (M-C) 1938–1994 *e* 0.1046215 *i* 0.97423

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(1535) Päijänne Obs. 61 *M* 359.56371 ω 31.87972
H 10.7 *G* 0.15 Opp. 14 *n* 0.17587123 Ω 266.34348
rms res. 0".88 (M-C) 1933–1992 *e* 0.1955730 *i* 6.15874

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(1538) Detre Obs. 21 *M* 306.28150 ω 13.24856
H 14.1 *G* 0.15 Opp. 4 *n* 0.27142182 Ω 343.41384
rms res. 0".96 (M-C) 1940–1991 *e* 0.2170044 *i* 9.43969

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(1567) Alikoski Obs. 58 *M* 129.95956 ω 116.71863
H 9.47 *G* 0.15 Opp. 23 *n* 0.17141188 Ω 51.78976
rms res. 0".96 (M-C) 1938–1990 *e* 0.0859285 *i* 17.28145

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(1581) Abanderada Obs. 80 *M* 0.06563 ω 94.89671
H 10.85 *G* 0.15 Opp. 21 *n* 0.17543824 Ω 104.97816
rms res. 0".83 (M-C) 1929–1994 *e* 0.1198470 *i* 2.53626

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(1610) Mirnaya Obs. 53 *M* 54.99540 ω 14.45246
H 13.1 *G* 0.15 Opp. 11 *n* 0.30156358 Ω 359.96723
rms res. 0".92 (M-C) 1928–1992 *e* 0.1992774 *i* 2.20473

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(1646) Rosseland Obs. 35 *M* 198.02290 ω 279.47293
H 11.82 *G* 0.15 Opp. 13 *n* 0.27160309 Ω 120.22181
rms res. 0".94 (M-C) 1937–1994 *e* 0.1184221 *i* 8.38278

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(1678) Hveen Obs. 36 *M* 181.76474 ω 126.15981
H 10.9 *G* 0.15 Opp. 12 *n* 0.17559351 Ω 351.85610
rms res. 0".82 (M-C) 1919–1992 *e* 0.1086037 *i* 10.18470

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(1689) Floris-Jan Obs. 47 *M* 221.16508 ω 263.74230
H 11.82 *G* 0.15 Opp. 14 *n* 0.25674412 Ω 123.62108
rms res. 0".82 (M-C) 1930–1994 *e* 0.2049140 *i* 6.37740

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(1727) Mette Obs. 55 *M* 283.67600 ω 312.77387
H 12.7 *G* 0.15 Opp. 11 *n* 0.39038036 Ω 133.15487
rms res. 0".91 (M-C) 1955–1994 *e* 0.1021456 *i* 22.88973

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(1747) Wright Obs. 42 *M* 69.65979 ω 340.11811
H 13.35 *G* 0.15 Opp. 9 *n* 0.44110990 Ω 268.51061
rms res. 0".86 (M-C) 1947–1994 *e* 0.1103856 *i* 21.41525

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(1757) Porvoo Obs. 49 *M* 128.17549 ω 148.61005
H 13.36 *G* 0.15 Opp. 12 *n* 0.27327847 Ω 39.69349
rms res. 0".83 (M-C) 1939–1994 *e* 0.1246872 *i* 3.97651

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(1774) Kulikov Obs. 53 *M* 94.23176 ω 248.91703
H 12.5 *G* 0.15 Opp. 16 *n* 0.20205528 Ω 175.61980
rms res. 0".92 (M-C) 1931–1992 *e* 0.0677862 *i* 1.84713

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(1777) Gehrels Obs. 99 *M* 250.14718 ω 133.09528
H 11.1 *G* 0.15 Opp. 18 *n* 0.23161457 Ω 335.14793
rms res. 0".81 (M-C) 1923–1994 *e* 0.0207843 *i* 3.16164

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(1922) Zulu Obs. 50 *M* 241.06085 ω 31.61447
H 11.6 *G* 0.15 Opp. 12 *n* 0.16865051 Ω 226.58487
rms res. 0".80 (M-C) 1949–1994 *e* 0.4783130 *i* 35.40270

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(1941) Wild Obs. 24 *M* 321.58359 ω 303.85597
H 11.5 *G* 0.15 Opp. 9 *n* 0.12444316 Ω 60.76449
rms res. 0".90 (M-C) 1931–1994 *e* 0.2826254 *i* 3.95419

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2100) Ra-Shalom Obs. 81 *M* 204.59376 ω 355.94233
H 16.05 *G* 0.12 Opp. 8 *n* 1.29861772 Ω 170.96051
rms res. 0".94 (M-N) 1975–1994 *e* 0.4364554 *i* 15.75548

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2115) Irakli Obs. 45 *M* 49.17735 ω 333.41947
H 11.0 *G* 0.15 Opp. 9 *n* 0.18883973 Ω 241.83324
rms res. 0".86 (M-C) 1975–1994 *e* 0.0587881 *i* 8.97792

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2243) Lönnrot Obs. 31 *M* 281.46357 ω 302.96680
H 12.8 *G* 0.15 Opp. 8 *n* 0.29226518 Ω 22.74409
rms res. 1".00 (M-C) 1931–1994 *e* 0.1965611 *i* 6.84757

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2420) Čiurlionis Obs. 38 *M* 196.12109 ω 197.24300
H 12.2 *G* 0.15 Opp. 5 *n* 0.24028166 Ω 205.88394
rms res. 1".09 (M-C) 1975–1991 *e* 0.1319934 *i* 14.63874

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2473) Heyerdahl Obs. 34 *M* 334.91025 ω 230.57598
H 13.2 *G* 0.15 Opp. 12 *n* 0.29364412 Ω 185.91503
rms res. 0".94 (M-C) 1937–1992 *e* 0.1357974 *i* 5.18552

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2531) Cambridge Obs. 45 *M* 47.47511 ω 37.89843
H 10.9 *G* 0.15 Opp. 10 *n* 0.18867108 Ω 104.65442
rms res. 0".79 (M-C) 1942–1994 *e* 0.0503160 *i* 11.02233

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2542) Calpurnia Obs. 34 *M* 207.85298 ω 34.81692
H 11.4 *G* 0.15 Opp. 10 *n* 0.17823769 Ω 146.59222
rms res. 0".85 (M-C) 1954–1991 *e* 0.0814363 *i* 4.63140

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2556) Louise Obs. 20 *M* 117.70425 ω 346.05499
H 13.4 *G* 0.15 Opp. 6 *n* 0.30978539 Ω 126.60807
rms res. 0".81 (M-C) 1951–1992 *e* 0.0370453 *i* 2.78685

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2629) 1980 RB₁ Obs. 29 *M* 94.66033 ω 280.50607
H 14.5 *G* 0.15 Opp. 5 *n* 0.42927241 Ω 343.61415
rms res. 1".17 (M-C) 1959–1994 *e* 0.2291146 *i* 23.43943

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2696) Magion Obs. 28 *M* 346.65112 ω 282.35538
H 12.0 *G* 0.15 Opp. 9 *n* 0.25686597 Ω 186.54499
rms res. 0".72 (M-C) 1951–1992 *e* 0.1129127 *i* 25.32684

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2728) Yatskiv Obs. 23 *M* 15.85182 ω 97.28039
H 12.4 *G* 0.15 Opp. 12 *n* 0.25597862 Ω 201.55886
rms res. 0".99 (M-C) 1935–1994 *e* 0.1671656 *i* 2.59490

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2759) Idomeneus Obs. 33 *M* 117.95221 ω 6.63813
H 9.8 *G* 0.15 Opp. 7 *n* 0.08409482 Ω 171.24604
rms res. 0".87 (M-C) 1955–1994 *e* 0.0665151 *i* 21.98365

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2812) Scaltriti Obs. 25 *M* 42.89473 ω 100.62171
H 13.5 *G* 0.15 Opp. 5 *n* 0.29701732 Ω 68.36579
rms res. 0".82 (M-C) 1981–1994 *e* 0.0919535 *i* 6.81617

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2858) Carlosporter Obs. 22 *M* 263.64937 ω 181.53496
H 13.7 *G* 0.15 Opp. 7 *n* 0.28880063 Ω 128.76271
rms res. 0".65 (M-C) 1955–1992 *e* 0.1947954 *i* 6.69497

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2869) Nepryadva Obs. 26 *M* 143.97256 ω 297.97577
H 12.1 *G* 0.15 Opp. 6 *n* 0.23030622 Ω 357.51627
rms res. 1".02 (M-C) 1953–1993 *e* 0.1747340 *i* 12.88295

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(2950) Rousseau Obs. 47 *M* 116.27539 ω 293.95133
H 11.9 *G* 0.15 Opp. 9 *n* 0.21551972 Ω 112.38207
rms res. 0".85 (M-C) 1939–1994 *e* 0.2625911 *i* 9.59208

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(3006) Livadia Obs. 26 *M* 339.78707 ω 6.14186
H 13.5 *G* 0.15 Opp. 6 *n* 0.25972951 Ω 8.76937
rms res. 0".87 (M-C) 1956–1994 *e* 0.1873055 *i* 3.04635

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(3037) Alku Obs. 22 *M* 236.08901 ω 330.13676
H 11.6 *G* 0.15 Opp. 6 *n* 0.22537829 Ω 108.05225
rms res. 0".96 (M-C) 1944–1991 *e* 0.1878184 *i* 18.97897

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(3063) Makhaon Obs. 39 *M* 170.81346 ω 203.96910
H 8.6 *G* 0.15 Opp. 10 *n* 0.08400578 Ω 287.92617
rms res. 0".90 (M-C) 1931–1994 *e* 0.0593901 *i* 12.19142

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Bowell**
(3069) Heyrovský Obs. 24 *M* 141.04865 ω 123.64702
H 13.8 *G* 0.15 Opp. 5 *n* 0.27332758 Ω 217.72020
rms res. 1''00 (M-C) 1953–1992 *e* 0.2422954 *i* 1.67825

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Bowell**
(3081) 1971 UP Obs. 21 *M* 92.03627 ω 278.73269
H 13.8 *G* 0.15 Opp. 6 *n* 0.26329653 Ω 44.18400
rms res. 0''72 (M-C) 1952–1992 *e* 0.1817009 *i* 5.29749

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Bowell**
(3117) Niepce Obs. 49 *M* 340.54128 ω 221.15051
H 12.3 *G* 0.15 Opp. 13 *n* 0.20526593 Ω 93.49432
rms res. 0''82 (M-C) 1955–1993 *e* 0.0549639 *i* 3.24129

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Williams**
(3144) Brosche Obs. 24 *M* 2.10232 ω 95.35484
H 13.6 *G* 0.15 Opp. 4 *n* 0.29693457 Ω 249.05441
rms res. 1''02 (M-C) 1931–1994 *e* 0.2090790 *i* 5.50941

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Williams**
(3169) Ostro Obs. 35 *M* 179.00236 ω 32.34774
H 12.73 *G* 0.15 Opp. 7 *n* 0.37880927 Ω 96.50409
rms res. 1''01 (M-C) 1953–1991 *e* 0.0669069 *i* 24.90837

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Williams**
(3198) Wallonia Obs. 28 *M* 322.51639 ω 39.95494
H 12.3 *G* 0.15 Opp. 5 *n* 0.30602958 Ω 83.79381
rms res. 1''03 (M-C) 1981–1992 *e* 0.2376125 *i* 17.98536

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Williams**
(3226) Plinius Obs. 29 *M* 310.80287 ω 304.41793
H 13.4 *G* 0.15 Opp. 5 *n* 0.20237574 Ω 99.09607
rms res. 0''70 (M-C) 1960–1994 *e* 0.0757588 *i* 3.06004

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Bowell**
(3238) Timresovia Obs. 22 *M* 115.85869 ω 43.90020
H 13.2 *G* 0.15 Opp. 9 *n* 0.22649101 Ω 11.71510
rms res. 0''93 (M-C) 1953–1994 *e* 0.1850084 *i* 11.73252

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Goffin**
(3248) Farinella Obs. 51 *M* 305.01763 ω 310.01467
H 10.8 *G* 0.15 Opp. 8 *n* 0.17240253 Ω 12.73381
rms res. 0''98 (M-C) 1933–1988 *e* 0.1621545 *i* 10.86021

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Bowell**
(3323) Turgenev Obs. 77 *M* 211.81951 ω 22.21497
H 13.6 *G* 0.15 Opp. 8 *n* 0.24006311 Ω 22.08539
rms res. 0''73 (M-C) 1954–1991 *e* 0.1851350 *i* 0.71953

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Williams**
(3336) 1971 UX Obs. 53 *M* 182.76372 ω 122.57361
H 14.5 *G* 0.15 Opp. 5 *n* 0.27815828 Ω 243.46389
rms res. 0''88 (M-C) 1971–1992 *e* 0.1873628 *i* 0.85196

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Williams**
(3480) Abante Obs. 33 *M* 183.87043 ω 20.40724
H 13.1 *G* 0.15 Opp. 5 *n* 0.18594480 Ω 188.68636
rms res. 0''84 (M-C) 1977–1991 *e* 0.2838052 *i* 3.75966

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Williams**
(3563) Canterbury Obs. 31 *M* 309.38794 ω 346.05619
H 11.3 *G* 0.15 Opp. 4 *n* 0.21137648 Ω 268.26024
rms res. 0''98 (M-C) 1978–1990 *e* 0.1810403 *i* 6.96154

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Williams**
(3626) Ohsaki Obs. 39 *M* 217.29891 ω 37.94445
H 12.1 *G* 0.15 Opp. 6 *n* 0.17676526 Ω 283.44201
rms res. 1''05 (M-C) 1929–1991 *e* 0.1639178 *i* 4.08915

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Williams**
(3646) Aduatiques Obs. 39 *M* 303.80558 ω 41.27203
H 12.9 *G* 0.15 Opp. 7 *n* 0.21555244 Ω 11.09470
rms res. 0''73 (M-C) 1979–1994 *e* 0.1060032 *i* 0.59761

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Bowell**
(3655) Eupraksia Obs. 38 *M* 347.95431 ω 42.29758
H 11.0 *G* 0.15 Opp. 7 *n* 0.12324848 Ω 338.60422
rms res. 0''82 (M-C) 1954–1989 *e* 0.2086123 *i* 3.84945

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Williams**
(3693) Barringer Obs. 23 *M* 58.50984 ω 186.70865
H 11.7 *G* 0.15 Opp. 4 *n* 0.17667193 Ω 179.00682
rms res. 0''74 (M-C) 1982–1991 *e* 0.2050365 *i* 14.91759

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Bowell**
(3733) Yoshitomo Obs. 23 *M* 200.83730 ω 209.54321
H 12.8 *G* 0.15 Opp. 6 *n* 0.26539206 Ω 286.79867
rms res. 0''94 (M-C) 1953–1994 *e* 0.1940171 *i* 5.88826

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Williams**
(3751) Kiang Obs. 22 *M* 18.24823 ω 12.65095
H 11.8 *G* 0.15 Opp. 6 *n* 0.17701088 Ω 271.86111
rms res. 0''97 (M-C) 1954–1994 *e* 0.1047714 *i* 13.28948

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Bowell**
(3775) Ellenbeth Obs. 12 *M* 202.65308 ω 312.91597
H 12.3 *G* 0.15 Opp. 5 *n* 0.21193458 Ω 30.92493
rms res. 0''41 (M-C) 1931–1994 *e* 0.2308090 *i* 8.24448

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Williams**
(3808) Tempel Obs. 15 *M* 204.23005 ω 10.40971
H 14.9 *G* 0.15 Opp. 4 *n* 0.28124351 Ω 153.36927
rms res. 0''83 (M-C) 1975–1989 *e* 0.1474799 *i* 6.32264

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5 **Bowell**
(4096) Kushiro Obs. 33 *M* 230.53923 ω 303.23976
H 11.8 *G* 0.15 Opp. 6 *n* 0.20942020 Ω 19.22000
rms res. 0''99 (M-C) 1971–1994 *e* 0.1531469 *i* 9.07986

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(4310) Strömholm Obs. 27 *M* 182.34593 ω 350.77365
H 13.6 *G* 0.15 Opp. 7 *n* 0.31026332 Ω 178.67638
 rms res. 0".96 (M-C) 1955–1993 *e* 0.0550503 *i* 3.51302

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(4361) Nezhdanova Obs. 41 *M* 336.52708 ω 358.76381
H 12.3 *G* 0.15 Opp. 5 *n* 0.17753835 Ω 75.05710
 rms res. 0".84 (M-C) 1954–1990 *e* 0.1738453 *i* 2.73238

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(4483) Petöfi Obs. 37 *M* 334.36195 ω 186.14828
H 11.9 *G* 0.15 Opp. 6 *n* 0.36973460 Ω 184.31775
 rms res. 0".85 (M-C) 1986–1994 *e* 0.0836168 *i* 26.72235

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(4626) Plisetskaya Obs. 27 *M* 203.46002 ω 164.39260
H 12.7 *G* 0.15 Opp. 5 *n* 0.28772081 Ω 19.92483
 rms res. 0".85 (M-C) 1955–1990 *e* 0.0815095 *i* 2.82706

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(4832) Palinurus Obs. 23 *M* 200.87353 ω 207.57639
H 9.6 *G* 0.15 Opp. 4 *n* 0.08236038 Ω 135.24697
 rms res. 0".86 (M-C) 1988–1992 *e* 0.1392443 *i* 19.07233

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(4998) 1986 VG Obs. 41 *M* 126.71193 ω 104.49983
H 11.3 *G* 0.15 Opp. 7 *n* 0.18843666 Ω 352.69604
 rms res. 0".77 (M-C) 1955–1991 *e* 0.0669521 *i* 9.90308

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
(5086) 1978 RH₁ Obs. 39 *M* 68.53483 ω 81.90007
H 13.7 *G* 0.15 Opp. 6 *n* 0.30689561 Ω 183.39068
 rms res. 0".98 (M-C) 1978–1994 *e* 0.1137117 *i* 3.38706

(6107)* 1948 AF = 1990 VF₁

Discovered 1948 Jan. 14 by C. A. Wirtanen at the Lick Observatory.

Id. R. Nagata (*MPC* 17623)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
M 48.43048 (2000.0) **P** **Q**
n 0.38679821 ω 85.60001 –0.86182310 +0.29579843
a 1.8655766 Ω 111.16437 –0.40588069 –0.88935637
e 0.0828602 *i* 26.22047 +0.30417399 –0.34863812
P 2.55 *H* 14.3 *G* 0.15

Residuals in seconds of arc

480114 662	1.4+	1.3–	901125 413	1.1+	0.6–	921012 413	0.3–	0.0
480114 662	1.9+	1.4–	901125 413	0.3–	0.6+	940311 596	0.1+	1.3+
480117 662	0.4–	0.3+	901126 413	2.3–	1.0+	940311 596	0.2–	0.6+
480117 662	0.0	0.1–	901128 413	0.2+	0.0	940311 596	0.2+	0.7–
480122 662	1.3–	0.0	920703 413	0.0	0.4–	940402 292	0.5–	0.3–
480122 662	1.4–	0.3+	920703 413	0.1+	0.4–	940402 292	0.2+	1.0–
901112 413	0.8–	0.9–	920704 413	0.2+	0.6–	940424 292	0.3–	0.7+
901112 413	0.1–	0.0	920704 413	0.2+	0.6–	940424 292	0.7+	0.5–
901113 413	2.4+	0.0	921012 413	0.3–	0.1+			

(6108)* 1971 QN = 1978 WQ₁₃ = 1980 FW₆

Discovered 1971 Aug. 18 by T. M. Smirnova at the Crimean Astrophysical Observatory.

Id. S. Nakano (*JAM* 1812)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
M 35.40149 (2000.0) **P** **Q**
n 0.30329841 ω 56.48121 +0.76551633 +0.64147053
a 2.1939293 Ω 263.56529 –0.60575445 +0.69232924
e 0.2027245 *i* 2.88434 –0.21690156 +0.33044784
P 3.25 *H* 14.3 *G* 0.15

Residuals in seconds of arc

710818 095	0.3+	0.4–	811003 095	(5.3+	4.1+)	940904 801	0.0	0.1–
710824 095	(3.8+	1.3+)	811026 675	0.1–	1.0+	940904 801	0.5+	0.6–
710830 095	0.0	0.5+	870522 675	(14.3–	0.8+)	940908 801	0.4–	0.4+
781129 675	0.6+	0.3+	870523 675	1.3–	1.1–	940908 801	0.2–	0.2+
781130 675	1.5–	1.3–	900401 675	0.9+	1.6+	941004 801	0.3–	0.2+
800323 809	0.8–	0.5–	900401 675	1.1+	1.0+	941004 801	0.6–	0.2+
800323 809	0.1+	1.4–	900525 675	0.3–	1.0–	941007 801	1.4+	1.2–

(6109)* 1975 QC = 1986 RV₁

Discovered 1975 Aug. 29 at El Leoncito.

Id. S. Nakano (*MPC* 14779)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
M 86.51503 (2000.0) **P** **Q**
n 0.27387836 ω 171.47370 +0.92634273 +0.37563549
a 2.3483576 Ω 166.36026 –0.35223609 +0.89021382
e 0.1377481 *i* 6.83279 –0.13348736 +0.25771561
P 3.60 *H* 13.9 *G* 0.15

Residuals in seconds of arc

750811 808	1.0–	0.7+	860906 046	1.2+	2.2–	901117 809	0.9–	0.3–
750811 808	0.5–	0.2–	860907 095	0.3+	2.5–	901117 809	0.7–	0.4+
750829 808	0.3–	0.6+	860912 095	(0.5+	4.4–)	901121 809	0.5+	0.4+
750829 808	0.8–	0.8+	890706 675	1.2+	1.8–	901121 809	0.1–	0.2+
750901 808	1.2+	0.9+	890706 675	0.1–	0.8–	901121 809	1.4–	0.8+
750901 808	2.1+	0.1+	901115 809	0.2–	0.1+	930624 801	0.4–	0.1+
750904 808	0.8+	1.0+	901115 809	0.3+	1.5–	930624 801	0.3–	0.3+
750904 808	1.3–	0.9+	901115 809	0.2+	0.0	930717 801	0.5–	0.4+
750907 808	1.5–	0.6+	901115 801	0.3–	0.8+	930717 801	0.0	0.3–
750907 808	0.7–	0.0	901115 801	0.3–	0.7+	930718 801	0.6–	0.4+
860905 046	2.3+	0.1–	901117 809	1.4+	0.1+			

(6110)* 1978 NQ₁ = 1978 OC = 1962 PC = 1989 YC₄

Discovered 1978 July 4 by L. I. Chernykh at the Crimean Astrophysical Observatory.

Id. B. G. Marsden (d, *MPC* 9203), S. Nakano (*MPC* 15875)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5
M 38.19916 (2000.0) **P** **Q**
n 0.30833649 ω 345.21379 –0.04692290 +0.99662577
a 2.1699652 Ω 282.06275 –0.90933853 –0.07052060
e 0.2258530 *i* 3.94882 –0.41340256 +0.04199909
P 3.20 *H* 14.0 *G* 0.15

Residuals in seconds of arc

620801 760	2.2−	0.3+	910812 801	1.4+	0.1−	910915 675	0.2−	0.4−
620801 760	0.7+	1.2+	910812 801	0.2+	0.2−	910915 675	0.9−	0.4−
780704 095	1.5+	0.5−	910907 801	0.3−	0.6+	910917 675	0.5+	0.5−
780708 095	0.5+	1.4+	910907 801	0.1−	0.7+	910917 675	0.1−	0.8−
780730 414	0.0	1.1+	910909 801	0.2−	0.9+	940705 801	0.4−	0.1−
780730 414	0.6−	0.9+	910909 801	0.4−	1.4+	940705 801	0.2+	0.1−
891230 413	1.2−	0.3+	910912 801	0.6+	0.4+	940711 801	0.1+	0.4−
891230 413	0.2+	1.7+	910912 801	0.6+	0.2+	940711 801	0.2−	0.5−
891231 413	1.0+	1.2+	910913 675	0.2+	0.9−	941004 801	0.4−	0.5−
891231 413	1.6+	1.1+	910913 675	0.3−	0.6−	941004 801	0.2−	0.2+
910809 675	1.2−	0.4+	910914 675	0.0	0.3−			
910810 675	0.6+	0.6−	910914 675	0.0	0.2−			

(6111)* 1979 SP₁₃ = 1979 SW₃ = 1969 AP = 1973 AO₄ = 1973 CN
= 1983 UX

Discovered 1979 Sept. 20 by S. J. Bus at Palomar.

Id. G. V. Williams (d. *MPC* 18264), H. Kaneda (*MPC* 18415)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Bowell

<i>M</i>	288.98563		(2000.0)	P	Q
<i>n</i>	0.25685596	ω	310.73018	+0.68235604	−0.72769424
<i>a</i>	2.4509979	Ω	96.09655	+0.69004181	+0.60972298
<i>e</i>	0.1991862	<i>i</i>	4.01672	+0.24131419	+0.31416393
<i>P</i>	3.84	<i>H</i>	12.9	<i>G</i>	0.15

Residuals in seconds of arc

561103 760	1.6−	0.1+	911205 801	0.0	0.2−	911229 886	(2.4−	1.3+)
561103 760	0.1−	0.5−	911205 801	0.0	0.1−	911229 886	1.4−	1.2+
690115 095	(1.4−	4.0−)	911215 894	0.7+	0.5+	920106 801	0.2−	0.3−
730103 095	1.0+	1.8−	911215 894	0.2+	0.1−	920106 801	0.2−	0.4−
730203 095	0.6+	0.6−	911216 894	0.0	0.1−	920108 801	0.1−	0.7−
790920 675	0.7+	0.8−	911216 894	0.1−	0.5+	920108 801	0.1−	0.4−
790921 675	1.0+	0.5−	911228 886	0.4−	1.0+	940706 689	0.2−	0.1+
790924 095	(2.1−	2.1−)	911228 596	0.3−	0.2+	940907 689	0.2−	0.2+
831030 675	1.0+	1.3+	911228 596	0.1−	0.2−	940909 689	0.4−	0.2−
831104 675	(6.0+	5.6+)	911228 596	0.3−	0.1+			

(6112)* 1981 DB₁ = 1972 TR₇ = 1983 VG

Discovered 1981 Feb. 28 by S. J. Bus at Siding Spring in the course of the U.K. Schmidt-Caltech Asteroid Survey.

Id. K. Hurukawa (*JAM* 1901), H. Kaneda (*MPC* 15703), L. D. Schmadel (*ibid.*)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	18.98376		(2000.0)	P	Q
<i>n</i>	0.17928867	ω	127.68264	+0.91453095	+0.38504053
<i>a</i>	3.1148286	Ω	210.25795	−0.40275930	+0.89525819
<i>e</i>	0.2528781	<i>i</i>	14.24632	+0.03765763	+0.22417976
<i>P</i>	5.50	<i>H</i>	12.5	<i>G</i>	0.15

Residuals in seconds of arc

721006 095	(1.1+	7.6+)	810501 413	0.9+	0.8−	941003 801	0.6−	0.5+
810209 413	(3.0−	0.2+)	810503 413	0.9−	1.5−	941003 801	0.2−	0.4+
810212 413	0.6−	0.8−	831101 801	0.0	0.3+	941005 801	0.1−	0.1+
810228 413	2.0−	1.4+	930524 801	0.4+	1.4−	941005 801	0.2−	0.2+
810306 413	0.3−	2.0+	930524 801	0.3+	0.0	941008 596	0.7−	0.9−
810306 413	1.5+	0.1−	930527 801	0.6−	1.3+	941008 596	0.4−	0.9−

810308 413	0.2−	0.0	930527 801	0.5−	0.2+	941009 596	1.1+	0.1−
810308 413	0.5+	0.8−	930618 801	0.1+	0.1−	941009 596	0.2+	0.2−
810312 413	0.3−	0.5+	930618 801	0.2+	0.1+	941009 596	0.0	0.1−
810312 413	1.2+	0.5−	940908 801	0.1−	0.3+			
810408 413	(2.9+	0.1+)	940908 801	1.2+	0.1+			

(6113)* 1982 SX₅ = 1956 TB₁

Discovered 1982 Sept. 16 by L. I. Chernykh at the Crimean Astrophysical

Observatory.

Id. T. Kobayashi (*MPC* 13691)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	311.49757		(2000.0)	P	Q
<i>n</i>	0.22765428	ω	351.08488	+0.62467869	+0.78046193
<i>a</i>	2.6563513	Ω	317.56820	−0.71408530	+0.55766643
<i>e</i>	0.1958556	<i>i</i>	2.17500	−0.31600428	+0.28264346
<i>P</i>	4.33	<i>H</i>	12.6	<i>G</i>	0.15

Residuals in seconds of arc

500321 675	1.1−	0.7+	860808 095	2.1−	1.7−	911205 801	0.5+	1.0−
500321 675	0.5+	0.2+	911007 801	0.5−	0.2+	940408 801	1.1+	0.9+
561001 024	(1.2−	6.3−)	911007 801	1.8−	1.3+	940415 801	0.3+	1.0+
561010 024	(2.8−	4.0−)	911011 801	0.3+	0.0	940415 801	0.0	0.6+
820916 095	0.5+	2.0+	911011 801	0.4+	0.0	940515 801	0.8+	1.1−
820920 095	0.4+	2.1+	911108 801	0.3−	0.6−	940515 801	0.4+	0.5−
820926 095	1.2+	0.1+	911108 801	0.5−	0.9−			
821022 095	(3.1−	0.6+)	911205 801	0.3−	0.3−			

(6114)* 1984 HS₁ = 1978 QS₂

Discovered 1984 Apr. 28 by W. Ferreri and V. Zappalà at the European

Southern Observatory.

Id. T. Kobayashi (*MPC* 13856)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	338.53097		(2000.0)	P	Q
<i>n</i>	0.29592530	ω	67.15999	+0.29382864	+0.95570075
<i>a</i>	2.2302214	Ω	219.94027	−0.88658873	+0.26570906
<i>e</i>	0.1280473	<i>i</i>	1.54807	−0.35724663	+0.12662847
<i>P</i>	3.33	<i>H</i>	13.9	<i>G</i>	0.15

Residuals in seconds of arc

780831 095	1.0−	1.1+	880911 071	(3.4−	0.2+)	910711 801	0.1+	0.0
780905 095	0.3+	1.8+	880916 675	0.4+	0.6−	910711 801	0.4+	0.0
840428 809	1.8+	2.0−	880916 675	0.5+	1.2−	910715 801	0.2+	0.4−
840428 809	0.6+	1.2−	881007 675	0.9−	0.9−	910715 801	0.2+	0.0
840429 809	0.6+	0.7−	881007 675	0.7+	0.5−	940408 801	0.3+	0.3+
840429 809	0.4−	0.6−	881009 675	0.9+	0.2+	940408 801	0.4+	1.1−
840502 809	0.4−	1.6+	881009 675	1.2+	0.6−	940414 801	0.3−	1.0−
840502 809	1.1−	0.8+	910611 801	1.7−	0.1+	940414 801	0.3+	1.7−
840505 809	0.5−	1.0+	910611 801	0.3−	0.2+	940510 801	0.3−	0.2+
840505 809	1.0−	1.4+	910614 801	0.3+	0.4+	940510 801	0.1−	0.1−
880911 675	0.5−	1.4−	910614 801	0.1+	0.5+	940513 801	0.7−	0.3+
880911 675	0.6−	0.5−	910709 801	0.2+	0.2+			
880911 071	(5.1−	3.2−)	910709 801	0.2+	0.2−			

(6115)* 1984 SR₂ = 1989 CF₈

Discovered 1984 Sept. 25 by B. A. Skiff at the Anderson Mesa station of the Lowell Observatory.

Id. S. Nakano (*MPC* 15244)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	341.50535	(2000.0)	P	Q
<i>n</i>	0.29679362	ω 66.68091	+0.91753794	-0.39327446
<i>a</i>	2.2258694	Ω 316.41550	+0.32652128	+0.82954988
<i>e</i>	0.1553378	<i>i</i> 4.89397	+0.22695371	+0.39646211
<i>P</i>	3.32	<i>H</i> 14.1	<i>G</i> 0.15	

Residuals in seconds of arc

840925 688	0.6+	0.4-	890209 809	0.2+	0.7-	890302 809	1.9+	0.3+
840925 688	(3.9+	0.7-)	890211 809	0.4-	0.4-	890302 809	1.8+	0.2+
840928 688	1.4-	0.7-	890211 809	0.1+	0.5-	890302 809	1.7+	0.2+
840928 688	1.4+	0.9-	890211 809	0.3-	0.3-	911212 596	0.6-	1.9+
841026 688	(1.2+	3.9-)	890212 809	1.4-	0.1+	911212 596	0.2+	0.3-
841026 688	1.5+	1.6-	890212 809	1.0-	0.1+	911212 596	0.5+	0.2+
890204 071	(3.9-	0.4+)	890212 809	0.6-	0.0	940904 411	0.3+	0.6-
890205 071	1.8-	1.3+	890228 809	0.0	0.1+	940904 411	0.9-	0.2+
890208 809	0.6-	1.0-	890228 809	0.6-	0.3+	941003 801	0.3-	0.9+
890208 809	0.1-	1.0-	890228 809	1.4-	0.5+	941003 801	0.1-	0.7+
890208 809	0.2+	0.9-	890301 809	0.6+	0.3+	941006 801	0.2-	0.7+
890209 809	0.0	0.8-	890301 809	0.4+	0.4+	941006 801	0.1+	0.2+
890209 809	0.1+	0.7-	890301 809	0.5+	0.5+			

(6116)* 1984 UB₃ = 1989 TQ₁₁

Discovered 1984 Oct. 26 by E. Bowell at the Anderson Mesa station of the Lowell Observatory.

Id. E. Bowell (*MPC* 15884)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	326.89914	(2000.0)	P	Q
<i>n</i>	0.19116453	ω 137.24609	+0.84149988	-0.54007523
<i>a</i>	2.9844514	Ω 255.44775	+0.49168154	+0.77633870
<i>e</i>	0.0990484	<i>i</i> 0.83023	+0.22389108	+0.32498765
<i>P</i>	5.16	<i>H</i> 13.0	<i>G</i> 0.15	

Residuals in seconds of arc

841026 688	0.2+	0.5-	910114 801	0.6+	0.8+	910210 801	0.0	1.4+
841026 688	1.5+	1.6-	910117 046	1.4+	1.7-	920403 303	0.4-	1.3-
841028 046	0.3-	1.7-	910117 046	0.9+	1.6-	920403 303	0.7+	0.1-
841028 046	0.0	0.6-	910118 511	0.4-	0.7+	920403 303	0.8+	1.2+
841029 046	0.1-	1.1-	910118 511	(3.6-	1.0+)	920404 303	1.5-	0.5-
841029 046	1.2-	1.9-	910118 046	0.4-	0.8+	920404 303	0.1+	0.4-
841030 046	0.1+	2.2-	910118 046	1.5+	0.5-	920404 303	0.7+	1.3+
841030 046	0.2+	2.3-	910118 511	0.8-	1.1+	940909 046	0.6-	0.0
891002 807	1.4+	0.8+	910119 511	(4.8-	1.9+)	940909 046	0.5-	0.0
891002 809	0.1-	1.2+	910119 511	(3.7-	0.9+)	940909 046	0.4-	0.3-
891002 809	0.2+	1.5+	910119 801	0.1-	0.7+	940910 046	0.6-	0.1-
891002 809	0.6+	1.5+	910119 801	0.3-	0.7+	940910 046	1.0-	0.2+
891003 809	0.7-	0.7+	910119 046	0.2-	1.1-	940910 046	1.0-	0.2+
891003 809	0.3-	1.0+	910119 046	1.6+	2.3-	941004 046	0.1+	0.4+
891003 809	0.1-	1.1+	910120 511	2.3-	0.4+	941004 046	0.1+	0.5+
891004 807	0.9+	0.7+	910120 511	1.0-	1.8+	941004 046	0.3+	0.6+
891028 807	1.0+	0.7+	910209 801	0.1+	1.4+	941006 046	0.9-	0.8+
891031 807	0.9+	0.5+	910209 801	0.1-	1.4+	941006 046	0.7-	0.9+
910114 801	0.7+	0.8+	910210 801	0.0	1.3+	941006 046	0.5-	0.6+

(6117)* 1985 CZ₁ = 1979 OO₅

Discovered 1985 Feb. 12 by H. Debehogne at the European Southern Observatory.

Id. K. Hurukawa (*MPC* 10309), L. D. Schmadel (*ibid.*)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	293.22854	(2000.0)	P	Q
<i>n</i>	0.27477313	ω 143.25284	+0.01444947	-0.99614303
<i>a</i>	2.3432568	Ω 305.76055	+0.89013431	+0.05224248
<i>e</i>	0.0675603	<i>i</i> 6.12249	+0.45546913	-0.07049673
<i>P</i>	3.59	<i>H</i> 13.2	<i>G</i> 0.15	

Residuals in seconds of arc

540731 675	0.5+	1.6-	850219 809	0.8-	0.4-	900917 675	1.5+	0.3+
540731 675	0.7+	0.6-	850219 809	0.5-	0.2-	900917 675	0.8+	0.1+
790724 675	2.1-	1.2+	850219 809	0.2-	0.4-	920102 877	0.0	0.7-
790725 675	0.8-	1.0+	850220 809	0.3-	0.2+	920102 877	0.6+	0.3+
850212 809	0.8-	0.7+	850220 809	0.2-	0.1-	920103 877	0.8+	0.1-
850212 809	0.7-	0.5+	850220 809	0.1+	0.0	920103 877	0.2-	0.3+
850212 809	0.4-	0.5+	850222 809	0.3-	0.5+	920106 400	2.1+	0.3+
850214 809	0.2+	0.7-	850222 809	0.1+	0.1+	920106 400	(3.9+	0.8-)
850214 809	0.1+	0.7-	850222 809	0.0	0.4+	920209 691	0.8-	0.3-
850214 809	0.1+	0.8-	850224 809	1.1+	0.1+	920209 691	1.5-	0.3+
850215 809	0.1-	0.1+	850224 809	0.9+	0.4-	920209 691	1.5-	0.7+
850215 809	0.0	0.1-	850224 809	0.5+	0.2-	940902 801	0.7+	0.3-
850215 809	0.5+	0.4-	850225 809	0.4+	0.0	940902 801	0.1-	0.9-
850216 809	0.7+	0.0	850225 809	0.1+	0.0	940908 801	0.6-	0.3-
850216 809	0.5+	0.1-	850225 809	0.3+	0.3+	940908 801	0.7-	0.0
850216 809	0.8+	0.3-	850226 809	0.5+	0.4-	941001 801	1.0-	0.2+
850217 809	1.2-	0.2+	850226 809	0.6+	0.2-	941001 801	0.1-	0.6+
850217 809	1.3-	0.4+	850226 809	1.2+	0.8-	941003 801	1.2+	0.3+
850217 809	1.1-	0.5+	850227 809	0.1-	0.7+	941003 816	0.2+	0.0
850218 809	0.4-	0.2-	850227 809	0.1+	0.4+	941003 801	0.6-	0.0
850218 809	0.3-	0.1-	850228 809	0.3+	0.4+	941003 816	0.2+	0.2+
850218 809	0.1-	0.2-	850228 809	0.3+	0.2-	941003 816	0.1+	0.1+

(6118)* 1986 QX₃ = 1977 DE₂

Discovered 1986 Aug. 31 by H. Debehogne at the European Southern Observatory.

Id. T. Kobayashi (*MPC* 12207)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	65.09878	(2000.0)	P	Q
<i>n</i>	0.25283078	ω 163.26146	+0.15793199	+0.98585942
<i>a</i>	2.4769434	Ω 115.79626	-0.91294704	+0.16740074
<i>e</i>	0.1561260	<i>i</i> 3.56753	-0.37627808	+0.00762927
<i>P</i>	3.90	<i>H</i> 13.5	<i>G</i> 0.15	

Residuals in seconds of arc

770218 381	1.2+	0.2-	860904 809	0.1+	0.0	890326 046	1.9-	2.0-
770218 381	0.0	0.8+	860904 809	1.2-	0.2+	890326 046	(1.4-	4.3-)
770219 381	0.4+	0.5+	860904 809	0.9-	0.2+	890327 046	1.1-	0.1-
770219 381	0.4-	0.7+	860904 809	0.8-	0.2+	890327 046	(3.7-	0.6-)
860812 095	(1.2-	7.7-)	860905 809	0.2-	0.0	890328 046	0.7-	1.4-
860831 809	0.2+	0.2+	860905 809	0.3-	0.1-	890328 046	0.6-	2.3-
860831 809	0.1+	0.2+	860905 809	0.4-	0.2-	890330 046	(2.8-	1.7-)
860831 809	0.2+	0.1+	860905 809	0.1-	0.2+	890330 046	(2.5+	4.1-)

860901 809	0.9–	0.5+	860905 809	0.0	0.3+	930418 413	1.6+	0.5+
860901 809	1.0–	0.1+	860905 809	0.1–	0.3+	930419 801	0.5+	0.2–
860901 809	0.8–	0.3+	860906 809	0.0	0.3+	930419 801	0.4+	0.4–
860901 809	0.4–	0.3+	860906 809	0.1+	0.1+	930420 691	0.5–	0.6+
860901 809	0.3–	0.2+	860906 809	0.0	0.1+	930420 691	0.0	0.6+
860901 809	0.3–	0.2+	860907 809	0.8+	0.5+	930420 691	0.0	0.4+
860902 809	0.2–	0.2–	860907 809	1.0+	0.8+	940902 801	1.5+	0.5–
860902 809	0.4–	0.2–	860907 809	1.1+	0.7+	940902 801	1.2+	0.3–
860902 809	0.3–	0.2–	860909 809	0.9+	0.3–	940908 801	0.0	0.3–
860903 809	1.0–	0.2–	860909 809	1.0+	0.3–	940908 801	0.0	0.2–
860903 809	1.0–	0.3–	860909 809	1.2+	0.1–	941007 801	0.5–	1.1–
860903 809	0.9–	0.3–	860911 809	1.7+	1.0–	941007 801	0.7–	0.9–
860904 809	0.1–	0.1+	860911 809	1.5+	1.0–			
860904 809	0.1+	0.1–	860911 809	1.6+	0.9–			

(6119)* 1986 XH = 1983 AP₂

Discovered 1986 Dec. 6 by P. Jensen at Brorfelde.

Id. T. Kobayashi (*MPC* 12005)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

			Williams		
<i>M</i>	285.85239	(2000.0)	P	Q	
<i>n</i>	0.23321443	ω 183.43586	–0.00974947	–0.97942321	
<i>a</i>	2.6139610	Ω 267.19333	+0.92218266	+0.06913861	
<i>e</i>	0.1216521	<i>i</i> 11.64362	+0.38663172	–0.18960493	
<i>P</i>	4.23	<i>H</i> 13.2	<i>G</i> 0.15		

Residuals in seconds of arc

510730 675	0.3–	0.0	861205 010	(4.6–	5.3–)	940911 046	0.8+	1.2+
510730 675	0.5+	0.3–	861206 054	2.0–	0.6–	940911 046	0.6+	1.3+
521024 760	0.5–	1.9+	861207 046	1.0+	0.1–	940924 046	0.4+	0.1–
521024 760	0.1+	0.0	861207 046	0.0	0.5–	940924 046	0.3+	0.1+
830110 675	0.7+	0.6–	861209 046	1.0+	0.2–	940924 046	0.0	0.1–
830110 675	1.7–	1.0–	861209 046	2.2+	1.3+	941004 046	0.4–	0.5–
830111 675	0.3–	1.4+	901013 046	0.8+	0.2–	941004 046	0.3–	0.6–
830112 675	0.1–	0.8–	901013 046	1.4–	0.4–	941004 046	0.2–	0.6–
861129 046	0.4–	0.3–	901015 046	0.8+	1.3–	941006 046	0.4–	0.7–
861129 046	1.2+	0.1+	901015 046	0.4–	0.3–	941006 046	0.6–	0.2–
861204 046	0.3–	0.8+	901110 046	0.1–	0.6–	941006 046	0.4–	0.5–
861204 046	0.2–	0.9+	901110 046	1.2–	0.2–			
861204 010	(5.7–	3.2–)	940911 046	1.1+	0.9+			

(6120)* 1987 QR = 1969 TS

Discovered 1987 Aug. 21 by F. Börngen at Tautenburg.

Id. T. Kobayashi (*MPC* 15887)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

			Williams		
<i>M</i>	338.52040	(2000.0)	P	Q	
<i>n</i>	0.27273536	ω 152.79703	+0.96588405	+0.25873388	
<i>a</i>	2.3549142	Ω 192.22358	–0.24616583	+0.90385911	
<i>e</i>	0.2204334	<i>i</i> 3.02423	–0.08043867	+0.34072788	
<i>P</i>	3.61	<i>H</i> 14.3	<i>G</i> 0.15		

Residuals in seconds of arc

691007 095	0.3+	0.3–	911006 033	0.1+	0.4+	940712 033	0.4–	0.3–
691016 095	0.7–	1.5+	911006 033	0.2+	0.2+	940712 033	1.6–	0.4–
870821 033	0.5–	0.1+	911008 033	0.1+	0.6+	940712 033	1.3–	0.1+
870822 033	0.9–	0.1–	911009 033	0.4–	0.2+	940713 033	0.1+	0.5+

870823 033	0.8–	0.4–	911010 033	0.7–	0.4+	940807 801	0.6+	0.9+
870916 095	0.2+	0.1+	911227 691	0.7–	0.1+	940807 801	0.1+	0.6+
870917 095	2.0+	1.5–	920103 033	1.2+	0.6–	940809 801	0.7+	0.2–
870923 095	0.3+	0.1+	920103 033	0.2+	0.8–	940809 801	2.2+	0.6–

(6121)* 1987 RU₃ = 1977 UN₁ = 1980 PU₃

Discovered 1987 Sept. 2 by L. I. Chernykh at the Crimean Astrophysical Observatory.

Id. E. Bowell (*MPC* 18112), G. V. Williams (*ibid.*)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

			Williams		
<i>M</i>	14.42317	(2000.0)	P	Q	
<i>n</i>	0.28978769	ω 140.12257	+0.99579027	–0.08254417	
<i>a</i>	2.2616016	Ω 224.66213	+0.06274271	+0.93078603	
<i>e</i>	0.1878225	<i>i</i> 3.25012	+0.06682135	+0.35612332	
<i>P</i>	3.40	<i>H</i> 13.5	<i>G</i> 0.15		

Residuals in seconds of arc

771018 095	0.1–	0.0	920130 809	1.0–	0.1+	920212 809	0.3+	0.5–
800803 675	0.5–	0.3+	920130 809	1.1–	0.1+	920212 809	0.1+	1.2–
800805 675	0.1–	0.2+	920202 809	0.7+	0.2+	940908 801	0.2+	0.3+
870902 095	1.9+	0.6–	920202 809	0.8+	0.1–	940908 801	0.3+	0.2+
870917 095	(2.7+	3.3–)	920202 809	0.5+	0.1+	941003 801	0.0	0.5–
870917 095	1.2–	0.9+	920206 809	0.3–	1.2+	941003 801	0.4–	0.1+
870923 095	(2.6–	1.4–)	920206 809	0.1+	1.0+	941007 801	0.0	0.3–
870926 095	(1.1+	4.4–)	920206 809	0.5–	1.4+	941007 801	0.6–	0.1–
920130 809	0.3–	0.6–	920212 809	1.4+	1.0–			

(6122)* 1987 SW₁ = 1980 TS₁₂ = 1980 UD₁

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

Id. L. D. Schmadel (*MPC* 12560)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

			Williams		
<i>M</i>	330.80398	(2000.0)	P	Q	
<i>n</i>	0.27636609	ω 163.42232	+0.94325109	–0.31469901	
<i>a</i>	2.3342438	Ω 215.48619	+0.28017402	+0.92556072	
<i>e</i>	0.1578637	<i>i</i> 10.52398	+0.17826918	+0.21048014	
<i>P</i>	3.57	<i>H</i> 13.5	<i>G</i> 0.15		

Residuals in seconds of arc

510826 675	0.1+	0.2–	871016 688	0.2–	0.9–	940803 689	0.0	0.0
510826 675	0.5–	0.3–	871016 688	0.5–	1.6+	940827 563	0.2+	0.4+
801010 095	0.3+	2.2+	871023 095	(2.8–	10.3+)	940827 563	0.1+	0.3+
801017 095	1.5+	2.0–	871023 095	(7.2–	6.6+)	940902 801	0.2+	0.2–
870921 688	2.2–	0.1–	900818 675	0.8–	0.3+	940902 801	0.0	0.4–
870921 688	0.2+	0.2+	900818 675	1.2+	1.1+	940908 801	0.0	0.6–
870921 010	1.5–	0.3–	900821 675	0.5+	0.4+	940908 801	0.1+	0.7–
870922 010	2.2+	0.5–	920107 801	1.0–	0.7+	941004 801	0.0	0.0
870923 095	(4.8–	4.9+)	920107 801	0.2+	0.2–	941007 801	0.2–	0.1–
870926 095	(0.8–	5.8+)	940706 689	0.3–	0.1–	941007 801	0.3–	0.1+
870929 688	0.5+	0.7+	940801 689	0.0	0.4+			
870929 688	(1.0+	3.8+)	940802 689	0.2+	0.1–			

(6123)* 1987 SH₂ = 1955 RU = 1969 QE = 1971 BJ₂ = 1975 EL₃**= 1980 TR₁₀ = 1982 DF₆**

Discovered 1987 Sept. 19 by E. W. Elst at the Bulgarian National Observatory.

Id. H. Kaneda (*MPC* 17018)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	350.68333	(2000.0)	P	Q
<i>n</i>	0.27706335	ω 182.35649	+0.99683264	+0.07704724
<i>a</i>	2.3303259	Ω 173.13077	-0.07000514	+0.96768642
<i>e</i>	0.0632602	<i>i</i> 9.48434	-0.03773547	+0.24009729
<i>P</i>	3.56	<i>H</i> 13.7	<i>G</i> 0.15	

Residuals in seconds of arc

550913 760	0.5+	1.5-	870921 046	0.5+	0.5+	930422 691	0.3-	0.3+
690821 095	0.3+	2.1-	870921 046	0.1-	1.4-	930422 691	0.4-	0.1-
710127 805	0.1+	1.6-	870921 071	0.8-	1.5+	930424 691	0.2-	0.2-
750314 095	0.1-	1.5-	870922 071	0.8-	0.2+	930424 691	0.6+	0.6-
801008 095	(0.8+ 4.6-)		870924 095	0.4+	1.1+	930424 691	0.5+	0.5-
820227 010	0.6+	0.0	870926 801	(3.7+ 0.7-)		940903 801	0.0	0.1-
870919 071	(3.2- 0.2+)		870927 095	0.8+	1.6+	940903 801	0.3+	0.2+
870919 071	(3.2- 2.6+)		930419 691	0.1-	0.4+	940909 801	0.9+	0.2+
870919 071	0.3-	0.2+	930419 691	0.5-	0.2+	940909 801	0.9+	0.1+
870920 071	(3.5- 2.0-)		930419 691	0.5-	0.5+	941007 801	0.2-	0.9-
870921 071	2.3-	1.2-	930422 691	0.1+	0.5+	941007 801	0.2+	0.6-

(6124)* 1987 SL₁₀ = 1987 RK = 1971 SM = 1990 EQ₅

Discovered 1987 Sept. 29 by F. Börngen at Tautenburg.

Id. S. Nakano (d, *MPC* 14158), G. V. Williams (*MPC* 17205)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	293.74896	(2000.0)	P	Q
<i>n</i>	0.12465032	ω 244.87681	+0.70239307	-0.70963514
<i>a</i>	3.9689332	Ω 160.17176	+0.69759105	+0.67084906
<i>e</i>	0.2426701	<i>i</i> 9.38875	+0.14145918	+0.21535900
<i>P</i>	7.91	<i>H</i> 12.2	<i>G</i> 0.15	

Residuals in seconds of arc

710916 808	1.0+	0.9-	870930 033	0.5+	0.7-	910411 033	1.0-	0.2-
790920 675	0.3-	1.0-	870930 033	0.7-	0.9-	910411 033	0.0	0.2+
790921 675	0.2-	1.0-	871001 033	1.8-	0.6-	910413 688	0.7+	0.5+
870901 809	0.9-	0.2-	900302 809	0.3-	0.2-	910413 688	0.2-	1.7+
870901 809	1.3-	1.4+	900302 809	0.1-	0.1+	940710 033	0.2+	0.2-
870901 809	0.7-	2.0+	900302 809	0.1+	0.0	940710 033	0.7+	0.4-
870901 809	0.8+	1.7+	900303 809	0.4+	0.1+	940711 033	1.0-	0.2+
870902 809	0.7+	1.4+	900303 809	0.5+	0.3+	940711 033	0.7+	0.5-
870902 809	0.5+	0.9+	900303 809	0.5+	0.5+	940804 033	0.0	0.0
870902 809	0.7+	1.3+	900304 809	0.1-	0.7-	940804 033	0.5+	0.6+
870903 809	1.3+	0.7-	900304 809	0.0	0.5-	940806 033	0.6+	0.2-
870903 809	1.6+	1.0-	900304 809	0.0	0.5-	940809 033	0.9-	0.3+
870929 033	0.9-	1.0-	910409 033	0.9-	0.5-			
870929 033	0.6-	0.4-	910409 033	0.3+	0.6-			

(6125)* 1989 CN

Discovered 1989 Feb. 4 by S. Ueda and H. Kaneda at Kushiro.

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	12.88022	(2000.0)	P	Q
<i>n</i>	0.29735371	ω 210.03413	+0.99990835	-0.00752003
<i>a</i>	2.2230734	Ω 150.39037	+0.01123024	+0.92512387
<i>e</i>	0.1356781	<i>i</i> 1.30558	-0.00756084	+0.37959093
<i>P</i>	3.31	<i>H</i> 13.4	<i>G</i> 0.15	

Residuals in seconds of arc

511201 675	0.1+	0.4+	890208 809	0.4+	0.5+	890228 809	0.5+	0.8-
511201 675	0.1+	1.2-	890208 809	0.3+	0.8+	890228 809	0.5+	0.5-
540728 675	0.3+	0.0	890208 809	0.3+	0.6+	890228 809	0.6+	0.2-
540728 675	0.3-	0.1-	890210 809	0.4-	0.0	890228 809	0.7+	0.2+
890110 033	0.4+	0.7+	890210 809	0.2-	0.1-	890301 809	0.3+	0.0
890111 033	0.3+	0.4+	890210 809	0.0	0.1-	890301 809	0.2+	0.3-
890112 033	0.7+	0.3-	890211 399	2.4-	0.5+	890302 809	0.2-	0.4-
890204 399	(3.0- 1.0-)		890211 399	1.0-	1.6+	890302 809	0.0	0.4-
890204 399	(5.1- 1.2-)		890211 399	(2.6- 2.0+)		890302 809	0.0	0.3-
890204 399	1.9-	1.0-	890212 809	0.8+	0.0	940907 801	0.3+	0.2+
890204 399	1.3-	1.3+	890212 809	0.6+	0.0	940907 801	0.8+	0.2+
890205 399	2.2-	0.7-	890212 809	0.7+	0.0	940908 801	0.1-	0.0
890205 399	1.5-	0.1+	890227 809	1.2+	0.5-	940908 801	0.4+	0.6+
890205 399	0.7+	1.0-	890227 809	0.5+	0.2-	941004 801	0.5-	0.1+
890207 809	0.4+	0.7+	890227 809	0.1-	0.1+	941004 801	0.5-	0.1+
890207 809	0.5+	0.4+	890228 809	0.3+	0.7-	941007 801	0.1+	0.3-
890207 809	0.6+	0.5+	890228 809	0.3+	0.6-	941007 801	0.5-	0.1-

(6126)* 1989 EW₁ = 1953 GC₁ = 1991 YL

Discovered 1989 Mar. 5 by Z. Vávrová at Kletř.

Id. G. V. Williams (*MPC* 19678)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	320.85631	(2000.0)	P	Q
<i>n</i>	0.29872292	ω 34.91966	+0.52664630	-0.84985465
<i>a</i>	2.2162752	Ω 23.32025	+0.76812646	+0.46578105
<i>e</i>	0.1227015	<i>i</i> 2.86218	+0.36417773	+0.24656659
<i>P</i>	3.30	<i>H</i> 13.2	<i>G</i> 0.15	

Residuals in seconds of arc

530405 760	0.3+	2.2-	890228 809	0.5-	0.1+	911229 511	1.0+	0.5-
530405 760	1.9-	1.3-	890228 809	0.1-	0.1+	920101 511	0.2-	0.6-
840921 010	0.1-	0.2-	890228 809	0.0	0.3+	920104 511	0.2+	0.3-
890212 809	0.3-	0.9-	890302 809	0.0	0.0	920104 511	0.1-	0.2+
890212 809	0.3-	0.8-	890302 809	0.2+	0.0	940808 801	0.6+	0.6+
890212 809	0.1-	0.5-	890302 809	0.2+	0.1+	940808 801	0.5+	0.1+
890214 809	0.0	0.6+	890303 809	0.3-	0.1-	940930 046	0.2-	0.5+
890214 809	0.0	0.2+	890303 809	0.0	0.1+	940930 046	0.2-	0.2+
890217 809	0.0	0.3+	890303 809	0.3+	0.1+	940930 046	0.2-	0.4+
890217 809	0.0	0.5+	890305 046	0.0	0.3-	941001 801	0.3-	0.2+
890217 809	0.2-	0.5+	890305 046	2.1+	0.3-	941001 801	0.7-	0.4+
890218 809	0.2+	0.0	890306 046	1.0-	0.1+	941003 801	0.2+	0.1-
890218 809	0.3+	0.4-	890306 046	1.0+	0.8-	941003 801	0.1-	0.0
890224 809	0.5-	0.4+	890307 046	0.3+	2.1+	941004 046	0.1+	0.4-
890224 809	0.6-	1.6+	890307 046	1.5+	0.2-	941005 046	0.3+	0.0
890226 809	0.3-	0.8+	911228 511	0.1-	0.6-	941005 046	0.1-	0.5-
890226 809	0.0	0.9+	911228 511	0.7-	1.9-			
890226 809	0.3+	1.1+	911229 511	0.4+	0.2+			

(6127)* 1989 HD = 1984 EH₁

Discovered 1989 Apr. 25 by E. F. Helin at Palomar.

Id. C. M. Bardwell (*MPC* 22053)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5	Bardwell	
<i>M</i> 75.96130	(2000.0)	P Q
<i>n</i> 0.23428695	ω 115.63706	−0.16841668 +0.97551092
<i>a</i> 2.6059774	Ω 143.76564	−0.96827371 −0.13684390
<i>e</i> 0.1467934	<i>i</i> 13.84763	−0.18461268 −0.17219812
<i>P</i> 4.21	<i>H</i> 12.9	<i>G</i> 0.15

Residuals in seconds of arc

840303 801	0.1−	1.9−	890604 675	2.2+	0.3−	930419 801	0.6−	0.8+
890429 675	(0.7+	3.3−)	890604 675	2.0+	0.6+	930424 801	0.2+	0.0
890429 675	0.4+	2.4−	890606 675	0.5+	2.2−	930722 801	0.4−	1.0+
890503 675	1.6−	1.1−	890606 675	0.3+	1.0+	940903 801	1.0+	0.6+
890503 675	0.9−	0.6−	890710 675	0.4+	0.6−	940903 801	1.6+	1.4−
890529 675	0.3−	0.1+	890710 675	0.1−	1.3−	940907 801	0.7−	0.1+
890529 675	2.0−	1.3+	930326 801	0.0	0.3−	940907 801	0.7+	0.0
890601 675	1.7−	1.1+	930326 801	0.2−	0.1−	941007 801	1.8−	0.9−
890601 675	0.1+	1.5+	930327 801	0.8+	0.3−	941007 801	0.6−	0.4−
890602 675	0.4+	0.4+	930327 801	0.6+	0.2−			
890602 675	0.1−	0.2+	930419 801	0.5−	0.5+			

(6128)* 1989 LA = 1955 QK₁ = 1972 NE

Discovered 1989 June 3 by E. F. Helin at Palomar.

Id. S. Nakano (*MPC* 14958)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5	Williams	
<i>M</i> 64.04072	(2000.0)	P Q
<i>n</i> 0.22851413	ω 144.25557	+0.04486478 +0.99735695
<i>a</i> 2.6496836	Ω 128.24609	−0.93263776 +0.06231840
<i>e</i> 0.1826532	<i>i</i> 4.17316	−0.35801391 −0.03735691
<i>P</i> 4.31	<i>H</i> 13.1	<i>G</i> 0.15

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

550825 760	(0.03−	0.01+)	X	890605 675	2.2+	2.5−	930327 801	0.2+	0.3+
720715 095	1.7+	0.7−		890605 675	(2.9+	0.8−)	930419 801	1.0−	1.0−
720718 095	1.7−	0.3+		890630 675	0.6−	1.8+	930419 801	0.9−	0.3−
890603 675	1.8−	1.4−		890630 675	0.7+	2.0+	940908 801	0.9−	0.5+
890603 675	(2.5−	3.8−)		890703 675	0.1−	0.7+	940908 801	0.9−	0.7+
890603 675	0.2+	1.3−		890703 675	0.2−	2.0+	941004 801	0.7+	0.3−
890603 675	0.3−	0.5+		930326 801	0.6+	0.3+	941004 801	0.9+	0.5−
890605 675	0.2−	1.2−		930326 801	0.8+	0.7+	941007 801	0.3+	0.5−
890605 675	0.4+	0.1−		930327 801	0.2+	0.1+	941007 801	0.2+	0.5−

(6129)* 1989 RB₂ = 1950 DC = 1973 AZ

Discovered 1989 Sept. 4 by E. W. Elst at the European Southern Observatory.

Id. B. G. Marsden (*MPC* 15420), E. Goffin (*ibid.*)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5	Marsden	
<i>M</i> 129.23071	(2000.0)	P Q
<i>n</i> 0.21076953	ω 292.85322	−0.66638545 +0.73847709
<i>a</i> 2.7963884	Ω 294.94218	−0.63573816 −0.63484265
<i>e</i> 0.1656446	<i>i</i> 6.51423	−0.38957338 −0.22721442
<i>P</i> 4.68	<i>H</i> 11.5	<i>G</i> 0.15

Residuals in seconds of arc

500217 024	1.3−	1.6+	901121 400	(2.2+	0.7−)	940912 596	0.6+	1.0−
500223 024	1.9+	0.6+	901121 400	0.6+	0.2−	941001 801	0.2+	0.5−
730101 095	1.5+	1.0+	920221 399	0.7−	1.8−	941001 801	0.1+	0.2−
890904 511	1.8−	1.1−	920221 399	1.1−	0.2−	941003 801	0.6−	0.5−

890904 511	1.5+	0.7+	930722 801	0.5+	0.4−	941003 801	0.3+	0.4−
890905 511	1.6−	0.3+	930722 801	0.1−	1.0+	941004 596	0.2−	1.1+
890907 511	2.4−	1.5−	940908 801	0.0	1.2+	941004 596	0.1−	0.2+
890907 511	1.2+	0.8+	940908 801	0.5−	1.3+	941004 596	0.3+	1.3−
891002 071	2.2+	1.2+	940912 596	(3.9−	1.2−)			

(6130)* 1989 SL₅

Discovered 1989 Sept. 24 by R. H. McNaught at Siding Spring.

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

<i>M</i> 349.69459	(2000.0)	P Q
<i>n</i> 0.19061031	ω 189.54133	+0.84836882 +0.46080658
<i>a</i> 2.9902337	Ω 139.48623	−0.45541984 +0.88625566
<i>e</i> 0.5361048	<i>i</i> 23.65297	−0.26993167 −0.04699144
<i>P</i> 5.17	<i>H</i> 16.0	<i>G</i> 0.15

Residuals in seconds of arc

840806 413	2.1+	0.6−	890924 413	0.2−	0.7−	940618 413	0.1−	0.1+
840806 413	2.2−	0.7−	891003 413	0.6+	0.0	940618 413	0.3+	0.8−
841114 413	(2.6+	7.3−)	891008 413	0.5+	0.1+	940618 413	0.2−	0.1+
890904 413	1.0+	0.0	940502 413	0.5+	0.0	940725 413	0.2+	0.1+
890905 413	0.3−	0.2−	940502 413	0.0	0.1−	940725 413	0.4+	0.8+
890905 413	0.9−	1.2+	940504 413	0.3+	0.2−	940815 413	1.1−	0.6−
890924 413	0.6+	0.9+	940504 413	0.1+	0.2+	940815 413	0.9−	0.5−
890924 413	0.4−	0.2−	940617 413	0.1−	0.6+			
890924 413	0.1+	0.2+	940617 413	0.1−	0.2+			

(6131)* 1990 OO₃ = 1977 CK = 1992 AH

Discovered 1990 July 27 by H. E. Holt at Palomar.

Id. H. Kaneda (*MPC* 19679)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5	Williams	
<i>M</i> 294.61385	(2000.0)	P Q
<i>n</i> 0.26139957	ω 279.03839	+0.36978610 −0.92746930
<i>a</i> 2.4225131	Ω 149.07728	+0.88913166 +0.33596944
<i>e</i> 0.1277745	<i>i</i> 6.17855	+0.26963519 +0.16408908
<i>P</i> 3.77	<i>H</i> 14.1	<i>G</i> 0.15

Residuals in seconds of arc

770211 675	(12.5+	7.5−)	920104 399	(3.2−	0.4−)	940801 689	1.2−	0.5−
770212 675	0.8+	0.4−	920110 402	0.2+	0.7−	940802 689	0.1−	0.8−
770214 675	0.7−	0.7+	920110 402	0.3−	0.2−	940803 689	0.1+	0.8−
900726 033	(2.6+	0.8−)	920111 402	0.3−	0.2−	940903 801	0.1+	0.5+
900727 033	(3.7+	0.3+)	920111 402	0.3−	0.7−	940903 801	0.1−	0.5+
900727 675	0.1−	0.8−	920202 809	0.5+	0.3+	940907 801	0.0	0.0
900727 675	0.1+	0.7−	920202 809	0.2−	0.0	940907 801	0.5+	0.0
900730 675	0.6−	0.3−	920202 809	0.4−	0.1−	940907 689	0.0	0.2+
900730 675	0.6−	1.1−	920207 809	0.1−	0.5−	940908 689	0.5+	0.4+
900914 675	2.1+	1.5−	920207 809	0.6+	0.4−	940909 689	0.2+	0.3−
900914 675	(2.7+	1.1−)	920207 809	1.2+	1.0−	941007 801	0.3−	0.9+
920102 399	0.1+	1.7+	920212 809	0.3+	0.3−	941007 801	0.2−	0.6+
920102 399	0.4−	0.2+	920212 809	0.9−	0.3−			
920104 399	0.1+	0.8−	920212 809	0.8−	0.5−			

(6132)* 1990 QY₃ = 1986 PO = 1989 EF₂

Discovered 1990 Aug. 22 by H. E. Holt at Palomar.

Id. S. Nakano (*MPC* 17214)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	64.30879	(2000.0)	P	Q
<i>n</i>	0.25442746	ω 296.44906	+0.09239654	+0.99554676
<i>a</i>	2.4665697	Ω 338.82749	-0.89413230	+0.07469270
<i>e</i>	0.1617850	<i>i</i> 2.96712	-0.43816698	+0.05751214
<i>P</i>	3.87	<i>H</i> 13.4	<i>G</i> 0.15	

Residuals in seconds of arc

860801 675(22.7- 0.3-)	900826 809	0.3- 1.0-	930320 801	1.0+ 0.5-
860801 675(24.2- 0.5+)	900827 675	(0.4+ 3.3-)	930321 809	(3.7- 0.8-)
860802 675 0.3- 0.4-	900827 675	0.2+ 1.5-	930322 809	0.3- 1.9-
860802 675 2.0+ 0.8+	900913 809	0.1+ 0.1+	930323 801	0.3- 0.1-
860804 675 (4.4- 0.3-)	900913 809	0.7+ 0.2-	930323 801	0.4- 0.1+
860804 675 (7.4- 0.8-)	900913 809	1.2+ 0.2+	930324 809	1.0+ 1.0+
890306 046 1.3- 1.1-	900914 809	0.6+ 0.9+	930417 413	0.4- 0.0
890306 046 0.1+ 0.9-	900914 809	0.5+ 0.8+	930418 801	0.3- 0.9+
890307 046(35.6+ 51.2-)	900914 809	1.0+ 0.6+	940902 801	1.9+ 0.5-
890307 046(34.8+ 51.0-)	900914 675	1.2+ 1.9-	940902 801	0.6+ 1.1+
900816 809 1.0- 0.2+	900914 675	(0.7+ 2.6-)	940908 801	0.4+ 0.6+
900816 809 1.8- 0.1-	900915 809	0.5+ 1.3+	940908 801	1.3+ 0.2+
900816 809 1.5- 0.0	900915 809	0.6+ 1.4+	940912 691	1.2- 0.4+
900820 809 1.9- 0.2+	900915 809	0.8+ 1.2+	940912 691	0.7- 0.3+
900820 809 1.5- 0.4+	900916 809	0.4+ 0.6+	940912 691	0.8- 0.0
900820 809 2.1- 0.7+	900916 809	0.5+ 0.4+	940913 691	0.7- 0.6+
900822 675 0.9+ 0.7-	900916 809	0.5+ 0.1+	940913 691	0.6- 0.2-
900822 675 0.1+ 0.8-	900918 675	0.3+ 0.8-	940913 691	0.8- 0.0
900823 675 0.4- 1.3-	900918 675	0.8- 2.2-	941007 801	1.6+ 0.2-
900823 675 0.7- 1.6-	900919 675	0.3+ 1.3-	941007 801	1.2+ 1.2-
900826 809 0.7- 0.1-	900919 675	(1.1+ 2.6-)		
900826 809 0.1+ 0.2+	930320 801	0.5- 0.1-		

(6133)* 1990 RC₃ = 1978 NG₂ = 1986 PO₆

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

Id. G. V. Williams (*MPC* 19305)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	59.86949	(2000.0)	P	Q
<i>n</i>	0.25323588	ω 67.31132	+0.25523937	+0.96648878
<i>a</i>	2.4743011	Ω 217.51024	-0.90280466	+0.22807429
<i>e</i>	0.1786721	<i>i</i> 2.58178	-0.34611648	+0.11782003
<i>P</i>	3.89	<i>H</i> 13.2	<i>G</i> 0.15	

Residuals in seconds of arc

780706 095 0.2+ 0.5+	900922 095	1.1- 0.7-	930424 801	0.2- 0.1+
860812 095 1.5- 2.2+	900922 095	0.6- 0.2-	930424 801	0.1- 0.1+
860829 095 0.2+ 0.5+	930321 809	0.0 0.1+	940902 801	0.5+ 0.6+
900829 095 1.3+ 1.0-	930322 809	0.6+ 0.3-	940902 801	0.4+ 0.5+
900829 095 (2.6- 2.0-)	930326 809	0.0 1.0+	940907 801	0.1+ 0.4+
900914 675 1.5+ 2.1-	930418 675	0.3- 0.2-	940907 801	0.2- 0.1+
900914 675 1.5+ 1.9-	930419 801	0.4- 2.1-	941003 801	0.1+ 0.1+
900918 675 1.0+ 1.0-	930419 801	0.7- 0.3-	941003 801	0.5+ 0.2-
900918 675 (1.3+ 3.2-)	930420 675	0.3- 0.8-	941005 801	0.3- 0.1-
900918 095 1.9- 0.2-	930420 675	0.0 1.3-	941005 801	0.2- 0.2-
900918 095 (5.0+ 1.2+)	930421 413	(0.8- 2.9-)		

(6134)* 1990 RA₅ = 1989 FC₁ = 1993 FL₅₈

Discovered 1990 Sept. 15 by H. E. Holt at Palomar.

Id. G. V. Williams (*MPC* 23671)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	53.37825	(2000.0)	P	Q
<i>n</i>	0.24085835	ω 90.06461	+0.06802467	+0.99756214
<i>a</i>	2.5583596	Ω 183.93861	-0.98158414	+0.06412658
<i>e</i>	0.1465680	<i>i</i> 13.10132	-0.17850833	+0.02752365
<i>P</i>	4.09	<i>H</i> 13.3	<i>G</i> 0.15	

Residuals in seconds of arc

890328 046 1.1- 0.5+	900924 809	0.0 0.8-	940807 801	0.7+ 1.4+
890328 046 1.3+ 2.2-	900924 809	0.4+ 0.7-	940809 801	0.2+ 0.7+
900915 675 0.3+ 0.5+	900925 809	0.2- 0.3-	940809 801	0.6+ 0.7+
900915 675 0.6+ 0.0	900925 809	0.4+ 0.0	940907 689	0.1+ 0.0
900920 675 0.9- 1.6-	900925 809	0.9+ 0.1+	940908 689	0.2- 0.3+
900920 675 (5.4- 4.6+)	930319 809	0.4- 0.1-	940909 801	0.9- 1.3-
900920 675 0.3- 1.2-	930320 809	0.9+ 0.1+	940909 801	0.4- 1.2-
900920 675 0.3- 0.5+	930416 413	1.3- 1.8-	940909 689	0.5- 0.2+
900924 809 0.5- 1.0-	940807 801	0.3- 0.9+	941007 801	1.0+ 0.1-

(6135)* 1990 RD₉ = 1970 GL = 1981 AA₂ = 1985 DE₁ = 1987 VL = 1991 VZ₃

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

Id. H. Kaneda (*MPC* 19505)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	142.71435	(2000.0)	P	Q
<i>n</i>	0.26006200	ω 270.53459	-0.90683615	+0.37983437
<i>a</i>	2.4308124	Ω 291.79932	-0.26372533	-0.84944948
<i>e</i>	0.1230571	<i>i</i> 11.34730	-0.32878132	-0.36628054
<i>P</i>	3.79	<i>H</i> 12.7	<i>G</i> 0.15	

Residuals in seconds of arc

700407 805 1.3+ 1.1+	900918 675	1.6+ 1.9-	930614 413	0.2- 0.3-
700407 805 0.1+ 1.4+	900918 675	0.7+ 0.2+	930615 413	0.3- 1.7-
700407 805 0.3+ 1.2+	911112 399	(3.2+ 2.6-)	930615 413	0.2- 1.5-
810108 381 (0.1+ 2.0-)	911112 399	0.5+ 2.0-	930615 413	0.3- 1.4-
810108 381 0.4+ 0.3-	911112 399	(3.0- 2.2-)	930618 413	(0.9+ 2.1-)
850225 688 (2.6+ 1.2-)	911114 399	(7.1- 0.7-)	930618 413	0.1+ 1.2-
850225 688 0.7+ 0.6-	911114 399	2.0- 1.5-	940519 691	1.2- 0.2-
850318 688 (3.3+ 1.4-)	911205 399	(1.3- 2.1-)	940519 691	1.5- 0.3-
850318 688 0.1- 1.7-	911205 399	1.6- 0.0	940807 801	1.2+ 0.8+
871114 010(19.7+ 3.4-)	911205 399	0.9+ 1.0-	940807 801	0.2+ 0.4+
871114 010(22.8+ 3.9-)	911214 399	0.6+ 0.9-	940809 801	0.2+ 0.0
871114 010(23.7+ 3.9-)	911214 399	0.8- 1.2-	940809 801	0.6+ 0.3+
900914 675 0.5- 0.0	911214 399	(1.4+ 3.6+)	941003 816	0.2- 1.5+
900914 675 0.2+ 0.1-	930613 413	0.6- 0.3-	941003 816	0.9- 1.1+
900915 675 0.4- 0.9-	930613 413	0.9- 1.0-		
900915 675 (0.7- 2.4-)	930614 413	0.7- 0.1+		

(6136)* 1990 YH = 1986 CE₁

Discovered 1990 Dec. 22 by A. Natori and T. Urata at the JCPM Yakiimo Station.

Id. T. Urata (*MPC* 17829)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	263.25959	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.18764569	ω 321.88718	-0.15313520	-0.97912470
<i>a</i>	3.0216465	Ω 136.45336	+0.94761045	-0.18386302
<i>e</i>	0.0670535	<i>i</i> 11.18653	+0.28032847	+0.08665570
<i>P</i>	5.25	<i>H</i> 11.2	<i>G</i> 0.15	

Residuals in seconds of arc

860207 054	1.0+	2.1-	910111 675	1.3+	0.4-	920501 385	0.2+	1.6-
860208 054	0.5-	1.7+	910113 885	0.5+	0.3-	920501 385	1.2+	0.4-
860211 054	0.9-	1.6+	910113 885	0.2+	0.4-	930618 801	0.6+	0.6+
901222 885	(2.0+ 5.3-)		910115 675	0.7+	0.8-	930618 801	0.3+	0.6+
901222 885	(4.5+ 2.9-)		910115 675	0.4-	2.0-	930624 801	0.1-	0.2-
901223 885	0.5-	0.3+	920412 385	0.7-	1.1-	930624 801	1.2+	0.7+
901223 885	1.0+	1.6+	920412 385	1.8+	0.3+	940903 905	1.4-	1.0-
910106 885	2.0-	2.2+	920430 885	1.5-	0.5-	940903 905	0.1+	1.8-
910106 885	(0.1- 2.9+)		920430 885	1.3-	1.8+	941008 801	0.3+	0.6+
910111 675	0.5+	0.1-	920501 885	1.4-	0.4+	941008 801	0.1-	0.8+

(6137)* 1991 BY = 1956 CD = 1971 TQ₂ = 1974 FU = 1985 DP₄

Discovered 1991 Jan. 25 by A. Natori and T. Urata at the JCPM Yakiimo Station.

Id. S. Nakano (*MPC* 17968), T. Urata (*ibid.*)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	291.93979	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.17079006	ω 97.34997	+0.24774248	-0.96347129
<i>a</i>	3.2173205	Ω 337.49723	+0.75049935	+0.25724871
<i>e</i>	0.0596903	<i>i</i> 15.41291	+0.61267804	+0.07447268
<i>P</i>	5.77	<i>H</i> 10.9	<i>G</i> 0.15	

Residuals in seconds of arc

560204 024	0.4-	0.1+	910125 885	1.3-	0.1-	910305 071	0.4-	0.7+
711013 095	2.1+	1.8-	910126 885	2.3-	0.4+	910305 071	0.2-	0.5+
740320 095	1.1-	0.7-	910208 896	1.0+	0.7+ Y	910306 887	1.2+	0.5-
850220 675	0.1+	0.1-	910208 896	0.3+	2.0- Y	910306 887	0.4-	0.2-
850223 675	0.1-	0.9-	910208 885	0.5+	0.5-	940903 905	0.8-	0.3+
880910 675	1.0+	0.3-	910208 885	1.3-	0.7-	940903 905	1.4-	0.1-
880910 675	0.2+	0.4-	910217 896	1.7+	1.5+	941004 801	0.2-	0.7+
880912 675	0.3+	0.2-	910217 896	0.2+	0.3+	941004 801	0.5-	0.8+
880912 675	0.1+	0.2-	910219 889	0.6-	0.5+ Y	941005 801	1.0-	0.8+
880916 675	0.2+	0.3-	910219 889	1.0-	0.7+	941005 801	0.0	0.3+
880916 675	0.2+	0.1-	910220 894	1.2+	0.5+			
910125 885	1.5+	0.9-	910220 894	1.1+	0.0			

(6138)* 1991 JH₁ = 1951 CQ = 1980 FG₁₁ = 1987 DT

Discovered 1991 May 14 by S. Otomo and O. Muramatsu at Kiyosato.

Id. S. Nakano (*MPC* 18444)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Bowell

<i>M</i>	334.57660	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.27438752	ω 83.59627	-0.62163996	+0.78291362
<i>a</i>	2.3454516	Ω 147.92595	-0.73580024	-0.57283719
<i>e</i>	0.1911778	<i>i</i> 2.66591	-0.26862943	-0.24270109
<i>P</i>	3.59	<i>H</i> 13.7	<i>G</i> 0.15	

Residuals in seconds of arc

510207 012	(5.3- 0.1-)	910504 881	(2.6- 1.2+)	Y	940110 691	0.8+	1.5+
510210 760	1.2+ 1.5-	910504 881	0.1+ 0.8-		940110 691	0.3+	0.1+
550416 675	0.4- 0.6+	910514 894	1.4+ 0.1+		940110 691	0.6-	0.1+
550416 675	0.4- 0.4-	910514 894	0.4+ 1.7-		940119 894	1.5+	0.5-
800316 095	(2.9+ 3.2-)	910517 894	1.4- 1.1+ Y		940130 010	0.2-	1.6-
870224 046	(5.1- 0.1-)	910519 894	0.3+ 0.5-		940130 010	1.1-	1.5-
870224 046	(3.5+ 1.0-)	910519 894	0.0 0.2+		940202 894	0.7-	0.4+
870225 046	1.9- 0.8+	910604 894	0.3- 0.2+		940202 894	0.9-	1.1-
870225 046	0.5+ 1.6+	910604 894	0.1+ 0.4-		940205 894	0.2+	0.5+
880910 675	0.2+ 1.9-	940109 894	0.7+ 0.8-				
880910 675	(0.9+ 3.1-)	940109 894	0.3+ 0.1+				

(6139)* 1992 AD₁ = 1966 DA = 1980 NE = 1989 NU₁

Discovered 1992 Jan. 10 by A. Sugie at the Dynic Astronomical Observatory.

Id. S. Nakano (*MPC* 19687)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	165.37852	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.22713183	ω 279.61590	-0.96025774	+0.17837148
<i>a</i>	2.6604231	Ω 270.88592	-0.08269415	-0.91643513
<i>e</i>	0.1520747	<i>i</i> 12.39842	-0.26658348	-0.35823214
<i>P</i>	4.34	<i>H</i> 12.2	<i>G</i> 0.15	

Residuals in seconds of arc

660217 760	0.8+ 0.1+	890708 675	0.4+ 0.6-	930721 801	1.0+ 0.4+
660217 760	1.1- 1.3+	920110 402	0.3+ 0.9-	930722 801	0.8- 0.1-
800711 805	0.3+ 0.2+	920110 402	0.8+ 0.8-	930722 801	0.9- 0.3-
800712 805	(10.4- 5.1+)	920111 402	1.0- 0.7-	940903 801	0.4- 0.3-
800712 805	(9.0- 1.5+)	920111 402	0.7- 1.3-	940903 801	0.0 0.2-
800712 805	(7.4- 4.6+)	920126 402	0.2- 0.4-	940907 801	0.3- 0.3+
800712 805	0.9+ 0.0	920126 402	0.5+ 1.2+	940907 801	0.4- 0.7-
800713 805	0.6+ 0.2+	920205 402	0.2- 0.3-	941004 801	1.2+ 1.1+
800713 805	0.3+ 0.3+	920205 402	0.2- 0.4+	941004 801	0.3+ 0.3-
890708 675	0.2- 0.0	920209 402	0.2+ 0.6+	941006 801	0.7- 1.4+
890708 675	(2.6+ 1.6-)	920209 402	0.8+ 1.0+	941006 801	0.3- 0.3-
890708 675	0.2- 0.5-	930721 801	1.0- 0.1+		

(6140)* 1992 AT₁ = 1969 TG₃ = 1983 NY

Discovered 1992 Jan. 6 by K. Endate and K. Watanabe at Kitami.

Id. H. Kaneda (*MPC* 19871)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	8.51491	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.27672292	ω 243.47204	+0.99600889	-0.02084734
<i>a</i>	2.3322367	Ω 117.61347	+0.05040910	+0.93380458
<i>e</i>	0.1427863	<i>i</i> 5.62063	-0.07365598	+0.35717559
<i>P</i>	3.56	<i>H</i> 13.3	<i>G</i> 0.15	

Residuals in seconds of arc

691009 095	0.9+ 1.7-	920124 400	1.4- 0.2-	930524 691	0.1+ 0.2-
830711 688	0.9+ 1.4-	920124 400	2.2+ 1.2-	930524 691	0.1- 0.2-
830711 688	(3.4- 0.7+)	920127 372	1.0- 0.2+	930524 691	0.0 0.3-
830713 688	0.1+ 0.4-	920131 691	1.3- 0.2+	940902 801	1.5+ 0.4+
830713 688	1.1- 0.4+	920131 691	2.1- 0.9+	940902 801	0.1+ 0.6+
920102 691	0.8- 0.6-	920131 691	2.2- 0.2-	940904 801	0.3- 0.3+
920102 691	0.5- 0.8-	920204 372	1.6+ 1.2-	940904 801	0.2+ 0.0

920102 691	0.6–	0.4–	920205 400	1.7+	0.4+	941004 801	0.5–	0.4–
920106 400	1.9+	1.4+	920205 400	1.8+	0.5–	941004 801	0.2–	0.2–
920106 400	0.3+	0.9+	930524 691	0.0	0.6–	941007 801	0.2–	0.2+
920111 303	0.4–	0.7–	930524 691	0.1–	0.5–	941007 801	0.2–	0.1–
920112 303	0.4+	0.3–	930524 691	0.1–	0.3–			

(6141)* 1992 YC₃ = 1983 AZ₂ = 1988 AJ = 1989 PL

Discovered 1992 Dec. 26 by Spacewatch at Kitt Peak.

Id. G. V. Williams (*MPC* 21802)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	278.40852	(2000.0)	P	Q
<i>n</i>	0.40212559	ω 145.55249	+0.31159663	–0.90994203
<i>a</i>	1.8178648	Ω 284.93678	+0.79558253	+0.40733271
<i>e</i>	0.1433530	<i>i</i> 16.45571	+0.51957289	–0.07801007
<i>P</i>	2.45	<i>H</i> 14.5	<i>G</i> 0.15	

Residuals in seconds of arc

830107 033	0.8+	0.7–	930101 691	0.6–	0.1–	940807 292	1.1–	1.9+
880115 688	0.3–	1.7+	930124 691	0.4–	1.0–	940807 292	0.3+	1.6+
880115 688	0.2+	1.6+	930124 691	0.6–	0.6–	940902 801	0.5–	0.4–
890729 675	1.2+	1.1–	930124 691	0.7–	0.3–	940902 801	0.3–	0.5–
890729 675	0.4–	1.2–	940706 689	0.2–	0.2+	940907 801	0.1+	0.6–
890801 675	(1.3+	2.7–)	940713 689	0.3–	0.5–	940907 801	0.6+	0.8–
890801 675	(1.5+	3.1–)	940714 689	0.4–	0.4–	941004 801	0.3+	0.0
921226 691	0.8+	0.8–	940802 689	0.3+	0.2–	941004 801	0.3–	0.1+
921226 691	0.6+	0.6–	940804 801	0.6+	0.1–	941007 801	0.0	0.0
921226 691	0.7+	0.7–	940804 801	0.2+	0.6+	941007 801	0.0	0.2+
930101 691	1.0–	0.2–	940807 801	0.4+	0.7–			
930101 691	0.6–	0.2–	940807 801	0.4+	0.5–			

(6142)* 1993 FP = 1947 LJ = 1970 GJ = 1981 DC₄ = 1991 XY₅

Discovered 1993 Mar. 23 by A. C. Gilmore and P. M. Kilmartin at the Mount

John Observatory.

Id. G. V. Williams (*MPC* 22239)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	100.49740	(2000.0)	P	Q
<i>n</i>	0.25543428	ω 43.92593	–0.62101589	+0.78376810
<i>a</i>	2.4600839	Ω 187.69259	–0.73249161	–0.58344986
<i>e</i>	0.1347594	<i>i</i> 2.93046	–0.27891811	–0.21282345
<i>P</i>	3.86	<i>H</i> 12.7	<i>G</i> 0.15	

Residuals in seconds of arc

470614 690	0.3+	0.8–	930320 400	1.7+	0.4+	930427 474	0.0	0.1+
470615 690	(4.5+	0.1–)	930320 400	(1.6+	2.6–)	930427 474	0.4+	0.4–
700406 805	0.1–	0.6+	930323 474	0.5–	1.2–	930427 474	0.0	0.2–
700406 805	0.5+	0.6+	930323 474	1.3–	0.5–	940902 801	0.0	0.0
700406 805	0.8–	1.4+	930324 809	0.3+	1.1–	940902 801	0.1+	0.3+
810223 095	1.1+	0.2+	930325 474	0.6+	1.2–	940909 801	0.6+	0.1+
911204 691	0.7–	0.4–	930325 474	1.5–	0.5–	940909 801	0.0	0.3–
911204 691	0.4–	0.0	930401 474	0.1+	0.7+	941008 801	0.6–	0.0
911204 691	0.1–	0.0	930401 474	0.7–	1.5+	941008 801	0.3+	0.0
930319 809	0.7+	0.8+	930423 474	0.4–	0.5–			
930320 809	(2.5+	0.3–)	930423 474	0.0	0.4–			

(6143)* 1993 JV = 1978 GC₅ = 1982 BT₁₃ = 1989 QA₁

Discovered 1993 May 14 by E. W. Elst at the European Southern

Observatory.

Id. G. V. Williams (*MPC* 23783)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	11.48083	(2000.0)	P	Q
<i>n</i>	0.20412129	ω 341.92261	+0.92279060	+0.38529558
<i>a</i>	2.8567825	Ω 355.41352	–0.35003123	+0.83592227
<i>e</i>	0.0686193	<i>i</i> 1.57373	–0.16104547	+0.39087245
<i>P</i>	4.83	<i>H</i> 12.5	<i>G</i> 0.15	

Residuals in seconds of arc

780407 095	0.6–	1.4+	920306 809	0.3+	0.9+	930617 809	0.4+	1.4+
820130 675	1.4+	0.9–	920308 809	0.1+	0.3+	930617 809	1.0–	1.3+
820131 675	0.8+	0.3–	920406 809	0.3–	0.6–	940902 801	1.0+	0.2–
890828 888	(1.2+	3.7+)	930514 809	0.9+	0.8–	940902 801	2.2–	0.3+
890828 403	(3.0–	0.6+)	930514 809	1.1+	1.1–	940903 801	0.4+	0.5–
890828 403	2.1–	0.6–	930514 809	0.2+	1.6–	940903 801	0.1+	0.3–
890828 888	0.4+	1.7+	930515 809	0.1+	0.8–	941008 801	1.3+	0.5–
920229 691	0.8–	0.2+	930515 809	1.1+	1.2–	941008 801	0.6+	0.5–
920229 691	0.7–	0.1+	930515 809	0.1+	1.2–			
920229 691	0.7–	0.3+	930617 809	1.1–	2.3+			

(6144)* 1994 EQ₃ = 1937 JF = 1937 JQ = 1984 FW₁

Discovered 1994 Mar. 14 by K. Endate and K. Watanabe at Kitami.

Id. S. Nakano (*MPC* 23530)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Nakano

<i>M</i>	4.06002	(2000.0)	P	Q
<i>n</i>	0.09624814	ω 97.93315	–0.78132227	+0.61816430
<i>a</i>	4.7156454	Ω 120.29233	–0.60468820	–0.71560272
<i>e</i>	0.3679971	<i>i</i> 5.72088	–0.15455642	–0.32524706
<i>P</i>	10.24	<i>H</i> 10.8	<i>G</i> 0.15	

Residuals in seconds of arc

370505 078	(25.1+	14.2+)	X	940411 896	(2.2–	0.3+)	940503 104	0.2–	0.1+
370513 012	(37.5+	7.9–)	X	940412 372	0.1+	1.2+	940503 104	0.1+	0.1+
541222 675	0.3–	1.1+		940412 372	1.4–	1.8+	940503 540	1.0–	0.5+
541222 675	0.7+	0.0		940413 360	0.4–	0.1+	940503 540	0.3+	1.0+
560513 760	1.3+	1.0+		940413 360	0.3–	0.0	940504 413	0.1+	0.1–
560513 760	0.7–	0.3+		940413 896	1.6+	0.1+	940504 413	0.2+	0.1–
650228 760	1.2–	1.6–		940413 896	(2.6–	1.3+)	940505 323	0.1+	0.1–
650228 760	(2.8–	1.6–)		940414 402	0.2+	0.2+	940506 360	0.1+	0.3–
840307 413	0.7–	0.2–		940414 402	1.2–	0.7+	940506 360	0.3+	0.4–
840329 675	0.2+	0.4+		940414 871	1.0–	1.0–	940506 410	0.0	0.1+
840329 675	1.7+	0.0		940414 871	1.2–	0.8–	940506 410	0.0	0.1–
840329 095	(2.2+	0.7+)		940414 871	1.9–	0.2–	940506 410	0.2+	0.1–
840330 675	1.6–	0.6+		940416 376	(2.1+	0.7+)	940508 540	0.2–	0.2–
840330 675	0.4+	0.4+		940416 376	1.7+	1.2+	940508 540	0.3+	0.7+
840404 095	(3.7+	0.8+)		940416 376	0.1–	0.1+	940508 540	0.0	0.8–
840429 675	0.1–	1.9–		940417 323	0.5–	0.1+	940508 540	0.7+	0.0
840429 675	0.4–	0.5–		940420 540	1.7+	0.2+	940509 786	(1.7–	2.5+)
840430 675	1.3+	0.5–		940420 540	0.2–	1.9+	940509 786	(1.7–	2.3+)
840430 675	0.1–	0.4+		940420 540	1.3+	0.2+	940510 801	0.1–	0.5–
840527 675	0.6+	0.2+		940420 540	(3.0+	0.9+)	940510 801	0.4+	0.5–
840527 675	1.7–	0.6–		940428 540	(0.7+	2.5+)	940510 675	(0.0	2.2–)

940314 675	0.3−	0.4−	940428 540	0.5−	1.6+	940510 689	0.0	0.4−
940314 675	0.4−	0.5−	940428 540	1.3+	1.5+	940513 801	0.2+	0.5−
940314 400	1.6+	0.2−	940428 540	(0.7+	2.9+)	940513 801	0.1+	0.5−
940314 400	0.5−	0.3−	940501 540	0.9+	1.8+	940513 675	0.1+	1.3−
940318 400	0.3−	0.1+	940501 540	1.1+	1.2+	940513 675	0.6+	1.9−
940318 400	0.3+	0.1+	940501 540	0.3+	1.3+	940608 801	0.9−	0.6−
940320 896	0.9+	1.7−	940501 540	0.2−	0.6+	940608 801	0.8+	0.8+
940331 400	0.6−	1.1−	940502 323	1.0−	0.2+	940610 801	0.3+	0.8+
940331 400	1.6+	0.9−	940503 413	0.0	0.1−	940610 801	0.3+	0.8+
940403 675	0.4−	0.2−	940503 413	0.1+	0.0	940623 587	0.8−	0.5−
940403 675	0.3−	0.5−	940503 540	1.0−	1.7+	940623 587	0.4−	1.7−
940409 400	0.4−	0.5−	940503 540	(0.4+	3.2+)	940705 801	0.8−	1.0−
940409 400	0.8+	1.2−	940503 104	0.2−	0.0	940712 801	0.7−	0.8−
940411 896	1.6−	0.3−	940503 104	0.1+	0.1+			

(6145)* 2630 P-L = 1979 TP₂ = 1979 WB₁

Discovered 1960 Sept. 26 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Id. E. Bowell (*MPC* 8144), B. G. Marsden (d, *ibid.*)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

		Marsden			
<i>M</i>		(2000.0)		<i>Q</i>	
<i>n</i>	0.26100372	ω	12.38899	+0.69137697	−0.72185936
<i>a</i>	2.4249619	Ω	33.88581	+0.65815415	+0.61196492
<i>e</i>	0.1916241	<i>i</i>	3.11339	+0.29804531	+0.32313774
<i>P</i>	3.78	<i>H</i>	14.5	<i>G</i>	0.15

Residuals in seconds of arc

600924 675	1.0+	0.5+	791116 095	0.8−	1.0−	940905 691	0.9−	0.5+
600924 675	0.1+	1.4−	791122 095	1.1−	0.3+	940905 691	0.6−	0.4+
600926 675	1.1+	0.2+	831129 688	(4.5+	1.0+)	940905 691	0.3−	0.3+
600927 675	0.1+	1.0+	831129 688	(1.8+	2.8−)	940909 691	0.7−	0.4+
600928 675	0.1+	0.0	831129 675	0.3+	0.6+	940909 691	0.5−	0.3+
601017 675	0.8+	0.6−	831208 801	0.7+	2.0+	940909 691	0.5−	0.4+
601022 675	0.5+	1.2−	831214 675	0.6+	0.8−	941007 801	1.4+	0.2+
601025 675	0.8−	0.5−	920227 691	0.6−	0.2−	941007 801	1.5+	0.6+
601026 675	0.6−	1.2−	920227 691	0.5−	0.5−			
791014 095	0.6−	0.9−	920227 691	(3.2+	0.1−)			

(6146)* 3262 T-2 = 1934 NG = 1979 FA

Discovered 1973 Sept. 30 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Id. S. Nakano (*MPC* 15085)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

		Williams			
<i>M</i>		(2000.0)		<i>Q</i>	
<i>n</i>	0.28006511	ω	252.45199	+0.43352065	+0.90021904
<i>a</i>	2.3136449	Ω	43.31289	−0.80257999	+0.40630188
<i>e</i>	0.2645487	<i>i</i>	3.41069	−0.40978678	+0.15660287
<i>P</i>	3.52	<i>H</i>	12.8	<i>G</i>	0.15

Residuals in seconds of arc

340704 078(14.4−	25.9+)	X	730930 675	0.5−	2.4−	911203 675	0.4+	0.5+
340712 078(72.0−	3.9+)	X	731004 675	0.9+	1.3−	911203 675	0.8+	1.0−
730919 675	1.3+	1.0+	731004 675	0.6+	1.6−	911206 675	1.3−	1.4+
730919 675	0.3+	0.2+	731005 675	0.4−	1.1−	911206 675	0.2+	0.5+
730920 675	0.6+	0.7+	731005 675	0.0	1.1−	940712 801	0.8−	0.4+

730924 675	1.6+	1.4+	790322 801	0.3+	1.3+	940712 801	0.5−	0.1+
730924 675	0.1−	2.0+	870826 095	1.8+	0.1+	940713 801	0.1−	0.0
730925 675	0.3−	0.0	870901 095	0.2−	0.1−	940713 801	0.3−	0.4+
730925 675	0.6−	0.4+	870922 095	1.6−	0.2−	940807 801	0.3+	0.5+
730925 675	0.8−	0.2+	870925 095	0.9−	0.8+	940807 801	0.3+	0.0
730925 675	0.1+	1.0+	900419 400	(3.6−	1.2−)	940809 801	0.0	0.5+
730929 675	0.2−	1.8−	900419 400	(3.6−	1.3−)	940809 801	0.2+	0.6+
730929 675	0.9−	0.5−	911201 675	0.5−	0.3+			
730930 675	(1.0−	3.2−)	911201 675	0.2−	1.3+			

(6147)* 1081 T-3 = 1989 LF

Discovered 1977 Oct. 17 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Id. C. M. Bardwell (*MPC* 14971)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

		Bardwell			
<i>M</i>		(2000.0)		<i>Q</i>	
<i>n</i>	0.23420630	ω	89.58224	+0.78639110	+0.59394844
<i>a</i>	2.6065757	Ω	233.97070	−0.61652631	+0.73750707
<i>e</i>	0.2173487	<i>i</i>	12.11636	−0.03852712	+0.32141650
<i>P</i>	4.21	<i>H</i>	12.8	<i>G</i>	0.15

Residuals in seconds of arc

771007 675	0.8+	0.4−	771022 675	0.4+	1.9−	901119 801	1.6−	0.4−
771011 675	0.7+	0.6+	890603 675	1.5+	0.4+	901120 801	0.1−	0.1−
771011 675	0.0	1.0+	890603 675	1.7+	0.7−	901120 801	0.0	0.2−
771012 675	0.0	0.5+	890605 675	1.8+	1.8+	901215 801	0.7+	0.2+
771012 675	0.1−	1.2+	890605 675	1.7+	0.9+	901215 801	0.7+	0.2+
771016 675	1.3−	0.9−	890630 675	1.9−	0.4−	940904 801	0.2−	0.3+
771016 675	0.1+	0.7−	890630 675	1.1−	0.8−	940904 801	0.3+	0.3+
771017 675	0.3+	0.1+	890703 675	2.1−	0.5−	941007 801	0.0	0.4+
771017 675	0.2+	1.3+	890703 675	2.0−	0.4−	941007 801	0.0	0.8+
771022 675	0.7−	2.4−	901119 801	0.3−	0.1−	941008 801	0.3+	0.9+

(6148)* 5119 T-3 = 1982 FB₂ = 1989 GQ₃

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

Id. T. Kobayashi (*MPC* 14797)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

		Williams			
<i>M</i>		(2000.0)		<i>Q</i>	
<i>n</i>	0.28690472	ω	281.93772	−0.23880746	−0.97097031
<i>a</i>	2.2767268	Ω	182.03700	+0.97101524	−0.23862544
<i>e</i>	0.2346640	<i>i</i>	22.66794	+0.01001946	−0.01656981
<i>P</i>	3.44	<i>H</i>	13.7	<i>G</i>	0.15

Residuals in seconds of arc

771011 675	0.9−	0.1+	820323 675	1.0+	0.8−	920103 366	(1.1+	2.7+)
771011 675	1.6−	0.1+	890405 675	(1.1+	2.9−)	920115 413	0.1−	0.0
771012 675	0.1+	0.9−	890405 675	(0.4−	2.8−)	920115 413	0.1−	0.0
771012 675	0.1+	1.5−	890406 675	(0.2+	2.9−)	920206 801	0.1+	0.5−
771016 675	0.5+	0.1−	890406 675	(1.4−	3.3−)	920206 801	0.0	0.1+
771016 675	0.2+	1.2−	911007 801	0.8−	0.5+	920207 801	0.0	0.2−
771017 675	0.1−	0.7−	911007 801	0.4−	0.3+	920207 801	0.0	0.1+
771017 675	0.6+	0.1+	911008 801	0.7−	0.2+	940902 801	0.8+	0.3+
771021 675	0.9+	0.2−	911008 801	0.8−	0.6+	940902 801	0.8+	0.4+
771021 675	0.6+	0.1−	911210 474	0.8+	0.9+	940907 801	0.1+	0.0

M.P.C. 24099

771022 675	1.2−	0.3+	911210 474	0.6+	0.6+	940907 801	0.4−	0.4+
771022 675	0.7+	0.7−	920102 366	(3.6+	1.7−)	941008 801	0.0	0.2+
820323 675	1.1−	1.3−	920102 366	(5.4+	1.2+)	941008 801	0.8−	0.2+

1969 GC

Id. E. Bowell (1955, 1993 observations)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

				Bowell	
<i>M</i>	130.00710		(2000.0)	P	Q
<i>n</i>	0.17669350	ω	341.80911	+0.12759539	+0.97835820
<i>a</i>	3.1452535	Ω	295.25490	−0.88615343	+0.03868577
<i>e</i>	0.0535337	<i>i</i>	10.37615	−0.44547897	+0.20326990
<i>P</i>	5.58	<i>H</i>	11.5	<i>G</i>	0.15

Residuals in seconds of arc

551023 675	0.9−	0.6+	690410 808	0.1−	0.0	931012 675	0.0	0.1+
551023 675	0.2−	0.2−	690412 808	0.5+	1.4+	931012 675	0.3−	0.6−
551024 675	0.0	0.4+	690413 808	0.4−	0.3−	931014 675	0.0	0.1+
551024 675	1.2+	0.8−	690419 808	0.4−	0.3−	931014 675	0.3+	0.3+
690409 808	0.2−	1.4−	690424 808	0.6+	0.5+			

1973 QG₂ = 1973 SF₅ = 1977 KE₁ = 1989 RK₅Id. C. M. Bardwell (d, *MPC* 8665), E. Bowell (*MPC* 10829), S. Nakano

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

				Nakano	
<i>M</i>	318.40081		(2000.0)	P	Q
<i>n</i>	0.18507662	ω	329.22616	+0.95700602	−0.28775746
<i>a</i>	3.0495447	Ω	47.54413	+0.27519431	+0.86088186
<i>e</i>	0.2007323	<i>i</i>	2.83873	+0.09169282	+0.41961658
<i>P</i>	5.33	<i>H</i>	13.0	<i>G</i>	0.15

Residuals in seconds of arc

730831 095	0.2+	2.4−	770519 675	0.1−	0.1−	941004 360	0.3−	0.5+
730905 095	1.9+	1.2−	890909 095	0.1−	0.1+	941004 360	0.6−	0.0
730927 095	1.3−	2.0+	941002 360	0.3+	0.7+			
770518 675	0.1−	0.5−	941002 360	0.2+	0.8+			

1975 UA = 1993 DL₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

				Kobayashi	
<i>M</i>	282.88541		(2000.0)	P	Q
<i>n</i>	0.35806809	ω	205.42575	+0.36461742	−0.89911147
<i>a</i>	1.9640791	Ω	224.33000	+0.90253054	+0.40524049
<i>e</i>	0.0879561	<i>i</i>	20.27798	+0.22911300	−0.16546513
<i>P</i>	2.75	<i>H</i>	14.5	<i>G</i>	0.15

Residuals in seconds of arc

751028 675	0.0	0.2−	930301 413	0.1+	0.0	930303 413	0.3+	0.1−
751029 675	0.3+	0.8+	930301 413	0.1+	0.1−	930303 413	0.1−	0.6+
751030 675	0.3−	0.6−	930302 413	0.2+	0.7−	930303 413	0.3−	0.6+
930226 413	1.3−	0.0	930302 413	0.1+	0.7−			
930226 413	0.7+	0.6+	930303 413	0.3+	0.1−			

1976 QA = 1987 UU₁ = 1994 RD₂

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

1994 OCT. 19

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

				Nakano	
<i>M</i>	1.91538		(2000.0)	P	Q
<i>n</i>	0.27406742	ω	13.09162	+0.92441379	+0.38036166
<i>a</i>	2.3472775	Ω	324.51151	−0.35412185	+0.82873831
<i>e</i>	0.1951318	<i>i</i>	2.76476	−0.14162222	+0.41050923
<i>P</i>	3.60	<i>H</i>	13.6	<i>G</i>	0.15

Residuals in seconds of arc

760826 095	1.3−	0.4−	760830 675	2.4+	0.9+	871023 399	1.5−	0.4+
760827 675	0.1−	2.1+	870924 095	0.0	0.0	940901 399	0.1−	0.5+
760827 675	0.7−	1.5−	871018 399	(40.4+	10.0+)	940901 399	0.2−	0.1+
760827 675	0.3−	0.1−	871018 399	(38.6+	9.6+)	940909 399	0.6+	1.0−
760828 675	0.8−	0.5+	871018 399	(41.7+	11.9+)	940909 399	0.4+	1.2−
760828 675	0.4+	1.7−	871023 399	(4.2+	0.1−)			
760830 675	0.3−	1.6+	871023 399	1.4+	0.1−			

1978 XU = 1974 SB₄ = 1989 TD₈ = 1989 UV₉ = 1993 TZ₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

				Kobayashi	
<i>M</i>	105.07029		(2000.0)	P	Q
<i>n</i>	0.26130368	ω	148.76601	+0.99449967	−0.07712074
<i>a</i>	2.4231057	Ω	215.86850	+0.05201378	+0.95095462
<i>e</i>	0.1464281	<i>i</i>	6.94732	+0.09091193	+0.29956253
<i>P</i>	3.77	<i>H</i>	13.5	<i>G</i>	0.15

Residuals in seconds of arc

740922 095	0.3−	0.8+	891002 071	0.2+	2.0−	931016 400	1.4+	1.4+
781203 675	0.3−	0.2+	891002 071	0.0	1.4+	931016 400	0.3−	2.0+
781203 675	0.5−	0.2+	891025 413	(4.1+	14.1−)	931111 400	0.6+	0.1+
781205 675	0.6+	0.0	891025 413	(5.4−	15.7+)	931111 400	1.5−	1.7−
781206 675	0.6−	0.5−	931015 400	1.8+	1.6−			
781206 675	0.8+	0.5+	931015 400	1.9−	0.9−			

1981 EQ₁₀ = 1992 EG₂₉

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

				Williams	
<i>M</i>	295.46022		(2000.0)	P	Q
<i>n</i>	0.26557015	ω	139.99326	+0.06352051	−0.99703855
<i>a</i>	2.3970838	Ω	306.32175	+0.90132005	+0.07596374
<i>e</i>	0.1997127	<i>i</i>	3.08427	+0.42847090	−0.01198507
<i>P</i>	3.71	<i>H</i>	15.5	<i>G</i>	0.15

Residuals in seconds of arc

810212 413	0.7−	0.4−	810315 413	0.3−	0.4+	810412 413	(3.9+	3.1−)
810213 413	1.4+	0.5−	810315 413	1.7+	0.1+	810430 413	0.5+	0.1−
810301 413	2.1−	0.9+	810405 413	0.7−	0.9−	810502 413	0.2+	0.6−
810301 413	(3.0+	0.3−)	810405 413	0.8+	1.2+	810503 413	0.5−	0.3−
810307 413	(4.5−	1.8+)	810406 413	0.6+	0.3+	920303 809	0.1+	0.7−
810311 413	(2.8+	0.6+)	810412 413	0.9−	0.2−	920305 809	0.2−	0.6+

1981 EW₄₁ = 1993 RP₁₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

				Marsden	
<i>M</i>	127.03793		(2000.0)	P	Q
<i>n</i>	0.26719456	ω	153.33048	+0.60271595	+0.79786402
<i>a</i>	2.3873585	Ω	153.72884	−0.73690568	+0.56235793
<i>e</i>	0.1942257	<i>i</i>	1.56694	−0.30611028	+0.21717865
<i>P</i>	3.69	<i>H</i>	16.0	<i>G</i>	0.15

Residuals in seconds of arc

810212 413	0.2+	0.2+	810315 413	(5.4-	1.7+)	930914 809	0.8-	0.6-
810213 413	(4.5-	2.9+)	810426 413	1.3+	0.7-	930919 809	0.1-	0.9+
810302 413	0.7+	1.4-	810501 413	0.9-	1.0+	930919 809	1.5-	0.2-
810306 413	1.4-	0.1+	930914 809	1.9+	0.4-			
810311 413	(1.4+	4.0-)	930914 809	0.7+	0.3-			

1981 EJ₄₂ = 1992 DC₈

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Ichikawa

<i>M</i>	146.85488		(2000.0)	P	Q
<i>n</i>	0.17513096	ω	350.98142	-0.99653765	-0.08175597
<i>a</i>	3.1639341	Ω	184.41424	+0.08310628	-0.97409915
<i>e</i>	0.1253288	<i>i</i>	11.33096	+0.00246244	-0.21082411
<i>P</i>	5.63	<i>H</i>	15.3	<i>G</i>	0.15

Residuals in seconds of arc

810212 413	0.7-	0.3+	810306 413	(7.0+	5.7-)	920229 809	0.2+	1.2-
810212 413	0.9+	0.4+	810311 413	0.0	0.9-	920303 809	0.6-	1.3+
810302 413	(3.9-	2.4+)	810311 413	(6.4+	5.6-)	920305 809	0.8+	0.1-
810306 413	0.6-	0.4+	810501 413	0.4+	0.0	920308 809	0.4-	0.2-

1981 GO₁ = 1981 GS₁ = 1955 FH₂ = 1992 DH₁₁Id. B. G. Marsden (d, *MPC* 8530), G. V. Williams

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	236.21110		(2000.0)	P	Q
<i>n</i>	0.26737810	ω	162.82886	-0.99639298	-0.08431550
<i>a</i>	2.3862658	Ω	12.34629	+0.07163777	-0.89632905
<i>e</i>	0.1440064	<i>i</i>	2.56991	+0.04548681	-0.43529889
<i>P</i>	3.69	<i>H</i>	14.0	<i>G</i>	0.15

Residuals in seconds of arc

550323 675	0.5+	0.7+	810308 095	1.6-	0.3+	810407 413	0.3+	0.4+
550323 675	0.3-	0.1+	810311 413	0.1+	0.4-	810408 413	0.6-	0.6+
810202 413	0.2+	0.1-	810311 413	0.6+	0.5-	810408 413	0.9+	0.1-
810213 413	0.0	0.7-	810316 413	0.2-	0.5-	810411 413	0.4-	0.5-
810302 413	1.6-	0.0	810316 413	0.9+	0.6-	810411 413	1.7+	0.4-
810302 413	0.5+	0.2-	810329 413	0.5-	0.5+	810426 413	0.3-	1.0-
810303 413	1.8-	0.5-	810329 413	1.2+	0.1+	810502 413	0.3-	0.6-
810303 413	0.7+	0.4-	810401 801	3.0+	1.7+	920229 809	0.6+	0.3+
810307 413	0.5-	0.1+	810403 801	2.6-	1.8+	920303 809	0.2-	0.0
810307 413	0.6+	0.1-	810407 413	0.8-	0.1+	920406 809	0.4-	0.3-

1981 UR₂₇ = A923 HA = 1949 GQ = 1994 TS₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	157.73462		(2000.0)	P	Q
<i>n</i>	0.22719549	ω	202.67396	-0.81328153	+0.57945688
<i>a</i>	2.6599261	Ω	13.14474	-0.49177047	-0.63586360
<i>e</i>	0.1102062	<i>i</i>	13.46215	-0.31102243	-0.50981095
<i>P</i>	4.34	<i>H</i>	11.5	<i>G</i>	0.15

Residuals in seconds of arc

230419 094(18.4-	54.3-)	X	811025 675	0.0	0.5-	941003 400	0.7+	1.2+
490404 760	2.0-	0.0	811026 675	0.4-	0.3-	941003 400	0.2+	1.1-
490404 760	2.0+	0.0	941002 400	0.1+	0.0			
811024 675	0.4+	0.8+	941002 400	1.0-	0.1-			

1981 UU₂₉ = 1991 RS₁₇

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	314.04556		(2000.0)	P	Q
<i>n</i>	0.29147087	ω	109.24887	+0.99418990	+0.10569117
<i>a</i>	2.2528863	Ω	244.68851	-0.10527710	+0.91527581
<i>e</i>	0.1922893	<i>i</i>	1.29255	-0.02243161	+0.38871529
<i>P</i>	3.38	<i>H</i>	16.0	<i>G</i>	0.15

Residuals in seconds of arc

811024 675	0.6-	0.2+	910906 511	0.0	0.9+	910915 675	0.3-	0.0
811025 675	0.6+	0.1+	910913 675	0.4+	1.1-	910917 675	1.1+	0.4+
811026 675	0.0	0.3-	910913 675	1.1-	0.0	910917 675	0.2-	0.5+
910905 511	0.4+	0.7-	910915 675	0.2-	0.1+			

1986 DA

Id. R. Whiteley (1994 observations), R. H. McNaught (1977 observations)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

(M-N) Williams

<i>M</i>	280.02875		(2000.0)	P	Q
<i>n</i>	0.20802368	ω	126.94358	-0.97621705	+0.20588544
<i>a</i>	2.8209423	Ω	65.02741	-0.21498593	-0.87896583
<i>e</i>	0.5824142	<i>i</i>	4.29611	-0.02795200	-0.43015143
<i>P</i>	4.74	<i>H</i>	15.0	<i>G</i>	0.15

Residuals in seconds of arc

770717 413	0.1+	1.0+	860320 883	0.6-	0.4+	860417 071	(3.3+	1.3+)
770717 413	0.1-	0.7-	860320 883	1.2-	0.9-	860418 071	0.4+	0.3-
860205 675	1.0-	1.2+	860328 552	(0.2+	6.0+)	860418 071	(3.0+	1.6-)
860207 675	0.2-	1.9+	860328 552	(2.8+	6.3+)	860418 071	(1.1+	3.6+)
860216 883	(1.8+	3.7-)	860331 398	(1.6+	3.6+)	860426 568	0.6+	0.6+
860216 883	(0.9+	2.1-)	860331 398	(2.8+	2.9+)	860430 657	0.3+	1.6+
860217 883	0.3-	0.9+	860331 398	(2.5+	2.8+)	860430 568	0.4-	0.1+
860217 883	1.1+	1.4+	860401 046	0.3+	0.0	860501 568	1.2+	0.3+
860217 883	0.0	0.2-	860401 046	1.2-	0.0	860501 046	1.2-	0.3+
860217 883	0.9+	0.2-	860402 883	0.2+	0.5-	860501 046	0.5-	0.5+
860219 883	0.8+	1.0+	860402 883	1.3+	0.0	860502 046	1.3+	1.0-
860219 883	0.8-	1.0-	860402 046	0.4-	0.1-	860502 046	0.7+	0.5+
860220 883	0.1-	0.9-	860402 046	0.5-	0.0	860503 046	0.8+	1.3-
860220 883	1.5-	0.8-	860403 675	1.5-	0.7+	860503 046	0.5+	0.8-
860227 883	0.7-	0.9-	860403 675	1.1-	0.1+	860504 688	0.3-	0.1-
860227 883	0.7+	0.2-	860404 801	0.1-	0.9+	860504 688	0.5-	0.8-
860228 376	1.0+	0.6+	860404 675	(2.1-	0.3+)	860504 046	0.4+	0.5-
860228 376	1.2+	0.7+	860405 801	0.5+	1.1+	860504 046	0.0	1.4-
860228 883	0.6-	0.5-	860406 688	(2.3+	0.3+)	860504 046	0.4-	0.0
860228 883	0.1-	0.1-	860406 688	(0.6+	2.5+)	860504 046	0.4-	0.4-
860228 372	1.6+	0.6+	860407 568	0.6-	0.6+	860510 801	(3.4+	3.0-)
860228 372	(2.4+	0.8+)	860408 046	0.5+	2.0+	860511 808	0.5+	0.4-
860228 372	0.7+	1.2-	860408 046	0.6-	1.0+	860512 046	(2.2-	2.0-)
860302 883	0.2-	0.3-	860410 657	0.2-	0.4+	860512 046	0.3+	1.2-
860302 883	0.4+	1.3-	860410 657	0.1+	0.8-	860526 046	(1.9-	4.2+)
860302 887	0.8+	0.2-	860412 801	1.6+	0.1+	860526 046	(0.3-	3.7+)
860302 887	0.1-	0.2-	860412 033	0.1-	0.6-	860603 801	0.5+	0.6-
860302 887	0.7-	0.2-	860412 033	0.3-	0.4-	860606 691	1.0+	0.1+
860302 887	0.7+	0.8+	860413 071	(0.4+	2.7-)	860606 691	1.1+	0.4+
860303 398	0.5-	0.3-	860413 071	0.4-	0.3+	860607 691	0.8-	0.4-
860303 398	0.6-	1.1-	860413 071	(2.5+	4.1-)	860607 691	0.6-	0.4-

860303 398	0.9+	0.5+	860413 071	(2.6+	1.1+)	860607 691	0.8-	0.4-
860305 883	0.0	1.2+	860413 071	(5.1-	3.2+)	860609 801	1.2-	1.9+
860305 883	0.5+	1.6-	860413 071	0.1+	0.0	860724 675	0.7-	0.2+
860306 688	0.6+	0.8+	860413 071	0.1+	0.4-	860724 675	0.7-	0.3+
860306 688	0.6-	0.5+	860413 071	0.4-	0.8-	860724 675	0.7-	0.4+
860307 398	1.2+	0.8+	860413 071	0.6-	0.5+	860725 675	0.5-	0.6+
860307 398	0.2-	1.1-	860413 071	1.6-	0.3+	860725 675	0.3-	0.5+
860307 883	0.9+	1.1-	860414 071	0.4-	1.9+	860726 675	1.0-	0.6-
860307 883	0.7+	0.8-	860414 801	0.5+	0.1+	860726 675	0.6-	0.5-
860312 398	0.8-	1.5+	860414 046	0.5-	1.8+	860730 691	1.0+	0.4+
860312 398	1.5-	0.0	860414 046	0.6-	1.3+	860730 691	1.0+	0.5+
860312 887	0.5-	0.4-	860414 071	0.3+	0.1-	860730 691	1.0+	0.7+
860312 887	0.8-	0.1-	860414 071	0.7-	0.2+	860816 675	0.5-	0.0
860312 887	0.3-	0.5-	860414 071	1.4+	1.1-	860816 675	0.6-	0.2-
860312 887	0.3-	0.5-	860415 071	(3.7-	1.2-)	860816 675	0.8-	0.6-
860312 883	1.7-	1.6+ Y	860415 071	(2.7-	0.2-)	941005 568	0.0	0.4+
860312 883	(2.9-	0.9+) Y	860416 071	(0.1+	2.1-)	941005 568	0.1+	0.6+
860315 883	0.4+	1.9-	860416 071	(4.5+	1.6+)	941011 691	0.2-	0.3-
860315 883	0.1+	1.0-	860416 071	1.3+	0.8-	941011 691	0.0	0.0
860316 801	(2.6+	4.2+)	860417 071	0.3+	1.1-	941011 691	0.0	0.2+
860317 883	1.5+	0.2-	860417 071	0.1-	0.9+			
860317 883	0.6+	0.5-	860417 071	(3.4+	0.2-)			

1988 BM₃ = 1993 SK₁₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

		Williams			
<i>M</i>	278.66955	(2000.0)	P	Q	
<i>n</i>	0.27834512	ω 242.65489	-0.99958616	+0.01379223	
<i>a</i>	2.3231663	Ω 298.12586	-0.00223056	-0.91208524	
<i>e</i>	0.1846181	<i>i</i> 1.64029	-0.02867975	-0.40976858	
<i>P</i>	3.54	<i>H</i> 13.5	<i>G</i> 0.15		

Residuals in seconds of arc

880117 809	0.8-	0.6-	880124 809	0.1-	0.1-	880223 399	0.4-	1.4+
880117 809	0.4-	0.2-	880124 809	0.2+	0.0	880223 399	2.1+	1.6-
880117 809	0.3+	0.2+	880126 809	0.5-	0.1+	930916 809	1.9-	0.8-
880118 809	0.1+	0.1-	880126 809	0.2+	0.0	930916 809	0.7-	1.1+
880118 809	0.1-	0.0	880128 809	0.2-	0.3+	930916 809	0.4-	0.6+
880120 809	0.7-	0.5-	880128 809	0.6+	0.0	930923 809	1.7+	1.3+
880120 809	0.1+	0.2-	880130 809	0.2+	0.0	930923 809	0.9+	0.9-
880122 809	0.1-	0.2-	880130 809	0.1+	0.2+	930923 809	0.0	0.5-
880122 809	0.0	0.3-	880223 399	0.4-	1.9+			

1988 CY₂ = 1993 SL₁₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

		Williams			
<i>M</i>	169.56835	(2000.0)	P	Q	
<i>n</i>	0.28319847	ω 315.32573	+0.18770309	+0.98162903	
<i>a</i>	2.2965476	Ω 325.45063	-0.88345051	+0.15349166	
<i>e</i>	0.0912319	<i>i</i> 3.46082	-0.42928165	+0.11333474	
<i>P</i>	3.48	<i>H</i> 15.0	<i>G</i> 0.15		

Residuals in seconds of arc

880211 809	1.8-	0.1-	880217 809	1.0-	0.0	930916 809	0.1-	0.1+
880215 809	0.8+	0.6-	880221 809	0.2-	0.0	930916 809	0.5+	0.1+
880216 809	1.9+	0.1+	880221 809	0.5-	0.2+	930916 809	0.4+	0.2+
880216 809	0.5+	0.6+	880221 809	1.5-	0.0	930923 809	0.7-	0.9+

880216 809	0.1-	0.7+	880223 809	0.4+	0.9-	930923 809	0.0	0.4-
880217 809	0.5+	0.6-	880223 809	0.1-	0.0	930923 809	0.1-	0.8-
880217 809	0.2+	0.3-	880223 809	0.8+	0.9+			

1988 PA

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

		Williams			
<i>M</i>	339.03846	(2000.0)	P	Q	
<i>n</i>	0.31255523	ω 136.96031	+0.49296751	+0.86898086	
<i>a</i>	2.1503948	Ω 162.43672	-0.83198507	+0.48530610	
<i>e</i>	0.4077813	<i>i</i> 8.20644	-0.25452676	+0.09669673	
<i>P</i>	3.15	<i>H</i> 17.0	<i>G</i> 0.15		

From 14 observations 1988 Aug. 9–Sept. 19, mean residual 0".94.

1988 VZ₁ = 1971 TX = 1992 OQ₇ = 1993 SQ₁₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

		Williams			
<i>M</i>	295.31154	(2000.0)	P	Q	
<i>n</i>	0.17669832	ω 125.62299	-0.75271466	-0.65834583	
<i>a</i>	3.1451964	Ω 13.20331	+0.60232999	-0.68939437	
<i>e</i>	0.1350945	<i>i</i> 0.29753	+0.26574278	-0.30218566	
<i>P</i>	5.58	<i>H</i> 12.0	<i>G</i> 0.15		

Residuals in seconds of arc

711011 095	0.5-	1.1+	881106 399	(3.6+	0.0)	920720 809	0.3+	1.0-
881102 399	1.5+	1.3-	881108 399	2.4-	1.4+	920720 809	0.7+	1.2-
881102 399	1.1+	0.6+	881108 399	1.4-	0.1-	920721 809	0.7-	0.7+
881102 399	1.0-	1.2-	881108 399	(3.3-	1.8-)	920721 809	0.3-	0.4+
881103 327	(2.8+	2.0+)	881110 046	(0.6+	4.8-)	920721 809	0.0	0.6+
881103 327	1.5+	1.6+	881110 046	(1.0-	3.2-)	930916 809	(2.0+	3.9+)
881104 033	0.7+	0.4+	881111 046	0.3+	1.7-	930916 809	(1.1+	3.4+)
881104 046	(0.8-	3.1-)	881111 046	(0.4+	3.2-)	930916 809	(0.6+	4.3+)
881104 046	(2.2-	4.1-)	881114 399	(3.7+	0.4+)	930923 809	0.3-	1.7+
881104 033	1.0+	0.0	881114 399	(5.0+	1.7+)	930923 809	0.3+	0.4+
881105 046	0.6-	2.2-	881114 399	(2.9+	0.6-)	930923 809	0.6-	0.6-
881105 046	(1.2+	4.1-)	920720 809	0.3+	1.0-			

1989 SE₂ = 1991 AVId. H. Kaneda (*MPC* 17962)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

		Williams			
<i>M</i>	149.58216	(2000.0)	P	Q	
<i>n</i>	0.20915379	ω 163.09336	-0.50962378	+0.85579303	
<i>a</i>	2.8107716	Ω 76.18888	-0.79961035	-0.43294024	
<i>e</i>	0.0471359	<i>i</i> 5.25216	-0.31765845	-0.28316258	
<i>P</i>	4.71	<i>H</i> 13.0	<i>G</i> 0.15		

Residuals in seconds of arc

890926 809	0.5-	1.3-	891007 809	1.5+	0.9+	920426 691	0.4-	1.2-
890926 809	0.4+	0.3-	891007 809	0.9+	1.0+	941009 596	0.6+	0.2-
890926 809	0.1+	0.1+	891008 809	1.6+	1.5+	941009 596	0.0	0.2+
890928 809	0.6-	1.3-	891008 809	0.6+	2.0+	941009 596	0.6-	0.6+
890928 809	1.0-	0.9-	891008 809	0.8+	1.8+	941010 596	(1.3+	3.4-)
890928 809	2.1-	2.5-	910111 675	1.2+	0.9-	941010 596	(0.0	3.6-)
891003 809	0.3-	0.9-	910111 675	0.7-	0.1+	941010 596	(3.3+	4.2-)
891003 809	1.1-	1.3-	910114 675	0.1+	0.8-	941011 596	0.4-	0.5-
891003 809	1.1-	1.3-	910114 675	0.7-	1.1+	941011 596	0.9-	0.2-
891007 809	1.7+	0.4+	920426 691	0.6-	1.1-	941011 596	1.3+	0.1-

M.P.C. 24102

1989 US₃ = 1952 QR = 1980 VS₁ = 1992 GO₃

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	67.35275		(2000.0)		P		Q
<i>n</i>	0.21600558	ω	128.87216	+0.95829721			+0.28502520
<i>a</i>	2.7510136	Ω	214.58160	-0.27217486			+0.88826455
<i>e</i>	0.1018573	<i>i</i>	2.08665	-0.08710510			+0.36020374
<i>P</i>	4.56	<i>H</i>	12.3	<i>G</i>	0.15		

Residuals in seconds of arc

520828 024	0.1+	0.4-	891026 095	1.8+	0.9+	920404 809	0.2-	0.1-
801113 561	1.5-	0.4-	891026 095	1.6+	0.1+	920404 809	0.9-	0.4-
801113 561	1.5+	0.3+	891027 046	0.8+	0.4-	920406 809	1.6-	0.3-
891024 095	2.6+	0.7+	891027 046	1.6-	1.6-	920406 809	0.2-	0.4-
891024 095	0.1+	1.2-	891029 403	0.1-	0.2-	920406 809	0.6+	0.4-
891025 046	1.0-	1.1+	891029 403	0.6+	1.1+	920425 809	0.8+	2.2-
891025 046	2.6-	0.5-	891102 046	0.9-	1.8-	920425 809	0.1+	2.1-
891026 403	1.4+	1.9- Y	891102 046	0.9-	1.7-	920425 809	(0.5+	3.3-)
891026 403	0.2-	0.7+ Y	920404 809	0.3-	0.5+			

1989 VA

Id. P. Pravec (1994 observations)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	85.74149		(2000.0)		P		Q
<i>n</i>	1.58455593	ω	2.78895	-0.66757862			+0.66010466
<i>a</i>	0.7286702	Ω	225.66065	-0.69208270			-0.72071655
<i>e</i>	0.5947525	<i>i</i>	28.78428	-0.27451834			+0.21172975
<i>P</i>	0.62	<i>H</i>	17.5	<i>G</i>	0.15		

Residuals in seconds of arc

891102 675	0.5+	0.4-	891120 568	1.4-	1.3-	891205 474	0.5+	0.7+
891103 675	0.7-	0.6+	891121 474	0.9+	0.5+	941005 557	0.2-	0.5-
891104 675	0.1+	0.3+	891121 474	0.2-	1.0+	941005 557	0.7-	0.2-
891105 675	0.9+	0.3-	891122 675	(4.5+	2.9+)	941007 557	0.0	0.1-
891105 675	0.8+	0.6-	891125 801	(4.6+	0.8-)	941011 557	0.0	0.6+
891106 675	0.4-	0.9+	891125 801	(2.8+	0.7-)	941011 557	0.1-	0.3+
891119 568	1.6-	0.8-	891125 675	0.8+	0.1-	941011 557	0.1-	0.0
891120 568	0.0	0.6-	891205 474	0.4+	0.3+			

1990 KO

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	50.66689		(2000.0)		P		Q
<i>n</i>	0.28374091	ω	69.34414	+0.51175628			+0.79564250
<i>a</i>	2.2936197	Ω	235.66911	-0.85867350			+0.48599244
<i>e</i>	0.2462513	<i>i</i>	23.11038	+0.02802380			+0.36161356
<i>P</i>	3.47	<i>H</i>	13.5	<i>G</i>	0.15		

Residuals in seconds of arc

900522 675	(3.7-	1.0-)	900629 413	0.3+	1.0+	901015 801	0.5+	0.5+
900522 675	(3.3-	0.3+)	900718 675	0.5-	0.2+	901015 801	0.2-	0.2+
900523 675	1.2-	0.9+	900718 675	0.3+	0.4+	901016 801	0.3+	0.3+
900523 675	1.1-	0.5-	900721 675	0.5-	0.2-	901016 801	0.4+	0.3+
900528 808	1.8+	0.1-	900721 675	0.8-	0.3-	901019 801	0.7-	0.0
900528 808	0.6-	1.4-	900724 675	0.2-	0.1+	901019 801	0.2+	0.1+
900626 675	0.7+	1.3-	900724 675	0.2-	0.6-	901020 801	0.3-	0.3-
900626 675	0.3+	1.1-	900726 675	0.0	0.1+	901020 801	0.0	0.2-
900628 675	0.4+	0.1+	900726 675	0.2-	0.0	941007 801	0.2+	0.4-

1994 OCT. 19

900628 675	0.2+	0.1-	900918 801	0.0	0.5+	941007 801	0.2-	0.2-
900629 413	0.1-	0.4-	900918 801	0.4-	0.1+	941008 801	0.2-	0.2-
900629 413	1.3+	0.8+	900919 801	0.5-	0.0	941008 801	0.0	0.6-
900629 413	0.0	0.9+	900919 801	0.3-	0.1+			

1990 KT

Id. K. Lawrence (1994 observations), T. B. Spahr (1994 observations)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	50.72310		(2000.0)		P		Q
<i>n</i>	0.26791528	ω	56.38725	-0.19590829			+0.96940010
<i>a</i>	2.3830751	Ω	203.68542	-0.97656289			-0.20657653
<i>e</i>	0.1848331	<i>i</i>	21.60756	-0.08913400			+0.13262574
<i>P</i>	3.68	<i>H</i>	13.5	<i>G</i>	0.15		

Residuals in seconds of arc

900521 675	0.8-	0.4+	900627 675	1.9+	1.3-	940803 693	0.6-	0.1-
900523 675	1.1-	1.7+	900627 675	1.3-	0.2-	940902 675	1.0+	0.2-
900523 675	0.4+	0.8-	940802 693	1.6+	0.0	940902 675	0.7+	0.8+
900626 675	0.9+	0.2-	940802 693	1.3-	0.9+	940904 675	0.4+	0.7+
900626 675	0.3+	0.3+	940803 693	1.2-	1.8-	940904 675	0.7-	0.0

1990 OK₃ = 1994 TM₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Nakano

<i>M</i>	23.41510		(2000.0)		P		Q
<i>n</i>	0.26377002	ω	204.49069	+0.88529034			+0.46309215
<i>a</i>	2.4079775	Ω	127.85511	-0.41729617			+0.83141757
<i>e</i>	0.2148467	<i>i</i>	3.08592	-0.20524355			+0.30706756
<i>P</i>	3.74	<i>H</i>	14.5	<i>G</i>	0.15		

Residuals in seconds of arc

900727 675	0.2-	0.6+	900818 372	0.2+	0.9+	900915 675	0.4+	0.6-
900727 675	0.7+	0.3+	900818 372	0.4+	0.0	900915 675	0.1-	0.1-
900730 675	0.7-	2.2-	900820 372	(3.7+	0.1-)	941002 400	0.9+	1.3+
900730 675	0.2-	1.4+	900820 372	(4.8+	0.1-)	941002 400	0.0	0.3+
900815 372	(3.5-	0.7-)	900914 675	0.1-	0.6-	941003 400	2.1-	0.9-
900815 372	(3.8-	1.3+)	900914 675	0.4-	0.1-	941003 400	1.0+	0.3-

1990 SY = 1986 VW₃ = 1993 FO₂₉ = 1994 RB₁₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Nakano

<i>M</i>	22.26060		(2000.0)		P		Q
<i>n</i>	0.23593041	ω	337.54650	+0.62580954			+0.77675026
<i>a</i>	2.5938614	Ω	331.04897	-0.69153258			+0.51053191
<i>e</i>	0.1848631	<i>i</i>	8.41783	-0.36075629			+0.36880376
<i>P</i>	4.18	<i>H</i>	12.8	<i>G</i>	0.15		

Residuals in seconds of arc

861105 010	(14.0-	1.2+)	900920 675	0.3+	1.5-	940901 399	0.4+	0.4-
861105 010	(8.8-	0.2+)	900920 675	0.1-	1.2+	940901 399	0.8+	0.7-
900916 675	0.0	0.9-	900921 657	1.1-	0.6+	940909 399	0.5-	0.2+
900916 675	1.5+	0.1-	900921 657	0.6-	1.9+	940909 399	0.1-	0.7-
900917 675	0.5+	0.7-	930321 809	(4.5-	1.4-)	941001 399	0.3+	1.4+
900917 675	0.3+	1.6-	930322 809	1.2-	1.4-	941001 399	1.0+	0.4-
900918 675	0.0	1.2-	930326 809	0.1+	0.4-	941002 399	1.0-	1.2+
900918 675	0.7+	0.6-	940417 413	(4.0-	2.5-)	941002 399	1.5-	0.7+

1990 SZ = 1986 RB₁₁ = 1986 RR₁₇ = 1994 RW

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	312.83708		(2000.0)		P		Q
<i>n</i>	0.24345562	ω	73.32368	+0.49128417			-0.87002127
<i>a</i>	2.5401313	Ω	347.01028	+0.71271254			+0.42878579
<i>e</i>	0.1765504	<i>i</i>	10.57869	+0.50068024			+0.24332229
<i>P</i>	4.05	<i>H</i>	13.0		<i>G</i>	0.15	

Residuals in seconds of arc

860909 095	0.9-	1.5-	900917 675	0.4+	0.5-	900921 657	1.4-	1.2+
860912 095	0.6+	1.8+	900918 675	0.4-	1.0-	940901 400	1.6+	1.5+
900916 675	0.7+	0.5+	900918 675	0.5+	1.3-	940901 400	2.4+	1.8-
900916 675	0.4+	0.1+	900920 675	0.3+	0.8-	940906 400	2.6-	0.6+
900917 675	1.0+	0.2+	900920 675	0.6-	0.5+	940906 400	1.9-	0.5+

1990 SB₁₁ = 1993 OK₁₀

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	72.58438		(2000.0)		P		Q
<i>n</i>	0.30303210	ω	82.23713	+0.98917129			-0.12611238
<i>a</i>	2.1952145	Ω	284.98508	+0.08400292			+0.90593033
<i>e</i>	0.1753838	<i>i</i>	4.45724	+0.12034813			+0.40421023
<i>P</i>	3.25	<i>H</i>	15.3		<i>G</i>	0.15	

Residuals in seconds of arc

900916 675	0.9+	2.0-	900919 675	0.3+	0.1+	930720 809	0.3+	1.0+
900916 675	0.3+	0.4-	930713 809	0.0	0.6-	930720 809	0.7+	1.2+
900917 675	0.0	2.1+	930713 809	0.1+	0.9-	930720 809	0.5+	1.4+
900917 675	0.0	1.7+	930713 809	0.2-	0.7-	930724 809	0.2-	1.3+
900918 675	1.4-	0.3+	930713 809	(0.8-	4.9-)	930726 809	0.6+	1.3-
900918 675	0.2-	0.1+	930713 809	(0.3-	5.0-)	930726 809	0.7-	0.7-
900919 675	0.2+	1.9-	930713 809	(1.6-	5.0-)	930726 809	1.1-	0.6-

1990 SK₂₈ = 1994 TR

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Nakano

<i>M</i>	0.30201		(2000.0)		P		Q
<i>n</i>	0.24582686	ω	20.07592	+0.99239313			-0.12271159
<i>a</i>	2.5237703	Ω	346.96095	+0.10612076			+0.89339291
<i>e</i>	0.1550412	<i>i</i>	2.51155	+0.06240403			+0.43219322
<i>P</i>	4.01	<i>H</i>	13.2		<i>G</i>	0.15	

Residuals in seconds of arc

900924 095	0.0	0.0	901015 095	0.2+	0.4+	941003 400	0.4-	0.5-
900930 095	0.1+	0.0	941002 400	0.2-	0.1-	941003 400	0.1+	0.4+
901015 095	0.2-	0.4-	941002 400	0.5+	0.2+			

**1990 TW = 1990 UY₁₂ = 1951 KB = 1952 WG = 1967 EO₁ = 1973 SO₅
= 1977 OY = 1994 SF**

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	356.90558		(2000.0)		P		Q
<i>n</i>	0.23297251	ω	306.87473	+0.98046760			+0.09088687
<i>a</i>	2.6157703	Ω	48.61988	+0.01518752			+0.84919166
<i>e</i>	0.1956099	<i>i</i>	13.44174	-0.19609341			+0.52020486
<i>P</i>	4.23	<i>H</i>	11.5		<i>G</i>	0.15	

Residuals in seconds of arc

510527 078	(4.9+ 16.6-)	Y	901015 400	(4.2-	0.5-)	901022 399	2.1-	0.4+
521121 210	(80.8+ 19.8+)	X	901018 392	0.3-	1.6-	901023 095	1.4-	2.0-
670308 033	1.9-	1.3+	901018 392	(2.8-	3.2-)	901024 400	(0.3+	2.7+)

670308 033	2.1+	0.8-	901019 399	0.2+	0.7+	901024 400	0.5-	2.0+	
670309 033	(8.6-	6.1+)	901019 399	2.2+	0.5+	901113 400	(0.9-	5.2+)	
670309 033	(22.0+	7.0-)	901020 885	(7.4+	8.3+)	Y	901113 400	0.4-	1.7+
730927 095	(4.8+	2.8-)	901020 885	(5.9+	2.9+)	Y	940925 413	0.4+	0.8-
770716 413	0.9-	2.1+	901021 400	0.7+	1.6+		940925 413	1.7+	0.4-
770716 413	0.5-	1.0+	901021 885	0.3-	1.6-		941003 413	0.3-	0.3-
770722 413	0.5-	0.0	901021 400	1.7-	0.1+		941004 413	0.2+	0.5-
770722 413	0.1+	0.4-	901021 885	0.9+	0.1+		941005 413	0.4-	0.7-
901015 400	(2.2-	3.5-)	901022 399	1.6+	0.2-				

1990 UO₁ = 1994 TP₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Nakano

<i>M</i>	349.51706		(2000.0)		P		Q
<i>n</i>	0.23890960	ω	258.29315	+0.90306610			-0.42336700
<i>a</i>	2.5722528	Ω	126.71224	+0.42077698			+0.83831323
<i>e</i>	0.1572264	<i>i</i>	5.17683	+0.08612983			+0.34349862
<i>P</i>	4.13	<i>H</i>	13.4		<i>G</i>	0.15	

Residuals in seconds of arc

901020 402	1.7+	0.8+	901113 402	0.0	0.2-	941003 400	1.0-	0.8+
901020 402	0.2-	0.5-	901113 402	0.0	0.5+	941003 400	0.3+	0.2-
901021 402	0.9+	1.3-	941002 400	0.6+	0.4-			
901021 402	2.4-	0.4+	941002 400	0.1+	0.1-			

1990 VN₁ = 1977 SP₂ = 1994 TB₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Nakano

<i>M</i>	338.59817		(2000.0)		P		Q
<i>n</i>	0.23189690	ω	347.62407	+0.82999599			-0.54693663
<i>a</i>	2.6238525	Ω	46.09325	+0.52381628			+0.69694970
<i>e</i>	0.1162356	<i>i</i>	8.73338	+0.19163290			+0.46381186
<i>P</i>	4.25	<i>H</i>	12.7		<i>G</i>	0.15	

Residuals in seconds of arc

770919 095	0.0	0.1+	901115 403	0.4+	0.4+	901124 399	0.0	0.9+
901111 374	2.0-	0.2+	901115 403	0.8-	0.3+ Y	941002 400	0.0	0.1+
901112 399	0.2-	0.1-	901116 403	2.4-	1.4+ Y	941002 400	1.9-	1.0-
901112 399	0.7+	0.3-	901116 403	0.6+	0.7+ Y	941003 400	1.1+	0.6+
901112 399	2.7+	0.7+	901121 399	(6.3+	0.6+)	941003 400	0.8+	0.3+
901113 399	1.1-	2.0-	901121 399	(5.7+	0.1-)			
901113 399	0.4-	0.8-	901124 399	2.6+	1.5-			

1990 WU₁ = 1985 RG₆ = 1992 DQ₈

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Ichikawa

<i>M</i>	316.14705		(2000.0)		P		Q
<i>n</i>	0.21091578	ω	193.74197	+0.95585646			-0.29370673
<i>a</i>	2.7950956	Ω	183.37522	+0.28155972			+0.92394855
<i>e</i>	0.2320556	<i>i</i>	8.44675	+0.08403902			+0.24506211
<i>P</i>	4.67	<i>H</i>	14.6		<i>G</i>	0.15	

Residuals in seconds of arc

850915 095	0.0	0.1+	901118 809	0.5+	0.3+	901120 809	0.5+	0.2+
850920 095	(1.4+ 10.2+)		901118 809	0.6-	0.8+	920229 809	0.2+	0.5-
901111 809	0.3+	0.1-	901118 809	1.1-	0.4+	920303 809	0.1-	0.1-
901111 809	0.8+	0.0	901120 809	0.2-	0.2-	920305 809	0.3-	1.2+
901111 809	0.1-	0.4-	901120 809	0.0	1.0-	920308 809	0.2+	0.5-

1990 WQ₄ = 1992 DJ₇ = 1993 SE₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Ichikawa

<i>M</i>	138.79205		(2000.0)		P		Q
<i>n</i>	0.29187293	ω	177.63513	+0.62229241			+0.78126830
<i>a</i>	2.2508169	Ω	130.84386	-0.71924365			+0.59522611
<i>e</i>	0.2030938	<i>i</i>	3.69126	-0.30893484			+0.18795138
<i>P</i>	3.38	<i>H</i>	14.1	<i>G</i>	0.15		

Residuals in seconds of arc

901116 809	2.2+	1.0-	901122 809	0.9-	0.1+	920307 809	0.6+	0.2-
901117 809	2.4+	0.1+	901122 809	1.5-	0.5+	930916 400	0.1-	0.6+
901121 809	0.8+	0.5+	901122 809	2.5-	0.5-	930916 400	0.5-	1.0-
901121 809	0.1+	0.3-	920229 809	0.2+	0.5+	930919 400	1.4+	1.9-
901121 809	0.4-	0.4+	920303 809	0.6-	0.3+	930919 400	1.1-	2.9+

1991 CY₁ = 1970 GB₂ = 1993 SM₁₃

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	308.82090		(2000.0)		P		Q
<i>n</i>	0.23018217	ω	132.11362	-0.80335069			-0.59523700
<i>a</i>	2.6368672	Ω	11.39571	+0.51613412			-0.71095869
<i>e</i>	0.1332785	<i>i</i>	5.19927	+0.29704082			-0.37447385
<i>P</i>	4.28	<i>H</i>	13.0	<i>G</i>	0.15		

Residuals in seconds of arc

700412 805	0.5-	0.0	910220 400	(0.9-	3.2+)	930916 809	1.7+	0.9+
700412 805	0.5+	0.2+	910220 400	0.2+	0.2+	930916 809	0.4+	0.0
700412 805	0.2+	0.1+	910305 400	0.3-	2.7+	930916 809	0.9-	1.1+
910212 372	0.3-	1.1-	910305 400	1.0+	0.7+	930923 809	0.9+	1.3+
910212 372	0.4-	1.1-	930915 691	0.7-	0.4-	930923 809	0.4+	0.5-
910214 400	1.2-	0.0	930915 691	1.2-	0.4-	930923 809	0.5-	0.3+
910214 400	1.6+	0.4-	930915 691	1.0-	0.6-			

1991 EY₃ = 1993 RX₁₀

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Marsden

<i>M</i>	225.49083		(2000.0)		P		Q
<i>n</i>	0.20337295	ω	237.45569	-0.96520089			+0.26102814
<i>a</i>	2.8637862	Ω	317.66942	-0.23134045			-0.88055798
<i>e</i>	0.1300713	<i>i</i>	1.34956	-0.12193782			-0.39557800
<i>P</i>	4.85	<i>H</i>	13.5	<i>G</i>	0.15		

Residuals in seconds of arc

910312 809	0.4-	0.0	910316 809	0.3+	0.3+	930915 691	0.3-	0.8-
910312 809	0.0	0.3+	910316 809	0.0	0.2+	930915 691	0.7-	0.7-
910312 809	0.4+	0.1+	910316 809	0.1+	0.3+	930915 691	0.9-	0.8-
910314 809	0.1-	0.4-	930914 809	(3.7+	1.4+)	930919 809	0.0	1.3+
910314 809	0.1-	0.4-	930914 809	(3.0+	1.1+)	930919 809	0.4-	0.8+
910314 809	0.1-	0.5-	930914 809	2.0+	0.4+	930919 809	0.4+	0.3-

1991 GM₉ = 1991 HQ = 1973 AW = 1993 QU₇Id. K. Ichikawa, T. Kobayashi, G. V. Williams (d, *MPC* 20313)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Ichikawa

<i>M</i>	233.86733		(2000.0)		P		Q
<i>n</i>	0.17164316	ω	43.74557	-0.99423152			-0.10357015
<i>a</i>	3.2066512	Ω	130.28843	+0.08558507			-0.92272682
<i>e</i>	0.1292001	<i>i</i>	2.09408	+0.06464420			-0.37127946
<i>P</i>	5.74	<i>H</i>	13.1	<i>G</i>	0.15		

Residuals in seconds of arc

730101 095	0.1-	0.1-	910419 809	0.6+	0.1+	930820 809	1.7-	1.2-
910410 809	0.8-	0.9-	910419 809	0.4-	0.8+	930820 809	0.4-	0.2-
910410 809	0.9-	1.8-	910419 809	0.3-	0.8+	930824 809	0.6+	1.6+
910410 809	0.4+	2.0-	930815 809	1.4+	0.3+	930824 809	1.1+	0.4+
910411 033	1.1+	0.5+	930815 809	0.3+	1.3-	930824 809	0.5+	0.7+
910411 033	0.3+	1.0+	930815 809	0.3-	0.1+			
910412 033	0.2-	1.2+	930820 809	1.4-	0.8-			

1991 GN₁₀ = 1992 SO₂₃ = 1994 CD₁₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Ichikawa

<i>M</i>	223.82292		(2000.0)		P		Q
<i>n</i>	0.28791835	ω	242.99356	+0.96073184			+0.26523765
<i>a</i>	2.2713801	Ω	101.53371	-0.21585075			+0.89896721
<i>e</i>	0.1831211	<i>i</i>	4.77174	-0.17436394			+0.34857847
<i>P</i>	3.42	<i>H</i>	14.3	<i>G</i>	0.15		

Residuals in seconds of arc

910409 033	0.6-	0.5+	921001 675	2.3-	0.9+	940209 809	1.5+	0.1-
910409 033	0.5-	0.5+	921001 675	0.8+	0.4-	940209 809	0.3+	0.5+
910411 033	0.3-	0.5+	921003 675	0.5+	0.2-	940209 809	0.9+	0.7-
910411 033	1.3+	0.5-	921003 675	0.3+	0.1-	940212 809	0.7+	0.2-
910412 033	0.2+	1.0-	940207 809	0.0	0.1+	940212 809	0.1-	0.1-
920930 675	0.1-	0.3-	940207 809	1.5-	0.6+	940212 809	0.2+	0.1+
920930 675	0.8+	0.1+	940207 809	1.9-	0.2-			

1991 PU = 1992 YQ₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	206.28614		(2000.0)		P		Q
<i>n</i>	0.22070321	ω	79.78616	+0.98259096			-0.17287098
<i>a</i>	2.7118372	Ω	290.14315	+0.12901161			+0.89847944
<i>e</i>	0.1308700	<i>i</i>	4.15656	+0.13368247			+0.40354717
<i>P</i>	4.47	<i>H</i>	13.6	<i>G</i>	0.15		

Residuals in seconds of arc

910803 809	0.1+	0.7-	910807 675	0.6-	1.9-	921219 010	0.9+	0.2-
910803 809	0.5-	0.2-	910807 675	(0.5-	4.2-)	921219 010	0.4-	0.5+
910803 809	0.6-	0.7-	910808 675	0.2+	0.2+	921219 010	0.2-	0.6+
910804 809	0.4-	1.6+	910808 675	(2.7+	3.9+)	921220 010	1.0-	0.0
910805 675	1.8+	1.9+	921218 010	0.3+	0.9-			
910805 675	0.2-	0.1-	921219 010	0.3+	0.0			

1991 PD₁₃ = 1987 SW₄

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	262.93609		(2000.0)		P		Q
<i>n</i>	0.23533115	ω	345.67769	+0.86976365			+0.49330217
<i>a</i>	2.5982630	Ω	344.74453	-0.44782212			+0.77813709
<i>e</i>	0.2193151	<i>i</i>	2.79105	-0.20728371			+0.38878739
<i>P</i>	4.19	<i>H</i>	15.0	<i>G</i>	0.15		

Residuals in seconds of arc

870929 054	0.6+	0.2+	910805 675	0.2+	0.4-	910912 675	0.1-	0.6-
870930 054	1.2-	0.4-	910808 675	0.3-	0.5+	910912 675	0.2+	0.4+
870930 054	0.6+	0.2+	910808 675	0.0	0.0			

1991 RD₃ = 1989 EA₄

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	296.19146		(2000.0)		P		Q
<i>n</i>	0.18290134	ω	33.16914		-0.45914250		+0.88523164
<i>a</i>	3.0736763	Ω	209.69778		-0.84428668		-0.46091847
<i>e</i>	0.2317070	<i>i</i>	8.65095		-0.27634790		-0.06260277
<i>P</i>	5.39	<i>H</i>	13.0		<i>G</i>	0.15	

Residuals in seconds of arc

890302 809	0.8+	0.0	890303 809	0.1-	0.7-	910913 033	0.4-	0.3+
890302 809	0.2-	0.1-	910909 033	0.1-	0.2-	910914 033	0.7+	0.3-
890302 809	0.2+	0.1-	910910 033	0.4-	0.2+	911004 033	0.5+	0.1-
890303 809	0.5-	1.0+	910912 033	0.2+	0.1-	911004 033	0.8+	0.0
890303 809	0.2-	0.1-	910912 033	0.0	0.2+	911005 033	1.2-	0.1+

1991 RL₅ = 1954 UR = 1986 VO₅ = 1994 GL₃

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	171.22052		(2000.0)		P		Q
<i>n</i>	0.18467309	ω	24.40410		+0.70164568		-0.70967499
<i>a</i>	3.0539855	Ω	21.22394		+0.62141207		+0.56574843
<i>e</i>	0.1959805	<i>i</i>	10.13082		+0.34862643		+0.41986917
<i>P</i>	5.34	<i>H</i>	12.4		<i>G</i>	0.15	

Residuals in seconds of arc

541022 760(60.8- 91.2+)	X	910913 675	0.2+	0.2-	940406 691	0.0	0.6-
861105 688	1.5+ 0.9-	910913 675	0.1-	0.7-	940416 691	0.6-	0.4-
861105 688	1.2- 0.2+	910916 675	0.1+	0.9-	940416 691	0.3-	0.2-
910902 413	0.3+ 0.8+	910916 675	0.4+	1.4-	940416 691	0.6-	0.3-
910902 413	1.0+ 0.2+	940406 691	0.1+	0.2-			
910903 413	1.1- 1.1+	940406 691	0.1-	0.4-			

1991 RU₇ = 1977 RS₁₈

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	271.98780		(2000.0)		P		Q
<i>n</i>	0.28121747	ω	223.05142		+0.74824118		-0.66341971
<i>a</i>	2.3073201	Ω	178.49968		+0.63607663		+0.71607173
<i>e</i>	0.2105191	<i>i</i>	6.73403		+0.18852494		+0.21706121
<i>P</i>	3.50	<i>H</i>	15.7		<i>G</i>	0.15	

Residuals in seconds of arc

770909 675	0.2+	0.2-	910909 801	0.0	0.5+	910913 675	0.1+	0.3-
770910 675	0.1-	0.1+	910909 801	0.1-	0.5+	910913 675	0.3+	0.3-
910908 801	0.2-	0.2-	910912 801	0.6+	0.8+	910916 675	0.2-	0.5-
910908 801	0.4-	1.2-	910912 801	0.2+	0.7+	910916 675	0.3-	0.3+

1991 RR₁₂ = 1984 UB₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	248.37585		(2000.0)		P		Q
<i>n</i>	0.27011031	ω	17.60824		+0.74811773		-0.66312650
<i>a</i>	2.3701469	Ω	23.98291		+0.60143796		+0.66225000
<i>e</i>	0.2347918	<i>i</i>	3.40586		+0.28034308		+0.34883832
<i>P</i>	3.65	<i>H</i>	15.2		<i>G</i>	0.15	

Residuals in seconds of arc

841028 046	(4.1+ 1.8+)	910814 809	0.1+	0.5-	910906 809	0.2-	0.1+
841028 046	0.7+ 0.8-	910814 809	0.2+	0.5-	910906 809	0.5-	0.3-
841029 046	0.5- 0.3-	910814 809	0.1+	0.0	910906 809	0.8-	0.2-
841029 046	0.4+ 0.5-	910904 809	0.4-	1.2+	910907 809	1.2+	0.6-

841030 046	0.3+	0.7+	910904 809	0.5-	2.4+	910907 809	0.8+	1.7-
841030 046	0.7-	0.9+	910904 809	0.4+	2.2+	910907 809	0.0	1.9-

1991 RA₁₅ = 1984 HQ₁ = 1989 EM₉

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	246.43785		(2000.0)		P		Q
<i>n</i>	0.17505086	ω	136.01454		+0.20493962		+0.97877428
<i>a</i>	3.1648992	Ω	145.81140		-0.89840913		+0.18844339
<i>e</i>	0.1561064	<i>i</i>	0.08326		-0.38840802		+0.08056054
<i>P</i>	5.63	<i>H</i>	13.2		<i>G</i>	0.15	

Residuals in seconds of arc

840428 809	0.3-	0.4-	890305 033	0.4-	0.4+	910913 691	1.0-	0.7+
840428 809	0.2+	0.9-	910904 033	1.1+	0.0	910914 033	1.6+	1.0+
840429 809	0.3+	0.5+	910905 033	0.3+	0.0	910914 033	1.7-	0.2+
840429 809	0.6-	0.7+	910911 675	2.1+	0.2-	910915 675	0.7+	0.1+
840502 809	0.1+	0.5-	910911 675	0.1-	1.3-	910915 675	1.0+	0.2+
840502 809	0.3+	0.6+	910913 691	2.5-	2.1+	910916 675	0.2+	1.4-
840505 809	0.0	0.0	910913 675	0.0	0.5-	910916 675	0.8+	0.6-
840505 809	0.2+	0.1+	910913 691	0.9-	0.4+			
890305 033	0.5+	0.2-	910913 675	1.6-	0.5-			

1991 RP₁₇ = 1994 CF₁₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	297.73199		(2000.0)		P		Q
<i>n</i>	0.23851912	ω	300.94678		+0.35976759		+0.93233196
<i>a</i>	2.5750594	Ω	349.93746		-0.76915649		+0.27427087
<i>e</i>	0.2655283	<i>i</i>	12.02192		-0.52817191		+0.23565359
<i>P</i>	4.13	<i>H</i>	14.0		<i>G</i>	0.15	

Residuals in seconds of arc

910904 033	0.2+	1.0-	910913 691	0.0	1.2+	940207 809	0.9-	0.5+
910905 033	0.0	0.1+	910913 691	1.1-	1.3+	940207 809	1.8-	0.1+
910911 675	1.9+	0.0	910913 691	1.1-	1.3+	940209 809	0.9+	0.6-
910911 675	0.2-	0.2+	910916 675	0.5+	0.6-	940209 809	1.4+	0.2-
910913 675	0.3+	0.7-	910916 675	0.9+	1.8-	940209 809	0.7-	0.2-
910913 675	1.6-	0.1-	940207 809	1.1+	0.3+			

1991 RX₂₅ = 1988 XA₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	350.95450		(2000.0)		P		Q
<i>n</i>	0.30983997	ω	253.39856		+0.95777780		+0.27359866
<i>a</i>	2.1629398	Ω	90.65635		-0.21840605		+0.89221204
<i>e</i>	0.2015355	<i>i</i>	5.06894		-0.18697725		+0.35930690
<i>P</i>	3.18	<i>H</i>	14.5		<i>G</i>	0.15	

Residuals in seconds of arc

881211 877	1.0-	0.7+	910912 675	0.4+	1.0-	910915 675	0.1+	0.7+
881211 877	0.6-	0.0	910912 675	0.7+	1.2-	910915 675	0.0	0.9+
881214 877	0.7+	1.0-	Y 910913 675	0.4-	0.2+	910916 675	0.4-	0.1-
881214 877	0.9+	0.3+	Y 910913 675	0.5-	0.8+	910916 675	0.0	0.3-

1991 TV₄ = 1977 DS₁₀ = 1978 ST₃ = 1994 RH₁₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Nakano

<i>M</i>	6.83807		(2000.0)		P		Q
<i>n</i>	0.30790636	ω	207.00753	+0.89246608	+0.44908805		
<i>a</i>	2.1719856	Ω	126.24260	-0.40373515	+0.83738285		
<i>e</i>	0.1745575	<i>i</i>	3.03563	-0.20125163	+0.31162458		
<i>P</i>	3.20	<i>H</i>	13.9	<i>G</i>	0.15		

Residuals in seconds of arc

770219 381	0.1-	0.1-	911104 894	0.3+	0.1+	940901 399	1.0+	0.1+
770219 381	(20.9+	4.6+)	911105 894	0.2-	1.4+	940910 905	0.3+	1.0-
780927 095	1.8-	5.1+	911105 894	0.3-	0.0	940910 905	0.8+	0.8-
911015 894	0.8+	0.8-	911111 894	0.8-	0.3-	940925 905	0.8-	1.3-
911015 894	0.3-	0.1-	911111 894	0.4-	0.7-	940925 905	0.5-	1.6-
911104 894	1.3+	0.4-	940901 399	0.6+	0.0			

1991 TO₁₃ = 1987 QG₇ = 1994 RPId. K. Ichikawa (*MPC* 22234), G. V. Williams

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	18.59025		(2000.0)		P		Q
<i>n</i>	0.28515650	ω	105.96176	+0.83374724	+0.54654559		
<i>a</i>	2.2860227	Ω	220.99641	-0.54121240	+0.78081402		
<i>e</i>	0.1287322	<i>i</i>	6.86769	-0.10933745	+0.30268364		
<i>P</i>	3.46	<i>H</i>	14.0	<i>G</i>	0.15		

Residuals in seconds of arc

870830 026	0.5+	0.9+	930322 809	1.4+	0.3-	940912 596	1.2-	0.7-
870903 026	0.5-	0.6-	940907 596	0.3-	0.7+	940912 596	0.4-	0.7-
911006 033	0.5+	0.0	940907 596	1.0-	0.3+	940925 596	2.3+	0.4-
911006 033	0.2+	0.2-	940907 596	0.4-	0.3-	940925 596	0.3+	0.2+
911008 033	0.6+	0.7+	940909 596	0.7-	0.0	940925 596	0.9-	1.0+
911009 033	0.6-	0.1+	940909 596	0.0	0.0	940927 596	1.2+	1.2+
911010 033	0.9-	0.5-	940909 596	0.1-	1.0-	940927 596	1.5+	1.6+
930321 809	1.0-	1.5+	940912 596	0.6-	1.0-			

1991 VW₃ = 1977 DA₁₀ = 1978 PC₂ = 1994 TV

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Nakano

<i>M</i>	16.04012		(2000.0)		P		Q
<i>n</i>	0.31089802	ω	101.25929	+0.94293477	+0.33256849		
<i>a</i>	2.1580297	Ω	239.31784	-0.31249699	+0.86674130		
<i>e</i>	0.1906489	<i>i</i>	1.09925	-0.11497669	+0.37169573		
<i>P</i>	3.17	<i>H</i>	13.9	<i>G</i>	0.15		

Residuals in seconds of arc

770219 381	1.3-	2.0+	911201 675	0.3+	0.5+	911209 399	0.7-	1.6-
770219 381	1.5+	1.6-	911203 675	0.5+	1.4-	911214 399	(3.3-	0.4+)
780808 095	0.3-	0.8+	911203 675	1.2-	0.5-	911214 399	(5.6-	1.0+)
911111 399	1.8-	0.2+	911205 399	(3.1+	0.6-)	941002 400	0.4+	1.0-
911111 399	0.8+	1.2+	911205 399	(4.7+	1.2-)	941002 400	0.3+	1.6-
911113 399	0.6+	0.2+	911207 399	0.1+	1.6+	941003 400	0.2-	0.8+
911113 399	0.9+	0.4+	911207 399	0.1-	0.4+	941003 400	0.2-	0.9+
911201 675	0.2-	0.0	911209 399	0.7+	0.1-			

1992 EE₁₃ = 1990 WX

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Ichikawa

<i>M</i>	185.46015		(2000.0)		P		Q
<i>n</i>	0.17156057	ω	300.07825	-0.55134749	-0.83423366		
<i>a</i>	3.2076801	Ω	183.41641	+0.80563470	-0.52978469		
<i>e</i>	0.1535853	<i>i</i>	8.07969	+0.21672260	-0.15291301		
<i>P</i>	5.74	<i>H</i>	12.5	<i>G</i>	0.15		

Residuals in seconds of arc

901118 809	0.0	0.1+	901120 809	0.6-	0.3+	920309 809	0.6-	1.2-
901118 809	1.1+	0.4+	901120 809	0.8+	0.4-	920407 809	0.1+	0.2+
901118 809	1.6-	0.4-	920302 809	0.5+	0.7+			
901120 809	0.3+	0.0	920305 809	0.0	0.3+			

1992 EL₁₇ = 1980 WT₄

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Ichikawa

<i>M</i>	22.27245		(2000.0)		P		Q
<i>n</i>	0.28447312	ω	280.97651	+0.87183613	-0.48390952		
<i>a</i>	2.2896823	Ω	108.00219	+0.47471230	+0.79675452		
<i>e</i>	0.0829649	<i>i</i>	4.56652	+0.12062337	+0.36195830		
<i>P</i>	3.46	<i>H</i>	15.9	<i>G</i>	0.15		

Residuals in seconds of arc

801129 675	0.8-	0.2+	920302 809	0.9+	0.2-	920306 809	0.4-	0.5+
801201 675	0.8+	0.2-	920304 809	0.5-	0.3-			

1992 EM₁₈ = 1990 WH₆

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Ichikawa

<i>M</i>	46.54947		(2000.0)		P		Q
<i>n</i>	0.23054148	ω	120.46604	+0.84509024	+0.53231732		
<i>a</i>	2.6341267	Ω	207.46357	-0.51995436	+0.79676992		
<i>e</i>	0.0956262	<i>i</i>	6.17481	-0.12437825	+0.28599994		
<i>P</i>	4.28	<i>H</i>	14.6	<i>G</i>	0.15		

Residuals in seconds of arc

901121 809	0.5+	0.0	901122 809	0.9+	0.8+	920303 809	0.9-	0.7-
901121 809	0.1-	0.0	901122 809	1.0-	0.3-	920305 809	0.3+	0.1+
901121 809	1.5+	0.3+	901122 809	1.8-	0.8-	920308 809	0.7+	0.7+

1992 EN₂₅ = 1978 WO₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	315.45850		(2000.0)		P		Q
<i>n</i>	0.17060124	ω	271.64627	+0.99602637	+0.08509881		
<i>a</i>	3.2196940	Ω	83.47260	-0.06752101	+0.91385158		
<i>e</i>	0.1319151	<i>i</i>	1.51467	-0.05807225	+0.39703083		
<i>P</i>	5.78	<i>H</i>	14.5	<i>G</i>	0.15		

Residuals in seconds of arc

781129 675	0.7-	0.6-	920229 691	0.1+	0.2-	920309 809	0.1+	0.1-
781130 675	0.7+	0.6+	920229 691	0.3-	0.1+			
920229 691	0.0	0.2-	920308 809	0.1+	0.4+			

1992 FX₁ = 1985 FT₁ = 1990 UK₁₀ = 1993 RL₈

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Marsden

<i>M</i>	215.60483		(2000.0)	P	Q
<i>n</i>	0.27991181	ω	43.74664	-0.74011719	+0.67246912
<i>a</i>	2.3144896	Ω	178.49860	-0.64745003	-0.71118004
<i>e</i>	0.1477140	<i>i</i>	7.54417	-0.18175535	-0.20495909
<i>P</i>	3.52	<i>H</i>	13.5	<i>G</i>	0.15

Residuals in seconds of arc

850322 688	1.7+	0.8+	920323 399	0.4+	1.5+	930914 809	0.3-	0.6+
850322 688	1.0-	1.7+	920323 399	0.2+	1.7+	930914 809	0.2-	0.1+
901024 809	1.2+	1.3+	920403 399	1.0-	0.1-	930919 809	0.6-	1.9+
901024 809	0.0	0.7+	920403 399	0.8+	0.4-	930919 809	0.3-	0.9+
901024 809	1.4-	0.6-	920407 399	1.0+	1.3+	930919 809	1.5-	1.0+
920304 400	0.1-	0.1-	920407 399	0.5-	0.9+			
920304 400	0.1+	1.3-	930914 809	1.1+	1.4+			

1992 GR₂ = 1970 QE = 1977 JU = 1978 UC₂ = 1978 VN₁₅ = 1989 SV₁₀ = 1993 UQ

Id. T. Kobayashi, W. Landgraf (d)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	144.26560		(2000.0)	P	Q
<i>n</i>	0.26061376	ω	128.92233	+0.64319799	+0.76569945
<i>a</i>	2.4273803	Ω	181.10941	-0.71511899	+0.60032146
<i>e</i>	0.1678103	<i>i</i>	2.45761	-0.27368078	+0.23090798
<i>P</i>	3.78	<i>H</i>	13.7	<i>G</i>	0.15

Residuals in seconds of arc

700828 095	1.3-	2.5+	890929 809	0.1+	0.7-	920425 809	0.2-	0.5+
700829 095(13.3-	7.6-)		890929 809	0.1+	1.0-	920425 809	0.5-	0.6+
700831 095	1.0-	1.5+	890929 809	0.1+	1.3-	920425 809	1.0-	0.3-
770515 095	1.9+	1.2-	920404 809	0.3+	1.0-	931016 400	0.3+	1.3+
781030 801	0.7-	0.4+	920404 809	0.7-	1.0-	931016 400	0.9+	0.5-
781101 095	0.1-	1.7+	920404 809	0.3+	1.1-	931020 399	0.1+	0.4+
890928 809	0.4+	0.7-	920406 809	1.1+	1.1+	931020 399	0.5-	1.0-
890928 809	0.7+	0.9-	920406 809	0.4+	0.3+			
890928 809	0.9+	1.0-	920406 809	1.4-	1.7+			

1992 OF₁ = 1948 PV = 1970 NH = 1981 ND = 1982 VZ₁₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	104.25322		(2000.0)	P	Q
<i>n</i>	0.17992589	ω	231.55169	+0.98919443	+0.05018746
<i>a</i>	3.1074700	Ω	125.15456	-0.00614148	+0.95294341
<i>e</i>	0.2288510	<i>i</i>	9.69962	-0.14648091	+0.29896502
<i>P</i>	5.48	<i>H</i>	11.8	<i>G</i>	0.15

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

480812 094(0.03+	0.00+)	X	920721 809	0.6+	0.1-	920722 809	0.0	0.1-
700714 095	0.1-	0.1+	920721 809	1.3+	0.0	920726 010	0.3-	0.6-
810702 805(0.6-	9.7-)		920722 809	0.0	0.4+	920726 010	0.7+	0.0
810702 805	0.1+	0.8+	920722 809	0.2+	0.4+	920726 010	0.0	0.4+
821114 095	0.3+	0.7-	920722 809	0.4+	0.6+	920726 010	0.8-	0.2-
821221 095	0.4-	1.0+	920722 809	1.0-	0.1-	920727 010	0.6-	0.9-
920721 809	0.3+	0.1-	920722 809	0.6-	0.3-			

1992 OC₅ = 1973 AH₁ = 1977 XQ₃ = 1988 XZ₄ = 1989 YF₉

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	218.06230		(2000.0)	P	Q
<i>n</i>	0.17531317	ω	15.03481	-0.75435120	+0.65645899
<i>a</i>	3.1617415	Ω	205.99688	-0.60323399	-0.69555661
<i>e</i>	0.1301411	<i>i</i>	0.52054	-0.25896528	-0.29199759
<i>P</i>	5.62	<i>H</i>	12.3	<i>G</i>	0.15

Residuals in seconds of arc

730101 095	0.7+	1.4-	891231 413	0.2-	1.4-	920730 809	1.4+	0.1+
771207 675	0.9+	0.7+	920724 809	1.2+	1.1-	920730 809	0.8+	0.3+
771208 675	2.9-	0.4+	920724 809	1.0-	2.1-	920730 809	0.2+	0.4+
881205 381	0.2+	0.1+	920724 809	3.0-	2.9-	920730 809	0.3-	1.2+
881206 381	0.3+	0.2-	920726 809	0.9+	0.9-	920730 809	0.9-	0.3-
881207 381	0.1-	0.2+	920726 809	0.2+	0.4-	920731 809	0.8+	1.2+
881208 381	1.1+	0.5+	920726 809	0.3-	0.5-	920731 809	0.2-	0.7+
891231 413	1.4-	2.1-	920730 809	1.8+	0.4-	920731 809	0.5-	1.0+

1992 PX = 1980 FU₃

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	165.45699		(2000.0)	P	Q
<i>n</i>	0.27350051	ω	209.57533	+0.98035924	-0.19563908
<i>a</i>	2.3505200	Ω	161.65651	+0.19290427	+0.92492689
<i>e</i>	0.1274037	<i>i</i>	4.54203	+0.04103306	+0.32593802
<i>P</i>	3.60	<i>H</i>	15.2	<i>G</i>	0.15

Residuals in seconds of arc

800316 809	0.2-	0.4+	920724 809	0.4-	0.9+	920730 809	0.3+	0.3-
800316 809	0.2+	0.3-	920724 809	0.3-	1.0+	920808 010	1.4+	0.2+
800316 809	0.3+	0.1+	920724 809	0.1-	0.6-	920808 010	0.4-	0.4+
800316 809	0.9+	0.2-	920726 809	1.1+	1.5+	920808 010	0.3-	0.3-
800317 809	0.3-	0.3-	920726 809	0.1+	1.4+	920809 010	0.1-	1.3-
800317 809	0.2-	0.3-	920726 809	0.4-	1.5+	920809 010	1.1-	1.5-
800317 809	0.7-	0.3+	920730 809	0.9+	1.2-	920809 010	0.9-	1.3-
800317 809	0.2-	0.4-	920730 809	0.4+	0.5-			

1992 QE₂ = 1971 SA₁ = 1987 SD₂₂ = 1989 CV₃ = 1990 EU₃ = 1990 GM

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	132.01911		(2000.0)	P	Q
<i>n</i>	0.18756420	ω	168.99426	+0.98162166	+0.19083741
<i>a</i>	3.0225217	Ω	180.00420	-0.18815822	+0.96782519
<i>e</i>	0.2480966	<i>i</i>	13.82205	-0.03186540	+0.16399843
<i>P</i>	5.25	<i>H</i>	12.8	<i>G</i>	0.15

Residuals in seconds of arc

710916 095	0.4+	2.5-	900302 809	0.4-	1.2-	900417 809	(41.2+	71.5-)
870918 095	0.7+	1.4-	900302 809	1.2+	0.8-	900417 809	(35.3+	73.3-)
890205 809	0.6+	0.4+	900304 809	0.3+	1.0+	920822 675	0.9-	0.6+
890205 809	0.3+	0.9-	900304 809	0.0	0.9+	920822 675	0.2+	0.7+
890205 809	0.7+	0.5+	900304 809	0.2+	0.2+	920825 675	0.6-	1.6+
890207 809	1.4-	1.3+	900415 809	(5.9-	6.4+)	920825 675	0.4+	1.5+
890207 809	0.5-	1.4+	900416 809	(6.6-	4.4+)	920828 675	0.1+	0.5+
890207 809	0.4-	0.9+	900416 809	(5.2-	3.8+)	920828 675	0.3-	0.5+
900302 809	0.4-	0.6-	900416 809	(44.9+	69.9-)			

1992 SX₁ = 1980 FB₃

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	149.52953		(2000.0)		P		Q
<i>n</i>	0.28183462	ω	5.33271	+0.44009337			-0.89776518
<i>a</i>	2.3039506	Ω	58.55862	+0.82305914			+0.39514817
<i>e</i>	0.1101161	<i>i</i>	1.23019	+0.35901460			+0.19461658
<i>P</i>	3.50	<i>H</i>	15.3	<i>G</i>	0.15		

Residuals in seconds of arc

800316 809	0.5+	0.2-	800317 809	0.4-	0.6+	920923 033	0.6-	0.7+
800316 809	0.8+	0.7-	800317 809	0.4-	0.5+	920924 033	0.2+	0.1-
800316 809	0.6-	0.9+	800317 809	0.9-	0.2+	920926 033	0.3+	1.1+
800316 809	0.3+	0.1-	920921 033	0.1-	1.1+	920927 033	0.1+	0.2-
800317 809	0.8+	1.4-	920922 033	0.1+	2.1-	920928 033	0.0	0.5-

1992 SC₂₄ = 1981 UJ₁₃ = 1985 XQ

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	158.07348		(2000.0)		P		Q
<i>n</i>	0.26763064	ω	167.58597	+0.70820723			-0.70031207
<i>a</i>	2.3847645	Ω	237.24146	+0.63830853			+0.68928887
<i>e</i>	0.1211334	<i>i</i>	6.10754	+0.30166992			+0.18559059
<i>P</i>	3.68	<i>H</i>	13.6	<i>G</i>	0.15		

Residuals in seconds of arc

811023 095	0.0	0.1-	920929 675	0.7-	0.2-	921003 675	0.1+	0.1+
851213 010	0.9-	0.3+	920930 675	0.5+	0.4+	921004 675	0.2-	0.4-
851217 010	(7.1-	2.9-)	920930 675	(5.3-	1.3-)	921004 675	0.1+	0.0
851217 010	1.0+	0.2-	921003 675	0.2+	0.1+			

1992 TB

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Marsden

<i>M</i>	239.09788		(2000.0)		P		Q
<i>n</i>	0.63406751	ω	5.92470	-0.98062914			+0.19007420
<i>a</i>	1.3418760	Ω	185.72580	-0.19347931			-0.97761285
<i>e</i>	0.4623133	<i>i</i>	28.30774	-0.03053283			+0.09024920
<i>P</i>	1.55	<i>H</i>	17.5	<i>G</i>	0.15		

Residuals in seconds of arc

921002 691	0.2-	0.5-	921004 691	0.6-	0.0	921217 691	0.8-	0.7-
921002 691	0.6-	0.8-	921004 691	0.3-	0.7+	921217 691	0.5-	0.3-
921002 691	0.6-	0.8-	921004 691	0.2+	1.0+	921217 691	0.1+	1.5+
921003 691	0.5+	0.0	921004 691	0.1+	1.1+	940928 691	0.0	0.0
921003 691	0.5+	0.4-	921018 691	0.3-	0.6-	940928 691	0.0	0.6-
921003 691	1.0+	0.5-	921018 691	0.1+	0.5-	940929 691	0.6-	0.4+
921004 691	0.1+	0.3+	921018 691	0.2+	0.7-	940929 691	0.5+	0.1+
921004 691	0.2+	1.4+	921217 691	0.9+	0.5-	940929 691	0.1+	0.2+

1993 DW = 1988 XS₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	198.48445		(2000.0)		P		Q
<i>n</i>	0.28050748	ω	237.20023	-0.24725141			-0.96798673
<i>a</i>	2.3112118	Ω	227.17806	+0.90753765			-0.21572033
<i>e</i>	0.1120493	<i>i</i>	3.37856	+0.33947334			-0.12832162
<i>P</i>	3.51	<i>H</i>	13.9	<i>G</i>	0.15		

Residuals in seconds of arc

881211 877	0.2+	2.1-	930215 399	1.3+	0.0	930225 399	0.0	0.4-
881211 877	0.5-	0.2+	930215 399	1.5-	0.4-	930225 399	0.1+	0.1-

881214 877 1.0- 0.7- Y 930221 399 0.1- 0.1-

881214 877 1.3+ 2.5+ Y 930221 399 0.1+ 0.9+

1993 FN₁ = 1952 SH = 1977 QP₁ = 1990 SU₁₉

Id. H. Kaneda (1994 observations), S. Nakano

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Nakano

<i>M</i>	38.06186		(2000.0)		P		Q
<i>n</i>	0.23454754	ω	142.12461	+0.33840178			+0.93733943
<i>a</i>	2.6040468	Ω	147.41492	-0.89659320			+0.34793398
<i>e</i>	0.1892939	<i>i</i>	8.85913	-0.28566568			+0.01835043
<i>P</i>	4.20	<i>H</i>	12.6	<i>G</i>	0.15		

Residuals in seconds of arc

520920 760	(45.1+	4.7-)	X	930325 399	1.3-	1.8+	930415 399	1.1-	2.7-
770819 095	0.0	0.3+		930325 399	0.3+	0.5+	940901 399	0.1-	1.1-
900918 675	0.3+	0.9-		930326 399	0.1-	0.1+	940901 399	0.2+	1.5+
900918 675	0.2-	0.2-		930326 399	0.1-	1.8+	941001 399	0.2-	1.1-
930315 400	0.7-	0.6-		930329 399	1.7+	0.1+	941001 399	0.3+	0.1+
930315 400	1.0+	0.0		930329 399	2.7+	0.7-			
930322 399	2.0-	0.3+		930415 399	0.8-	2.2-			

1993 FX₂₅ = 1994 SH

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	63.83615		(2000.0)		P		Q
<i>n</i>	0.27647687	ω	311.44857	+0.26427581			+0.96392880
<i>a</i>	2.3336202	Ω	333.82485	-0.86211968			+0.22141450
<i>e</i>	0.1312222	<i>i</i>	4.11006	-0.43232852			+0.14770542
<i>P</i>	3.56	<i>H</i>	15.0	<i>G</i>	0.15		

Residuals in seconds of arc

930321 809	0.3+	0.0	940930 595	0.4+	0.2+	941007 595	0.1-	0.0
930322 809	0.2+	0.2+	940930 595	0.5-	0.5+	941007 595	0.1+	0.1+
930326 809	0.6-	0.1-	941005 595	0.2+	0.2-			
930417 413	0.1+	0.1-	941006 595	0.2-	0.4-			

1993 FU₂₈ = 1971 QT₁ = 1990 OU₅

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	18.76272		(2000.0)		P		Q
<i>n</i>	0.25690214	ω	9.34536	+0.77272372			+0.63313655
<i>a</i>	2.4507042	Ω	311.27363	-0.58617432			+0.68451936
<i>e</i>	0.1639462	<i>i</i>	3.44209	-0.24351125			+0.36134659
<i>P</i>	3.84	<i>H</i>	13.4	<i>G</i>	0.15		

Residuals in seconds of arc

710830 095	(4.7+	5.1-)		900720 372	0.4+	1.2+	930326 809	0.4-	0.0
710916 095	0.0	0.1+		930321 809	0.7-	0.3+	930417 413	1.0+	0.3-
900720 372	0.4-	1.2-		930322 809	0.2+	0.1+			

1993 FB₃₂ = 1949 QG = 1979 OO₁₂

Id. G. V. Williams, T. Kobayashi

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	297.55163		(2000.0)		P		Q
<i>n</i>	0.26146240	ω	227.32657	+0.88431607			-0.46642072
<i>a</i>	2.4221250	Ω	160.44696	+0.44454889			+0.82747802
<i>e</i>	0.1838090	<i>i</i>	3.58028	+0.14269328			+0.31262092
<i>P</i>	3.77	<i>H</i>	13.7	<i>G</i>	0.15		

Residuals in seconds of arc

490821 024	2.4−	0.2−	930319 809	0.8+	0.3−	930414 691	0.6+	1.5+
490822 024	2.8+	1.1−	930320 809	1.0+	1.4−	930414 691	3.0−	0.9+
790726 675	1.4−	1.6+	930324 809	0.5+	0.9−	930418 413	(4.9−	0.0)
790727 675	1.2+	0.6−	930414 691	0.1−	0.6−			

1993 FU₃₃ = 1970 EO₂ = 1991 XW₁

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

				Kobayashi			
<i>M</i>	154.14693		(2000.0)	P		Q	
<i>n</i>	0.21578782	ω	88.87720	−0.80626148		−0.58782811	
<i>a</i>	2.7528640	Ω	55.11604	+0.50549080		−0.74285891	
<i>e</i>	0.0908143	<i>i</i>	4.63843	+0.30728078		−0.32034161	
<i>P</i>	4.57	<i>H</i>	12.8	<i>G</i>	0.15		

Residuals in seconds of arc

700304 805	0.8−	0.1+	911210 033	0.7−	0.1+	930319 809	0.6+	0.7−
700304 805	0.2+	0.1−	911210 033	0.8+	0.2+	930320 809	0.1+	0.5+
700304 805	0.4+	0.3−	911211 033	0.1−	0.2−	930324 809	0.5−	0.7+

1993 FH₃₈ = 1979 ST₅ = 1991 XP₆ = 1994 PY

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

				Nakano			
<i>M</i>	10.66258		(2000.0)	P		Q	
<i>n</i>	0.26224407	ω	182.26487	+0.86501052		+0.50092188	
<i>a</i>	2.4173095	Ω	147.62255	−0.45949809		+0.81396918	
<i>e</i>	0.1892551	<i>i</i>	3.09157	−0.20153984		+0.29416227	
<i>P</i>	3.76	<i>H</i>	13.6	<i>G</i>	0.15		

Residuals in seconds of arc

790923 095	0.9+	2.3−	930320 809	0.3+	0.1−	940815 411	0.4−	0.9+
911207 691	0.0	0.4+	930324 809	0.2+	0.9−	940815 411	0.2−	0.5+
911207 691	0.1−	0.3+	930416 413	(5.0+	5.7−)	940815 411	0.2−	0.4+
911207 691	0.1+	0.3+	940814 411	0.4−	0.5+			
930319 809	0.7−	0.7+	940814 411	0.2+	0.0			

1993 FX₇₇ = 1978 WY₁₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

				Ichikawa			
<i>M</i>	109.96865		(2000.0)	P		Q	
<i>n</i>	0.30347605	ω	16.25621	−0.12895140		+0.99065495	
<i>a</i>	2.1930731	Ω	246.35223	−0.91513786		−0.13614111	
<i>e</i>	0.2236822	<i>i</i>	2.78030	−0.38196103		−0.00826906	
<i>P</i>	3.25	<i>H</i>	14.0	<i>G</i>	0.15		

Residuals in seconds of arc

781129 675	0.7+	0.5+	930321 809	1.6+	0.6−	930326 809	0.3+	0.5−
781130 675	0.7−	0.6−	930322 809	1.9−	1.1+			

1993 LS₁ = 1982 XL

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

				Kobayashi			
<i>M</i>	34.99720		(2000.0)	P		Q	
<i>n</i>	0.24223880	ω	24.71238	+0.82093918		+0.53859105	
<i>a</i>	2.5486307	Ω	301.37188	−0.55386426		+0.67026172	
<i>e</i>	0.1756796	<i>i</i>	12.83583	−0.13890010		+0.51055744	
<i>P</i>	4.07	<i>H</i>	13.6	<i>G</i>	0.15		

Residuals in seconds of arc

821212 381	0.6−	0.7+	930613 413	0.5−	1.5−	930615 413	0.1−	0.6−
821212 381	0.2−	0.9−	930614 413	0.1+	1.5+	930615 413	0.0	0.1−

821214 381	0.7+	0.2+	930614 413	0.4+	0.1−	930618 413	0.3−	0.1+
930613 413	0.1−	0.5+	930615 413	0.8+	0.8+	930618 413	0.5−	0.8−

1993 MO

Id. D. J. Asher (1983 observations)

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

				Williams			
<i>M</i>	201.13024		(2000.0)	P		Q	
<i>n</i>	0.47531331	ω	167.08290	+0.16687010		+0.91874419	
<i>a</i>	1.6261080	Ω	111.59383	−0.93539009		+0.26227827	
<i>e</i>	0.2208413	<i>i</i>	22.63575	−0.31176876		−0.29515965	
<i>P</i>	2.07	<i>H</i>	16.0	<i>G</i>	0.15		

Residuals in seconds of arc

831229 413	1.3+	1.1−	930629 557	0.0	0.2+	930722 675	0.1+	0.1−
831229 413	1.2−	0.7+	930629 557	0.5+	0.3−	930722 675	(0.6−	3.1−)
930622 675	(2.0−	3.8−)	930629 557	0.1+	0.4+	930723 587	0.6−	0.3+
930622 675	(0.5+	3.5+)	930630 413	0.5−	1.2+	930723 587	0.5+	0.6−
930624 675	1.7+	1.9−	930630 413	0.6−	1.1+	930730 413	0.2+	0.1−
930624 675	1.4+	2.5+	930630 413	0.4−	1.2+	930730 413	0.3+	0.3−
930625 670	0.2+	0.2−	930630 413	0.1−	0.8+	930731 413	0.6+	0.6−
930625 670	0.4+	0.5+	930630 413	0.1−	0.2+	930810 474	0.8−	0.6−
930625 670	0.2−	0.2−	930701 657	0.4−	0.6−	930810 474	1.6−	0.2−
930625 670	0.2+	0.7−	930701 657	0.3−	0.5−	930819 474	0.9−	0.1+
930625 670	0.5+	0.4−	930701 657	0.3−	0.1−	930819 474	1.9−	0.2−
930625 670	1.4+	0.8−	930701 413	0.4−	0.3−	930824 413	0.7+	0.0
930625 675	1.9−	0.8−	930701 413	0.4−	0.4−	930824 413	0.8+	0.0
930625 670	0.6+	1.1−	930706 657	0.5−	0.0	930824 413	0.8+	0.2+
930625 675	0.2+	1.3−	930706 657	0.3−	0.0	930825 413	0.5+	0.1+
930625 413	1.0−	0.7−	930707 104	2.0+	0.9−	930825 413	2.3+	1.4+
930625 413	0.6+	2.3+	930708 104	0.2+	0.2−	930901 413	0.0	0.1−
930626 670	0.6+	0.1+	930708 104	1.5+	0.7+	930901 413	0.0	0.1−
930626 670	0.6+	1.7+	930715 657	0.2+	0.6−	930916 474	0.4−	1.1+
930626 670	1.3+	0.8+	930715 657	0.4+	0.2+	930916 474	1.5−	0.2+
930626 675	1.7−	0.2−	930715 657	0.1+	0.1+	931026 413	0.3−	0.4+
930626 413	0.4+	0.8+	930716 801	0.0	0.5+	931026 413	0.1−	0.2+
930629 670	0.3−	0.0	930716 801	0.1−	0.2+	931026 413	0.3+	0.6+
930629 670	0.3+	0.3−	930717 658	1.7−	0.8−	931027 413	0.3+	0.6+
930629 670	0.5−	0.8−	930717 658	1.8−	0.6−	931027 413	0.3+	0.5+
930629 557	0.3+	0.3−	930717 658	2.1−	0.2+	931120 413	1.3+	0.3+
930629 557	0.6−	0.2+	930721 675	(2.0−	3.6−)	931120 413	0.2+	0.7−

1993 MZ = 1985 RL₅ = 1992 EX₁₈

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

				Kobayashi			
<i>M</i>	18.65278		(2000.0)	P		Q	
<i>n</i>	0.22291307	ω	352.33020	+0.92974181		+0.36412637	
<i>a</i>	2.6938849	Ω	345.93526	−0.32475209		+0.74088973	
<i>e</i>	0.1902181	<i>i</i>	13.00808	−0.17354033		+0.56435307	
<i>P</i>	4.42	<i>H</i>	13.4	<i>G</i>	0.15		

Residuals in seconds of arc

850915 095	0.0	0.1−	930613 413	0.4+	1.1−	930618 413	0.2+	0.3−
920301 809	0.9+	0.0	930614 413	0.0	0.0	930618 413	0.8−	0.4−
920304 809	1.0−	0.1−	930615 413	0.1−	1.1+			
930613 413	0.3−	0.6+	930615 413	0.5+	0.0			

**1993 OZ₄ = 1979 HW₃ = 1982 DN₃ = 1983 RV₆ = 1983 RZ₇
= 1990 SG₁₃**

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5				Kobayashi				
<i>M</i>	124.34262		(2000.0)	P		Q		
<i>n</i>	0.28993586	ω	162.39888	+0.36829485	+0.92856267			
<i>a</i>	2.2608310	Ω	129.18599	−0.85999389	+0.35911940			
<i>e</i>	0.1437499	<i>i</i>	3.41382	−0.35322713	+0.09383299			
<i>P</i>	3.40	<i>H</i>	14.5	<i>G</i>	0.15			
Residuals in seconds of arc								
790425 095	1.1+	0.5+	900922 809	0.1+	0.8+	930713 809	0.6+	0.2−
820221 033	0.1+	0.6+	900922 809	0.1+	0.8+	930713 809	0.2+	0.3−
820221 033	0.3−	1.6+	900924 809	0.4−	0.3−	930720 809	0.7−	0.8+
830906 095	0.6−	1.2−	900924 809	0.1−	0.1+	930720 809	0.6−	0.8+
830911 095	0.1+	0.6+	900924 809	0.6+	0.3+	930720 809	1.0−	0.3+
900922 809	0.1−	0.9+	930713 809	0.7+	0.8−	930724 809	0.5+	0.5−

1993 OH₆ = 1979 OM₅

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5				Kobayashi				
<i>M</i>	19.46305		(2000.0)	P		Q		
<i>n</i>	0.28147419	ω	285.91513	+0.66731033		-0.74097989		
<i>a</i>	2.3059169	Ω	121.97789	+0.71272229		+0.60604910		
<i>e</i>	0.1115926	<i>i</i>	5.08191	+0.21615702		+0.28922880		
<i>P</i>	3.50	<i>H</i>	14.9	<i>G</i>	0.15			
Residuals in seconds of arc								
790724 675	0.3+	0.3+	930713 809	0.6+	0.7+	930720 809	0.6-	0.9-
790725 675	0.4-	0.5+	930713 809	0.1-	0.1+	930720 809	1.1-	0.4+
930713 809	0.5+	0.3-	930720 809	0.4-	0.1+	930724 809	1.2+	0.9-

1993 OY₆ = 1937 GJ = 1972 LG₁ = 1992 AP₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5					Kobayashi				
<i>M</i>	134.86218		(2000.0)		P		Q		
<i>n</i>	0.28308853	ω	148.66086		+0.00419259		+0.99579551		
<i>a</i>	2.2971421	Ω	121.43271		-0.93823320		+0.03557751		
<i>e</i>	0.2205872	<i>i</i>	6.15659		-0.34597815		-0.08441295		
<i>P</i>	3.48	<i>H</i>	14.5		<i>G</i>	0.15			
Residuals in seconds of arc									
370411 024	0.0	0.1-	920109 691	0.1+	0.7-	930713 809	2.4-	0.7-	
720614 095	(5.9+ 9.1-)		920109 691	0.3-	0.9-	930720 809	2.3+	1.0-	
920102 691	0.3+ 0.6-		920109 691	0.5-	1.0-	930720 809	0.8+	0.2-	
920102 691	0.1- 0.5-		930713 809	0.6-	0.3-	930720 809	1.2+	0.5-	
920102 691	0.1- 0.8-		930713 809	1.1-	0.4-	930724 809	(3.9+ 1.0+)		

1993 OJ₇ = 1979 ON₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5					Kobayashi				
M	10.67933		(2000.0)		P		Q		
n	0.28207794	ω	117.46713		+0.56478517		-0.82029955		
a	2.3026254	Ω	297.86115		+0.71658956		+0.54166994		
e	0.0961501	i	5.85239		+0.40928856		+0.18358196		
P	3.49	H	13.4		G	0.15			
Residuals in seconds of arc									
790724 675	0.5+	0.4-	930713 809	0.4+	0.1+	930720 809	1.1-	0.6-	
790724 413	0.8-	0.7+	930713 809	0.2+	0.0	930724 809	0.5+	1.0+	
790727 675	0.1+	0.0	930720 809	0.0	0.3-				
930713 809	0.3+	0.6+	930720 809	0.1-	0.9-				

1993 PZ₆ = 1974 SN = 1977 GC

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5					Kobayashi				
M	102.55366		(2000.0)		P		Q		
n	0.20599930		ω	6.19737	+0.51020348		+0.85864392		
a	2.8393933		Ω	294.48959	-0.79138840		+0.44629082		
e	0.1978321		i	3.10066	-0.33674443		+0.25210140		
P	4.78		H	13.1	G	0.15			
Residuals in seconds of arc									
740919 095	0.5-	2.1-	930815 010	1.2-	1.1+	930817 010	0.1+	1.6-	
740923 095	0.5+	2.1+	930815 010	0.9-	0.2+	930819 010	1.2+	0.2+	
770410 381	0.4-	1.5-	930815 010	2.0-	0.4+	930819 010	0.8+	0.7+	
770410 381	0.2+	1.1+	930817 010	1.2+	1.3-	930819 010	0.9+	0.1+	

1993 PB₇ = 1988 VV₆ = 1991 EX₃

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5									
Kobayashi									
<i>M</i>	143.15049		(2000.0)	P		Q			
<i>n</i>	0.17571509	ω	73.23511	-0.40830124		+0.91284659			
<i>a</i>	3.1569183	Ω	172.66644	-0.84076550		-0.37559119			
<i>e</i>	0.1334080	<i>i</i>	0.49323	-0.35553265		-0.16013234			
<i>P</i>	5.61	<i>H</i>	13.0	<i>G</i>	0.15				
Residuals in seconds of arc									
881103 033	0.1+	0.5+	910314 809	0.8-	0.2-	930815 010	0.9+	2.1-	
881103 033	0.6-	0.2+	910314 809	0.5-	0.2-	930817 010	1.6+	2.9-	
881104 033	0.1+	0.1+	910316 809	0.6-	1.9-	930918 010	1.6-	1.1-	
910312 809	0.0	0.1-	910316 809	0.5-	1.8-	930918 010	0.4-	0.6+	
910312 809	0.5+	0.5-	910316 809	0.5-	1.6-	930918 010	0.5+	0.7+	
910312 809	0.9+	0.7-	930815 010	0.7+	1.3-				
910314 809	0.9-	0.2-	930815 010	1.1+	1.1-				

1993 PK₇ = 1976 UP₉

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5					Kobayashi				
<i>M</i>	77.98827		(2000.0)	P	Q				
<i>n</i>	0.17043430	ω	229.38251	+0.73474537	+0.67833317				
<i>a</i>	3.2217961	Ω	87.90362	-0.62125829	+0.67506736				
<i>e</i>	0.1977337	<i>i</i>	0.20950	-0.27237360	+0.29008304				
<i>P</i>	5.78	<i>H</i>	13.9	<i>G</i>	0.15				
Residuals in seconds of arc									
761022 381	0.8-	0.3-	930815 010	0.2+	1.0+	930918 010	1.0+	0.6-	
761022 381	0.1-	0.1-	930815 010	0.3-	0.3-	930918 010	0.7-	0.9-	
761024 381	0.8+	0.6+	930817 010	0.7-	0.4-				
930815 010	0.4+	0.3+	930918 010	0.2+	0.8+				

1993 RZ₁ = 1978 WF₁₅

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5					Kobayashi				
<i>M</i>	126.88175		(2000.0)		P		Q		
<i>n</i>	0.25507418	ω	61.45339		+0.62949322		+0.77682114		
<i>a</i>	2.4623988	Ω	247.56942		-0.71914224		+0.57421696		
<i>e</i>	0.1395001	<i>i</i>	1.05054		-0.29423245		+0.25850299		
<i>P</i>	3.86	<i>H</i>	13.4		<i>G</i>	0.15			
Residuals in seconds of arc									
781130 675	0.4+	0.3-	930913 400	1.4+	0.4+	930921 400	0.7+	0.4-	
781201 675	0.4-	0.3+	930913 400	0.7+	0.7+	930921 400	0.9+	1.3+	
930912 400	0.2+	0.0	930919 400	1.9-	2.2-				
930912 400	1.2-	1.4-	930919 400	0.9-	1.7+				

1993 RC₂ = 1989 SU₇

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	61.72655		(2000.0)	P	Q
<i>n</i>	0.24228704	ω	37.44494	+0.74915616	-0.66218481
<i>a</i>	2.5482924	Ω	4.13965	+0.53831221	+0.59400719
<i>e</i>	0.2850297	<i>i</i>	13.31324	+0.38598576	+0.45680055
<i>P</i>	4.07	<i>H</i>	14.1	<i>G</i>	0.15

Residuals in seconds of arc

890927 675	0.7+	0.8+	930915 400	0.4-	1.7-	930919 400	0.4-	1.2-
890928 675	0.3+	0.3-	930915 400	1.4+	0.6-	931011 400	0.5+	0.0
890928 675	0.3+	0.7+	930916 400	0.9-	1.4+	931011 400	0.7-	0.0
890929 675	0.1-	0.1-	930916 400	(3.6-	0.9-)			
890929 675	1.0-	1.2-	930919 400	0.5+	2.2+			

1993 RQ₅ = 1979 OK₁₀

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	324.60408		(2000.0)	P	Q
<i>n</i>	0.22203289	ω	298.20168	-0.52548834	-0.85076729
<i>a</i>	2.7009995	Ω	183.52706	+0.81728781	-0.50230307
<i>e</i>	0.0516102	<i>i</i>	7.05038	+0.23643739	-0.15455303
<i>P</i>	4.44	<i>H</i>	13.5	<i>G</i>	0.15

Residuals in seconds of arc

790724 413	0.4+	0.5-	930915 809	1.1-	0.7+	930917 809	1.1-	0.3-
790726 675	0.9+	0.5+	930916 809	2.4+	1.4-	930917 809	2.0-	0.1+
790728 413	1.3-	0.0	930916 809	2.3+	1.1-	930923 809	1.0+	0.1+
930915 809	0.4-	0.9+	930916 809	1.2+	0.5-	930923 809	0.4+	0.1+
930915 809	1.3-	0.6+	930917 809	1.6-	0.1-	930923 809	0.1+	0.9+

1993 SB

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Marsden

<i>M</i>	318.99486		(2000.0)	P	Q
<i>n</i>	0.00398204	ω	79.01471	+0.27852284	-0.96042478
<i>a</i>	39.4213949	Ω	354.81023	+0.86751467	+0.25293642
<i>e</i>	0.3213859	<i>i</i>	1.92850	+0.41212051	+0.11665079
<i>P</i>	247.51	<i>H</i>	8.0	<i>G</i>	0.15

Residuals in seconds of arc

930916 950	0.2+	0.9-	930920 950	0.5+	0.1+	940910 568	0.7+	0.4-
930917 950	1.3-	0.7-	930922 950	0.2+	0.0	940910 568	0.6+	0.5-
930918 950	0.6-	0.3+	940815 950	0.6-	1.5+	940929 568	0.4-	0.4-
930918 950	0.6+	0.4-	940816 950	1.3-	1.3+	940929 568	0.4-	0.3-
930918 950	0.2-	1.9+	940910 568	0.8+	0.2-			
930919 950	0.7+	0.5-	940910 568	0.6+	0.8-			

1993 SH₂ = 1974 SV = 1991 EW₇

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	59.24948		(2000.0)	P	Q
<i>n</i>	0.25947698	ω	48.32798	+0.71184826	-0.70232350
<i>a</i>	2.4344647	Ω	356.28005	+0.62619386	+0.63706069
<i>e</i>	0.2001979	<i>i</i>	3.27832	+0.31804609	+0.31764035
<i>P</i>	3.80	<i>H</i>	13.9	<i>G</i>	0.15

Residuals in seconds of arc

740919 095	0.9-	0.3+	910315 809	0.1-	0.0	930921 400	0.5-	1.1+
740921 095	0.9+	0.2+	910315 809	0.3-	0.5+	930921 400	1.7+	1.6+

740923 095	0.5-	0.6+	930919 400	0.2-	2.9-	931006 400	1.7+	0.2-
910315 809	0.4+	0.4-	930919 400	0.8-	0.1-	931006 400	1.5-	0.5-

1993 TK₂ = 1974 FN₁ = 1984 SG₃

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	166.34457		(2000.0)	P	Q
<i>n</i>	0.22548925	ω	254.85780	+0.11492905	+0.98951714
<i>a</i>	2.6733275	Ω	22.31048	-0.79982889	+0.14438459
<i>e</i>	0.1554971	<i>i</i>	13.31787	-0.58912228	-0.00298530
<i>P</i>	4.37	<i>H</i>	12.1	<i>G</i>	0.15

Residuals in seconds of arc

740321 095	0.1+	0.2+	840928 688	0.3+	0.0	931019 589	0.0	0.5+
840924 071	0.8-	0.8+	931015 565	0.5+	0.8-	931108 565	0.8-	0.4+
840925 071	(4.2+	1.2+)	931015 565	0.4+	0.4-	931108 565	(4.0+	1.0-)
840928 688	0.3+	0.5-	931019 589	0.1-	0.2+			

1993 TS₁₅ = 1984 SA₇

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	78.49346		(2000.0)	P	Q
<i>n</i>	0.22154703	ω	215.04492	+0.98729533	-0.15781352
<i>a</i>	2.7049470	Ω	154.01649	+0.15372694	+0.91919162
<i>e</i>	0.2020191	<i>i</i>	2.42212	+0.04019889	+0.36080695
<i>P</i>	4.45	<i>H</i>	14.9	<i>G</i>	0.15

Residuals in seconds of arc

840929 809	0.3-	0.0	840930 809	0.2+	0.0	931011 809	0.2-	0.6-
840929 809	0.1-	0.1+	931009 809	0.7+	0.7+	931011 809	1.1-	0.6-
840929 809	0.4+	0.2+	931009 809	0.0	0.5+	931020 809	0.4+	0.2-
840930 809	0.1-	0.3-	931009 809	0.3-	1.3+	931020 809	0.0	0.0
840930 809	0.0	0.2-	931011 809	0.7+	0.6-	931020 809	0.2-	0.4-

1993 TM₁₆ = 1988 XX₄ = 1989 YH₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	183.08611		(2000.0)	P	Q
<i>n</i>	0.17384494	ω	158.83539	-0.43123137	+0.90113328
<i>a</i>	3.1795184	Ω	85.59588	-0.83409608	-0.37928178
<i>e</i>	0.0884835	<i>i</i>	2.56971	-0.34398143	-0.21000986
<i>P</i>	5.67	<i>H</i>	12.2	<i>G</i>	0.15

Residuals in seconds of arc

881205 381	0.4-	0.7-	891231 413	0.3-	1.1-	931011 809	0.1-	1.3-
881206 381	0.6-	0.9+	891231 413	2.0+	0.4-	931011 809	0.6-	1.9-
881207 381	0.4+	0.7+	931009 809	0.1-	0.2-	931020 809	0.5+	1.2+
881208 381	0.1+	0.5+	931009 809	0.2-	0.5-	931020 809	0.8+	1.0+
891230 413	2.2-	0.2+	931009 809	1.6-	0.4-	931020 809	0.8+	1.3+
891230 413	0.2+	0.2+	931011 809	1.2+	0.4-			

1993 TQ₂₃ = 1978 EE = 1979 OO₄

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	10.91290		(2000.0)	P	Q
<i>n</i>	0.29485112	ω	12.69833	-0.45844007	-0.88815800
<i>a</i>	2.2356348	Ω	104.59555	+0.81249395	-0.43332556
<i>e</i>	0.0953337	<i>i</i>	1.88014	+0.36011982	-0.15298472
<i>P</i>	3.34	<i>H</i>	14.8	<i>G</i>	0.15

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Residuals in seconds of arc

780311 049	(3.8+ 2.8-)	790724 675	0.3- 0.5+	931011 809	0.2- 0.4-
780311 049	0.5+ 1.9+	790724 413	0.9- 1.3-	931011 809	0.9- 1.6-
780311 049	0.3+ 0.4-	790725 675	1.2+ 0.9+	931011 809	0.8- 1.3-
780311 049	0.3+ 1.0-	931009 809	0.3- 0.8+	931020 809	0.6+ 0.0
780312 049	0.2- 0.6-	931009 809	0.6+ 1.0+	931020 809	0.2+ 0.4+
780312 049	0.9- 0.2+	931009 809	0.5+ 1.4+	931020 809	0.3+ 0.1-

1993 TD₂₈ = 1992 MN

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	114.28893		(2000.0)	P	Q
<i>n</i>	0.18447539	ω	150.39494	+0.80970606	+0.58678777
<i>a</i>	3.0561670	Ω	173.66000	-0.55087253	+0.76442632
<i>e</i>	0.0596544	<i>i</i>	3.89293	-0.20227593	+0.26708146
<i>P</i>	5.34	<i>H</i>	13.6	<i>G</i>	0.15

Residuals in seconds of arc

920627 474	1.5- 0.6-	931009 809	0.5- 0.0	931020 809	0.2+ 0.3+
920627 474	1.6+ 1.2+	931009 809	0.0 0.2+	931020 809	0.5+ 0.1-
920628 474	0.3- 0.5+	931011 809	0.7+ 0.1+	931020 809	0.9- 0.1-
920628 474	0.3+ 1.2-	931011 809	0.0 0.5-		
931009 809	0.2- 0.5+	931011 809	0.1+ 0.5-		

1993 UM₈ = 1991 FW₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Kobayashi

<i>M</i>	33.65160		(2000.0)	P	Q
<i>n</i>	0.23643312	ω	258.83411	+0.09824773	-0.99483735
<i>a</i>	2.5901833	Ω	185.71393	+0.98328044	+0.10097799
<i>e</i>	0.1046474	<i>i</i>	14.79082	+0.15331978	-0.01010421
<i>P</i>	4.17	<i>H</i>	13.8	<i>G</i>	0.15

Residuals in seconds of arc

910320 809	0.9- 0.2+	910321 809	1.0+ 0.5-	931020 809	0.6+ 0.5-
910320 809	0.7- 0.4+	931010 809	0.4- 0.6-	931020 809	0.4- 0.7-
910320 809	0.3- 0.5+	931010 809	0.2+ 0.5+	931021 809	0.3+ 0.9+
910321 809	0.3+ 0.3-	931010 809	0.6+ 0.6+	931021 809	0.2- 0.2+
910321 809	0.6+ 0.2-	931020 809	0.2+ 0.9-	931021 809	0.9- 0.6+

1994 CF₁₆ = 1979 OS₆

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Ichikawa

<i>M</i>	61.17885		(2000.0)	P	Q
<i>n</i>	0.17603704	ω	10.03694	-0.62188464	-0.77311582
<i>a</i>	3.1530680	Ω	118.53047	+0.70828948	-0.62321871
<i>e</i>	0.0735952	<i>i</i>	8.16026	+0.33404417	-0.11785745
<i>P</i>	5.60	<i>H</i>	13.5	<i>G</i>	0.15

Residuals in seconds of arc

790724 675	1.2+ 0.7+	940208 809	0.5- 1.3-	940213 809	0.8+ 0.1-
790725 675	1.2- 0.7-	940210 809	0.5+ 0.9+	940213 809	0.6- 0.2-
940208 809	0.7+ 0.9-	940210 809	1.0+ 0.6+	940213 809	1.1- 0.4-
940208 809	0.3- 0.2-	940210 809	0.6- 1.5+		

1994 CA₁₇ = 1978 WT₁₃

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Ichikawa

<i>M</i>	56.90794		(2000.0)	P	Q
<i>n</i>	0.27348366	ω	55.47044	-0.90798750	-0.41632478
<i>a</i>	2.3506166	Ω	99.88629	+0.36699276	-0.84463009
<i>e</i>	0.0706982	<i>i</i>	2.74897	+0.20217570	-0.33656158
<i>P</i>	3.60	<i>H</i>	15.4	<i>G</i>	0.15

Residuals in seconds of arc

781129 675	0.8+ 0.7+	940208 809	0.1- 2.1-	940213 809	1.7+ 2.1+
781130 675	0.9- 0.6-	940210 809	0.2- 0.4-	940213 809	0.1+ 1.5+
940208 809	0.9+ 1.2-	940210 809	1.6- 1.2+	940213 809	0.2- 0.4+
940208 809	0.5+ 1.4-	940210 809	1.1- 0.1-		

1994 EH₇ = 1991 RJ₂₃

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Ichikawa

<i>M</i>	299.05355		(2000.0)	P	Q
<i>n</i>	0.22971414	ω	275.04518	+0.26658827	+0.96292797
<i>a</i>	2.6404477	Ω	10.69118	-0.77255305	+0.23907252
<i>e</i>	0.1663805	<i>i</i>	12.84292	-0.57627466	+0.12495621
<i>P</i>	4.29	<i>H</i>	13.5	<i>G</i>	0.15

Residuals in seconds of arc

910915 675	0.0 0.6+	940208 809	0.3+ 0.1+	940309 010	0.9- 0.9+
910915 675	0.3- 0.5+	940210 809	0.4+ 0.6-	940310 010	0.4+ 1.5-
910917 675	0.3+ 1.1-	940210 809	0.4- 0.1-	940310 010	0.4+ 1.4-
910917 675	0.1+ 0.2-	940210 809	0.6- 0.5-	940310 010	1.0+ 1.0-
940208 809	0.2+ 0.4+	940309 010	0.4- 1.8+		
940208 809	0.3+ 0.8+	940309 010	0.8- 1.0+		

1994 GA

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	95.10139		(2000.0)	P	Q
<i>n</i>	0.22681510	ω	217.93032	+0.08804784	-0.93044381
<i>a</i>	2.6628992	Ω	230.10409	+0.98907926	+0.12403191
<i>e</i>	0.1306190	<i>i</i>	27.62136	+0.11819389	-0.34480488
<i>P</i>	4.35	<i>H</i>	13.5	<i>G</i>	0.15

From 9 observations 1994 Apr. 1-June 18, mean residual 0''25.

1994 GY₉ = 1985 DL₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Ichikawa

<i>M</i>	113.84482		(2000.0)	P	Q
<i>n</i>	0.22201912	ω	261.15127	+0.25472222	-0.96682823
<i>a</i>	2.7011112	Ω	173.99015	+0.94308927	+0.24403622
<i>e</i>	0.2130439	<i>i</i>	10.43745	+0.21377375	+0.07542880
<i>P</i>	4.44	<i>H</i>	14.3	<i>G</i>	0.15

Residuals in seconds of arc

850224 675	1.0- 0.6+	850226 675	1.7- 0.1+	940403 033	0.2- 0.3+
850224 675	1.9+ 0.5-	850227 675	0.9+ 0.2-	940403 033	0.7+ 0.1-
850226 675 (8.9- 0.5+)		940403 033	0.8- 0.1-	940404 033	0.3+ 0.2-

1994 PP = 1982 BS₄

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

<i>M</i>	344.56662		(2000.0)	Williams		<i>P</i>	<i>Q</i>
<i>n</i>	0.21433077	ω	53.67207	+0.89044556	−0.26694456		
<i>a</i>	2.7653262	Ω	317.95049	−0.08209403	+0.70238756		
<i>e</i>	0.2957466	<i>i</i>	33.38748	+0.44762403	+0.65984265		
<i>P</i>	4.60	<i>H</i>	12.5	<i>G</i>	0.15		

Residuals in seconds of arc

820126 381	1.3−	0.8−	940813 657	2.3+	2.0+	940816 657	1.0+	0.3−
820126 381	1.7+	0.4+	940813 657	0.0	2.5+	940902 675	1.1+	0.0
820126 381	0.3+	0.1+	940815 670	0.2−	1.4+	940902 675	(3.6+	0.9−)
820128 381	0.5−	0.5+	940815 670	0.5−	0.3−	940904 675	0.2+	0.2+
940811 675	1.7−	2.4−	940815 670	0.2−	0.8−	940904 675	0.2−	0.1−
940811 675	(0.6−	3.1+)	940815 670	0.3−	0.4−			
940811 675	1.5−	2.5−	940816 657	0.2−	0.6+			

1994 PZ₁ = 1991 RY₂₇

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

<i>M</i>	205.82276		(2000.0)	Williams		<i>P</i>	<i>Q</i>
<i>n</i>	0.27685804	ω	213.07602	−0.40555223	−0.90797196		
<i>a</i>	2.3314778	Ω	261.04287	+0.86010905	−0.34002206		
<i>e</i>	0.0634352	<i>i</i>	6.12661	+0.30941851	−0.24489164		
<i>P</i>	3.56	<i>H</i>	13.5	<i>G</i>	0.15		

Residuals in seconds of arc

910914 675	0.1+	0.9−	910917 675	0.5+	1.4+	940806 033	0.5+	0.1−
910914 675	0.4+	0.5−	910917 675	0.9−	0.4−	940809 033	0.0	0.1+
910916 675	0.9−	0.8+	940804 033	0.7−	0.2−			
910916 675	0.8+	0.4−	940804 033	0.2+	0.2+			

1994 QC

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

<i>M</i>	68.51065		(2000.0)	Williams		<i>P</i>	<i>Q</i>
<i>n</i>	0.64678172	ω	94.05269	−0.22179783	+0.97246203		
<i>a</i>	1.3242324	Ω	162.62199	−0.96241790	−0.20652707		
<i>e</i>	0.1178980	<i>i</i>	13.86589	−0.15670833	−0.10800075		
<i>P</i>	1.52	<i>H</i>	19.0	<i>G</i>	0.15		

From 84 observations 1994 Aug. 28–Oct. 2, mean residual 0^{''}.61.**1994 QV = 1260 T-1**

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

<i>M</i>	350.45409		(2000.0)	Williams		<i>P</i>	<i>Q</i>
<i>n</i>	0.22906988	ω	6.33884	+0.99965335	−0.00962321		
<i>a</i>	2.6453962	Ω	354.04533	−0.00707442	+0.79840051		
<i>e</i>	0.2880941	<i>i</i>	13.66406	+0.02536019	+0.60204985		
<i>P</i>	4.30	<i>H</i>	13.0	<i>G</i>	0.15		

Residuals in seconds of arc

710324 675	0.7−	2.0−	940901 905	0.7−	1.3+	941001 399	0.3−	0.4+
710325 675	1.1−	1.1+	940901 905	1.0+	0.4+	941001 399	0.8−	0.5−
710325 675	1.1+	0.5+	940901 905	0.4+	0.2+	941001 905	1.2+	1.0−
710326 675	0.3−	0.7+	940907 905	1.0+	0.9−	941001 905	1.0+	1.1−
710402 675	0.7+	0.6−	940907 905	0.6+	0.2−	941002 399	0.4−	1.6+
940829 905	0.5−	0.3−	940910 905	0.5−	0.1−	941002 399	0.4−	1.1+
940829 905	1.4−	0.1+	940910 905	0.1−	1.0−			

1994 RH

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

<i>M</i>	324.63512		(2000.0)	Williams		<i>P</i>	<i>Q</i>
<i>n</i>	0.29268574	ω	91.81125	+0.42029011	−0.89425584		
<i>a</i>	2.2466479	Ω	331.70575	+0.64847836	+0.41459703		
<i>e</i>	0.4414659	<i>i</i>	18.93707	+0.63469051	+0.16856986		
<i>P</i>	3.37	<i>H</i>	16.0	<i>G</i>	0.15		

From 58 observations 1994 Sept. 2–Oct. 8, mean residual 0^{''}.65.**1994 RB₁ = 1990 VR₂**

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

<i>M</i>	306.88882		(2000.0)	Williams		<i>P</i>	<i>Q</i>
<i>n</i>	0.22087081	ω	187.33477	+0.66659122	−0.73900744		
<i>a</i>	2.7104652	Ω	220.93240	+0.69125451	+0.66182650		
<i>e</i>	0.0236974	<i>i</i>	8.56648	+0.27896836	+0.12591146		
<i>P</i>	4.46	<i>H</i>	13.5	<i>G</i>	0.15		

Residuals in seconds of arc

901111 372	1.0−	0.0	940911 596	0.6+	0.9+	940912 596	0.8−	0.9+
901113 372	1.0+	0.0	940911 596	0.4+	1.5−	940912 596	2.2−	0.5+
940909 596	1.4+	1.8+	940911 596	1.0−	0.8−	940928 596	0.4−	0.8−
940909 596	2.0+	0.5−	940911 596	(2.7−	0.7−)	940928 596	0.2+	0.1+
940909 596	0.6−	1.1−	940912 596	(2.7+	0.9+)	940928 596	0.4+	0.6+

1994 RC₁ = 1977 SB = 1983 UT

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

<i>M</i>	341.86997		(2000.0)	Williams		<i>P</i>	<i>Q</i>
<i>n</i>	0.17609995	ω	192.85299	+0.90315470	−0.42782594		
<i>a</i>	3.1523171	Ω	192.65804	+0.40690824	+0.87958235		
<i>e</i>	0.2228096	<i>i</i>	9.38384	+0.13688418	+0.20808617		
<i>P</i>	5.60	<i>H</i>	12.5	<i>G</i>	0.15		

Residuals in seconds of arc

770918 095	0.1−	0.3+	940901 400	1.1+	0.3−	941005 397	0.5+	1.1+
831030 675	0.7+	0.2−	940906 400	0.1−	0.7−	941005 397	0.5+	0.5+
831104 675	0.6−	0.0	940906 400	1.3−	0.1−			
940901 400	1.1−	0.5−	941005 397	0.3+	0.2−			

1994 RC₁₁ = 1978 TX₈ = 1983 RU₈ = 1989 UJ₆

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

<i>M</i>	341.87838		(2000.0)	Williams		<i>P</i>	<i>Q</i>
<i>n</i>	0.18170123	ω	335.62438	+0.89721366	−0.44135241		
<i>a</i>	3.0871955	Ω	50.57394	+0.40821444	+0.81624558		
<i>e</i>	0.1956652	<i>i</i>	1.08943	+0.16842985	+0.37276159		
<i>P</i>	5.42	<i>H</i>	13.0	<i>G</i>	0.15		

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

781009 095	(0.00+	0.06−)	940911 374	1.6+	0.1+	941002 374	1.1+	0.4+
781101 095	0.4−	1.5+	940913 374	0.6−	2.1−	941002 374	0.7−	0.3+
830911 095	0.5−	1.2+	941001 410	0.2+	0.3−	941006 374	0.8−	0.5+
891026 033	0.2−	0.2−	941001 410	0.3+	0.1−	941006 374	0.6−	0.0
891026 033	0.6+	0.3−	941001 410	0.0	0.4+	941006 374	0.5−	2.2−
891028 033	0.3−	0.6−	941002 374	0.8+	1.4+			

M.P.C. 24114

1994 OCT. 19

2582 P-L = 1992 EG₃₀

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	332.23941		(2000.0)		P		Q
<i>n</i>	0.26196572	ω	25.18825	+0.56137337			-0.82703608
<i>a</i>	2.4190215	Ω	30.68609	+0.74914633			+0.49270185
<i>e</i>	0.1525676	<i>i</i>	3.31576	+0.35162441			+0.27065883
<i>P</i>	3.76	<i>H</i>	16.5	<i>G</i>	0.15		

Residuals in seconds of arc

600924 675	0.3+	0.3-	600929 675	0.7+	0.2+	601026 675	0.7-	0.0
600926 675	0.1-	0.1-	601017 675	0.3-	0.1-	920303 809	0.8-	0.3-
600928 675	0.4-	0.0	601025 675	0.6+	0.1+	920307 809	0.8+	0.2+

4082 P-L = 1992 EV = 1993 RP₉

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Marsden

<i>M</i>	206.75938		(2000.0)		P		Q
<i>n</i>	0.26760581	ω	262.27887	-0.70106805			+0.71290507
<i>a</i>	2.3849120	Ω	323.19043	-0.64296708			-0.64191960
<i>e</i>	0.1631737	<i>i</i>	1.57137	-0.30837790			-0.28232178
<i>P</i>	3.68	<i>H</i>	14.0	<i>G</i>	0.15		

Residuals in seconds of arc

600925 675	0.6+	0.4-	601024 675	0.9-	0.1+	930914 809	1.3+	0.3+
600926 675	0.3+	0.1+	601025 675	0.2+	0.3+	930914 809	1.0+	0.4-
600928 675	0.4-	1.4-	601026 675	1.0-	0.1+	930914 809	0.2-	0.6-
601017 675	0.1-	0.6+	920307 399	0.9+	0.6-	930919 809	1.1-	0.6+
601017 675	0.2-	1.2+	920307 399	1.2+	0.9-	930919 809	1.1-	0.3+
601022 675	0.5+	0.0	920308 399	0.7-	0.7+	930919 809	(2.5-	0.0)
601022 675	1.1+	0.8-	920308 399	1.6-	0.6+			

4084 P-L = 1992 EQ₃₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	109.18807		(2000.0)		P		Q
<i>n</i>	0.23670542	ω	70.46759	+0.35740016			+0.93363123
<i>a</i>	2.5881965	Ω	220.49965	-0.87037914			+0.32346468
<i>e</i>	0.2098258	<i>i</i>	2.15765	-0.33868168			+0.15395885
<i>P</i>	4.16	<i>H</i>	14.5	<i>G</i>	0.15		

Residuals in seconds of arc

600924 675	0.1-	0.2+	600927 675	1.0+	0.8+	601026 675	0.5+	0.8-
600925 675	0.2-	0.5-	600928 675	0.1+	0.5-	920302 809	0.3+	1.4+
600925 675	0.2-	0.1-	600928 675	0.3-	1.0-	920305 809	0.6+	1.5-
600926 675	0.6-	0.2+	601017 675	0.5-	0.2-	920309 809	0.9-	0.1-
600926 675	0.4+	1.4+	601022 675	0.1+	0.6+			
600926 675	0.1+	1.2-	601024 675	0.1-	1.0+			

4586 P-L = 1992 ET₂₈

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Williams

<i>M</i>	265.12500		(2000.0)		P		Q
<i>n</i>	0.16995426	ω	334.59861	+0.76244827			-0.64667129
<i>a</i>	3.2278599	Ω	65.71069	+0.59771835			+0.69082146
<i>e</i>	0.1255505	<i>i</i>	1.39001	+0.24780115			+0.32339134
<i>P</i>	5.80	<i>H</i>	12.5	<i>G</i>	0.15		

Residuals in seconds of arc

600924 675	0.3-	0.2-	601022 675	0.2-	0.2+	920306 691	0.6-	0.8-
600926 675	0.3+	0.2-	601025 675	0.3+	0.4-	920308 809	0.7+	0.3+
600927 675	0.2+	0.4+	601026 675	0.3-	0.1-	920309 809	0.7+	0.4+

600928 675	0.2-	0.5+	920229 809	0.3+	0.5+	920406 809	0.1-	0.2-
600928 675	0.3+	0.7-	920303 809	0.6-	0.1+			
601017 675	0.1-	0.4+	920306 691	0.4-	0.5-			

4630 P-L = 1973 AR₄ = 1990 SW₁₈ = 1994 TU

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Nakano

<i>M</i>	333.62202		(2000.0)		P		Q
<i>n</i>	0.26170496	ω	33.13305	+0.71901413			-0.69470397
<i>a</i>	2.4206281	Ω	10.94200	+0.61237152			+0.61957423
<i>e</i>	0.1638208	<i>i</i>	6.08664	+0.32866366			+0.36539590
<i>P</i>	3.77	<i>H</i>	13.6	<i>G</i>	0.15		

Residuals in seconds of arc

600924 675	0.3-	0.3-	601022 675	0.6+	0.0	900916 675	1.2-	0.8+
600926 675	0.0	0.2+	601022 675	1.0+	1.9-	900916 675	0.4-	2.0+
600926 675	0.1+	0.3-	601024 675	0.3+	0.2-	941002 400	1.2+	0.8+
600927 675	0.7-	0.8+	601025 675	0.5+	1.4-	941002 400	1.9-	0.6-
600928 675	0.3+	0.5+	601026 675	0.0	1.1+	941003 400	0.1-	0.3+
601017 675	0.1-	1.4-	730103 095	0.8+	1.8+	941003 400	0.5+	0.6+

6132 P-L = 1993 RH₁₄

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Marsden

<i>M</i>	102.29339		(2000.0)		P		Q
<i>n</i>	0.26902391	ω	76.62034	+0.97865565			+0.20447449
<i>a</i>	2.3765236	Ω	271.57806	-0.19561665			+0.89619228
<i>e</i>	0.2369049	<i>i</i>	1.17934	-0.06298603			+0.39373797
<i>P</i>	3.66	<i>H</i>	16.5	<i>G</i>	0.15		

Residuals in seconds of arc

600924 675	0.2+	0.4-	930915 809	0.3-	0.9+	930917 809	0.7-	1.0+
600925 675	0.7+	0.3+	930915 809	1.3-	0.4+	930917 809	0.6+	0.3+
600926 675	0.6-	0.7-	930915 809	1.0-	0.8+	930923 809	0.0	1.8-
600928 675	0.0	0.6-	930916 809	(3.8+	0.3+)	930923 809	0.9+	1.3-
601017 675	0.3+	0.1-	930916 809	(2.6+	1.1-)	930923 809	(0.1+	2.6-)
601022 675	0.1+	0.1+	930916 809	1.5+	1.1-			
601026 675	0.6-	1.0+	930917 809	0.0	1.4+			

9085 P-L = 1993 RZ₁₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

Marsden

<i>M</i>	123.76358		(2000.0)		P		Q
<i>n</i>	0.29849963	ω	322.74001	+0.83822090			+0.54530646
<i>a</i>	2.2173803	Ω	4.22421	-0.48196132			+0.74520688
<i>e</i>	0.1968689	<i>i</i>	4.01375	-0.25514505			+0.38380668
<i>P</i>	3.30	<i>H</i>	16.5	<i>G</i>	0.15		

Residuals in seconds of arc

600927 675	0.5-	1.2+	601026 675	0.6-	0.1-	930914 691	0.4-	0.0
600928 675	0.4+	0.2-	930914 809	0.2-	1.2-	930914 691	0.1-	0.1-
601017 675	0.0	0.7-	930914 809	1.5-	1.3-	930919 809	(2.8+	1.2+)
601022 675	0.3+	0.2+	930914 809	(3.3-	1.4-)	930919 809	1.9+	0.6+
601024 675	0.2+	0.1-	930914 691	0.0	0.2+	930919 809	0.3+	1.3+

2144 T-1 = 1993 UV₆

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

<i>M</i>	246.28006		(2000.0)	P	Q	Kobayashi			
<i>n</i>	0.28662816	ω	73.99443	-0.56510407	+0.82424785				
<i>a</i>	2.2781911	Ω	161.46189	-0.79334985	-0.53103667				
<i>e</i>	0.0581822	<i>i</i>	6.44306	-0.22639215	-0.19650837				
<i>P</i>	3.44	<i>H</i>	14.9	<i>G</i>	0.15				

Residuals in seconds of arc

710324 675	0.3-	1.2-	710402 675	2.2+	2.2-	931020 809	0.1+	1.3+
710325 675	1.6-	1.8+	931010 809	0.2+	0.6-	931020 809	1.0-	0.3+
710325 675	0.6-	0.2+	931010 809	0.3+	0.6-	931021 809	0.2+	0.4-
710326 675	0.8+	0.5+	931010 809	0.7+	0.7-	931021 809	0.3-	0.4-
710327 675	0.6-	0.6+	931020 809	0.4+	1.6+	931021 809	0.5-	0.7-

3109 T-1 = 1991 TP₅

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

<i>M</i>	357.52035		(2000.0)	P	Q	Kobayashi			
<i>n</i>	0.26102285	ω	32.24547	+0.16049493	+0.98594903				
<i>a</i>	2.4248434	Ω	247.02627	-0.91593182	+0.13127848				
<i>e</i>	0.1332987	<i>i</i>	2.88402	-0.36784545	+0.10329796				
<i>P</i>	3.78	<i>H</i>	15.6	<i>G</i>	0.15				

Residuals in seconds of arc

710325 675	0.8+	0.4+	710327 675	1.4-	1.2+	911003 033	0.1-	0.7-
710326 675	1.0+	0.8-	710402 675	1.2-	0.5+	911004 033	0.3+	0.2-
710326 675	0.5-	0.9-	710402 675	1.3+	0.4-	911004 033	0.1-	0.9+

4078 T-1 = 1992 OY₅

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

<i>M</i>	187.59832		(2000.0)	P	Q	Kobayashi			
<i>n</i>	0.29627929	ω	220.16667	+0.97589991	-0.21496232				
<i>a</i>	2.2284447	Ω	152.17880	+0.21511235	+0.91871659				
<i>e</i>	0.1801860	<i>i</i>	4.61572	+0.03668852	+0.33128693				
<i>P</i>	3.33	<i>H</i>	15.7	<i>G</i>	0.15				

Residuals in seconds of arc

710326 675	1.8-	0.7+	920726 809	0.5+	0.5-	920730 809	0.2+	0.1+
710326 675	1.1+	1.0+	920726 809	0.4-	0.0	920731 809	0.1+	0.5+
710327 675	0.9-	1.0-	920730 809	0.3+	0.0	920731 809	0.7+	0.4-
710402 675	1.6+	0.7-	920730 809	0.1-	0.6+	920731 809	1.3-	0.4-

4409 T-1 = 1976 UX₁₇

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

<i>M</i>	293.33741		(2000.0)	P	Q	Kobayashi			
<i>n</i>	0.28048534	ω	349.95049	-0.65750717	-0.75161273				
<i>a</i>	2.3113334	Ω	141.13029	+0.69695880	-0.63323131				
<i>e</i>	0.0500994	<i>i</i>	4.80444	+0.28623897	-0.18465211				
<i>P</i>	3.51	<i>H</i>	15.1	<i>G</i>	0.15				

Residuals in seconds of arc

710324 675	1.2+	0.1-	710327 675	2.1-	1.5-	761022 381	0.3+	0.2+
710326 675	0.6+	0.2+	710402 675	0.6+	0.3+	761024 381	0.1+	0.4+
710326 675	0.4-	1.1+	761022 381	0.5-	0.6-			

4825 T-1 = 1986 TH₁₅ = 1991 AX₂

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

<i>M</i>	94.35174		(2000.0)	P	Q	Kobayashi			
<i>n</i>	0.28874429	ω	275.29130	+0.79691369	-0.60227954				
<i>a</i>	2.2670466	Ω	121.75055	+0.57374915	+0.73037980				
<i>e</i>	0.1593760	<i>i</i>	3.15328	+0.18905155	+0.32218738				
<i>P</i>	3.41	<i>H</i>	14.4	<i>G</i>	0.15				

Residuals in seconds of arc

710416 675	0.3+	1.0-	710516 675	0.5+	1.0+	910115 033	0.3-	0.0
710416 675	0.2+	1.0+	861006 095	0.4-	1.0-	910115 033	0.4+	0.2-
710513 675	0.2+	0.2-	861010 095	0.3+	1.3+	910115 033	0.0	0.4-
710514 675	1.1-	0.3-	910115 033	0.4-	0.1-	910116 033	0.2+	0.7+

1231 T-2 = 1993 RC₁₀

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

<i>M</i>	13.81635		(2000.0)	P	Q	Marsden			
<i>n</i>	0.19613159	ω	44.59251	+0.59025580	-0.80719897				
<i>a</i>	2.9338485	Ω	9.23666	+0.73111139	+0.53182047				
<i>e</i>	0.0516067	<i>i</i>	1.88615	+0.34216111	+0.25611874				
<i>P</i>	5.03	<i>H</i>	14.0	<i>G</i>	0.15				

Residuals in seconds of arc

730919 675	0.4-	0.6+	730929 675	1.1+	0.2-	930914 809	0.3+	1.0+
730919 675	0.5+	0.2-	730930 675	0.7-	0.2-	930914 809	0.2-	0.3+
730920 675	0.6+	0.6+	730930 675	0.5-	0.4-	930914 691	1.5-	2.0-
730924 675	0.8+	0.2+	731004 675	0.1-	0.8+	930914 691	1.8-	1.8-
730924 675	0.6+	0.7+	731004 675	0.9-	0.4-	930914 691	(1.5-	2.4-)
730925 675	1.0-	1.8-	731005 675	0.1-	0.3-	930919 809	1.5+	0.4+
730925 675	1.0-	1.2+	731005 675	0.5+	1.0-	930919 809	0.6-	0.2-
730929 675	0.3+	0.6+	930914 809	1.9+	1.6+	930919 809	0.4+	0.5+

2110 T-3 = 1993 RB₁₄

Epoch 1994 Sept. 5.0 TT = JDT 2449600.5

<i>M</i>	184.07139		(2000.0)	P	Q	Marsden			
<i>n</i>	0.24402205	ω	252.32490	-0.38227302	+0.92394715				
<i>a</i>	2.5361990	Ω	355.13428	-0.77444644	-0.32846393				
<i>e</i>	0.1464181	<i>i</i>	9.32774	-0.50408338	-0.19604365				
<i>P</i>	4.04	<i>H</i>	14.5	<i>G</i>	0.15				

Residuals in seconds of arc

771007 675	0.1+	0.4+	771021 675	(2.6+	0.4-)	930916 809	1.7-	0.2+
771011 675	0.3-	0.6+	771021 675	0.9+	0.3-	930917 809	(2.5+	0.3-)
771011 675	0.3-	0.1+	930915 809	(2.9+	1.3-)	930917 809	2.0+	0.2+
771012 675	0.9-	1.2+	930915 809	0.4+	1.1-	930917 809	1.6+	0.3-
771012 675	1.0-	1.7+	930915 809	0.1-	1.5-	930923 809	0.1-	1.6+
771016 675	1.1+	1.8-	930916 809	0.6-	0.2+	930923 809	0.1-	0.1+
771016 675	0.3+	1.8-	930916 809	1.7-	0.4-	930923 809	0.3+	1.0+

Object	<i>H</i>	Epoch	<i>M</i>	ω	Ω	<i>i</i>	<i>e</i>
1932 CP	13.5	940905	141.64561	194.32966	22.07382	7.56931	0.0938735
1951 WH	13.5	940905	323.47684	337.22349	48.40582	5.33817	0.1755780

<i>a</i>	Obs.	Opp.	Arc	rms	Computer	<i>MPC</i>	Object
2.2480622	20	3	1932-1994	0.74	Williams	23990	1932 CP
2.2298373	19	6	1951-1994	0.68	Williams	22491	1951 WH

1971 BD ₃	13.0	940905	333.18257	171.65348	249.26935	3.75141	0.1498007	2.5613946	26	5	1971–1994	0.98	Williams	21963	1971 BD ₃
1971 RA	14.0	940905	37.73235	233.08457	86.77240	4.84158	0.1957110	2.2027175	13	4	1971–1994	0.87	Williams	22072	1971 RA
1971 TF	13.0	940905	4.48250	35.91073	348.93077	2.10596	0.1783779	2.4355301	27	6	1971–1994	0.66	Williams	23787	1971 TF
1971 TY ₂	12.0	940905	289.43140	181.22670	280.70919	8.96640	0.2306307	2.7865316	22	4	1971–1994	0.68	Williams	22967	1971 TY ₂
1971 UN	13.5	940905	23.40812	294.75897	37.52647	7.69762	0.2372917	2.4529593	18	3	1971–1994	0.59	Williams	23868	1971 UN
1971 UD ₁	14.5	940905	353.92908	278.21771	99.63457	1.57716	0.1293996	2.2124350	15	5	1971–1994	0.68	Williams	22429	1971 UD ₁
1973 RF	12.5	940905	14.05137	1.06335	6.10496	15.83232	0.1408223	2.5838993	24	4	1973–1994	1.04	Williams	21963	1973 RF
1975 RA ₂	12.5	940905	18.48164	314.43173	25.69018	23.67053	0.2247515	2.4234475	16	4	1955–1994	0.37	Williams	22947	1975 RA ₂
1975 SJ	12.6	940905	13.67450	27.91294	30.75901	3.77825	0.1030653	2.7537111	14	6	1955–1991	0.72	Bowell	22823	1975 SJ
1975 SX	13.5	940905	62.31011	158.25599	201.32893	1.51451	0.1445086	3.3138409	16	2	1975–1993	0.88	Williams	23968	1975 SX
1975 VN ₅	13.5	940905	255.84248	253.33047	124.90356	7.11022	0.2454772	2.5429465	13	3	1955–1991	0.45	Bowell	20138	1975 VN ₅
1976 YA	12.5	940905	288.86109	195.46209	241.58508	15.41284	0.1929158	2.7793576	21	3	1976–1994	0.79	Williams	21964	1976 YA
1977 DF ₂	13.5	940905	316.56162	118.12197	5.07665	5.08452	0.0427427	2.7660926	13	3	1977–1993	0.87	Williams	23120	1977 DF ₂
1977 DX ₃	12.5	940905	311.05684	179.06500	89.93167	2.31564	0.1586025	3.1480278	19	6	1977–1994	0.76	Williams	23968	1977 DX ₃
1977 FT	14.5	940905	10.06927	146.23346	214.65035	20.30668	0.1026600	1.9272115	22	5	1977–1994	0.76	Williams	21964	1977 FT
1977 RF ₂	14.0	940905	41.32006	318.65688	353.10071	4.82465	0.1930349	2.2456243	15	5	1930–1994	0.83	Williams	22823	1977 RF ₂
1977 RL ₇	13.5	940905	314.08933	195.05600	194.05259	13.32563	0.2419706	2.6621054	28	3	1977–1994	0.98	Williams	23990	1977 RL ₇
1977 VL ₁	13.5	940905	4.28605	328.02788	50.23362	5.79729	0.2305531	2.6090412	27	4	1970–1994	0.92	Williams	21098	1977 VL ₁
1978 EU ₉	11.9	940905	56.90315	78.13929	157.22405	2.43493	0.0050497	2.9037781	12	4	1978–1994	0.71	Bowell	23535	1978 EU ₉
1978 EN ₁₀	13.7	940905	144.78796	230.53854	350.68055	6.39410	0.0502396	2.3704243	20	3	1978–1994	0.65	Bowell	21964	1978 EN ₁₀
1978 SP ₄	12.0	940905	316.82281	78.57787	18.58387	10.86104	0.0866241	2.9946882	26	5	1978–1994	0.80	Williams	22429	1978 SP ₄
1978 TO ₈	12.5	940905	357.83030	164.04224	214.50770	0.87543	0.1972369	3.0621615	26	5	1978–1994	0.73	Williams	22073	1978 TO ₈
1978 VG ₈	15.0	940905	353.13199	284.94917	62.48739	4.25443	0.2728224	2.5660348	21	6	1949–1994	0.69	Williams	22598	1978 VG ₈
1979 MX ₆	13.5	940905	89.47201	1.87984	254.14031	6.39333	0.0877052	2.3676793	23	4	1979–1994	0.81	Williams	23990	1979 MX ₆
1979 QR ₁	14.0	940905	93.64812	257.75131	347.60893	1.56488	0.0685107	2.8953459	21	3	1979–1994	0.52	Williams	23969	1979 QR ₁
1979 QC ₂	12.5	940905	271.32430	255.66077	161.26499	2.37500	0.1027331	2.9469350	23	6	1955–1992	0.69	Bowell	23787	1979 QC ₂
1979 QB ₁₀	14.0	940905	33.07819	340.93906	347.57838	1.63723	0.2007514	2.3981210	13	4	1979–1994	0.67	Williams	22491	1979 QB ₁₀
1979 WX ₃	13.5	940905	348.65848	267.19906	124.66911	1.93118	0.1778036	2.4345360	30	5	1979–1994	0.60	Williams	23787	1979 WX ₃
1980 FJ ₁	12.0	940905	17.61484	344.64506	352.65506	16.67460	0.1465760	3.2305228	49	4	1976–1994	0.82	Williams	23990	1980 FJ ₁
1980 GL	14.0	940905	96.14247	217.14127	15.42883	11.82384	0.1334410	2.6489920	24	4	1951–1994	0.69	Williams	23990	1980 GL
1980 RD ₁	12.5	940905	9.38735	76.10977	294.84410	3.85305	0.1206428	2.7361292	18	5	1949–1994	0.85	Williams	17956	1980 RD ₁
1981 DE	13.5	940905	305.74447	190.51527	244.42034	5.48681	0.0765557	2.3858494	37	4	1972–1994	0.60	Williams	22074	1981 DE
1981 EQ	13.1	940905	90.94467	226.32386	12.45531	10.78266	0.1514030	3.1873556	28	4	1981–1994	0.71	Bowell	23787	1981 EQ
1981 EB ₁	12.5	940905	104.76217	86.82087	134.28625	2.55548	0.0781220	3.1577841	30	6	1979–1994	0.80	Bowell	23787	1981 EB ₁
1981 EX ₄	12.5	940905	32.12237	116.98264	208.05454	20.04296	0.1323467	3.1015404	36	4	1981–1994	0.90	Williams	22429	1981 EX ₄
1981 ES ₈	12.5	940905	10.66351	162.07112	207.38502	9.65720	0.1085593	3.0154420	32	6	1981–1994	0.70	Williams	22429	1981 ES ₈
1981 EO ₉	12.6	940905	328.37976	18.34803	324.35452	10.62288	0.1555368	3.2050754	24	5	1949–1994	0.83	Bowell	22968	1981 EO ₉
1981 EY ₁₀	14.5	940905	0.88298	171.16333	210.18152	3.09074	0.1081182	2.4183473	23	3	1981–1994	0.92	Williams	22074	1981 EY ₁₀
1981 EL ₂₄	13.5	940905	29.69258	85.67691	314.61094	1.14482	0.0625987	2.9116123	36	5	1977–1993	1.12	Marsden	22697	1981 EL ₂₄
1981 EX ₂₆	15.0	940905	136.85360	79.08226	199.31163	2.98168	0.2501068	2.4237822	24	2	1981–1993	0.77	Williams	22588	1981 EX ₂₆
1981 EL ₃₄	14.1	940905	339.70417	101.92182	237.55771	1.14818	0.1611044	3.1716697	18	5	1972–1994	0.76	Bowell	22271	1981 EL ₃₄
1981 EB ₃₉	16.5	940905	168.63442	77.82074	182.62021	8.80744	0.2194381	2.3938894	19	3	1981–1993	1.26	Williams	23857	1981 EB ₃₉
1981 ER ₄₃	14.0	940905	48.57262	98.84575	280.18857	0.92589	0.0973912	2.9165966	24	6	1978–1993	1.08	Marsden	22430	1981 ER ₄₃
1981 GP	13.5	940905	302.51036	103.06574	12.24076	22.56430	0.3178357	2.3536418	28	5	1981–1994	0.92	Williams	21968	1981 GP
1981 RQ ₁	13.1	940905	223.96332	194.94834	154.39135	2.53898	0.0945870	2.9017873	36	5	1955–1991	0.86	Bowell	22074	1981 RQ ₁
1981 UT	13.0	940905	317.02215	43.09541	353.36929	3.04215	0.1001939	2.2158362	27	5	1981–1994	0.80	Williams	22599	1981 UT
1981 UD ₂	13.0	940905	337.29368	163.65402	230.01566	12.43185	0.1544118	2.6880701	15	3	1981–1994	0.74	Williams	22271	1981 UD ₂
1981 UK ₂₂	14.1	940905	196.17197	142.90736	207.07096	11.01403	0.2112685	2.4037816	19	4	1981–1994	0.64	Bowell	23336	1981 UK ₂₂
1981 VS	12.6	940905	270.61812	204.52559	206.92878	8.92673	0.2898362	2.7754693	29	6	1972–1994	0.89	Bowell	22968	1981 VS
1982 US ₆	13.5	940905	1.14871	323.61342	46.77194	8.06436	0.1573603	2.5356225	22	5	1982–1994	0.97	Williams	23990	1982 US ₆
1982 UE ₁₂	13.0	940905	317.92559	87.43307	328.70736	9.79815	0.0228544	2.5174814	46	5	1982–1994	0.66	Williams	20330	1982 UE ₁₂
1983 CY ₂	11.8	940905	155.95304	115.00104	326.53636	9.17284	0.0602452	2.9976322	24	4	1955–1993	0.72	Bowell	22075	1983 CY ₂

1983 CO ₃	12.8	940905	34.96619	224.16977	283.09851	14.11801	0.1603148	3.0929481	20	4	1972–1994	0.82	Bowell	15708	1983 CO ₃
1983 OD	13.9	940905	0.87445	215.36765	132.01877	13.80333	0.2311219	2.3644163	37	4	1983–1994	0.67	Bowell	21933	1983 OD
1983 RT ₁	14.6	940905	7.39859	321.52123	0.33887	6.27923	0.1400051	2.3898077	14	5	1950–1994	0.73	Bowell	22484	1983 RT ₁
1983 RR ₂	13.2	940905	35.98563	290.00274	9.95193	7.21213	0.1152872	2.3695527	16	6	1954–1994	0.66	Bowell	23970	1983 RR ₂
1983 RT ₄	13.2	940905	185.63772	152.61816	201.69271	9.91440	0.1500088	2.6548828	20	6	1979–1994	0.53	Bowell	21969	1983 RT ₄
1983 TR ₂	12.0	940905	45.48361	301.94244	21.98536	14.69672	0.2149414	3.0600181	18	5	1930–1994	1.10	Williams	21969	1983 TR ₂
1983 XG	12.0	940905	5.65707	162.13944	208.99897	4.84064	0.1579680	3.1833596	23	4	1983–1994	0.82	Williams	22492	1983 XG
1983 XW	12.5	940905	340.02530	10.12028	35.26646	0.40825	0.2058181	3.1940802	41	6	1953–1994	0.81	Williams	22968	1983 XW
1984 AR	12.5	940905	327.74920	88.35986	25.26115	1.10697	0.1382736	3.1330235	44	11	1954–1993	0.83	Williams	22968	1984 AR
1984 SB ₁	14.0	940905	40.59510	330.20626	351.97536	5.98153	0.1862633	2.2115200	12	3	1984–1994	0.81	Williams	23970	1984 SB ₁
1984 SJ ₇	14.0	940905	344.67343	68.44401	300.13377	7.62430	0.1240241	2.2420379	20	3	1984–1994	0.82	Williams	23990	1984 SJ ₇
1985 GS	11.6	940905	308.04097	26.72003	125.81770	15.65130	0.1286730	3.0728004	26	5	1954–1993	0.83	Bowell	22809	1985 GS
1985 TA ₂	11.9	940905	223.04926	102.97939	304.75379	8.98436	0.0966538	3.0264566	19	6	1954–1994	0.90	Bowell	22824	1985 TA ₂
1986 CE ₂	14.0	940905	234.35182	138.89845	1.34147	5.68405	0.0755785	2.2034411	38	5	1978–1994	0.95	Williams	22077	1986 CE ₂
1986 JK	19.0	940905	269.50142	232.56051	62.71713	2.14123	0.6806260	2.7959116	54	1	179 days	0.89	Williams	11147	1986 JK
1986 PX ₄	13.5	940905	24.93526	313.17919	28.74486	1.15821	0.2125604	2.4434584	28	5	1986–1994	0.94	Williams	23990	1986 PX ₄
1986 RW	13.0	940905	5.10711	93.87479	303.81846	7.57312	0.2394878	2.4297629	31	5	1954–1994	0.85	Williams	23683	1986 RW
1986 SZ ₁	11.0	940905	238.65282	198.05493	257.12215	12.58193	0.1514462	2.5791048	17	5	1941–1994	0.92	Williams	23990	1986 SZ ₁
1986 TC	14.2	940905	101.02924	358.19395	349.86985	5.64418	0.1529948	2.3197607	23	3	1954–1993	0.72	Bowell	23348	1986 TC
1986 UY	14.5	940905	125.96593	44.95962	352.33021	4.97666	0.1652229	2.2417113	22	4	1986–1994	0.79	Williams	23132	1986 UY
1986 XT	14.0	940905	352.58301	18.09381	355.17315	3.30568	0.2952037	2.5610647	25	3	1986–1994	0.75	Williams	21970	1986 XT
1986 XF ₁	14.0	940905	72.87475	94.05645	287.60034	2.54353	0.1952805	2.3731441	27	6	1955–1993	0.77	Williams	23536	1986 XF ₁
1987 DH ₆	13.5	940905	174.41421	343.75541	264.11386	1.39486	0.1046102	2.6961940	53	5	1953–1993	0.69	Marsden	22484	1987 DH ₆
1987 QH ₃	14.5	940905	327.59189	38.95838	356.22536	6.30894	0.1404435	2.2840211	23	4	1984–1994	0.88	Williams	23990	1987 QH ₃
1987 SG ₃	14.3	940905	7.53894	120.93955	187.46474	22.24938	0.3181359	2.3398491	23	3	1951–1994	0.62	Bowell	23868	1987 SG ₃
1987 SV ₃	14.0	940905	2.19389	331.99986	3.90053	9.22106	0.1601175	2.3218184	29	3	1980–1994	0.79	Williams	22078	1987 SV ₃
1987 SF ₇	14.0	940905	335.23628	116.02929	274.96697	19.66362	0.2899957	2.3056578	29	4	1987–1994	0.83	Williams	23990	1987 SF ₇
1987 SX ₁₇	13.5	940905	353.45906	94.26410	240.94513	3.53604	0.2487408	2.3602198	7	4	1976–1994	0.91	Williams	15415	1987 SX ₁₇
1987 UT	14.5	940905	350.08928	49.09772	296.26258	4.12851	0.2402746	2.3323579	11	2	1987–1994	0.45	Williams	23971	1987 UT
1987 UQ ₃	13.5	940905	15.63393	257.91466	82.04709	6.30069	0.1231435	2.3212442	22	6	1979–1994	0.67	Williams	22493	1987 UQ ₃
1987 VQ	14.5	940905	273.39885	261.45929	191.52754	1.61032	0.1755187	2.3817346	21	3	1987–1994	0.68	Williams	23990	1987 VQ
1987 WF	13.1	940905	310.41962	64.09495	41.81971	7.24811	0.0887442	2.2597786	30	5	1955–1994	0.47	Bowell	23991	1987 WF
1987 YD	13.0	940905	309.42788	42.33809	63.62166	8.77501	0.1715165	2.3416169	30	4	1954–1994	0.86	Williams	23683	1987 YD
1988 AX ₄	13.0	940905	359.64334	169.63359	176.53619	6.14634	0.1478838	2.4346513	30	3	1988–1994	0.39	Williams	23972	1988 AX ₄
1988 BX	13.0	940905	280.43995	119.26613	290.97657	19.00118	0.0677856	1.8694802	49	3	1988–1994	0.51	Williams	23868	1988 BX
1988 BO ₄	11.4	940905	338.71796	347.61136	278.28478	9.31207	0.0686821	3.0184679	26	4	1955–1993	0.56	Bowell	22079	1988 BO ₄
1988 CC ₂	13.0	940905	347.25028	86.53511	315.65201	4.20893	0.1855967	2.3789046	33	6	1966–1994	0.73	Williams	23789	1988 CC ₂
1988 CN ₄	13.5	940905	244.94623	253.31404	219.48190	5.45079	0.1678233	2.5538898	18	4	1988–1994	0.49	Williams	21971	1988 CN ₄
1988 CT ₅	12.5	940905	30.87179	1.21216	319.74941	13.28931	0.1733010	2.5798316	30	5	1973–1994	0.94	Williams	21971	1988 CT ₅
1988 CF ₇	13.0	940905	327.45897	135.14389	231.09345	7.99212	0.2008788	2.6176643	28	3	1988–1994	0.73	Williams	23868	1988 CF ₇
1988 DF ₂	13.5	940905	214.55405	93.67569	350.96599	2.95872	0.0658337	2.6776689	18	3	1971–1993	0.70	Williams	23972	1988 DF ₂
1988 FW ₂	14.0	940905	335.52603	288.20573	201.61875	6.11726	0.0653134	2.3309343	19	2	1988–1993	1.03	Williams	22951	1988 FW ₂
1988 PH ₄	17.0	940905	153.93163	160.82625	180.83244	9.30135	0.4416170	2.5976915	8	1	75 days	0.61	Williams	18429	1988 PH ₄
1988 QW	14.2	940905	237.06172	87.01729	305.74364	2.82533	0.2090148	2.2552593	34	7	1954–1994	0.78	Bowell	23683	1988 QW
1988 RD ₅	12.5	940905	354.17093	330.00501	53.22766	1.93929	0.1764100	3.1381449	39	8	1954–1994	0.89	Williams	23133	1988 RD ₅
1988 SW ₂	12.5	940905	29.99026	287.43750	55.85226	2.16596	0.1709839	3.1729043	16	4	1979–1994	0.70	Williams	21972	1988 SW ₂
1988 XC	13.5	940905	22.40229	58.31990	12.28726	3.86062	0.2854980	3.0848075	22	4	1973–1993	1.13	Williams	22698	1988 XC
1989 BG	13.0	940905	110.36585	279.14210	330.51922	7.57098	0.0643165	2.2891966	22	4	1987–1994	0.94	Williams	23789	1989 BG
1989 CD ₈	11.9	940905	134.90507	131.61009	263.29404	9.33343	0.1109573	3.0114132	24	4	1982–1994	0.54	Bowell	23123	1989 CD ₈
1989 EY ₂	13.5	940905	37.28782	68.13868	245.60791	5.94428	0.1345591	2.3044931	24	6	1973–1994	0.91	Williams	23537	1989 EY ₂
1989 GJ	12.5	940905	27.75411	139.95485	142.06466	14.04833	0.1757398	2.6769304	20	3	1981–1994	0.53	Williams	23868	1989 GJ
1989 GG ₄	13.0	940905	191.28662	299.18201	211.93760	5.87787	0.0662478	2.4291276	21	4	1970–1994	0.73	Williams	22402	1989 GG ₄

1989 HG	13.0	940905	145.10296	345.39558	191.68616	14.73233	0.1212993	2.5634743	20	3	1989–1994	0.73	Williams	23868	1989 HG
1989 RW	12.5	940905	68.81139	47.12283	214.87424	9.67783	0.1277901	2.8738022	24	5	1980–1994	0.76	Williams	23991	1989 RW
1989 SD ₁	13.0	940905	292.01402	343.87601	101.69026	3.49306	0.0350792	2.9025572	28	3	1989–1994	0.90	Williams	22969	1989 SD ₁
1989 TG	12.0	940905	324.31758	52.54950	331.54411	9.13741	0.1117524	3.0008144	25	3	1981–1994	0.73	Williams	23973	1989 TG
1989 TT	14.0	940905	61.32791	221.28431	173.47295	16.95570	0.2810539	2.5950324	18	2	1989–1993	0.97	Williams	22686	1989 TT
1989 TT ₁₁	12.5	940905	354.69268	176.76955	202.59195	1.54472	0.0763713	2.8919185	15	5	1974–1994	0.72	Williams	22081	1989 TT ₁₁
1989 TA ₁₆	15.0	940905	114.20603	71.78891	233.18379	2.29175	0.1636021	2.5874831	21	4	1981–1993	0.63	Williams	22699	1989 TA ₁₆
1989 WU ₂	13.0	940905	329.87723	320.72312	84.02948	3.00861	0.1911110	3.0933486	24	5	1978–1994	0.69	Williams	23991	1989 WU ₂
1990 HO ₃	13.5	940905	136.78855	353.28352	70.29374	2.63526	0.1573834	3.1039708	16	5	1977–1994	0.41	Williams	23973	1990 HO ₃
1990 KM	13.0	940905	61.15650	46.25300	210.01525	19.45632	0.0790412	2.3436296	23	3	1972–1994	0.63	Williams	23869	1990 KM
1990 KB ₁	12.5	940905	57.32273	168.44442	122.44339	10.31659	0.2657098	2.2926211	19	4	1976–1994	0.57	Williams	22272	1990 KB ₁
1990 OE ₂	12.6	940905	333.01515	232.69489	117.95081	14.56317	0.1360618	2.5542222	39	7	1980–1994	0.74	Bowell	23869	1990 OE ₂
1990 OO ₂	12.3	940905	346.03662	353.38387	330.38663	15.07631	0.1383879	2.6016047	21	6	1975–1994	0.81	Bowell	22272	1990 OO ₂
1990 OT ₄	14.1	940905	358.83814	126.01880	153.88505	11.91055	0.1692715	2.6630754	24	3	1990–1994	0.40	Bowell	23684	1990 OT ₄
1990 QM	13.5	940905	58.53847	125.34229	160.59042	2.83319	0.1797578	2.4276245	25	4	1979–1994	0.99	Williams	23537	1990 QM
1990 QC ₁	12.5	940905	87.21625	303.84831	307.56765	8.57589	0.2166581	2.3987045	27	5	1949–1994	0.88	Williams	22272	1990 QC ₁
1990 QH ₁	13.5	940905	49.44111	342.66928	345.13516	5.65466	0.0816442	2.3672984	37	4	1981–1994	0.89	Williams	21974	1990 QH ₁
1990 QA ₂	13.8	940905	256.85402	114.83483	320.54213	1.59143	0.0625836	2.6307868	20	5	1976–1994	0.65	Bowell	22082	1990 QA ₂
1990 QS ₂	12.7	940905	138.34775	3.71998	143.46014	2.64232	0.0134088	2.9002486	26	6	1983–1994	0.68	Bowell	22272	1990 QS ₂
1990 QL ₃	14.1	940905	44.82075	325.60571	349.14759	5.66404	0.1448331	2.4290217	23	4	1978–1994	0.67	Bowell	22272	1990 QL ₃
1990 QT ₄	13.2	940905	290.71007	48.35706	1.76316	15.22288	0.0964476	2.5729945	15	4	1986–1994	0.42	Bowell	22403	1990 QT ₄
1990 RE ₂	14.0	940905	348.50118	193.31450	195.30054	3.53817	0.1978419	2.4579403	21	4	1986–1994	0.93	Williams	23991	1990 RE ₂
1990 RW ₃	13.5	940905	36.97490	294.41946	39.91780	1.90468	0.1914954	2.4077924	23	5	1979–1994	0.72	Williams	22273	1990 RW ₃
1990 RE ₅	12.2	940905	47.52128	246.85184	333.30837	12.66047	0.1078072	2.9758465	17	3	1955–1993	0.75	Bowell	22273	1990 RE ₅
1990 SH ₁	13.2	940905	304.93831	176.96990	207.12041	9.04267	0.2869890	2.7332254	25	6	1904–1994	0.75	Bowell	23789	1990 SH ₁
1990 SG ₈	13.5	940905	302.76692	23.52084	91.26400	3.44865	0.1829375	2.3414243	15	3	1981–1992	0.71	Williams	23974	1990 SG ₈
1990 SU ₁₀	12.6	940905	254.92464	126.81696	288.68953	3.28679	0.0610057	2.7892467	23	6	1981–1994	0.71	Bowell	22273	1990 SU ₁₀
1990 SF ₁₁	13.5	940905	253.88819	161.39945	309.26586	1.88293	0.0269598	2.4554009	14	4	1986–1994	0.86	Bowell	21108	1990 SF ₁₁
1990 TN	13.0	940905	314.73105	63.67625	38.58973	9.47415	0.0973099	2.3793071	22	6	1974–1994	0.93	Williams	22699	1990 TN
1990 TK ₃	12.5	940905	338.46943	1.78078	32.58357	17.09227	0.1744273	2.5821129	24	3	1990–1994	0.81	Williams	22431	1990 TK ₃
1990 TM ₇	12.5	940905	37.09270	287.62784	29.81315	6.55576	0.2132541	2.5534472	21	5	1973–1994	0.54	Williams	23974	1990 TM ₇
1990 TE ₈	13.0	940905	212.04100	92.91372	58.95099	3.03865	0.0769296	2.6772454	7	2	1990–1992	0.47	Williams	23975	1990 TE ₈
1990 TR ₁₂	12.5	940905	348.19085	83.77801	240.46394	9.47766	0.0984565	2.9882894	30	3	1985–1994	0.78	Williams	23869	1990 TR ₁₂
1990 UJ ₂	13.5	940905	354.39045	224.25192	133.36893	4.79605	0.2186050	2.6509877	21	4	1981–1994	1.10	Williams	23991	1990 UJ ₂
1990 UG ₃	13.5	940905	323.83797	359.52806	58.39990	6.48052	0.3165012	2.5962157	24	4	1969–1994	0.86	Williams	18634	1990 UG ₃
1990 VS ₂	13.3	940905	167.24511	111.40791	130.60715	6.13928	0.0105036	2.4815434	26	4	1954–1993	0.94	Bowell	22494	1990 VS ₂
1990 VY ₂	12.5	940905	32.50592	339.54685	4.22021	4.09625	0.1795892	2.5279535	16	4	1990–1994	0.71	Williams	23789	1990 VY ₂
1990 VJ ₃	12.0	940905	251.57889	165.08441	264.79624	8.74100	0.0791373	3.0062921	14	3	1979–1994	0.85	Williams	23975	1990 VJ ₃
1990 WB ₃	12.5	940905	325.39715	313.51603	74.54962	5.60734	0.0931475	2.7489035	26	4	1990–1994	0.80	Williams	23991	1990 WB ₃
1990 WJ ₃	14.0	940905	252.88283	11.55827	195.63373	4.08593	0.0833644	2.2663392	33	4	1985–1993	0.84	Williams	22970	1990 WJ ₃
1991 AF ₁	12.5	940905	277.92279	158.46105	299.33216	9.42309	0.0744161	2.9927304	44	6	1934–1994	0.81	Williams	22970	1991 AF ₁
1991 BH ₂	12.0	940905	271.45243	117.99425	341.30469	11.01233	0.0857353	3.0573383	15	3	1986–1994	0.83	Williams	17969	1991 BH ₂
1991 BY ₂	14.0	940905	334.98100	75.55567	308.56926	38.02221	0.4671127	2.7235094	42	2	1991–1994	0.70	Williams	23991	1991 BY ₂
1991 DY	13.0	940905	277.92792	340.92354	189.01986	7.08341	0.1416776	2.6700225	12	2	1991–1993	0.84	Williams	22954	1991 DY
1991 EA ₁	12.5	940905	257.24286	160.68493	40.38609	10.01290	0.2003266	2.7380958	24	5	1955–1993	1.09	Williams	23247	1991 EA ₁
1991 FJ	12.5	940905	207.86514	221.46529	348.44509	9.10635	0.0340873	3.0517284	23	6	1977–1993	1.05	Marsden	22687	1991 FJ
1991 GP ₆	16.0	940905	312.24126	31.53099	193.70495	1.99783	0.1659142	2.4054318	14	3	1977–1992	0.51	Williams	23977	1991 GP ₆
1991 JP	13.8	940905	303.73577	57.40937	210.25994	9.71217	0.2415535	2.3492048	14	4	1955–1994	0.74	Bowell	23538	1991 JP
1991 JA ₁	14.0	940905	321.84067	145.70483	217.85620	19.93274	0.0749780	1.9250390	12	3	1989–1994	0.90	Williams	18638	1991 JA ₁
1991 JF ₁	12.0	940905	287.19991	151.34852	221.82486	28.10335	0.1419902	1.9144634	29	4	1968–1994	0.75	Williams	23869	1991 JF ₁
1991 NF	13.5	940905	76.33601	342.57882	285.98197	23.55559	0.0521333	1.9683356	21	3	1991–1994	0.63	Williams	23991	1991 NF
1991 PF ₁₀	14.5	940905	332.78833	209.88410	144.84319	2.20314	0.0690557	2.1483994	19	5	1953–1994	0.72	Bowell	22494	1991 PF ₁₀

1991 SJ ₁	12.8	940905	164.64004	303.21217	167.92605	14.16052	0.1724777	2.6452511	66	5	1991–1994	0.76	Bowell	23991	1991 SJ ₁
1991 UV	13.5	940905	11.28917	86.66574	218.88674	1.88086	0.1607808	2.2752725	29	5	1953–1994	0.80	Williams	23991	1991 UV
1991 UO ₄	13.5	940905	34.49434	322.34032	336.98034	6.20022	0.0940883	2.1990617	31	4	1981–1994	0.96	Williams	23991	1991 UO ₄
1991 VB ₃	13.5	940905	277.86324	209.65484	249.85022	5.53745	0.0705121	2.1899291	26	6	1955–1994	0.96	Williams	22431	1991 VB ₃
1991 YF	13.0	940905	211.15906	236.13895	295.34845	9.25930	0.1377321	2.3769464	32	6	1952–1994	0.78	Williams	22273	1991 YF
1991 YH	13.0	940905	307.91953	55.89471	30.52697	6.86554	0.0622610	2.2915891	21	4	1987–1994	0.86	Williams	22084	1991 YH
1992 AF ₁	13.5	940905	308.35837	63.66379	25.86025	4.60699	0.1101078	2.2673315	29	5	1982–1994	0.94	Williams	22084	1992 AF ₁
1992 BK ₁	12.0	940905	240.31557	173.58643	309.10234	12.15687	0.1232335	2.5923099	20	7	1950–1994	0.98	Williams	23978	1992 BK ₁
1992 CG ₁	12.0	940905	116.82714	105.24444	113.93888	3.40467	0.1300225	3.0863318	19	5	1981–1993	0.79	Williams	23790	1992 CG ₁
1992 DG ₁	13.5	940905	214.35468	231.47097	348.28902	5.57214	0.1517913	2.3698525	21	6	1952–1993	0.82	Williams	22085	1992 DG ₁
1992 DT ₆	12.5	940905	238.51898	278.57319	149.70890	5.88360	0.1629364	3.1582820	13	3	1990–1993	0.71	Williams	23978	1992 DT ₆
1992 ED ₁	12.5	940905	296.53689	189.94656	241.46489	13.39965	0.1452496	2.6061129	18	3	1990–1994	0.50	Williams	23992	1992 ED ₁
1992 EQ ₈	12.0	940905	337.12271	270.58193	91.50211	3.34390	0.0783523	2.8943783	15	7	1950–1994	0.91	Williams	23979	1992 EQ ₈
1992 LG	13.8	940905	297.46858	83.77298	109.47154	3.05006	0.0518136	2.1750666	24	5	1954–1992	0.72	Bowell	21977	1992 LG
1992 PX ₂	12.9	940905	246.88956	312.22858	286.76493	11.24984	0.1515918	2.6037744	13	4	1954–1992	0.83	Bowell	21584	1992 PX ₂
1992 PS ₆	13.5	940905	122.41083	180.78067	246.18288	5.52513	0.0949386	2.3496443	13	4	1978–1994	0.52	Bowell	23247	1992 PS ₆
1992 SV ₁₂	13.7	940905	264.66171	285.31615	6.53141	7.42663	0.1830492	2.2594455	14	4	1955–1992	0.79	Bowell	21118	1992 SV ₁₂
1992 SW ₁₇	11.9	940905	157.77925	94.06533	281.17287	14.01855	0.1559976	2.7467720	18	3	1974–1994	1.08	Bowell	23350	1992 SW ₁₇
1992 TC	17.5	940905	355.36636	275.41701	88.76569	7.08768	0.2924166	1.5660010	69	3	1990–1994	0.73	Williams	23992	1992 TC
1992 UM ₃	11.5	940905	67.84988	228.62581	239.75703	9.09056	0.0623338	3.0202792	21	3	1986–1994	0.86	Bowell	22957	1992 UM ₃
1992 WL	11.7	940905	59.37341	75.23167	46.79364	10.80219	0.0384771	3.0231502	21	4	1954–1994	1.22	Bowell	23125	1992 WL
1992 WH ₁	12.4	940905	209.87402	238.15864	128.07997	6.92995	0.1580911	2.4070027	14	4	1955–1994	0.70	Bowell	23539	1992 WH ₁
1992 WP ₃	12.2	940905	148.01156	102.63321	281.11015	9.49778	0.1261083	3.0486807	14	6	1949–1994	0.86	Bowell	23247	1992 WP ₃
1993 CP ₁	13.0	940905	77.63421	60.36427	164.88708	13.06823	0.1265218	2.5686274	17	5	1953–1994	0.96	Williams	23134	1993 CP ₁
1993 FC ₁	12.5	940905	109.82161	5.89323	210.99209	12.99067	0.1125304	2.5930569	32	4	1986–1994	0.85	Williams	23992	1993 FC ₁
1993 FZ ₁₂	12.0	940905	352.16213	193.29426	134.25770	5.05190	0.1218506	2.6407911	14	3	1960–1994	0.79	Williams	23870	1993 FZ ₁₂
1993 FG ₂₃	14.0	940905	289.15521	156.09824	262.92349	1.96945	0.0730527	2.1757245	17	4	1988–1994	0.83	Williams	23524	1993 FG ₂₃
1993 FL ₂₄	13.5	940905	352.87775	4.51017	350.41322	3.06299	0.1738127	2.2537068	17	4	1977–1994	0.70	Williams	23980	1993 FL ₂₄
1993 FX ₇₉	13.0	940905	19.71366	122.25298	195.56879	1.81710	0.1290807	2.4503128	20	2	1993–1994	0.63	Williams	23980	1993 FX ₇₉
1993 GM	12.8	940905	195.70616	336.00351	125.82078	3.20095	0.0689891	2.9318181	24	5	1954–1993	0.90	Bowell	22495	1993 GM
1993 HL	13.0	940905	0.52252	308.10497	53.98428	8.62494	0.1941956	2.2513575	27	4	1950–1994	0.62	Williams	23870	1993 HL
1993 HY	13.0	940905	69.91890	178.25280	98.61196	5.00973	0.1699618	2.5844994	23	7	1968–1994	0.82	Williams	22432	1993 HY
1993 JF	13.0	940905	62.96245	58.67531	247.14878	4.82248	0.1875872	2.3037916	24	5	1972–1994	0.88	Williams	22411	1993 JF
1993 JJ	13.5	940905	37.83873	248.95699	89.37656	5.32215	0.0817000	2.2791295	24	9	1976–1994	0.88	Williams	22411	1993 JJ
1993 JK ₁	13.0	940905	318.80001	81.29513	307.36821	0.91579	0.1045092	2.9372203	32	4	1974–1994	0.80	Williams	23981	1993 JK ₁
1993 MA ₁	12.0	940905	84.84330	208.03510	55.29149	9.27836	0.1168174	2.7440351	13	4	1954–1994	0.73	Williams	22827	1993 MA ₁
1993 MS ₁	12.0	940905	182.65114	350.30373	229.09607	11.33515	0.1324767	2.4761756	26	6	1974–1994	0.80	Williams	22827	1993 MS ₁
1993 PW ₇	14.0	940905	100.57438	340.19106	330.38212	2.79887	0.1554056	2.7732219	18	2	1984–1993	1.05	Williams	23341	1993 PW ₇
1993 RF ₂	14.5	940905	130.60696	326.03388	353.92369	4.80958	0.1823724	2.2584383	16	2	1976–1993	0.73	Williams	22971	1993 RF ₂
1993 RX ₃	11.0	940905	92.99516	9.09110	290.84410	15.12057	0.0600703	3.2159677	13	3	1991–1994	0.77	Williams	23992	1993 RX ₃
1993 SK ₃	13.0	940905	11.96928	128.61242	311.14196	2.26941	0.2759260	3.2391023	10	1	129 days	0.48	Williams	23125	1993 SK ₃
1993 UC ₁	12.4	940905	117.13953	79.92422	261.52277	12.41180	0.1759430	2.4588902	15	5	1955–1993	0.96	Bowell	22971	1993 UC ₁
1993 VA	17.0	940905	157.12531	336.39608	133.27075	7.25614	0.3911896	1.3560070	67	3	1986–1994	0.68	Williams	23870	1993 VA
1993 VW	16.5	940905	85.08219	280.90270	231.31702	8.68533	0.4843849	1.6950451	104	3	1982–1994	0.62	Williams	23870	1993 VW
1994 AK ₁₅	12.9	940905	116.86882	94.39935	314.43589	7.33865	0.1363179	2.5902779	21	4	1955–1994	0.82	Bowell	23539	1994 AK ₁₅
1994 CF ₁	13.0	940905	109.11730	115.94905	298.95952	11.56136	0.1837528	2.6925207	13	2	1992–1994	0.49	Williams	23982	1994 CF ₁
1994 LW	17.0	940905	6.47674	54.38950	241.16253	23.01853	0.6194470	3.1619447	145	1	114 days	0.69	Williams	23992	1994 LW
1994 LX	15.0	940905	245.23181	349.02767	111.34662	36.90060	0.3464048	1.2614841	36	2	1977–1994	0.76	Williams	23865	1994 LX
1994 LC ₁	16.5	940905	2.13469	316.10492	15.76622	12.36616	0.5245115	2.8182395	39	1	102 days	0.36	Williams	23993	1994 LC ₁
1994 NC	13.0	940905	290.01531	236.90495	165.98780	11.97277	0.1772514	2.6880045	23	2	1981–1994	0.57	Williams	23993	1994 NC
1994 NO	14.0	940905	356.42987	86.71508	237.72481	20.69327	0.3319960	3.1676115	18	1	88 days	0.46	Williams	23983	1994 NO
1994 RJ	16.0	940905	7.45554	106.47186	216.37525	3.15703	0.1490777	2.5198936	20	2	1993–1994	0.69	Williams	23984	1994 RJ

2096 P-L	15.0	940905	39.44984	205.37044	201.04182	2.91307	0.1201566	2.3886798	19	3	1960–1993	0.77	Williams	23993	2096 P-L
2527 P-L	13.0	940905	352.34251	214.00637	185.86033	15.14881	0.2832361	3.1543851	22	4	1960–1994	0.71	Williams	22086	2527 P-L
2560 P-L	14.0	940905	9.25769	144.34876	183.87670	1.09488	0.0589330	2.8863149	25	2	1960–1994	0.77	Williams	23985	2560 P-L
3535 P-L	12.5	940905	102.21241	272.77893	338.94357	12.23782	0.1786990	2.4207460	24	5	1951–1994	0.76	Williams	22495	3535 P-L
3538 P-L	15.0	940905	8.86287	69.95312	291.63230	4.19096	0.2461085	2.2560870	25	4	1960–1994	0.82	Williams	22086	3538 P-L
4015 P-L	14.5	940905	29.03147	5.36927	312.78425	1.82491	0.1918434	2.4244647	27	4	1960–1994	0.81	Williams	23540	4015 P-L
4038 P-L	14.5	940905	352.96422	178.25843	302.69263	1.53121	0.1620661	2.3791417	19	2	1960–1993	0.70	Williams	22966	4038 P-L
4276 P-L	15.5	940905	196.67437	254.58607	356.12206	5.51395	0.1833515	2.2174445	27	4	1960–1993	0.85	Williams	22971	4276 P-L
6580 P-L	13.5	940905	208.63196	155.53746	69.25532	3.92911	0.0991092	2.2253863	16	2	1960–1992	1.01	Williams	23985	6580 P-L
7604 P-L	13.7	940905	241.92363	53.92510	84.13626	4.01479	0.0549759	2.4176759	15	6	1955–1992	0.70	Bowell	22087	7604 P-L
7609 P-L	14.5	940905	314.95718	228.81876	46.00576	6.46128	0.1320556	2.3103917	19	3	1960–1994	0.86	Williams	23986	7609 P-L
9073 P-L	13.0	940905	9.29439	22.53865	345.04401	4.91644	0.1497131	3.1503187	13	5	1954–1988	0.69	Bowell	15571	9073 P-L
1181 T-1	13.0	940905	223.08502	229.07970	325.68917	3.59981	0.0893494	2.9463826	38	5	1971–1993	0.97	Marsden	22701	1181 T-1
3287 T-1	13.5	940905	181.59936	279.57391	215.50413	0.69557	0.1475367	3.0511604	16	3	1954–1990	0.80	Williams	23987	3287 T-1
3332 T-1	14.0	940905	350.96197	118.70013	285.81827	1.55625	0.2193980	2.3239640	17	4	1971–1994	0.61	Williams	23791	3332 T-1
4098 T-1	13.5	940905	320.93129	21.96527	30.78406	7.92318	0.0905777	2.3404927	17	5	1971–1994	1.05	Williams	22087	4098 T-1
1218 T-2	14.0	940905	152.67339	283.49556	154.27542	0.95992	0.0777640	2.4080879	26	5	1955–1992	0.86	Bowell	22432	1218 T-2
2040 T-2	14.5	940905	22.24146	213.43167	188.30759	7.28230	0.0182987	2.9376234	41	5	1971–1993	1.09	Marsden	22432	2040 T-2
2104 T-2	14.5	940905	65.39021	116.40550	251.57720	1.15367	0.1148198	2.9232764	21	2	1973–1993	0.77	Williams	22966	2104 T-2
4261 T-2	14.0	940905	231.09643	15.19513	49.75750	4.91751	0.0546234	2.6730704	19	2	1973–1993	0.86	Williams	23989	4261 T-2
5140 T-2	11.5	940905	67.18145	22.98702	279.73164	9.06931	0.0861418	3.0017230	28	5	1973–1994	0.85	Williams	22495	5140 T-2
5148 T-2	14.5	940905	16.77681	39.65772	309.01360	6.34622	0.2170832	2.2971519	19	4	1973–1994	0.86	Williams	21603	5148 T-2
1076 T-3	14.0	940905	3.36428	62.99406	308.78724	6.65378	0.1816335	2.2536459	25	7	1953–1994	0.82	Williams	22495	1076 T-3
2206 T-3	15.0	940905	202.44933	140.69419	258.83159	2.65193	0.0984400	2.8019700	18	3	1977–1994	0.88	Williams	23989	2206 T-3
2369 T-3	16.0	940905	203.76072	220.65123	276.22863	3.02982	0.0918083	2.2950241	18	2	1977–1991	0.98	Williams	23989	2369 T-3
3398 T-3	14.5	940905	317.61750	266.84472	151.66585	2.23224	0.1285420	2.2614073	25	5	1950–1994	0.86	Williams	22828	3398 T-3
4354 T-3	15.1	940905	83.77587	250.64484	132.73426	4.01889	0.0724256	2.1832202	21	3	1954–1990	0.88	Bowell	22274	4354 T-3

NEW NAMES OF MINOR PLANETS

(3547) Serov = 1978 TM₆

Discovered 1978 Oct. 2 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Named in memory of Valentin Alexandrovich Serov (1865–1911), a famous Russian painter.

(3558) Shishkin = 1978 SQ₂

Discovered 1978 Sept. 26 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Named in memory of Ivan Ivanovich Shishkin (1832–1898), a well-known Russian painter.

(3566) Levitan = 1979 YA₉

Discovered 1979 Dec. 24 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Named in memory of Isaac Il'ich Levitan (1860–1900), a famous Russian landscape-painter.

(3578) Carestia = 1977 CC

Discovered 1977 Feb. 11 at the El Leoncito Station of the Felix Aguilar Observatory.

Named in memory of Reinaldo Augusto Carestia (1932–1993) outstanding researcher who was, for more than 26 years, in charge of the Repsold Meridian Circle

at the Felix Aguilar Observatory in San Juan, Argentina. He published five fundamental catalogues listing about 10 000 stars. He was also a professor of spherical astronomy and geographic determinations at the School of Topography of the National University of San Juan, as well as a member of the National Committee of Scientific and Technological Research of Chile.

(3633) Mira = 1980 EE₂

Discovered 1980 Mar. 13 at the El Leoncito station of the Felix Aguilar Observatory.

Named in memory of Hugo Mira (1937–1994), outstanding researcher who worked for more than twenty-five years at the discovery site of this minor planet. Mira was an observer at the transit circle of the U.S. Naval Observatory's Yale-Columbia Southern Observatory for four years. He also worked for twenty years on minor planets and proper motions with the double astrophotograph.

(3649) Guillermina = 1976 HQ

Discovered 1976 Apr. 26 at the El Leoncito station of the Felix Aguilar Observatory.

Named in honor of Maria Guillermina Martin de Cesco (1915–), widow of Carlos U. Cesco and mother of M. R. Cesco. She was the first student registered at the Astronomy School of La Plata State University and was a generous collaborator of Ing. Felix Aguilar.

(3771) Alexejtolstoj = 1974 SB₃

Discovered 1974 Sept. 20 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Named in memory of Alexej Nikolaevich Tolstoj (1883–1945), a well-known Russian writer and public figure.

(3803) Tuchkova = 1981 TP₁

Discovered 1981 Oct. 2 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Named in memory of Margarita Mikhailovna Tuchkova (1781–1852), who built the Temple Spas Nerukotvorny in 1820. She founded the Spaso-Borodinskij nunnery in 1839 in honor of the battle at Borodino (1812) where her husband and brother-in-law were killed. Her monastic name was Mother Maria.

(3862) Agekian = 1972 KM

Discovered 1972 May 18 by T. M. Smirnova at the Crimean Astrophysical Observatory.

Named in honor of Tateos Artemjevich Agekian, professor at the St. Petersburg University. Agekian is a world famous scientist in stellar statistics, kinematics and dynamics. He has found two evolutionary sequences of stellar systems: nearly spherical and strongly flattened. He initiated a numerical study of the dynamics of triple systems, developed a new approach to study the motion in the field of axially symmetric potential, and he suggested an essentially new method to investigate the structure and kinematics of the Milky Way Galaxy using radio observations of neutral hydrogen. His attractive book *Stars, Galaxies, the Metagalaxy*, translated into many languages, is the lodestar for many young astronomers. His manuals on probability theory and the treatment of observations are reference books for astronomers and physicists.

(3863) Gilyarovskij = 1978 SJ₃

Discovered 1978 Sept. 26 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Named after the Russian writer Vladimir Alexeevich Gilyarovskij (1853–1935).

(3925) Tret'yakov = 1977 SS₂

Discovered 1977 Sept. 19 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Named in memory of Pavel Mikhailovich Tret'yakov (1832–1898) and his brother Sergej Mikhailovich (1834–1892). Pavel founded the Art Gallery; Sergej presented his Western-European art collection to the city of Moscow.

(3964) Danilevskij = 1974 RG₁

Discovered 1974 Sept. 12 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Named in memory of Grigorij Petrovich Danilevskij (1829–1890), Russian and Ukrainian writer.

(3969) Rossi = 1978 TQ₈

Discovered 1978 Oct. 9 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Named in memory of the outstanding architect Karl Ivanovich Rossi (1775–1849), designer of splendid architectural ensembles in St. Petersburg.

(3971) Voronikhin = 1979 YM₈

Discovered 1979 Dec. 23 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Named in memory of Andrej Nikiforovich Voronikhin (1759–1814), a Russian architect, representative of classicism.

(4005) Dyagilev = 1972 TC₂

Discovered 1972 Oct. 8 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Named in memory of the Russian impresario Sergej Pavlovich Dyagilev (1872–1929). He is mainly known as the patron of art and literature and the founder of the travelling Russian ballet company.

(4023) Jarník = 1981 UN

Discovered 1981 Oct. 25 by L. Brožek at Kleť.

Named in memory of Vojtěch Jarník (1897–1970), Czech mathematician and professor at the Charles University in Prague. He studied number theory and was also well known for his work on the theory of real variable functions. His excellent textbooks on the differential and integral calculus have been used by several generations of mathematicians and physicists.

(4032) Chaplygin = 1985 UT₄

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

Named in memory of Sergej Alexeevich Chaplygin (1869–1942), a notable expert in theoretical mechanics. He was one of the founders of the aerodynamics.

(4053) Cherkasov = 1981 TQ₁

Discovered 1981 Oct. 2 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Named in memory of Nikolaj Konstantinovich Cherkasov (1903–1966), a well-known Russian actor.

(4070) Rozov = 1980 RS₂

Discovered 1980 Sept. 8 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Named in honor of the Russian playwright Victor Sergeevich Rozov (1913–).

(4144) Vladvasil'ev = 1981 SW₆

Discovered 1981 Sept. 28 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Named after the brilliant Russian ballet-dancer Vladimir Victorovich Vasil'ev (1940–).

(4145) Maximova = 1981 SJ₇

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

Named in honor of the wonderful Russian ballet-dancer Ekaterina Sergeevna Maximova (1939–).

(4166) Pontryagin = 1978 SZ₆

Discovered 1978 Sept. 26 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Named after the outstanding Russian mathematician Lev Semenovich Pontryagin (1908–).

(4167) Riemann = 1978 TQ₇

Discovered 1978 Oct. 2 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Named in memory of Georg Friedrich Bernhard Riemann (1826–1866), German mathematical genius.

(4214) Veralynn = 1987 UX₄

Discovered 1987 Oct. 22 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Named in honor of Vera Lynn (1917–), famous English singer.

(4366) Venikagan = 1979 YV₈

Discovered 1979 Dec. 24 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Named in memory of the outstanding Soviet mathematician Veniamin Fyodorovich Kagan (1869–1953).

(4430) Govorukhin = 1978 SX₆

Discovered 1978 Sept. 26 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Named in honor of the well-known Russian cinematic producer and playwright Stanislav Sergeevich Govorukhin (1936–).

(4434) Nikulin = 1981 RD₅

Discovered 1981 Sept. 8 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Named in honor of Yuriy Vladimirovich Nikulin (1921–), a Russian circus artist, clown, film star.

(4787) Shul'zhenko = 1986 RC₇

Discovered 1986 Sept. 6 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Named in memory of Klavdiya Ivanovna Shul'zhenko (1906–1984), a famous Russian variety singer.

(4840) Otaynang = 1989 UY

Discovered 1989 Oct. 23 by Y. Oshima at the Gekko Astronomical Observatory.

Named in honor Hanne Otaynang (1935–), who appealed for the environmental preservation of the earth at the 1992 Earth Summit in Brazil. Name proposed by the Gekko Astronomical Observatory.

(4970) Druyan = 1988 VO₂

Discovered 1988 Nov. 12 by E. F. Helin at Palomar.

Named as a tribute to Ann Druyan for her many contributions to the public understanding of the humane applications of planetary exploration and her creative directorship of the Voyager interstellar record, humanity's gift to the universe. Presented on the occasion of astronomer Carl Sagan's 60th birthday in recognition of his love and admiration for his wife and colleague.

(5258) Yamatotakeru = 1989 AU₁

Discovered 1989 Jan. 1 by Y. Oshima at the Gekko Astronomical Observatory.

Named after the tragic hero, Yamatotakeru, who is well known by many Japanese people. He appears in Japanese ancient literature such as *Kojiki* and *Nihon Shoki*. Name proposed by the Gekko Astronomical Observatory.

(5421) Ulanova = 1982 TD₂

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

Named in honor of the brilliant Russian ballet-dancer Galina Sergeevna Ulanova (1910–), whose picturesque dancing in the ballets *Giselle*, *Swan Lake* and others are unmatched.

(5463) Danwelcher = 1985 TO

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

Named in honor of Dan Welcher (1948–), American composer and conductor, on the occasion of the first performance of his Symphony No. 2 for large orchestra by the Flagstaff Symphony Orchestra on 1994 Nov. 9. Subtitled “Night Watchers”, the four-movement work marks the centennial of the founding of Lowell Observatory and of the city of Flagstaff. Welcher was trained as a pianist and bassoonist and became principal bassoonist of the Louisville Orchestra. From 1990 to 1992, he was composer in residence of the Honolulu Symphony. Welcher's wide-ranging compositions encompass orchestral, chamber, instrumental and vocal works, and he specializes in conducting the music of living American composers. He is professor of composition at the University of Texas at Austin.

(5464) Weller = 1985 VC₁

Discovered 1985 Nov. 7 by E. Bowell at the Anderson Mesa Station of Lowell Observatory.

Named in honor of Harold Weller (1941–). Conductor of the Flagstaff Symphony Orchestra since 1981, Weller received his musical training at the Oberlin and Cincinnati Conservatories of Music, Miami University and Ohio State University. He has held positions as musical director of the Hamilton (Ohio) and Ashland (Ohio) Symphony Orchestras and has been a faculty member at Ashland College in Ohio and Old Dominion University in Norfolk, Virginia.

(5702) Morando = 1931 FC

Discovered 1931 Mar. 16 by M. Wolf at Heidelberg.

Named in honor of Bruno Morando (1931–), astronomer at the Bureau des Longitudes, Paris, where he has been director for 13 years. A former president of the Société Astronomique de France, he is now responsible for the reduction of the minor-planet data from the Hipparcos satellite. Name proposed and citation prepared by D. Savoie and J. Meeus, endorsed by L. D. Schmadel.

(5703) Hevelius = 1931 VS

Discovered 1931 Nov. 15 by K. Reinmuth at Heidelberg.

Named in memory of the eminent astronomer Johannes Hevelius (1611–1687), brewer and city councillor of Gdansk, now Danzig. After studies at Leiden, London, Paris and Avignon he erected a private observatory and was an ardent observer. His *Selenographia* (1647), which contains detailed lunar maps obtained with long refractors, made him well-known. Further important works include *Cometographia*, *Machina coelestis* (astrometric observations of stars and planets), *Annus climactericus*, the Star Atlas and the Star Catalogue based on measurements with Tycho-type quadrants and sextants. Hevelius' second wife, Catharina Elisabeth, was one of the first female astronomers. Name proposed by J. Wünsch and L. D. Schmadel.

(5704) Schumacher = 1950 DE

Discovered 1950 Feb. 17 by K. Reinmuth at Heidelberg.

Named for the astronomer and geodesist Heinrich Christian Schumacher (1780–1850), who in 1821 founded the *Astronomische Nachrichten*. Living in Altona, he was professor in Copenhagen and leader of the Danish geodetic survey. Schumacher was the center of a lively correspondence with the leading astronomers of his day, and this ensured a collaboration across frontiers of the European geodetic surveys.

His greatest service to astronomers was the institution of the *AN*. Its purpose was to disseminate, as quickly as possible, information about discoveries, ephemerides, short articles, reviews, and so forth. This was achieved by mailing single sheets of eight pages as soon as they could be completed. The spirit of this journal was truly international and astronomers of all nations could contribute in their own language. Name proposed and citation prepared by L. K. Kristensen and endorsed by L. D. Schmadel.

(5756) Wassenbergh = 6034 P-L

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

Named in honor of Or Wassenbergh (1924–), from 1977 to 1994 professor of air and space law, on the occasion of the valedictory address at Leiden University. During World War II Or joined the Dutch underground forces. Later he obtained his doctorate, working first at KLM (Royal Dutch Air Line) and becoming more and more involved, not only with aviation policy and air law, but also with space law. He was vice-president of foreign relations and cooperation at KLM until 1990. He has published several books and articles about this subject. The name was proposed by his secretary and his colleagues in Leiden.

(5781) Barkhatova = 1990 SM₂₈

Discovered 1990 Sept. 24 by G. R. Kastel' and L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Named in memory of Claudia Alexandrovna Barkhatova (1917–1990), founder of the Kourovka Observatory, Ural State University, Ekaterinburg. Under her guidance Kourovka became one of the best university observatories in Russia. Barkhatova made valuable contributions to stellar astronomy and to our understanding of Galactic structure. In particular, she investigated the dependence of angular diameters of open clusters on interstellar extinction, and this led to a revision of the distance scale. She also established that the orbital eccentricities of the clusters depend on their age. Her disciples work in practically all the astronomical institutions of Russia. Name proposed by the first of the discoverers.

(5805) Glasgow = 1985 YH

Discovered 1985 Dec. 18 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Named for the city of Glasgow, Scotland, and for the Astronomical Society of Glasgow, whose 100th anniversary is this year being marked by a civic dinner hosted by the Glasgow City Council. Citation provided by M. Kennedy.

(5806) Archieroy = 1986 AG₁

Discovered 1986 Jan. 11 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Named in honor of Archibald Edmiston Roy (1924–), Scottish astrophysicist, teacher and writer. Although Roy has studied stellar interiors, neural networks, the history of astronomy, as well as psychical phenomena, he is best known as a celestial mechanician. He has worked on mean-motion commensurabilities, the restricted and general three-body problems, high-order Taylor series and the long-term stability of the solar system. While teaching in the Department of Astronomy, Glasgow University (a department he headed for five years), Roy had occasion to write four textbooks. In addition, he has published six works of fiction.

(5878) Charlene = 1991 CC₁

Discovered 1991 Feb. 14 by E. F. Helin at Palomar.

Named to honor Charlene Marie Anderson, director of publications for the *Planetary Report*, who has brought the planetary sciences to hundreds of thousands of

people worldwide. As an editor she has made invaluable contributions to the public understanding of space science and planetary exploration. Her inviting, natural style of writing makes science come to life.

(5904) Württemberg = 1989 AE₇

Discovered 1989 Jan. 10 by F. Börngen at Tautenburg.

Named for a region in southwestern Germany that includes both parts of the Schwarzwald, the Schwäbische Alb and the Alpenvorland. Both Johannes Kepler and Albert Einstein were born in this region of Baden-Württemberg, as were the poets Martin Wieland, Friedrich Schiller, Friedrich Hölderlin and Eduard Möricke. The major towns in Württemberg include Stuttgart, Tübingen, Ulm and Heilbronn.

(6000) United Nations = 1987 UN

Discovered 1987 Oct. 27 by P. Jensen at Brorfelde.

Named by vote of IAU Commission 20 at its 1994 meeting in The Hague on the recommendation of the Minor Planet Names Committee.

EPHEMERIDES

1994 RH		$a, e, i = 2.25, 0.44, 19$				Elements <i>MPC</i> 24113		
Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1994 10 15		21 34.10	+08 40.7	0.674	1.485	124.3	33.7	17.4
1994 10 25		21 31.55	+10 43.8	0.700	1.438	115.1	38.8	17.6
1994 11 04		21 34.91	+12 49.6	0.728	1.394	107.3	42.8	17.7
1994 11 14		21 43.73	+15 03.2	0.756	1.355	101.0	45.8	17.8
1994 11 24		21 57.46	+17 27.5	0.781	1.321	96.0	48.0	17.9
1994 12 04		22 15.75	+20 03.5	0.803	1.293	92.0	49.6	17.9
1994 12 14		22 38.49	+22 50.5	0.822	1.273	89.1	50.7	18.0
1994 12 24		23 05.63	+25 44.9	0.840	1.260	87.0	51.2	18.0
1995 01 03		23 37.28	+28 40.0	0.858	1.255	85.6	51.4	18.1
1995 01 13		00 13.55	+31 26.7	0.878	1.258	84.8	51.1	18.1
1995 01 23		00 54.17	+33 52.3	0.904	1.270	84.4	50.5	18.2
1995 02 02		01 38.51	+35 43.4	0.938	1.289	84.1	49.5	18.3
1995 02 12		02 25.28	+36 49.3	0.983	1.316	83.8	48.2	18.4
1995 02 22		03 12.68	+37 04.4	1.040	1.349	83.3	46.7	18.5
1995 03 04		03 58.91	+36 30.5	1.110	1.387	82.4	45.1	18.7
1995 03 14		04 42.58	+35 15.3	1.194	1.430	81.1	43.4	18.8
1995 03 24		05 22.90	+33 29.0	1.290	1.477	79.4	41.5	19.0

1994 TW ₁		$a, e, i = 2.28, 0.53, 35$				Elements <i>MPC</i> 24084		
Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1994 10 15		21 35.58	−27 38.2	0.726	1.460	115.0	38.2	16.2
1994 10 25		21 24.38	−20 30.9	0.744	1.393	105.5	43.5	16.3
1994 11 04		21 20.04	−13 21.1	0.772	1.328	96.8	47.9	16.4
1994 11 14		21 21.02	−06 21.2	0.805	1.267	89.2	51.4	16.4
1994 11 24		21 25.97	+00 26.1	0.837	1.211	82.7	54.0	16.5
1994 12 04		21 34.01	+07 03.6	0.866	1.163	77.5	55.9	16.5
1994 12 14		21 44.61	+13 35.9	0.889	1.123	73.5	57.2	16.6
1994 12 24		21 57.56	+20 07.5	0.904	1.095	70.7	58.0	16.6
1995 01 03		22 13.15	+26 42.2	0.911	1.078	69.3	58.5	16.6
1995 01 13		22 32.18	+33 23.9	0.911	1.075	69.1	58.7	16.6
1995 01 23		22 56.15	+40 13.7	0.904	1.086	70.1	58.4	16.6
1995 02 02		23 27.94	+47 08.0	0.894	1.109	72.1	57.8	16.6
1995 02 12		00 12.33	+53 51.1	0.886	1.144	75.0	56.5	16.6
1995 02 22		01 16.42	+59 39.8	0.885	1.188	78.5	54.6	16.6

1995 03 04	02 45.21	+63 11.1	0.898	1.241	81.9	52.3	16.7
1995 03 14	04 26.74	+62 57.6	0.930	1.300	84.9	49.6	16.8
1995 03 24	05 54.69	+59 05.3	0.985	1.363	86.9	46.9	16.9
1995 04 03	06 58.94	+53 10.0	1.063	1.430	87.7	44.3	17.1
1995 04 13	07 44.96	+46 39.2	1.164	1.499	87.2	41.9	17.3
1995 04 23	08 19.53	+40 20.0	1.285	1.569	85.5	39.7	17.6
1995 05 03	08 47.19	+34 30.9	1.423	1.640	82.9	37.6	17.9
1995 05 13	09 10.53	+29 16.3	1.573	1.710	79.7	35.5	18.1
1995 05 23	09 31.06	+24 34.2	1.732	1.781	75.9	33.5	18.3
1995 06 02	09 49.71	+20 20.0	1.897	1.850	71.8	31.4	18.6
1995 06 12	10 07.07	+16 29.2	2.065	1.919	67.4	29.2	18.8
1995 06 22	10 23.48	+12 57.5	2.234	1.986	62.8	27.1	19.0
1995 07 02	10 39.22	+09 41.3	2.402	2.053	58.0	24.8	19.1

1994 SE		$a, e, i = 2.33, 0.41, 8$			Elements <i>MPC</i> 24084		
Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1994 10 15	21 49.07	-30 03.9	0.652	1.414	116.6	39.1	17.4
1994 10 25	22 11.04	-25 52.9	0.715	1.436	113.3	39.5	17.6
1994 11 04	22 33.02	-21 37.3	0.788	1.463	110.0	39.6	17.9
1994 11 14	22 54.83	-17 23.6	0.872	1.494	106.6	39.4	18.1
1994 11 24	23 16.35	-13 17.0	0.965	1.529	103.1	39.0	18.4
1994 12 04	23 37.56	-09 20.4	1.069	1.568	99.4	38.3	18.7
1994 12 14	23 58.53	-05 35.5	1.181	1.610	95.6	37.5	18.9
1994 12 24	00 19.28	-02 03.3	1.302	1.654	91.6	36.5	19.1
1995 01 03	00 39.88	+01 15.9	1.430	1.700	87.5	35.3	19.4
1995 01 13	01 00.40	+04 22.2	1.565	1.747	83.2	34.0	19.6
1995 01 23	01 20.87	+07 15.7	1.704	1.796	78.8	32.5	19.8
1995 02 02	01 41.34	+09 56.6	1.848	1.845	74.4	31.0	20.0

1994 TB		$a, e, i = 31.72, 0.00, 10$			Elements <i>MPC</i> 24084		
Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1994 10 15	23 13.16	+02 35.2	30.865	31.716	148.1	1.0	22.1
1994 10 25	23 12.45	+02 29.7	30.968	31.716	138.2	1.2	22.1
1994 11 04	23 11.89	+02 24.8	31.093	31.716	128.1	1.4	22.2
1994 11 14	23 11.51	+02 20.6	31.238	31.716	118.1	1.6	22.2
1994 11 24	23 11.30	+02 17.5	31.396	31.716	108.0	1.7	22.2
1994 12 04	23 11.30	+02 15.6	31.564	31.716	98.0	1.8	22.2
1994 12 14	23 11.50	+02 14.9	31.736	31.716	87.9	1.8	22.2
1994 12 24	23 11.89	+02 15.5	31.907	31.716	77.9	1.7	22.2
1995 01 03	23 12.48	+02 17.4	32.072	31.716	67.9	1.6	22.2
1995 01 13	23 13.24	+02 20.6	32.225	31.716	58.0	1.5	22.2
1995 01 23	23 14.16	+02 25.0	32.363	31.716	48.2	1.3	22.2
1995 02 02	23 15.21	+02 30.6	32.481	31.716	38.5	1.1	22.2

1994 TG₂		$a, e, i = 41.45, 0.00, 3$			Elements <i>MPC</i> 24084		
Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1994 10 15	23 28.29	-03 28.6	40.588	41.453	149.9	0.7	24.3
1994 10 25	23 27.70	-03 32.2	40.689	41.453	139.8	0.9	24.3
1994 11 04	23 27.21	-03 35.2	40.813	41.453	129.6	1.1	24.3
1994 11 14	23 26.85	-03 37.4	40.957	41.453	119.5	1.2	24.3
1994 11 24	23 26.62	-03 38.8	41.115	41.453	109.4	1.3	24.3
1994 12 04	23 26.55	-03 39.1	41.284	41.453	99.2	1.3	24.4
1994 12 14	23 26.62	-03 38.5	41.458	41.453	89.1	1.4	24.4
1994 12 24	23 26.85	-03 36.9	41.630	41.453	79.0	1.3	24.4

1995 01 03	23 27.23	-03 34.4	41.798	41.453	68.9	1.3	24.4
1995 01 13	23 27.75	-03 31.0	41.954	41.453	58.8	1.2	24.4
1995 01 23	23 28.39	-03 26.7	42.095	41.453	48.8	1.0	24.4
1995 02 02	23 29.15	-03 21.7	42.216	41.453	38.9	0.9	24.4

1994 TF₂		$a, e, i = 0.98, 0.26, 20$			Elements <i>MPC</i> 24084		
Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1994 10 15	23 53.29	-38 07.6	0.261	1.180	129.3	40.8	18.5
1994 10 25	23 34.95	-44 54.5	0.301	1.153	114.7	51.6	19.1
1994 11 04	23 24.29	-48 42.5	0.342	1.121	103.2	59.5	19.6
1994 11 14	23 21.15	-50 45.7	0.380	1.085	94.1	65.5	19.9
1994 11 24	23 23.62	-51 53.9	0.409	1.044	86.4	70.6	20.1

1993 SB		$a, e, i = 39.42, 0.32, 2$			Elements <i>MPC</i> 24111		
Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1994 10 15	23 59.19	+00 07.7	31.433	32.362	158.4	0.7	23.2
1994 10 25	23 58.38	+00 02.5	31.503	32.353	148.2	0.9	23.2
1994 11 04	23 57.67	-00 02.0	31.600	32.344	138.0	1.2	23.2
1994 11 14	23 57.11	-00 05.6	31.719	32.335	127.8	1.4	23.2
1994 11 24	23 56.70	-00 08.2	31.856	32.326	117.6	1.6	23.3
1994 12 04	23 56.48	-00 09.6	32.008	32.317	107.5	1.7	23.3
1994 12 14	23 56.45	-00 09.8	32.169	32.308	97.3	1.7	23.3
1994 12 24	23 56.61	-00 08.7	32.333	32.300	87.2	1.7	23.3
1995 01 03	23 56.97	-00 06.3	32.497	32.291	77.1	1.7	23.3
1995 01 13	23 57.52	-00 02.6	32.653	32.282	67.0	1.6	23.3
1995 01 23	23 58.24	+00 02.1	32.798	32.273	57.0	1.5	23.3
1995 02 02	23 59.12	+00 07.9	32.927	32.264	47.1	1.3	23.3
1995 02 12	00 00.14	+00 14.6	33.035	32.255	37.3	1.1	23.3

1994 TG		$a, e, i = 42.25, 0.00, 7$			Elements <i>MPC</i> 24084		
Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1994 10 15	00 31.97	+02 32.8	41.283	42.254	166.8	0.3	23.3
1994 10 25	00 31.26	+02 28.6	41.339	42.254	156.7	0.5	23.3
1994 11 04	00 30.62	+02 24.8	41.423	42.254	146.6	0.7	23.3
1994 11 14	00 30.06	+02 21.6	41.533	42.254	136.4	0.9	23.4
1994 11 24	00 29.61	+02 19.2	41.664	42.254	126.2	1.1	23.4
1994 12 04	00 29.28	+02 17.6	41.814	42.254	116.0	1.2	23.4
1994 12 14	00 29.10	+02 16.8	41.977	42.254	105.7	1.3	23.4
1994 12 24	00 29.06	+02 17.1	42.148	42.254	95.6	1.3	23.4
1995 01 03	00 29.17	+02 18.3	42.322	42.254	85.4	1.3	23.4
1995 01 13	00 29.44	+02 20.5	42.493	42.254	75.3	1.3	23.5
1995 01 23	00 29.84	+02 23.6	42.657	42.254	65.2	1.2	23.5

1994 TH		$a, e, i = 40.94, 0.00, 16$			Elements <i>MPC</i> 24084		
Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1994 10 15	00 33.20	+02 33.7	39.968	40.940	167.1	0.3	23.1
1994 10 25	00 32.45	+02 29.7	40.023	40.940	157.0	0.5	23.2
1994 11 04	00 31.77	+02 26.1	40.107	40.940	146.8	0.8	23.2
1994 11 14	00 31.18	+02 23.2	40.215	40.940	136.6	1.0	23.2
1994 11 24	00 30.70	+02 20.9	40.346	40.940	126.4	1.1	23.3
1994 12 04	00 30.35	+02 19.6	40.496	40.940	116.2	1.2	23.3
1994 12 14	00 30.14	+02 19.2	40.658	40.940	106.0	1.3	23.3
1994 12 24	00 30.08	+02 19.7	40.829	40.940	95.8	1.4	23.3
1995 01 03	00 30.18	+02 21.3	41.003	40.940	85.7	1.4	23.3

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1995 01 13	00 30.44	+02 23.8	41.175	40.940	75.5	1.3	23.3
1995 01 23	00 30.85	+02 27.3	41.339	40.940	65.5	1.3	23.3
1995 02 02	00 31.39	+02 31.7	41.491	40.940	55.5	1.1	23.3

1994 TA							
$a, e, i = 15.08, 0.00, 6$							
Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1994 10 15	01 13.83	+02 22.2	14.090	15.082	173.8	0.4	22.7
1994 10 25	01 11.94	+02 10.3	14.119	15.082	165.1	1.0	22.8
1994 11 04	01 10.16	+01 59.8	14.177	15.082	155.0	1.6	22.9
1994 11 14	01 08.56	+01 51.1	14.263	15.082	144.7	2.2	22.9
1994 11 24	01 07.23	+01 44.5	14.374	15.082	134.4	2.7	23.0
1994 12 04	01 06.22	+01 40.3	14.507	15.082	124.1	3.1	23.0
1994 12 14	01 05.59	+01 38.9	14.657	15.082	113.8	3.4	23.1
1994 12 24	01 05.37	+01 40.1	14.820	15.082	103.6	3.6	23.1
1995 01 03	01 05.56	+01 44.1	14.989	15.082	93.6	3.7	23.1
1995 01 13	01 06.17	+01 50.7	15.160	15.082	83.6	3.7	23.1
1995 01 23	01 07.19	+01 59.6	15.328	15.082	73.7	3.6	23.2
1995 02 02	01 08.59	+02 10.7	15.488	15.082	64.0	3.4	23.2

1986 DA							
$a, e, i = 2.82, 0.58, 4$							
Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1994 10 15	04 29.35	+20 53.0	2.460	3.219	132.6	13.2	20.3
1994 10 25	04 24.43	+20 47.5	2.312	3.168	143.7	10.7	20.0
1994 11 04	04 16.99	+20 36.6	2.186	3.115	155.4	7.6	19.7
1994 11 14	04 07.38	+20 20.0	2.088	3.062	167.7	3.9	19.4
1994 11 24	03 56.28	+19 58.1	2.019	3.007	179.4	0.2	19.0
1994 12 04	03 44.66	+19 32.8	1.982	2.950	166.7	4.4	19.2
1994 12 14	03 33.67	+19 07.0	1.976	2.893	153.9	8.6	19.4
1994 12 24	03 24.33	+18 44.7	1.998	2.834	141.5	12.5	19.5
1995 01 03	03 17.39	+18 29.3	2.041	2.774	129.6	15.8	19.6
1995 01 13	03 13.33	+18 23.4	2.102	2.713	118.5	18.6	19.7
1995 01 23	03 12.24	+18 28.3	2.174	2.650	108.1	20.7	19.8
1995 02 02	03 14.07	+18 43.8	2.252	2.587	98.4	22.1	19.9
1995 02 12	03 18.65	+19 09.0	2.330	2.522	89.4	23.0	19.9

1992 TB							
$a, e, i = 1.34, 0.46, 28$							
Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1994 10 15	05 31.70	-12 05.8	0.958	1.640	114.1	33.7	19.9
1994 10 25	05 38.43	-18 13.4	0.862	1.589	117.6	33.7	19.6
1994 11 04	05 41.46	-25 07.4	0.781	1.534	119.4	34.3	19.3
1994 11 14	05 39.74	-32 30.1	0.716	1.475	118.8	36.0	19.1
1994 11 24	05 32.17	-39 53.4	0.668	1.412	115.7	39.0	18.9
1994 12 04	05 17.61	-46 42.7	0.632	1.345	110.6	43.3	18.8
1994 12 14	04 55.66	-52 25.6	0.605	1.275	104.1	48.5	18.8
1994 12 24	04 27.13	-56 44.6	0.581	1.202	97.0	54.3	18.7
1995 01 03	03 53.77	-59 39.2	0.554	1.126	89.7	60.8	18.6
1995 01 13	03 17.10	-61 25.3	0.520	1.049	82.3	68.3	18.6
1995 01 23	02 35.01	-62 22.6	0.476	0.972	74.5	77.4	18.5
1995 02 02	01 39.71	-62 21.8	0.421	0.898	65.6	89.1	18.5
1995 02 12	00 21.20	-59 40.8	0.362	0.830	54.4	104.8	18.8

1994 OCT. 19

1989 VA							
$a, e, i = 0.73, 0.59, 29$							
Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1994 10 15	06 38.67	+33 51.3	0.366	1.137	103.1	58.7	17.7
1994 10 25	06 14.51	+27 16.2	0.285	1.156	118.1	49.3	16.9
1994 11 04	05 28.54	+15 18.2	0.216	1.162	138.4	34.5	15.9
1994 11 14	04 14.14	-04 37.3	0.182	1.155	153.1	22.8	15.2
1994 11 24	02 47.16	-23 55.9	0.203	1.134	132.4	40.0	15.9
1994 12 04	01 38.46	-33 36.6	0.262	1.101	109.3	57.7	16.9
1994 12 14	00 55.50	-37 16.8	0.332	1.053	92.6	69.1	17.6
1994 12 24	00 28.84	-38 45.7	0.400	0.990	79.3	77.4	18.2
1995 01 03	00 09.04	-39 33.5	0.457	0.912	67.5	84.9	18.6
1995 01 13	23 48.62	-40 08.8	0.502	0.816	55.9	93.4	18.9
1995 01 23	23 20.02	-40 18.7	0.537	0.702	43.7	104.5	19.2
1995 02 02	22 36.72	-38 40.2	0.573	0.568	30.1	119.4	19.9

Comet Machholz (1994r)							
$a, e, i = 2.44, 0.53, 8$							
Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1
1994 10 15	08 28.36	+54 54.9	1.608	1.850	87.2	32.6	11.7
1994 10 20	08 15.23	+54 28.4	1.516	1.856	93.0	32.4	11.6
1994 10 25	07 59.09	+53 55.1	1.424	1.864	99.4	31.8	11.5
1994 10 30	07 39.56	+53 08.7	1.334	1.875	106.4	30.5	11.4
1994 11 04	07 16.41	+52 00.9	1.250	1.887	114.2	28.7	11.2
1994 11 09	06 49.86	+50 21.0	1.173	1.901	122.8	26.0	11.1
1994 11 14	06 20.66	+47 57.3	1.107	1.918	132.2	22.5	11.0
1994 11 19	05 50.17	+44 40.9	1.056	1.936	142.5	18.1	11.0
1994 11 24	05 20.10	+40 29.7	1.022	1.955	153.4	13.1	11.0
1994 11 29	04 52.01	+35 32.4	1.010	1.977	164.1	7.8	11.0
1994 12 04	04 27.05	+30 07.3	1.020	2.000	171.5	4.2	11.1
1994 12 09	04 05.73	+24 37.9	1.053	2.025	166.9	6.3	11.2
1994 12 14	03 48.07	+19 25.3	1.108	2.051	157.3	10.7	11.3
1994 12 19	03 33.79	+14 43.4	1.181	2.079	147.5	14.7	11.5
1994 12 24	03 22.45	+10 38.3	1.269	2.108	138.4	18.0	11.8
1994 12 29	03 13.61	+07 10.3	1.369	2.138	130.0	20.6	12.0
1995 01 03	03 06.89	+04 16.5	1.478	2.170	122.4	22.5	12.2
1995 01 08	03 01.92	+01 52.3	1.594	2.202	115.4	23.8	12.4
1995 01 13	02 58.43	-00 06.8	1.714	2.236	108.9	24.6	12.7
1995 01 18	02 56.16	-01 45.4	1.838	2.270	102.9	25.0	12.9
1995 01 23	02 54.92	-03 07.0	1.964	2.306	97.3	25.1	13.1
1995 01 28	02 54.54	-04 14.8	2.090	2.342	92.0	24.9	13.3
1995 02 02	02 54.90	-05 11.3	2.216	2.379	87.1	24.4	13.5
1995 02 07	02 55.89	-05 58.8	2.341	2.417	82.4	23.9	13.7
1995 02 12	02 57.42	-06 39.0	2.464	2.455	77.9	23.2	13.9

(5836) 1993 MF							
$a, e, i = 2.44, 0.53, 8$							
Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1994 10 15	08 29.79	+12 58.3	3.479	3.362	75.0	16.6	20.1
1994 10 25	08 35.11	+12 15.5	3.358	3.392	83.5	16.9	20.1
1994 11 04	08 38.78	+11 36.5	3.233	3.420	92.4	16.8	20.0
1994 11 14	08 40.60	+11 02.6	3.107	3.447	101.7	16.3	19.9
1994 11 24	08 40.42	+10 35.3	2.985	3.473	111.7	15.3	19.8
1994 12 04	08 38.09	+10 15.8	2.873	3.497	122.1	13.8	19.7
1994 12 14	08 33.61	+10 05.4	2.774	3.521	133.1	11.8	19.6
1994 12 24	08 27.10	+10 04.4	2.696	3.543	144.4	9.3	19.4

1995 01 03	08 18.90	+10 12.9	2.644	3.564	155.9	6.5	19.3
1995 01 13	08 09.55	+10 29.7	2.620	3.584	166.4	3.7	19.1
1995 01 23	07 59.77	+10 53.1	2.629	3.602	170.1	2.7	19.1
1995 02 02	07 50.36	+11 20.9	2.670	3.620	162.0	4.8	19.2
1995 02 12	07 42.03	+11 50.5	2.741	3.636	151.0	7.6	19.4
1995 02 22	07 35.37	+12 19.9	2.840	3.651	139.7	10.1	19.6
1995 03 04	07 30.68	+12 47.2	2.962	3.665	128.8	12.2	19.8
1995 03 14	07 28.12	+13 11.4	3.101	3.678	118.3	13.8	20.0
1995 03 24	07 27.65	+13 31.4	3.252	3.690	108.4	14.9	20.1
1995 04 03	07 29.11	+13 46.8	3.411	3.700	98.9	15.5	20.3

1985 UJ		$a, e, i = 2.63, 0.42, 9$				Elements <i>MPC</i> 23512	
Date	TT	α_{2000}	δ_{2000}	Δ	r	Variation	V
1994 10 15	09 15.63	+24 31.9	2.200	2.045	-0.95	+5.0	20.0
1994 10 25	09 31.81	+23 48.7	2.137	2.094	-0.92	+5.5	20.0
1994 11 04	09 45.98	+23 12.3	2.068	2.142	-0.90	+6.0	19.9
1994 11 14	09 57.94	+22 45.8	1.994	2.191	-0.90	+6.5	19.9
1994 11 24	10 07.46	+22 31.6	1.917	2.240	-0.91	+7.1	19.8
1994 12 04	10 14.27	+22 32.1	1.840	2.289	-0.94	+7.7	19.8
1994 12 14	10 18.04	+22 48.6	1.766	2.337	-0.99	+8.3	19.7
1994 12 24	10 18.52	+23 21.1	1.700	2.385	-1.06	+8.9	19.5
1995 01 03	10 15.52	+24 07.7	1.646	2.432	-1.14	+9.4	19.4
1995 01 13	10 09.10	+25 03.2	1.609	2.479	-1.23	+9.7	19.3
1995 01 23	09 59.76	+26 00.4	1.594	2.526	-1.32	+9.7	19.1
1995 02 02	09 48.42	+26 50.4	1.606	2.571	-1.38	+9.4	19.0
1995 02 12	09 36.41	+27 25.6	1.646	2.616	-1.40	+8.7	19.1
1995 02 22	09 25.17	+27 41.6	1.715	2.661	-1.38	+7.9	19.4
1995 03 04	09 15.86	+27 38.1	1.811	2.704	-1.33	+7.1	19.6
1995 03 14	09 09.26	+27 17.3	1.930	2.747	-1.25	+6.3	19.9
1995 03 24	09 05.60	+26 43.1	2.068	2.789	-1.15	+5.7	20.2
1995 04 03	09 04.81	+25 58.7	2.221	2.830	-1.05	+5.2	20.4

1992 AA		$a, e, i = 1.98, 0.39, 8$				Elements <i>MPC</i> 22495	
Date	TT	α_{2000}	δ_{2000}	Δ	r	Variation	V
1994 10 15	09 26.30	+13 40.8	1.301	1.210	-2.36	+3.1	18.8
1994 10 25	10 02.65	+11 48.7	1.279	1.210	-2.26	+4.5	18.7
1994 11 04	10 37.54	+09 47.5	1.262	1.218	-2.13	+5.6	18.7
1994 11 14	11 10.75	+07 43.3	1.246	1.234	-2.01	+6.5	18.7
1994 11 24	11 42.17	+05 41.8	1.231	1.256	-1.88	+7.3	18.7
1994 12 04	12 11.70	+03 48.2	1.215	1.285	-1.77	+7.9	18.7
1994 12 14	12 39.22	+02 06.8	1.196	1.319	-1.67	+8.5	18.7
1994 12 24	13 04.62	+00 41.2	1.174	1.358	-1.59	+9.1	18.7
1995 01 03	13 27.72	-00 25.9	1.147	1.401	-1.54	+9.7	18.7
1995 01 13	13 48.25	-01 12.4	1.116	1.447	-1.52	+10.6	18.7
1995 01 23	14 05.94	-01 36.9	1.081	1.495	-1.52	+11.6	18.7
1995 02 02	14 20.37	-01 38.4	1.043	1.545	-1.57	+12.8	18.6
1995 02 12	14 31.06	-01 16.9	1.003	1.595	-1.66	+14.3	18.5
1995 02 22	14 37.56	-00 33.3	0.964	1.647	-1.80	+15.9	18.4
1995 03 04	14 39.39	+00 30.0	0.929	1.699	-1.97	+17.6	18.3
1995 03 14	14 36.34	+01 47.7	0.903	1.750	-2.18	+19.1	18.1
1995 03 24	14 28.69	+03 11.2	0.890	1.801	-2.38	+20.1	18.0
1995 04 03	14 17.35	+04 29.0	0.895	1.852	-2.52	+20.4	17.9
1995 04 13	14 03.99	+05 28.3	0.921	1.902	-2.58	+19.6	17.8

1995 04 23	13 50.63	+06 00.2	0.971	1.951	-2.53	+18.1	18.0
1995 05 03	13 39.06	+06 01.4	1.044	1.998	-2.38	+16.3	18.4
1995 05 13	13 30.47	+05 33.8	1.137	2.045	-2.18	+14.3	18.7
1995 05 23	13 25.32	+04 43.0	1.248	2.090	-1.95	+12.6	19.1
1995 06 02	13 23.51	+03 34.8	1.375	2.134	-1.74	+11.1	19.4
1995 06 12	13 24.75	+02 14.3	1.512	2.177	-1.55	+9.8	19.7
1995 06 22	13 28.55	+00 45.8	1.659	2.218	-1.38	+8.7	20.0
1995 07 02	13 34.51	-00 47.9	1.811	2.258	-1.23	+7.8	20.2

1991 BB		$a, e, i = 1.19, 0.27, 38$				Elements <i>MPC</i> 21975	
Date	TT	α_{2000}	δ_{2000}	Δ	r	Variation	V
1994 10 15	09 37.03	+25 03.3	1.623	1.480	-0.70	+22.2	19.4
1994 10 25	09 55.95	+21 12.4	1.512	1.463	-0.74	+24.2	19.3
1994 11 04	10 13.82	+16 54.2	1.396	1.444	-0.82	+26.6	19.1
1994 11 14	10 30.72	+12 02.1	1.275	1.421	-0.94	+29.3	18.9
1994 11 24	10 46.82	+06 26.5	1.154	1.394	-1.12	+32.2	18.7
1994 12 04	11 02.28	-00 05.4	1.035	1.365	-1.38	+35.3	18.5
1994 12 14	11 17.27	-07 49.0	0.922	1.332	-1.75	+38.2	18.2
1994 12 24	11 32.16	-17 01.2	0.822	1.296	-2.29	+40.0	18.0
1995 01 03	11 47.55	-27 52.9	0.739	1.258	-3.11	+39.5	17.7
1995 01 13	12 04.61	-40 17.3	0.679	1.217	-4.41	+35.0	17.6
1995 01 23	12 26.37	-53 37.2	0.646	1.175	-6.67	+25.4	17.5
1995 02 02	13 01.64	-66 45.6	0.640	1.131	-11.24	+9.9	17.5
1995 02 12	14 28.7	-78 03.6	0.654	1.086	-21.46	-20.6	17.5
1995 02 22	18 59.8	-82 06.7	0.682	1.042	-2.27	-71.4	17.6
1995 03 04	21 52.0	-75 31.4	0.716	0.999	+11.97	-57.6	17.7

OPPOSITION DATA

Planet	Opposition	α_{2000}	δ_{2000}	V	$\dot{\alpha}$	$\dot{\delta}$	ϕ_{MIN}	<i>MPC</i>
1989 TC ₃	94 09 19.1	23 45.43	-03 00.1	17.8	-0.72	- 6.8	0.4/18.6	21973
1992 FJ ₁	94 09 19.1	23 45.48	+19 31.0	16.8	-0.85	- 1.5	5.4/26.0	21977
4379 T-3	94 09 19.1	23 45.55	-05 02.0	17.4	-0.90	- 8.3	1.3/18.0	22088
1981 ER ₄₀	94 09 19.1	23 45.62	+00 05.5	20.0	-0.90	- 5.5	0.6/19.7	22271
1981 EG ₄₄	94 09 19.2	23 45.79	-06 19.2	17.8	-0.82	- 2.6	1.4/17.7	21968
1978 SE ₁	94 09 19.4	23 46.65	-17 28.7	15.9	-0.83	- 4.2	7.2/14.0	22823
1987 RE ₁	94 09 19.6	23 47.21	+01 29.6	15.0	-0.95	- 0.6	1.5/20.4	23971
(6139)	94 09 19.7	23 47.85	+18 38.8	16.7	-0.86	- 4.7	5.9/26.7	24096
1993 FR ₂	94 09 19.8	23 47.99	-02 26.5	16.7	-0.94	- 7.9	0.4/19.4	22700
1979 MX ₆	94 09 19.9	23 48.58	+10 16.8	16.5	-0.91	- 6.6	4.4/24.0	24116
1981 EE ₁	94 09 19.9	23 48.60	-03 48.2	18.1	-0.87	- 6.5	0.9/19.1	22074
6104 P-L	94 09 20.2	23 49.29	+01 04.9	18.4	-0.71	- 5.7	0.7/21.0	17975
1988 RV ₁₀	94 09 20.4	23 50.06	-03 07.0	17.9	-0.69	- 5.0	0.5/19.7	22969
2025 P-L	94 09 20.5	23 50.62	-01 34.6	16.2	-0.78	- 2.9	0.1/20.4	23866
1988 ED ₁	94 09 20.6	23 51.07	-31 05.1	15.0	-0.94	- 4.2	11.0/09.3	23991
3509 P-L	94 09 20.8	23 51.81	-08 16.0	17.3	-1.79	+ 7.3	3.7/19.8	15903
1993 GO	94 09 20.9	23 52.19	-21 14.1	17.9	-0.97	- 2.9	6.4/14.7	23135
2702 P-L	94 09 21.0	23 52.20	-01 58.3	18.5	-0.70	- 4.4	0.3/20.6	22971
1981 EE ₂₂	94 09 21.0	23 52.25	-03 01.1	19.2	-0.76	- 3.7	0.6/20.3	22271
1991 CL ₃	94 09 21.0	23 52.35	-14 55.8	16.2	-0.88	- 1.2	4.0/16.8	18127
1992 EV ₁₁	94 09 21.0	23 52.51	-06 01.0	17.0	-0.78	- 5.3	1.8/19.3	23979
1992 DL ₇	94 09 21.2	23 52.90	-04 36.1	17.1	-0.77	- 5.3	1.3/19.9	23861
1993 FM ₁₀	94 09 21.3	23 53.40	-05 11.1	17.6	-0.92	- 5.5	1.7/19.9	23522

1990 YA	94 09 21.5	23 54.19	+09 20.9	15.1	-0.75	- 4.7	4.8/24.9	23991	1990 TW ₁₂	94 09 26.9	00 13.77	-14 55.5	16.6	-1.03	- 0.3	6.4/22.3	17965
6586 P-L	94 09 21.7	23 54.70	-03 01.1	17.5	-0.67	-12.4	1.0/20.7	17975	(6128)	94 09 27.0	00 13.90	-04 32.6	16.4	-0.84	- 6.2	2.2/25.0	24094
(6127)	94 09 21.7	23 54.92	-13 35.2	16.4	-0.79	- 9.1	4.5/17.0	24093	1980 FJ ₁	94 09 27.0	00 14.09	+07 57.4	15.8	-0.94	+ 0.3	2.2/29.0	24116
1987 QH ₃	94 09 21.8	23 55.05	+00 04.5	16.1	-1.05	- 1.6	0.3/22.0	24117	1990 TW	94 09 27.1	00 14.41	-19 28.4	14.0	-1.03	+ 1.9	9.4/21.6	24103
1981 EW ₃₉	94 09 21.8	23 55.32	-00 44.5	19.6	-0.83	- 2.3	0.1/21.8	21967	1989 GB ₃	94 09 27.4	00 15.37	+01 20.9	16.1	-0.96	- 3.7	0.1/27.4	23991
2086 T-2	94 09 21.8	23 55.40	+00 47.5	18.1	-0.75	- 3.8	0.3/22.3	22087	4865 P-L	94 09 27.6	00 16.18	-00 34.7	17.0	-1.03	- 5.5	1.0/27.0	23993
(6106)	94 09 22.0	23 55.85	-03 55.0	15.9	-0.72	- 5.2	1.2/20.8	23967	4600 P-L	94 09 27.6	00 16.27	-00 23.7	17.5	-0.72	- 5.0	0.6/27.0	23993
1977 TD ₁	94 09 22.1	23 56.16	+10 54.7	15.5	-0.71	-10.8	4.4/26.5	22073	1991 VX ₃	94 09 27.8	00 16.83	-00 52.9	16.3	-0.99	- 5.7	1.1/27.0	22431
1989 GU ₃	94 09 22.1	23 56.25	+07 09.0	16.5	-0.89	- 6.2	2.9/24.7	17443	3083 P-L	94 09 27.9	00 16.97	+14 04.5	16.8	-0.94	- 6.2	4.5/02.0	22274
2024 P-L	94 09 22.4	23 57.19	+00 20.9	16.9	-1.02	- 4.4	0.2/22.6	22495	1989 GR ₃	94 09 27.9	00 17.37	+08 36.2	17.0	-0.90	- 6.6	2.5/30.3	17443
1979 MO ₄	94 09 22.5	23 57.68	-01 25.1	18.8	-0.77	- 5.7	0.4/22.1	23856	1984 SL ₃	94 09 28.0	00 17.42	-03 48.3	13.6	-1.03	+ 0.9	3.0/26.6	23512
(5687)	94 09 22.6	23 57.93	-16 14.5	14.3	-0.68	- 7.9	5.7/16.4	22583	1981 EQ ₁₀	94 09 28.1	00 18.01	+07 13.2	17.9	-0.97	- 5.0	2.2/29.8	24099
1993 HL ₆	94 09 22.6	23 58.03	+07 35.8	16.7	-0.94	- 8.8	2.8/25.3	23539	9508 P-L	94 09 28.1	00 18.01	-01 37.6	17.8	-0.71	- 4.6	0.9/27.0	22432
1993 FR ₃	94 09 22.6	23 58.11	+05 01.3	16.2	-0.85	- 8.4	2.0/24.5	23521	1988 BL ₅	94 09 28.1	00 18.07	+24 12.8	17.2	-0.95	- 3.6	8.7/05.6	19501
4113 P-L	94 09 22.6	23 58.19	+01 11.8	17.7	-0.89	- 6.5	0.5/23.1	22086	1981 EL ₄₁	94 09 28.2	00 18.19	+02 07.3	19.6	-0.84	- 2.3	0.0/28.3	22697
(6137)	94 09 22.9	23 59.01	+10 33.8	15.4	-0.86	- 1.2	3.2/26.1	24096	1990 QC ₁	94 09 28.2	00 18.32	+15 24.4	15.9	-1.02	- 4.7	4.8/02.6	24118
1978 VE ₁₁	94 09 22.9	23 59.18	+10 27.6	17.8	-0.95	- 7.3	4.1/26.5	20628	1992 BZ	94 09 28.2	00 18.34	-03 25.8	16.5	-0.92	- 5.5	2.0/26.5	22085
1990 QY ₂	94 09 22.9	23 59.33	-00 06.6	16.4	-0.91	- 4.6	0.0/23.0	22082	1990 VD ₆	94 09 28.2	00 18.47	-03 14.8	16.3	-0.75	- 8.4	1.8/26.4	22231
(6136)	94 09 23.2	00 00.22	-11 49.0	15.5	-0.71	- 6.9	3.5/18.9	24095	(6074)	94 09 28.5	00 19.50	+05 40.0	15.2	-0.83	- 5.7	1.7/29.8	23960
1973 AW ₃	94 09 23.2	00 00.30	-11 50.2	16.2	-0.84	- 4.1	3.7/19.4	21963	1990 TE ₈	94 09 28.6	00 19.80	-02 01.5	16.8	-0.85	- 4.8	1.4/27.3	24118
1988 CK ₄	94 09 23.2	00 00.38	+20 16.7	16.7	-0.93	- 3.9	7.0/30.2	22951	(6115)	94 09 28.9	00 20.70	+11 01.0	15.6	-0.98	- 2.9	4.3/01.5	24090
1990 SZ	94 09 23.3	00 00.42	+05 12.5	15.5	-1.06	- 0.3	2.2/24.7	24103	2304 T-2	94 09 28.9	00 20.88	-00 33.1	18.5	-0.78	- 4.3	0.9/28.1	22701
(6082)	94 09 23.3	00 00.72	+10 09.7	15.6	-0.89	- 4.9	4.0/26.7	23962	1979 OG ₈	94 09 29.0	00 20.96	-43 47.7	17.6	-0.18	-10.2	32.5/24.0	23856
4157 T-3	94 09 23.4	00 01.18	-02 48.9	18.1	-0.90	- 8.5	1.1/22.5	19884	1994 RC ₁₁	94 09 29.1	00 21.61	+00 56.4	16.0	-0.76	- 4.5	0.5/28.7	24113
1990 QW ₁	94 09 23.6	00 01.60	+03 22.6	16.2	-0.97	- 3.2	1.3/24.6	22082	6543 P-L	94 09 29.5	00 22.84	-01 04.0	16.0	-0.75	- 4.5	1.2/28.4	21978
1978 VW ₂	94 09 23.7	00 01.99	-01 40.8	18.7	-0.71	- 4.9	0.5/23.1	19291	1993 GN ₁	94 09 29.5	00 22.85	+09 32.3	18.1	-0.98	- 6.8	2.6/01.8	22595
6607 P-L	94 09 23.8	00 02.23	-04 28.0	18.0	-0.88	- 6.6	1.6/22.2	22087	1981 ER ₃₁	94 09 29.5	00 23.16	-01 04.7	19.0	-0.87	- 7.2	1.2/28.4	23990
1983 OD	94 09 23.8	00 02.39	-22 50.3	15.6	-0.59	-11.0	10.8/13.5	24117	1971 TY ₂	94 09 29.6	00 23.53	+18 07.7	15.7	-0.88	- 4.4	5.4/04.7	24116
1978 VP ₁	94 09 24.0	00 03.22	+08 42.0	17.4	-0.73	- 5.5	2.7/27.0	19856	1981 SE ₇	94 09 29.7	00 23.80	-08 25.9	15.4	-0.88	- 3.4	4.3/26.4	20922
1977 QY ₃	94 09 24.0	00 03.36	-13 17.5	15.1	-0.94	- 5.1	6.3/19.8	23868	(5625)	94 09 29.8	00 23.84	-01 46.9	14.8	-0.66	-12.3	1.7/28.1	22394
6670 P-L	94 09 24.3	00 04.01	-00 41.8	18.6	-0.89	- 4.4	0.4/23.9	23791	1988 CT ₅	94 09 29.9	00 24.63	+22 54.2	15.4	-1.07	- 1.0	8.3/06.2	24117
1990 WS ₄	94 09 24.4	00 04.52	-01 38.5	16.6	-0.78	- 6.4	0.8/23.7	23790	(6101)	94 09 30.0	00 24.92	+04 03.4	16.5	-0.93	- 8.4	0.5/30.5	23966
1994 RC ₁	94 09 24.6	00 05.50	+03 44.0	15.5	-0.64	- 8.9	1.1/25.9	24113	1986 JA	94 09 30.1	00 25.20	-06 50.1	16.5	-0.85	-10.2	3.6/26.7	22077
1992 ED ₁₁	94 09 24.7	00 05.83	+04 00.2	16.5	-0.97	- 2.1	1.3/25.8	23992	1991 VF ₅	94 09 30.3	00 25.76	-05 39.4	16.0	-0.90	- 9.1	3.5/27.4	23992
1979 MR ₂	94 09 24.8	00 05.89	+01 53.1	16.7	-0.78	- 5.6	0.4/25.2	23969	4075 P-L	94 09 30.4	00 26.10	+03 42.8	17.9	-0.92	- 5.6	0.4/30.7	22701
(5559)	94 09 24.9	00 06.17	-21 22.2	14.9	-0.98	- 3.6	9.1/18.1	22046	1990 SF ₁₁	94 09 30.7	00 27.26	+05 53.7	16.5	-0.92	- 5.4	1.1/01.7	24118
1993 KB ₂	94 09 24.9	00 06.46	-01 57.6	15.0	-0.67	-10.0	0.8/23.9	23790	1990 MR	94 09 30.7	00 27.51	+13 46.4	17.7	-0.96	- 7.9	4.0/04.5	21974
1991 CX ₅	94 09 25.0	00 06.64	-13 39.3	16.7	-0.75	- 5.1	4.0/20.0	21942	1993 KL	94 10 01.0	00 28.57	-27 59.4	17.8	-1.22	+ 0.9	10.1/22.8	23992
1990 UG ₃	94 09 25.1	00 07.11	-11 16.7	15.5	-0.93	- 3.5	5.5/21.3	24118	(5569)	94 10 01.0	00 28.58	+05 32.9	16.2	-1.00	- 3.8	1.0/01.8	22204
1980 TS ₄	94 09 25.2	00 07.30	-02 36.5	13.8	-0.97	- 4.4	1.6/24.2	22074	3109 T-3	94 10 01.1	00 28.52	+03 10.3	18.3	-0.71	- 4.5	0.0/01.1	22088
1992 EC ₁	94 09 25.3	00 07.61	+06 37.2	19.3	-0.79	-11.7	1.7/27.5	20342	1991 VN ₁	94 10 01.1	00 28.55	-07 22.9	15.9	-0.97	- 6.6	4.2/27.7	22084
1991 BH ₂	94 09 25.6	00 09.10	+08 02.3	16.3	-0.85	- 2.2	2.2/27.8	24118	1981 UD ₂	94 10 01.1	00 28.69	+18 10.5	15.9	-0.74	- 9.6	5.8/07.0	24116
4026 P-L	94 09 25.7	00 09.31	+02 14.5	17.0	-1.01	- 1.5	0.4/26.1	18830	1993 FV ₁₂	94 10 01.1	00 28.77	-03 43.3	18.0	-0.79	- 9.5	2.3/28.7	23523
1990 SN ₄	94 09 25.8	00 09.52	+03 44.6	15.0	-1.07	- 0.4	1.1/26.5	23991	1988 BH ₅	94 10 01.1	00 28.87	+21 35.0	17.7	-0.88	- 5.8	5.8/07.6	22079
1991 RK ₇	94 09 25.8	00 09.52	+08 37.6	17.3	-1.03	- 6.1	3.1/28.3	20640	(6145)	94 10 01.2	00 29.30	+00 10.6	16.3	-0.93	- 3.7	1.4/30.4	24098
(6132)	94 09 25.9	00 10.08	+03 23.8	16.2	-0.95	- 4.8	0.9/26.7	24094	1212 T-2	94 10 01.3	00 29.59	+06 04.3	15.8	-0.69	- 8.5	1.0/02.4	23993
1991 CR ₁	94 09 25.9	00 10.17	-10 48.7	16.8	-0.73	- 5.3	3.6/21.8	20507	1990 OS ₁	94 10 01.4	00 29.88	+04 38.0	17.3	-1.05	- 3.1	0.5/01.9	23537
(5763)	94 09 26.0	00 10.42	+01 00.6	16.7	-0.89	- 5.9	0.0/26.0	22801	1991 AF ₁	94 10 01.5	00 30.12	+18 00.1	16.8	-0.83	- 3.7	4.6/06.4	24118
(6119)	94 09 26.2	00 10.95	+21 35.4	16.8	-0.88	- 5.0	7.3/03.2	24092	(5845)	94 10 01.6	00 30.62	+15 44.9	17.0	-0.78	- 4.1	3.6/05.8	23117
1970 OB	94 09 26.6	00 12.63	-09 00.4	15.4	-0.97	- 4.3	4.9/23.5	21963	1978 VZ ₂	94 10 01.6	00 30.68	+00 42.8	17.6	-0.88	- 5.3	0.9/30.8	23787
6625 P-L	94 09 26.7	00 12.82	-02 16.3	16.7	-0.89	- 6.6	1.4/25.5	23532	1983 EV	94 10 01.7	00 30.88	+02 57.7	16.9	-0.85	- 4.3	0.1/01.6	22075

1991 DS	94 10 02.1	00 32.24	+00 00.5	16.5	-0.73	- 4.9	1.0/31.0	21975
1993 JX	94 10 02.2	00 32.55	+09 05.2	18.0	-0.92	- 7.8	2.1/04.0	22958
1989 EY ₂	94 10 02.4	00 33.58	+13 36.6	15.8	-0.90	- 8.2	4.3/06.0	24117
1989 WU ₂	94 10 02.4	00 33.60	-01 33.5	16.3	-0.77	- 4.5	1.8/30.8	24118
5141 T-2	94 10 02.7	00 34.52	+18 52.3	17.0	-0.84	- 3.7	4.9/07.8	20517
4247 P-L	94 10 02.7	00 34.55	+05 46.6	18.5	-0.91	- 6.0	0.7/03.4	23791
1980 FR ₁	94 10 02.7	00 34.64	+08 04.9	15.6	-0.78	- 3.8	1.5/04.2	23990
4015 P-L	94 10 03.1	00 35.93	+07 05.2	16.5	-0.92	- 5.3	1.4/04.2	24120
1993 HR ₁	94 10 03.2	00 36.56	-01 13.0	18.0	-0.92	- 5.9	1.8/01.7	23980
2127 T-1	94 10 03.4	00 36.92	+00 35.1	16.1	-0.94	- 6.1	1.7/02.3	21122
(6089)	94 10 03.4	00 37.03	-05 46.3	15.4	-0.89	- 7.2	4.6/30.1	23964
1990 VE ₁	94 10 03.5	00 37.25	-17 02.2	15.7	-0.71	- 9.1	8.5/25.2	23789
1979 DF	94 10 03.5	00 37.49	-07 48.4	17.0	-0.95	- 2.1	3.6/30.1	18105
2064 P-L	94 10 03.8	00 38.58	+09 23.8	18.0	-0.74	- 4.4	1.4/05.6	22700
1988 FF	94 10 03.9	00 38.71	-10 28.0	16.1	-0.85	- 3.8	4.7/29.3	22493
3424 T-3	94 10 04.0	00 39.22	+01 43.7	18.2	-0.83	- 6.1	0.9/03.2	19331
1992 FP	94 10 04.0	00 39.23	+02 15.1	17.4	-0.72	- 4.3	0.5/03.4	22600
4355 T-1	94 10 04.1	00 39.42	-02 08.0	15.2	-0.81	- 7.8	2.9/01.9	23987
(6118)	94 10 04.1	00 39.73	-02 03.5	16.5	-0.90	- 5.9	2.4/02.2	24091
1981 QK ₃	94 10 04.1	00 39.81	+15 30.3	16.4	-1.06	- 0.2	4.5/07.2	23857
1993 FV ₃₂	94 10 04.2	00 39.99	-01 11.4	15.0	-0.83	- 6.2	2.6/02.4	23526
5482 T-2	94 10 04.2	00 40.20	+17 16.7	16.4	-1.04	- 3.5	6.1/08.3	15259
1993 FX ₂₅	94 10 04.3	00 40.32	+09 16.1	17.6	-1.01	- 4.6	2.0/05.8	24108
1984 WM ₁	94 10 04.3	00 40.39	+11 44.2	16.5	-1.06	- 3.6	3.1/06.5	22076
1993 MA ₁	94 10 04.4	00 40.79	-07 09.2	15.9	-0.90	- 2.8	3.9/01.1	24119
1992 FB	94 10 04.5	00 41.06	-11 02.9	14.7	-0.87	- 1.7	5.4/29.9	22085
1010 T-2	94 10 04.5	00 41.13	+07 33.7	16.5	-0.71	- 7.0	0.9/05.7	22495
1993 KD	94 10 04.5	00 41.19	+06 32.7	18.1	-0.86	- 9.4	0.7/05.3	23981
1992 AO	94 10 04.6	00 41.63	-31 27.5	15.1	-0.85	- 8.1	13.8/19.0	23869
1992 FW ₁	94 10 04.8	00 42.33	+04 48.7	17.0	-0.81	-19.9	0.1/05.0	22600
1983 RQ ₃	94 10 04.9	00 42.31	+12 03.0	15.4	-0.94	- 2.7	3.8/07.2	23668
1990 TB ₄	94 10 05.0	00 42.71	+06 53.0	17.0	-0.88	- 5.5	0.8/05.7	17642
(5586)	94 10 05.1	00 43.25	+01 22.5	16.3	-0.90	- 6.9	1.1/04.1	22211
1981 EX ₄	94 10 05.3	00 43.89	+13 13.3	16.3	-0.67	-11.5	2.7/08.7	24116
1975 TC ₆	94 10 05.3	00 43.89	+01 06.9	16.2	-1.00	- 3.2	1.2/04.3	21963
1988 CH ₃	94 10 05.3	00 44.05	+25 51.0	17.9	-0.93	- 4.5	6.4/12.5	13468
(6129)	94 10 05.5	00 44.69	+14 58.6	16.0	-0.84	- 4.8	2.9/09.0	24094
1993 MZ	94 10 05.6	00 44.89	+17 13.6	16.1	-1.08	+ 0.5	5.2/09.0	24109
(6133)	94 10 05.6	00 45.23	+06 53.3	15.9	-0.90	- 7.0	0.8/06.3	24095
1987 SO	94 10 05.7	00 45.57	+16 45.6	13.0	-0.95	- 6.2	5.8/09.8	22078
1989 BG	94 10 05.9	00 46.02	+14 52.2	15.9	-1.07	- 3.7	3.9/09.0	24117
1932 CP	94 10 05.9	00 46.07	+02 28.9	16.4	-1.08	- 3.2	0.9/05.2	24115
1979 MC ₂	94 10 05.9	00 46.38	+05 09.0	16.7	-0.79	- 5.8	0.1/06.1	22967
1989 SL ₁₂	94 10 06.0	00 46.34	+06 15.1	16.8	-0.82	- 5.0	0.4/06.4	21973
1991 YX	94 10 06.0	00 46.54	-05 39.6	16.0	-0.84	- 7.9	4.9/02.3	19870
(5560)	94 10 06.0	00 46.55	-04 30.1	16.3	-1.00	- 4.6	3.7/03.2	22046
4114 T-1	94 10 06.0	00 46.66	+00 08.1	18.0	-0.95	- 5.4	1.7/04.6	22432
1981 JB ₂	94 10 06.1	00 46.85	-06 47.9	16.2	-0.82	- 1.9	3.4/02.6	20142
2155 T-2	94 10 06.2	00 47.49	+04 00.7	17.2	-0.92	- 7.8	0.4/05.9	23540
1986 XT	94 10 06.5	00 48.30	+07 43.1	15.0	-0.79	- 1.3	1.3/07.3	24117
1993 JL	94 10 06.5	00 48.59	-18 47.8	15.7	-0.95	- 2.2	8.0/29.4	22412

1979 EL	94 10 06.7	00 48.90	-22 20.0	15.2	-0.91	- 2.7	10.7/27.2	22073
1988 DJ ₁	94 10 06.7	00 48.93	-02 07.4	15.7	-0.82	- 8.1	3.2/04.1	21971
4214 T-1	94 10 06.8	00 49.30	+00 37.6	18.5	-0.84	- 6.6	1.6/05.3	19880
3025 T-2	94 10 07.0	00 50.20	+00 12.9	16.4	-0.83	- 5.9	2.5/05.4	15257
1991 XZ	94 10 07.1	00 50.69	+11 12.8	16.3	-1.05	- 4.6	2.3/08.9	19684
1971 SB	94 10 07.2	00 50.79	+27 39.5	15.9	-2.09	+13.6	12.5/09.1	22049
1990 QM	94 10 07.2	00 50.90	+02 33.3	16.1	-0.91	- 6.9	1.1/06.3	24118
1981 EW ₁₇	94 10 07.2	00 51.05	+06 59.1	17.3	-0.91	- 6.7	0.6/07.8	22270
1983 LL	94 10 07.3	00 51.09	+15 04.0	16.6	-0.98	- 6.6	3.9/10.4	23536
1993 OF ₉	94 10 07.3	00 51.17	+19 15.6	17.5	-0.82	- 4.0	4.0/11.8	22959
1987 UQ ₃	94 10 07.5	00 52.00	-06 49.8	15.7	-0.96	- 3.5	5.6/03.9	24117
4129 T-2	94 10 07.5	00 52.17	+02 58.4	17.1	-1.02	- 4.2	1.0/06.8	22701
1974 FJ	94 10 07.6	00 52.42	+08 45.0	17.5	-0.98	- 4.4	1.1/08.6	21963
(5676)	94 10 07.9	00 53.64	+11 54.0	14.5	-0.68	-14.9	2.6/10.5	22581
1985 XS	94 10 08.0	00 53.78	+03 39.6	16.5	-0.79	- 5.8	0.7/07.3	21970
1987 SR ₁₂	94 10 08.5	00 55.64	+03 26.3	16.2	-0.92	- 8.3	1.1/07.7	21971
1981 EY ₁₃	94 10 08.7	00 56.31	+09 26.5	18.7	-0.71	- 7.6	1.1/09.9	20328
(5630)	94 10 08.8	00 56.73	+04 56.5	16.0	-0.97	- 7.4	0.4/08.5	22396
1978 VR ₄	94 10 08.9	00 57.30	+10 24.7	16.3	-0.97	- 8.1	1.8/10.4	23787
4817 P-L	94 10 09.0	00 57.61	+03 05.6	18.2	-0.82	- 9.5	1.2/08.0	15904
1977 DB ₁	94 10 09.4	00 59.04	+01 47.3	17.8	-0.93	- 6.7	1.7/08.0	23787
1992 GZ ₄	94 10 09.7	01 00.13	+03 06.5	17.2	-0.76	- 4.3	1.0/08.7	21581
3535 P-L	94 10 09.8	01 00.46	+20 26.9	16.1	-1.10	- 2.8	4.9/14.0	24120
1978 EN ₁₀	94 10 09.9	01 00.62	+11 44.4	16.8	-1.03	- 3.6	2.0/11.4	24116
1993 HY	94 10 10.2	01 01.90	-02 12.5	16.4	-0.90	- 4.8	3.2/07.6	24119
1986 CE ₂	94 10 10.4	01 02.80	+09 46.3	16.5	-1.10	- 3.6	1.3/11.3	24117
2808 P-L	94 10 10.6	01 03.30	+05 42.6	18.0	-0.92	- 6.6	0.4/10.3	21977
1993 FY ₂₇	94 10 10.6	01 03.36	+10 45.9	16.4	-0.97	- 5.9	1.8/11.9	23526
2577 P-L	94 10 10.8	01 04.07	+07 18.2	17.7	-0.95	- 5.6	0.2/11.0	21977
(5602)	94 10 11.0	01 04.82	-01 51.2	16.3	-1.00	- 6.6	3.5/08.4	22217
1993 FY ₅₅	94 10 11.1	01 05.30	+00 59.6	17.6	-0.97	- 3.6	2.3/09.5	23675
(6073)	94 10 11.1	01 05.40	+11 59.1	15.4	-0.81	- 9.6	1.7/13.0	23960
1982 UE ₁₂	94 10 11.4	01 06.20	+21 07.5	16.3	-1.03	- 2.7	5.3/15.5	24116
1992 FB ₁	94 10 11.4	01 06.54	-05 51.0	16.6	-0.77	- 8.2	4.0/06.9	22487
1988 RB ₁₁	94 10 11.5	01 06.63	+06 08.2	17.2	-0.75	- 4.9	0.3/11.2	22079
1978 VY ₃	94 10 11.6	01 06.89	+13 11.3	17.4	-0.86	- 5.9	2.5/13.6	23856
1991 XK	94 10 11.7	01 07.66	+12 58.6	16.8	-0.98	- 7.5	2.2/13.6	20511
1981 EJ ₃₅	94 10 11.8	01 07.93	+02 41.3	20.0	-0.91	- 7.8	1.7/10.4	22271
3398 T-3	94 10 12.1	01 08.71	+03 51.6	16.3	-0.92	- 6.9	1.6/11.0	24120
1990 TK ₃	94 10 12.2	01 09.47	-02 14.9	14.9	-1.20	+ 4.4	4.3/10.4	24118
(6084)	94 10 12.3	01 09.43	-29 59.1	14.9	-0.60	-14.5	16.0/24.0	23962
1978 VT ₄	94 10 12.3	01 09.85	+06 41.8	17.9	-0.78	- 4.3	0.2/12.2	15404
4098 T-1	94 10 12.8	01 11.67	+04 14.5	15.7	-1.08	- 1.3	1.5/12.0	24120
1991 VB ₃	94 10 13.0	01 12.17	+16 01.2	15.8	-0.98	- 7.9	3.5/15.7	24119
5170 T-3	94 10 13.1	01 12.43	-04 18.9	17.4	-0.80	- 6.8	3.6/09.1	23792
1990 VN ₁	94 10 13.2	01 13.20	-00 02.0	15.5	-0.97	- 1.3	3.1/11.2	24103
1101 T-2	94 10 13.3	01 13.36	+09 16.4	16.7	-0.80	- 4.5	0.5/13.8	23987
1990 SK ₂₈	94 10 13.3	01 13.51	+10 35.1	15.3	-0.91	- 4.0	1.2/14.2	24103
1992 EZ ₉	94 10 13.4	01 13.58	+05 03.6	16.5	-0.82	- 6.5	0.9/12.5	23862
1991 YF	94 10 13.4	01 13.65	+23 46.2	16.7	-1.02	- 5.0	5.5/18.4	24119
1281 T-2	94 10 13.4	01 13.74	+05 45.9	16.8	-0.78	-11.2	0.8/12.7	22087

1979 QM ₁	94 10 13.6	01 14.30	+07 38.9	15.6	-0.81	- 5.3	0.1/13.5	22429
1981 EW ₁₃	94 10 13.7	01 15.04	+10 54.0	18.2	-0.93	- 5.8	1.1/14.7	22696
1978 VZ ₆	94 10 14.1	01 16.33	+10 00.1	18.3	-0.76	- 5.0	0.6/14.8	23968
(6112)	94 10 14.2	01 16.47	+12 03.4	15.5	-0.67	-11.4	1.4/15.7	24090
1981 EB ₃₁	94 10 14.3	01 17.14	+02 38.6	19.2	-0.73	- 5.7	1.5/12.6	15704
1981 FP	94 10 14.6	01 17.94	+06 54.2	19.1	-0.90	- 6.2	0.4/14.2	22697
4630 P-L	94 10 14.6	01 18.21	+10 37.7	15.4	-1.02	- 1.3	1.1/15.3	24114
1990 TJ	94 10 14.7	01 18.43	+02 52.8	16.3	-0.94	- 3.5	2.1/13.2	23789
1990 QJ ₄	94 10 15.0	01 19.47	+05 13.5	16.8	-0.94	- 6.4	1.2/14.0	23514
1981 ET ₂₂	94 10 15.1	01 19.81	+07 57.7	16.6	-0.99	- 4.6	0.2/15.0	23788
1985 CY ₁	94 10 15.1	01 20.12	-03 27.9	19.3	-0.73	- 6.6	3.2/11.1	18425
1990 QP ₁	94 10 15.3	01 20.71	+12 07.7	16.3	-0.99	- 5.3	1.4/16.4	23991
1978 WU	94 10 15.5	01 21.30	+19 00.0	17.3	-0.79	- 9.8	4.4/19.3	19012
4298 T-1	94 10 15.5	01 21.46	+03 02.2	17.7	-0.94	- 6.1	2.2/13.9	23540
1988 RD ₁₁	94 10 15.5	01 21.48	+10 29.2	17.4	-0.78	- 3.9	0.5/16.1	20815
1991 VW ₃	94 10 15.5	01 21.68	+10 10.7	14.9	-0.93	- 6.6	0.8/16.1	24106
1986 GZ	94 10 15.6	01 21.82	+06 40.5	16.9	-0.69	-24.0	0.8/14.8	22271
1982 FC	94 10 15.6	01 21.83	+07 26.6	17.0	-1.08	- 2.4	0.4/15.3	22492
1993 LS ₁	94 10 15.6	01 22.00	+32 45.0	16.7	-1.05	- 4.3	9.5/23.9	24109
9511 P-L	94 10 15.8	01 22.80	+07 50.6	17.5	-0.75	- 4.6	0.2/15.6	22827
1990 QZ ₁	94 10 16.1	01 23.62	+17 07.2	16.4	-1.06	- 2.8	3.3/18.4	19679
1978 VK ₃	94 10 16.2	01 23.94	+14 37.8	17.7	-0.88	- 6.2	1.9/18.0	21965
1989 TT ₁₁	94 10 16.3	01 24.62	+08 52.9	15.8	-0.80	- 5.4	0.0/16.4	24118
1985 CV ₁	94 10 16.4	01 24.86	+07 50.6	17.7	-0.74	- 4.0	0.3/16.1	23132
6742 P-L	94 10 16.5	01 25.10	+04 13.5	18.3	-0.97	- 5.1	2.2/15.1	20347
1993 KM	94 10 16.6	01 25.69	-04 05.0	18.0	-0.72	- 7.5	3.4/12.3	23992
1991 CS ₁	94 10 16.7	01 26.11	+06 14.8	17.5	-0.75	- 4.7	0.8/15.9	22405
1990 QC ₈	94 10 16.7	01 26.15	+00 47.7	18.0	-0.94	- 6.6	2.9/14.2	21974
1990 WP ₄	94 10 16.9	01 26.52	-06 16.5	17.4	-0.85	- 3.3	4.7/12.4	18435
1993 HL	94 10 16.9	01 26.61	-01 51.1	14.4	-1.07	+ 2.2	5.7/14.6	24119
1992 EW ₉	94 10 17.1	01 27.46	-11 09.6	14.5	-0.75	- 9.1	7.9/09.7	23862
1989 SD ₁	94 10 17.4	01 28.40	+03 35.8	16.9	-0.81	- 4.5	1.8/15.7	24118
1986 JD	94 10 17.4	01 28.83	-06 31.7	17.4	-0.98	- 4.1	5.9/13.1	22271
1988 CL ₂	94 10 17.5	01 28.88	-02 20.9	15.9	-0.82	- 5.2	5.4/13.9	22079
1981 UR ₂₇	94 10 17.7	01 29.67	+14 05.3	15.5	-1.00	- 1.7	1.5/19.0	24100
1990 QL ₃	94 10 17.9	01 30.44	+15 56.0	16.7	-1.04	- 3.4	2.7/19.7	24118
1981 DE	94 10 18.1	01 31.24	+16 06.6	16.1	-0.91	- 7.6	2.7/20.3	24116
4197 T-3	94 10 18.1	01 31.27	+03 11.6	16.6	-0.91	- 3.3	2.5/16.4	23989
5140 T-2	94 10 18.1	01 31.38	+23 28.0	15.7	-0.83	- 5.3	4.3/22.7	24120
1991 DT	94 10 18.2	01 31.51	+05 41.6	16.9	-0.76	- 4.3	1.1/17.0	22431
1981 EC ₁₀	94 10 18.3	01 31.73	+10 42.0	19.1	-0.73	- 5.9	0.3/18.7	22429
2203 T-3	94 10 18.3	01 32.11	+12 46.6	17.9	-0.71	- 7.3	0.9/19.4	22702
(6126)	94 10 18.4	01 32.13	+09 47.8	14.7	-1.03	- 3.6	0.1/18.5	24093
1993 OV ₁₀	94 10 18.5	01 32.84	+12 10.4	18.1	-0.67	- 4.3	0.7/19.4	22959
1992 JP	94 10 18.6	01 33.22	-14 25.3	16.6	-0.71	- 4.3	6.4/10.7	22600
1990 WN ₂	94 10 18.6	01 33.31	-12 49.2	16.2	-0.97	- 0.9	8.5/12.4	20022
1977 RF ₂	94 10 18.6	01 33.32	+15 13.8	16.0	-1.11	- 3.6	2.5/20.2	24116
(6117)	94 10 18.7	01 33.43	+21 20.9	15.9	-1.03	- 4.7	4.7/22.1	24091
2116 T-2	94 10 19.1	01 34.93	+09 33.3	17.4	-1.01	- 5.6	0.1/19.0	23987
1981 EF ₂	94 10 19.4	01 36.02	+21 39.4	16.7	-1.00	- 5.1	4.4/22.9	22074
(6077)	94 10 19.4	01 36.06	+10 15.6	15.5	-0.90	- 3.2	0.1/19.5	23961

1981 EP ₃₈	94 10 19.4	01 36.17	+06 29.9	18.8	-0.72	- 7.8	1.1/18.3	21967
1986 SC ₂	94 10 19.7	01 37.32	+18 15.1	16.1	-0.90	-10.1	3.0/22.5	22430
3300 T-1	94 10 19.9	01 37.74	+14 29.8	16.7	-1.08	- 5.4	2.0/21.1	22701
1981 ER ₃₅	94 10 19.9	01 38.12	+23 46.7	17.7	-0.84	- 4.7	4.7/24.2	22823
(5579)	94 10 20.1	01 38.52	-36 03.5	16.5	-1.47	+10.2	23.2/12.9	22208
1938 DM ₁	94 10 20.1	01 38.60	+15 26.2	16.4	-1.04	- 3.7	1.9/21.5	21963
1983 XW	94 10 20.1	01 38.93	+10 10.3	15.5	-0.77	- 4.2	0.0/20.2	24117
1990 OK ₃	94 10 20.3	01 39.25	+03 59.4	16.4	-0.90	- 5.2	2.9/18.5	24102
1988 RD ₅	94 10 20.3	01 39.46	+08 48.4	15.7	-0.79	- 3.7	0.5/19.9	24117
1978 VW ₈	94 10 20.3	01 39.64	+06 44.3	16.3	-0.79	- 3.9	1.3/19.3	23968
1975 RA ₂	94 10 20.5	01 40.09	+11 49.0	14.1	-1.60	+10.1	0.7/20.7	24116
1993 HQ ₁	94 10 20.5	01 40.51	+26 18.5	17.9	-1.62	+ 3.2	7.2/23.5	23539
2121 P-L	94 10 20.6	01 40.77	+21 29.4	18.1	-1.19	+ 2.6	4.8/22.9	22432
1128 T-3	94 10 20.7	01 40.88	+25 19.8	17.7	-0.94	- 1.4	4.7/24.9	22432
1991 YG	94 10 20.8	01 41.27	+14 21.9	16.1	-1.00	- 7.5	1.5/22.0	20511
1990 TM ₇	94 10 20.8	01 41.52	+09 57.0	14.9	-1.03	- 1.9	0.2/20.7	24118
2208 P-L	94 10 20.9	01 41.76	+13 18.3	18.0	-0.82	- 7.7	1.2/21.8	22432
1988 ST ₂	94 10 21.0	01 42.13	+07 41.6	16.9	-0.78	- 3.9	0.9/20.2	19864
1966 CM	94 10 21.0	01 42.16	-08 13.0	16.8	-0.81	- 6.9	6.1/14.8	16227
7604 P-L	94 10 21.0	01 42.19	+04 28.2	16.8	-0.96	- 4.4	2.3/19.4	24120
1992 AB ₁	94 10 21.1	01 42.50	+18 15.1	16.2	-0.96	- 7.5	3.1/23.5	22084
1990 UO ₁	94 10 21.2	01 42.99	+00 37.9	15.8	-0.84	- 5.1	4.3/18.3	24103
1981 EO ₂₁	94 10 21.5	01 44.19	+14 14.3	16.8	-0.88	- 4.4	1.7/22.6	22598
1978 TO ₈	94 10 21.8	01 45.28	+11 03.0	15.3	-0.78	- 4.8	0.1/21.9	24116
1986 QR ₁	94 10 22.1	01 46.27	+15 44.5	17.1	-1.02	- 4.0	1.8/23.5	17819
1988 PZ ₁	94 10 22.1	01 46.31	+11 02.2	16.4	-0.79	- 4.2	0.0/22.2	21971
1971 UN	94 10 22.2	01 46.62	+08 23.0	15.3	-1.08	+ 0.1	1.2/21.7	24116
5200 T-2	94 10 22.3	01 46.87	+23 09.1	17.4	-0.85	- 4.2	3.6/26.0	21978
(5685)	94 10 22.5	01 47.58	+22 18.7	16.0	-0.87	- 5.3	3.4/25.9	22583
2785 P-L	94 10 22.6	01 48.00	+07 33.4	18.3	-0.89	- 4.4	1.4/21.6	16034
1989 SR ₂	94 10 22.6	01 48.22	+05 51.7	17.3	-0.82	- 4.2	1.8/21.1	22969
1971 UD ₁	94 10 22.7	01 48.52	+07 53.5	16.0	-0.97	- 4.9	1.6/21.8	24116
1982 US ₆	94 10 22.8	01 49.03	+06 07.3	15.7	-1.01	- 0.2	2.3/21.7	24116
1980 VG	94 10 22.8	01 49.16	+26 19.9	15.5	-0.95	- 3.2	6.3/27.4	20010
2666 P-L	94 10 22.9	01 49.09	+03 31.8	17.5	-0.58	- 7.8	3.9/20.2	16034
2768 P-L	94 10 22.9	01 49.33	+06 46.2	18.6	-0.88	- 5.0	1.4/21.7	15902
(5945)	94 10 23.3	01 50.75	+12 46.7	14.9	-1.12	- 2.7	11.5/13.0	23501
3100 T-1	94 10 23.4	01 50.99	+11 44.1	15.9	-0.83	- 8.9	0.1/23.5	22087
1990 QQ	94 10 23.4	01 51.01	+27 00.6	17.2	-1.10	- 5.2	5.4/28.0	21974
1981 EN ₁₆	94 10 23.5	01 51.41	+23 05.2	20.3	-1.04	- 4.1	3.9/26.7	21967
1981 EE ₄₆	94 10 23.5	01 51.43	+19 04.2	18.9	-0.84	- 4.2	2.5/25.8	22430
1981 EC ₁₄	94 10 23.5	01 51.43	+18 05.8	19.4	-0.99	- 4.8	2.4/25.4	22270
1990 RR ₂	94 10 23.5	01 51.50	+07 52.2	15.4	-0.82	- 8.9	1.5/22.4	22600
1981 EX ₃₈	94 10 23.7	01 52.34	+23 02.8	17.5	-0.98	- 7.1	4.4/27.4	21967
1989 WN ₁	94 10 23.7	01 52.54	+01 50.9	16.2	-0.89	- 1.1	3.4/21.4	18294
(6108)	94 10 23.7	01 52.58	+16 29.0	16.0	-1.03	- 7.3	2.3/25.3	24089
1983 WF ₁	94 10 23.8	01 52.59	-26 37.2	15.1	-0.86	+ 3.9	15.9/13.5	22430
1981 QV ₂	94 10 23.9	01 53.14	-04 30.5	16.0	-0.83	- 5.2	6.4/19.1	23788
1991 GE ₉	94 10 24.0	01 53.44	+08 04.3	16.6	-0.79	- 4.4	1.2/23.0	22431
9073 P-L	94 10 24.0	01 53.51	+17 41.2	16.6	-0.84	- 3.1	2.1/25.8	24120
2110 P-L	94 10 24.0	01 53.55	+15 06.7	17.9	-0.92	- 5.1	1.3/25.1	22700

1989 SW ₂	94 10 24.1	01 53.69	+04 28.7	17.9	-0.82	- 3.6	2.0/22.1	20017
1990 RE ₂	94 10 24.1	01 53.77	+09 42.3	15.6	-0.80	- 7.4	0.9/23.5	24118
1976 GD ₂	94 10 24.1	01 53.77	+09 50.1	16.6	-0.96	- 8.7	0.7/23.6	22429
1982 JD ₁	94 10 24.2	01 54.41	+12 51.5	17.3	-0.93	- 8.3	0.4/24.6	22492
1978 VJ ₈	94 10 24.4	01 55.04	+11 14.1	18.0	-0.76	- 4.4	0.2/24.3	22429
1983 XG	94 10 24.5	01 55.18	+11 31.7	15.4	-0.74	- 6.1	0.1/24.4	24117
1989 GC ₁	94 10 24.9	01 56.73	+17 13.3	17.1	-0.97	- 5.5	2.1/26.4	22080
1988 FM	94 10 25.0	01 57.08	+18 55.2	17.0	-1.07	- 1.2	2.3/26.7	19863
1990 TO ₄	94 10 25.1	01 57.67	-03 59.0	17.4	-0.98	- 1.7	6.5/21.0	21974
1078 T-3	94 10 25.2	01 58.13	+21 52.1	17.9	-0.87	- 9.3	3.3/28.5	22702
1979 YN	94 10 25.3	01 58.32	-06 08.3	17.3	-0.78	- 3.8	5.7/19.9	22429
6297 P-L	94 10 25.5	01 59.03	+27 34.4	19.4	-1.17	+ 0.4	5.9/29.1	16035
1992 AO ₂	94 10 25.5	01 59.34	-02 03.1	18.3	-0.93	- 4.6	4.8/21.6	23783
1988 RW ₃	94 10 25.6	01 59.55	+12 39.4	18.0	-0.80	- 3.8	0.1/25.8	21972
1984 DQ	94 10 25.6	01 59.58	+27 50.1	18.6	-1.02	- 3.5	4.6/30.0	22076
1991 AC	94 10 25.9	02 00.57	+10 12.8	16.4	-0.85	- 3.7	0.7/25.3	17830
(6092)	94 10 25.9	02 00.69	-07 29.3	15.7	-0.88	- 3.7	9.4/20.5	23964
(5547)	94 10 26.0	02 01.14	+21 30.7	16.4	-0.88	- 7.9	2.9/28.9	22041
1993 FB ₁₈	94 10 26.4	02 02.66	+04 41.2	16.0	-1.04	- 3.9	3.3/24.5	23523
1992 DZ ₂	94 10 26.4	02 02.88	+11 40.1	16.7	-0.97	- 4.6	0.3/26.3	23790
1982 DC ₂	94 10 26.8	02 04.26	+06 08.8	17.9	-0.99	- 6.9	2.5/25.0	17432
2574 P-L	94 10 27.0	02 04.85	+27 26.2	17.9	-1.08	+ 1.3	4.6/30.3	22086
5174 T-3	94 10 27.1	02 05.55	-02 44.7	17.7	-0.78	- 2.1	4.0/23.1	23686
(6140)	94 10 27.3	02 06.03	+01 10.2	15.4	-0.94	- 3.9	5.3/24.3	24096
1981 GP	94 10 27.3	02 06.08	+33 56.1	15.6	-1.81	+11.0	10.5/28.9	24116
1989 TZ ₁₅	94 10 27.3	02 06.22	+21 52.6	17.0	-0.94	- 2.9	2.8/29.8	20636
1992 EX ₁₇	94 10 27.4	02 06.36	+08 10.2	14.8	-0.82	-10.6	2.1/25.9	23992
1978 VV ₉	94 10 27.4	02 06.47	+15 55.8	16.8	-0.77	- 4.3	0.8/28.3	22696
1990 UG ₄	94 10 27.7	02 07.57	+05 43.7	16.9	-0.84	- 9.0	2.4/25.5	17965
1993 KQ	94 10 27.7	02 07.86	-01 30.5	17.4	-1.01	- 3.6	4.9/24.1	22413
1981 EF ₄₅	94 10 27.8	02 07.86	+11 56.1	19.8	-0.78	- 3.7	0.3/27.5	21968
4636 P-L	94 10 27.9	02 08.48	+21 37.7	18.2	-0.92	- 1.0	2.6/30.1	22701
1296 T-2	94 10 28.1	02 09.13	+10 28.4	18.4	-0.90	- 5.1	0.8/27.4	22597
4831 P-L	94 10 28.2	02 09.67	+23 02.3	17.8	-1.15	+ 0.3	3.8/30.4	22432
1989 EM	94 10 28.2	02 09.67	+15 15.4	17.0	-0.99	- 5.2	0.7/29.0	18116
1981 EL ₂₀	94 10 28.3	02 09.96	+24 48.3	18.6	-0.90	- 2.8	3.6/31.5	15407
1990 KX	94 10 28.4	02 10.55	+03 35.4	16.3	-1.06	- 4.2	3.9/26.1	22053
(5655)	94 10 28.5	02 10.63	+04 52.0	16.5	-0.82	- 9.4	2.8/25.9	22481
3289 T-2	94 10 28.5	02 10.64	+02 28.1	16.7	-0.76	- 6.0	3.3/25.3	22701
1977 AW ₂	94 10 28.5	02 10.70	+17 39.5	16.2	-0.91	- 3.7	1.6/29.7	18413
2796 P-L	94 10 28.6	02 10.94	+06 42.6	17.7	-0.81	- 4.8	3.0/26.8	15902
1978 VG ₅	94 10 28.8	02 11.79	+14 05.3	16.8	-0.81	- 4.1	7.4/09.0	23245
5148 T-2	94 10 28.8	02 11.80	+27 08.8	16.3	-1.05	- 5.3	6.7/01.9	24120
1982 FA	94 10 28.9	02 12.32	+11 19.9	17.0	-1.05	- 4.9	0.7/28.4	22075
1989 FA	94 10 29.0	02 12.52	+07 00.5	16.3	-1.00	- 6.0	2.6/27.3	19864
1979 QB ₁₀	94 10 29.0	02 12.60	+15 45.6	16.1	-1.02	- 4.6	1.1/29.7	24116
1985 PT	94 10 29.1	02 13.16	-09 21.2	16.0	-0.82	- 4.4	9.2/22.7	23779
1981 EC ₂₆	94 10 29.2	02 13.30	+14 13.2	20.0	-0.98	- 4.6	0.3/29.4	21967
1975 NC	94 10 29.2	02 13.45	+20 44.0	17.2	-0.89	- 5.5	2.3/31.3	21782
1985 QH ₅	94 10 29.3	02 13.69	+11 02.2	15.5	-0.83	- 5.5	1.1/28.6	22076
1981 ES ₈	94 10 29.3	02 13.96	+11 12.7	16.0	-0.75	- 7.7	0.8/28.7	24116

1494 T-2	94 10 29.4	02 14.18	+11 48.2	19.2	-0.93	- 4.3	0.6/29.0	23867
1981 EO ₁₉	94 10 29.7	02 15.36	+05 47.1	17.3	-0.76	- 6.5	2.6/27.4	22270
1971 RA	94 10 29.9	02 16.02	+05 42.0	15.9	-1.09	- 2.6	3.7/28.1	24116
1988 LE	94 10 29.9	02 16.19	-06 48.6	17.4	-0.90	- 2.0	6.4/24.8	22400
1980 FY	94 10 30.1	02 16.84	+17 12.4	16.6	-1.10	- 5.3	1.5/31.0	22074
4806 P-L	94 10 30.4	02 18.14	+10 07.2	18.6	-0.90	- 5.2	1.3/29.5	22701
1993 KY ₁	94 10 30.5	02 18.62	+05 41.4	17.3	-0.99	- 5.1	3.0/28.4	22495
1987 UU ₄	94 10 30.6	02 18.69	+11 13.3	15.5	-1.12	- 1.1	1.2/30.0	22079
1979 WX ₃	94 10 30.6	02 18.79	+09 48.8	15.3	-0.90	- 4.4	1.9/29.6	24116
1980 RD ₁	94 10 30.6	02 18.97	+20 33.8	15.5	-0.91	- 4.9	2.6/01.5	24116
1991 GH ₁₁	94 10 31.1	02 20.77	+10 26.0	18.6	-0.81	- 4.3	1.1/30.2	20638
1981 EU ₁₈	94 10 31.1	02 20.81	+13 46.4	18.2	-0.81	- 4.0	0.1/31.1	22968
6245 P-L	94 10 31.2	02 21.20	+05 53.8	18.4	-0.84	- 8.1	2.7/28.8	22701
1992 EM ₁₈	94 10 31.3	02 21.77	+12 15.0	17.7	-0.87	- 7.1	0.7/30.8	24106
2582 P-L	94 10 31.5	02 22.52	+15 02.8	18.3	-1.00	- 2.5	0.4/31.8	24114
(5568)	94 10 31.8	02 23.46	+09 08.7	15.8	-1.07	- 3.2	2.3/30.6	22203
1988 SW ₂	94 10 31.8	02 23.65	+13 11.0	16.1	-0.83	- 3.3	0.4/31.6	24117
1984 SB ₁	94 10 31.8	02 23.85	+23 20.0	16.1	-1.20	- 3.1	4.2/03.1	24117
1991 FF	94 10 31.9	02 23.92	+38 38.0	18.1	-0.99	- 1.4	6.7/07.4	22700
1992 EB ₇	94 10 31.9	02 24.16	+05 13.5	17.2	-0.92	- 2.9	3.1/29.8	23783
1076 T-3	94 11 01.1	02 24.52	+29 05.0	15.7	-1.05	- 5.0	7.3/05.2	24120
1990 KB ₁	94 11 01.3	02 25.36	-04 38.9	15.5	-1.05	- 2.9	7.9/28.0	24118
(5452)	94 11 01.5	02 26.27	+24 45.5	16.7	-1.13	- 5.7	3.7/04.2	21765
1988 DE ₂	94 11 01.7	02 27.24	+09 41.9	16.6	-1.00	- 4.2	1.8/31.6	23789
1982 UM ₂	94 11 01.9	02 27.66	+10 48.1	16.3	-0.90	- 5.2	1.6/31.9	22492
1977 FT	94 11 02.0	02 28.25	+10 51.4	15.4	-0.90	-26.0	1.8/31.6	24116
4511 P-L	94 11 02.0	02 28.45	+04 43.4	19.0	-0.87	- 7.1	4.9/30.2	15904
1989 CV	94 11 02.0	02 28.47	+16 24.4	17.2	-0.67	- 2.4	0.4/02.6	22699
1973 RF	94 11 02.1	02 28.85	+32 30.3	15.4	-1.28	+ 2.1	7.4/05.7	24116
(5711)	94 11 02.2	02 29.07	+18 40.2	16.4	-0.72	- 2.3	1.0/03.3	22671
1990 KO	94 11 02.3	02 29.29	+25 57.4	16.1	-1.05	-18.1	4.4/06.3	24102
6053 P-L	94 11 02.3	02 29.38	+13 56.6	17.7	-0.93	- 5.8	0.3/02.1	22701
1981 EH ₃	94 11 02.4	02 29.89	+23 54.8	17.5	-0.96	- 7.8	3.8/05.1	21966
6012 P-L	94 11 02.5	02 30.10	+17 06.1	18.7	-0.80	- 4.9	0.7/03.0	16035
1978 SN ₇	94 11 02.9	02 31.72	+15 00.6	16.0	-0.78	- 7.5	8.3/14.0	21964
1990 QH ₁	94 11 02.9	02 31.73	+23 40.2	16.3	-1.10	- 3.4	3.6/05.0	24118
1985 RH	94 11 02.9	02 31.81	+32 33.4	17.3	-1.12	- 2.0	5.6/07.2	22076
1982 VB ₄	94 11 02.9	02 31.89	+12 51.7	17.1	-1.00	- 3.2	0.8/02.5	21103
(6125)	94 11 03.0	02 32.02	+12 21.5	15.0	-1.01	- 5.1	1.2/02.4	24093
1977 DS ₄	94 11 03.0	02 32.24	+14 53.4	16.8	-0.89	- 3.1	0.0/03.0	22807
1978 VZ ₇	94 11 03.6	02 34.50	+15 39.9	18.0	-0.86	- 3.7	0.2/03.8	22270
6608 P-L	94 11 03.9	02 35.95	+22 07.0	17.3	-0.94	+ 1.8	3.6/05.3	22432
1983 TR ₂	94 11 04.0	02 36.14	+24 04.1	15.9	-1.05	+ 0.1	3.0/05.9	24117
1987 RV ₃	94 11 04.1	02 36.51	+15 03.0	16.4	-1.02	- 7.3	0.1/04.1	23536
1990 RN ₃	94 11 04.1	02 36.78	+09 17.5	16.8	-0.98	- 6.1	2.2/02.7	22494
1991 BM ₁	94 11 04.2	02 36.99	+12 38.3	16.9	-0.85	- 4.5	0.9/03.6	23781
(5471)	94 11 04.2	02 37.04	+22 03.4	16.1	-0.83	- 6.1	2.0/06.2	21772
1993 HW ₁	94 11 04.2	02 37.04	+02 38.7	16.6	-1.10	- 1.1	4.6/01.7	22489
1986 PX ₄	94 11 04.3	02 37.13	+15 52.1	15.4	-1.01	- 3.9	0.2/04.4	24117
1985 DC ₁	94 11 04.6	02 38.60	+14 35.9	17.7	-0.77	- 3.7	0.2/04.4	23246
1990 SK ₈	94 11 04.9	02 39.51	+07 20.9	17.9	-0.93	- 2.7	3.9/03.0	23859

(5697)	94 11 04.9	02 39.79	+00 05.3	16.7	-0.73	- 5.4	4.4/31.7	22585
1981 EY ₁₀	94 11 05.1	02 40.58	+14 21.4	16.6	-0.94	- 6.3	0.5/04.8	24116
1989 GH ₄	94 11 05.2	02 40.83	+22 49.0	17.3	-1.11	- 3.3	2.9/06.9	22699
3236 T-2	94 11 05.3	02 41.53	+16 33.3	16.5	-1.13	- 2.4	0.3/05.6	22088
1989 GF ₁	94 11 05.4	02 41.57	+22 06.7	16.5	-1.12	- 3.8	2.7/06.9	19864
1990 WE ₂	94 11 05.4	02 41.85	+08 25.1	16.5	-0.89	- 8.5	2.5/03.4	22404
3220 T-3	94 11 05.5	02 42.03	+14 41.3	18.0	-0.79	- 3.8	0.3/05.3	22088
1991 FH	94 11 06.0	02 44.10	+08 27.7	17.9	-0.73	- 7.5	2.0/03.9	18826
1993 JJ	94 11 06.0	02 44.11	+08 24.1	15.9	-1.06	- 2.4	3.3/04.5	24119
1993 GD ₁	94 11 06.1	02 44.64	+10 22.7	17.1	-1.10	- 2.7	2.1/05.0	23863
(5573)	94 11 06.2	02 44.67	+03 29.6	17.1	-0.91	- 6.2	4.2/03.0	22205
1971 SN ₂	94 11 06.2	02 44.88	+13 29.4	15.7	-0.83	- 3.1	0.8/05.7	22491
1990 VS ₄	94 11 06.2	02 44.94	+09 48.9	16.9	-0.85	-10.4	2.5/04.4	18434
1173 T-2	94 11 06.4	02 45.51	+26 46.4	18.7	-0.98	- 1.5	3.7/08.8	22701
4854 T-1	94 11 06.4	02 45.56	+19 51.4	17.6	-0.94	- 1.0	1.2/07.2	19881
1992 BM	94 11 06.4	02 45.66	+26 13.9	16.1	-1.12	- 1.4	5.1/08.6	21977
1990 QZ ₈	94 11 06.5	02 46.09	+09 40.3	17.3	-1.00	- 4.4	2.8/05.0	21974
1980 GO	94 11 06.8	02 47.45	+13 35.1	17.8	-0.78	- 3.6	0.7/06.3	23347
(6147)	94 11 06.9	02 47.46	+19 34.9	15.6	-0.92	-10.1	1.3/08.0	24098
1993 FA ₄₅	94 11 07.0	02 47.85	+20 28.7	17.8	-1.13	- 3.7	1.6/08.0	23528
1993 OS ₁₀	94 11 07.0	02 47.88	+21 11.1	17.2	-0.92	- 5.0	1.7/08.3	23676
1979 SS	94 11 07.0	02 47.94	+28 03.0	16.3	-1.12	- 3.4	5.3/09.8	21965
1989 SE ₂	94 11 07.1	02 48.45	+11 44.8	17.0	-0.90	- 2.6	1.4/06.1	24101
1991 PN ₁₀	94 11 07.1	02 48.69	-18 41.5	17.0	-1.03	- 9.1	15.0/27.0	22055
1971 BD ₃	94 11 07.2	02 48.83	+19 10.6	15.3	-0.91	- 6.2	1.3/08.0	24116
(5627)	94 11 07.2	02 49.06	-19 21.8	16.9	-1.65	+11.1	17.5/04.9	22394
4127 P-L	94 11 07.5	02 50.08	+16 22.6	17.9	-0.83	- 3.8	0.0/07.6	22086
6837 P-L	94 11 07.7	02 50.94	+12 46.2	18.8	-0.89	- 2.9	1.3/06.9	15905
3226 T-3	94 11 07.9	02 51.45	+21 13.5	16.7	-1.13	+ 1.3	2.0/08.7	22088
1993 HT ₁	94 11 07.9	02 51.70	+12 52.9	16.7	-1.07	- 6.6	1.4/07.1	22410
9099 P-L	94 11 08.0	02 51.87	+04 25.6	18.3	-0.75	- 5.8	3.6/04.8	16036
1976 SA	94 11 08.0	02 51.96	+07 22.4	16.3	-0.87	- 4.9	3.4/05.8	22429
3538 P-L	94 11 08.0	02 52.29	+25 15.9	16.3	-1.00	- 6.6	4.5/10.4	24120
6573 P-L	94 11 08.1	02 52.51	+10 28.0	17.0	-0.93	- 3.9	2.2/06.7	22971
1988 RE ₂	94 11 08.4	02 53.56	+13 17.2	16.1	-0.82	- 3.3	1.2/07.6	22969
1990 TM ₅	94 11 08.5	02 53.96	+20 25.0	17.1	-1.01	- 7.6	1.6/09.5	22082
1980 TE ₄	94 11 08.6	02 54.32	+19 13.1	16.7	-0.99	- 3.6	0.9/09.2	13056
6612 P-L	94 11 08.6	02 54.63	+11 09.9	17.7	-0.92	- 4.9	2.1/07.4	18303
1989 GR ₄	94 11 08.7	02 54.93	+11 50.9	17.1	-1.02	- 6.4	2.1/07.6	20334
1993 PB ₇	94 11 08.8	02 55.19	+16 07.7	17.8	-0.79	- 3.5	0.2/08.7	24110
(5662)	94 11 09.0	02 55.90	+29 43.1	16.7	-0.92	- 3.9	4.0/12.2	22578
1992 FK ₁	94 11 09.1	02 56.63	+44 47.2	17.6	-1.33	- 9.4	11.1/17.2	21580
4203 T-3	94 11 09.1	02 56.68	+03 41.7	18.5	-0.86	- 6.9	4.3/05.7	22702
1990 WU ₅	94 11 09.2	02 56.83	+09 42.8	17.8	-0.93	- 3.9	2.7/07.6	22826
1988 RM ₇	94 11 09.2	02 56.89	+18 47.1	18.6	-0.86	- 3.8	0.6/09.7	22969
1991 AX ₁	94 11 09.5	02 57.93	+12 09.6	15.9	-0.87	- 3.5	1.6/08.4	22494
2678 P-L	94 11 09.6	02 58.28	+13 22.5	18.9	-1.02	- 4.1	1.4/08.8	22086
1991 GB ₃	94 11 09.6	02 58.47	+17 28.5	17.7	-0.80	- 3.2	0.1/09.8	23349
1992 HK ₁	94 11 09.7	02 58.90	+17 32.3	17.0	-0.90	- 2.9	0.2/09.9	20933
1991 GM ₉	94 11 09.9	02 59.53	+13 57.5	17.8	-0.79	- 3.3	0.8/09.2	24104
1993 KP	94 11 10.1	03 00.51	+13 08.8	17.3	-1.00	- 5.1	1.4/09.2	22827

1991 FN ₂	94 11 10.2	03 00.70	+11 33.1	17.0	-0.83	- 4.0	1.8/08.9	23976
1989 TJ ₁	94 11 10.2	03 00.88	+19 56.7	16.2	-0.92	- 3.9	1.0/10.9	22969
1980 FF ₁₂	94 11 10.2	03 00.92	+21 29.0	17.6	-1.17	- 4.0	1.8/11.2	22270
4077 P-L	94 11 10.3	03 01.20	+19 26.5	17.2	-1.05	- 4.3	0.9/10.8	23791
1993 RX ₃	94 11 10.3	03 01.47	+36 31.1	15.9	-0.91	- 4.8	5.5/15.6	24119
1979 QX ₂	94 11 10.4	03 01.99	+21 58.0	17.6	-1.11	- 4.3	1.8/11.6	17955
1982 UC ₁₁	94 11 10.5	03 02.18	+19 04.5	16.3	-0.91	- 6.4	0.9/11.0	21969
1979 ML ₁	94 11 10.6	03 02.50	+25 28.8	16.7	-1.07	- 6.8	3.4/13.0	21965
1981 EQ ₄₃	94 11 10.9	03 04.01	+16 03.7	20.5	-1.00	- 4.5	0.4/10.7	22697
1991 YH	94 11 11.0	03 04.08	+21 31.0	15.3	-1.18	- 0.6	1.9/11.8	24119
1978 VD ₅	94 11 11.0	03 04.17	+15 56.9	18.2	-0.84	- 3.8	0.5/10.7	22429
4192 T-1	94 11 11.1	03 04.44	+16 14.0	16.8	-1.09	- 2.3	0.5/10.9	22432
1990 VQ ₅	94 11 11.2	03 04.98	+03 13.9	17.9	-0.91	- 3.4	4.9/08.1	20022
1992 GA	94 11 11.3	03 05.45	+35 25.0	18.2	-1.08	- 4.0	5.9/15.6	22700
1993 JF	94 11 11.4	03 06.01	+20 08.2	15.6	-1.08	- 6.8	1.1/12.1	24119
1988 CC ₂	94 11 11.5	03 06.15	+26 20.8	14.7	-1.01	- 4.2	4.3/13.6	24117
4882 P-L	94 11 11.6	03 06.79	+25 43.2	18.7	-1.09	- 1.0	2.9/13.2	21978
1993 FX ₇₇	94 11 11.7	03 06.95	+18 53.7	17.1	-1.12	- 5.6	0.5/12.0	24109
1988 CX ₃	94 11 11.8	03 07.46	+20 07.1	16.2	-0.98	- 6.9	1.1/12.5	17635
1992 AF ₁	94 11 11.8	03 07.59	+21 18.3	15.5	-1.14	- 1.4	1.7/12.6	24119
1981 EB ₂₃	94 11 11.9	03 07.74	+19 48.3	16.0	-1.06	- 2.6	1.0/12.4	21967
1975 UE	94 11 11.9	03 08.08	+14 32.9	16.4	-1.02	- 4.8	1.3/11.3	22072
1990 RW ₃	94 11 12.0	03 08.44	+18 13.5	15.7	-1.07	- 3.2	0.3/12.2	24118
1981 EZ ₃₂	94 11 12.1	03 08.78	+08 12.5	18.4	-0.80	- 6.0	3.1/09.8	22271
1992 DF ₁	94 11 12.2	03 08.94	-32 08.6	16.8	-0.51	- 3.1	26.1/24.0	23978
2527 P-L	94 11 12.4	03 09.75	-00 43.3	15.9	-0.67	- 8.7	7.5/07.0	24120
1981 EG ₃₄	94 11 12.5	03 10.04	+09 53.3	19.0	-0.92	- 7.2	3.3/10.6	23857
1990 SK ₆	94 11 12.5	03 10.11	+22 26.3	17.0	-1.15	- 1.3	1.8/13.4	19866
1990 VY ₂	94 11 12.7	03 11.02	+23 15.2	15.1	-1.07	- 2.7	2.3/13.9	24118
2053 T-3	94 11 12.7	03 11.18	+21 59.1	18.0	-0.85	- 4.3	1.3/13.7	22491
1975 SE ₂	94 11 12.7	03 11.24	+20 05.4	17.5	-1.12	+ 0.1	1.0/13.2	22072
2799 P-L	94 11 12.8	03 11.36	-13 47.1	18.5	-0.76	- 9.1	10.7/03.3	22495
(6054)	94 11 13.0	03 12.34	+19 53.2	17.1	-1.04	- 5.0	0.8/13.5	23776
1990 QB ₆	94 11 13.2	03 12.89	+35 58.3	16.6	-1.34	- 1.3	7.3/16.9	22229
5332 T-2	94 11 13.3	03 13.67	+20 11.4	18.3	-0.84	- 6.7	0.7/13.9	20517
(5694)	94 11 13.4	03 13.96	+16 56.1	16.5	-0.93	- 8.4	0.4/13.2	22585
1988 CT ₂	94 11 13.5	03 14.22	+13 17.0	17.5	-1.00	- 3.5	1.7/12.6	22079
1977 VL ₁	94 11 14.0	03 16.17	+18 23.0	15.3	-1.02	+ 0.4	0.1/14.1	24116
1976 YR ₁	94 11 14.0	03 16.54	+11 45.5	16.0	-1.07	- 1.1	2.9/12.9	22491
1992 EJ ₂₄	94 11 14.2	03 17.08	-03 08.9	16.3	-0.87	- 0.1	10.9/10.3	23979
1986 JC	94 11 14.3	03 17.63	+07 21.1	17.5	-1.08	- 1.8	4.0/12.4	22430
1992 HZ ₃	94 11 14.4	03 18.11	+20 53.1	17.0	-0.94	- 2.9	0.8/15.0	22085
6513 P-L	94 11 14.5	03 18.43	+33 51.2	18.3	-1.14	- 1.5	5.0/17.6	23786
1988 RW ₁₀	94 11 15.0	03 20.32	+19 07.6	17.9	-0.87	- 3.2	0.3/15.2	22825
1993 JH	94 11 15.0	03 20.74	+19 09.8	17.3	-1.07	- 2.7	0.3/15.2	22495
1980 KD	94 11 15.2	03 21.48	+06 10.5	16.9	-0.75	- 2.7	3.1/12.7	21965
1990 QN ₂	94 11 15.3	03 21.73	+30 15.3	17.1	-1.20	- 2.9	4.8/18.0	18121
1993 OA ₄	94 11 15.4	03 21.98	+13 44.1	18.1	-0.89	- 2.9	1.7/14.5	22958
1990 QB ₂	94 11 15.5	03 22.28	+15 11.6	16.5	-1.06	- 4.3	1.4/14.8	22229
6555 P-L	94 11 15.5	03 22.32	+13 57.8	16.3	-0.89	- 3.0	1.5/14.6	22601
1980 VX ₁	94 11 15.5	03 22.42	+29 28.0	15.9	-1.04	- 0.7	4.7/17.5	22967

1990 ON ₂	94 11 15.5	03 22.48	+22 56.3	16.7	-1.15	- 3.2	1.8/16.4	22592	1983 VN ₇	94 11 22.7	03 52.52	+17 29.8	16.2	-0.87	- 2.6	1.0/22.3	22824
1983 YK	94 11 15.6	03 22.96	+04 48.8	17.2	-0.75	- 3.5	4.0/12.6	23348	1981 EY ₄₂	94 11 22.9	03 53.30	+19 46.6	20.4	-1.05	- 3.4	8.7/03.0	21968
1981 EO ₂₂	94 11 15.6	03 23.07	+19 32.4	20.5	-1.03	- 4.0	0.3/15.9	22697	1990 BK	94 11 23.0	03 53.51	+18 18.1	15.8	-0.87	- 1.6	0.7/22.7	22082
(5700)	94 11 16.0	03 24.70	-00 17.5	17.4	-0.90	- 4.2	6.4/12.1	22586	1981 EG ₂₇	94 11 23.0	03 53.78	+23 33.5	19.3	-0.90	- 2.8	1.0/23.6	21967
4528 P-L	94 11 16.2	03 25.41	+15 40.9	16.7	-0.96	- 4.9	1.4/15.6	18131	1976 GL ₈	94 11 23.1	03 54.34	+25 33.7	16.2	-1.02	- 4.7	1.7/24.2	22696
2777 P-L	94 11 16.3	03 25.94	+14 14.2	17.6	-1.01	- 3.9	1.6/15.5	22601	1989 LT	94 11 23.4	03 55.36	+22 42.3	17.1	-1.08	- 2.9	0.8/23.8	22485
1981 EV ₁₈	94 11 16.4	03 26.05	+15 57.8	18.8	-0.83	- 4.0	0.8/15.8	22492	1989 YB ₆	94 11 23.6	03 56.31	+01 13.3	17.8	-0.81	- 1.0	5.4/20.5	18817
1990 OV	94 11 16.5	03 26.58	+14 06.4	16.8	-1.05	- 6.5	1.9/15.5	22402	1984 HR ₁	94 11 23.7	03 56.45	+24 26.5	16.5	-1.04	- 1.6	1.3/24.3	23788
1990 QM ₄	94 11 16.5	03 26.68	+10 01.6	17.2	-1.05	- 3.5	3.3/14.9	22600	1992 HA ₄	94 11 24.3	03 59.18	+20 42.4	17.9	-0.95	- 2.8	0.1/24.4	22594
(5633)	94 11 16.7	03 27.42	+20 33.9	16.5	-1.15	- 5.2	0.7/17.1	22476	(5484)	94 11 24.3	03 59.46	+25 50.8	15.3	-1.26	+ 2.5	2.2/24.9	21778
1981 EJ ₂₅	94 11 16.7	03 27.49	+15 48.2	20.7	-1.00	- 4.1	1.0/16.1	22697	1978 SP ₄	94 11 24.5	03 59.99	+32 47.8	15.9	-1.06	+ 0.2	4.3/26.2	24116
1993 OM ₁₀	94 11 16.9	03 28.07	+16 22.4	17.5	-0.84	- 3.1	0.9/16.4	22959	1981 ET ₈	94 11 24.7	04 00.67	+17 31.3	17.7	-1.04	- 4.4	1.2/24.2	23535
4611 P-L	94 11 16.9	03 28.18	+35 37.6	17.0	-1.32	+ 1.1	6.9/19.3	22086	1980 FW ₂	94 11 24.7	04 01.04	+21 04.8	18.2	-0.84	- 2.4	0.1/24.8	23787
1981 EK ₃₅	94 11 17.0	03 28.75	+19 51.2	17.6	-0.89	- 3.4	0.3/17.2	22682	1942 CG	94 11 24.8	04 01.37	+10 27.0	14.6	-1.03	+ 1.4	4.5/23.7	22598
(5480)	94 11 17.2	03 29.51	+09 52.6	15.9	-0.81	- 2.2	2.6/15.5	21776	1988 PX ₂	94 11 24.9	04 01.89	+06 26.3	16.5	-0.82	- 4.0	4.9/22.4	23133
1990 OF ₂	94 11 17.5	03 30.77	+27 45.0	17.1	-1.19	- 2.8	4.0/19.2	20018	1983 AD	94 11 25.0	04 02.24	+17 26.9	15.9	-1.10	+ 1.4	1.3/24.7	21969
1978 PW ₃	94 11 17.7	03 31.65	+09 14.1	17.3	-0.98	- 4.3	3.8/15.8	22429	1990 VL ₂	94 11 25.1	04 02.38	+14 56.6	16.0	-1.00	- 2.1	2.5/24.2	22970
1989 YO ₅	94 11 17.7	03 31.85	+16 43.9	16.8	-0.82	- 2.4	0.7/17.3	22970	1992 DA	94 11 25.1	04 02.75	+24 17.3	16.7	-1.16	- 1.9	1.4/25.7	22495
1991 AA ₁	94 11 18.0	03 32.62	+14 57.5	16.2	-0.95	- 1.4	1.6/17.3	17832	1980 UL ₁	94 11 25.4	04 03.75	+19 30.4	15.9	-0.95	- 5.7	0.4/25.2	22696
1981 GO ₁	94 11 18.0	03 32.98	+22 09.9	17.1	-1.11	- 2.9	1.2/18.6	24100	1993 SG ₅	94 11 25.8	04 05.35	+17 58.7	17.4	-0.86	- 2.2	0.9/25.4	23342
1992 DA ₆	94 11 18.1	03 33.10	+16 09.2	16.8	-1.03	- 3.6	1.1/17.5	23861	1979 KQ	94 11 25.8	04 05.59	+13 11.5	17.6	-0.94	- 3.2	2.7/24.6	20141
1990 SL	94 11 18.1	03 33.45	+00 40.8	16.8	-1.33	+ 6.4	7.4/17.0	22431	1990 SW	94 11 25.9	04 05.96	+12 20.6	16.7	-1.03	- 5.5	3.3/24.5	19305
(5692)	94 11 18.2	03 33.71	+05 08.1	16.7	-0.87	- 4.8	4.3/15.3	22584	(5647)	94 11 26.1	04 06.89	+18 25.7	12.4	-0.99	-22.8	1.2/25.4	22479
1989 GP ₄	94 11 18.3	03 33.98	+13 31.2	17.7	-1.02	- 5.8	2.2/17.1	22431	4327 T-3	94 11 26.2	04 07.32	+22 56.4	18.0	-1.09	+ 0.3	0.7/26.5	22702
2541 P-L	94 11 18.3	03 34.10	+20 05.7	17.0	-1.07	- 3.1	0.4/18.5	21977	1969 GC	94 11 26.3	04 07.79	+32 29.6	16.2	-0.93	- 3.8	3.4/28.4	24099
1980 PF	94 11 18.3	03 34.33	+34 10.3	16.6	-1.24	- 5.4	6.4/21.6	21966	1987 SB ₃	94 11 26.4	04 08.22	+27 04.0	17.4	-1.28	- 0.2	2.8/27.2	18112
1981 RB ₂	94 11 18.6	03 35.43	+26 05.8	16.6	-1.02	- 7.9	2.4/20.3	22492	1985 QX ₄	94 11 26.7	04 09.25	+10 06.4	16.5	-0.68	- 2.4	2.7/24.9	22824
1993 MS ₁	94 11 18.8	03 36.20	+17 08.3	15.6	-0.97	- 7.0	0.8/18.4	24119	4226 P-L	94 11 26.8	04 10.11	+22 05.7	18.0	-1.09	- 3.7	0.4/27.1	16439
(6121)	94 11 19.0	03 36.96	+18 00.6	15.0	-1.03	- 6.1	0.7/18.8	24092	1989 OL	94 11 27.0	04 10.67	+27 45.1	17.6	-1.18	+ 1.3	2.4/28.0	22825
6328 P-L	94 11 19.2	03 37.73	+23 03.4	18.1	-1.03	- 2.6	1.3/19.9	22087	1990 OT ₃	94 11 27.2	04 11.74	+27 12.5	15.5	-1.21	- 3.9	2.6/28.2	22494
7633 P-L	94 11 19.4	03 38.44	+15 19.7	17.3	-0.91	- 2.4	1.4/18.7	22495	1982 FG ₃	94 11 27.4	04 12.35	+24 12.0	14.5	-1.08	- 3.5	1.5/27.9	22430
1982 YQ	94 11 19.5	03 38.92	+06 45.8	16.9	-1.02	+ 0.6	4.4/17.7	21969	1991 EY ₃	94 11 27.5	04 13.10	+23 05.6	17.6	-0.94	- 2.5	0.6/27.9	24104
1981 EZ ₂₇	94 11 19.5	03 38.93	+19 24.1	17.6	-1.06	- 3.0	0.0/19.5	23132	1181 T-1	94 11 27.6	04 13.18	+26 27.2	17.3	-0.94	- 2.4	1.7/28.4	24120
(5837)	94 11 19.7	03 40.13	+17 13.5	17.7	-0.82	- 2.4	0.6/19.4	22946	1992 EE ₁	94 11 27.7	04 13.45	+50 49.7	17.2	-1.88	+ 6.2	11.3/28.9	21977
(5679)	94 11 19.8	03 40.09	+17 00.0	16.6	-0.89	- 3.3	0.8/19.3	22582	(5621)	94 11 27.7	04 13.79	+25 58.4	17.5	-1.20	- 4.4	1.6/28.5	22392
1987 SQ ₁₇	94 11 20.0	03 40.98	+29 53.6	15.2	-1.23	- 3.2	4.8/21.9	16026	1991 GQ	94 11 27.8	04 13.98	+11 25.0	16.5	-0.80	- 5.8	2.9/26.0	22593
1976 QL ₂	94 11 20.0	03 41.40	+25 40.3	16.2	-0.96	+ 0.1	2.0/21.0	22696	1981 ED ₁₁	94 11 27.9	04 14.43	+32 50.8	20.5	-1.16	- 3.2	3.9/29.7	22270
1992 HD	94 11 20.2	03 41.85	+15 00.3	16.5	-0.95	- 2.7	1.5/19.4	22085	1990 BW	94 11 27.9	04 14.62	-19 09.4	16.7	-1.28	+ 5.6	18.6/25.7	22431
1985 CH ₁	94 11 20.3	03 42.18	+24 16.0	14.9	-1.16	- 1.9	2.0/21.0	23788	2078 T-3	94 11 28.1	04 15.63	+32 26.0	17.0	-1.13	- 2.1	3.8/29.7	22088
1990 VN ₅	94 11 20.3	03 42.37	+06 30.6	17.5	-1.12	+ 4.1	5.5/19.1	23975	1991 AN ₂	94 11 28.2	04 15.75	-07 12.8	16.3	-0.96	- 0.2	10.5/25.1	23781
(5680)	94 11 20.6	03 43.55	+20 16.8	15.6	-0.87	- 2.1	0.2/20.7	22582	1992 FS	94 11 28.2	04 15.93	+25 36.5	16.3	-1.02	- 1.1	1.4/28.8	22827
1979 MB ₄	94 11 20.7	03 44.02	+11 18.0	19.3	-1.04	- 3.8	3.2/19.2	18803	2164 P-L	94 11 28.3	04 16.38	+24 02.4	17.1	-1.12	- 3.7	1.2/28.8	22086
1988 JW	94 11 21.0	03 45.53	+04 07.2	18.5	-0.92	- 1.1	4.5/18.6	22079	(5838)	94 11 28.5	04 17.24	+02 47.8	16.7	-0.92	- 4.2	6.1/25.6	22946
3854 T-3	94 11 21.1	03 45.63	+16 28.1	17.9	-0.84	- 2.6	1.0/20.5	19332	2291 T-1	94 11 28.7	04 17.77	+20 45.7	16.4	-1.06	- 1.1	0.2/28.6	23791
1988 RK ₉	94 11 21.3	03 46.37	-01 56.3	15.9	-0.83	- 1.8	7.0/17.6	22599	1990 QJ ₅	94 11 29.2	04 20.17	+25 30.7	16.7	-1.12	- 1.3	2.0/29.8	23859
1990 QD ₂	94 11 21.4	03 46.89	+17 15.3	16.2	-1.11	- 3.0	1.1/21.0	22431	1985 TY ₁	94 11 29.2	04 20.20	+21 54.9	16.5	-0.99	- 5.8	0.2/29.3	22493
1991 AD	94 11 21.5	03 47.64	+25 14.7	15.1	-0.95	- 7.1	2.2/23.0	22494	1988 LC	94 11 29.2	04 20.30	+01 40.4	16.9	-0.91	- 2.6	6.3/26.4	23789
1992 DP ₈	94 11 21.8	03 48.90	+11 56.8	17.9	-0.92	- 4.5	2.7/20.4	23861	1973 SR ₆	94 11 29.3	04 20.41	+38 59.3	16.2	-1.30	+ 3.6	8.0/30.7	22072
1991 GQ ₂	94 11 22.0	03 49.47	+17 25.2	17.3	-0.86	- 3.0	0.8/21.6	23247	(5464)	94 11 29.3	04 20.48	+34 50.6	16.2	-1.26	+ 4.0	5.8/30.3	21770
1972 HL ₁	94 11 22.2	03 50.19	+23 32.3	17.6	-1.15	- 2.7	1.3/22.8	17953	1985 SM ₂	94 11 29.5	04 21.32	+18 03.4	15.8	-0.98	- 6.4	1.2/28.9	23971
1971 TF	94 11 22.3	03 50.60	+24 02.3	14.9	-1.05	- 2.8	1.8/23.0	24116	1990 SG ₈	94 11 29.5	04 21.59	+18 41.4	15.3	-1.10	- 0.3	1.4/29.3	24118