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Minor Planet Center
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TWX 710-320-6842 ASTROGRAM CAM ** Brian G. Marsden, Director
Telephone 617-495-7244/7440/7444 ** Conrad M. Bardwell, Associate Director

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ERRATA.

MPC	Line	
9755	2	Add The identification 1980 XW = 1972 OA is by H. Oishi.
9756	13 and -28	Add Epoch 1985 Dec. 1.0 ET = JDE 2446400.5
9756	- 1	Add 850422 801 (0.7+ 0.6+)
9758	- 1	Add The identification 1981 DD = 1979 WZ1 is by E. Bowell (MPC 8143).
9826	17	Add The identification 1984 SH = 1980 DV4 is by H. Oishi.
9827	2	Add The identification 1985 FC1 = 1965 UG2 is by H. Oishi.

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IDENTIFICATION CHANGES.

Continuation to MPC 9812.

Object	Date	UT	R. A. (1950)	Decl.	Old desig.	Mag.	Obs.
1925 HD	* 1925 04	23.05757	14 51 47.47	-05 31 32.6	1925 KC		024
1981 VA3	* 1981 11	02.18611	00 55 48.47	+03 49 38.0	1981 SQ1	17.0	688
1981 VA3	1981 11	02.22847	00 55 47.28	+03 49 30.6	1981 SQ1		688

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OBSERVATIONS OF COMETS.

Observations are published here for the following observatory codes:

024 Heidelberg-Konigstuhl. 0.4-m f/5 Bruce astrograph. Observers H. Mandel, U. Gorze, G. Klare, U. Bastian and S. Roser.

046 Klet. Observer A. Mrkos.

055 Cracow. Observers M. Winiarski and M. Kurpinska.

056 Skalnaté Pleso. Observed and measured by G. Cervak, P. Rychtarčík and L. Kornos, reduced by Kornos and J. Svoren.

071 Bulgarian National Observatory. Observers V. Ivanova, A. Georgieva and M. Geffert. Communicated by V. Shkodrov.

323 Perth Observatory, Bickley. Observers M. P. Candy, A. John and G. Kinnear.

330 Purple Mountain Observatory. Observers J.-x. Yang, J.-h. Lu, Q. Wang and S.-l. Wei. Communicated by J.-x. Zhang.

372 Geisei. Observer T. Seki. 0.60-m reflector. From Orient. Astron. Assoc. Comet Bull. No. 274.

376 Uenohara. Observer N. Kawasoto. 0.2-m reflector. Long. and Parallax 139.04, -347, -247 (see MPC 7759).

- 379 near Hamamatsu. Observer T. Tashiro. 0.3-m reflector.
 391 Sendai Observatory, Ayashi Station. Observers M. Koishikawa, K. Hozono,
 T. Sato and K. Kurosu. Reduced by S. Kasahara.
 397 Sapporo Science Center. Observer K. Watanabe. 0.6-m reflector.
 482 St. Andrews. Observer J. R. Stapleton. Long. and Parallax 357.18,
 -237, -353 (see MPC 7759).
 491 Yebes. Observers M. de Pascual, J. Garcia, C. Cabanas and F. Sanchez.
 494 Stakenbridge. Observer B. Manning.
 502 Colchester. 0.25-m f/7 reflector. Observer M. J. Hendrie.
 552 Osservatorio San Vittore. Observers G. Sassi and C. Vacchi. Measured
 by Vacchi, V. Goretti and E. Colombini.
 564 Herrsching. Observer P. Stattmayer. Measured by R. M. West. 0.77-m
 focal length camera.
 565 Bassano Bresciano. Observers U. Quadri and V. Marinello.
 574 Gottolengo. Observer G. Mattarozzi. Measured by Mattarozzi and U.
 Quadri. Long. and Parallax 10.27, -300, -302 (see MPC 7759).
 575 La Chaux de Fonds. Observer A. Behrend. Long. and Parallax 6.81,
 -291, -311 (see MPC 7759).
 656 Victoria. 0.5-m reflector. Observer J. Newton. Measured by
 J. Tatum. Long. and Parallax 236.48, -284, -317 (see MPC 7759).
 657 Victoria. Observers D. D. Balam, T. B. Lowe and J. B. Tatum.
 Measured by Balam, Tatum and P. Bergbusch.
 669 Ojai. Observer D. A. Pierce et al. 0.18-m astrograph.
 675 Palomar. 1.5-m reflector and CCD. Observer J. Gibson. Reduced using
 Schmidt field plate and AGK3.
 691 University of Arizona, Kitt Peak. 0.91-m reflector, CCD in scanning
 mode. Observer T. Gehrels. Reductions by J. V. Scotti.
 707 Chamberlin Observatory field station. 0.40-m f/5.5 reflector.
 Observer J. Briggs. Measured by E. Everhart.
 711 McDonald Observatory. 0.76-m reflector. Observer A. Whipple.
 Measured by P. Sada using PDS microdensitometer.
 792 Quonochontaug. Observer W. S. Penhallow. Measured by Penhallow and
 R. Cibor. 0.24-m f/6.3 Schmidt.
 801 Oak Ridge Observatory. Observers R. E. McCrosky, G. Schwartz, C.-Y.
 Shao (assisted by C. M. Bardwell, D. W. E. Green and B. G. Marsden).
 809 European Southern Observatory. 0.4-m GPO astrograph. Observer
 R. M. West.
 881 Toyota. Observer K. Suzuki. Measured by T. Urata. From Nihondaira
 Obs. Circ. No. 1518.
 950 La Palma. 2.5-m reflector. Observers J. V. Wall and R. Argyle.
 Long. and Parallax 342.12, -374, -204 (see MPC 7759).
 978 Condor Brow. Observers J. D. Greenwood and D. G. Buczynski.
 Measured by Buczynski. 0.47-m reflector.
 993 Woolston. Observer H. B. Ridley, assisted by R. L. Waterfield.
 Measured by D. G. Buczynski.

Object	Date	UT	R. A. (1950)	Decl.	Mag.	N	Obs.
Periodic Comet Schwassmann-Wachmann 1							
/1974 II	1985	07 22.55694	16 10 52.98	-30 10 00.6			323
Periodic Comet Halley							
/1982i	1985	07 19.43148	05 44 09.81	+18 38 54.3	16.5T	1	809
/1982i	1985	07 27.47903	05 49 20.76	+18 48 02.5			675
/1982i	1985	07 27.48278	05 49 20.90	+18 48 02.7			675
/1982i	1985	07 28.47625	05 49 58.57	+18 49 06.2			675
/1982i	1985	07 28.48007	05 49 58.73	+18 49 06.4			675
/1982i	1985	07 29.2375	05 50 27.33	+18 49 54.4	16.2T		950
/1982i	1985	07 29.47958	05 50 36.48	+18 50 09.5		2	675

/1982i	1985 07 29.48333	05 50 36.61	+18 50 09.8				675
/1982i	1985 08 04.78958	05 54 30.28	+18 56 33.7		16	T 3	372
/1982i	1985 08 04.79861	05 54 30.54	+18 56 33.7				372
/1982i	1985 08 07.41528	05 56 04.37	+18 59 07.7				707
/1982i	1985 08 10.46270	05 57 51.79	+19 01 55.1		16	T	656
/1982i	1985 08 11.45579	05 58 26.09	+19 02 50.1				656
/1982i	1985 08 12.77188	05 59 10.98	+19 04 00.3		16	T	881
/1982i	1985 08 13.76771	05 59 44.53	+19 04 56.3		16	T	881
/1982i	1985 08 13.78576	05 59 45.20	+19 04 56.8				881
/1982i	1985 08 14.47060	06 00 08.20	+19 05 33.3		16	T	657
/1982i	1985 08 14.77139	06 00 18.1	+19 05 52		15	T	379
/1982i	1985 08 15.47753	06 00 41.24	+19 06 26.5				657
/1982i	1985 08 15.78125	06 00 51.6	+19 06 47				379
/1982i	1985 08 16.46222	06 01 13.54	+19 07 20.9				657

Comet Cernis (1983 XII)

/1983 XII	1985 07 22.70799	19 40 37.31	-72 58 22.0				323
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Periodic Comet Wild 2

/1983s	1985 07 18.26555	19 48 52.81	-19 22 20.2				801
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Periodic Comet Neujmin 1

/1984c	1984 10 23.83313	20 28 06.66	-20 00 25.6				491
/1984c	1984 10 24.89305	20 30 52.20	-19 35 45.1				491
/1984c	1984 10 29.81119	20 43 41.37	-17 41 07.0				491
/1984c	1984 11 23.81253	21 47 41.93	-08 09 52.5				491

Periodic Comet Giacobini-Zinner

/1984e	1985 05 24.97674	20 36 15.72	+29 33 58.8				056
/1984e	1985 05 25.02674	20 36 20.73	+29 35 22.4				056
/1984e	1985 06 19.00296	21 31 42.77	+42 43 33.4				046
/1984e	1985 06 20.41220	21 35 31.82	+43 29 16.9				711
/1984e	1985 06 20.42622	21 35 34.08	+43 29 43.4				711
/1984e	1985 06 21.38310	21 38 13.64	+44 00 41.8				711
/1984e	1985 06 21.41478	21 38 18.84	+44 01 43.0				711
/1984e	1985 06 21.96389	21 39 52.12	+44 19 27.8				552
/1984e	1985 06 21.97500	21 39 54.02	+44 19 42.4				552
/1984e	1985 06 21.98194	21 39 55.18	+44 19 58.7				552
/1984e	1985 06 22.40565	21 41 07.54	+44 33 43.3				711
/1984e	1985 06 22.41701	21 41 09.35	+44 34 05.0				711
/1984e	1985 06 23.40353	21 44 01.04	+45 05 52.3				711
/1984e	1985 06 24.38373	21 46 55.52	+45 37 23.6				711
/1984e	1985 06 24.39823	21 46 57.95	+45 37 51.7				711
/1984e	1985 06 24.90139	21 48 29.68	+45 53 52.5				552
/1984e	1985 06 24.90417	21 48 30.14	+45 53 57.6				552
/1984e	1985 06 24.90694	21 48 30.54	+45 54 02.9				552
/1984e	1985 06 25.88814	21 51 31.35	+46 25 24.9				046
/1984e	1985 06 25.89172	21 51 31.95	+46 25 34.8				046
/1984e	1985 07 05.89146	22 27 04.58	+51 35 10.2				046
/1984e	1985 07 05.89453	22 27 05.34	+51 35 15.5				046
/1984e	1985 07 08.94170	22 40 06.56	+53 03 44.1				046
/1984e	1985 07 08.94477	22 40 07.33	+53 03 49.7				046
/1984e	1985 07 10.88745	22 49 05.32	+53 57 54.5				024
/1984e	1985 07 10.92749	22 49 16.49	+53 59 01.8				024
/1984e	1985 07 10.93493	22 49 18.60	+53 59 14.7				046
/1984e	1985 07 10.93678	22 49 19.15	+53 59 16.9				046
/1984e	1985 07 11.01037	22 49 40.39	+54 01 20.4				491
/1984e	1985 07 11.07166	22 49 57.55	+54 03 02.8				491
/1984e	1985 07 11.92835	22 54 07.20	+54 26 05.5				491

/1984e	1985 07 11.93212	22 54 08.18	+54 26 12.0	046
/1984e	1985 07 11.93461	22 54 08.97	+54 26 16.5	046
/1984e	1985 07 11.98375	22 54 23.30	+54 27 36.4	491
/1984e	1985 07 12.03344	22 54 37.89	+54 28 57.6	491
/1984e	1985 07 12.97544	22 59 20.77	+54 53 46.8	046
/1984e	1985 07 12.97775	22 59 21.41	+54 53 49.0	046
/1984e	1985 07 13.36372	23 01 19.84	+55 03 51.7	657
/1984e	1985 07 13.93157	23 04 16.78	+55 18 20.6	046
/1984e	1985 07 13.93435	23 04 17.65	+55 18 24.7	046
/1984e	1985 07 14.29421	23 06 11.57	+55 27 29.3	657
/1984e	1985 07 14.92150	23 09 32.90	+55 43 07.2	046
/1984e	1985 07 14.92324	23 09 33.54	+55 43 10.4	046
/1984e	1985 07 15.00557	23 09 59.81	+55 45 14.1	056
/1984e	1985 07 15.03589	23 10 09.72	+55 46 00.0	056
/1984e	1985 07 15.29219	23 11 34.26	+55 52 11.8	657
/1984e	1985 07 15.45903	23 12 27.82	+55 56 20.7	669
/1984e	1985 07 16.63958	23 19 06.23	+56 24 21.6	391
/1984e	1985 07 16.64653	23 19 08.55	+56 24 31.6	391
/1984e	1985 07 16.65347	23 19 10.69	+56 24 41.1	391
/1984e	1985 07 16.96448	23 20 58.06	+56 31 49.8	056
/1984e	1985 07 16.96454	23 20 58.37	+56 31 45.3	4 502
/1984e	1985 07 16.98976	23 21 06.49	+56 32 23.6	056
/1984e	1985 07 17.00287	23 21 11.69	+56 32 45.3	993
/1984e	1985 07 17.01454	23 21 15.27	+56 32 55.3	502
/1984e	1985 07 17.02616	23 21 19.06	+56 33 16.8	056
/1984e	1985 07 17.30545	23 22 56.85	+56 39 33.4	657
/1984e	1985 07 18.00084	23 27 02.86	+56 55 05.1	046
/1984e	1985 07 18.00247	23 27 03.30	+56 55 07.3	046
/1984e	1985 07 18.03844	23 27 16.11	+56 55 58.1	071
/1984e	1985 07 18.07708	23 27 30.03	+56 56 45.7	575
/1984e	1985 07 18.08174	23 27 30.95	+56 56 55.9	574
/1984e	1985 07 18.09657	23 27 37.75	+56 57 05.2	801
/1984e	1985 07 18.29017	23 28 47.15	+57 01 20.7	657
/1984e	1985 07 18.60196	23 30 40.65	+57 08 03.6	16 T 330
/1984e	1985 07 18.62314	23 30 48.10	+57 08 30.9	330
/1984e	1985 07 18.89164	23 32 26.53	+57 14 09.9	046
/1984e	1985 07 18.89326	23 32 27.24	+57 14 12.4	046
/1984e	1985 07 18.96839	23 32 54.62	+57 15 52.4	055
/1984e	1985 07 19.01647	23 33 11.99	+57 16 53.2	055
/1984e	1985 07 19.04650	23 33 23.16	+57 17 31.3	046
/1984e	1985 07 19.04760	23 33 23.54	+57 17 30.6	046
/1984e	1985 07 19.28531	23 34 52.20	+57 22 21.6	657
/1984e	1985 07 19.87708	23 38 35.17	+57 34 21.9	552
/1984e	1985 07 19.90877	23 38 46.87	+57 35 02.6	055
/1984e	1985 07 19.91389	23 38 48.82	+57 35 09.4	056
/1984e	1985 07 19.94448	23 39 00.51	+57 35 47.7	071
/1984e	1985 07 19.95035	23 39 02.79	+57 35 52.7	056
/1984e	1985 07 19.98333	23 39 15.08	+57 36 33.5	056
/1984e	1985 07 20.30880	23 41 19.87	+57 42 54.5	657
/1984e	1985 07 20.93464	23 45 22.89	+57 54 51.0	502
/1984e	1985 07 20.95626	23 45 31.38	+57 55 18.9	071
/1984e	1985 07 20.99792	23 45 47.67	+57 56 03.6	494
/1984e	1985 07 21.01840	23 45 55.71	+57 56 27.3	494
/1984e	1985 07 21.03241	23 46 00.92	+57 56 46.7	071
/1984e	1985 07 21.37465	23 48 16.50	+58 02 59.7	657
/1984e	1985 07 21.40347	23 48 27.65	+58 03 37.7	669
/1984e	1985 07 21.90935	23 51 50.77	+58 12 28.6	046
/1984e	1985 07 21.91074	23 51 51.47	+58 12 29.6	046
/1984e	1985 07 21.95618	23 52 09.85	+58 13 22.9	071

/1984e	1985	07	22.00278	23	52	28.67	+58	14	08.8	575
/1984e	1985	07	22.27812	23	54	20.71	+58	18	50.0	657
/1984e	1985	07	23.00625	23	59	20.93	+58	30	54.0	552
/1984e	1985	07	23.04583	23	59	37.26	+58	31	31.4	575
/1984e	1985	07	23.89247	00	05	35.83	+58	44	24.6	565
/1984e	1985	07	23.90843	00	05	43.07	+58	44	42.0	565
/1984e	1985	07	23.92936	00	05	52.03	+58	44	59.1	565
/1984e	1985	07	23.95430	00	06	02.72	+58	45	23.5	565
/1984e	1985	07	23.97925	00	06	13.32	+58	45	48.2	565
/1984e	1985	07	24.04872	00	06	41.99	+58	46	47.4	574
/1984e	1985	07	24.19550	00	07	45.69	+58	48	51.0	792
/1984e	1985	07	24.84514	00	12	28.38	+58	57	41.6	056
/1984e	1985	07	24.86424	00	12	36.66	+58	57	59.7	056
/1984e	1985	07	24.89427	00	12	49.56	+58	58	24.0	056
/1984e	1985	07	24.89925	00	12	52.29	+58	58	22.7	5 565
/1984e	1985	07	24.90597	00	12	55.23	+58	58	30.8	565
/1984e	1985	07	24.91044	00	12	57.35	+58	58	34.9	565
/1984e	1985	07	24.91492	00	12	59.57	+58	58	40.7	565
/1984e	1985	07	24.91713	00	13	00.95	+58	58	43.3	565
/1984e	1985	07	24.92162	00	13	02.25	+58	58	46.3	565
/1984e	1985	07	24.92396	00	13	02.84	+58	58	47.6	056
/1984e	1985	07	24.92448	00	13	03.22	+58	58	48.3	055
/1984e	1985	07	24.92832	00	13	04.52	+58	58	51.2	565
/1984e	1985	07	24.93280	00	13	07.25	+58	58	57.7	565
/1984e	1985	07	24.93727	00	13	09.14	+58	59	02.0	565
/1984e	1985	07	24.94292	00	13	10.94	+58	59	02.3	046
/1984e	1985	07	24.94459	00	13	11.85	+58	59	05.0	046
/1984e	1985	07	24.95382	00	13	15.79	+58	59	11.9	056
/1984e	1985	07	24.97928	00	13	27.17	+58	59	35.0	564
/1984e	1985	07	24.97940	00	13	26.72	+58	59	30.2	978
/1984e	1985	07	24.98368	00	13	29.11	+58	59	35.3	056
/1984e	1985	07	24.99605	00	13	34.48	+58	59	47.9	055
/1984e	1985	07	25.00715	00	13	39.29	+58	59	58.7	071
/1984e	1985	07	25.01215	00	13	41.70	+58	59	58.3	056
/1984e	1985	07	25.05382	00	13	59.60	+59	00	33.4	564
/1984e	1985	07	25.25833	00	15	30.32	+59	03	09.8	792
/1984e	1985	07	25.29156	00	15	45.43	+59	03	28.9	657
/1984e	1985	07	25.67743	00	18	37.01	+59	08	19.8	376
/1984e	1985	07	25.70104	00	18	47.43	+59	08	37.7	376
/1984e	1985	07	26.00139	00	21	03.60	+59	12	01.2	564
/1984e	1985	07	26.28097	00	23	10.83	+59	15	02.6	657
/1984e	1985	07	26.57188	00	25	23.72	+59	18	10.5	9.0T 397
/1984e	1985	07	26.58063	00	25	27.72	+59	18	15.7	397
/1984e	1985	07	26.84757	00	27	30.92	+59	20	52.3	056
/1984e	1985	07	26.87986	00	27	46.04	+59	21	11.7	056
/1984e	1985	07	26.90903	00	27	59.25	+59	21	33.5	056
/1984e	1985	07	26.93819	00	28	12.45	+59	21	51.1	056
/1984e	1985	07	26.96597	00	28	25.53	+59	22	05.7	056
/1984e	1985	07	26.97030	00	28	27.43	+59	22	10.6	055
/1984e	1985	07	26.99236	00	28	37.95	+59	22	23.2	056
/1984e	1985	07	27.00188	00	28	42.06	+59	22	29.3	055
/1984e	1985	07	27.24549	00	30	35.58	+59	24	44.9	657
/1984e	1985	07	27.38194	00	31	39.03	+59	26	02.1	669
/1984e	1985	07	28.23576	00	38	23.23	+59	32	46.2	657
/1984e	1985	07	28.92187	00	43	53.27	+59	37	20.8	056
/1984e	1985	07	28.95417	00	44	08.95	+59	37	34.3	056
/1984e	1985	07	29.29271	00	46	53.97	+59	39	23.6	657
/1984e	1985	07	30.26840	00	54	55.27	+59	43	27.1	657

/1984e	1985	08	02.90694	01	26	00.54	+59	39	47.7	552
/1984e	1985	08	02.93493	01	26	15.07	+59	39	40.1	055
/1984e	1985	08	02.98005	01	26	38.65	+59	39	28.9	055
/1984e	1985	08	03.25833	01	29	04.97	+59	37	53.2	792
/1984e	1985	08	03.45868	01	30	50.44	+59	36	33.7	657
/1984e	1985	08	03.83461	01	34	09.95	+59	33	41.8	056
/1984e	1985	08	03.84745	01	34	16.66	+59	33	35.3	056
/1984e	1985	08	03.95360	01	35	13.19	+59	32	51.4	055
/1984e	1985	08	03.96324	01	35	18.27	+59	32	47.0	055
/1984e	1985	08	03.99547	01	35	35.57	+59	32	29.3	482
/1984e	1985	08	04.84965	01	43	09.90	+59	24	33.2	056
/1984e	1985	08	04.87037	01	43	21.00	+59	24	17.6	056
/1984e	1985	08	04.89861	01	43	36.21	+59	24	02.1	552
/1984e	1985	08	05.26771	01	46	52.66	+59	20	05.9	6 792
/1984e	1985	08	05.44954	01	48	30.39	+59	17	58.7	657
/1984e	1985	08	05.84005	01	51	59.98	+59	12	58.0	056
/1984e	1985	08	05.86574	01	52	14.08	+59	12	33.5	056
/1984e	1985	08	05.93101	01	52	48.23	+59	11	44.9	978
/1984e	1985	08	05.93448	01	52	50.41	+59	11	41.4	978
/1984e	1985	08	05.94140	01	52	54.44	+59	11	36.2	482
/1984e	1985	08	05.96435	01	53	06.80	+59	11	23.1	055
/1984e	1985	08	05.97332	01	53	11.48	+59	11	16.9	055
/1984e	1985	08	06.37479	01	56	47.02	+59	05	40.2	657
/1984e	1985	08	07.21965	02	04	21.54	+58	52	23.8	792
/1984e	1985	08	07.23125	02	04	28.01	+58	52	08.0	707
/1984e	1985	08	07.92222	02	10	39.06	+58	39	46.6	552
/1984e	1985	08	11.31071	02	40	45.64	+57	18	57.5	657
/1984e	1985	08	11.35799	02	41	10.37	+57	17	37.8	657
/1984e	1985	08	11.83325	02	45	18.92	+57	03	40.4	9 T 330
/1984e	1985	08	11.84193	02	45	23.52	+57	03	26.9	330
/1984e	1985	08	12.38223	02	50	06.05	+56	46	24.9	657
/1984e	1985	08	12.62069	02	52	09.92	+56	38	42.9	9.5T 397
/1984e	1985	08	12.63146	02	52	15.96	+56	38	21.8	397
/1984e	1985	08	12.76934	02	53	26.70	+56	33	55.6	330
/1984e	1985	08	12.91678	02	54	43.17	+56	28	47.8	056
/1984e	1985	08	12.92882	02	54	49.17	+56	28	21.9	502
/1984e	1985	08	12.93924	02	54	54.61	+56	28	01.7	502
/1984e	1985	08	12.97228	02	55	11.87	+56	26	57.9	056
/1984e	1985	08	13.31281	02	58	07.16	+56	15	14.1	657
/1984e	1985	08	13.63076	03	00	50.19	+56	04	04.4	9.5T 397
/1984e	1985	08	13.64840	03	00	59.46	+56	03	29.1	397
/1984e	1985	08	13.83519	03	02	34.21	+55	56	35.5	056
/1984e	1985	08	13.85625	03	02	44.68	+55	55	50.9	056
/1984e	1985	08	14.31352	03	06	36.96	+55	38	52.4	657
/1984e	1985	08	14.85521	03	11	09.25	+55	17	56.6	056
/1984e	1985	08	14.89514	03	11	29.34	+55	16	22.8	056
/1984e	1985	08	14.95994	03	12	01.69	+55	13	47.2	978
/1984e	1985	08	14.96411	03	12	03.41	+55	13	39.9	978
/1984e	1985	08	15.42958	03	15	55.12	+54	54	57.3	657
/1984e	1985	08	15.84861	03	19	22.01	+54	37	17.7	056
/1984e	1985	08	15.88542	03	19	40.35	+54	35	46.5	056
/1984e	1985	08	16.43097	03	24	06.48	+54	12	18.7	657
/1984e	1985	08	16.88578	03	27	46.41	+53	51	51.3	056
/1984e	1985	08	17.43162	03	32	07.24	+53	26	47.3	657
/1984e	1985	08	18.47958	03	40	19.12	+52	36	05.1	657

Periodic Comet Faye

/1984h	1984	11	28.08591	09	18	42.23	+03	24	07.8	491
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Comet Austin (1984i)

/1984i	1984	10	24.03075	03	57	11.95	+48	41	37.8				491
/1984i	1984	10	24.10392	03	56	21.62	+48	40	01.4				491
/1984i	1984	10	25.07104	03	45	28.46	+48	16	53.2		7		491
/1984i	1984	10	25.14064	03	44	41.58	+48	15	05.1				491
/1984i	1984	10	29.91230	02	55	32.66	+45	27	23.5				491
/1984i	1984	10	30.02969	02	54	26.38	+45	22	23.6				491

Periodic Comet Arend-Rigaux

/1984k	1984	10	25.11467	07	02	49.93	-02	06	33.4		7		491
/1984k	1984	10	30.06466	07	14	35.43	-02	17	38.0				491
/1984k	1984	11	27.05297	08	14	10.25	-01	18	14.6		7		491
/1984k	1984	11	28.05994	08	16	00.47	-01	10	25.3				491

Periodic Comet Shoemaker 1

/1984s	1984	11	26.96742	02	11	29.27	+02	40	49.6				491
/1984s	1984	11	27.98237	02	12	42.72	+02	02	15.0				491

Periodic Comet Ashbrook-Jackson

/1985a	1985	07	05.61979	20	07	24.59	-39	22	06.9				323
/1985a	1985	07	22.62361	19	51	51.72	-39	49	23.4				323

Periodic Comet Giclas

/1985g	1985	07	22.75694	01	51	28.46	+03	03	39.4		18.5T		372
/1985g	1985	07	22.77083	01	51	29.68	+03	03	42.5				372

Periodic Comet Whipple

/1985h	1985	07	10.30736	21	56	46.47	-03	04	50.0		20	T	8	675
/1985h	1985	07	10.33688	21	56	46.04	-03	04	52.0				8	675
/1985h	1985	07	10.44583	21	56	44.48	-03	04	56.5					675
/1985h	1985	07	10.46181	21	56	44.29	-03	04	56.9					675
/1985h	1985	07	25.38081	21	51	42.30	-03	31	14.7		19	T		691
/1985h	1985	07	25.39433	21	51	41.96	-03	31	17.3					691
/1985h	1985	07	25.40324	21	51	41.74	-03	31	18.2					691
/1985h	1985	07	26.32237	21	51	17.19	-03	33	51.1					691
/1985h	1985	07	26.33383	21	51	16.80	-03	33	53.2					691

Periodic Comet Shajn-Schaldach

/1985i	1985	07	25.34578	20	06	22.81	-13	40	57.6		19.1T		691
/1985i	1985	07	25.35582	20	06	22.30	-13	40	59.7				691
/1985i	1985	07	25.36924	20	06	21.65	-13	41	01.9				691
/1985i	1985	07	26.28132	20	05	40.44	-13	44	13.4				691
/1985i	1985	07	26.29189	20	05	39.94	-13	44	16.1				691
7110	1985	07	26.30332	20	05	39.33	-13	44	18.5				691

Periodic Comet Daniel

/1985j	1985	07	27.48785	06	12	40.03	+24	53	16.0		20	N		675
/1985j	1985	07	27.49102	06	12	40.54	+24	53	16.8					675
/1985j	1985	07	28.48486	06	15	43.97	+25	00	24.4			9		675
/1985j	1985	07	28.48861	06	15	44.61	+25	00	25.7					675
/1985j	1985	07	29.48792	06	18	49.25	+25	07	22.8					675
/1985j	1985	07	29.49167	06	18	49.89	+25	07	24.7					675

Note 1: 10-min exposure; image found by photographic amplification. 2: coma 22" in diameter, no evidence of tail. 3: tail-like jet. 4: close to star trail, measurement difficult. 5: position uncertain. 6: lightly exposed image. 7: image diffuse and difficult to measure. 8: near edge of frames and outside reference-star arrays. 9: 5" streamers in p.a. 255 and 285 .

OBSERVATIONS MADE AT CAUSSOLS.

Plates taken in the course of the International Near-Earth Asteroid Search (INAS) by E. Helin, M. A. Barucci, J.-L. Heudier, A. Barthelemy and S. Syregard with the 0.9-m Schmidt, measured and reduced by C. Pollas. Contact: E. Helin, MS 183-501, Jet Propulsion Laboratory, Pasadena, CA 91109, U.S.A.

Object	Date	UT	R. A. (1950)	Decl.	Mag.	N	Obs.
1985 PA *	1985 08	15.93750	22 32 30.21	-10 06 58.5	16.5	1	010
1985 PA	1985 08	15.95833	22 32 28.08	-10 08 26.7			010
1985 PA	1985 08	15.96875	22 32 26.84	-10 09 14.0			010
1985 PA	1985 08	16.94076	22 30 34.44	-11 20 29.1			010
1985 PA	1985 08	18.05615	22 28 21.56	-12 43 34.4			010
1985 PA	1985 08	18.07698	22 28 19.08	-12 45 04.8			010
1985 PA	1985 08	18.08740	22 28 17.80	-12 45 50.6			010

Note 1: discoverers Helin and Barucci.

OBSERVATIONS MADE AT KLET BY A. MRKOS AND Z. VAVROVA.

Plates with the 0.6-m Maksutov reflector. Contact: A. Mrkos, Department of Astronomy and Astrophysics, Charles University, Svedska 8, C-15000 Prague 5, Czechoslovakia.

Object	Date	UT	R. A. (1950)	Decl.	Mag.	Obs.
38	1985 07	21.96387	20 34 59.12	-17 06 21.5		046
38	1985 07	21.97903	20 34 58.30	-17 06 22.7		046
335	1985 07	17.93715	19 43 36.32	-15 40 43.4		046
335	1985 07	17.95133	19 43 35.48	-15 40 48.9		046
799	1985 07	17.93715	19 42 08.58	-14 36 59.9		046
799	1985 07	17.95133	19 42 07.71	-14 37 04.0		046
816	1985 07	13.90206	18 02 10.81	-12 42 50.7		046
816	1985 07	13.91664	18 02 10.12	-12 42 52.9		046
816	1985 07	14.89124	18 01 29.37	-12 47 22.2		046
816	1985 07	14.90536	18 01 28.57	-12 47 26.8		046
1339	1985 07	18.99610	20 55 13.62	-13 41 49.6		046
1339	1985 07	19.96693	20 54 28.75	-13 42 20.7		046
1339	1985 07	19.98105	20 54 28.05	-13 42 23.3		046
1339	1985 07	24.99558	20 50 27.22	-13 45 54.2		046
1339	1985 07	25.00981	20 50 26.62	-13 45 55.8		046
1756	1985 07	17.97284	20 44 03.43	-16 12 20.2		046
1756	1985 07	17.98690	20 44 02.85	-16 12 18.9		046
1756	1985 07	18.94789	20 43 11.14	-16 12 57.4		046
1756	1985 07	18.96207	20 43 10.47	-16 12 58.5		046
1756	1985 07	21.96387	20 40 22.96	-16 15 18.4		046
1756	1985 07	21.97903	20 40 22.08	-16 15 18.2		046
1759	1985 07	18.98198	20 56 56.38	-12 08 15.3		046
1759	1985 07	18.99610	20 56 55.86	-12 08 18.6		046
1759	1985 07	19.96693	20 56 20.88	-12 12 28.9		046
1759	1985 07	19.98105	20 56 19.82	-12 12 26.9		046
2012	1985 07	17.97284	20 44 24.81	-15 27 13.9		046
2012	1985 07	17.98690	20 44 24.23	-15 27 15.8		046
2012	1985 07	18.94789	20 43 37.26	-15 27 32.3		046
2012	1985 07	18.96207	20 43 36.58	-15 27 31.8		046
2012	1985 07	21.96387	20 41 03.96	-15 29 02.9		046
2012	1985 07	21.97903	20 41 03.08	-15 29 03.7		046
2109	1985 07	18.91057	20 48 26.72	-08 18 07.6		046
2109	1985 07	18.92475	20 48 26.22	-08 18 12.1		046
2109	1985 07	21.92515	20 46 29.20	-08 34 09.4		046
2109	1985 07	21.93939	20 46 28.54	-08 34 15.3		046
2109	1985 07	24.96115	20 44 22.76	-08 52 10.2		046
2109	1985 07	24.97527	20 44 22.06	-08 52 15.5		046
2199	1985 07	18.91057	20 46 33.34	-10 09 12.4		046
2199	1985 07	18.92475	20 46 32.79	-10 09 19.2		046

2199		1985 07 21.92515	20 44 34.57	-10 38 45.3		046
2199		1985 07 21.93939	20 44 33.94	-10 38 54.0		046
2521		1985 07 18.94789	20 43 23.81	-13 16 41.8		046
2521		1985 07 18.96207	20 43 23.22	-13 16 42.1		046
2523		1985 07 14.99593	19 56 20.65	-17 39 06.3		046
2523		1985 07 15.01007	19 56 19.71	-17 39 06.8		046
3181		1985 07 21.92515	20 46 02.47	-10 51 07.6		046
3181		1985 07 21.93939	20 46 01.72	-10 51 10.7		046
1984 FT		1985 07 14.96161	18 47 22.76	-12 00 47.3		046
1984 FT		1985 07 14.97573	18 47 22.17	-12 00 49.0		046
1985 LC	*	1985 06 13.99225	17 26 47.15	-05 41 34.2	16.8	046
1985 LC		1985 06 14.00642	17 26 46.60	-05 41 36.1		046
1985 LD	*	1985 06 13.99225	17 26 51.54	-05 41 00.2	17.0	046
1985 LD		1985 06 14.00642	17 26 51.02	-05 40 57.8		046
1985 NA	*	1985 07 14.99593	19 49 31.88	-17 52 06.0	17.0	046
1985 NA		1985 07 15.01007	19 49 31.27	-17 51 59.0		046
1985 NB	*	1985 07 14.99593	19 49 39.17	-17 43 14.3	16.8	046
1985 NB		1985 07 15.01007	19 49 38.85	-17 43 09.5		046
1985 NC	*	1985 07 14.99593	19 50 14.31	-17 40 17.0	17.0	046
1985 NC		1985 07 15.01007	19 50 13.57	-17 40 11.9		046
1985 OA	*	1985 07 17.93715	19 41 57.97	-13 43 16.0	16.7	046
1985 OA		1985 07 17.95133	19 41 57.09	-13 43 10.0		046
1985 OB	*	1985 07 17.98690	20 43 58.37	-14 51 08.2	16.3	046
1985 OB		1985 07 18.94789	20 43 01.32	-14 44 13.7		046
1985 OB		1985 07 18.96207	20 43 00.01	-14 44 04.2		046
1985 OB		1985 07 21.96387	20 39 56.27	-14 22 43.2		046
1985 OB		1985 07 21.97903	20 39 55.24	-14 22 36.5		046
1985 OC	*	1985 07 18.01861	20 51 06.43	-18 05 41.1	16.9	046
1985 OC		1985 07 18.03279	20 51 05.85	-18 05 38.9		046
1985 OD	*	1985 07 18.01861	20 56 24.78	-16 43 25.1	16.6	046
1985 OD		1985 07 18.03279	20 56 24.08	-16 43 25.5		046
1985 OD		1985 07 19.01664	20 55 44.68	-16 48 36.3		046
1985 OD		1985 07 19.03082	20 55 44.13	-16 48 41.7		046
1985 OD		1985 07 21.99928	20 53 41.42	-17 04 30.5		046
1985 OE	*	1985 07 18.01861	20 58 52.27	-17 00 45.4	16.7	046
1985 OE		1985 07 18.03279	20 58 51.27	-17 00 29.2		046
1985 OF	*	1985 07 18.01861	20 58 53.08	-18 22 53.4	16.8	046
1985 OF		1985 07 18.03279	20 58 52.27	-18 22 51.0		046
1985 OF		1985 07 19.01664	20 58 18.36	-18 27 33.2		046
1985 OF		1985 07 19.03082	20 58 18.04	-18 27 36.1		046
1985 OG	*	1985 07 18.98198	20 50 58.96	-12 23 03.8	16.9	046
1985 OG		1985 07 18.99610	20 50 58.12	-12 23 06.7		046
1985 OH	*	1985 07 18.98198	20 57 42.18	-12 23 13.7	16.5	046
1985 OH		1985 07 18.99610	20 57 41.59	-12 23 09.9		046
1985 OJ	*	1985 07 18.98198	21 00 23.71	-10 59 04.6	16.6	046
1985 OJ		1985 07 18.99610	21 00 23.17	-10 59 05.5		046
1985 OJ		1985 07 19.96693	20 59 45.13	-11 00 45.0		046
1985 OJ		1985 07 19.98105	20 59 44.43	-11 00 46.5		046
1985 OK	*	1985 07 19.01664	20 58 15.87	-15 31 26.3	17.0	046
1985 OK		1985 07 19.03082	20 58 15.32	-15 31 27.5		046
1985 OL	*	1985 07 19.01664	20 58 38.28	-15 08 11.2	16.6	046
1985 OL		1985 07 19.03082	20 58 37.76	-15 08 18.6		046
1985 OL		1985 07 21.99928	20 56 49.59	-15 34 32.8		046
1985 OL		1985 07 22.01346	20 56 48.88	-15 34 39.9		046
1985 OL		1985 07 24.99558	20 54 49.80	-16 02 18.9		046
1985 OL		1985 07 25.00981	20 54 49.04	-16 02 28.1		046
1985 OM	*	1985 07 21.92515	20 42 53.98	-10 26 25.5	17.0	046
1985 OM		1985 07 21.93939	20 42 53.24	-10 26 20.1		046
1985 ON	*	1985 07 21.92515	20 45 30.50	-08 37 16.6	16.4	046

1985 ON	1985 07 21.93939	20 45 29.67	-08 37 13.7	046
1985 ON	1985 07 24.96115	20 42 34.28	-08 24 54.3	046
1985 ON	1985 07 24.97527	20 42 33.68	-08 24 51.9	046
1985 OO *	1985 07 21.99928	20 54 28.37	-15 23 07.9	16.7 046
1985 OO	1985 07 22.01346	20 54 27.68	-15 23 07.7	046

OBSERVATIONS MADE AT THE CRIMEAN ASTROPHYSICAL OBSERVATORY BY N. S. CHERNYKH, L. I. CHERNYKH, L. G. KARACHKINA, T. M. SMIRNOVA, L. V. ZHURAVLEVA AND A. MRKOS.

Plates taken with the 0.40-m f/5 astrograph. This is the 55th report in the series carried out jointly by the Institute for Theoretical Astronomy and the Crimean Astrophysical Observatory. Contact: N. S. Chernykh, Crimean Astrophysical Observatory, P/O Nauchnyj, Crimea 334413, U.S.S.R.; or Yu. V. Batrakov, Institute for Theoretical Astronomy, Naberezhnaya Kutuzova 10, 192187 Leningrad, U.S.S.R.

Object	Date	UT	R. A. (1950)	Decl.	Mag.	N	Obs.
3063	1973 09 07.97333	00 27 20.77	+18 47 31.4	16.5		095	
474	1981 01 30.76597	06 01 01.99	+12 52 31.4			095	
1574	1981 01 30.76597	06 02 39.25	+12 28 10.9			095	
2957	1981 01 30.76597	06 06 49.14	+17 03 45.9	16.5		095	
1981 BS *	1981 01 30.76597	06 12 24.73	+15 37 04.8	17.0		095	
1981 BT *	1981 01 30.76597	06 15 03.40	+18 19 07.9	17.5		095	
993	1981 01 30.76597	06 18 27.12	+20 52 03.6		1	095	
1981 BU *	1981 01 30.76597	06 18 27.60	+15 37 23.6	16.5		095	
1903	1981 01 30.76597	06 18 42.33	+15 42 46.2			095	
103	1981 01 30.76597	06 22 28.89	+19 32 58.8			095	
1981 BV *	1981 01 30.76597	06 24 24.16	+14 11 02.6	16.5		095	
248	1981 01 30.76597	06 24 52.72	+19 17 20.7			095	
2241	1981 01 30.76597	06 26 23.10	+18 01 26.0			095	
685	1981 01 30.76597	06 30 00.32	+18 48 39.6		1	095	
1057	1981 01 30.76597	06 31 34.65	+20 44 44.2		1	095	
236	1981 01 30.76597	06 34 22.96	+12 24 24.5		1	095	
1027	1981 01 30.84513	06 59 34.78	+24 34 35.9		1	095	
1984 QC	1981 01 30.84513	07 03 31.78	+28 48 49.8	16.0		095	
1302	1981 01 30.84513	07 03 34.52	+24 14 18.8		1	095	
1631	1981 01 30.84513	07 07 50.47	+34 08 09.5		1	095	
1	1981 01 30.84513	07 13 43.34	+31 55 40.0			095	
321	1981 01 30.84513	07 14 44.45	+26 07 33.2			095	
1798	1981 01 30.84513	07 16 34.24	+33 09 43.9		1	095	
1981 BW *	1981 01 30.84513	07 16 52.93	+32 54 14.5	16.0		095	
671	1981 01 30.84513	07 17 54.50	+33 05 38.8		1	095	
54	1981 01 30.84513	07 18 25.24	+27 43 05.4			095	
1981 BX *	1981 01 30.84513	07 19 00.71	+29 17 32.4	17.0		095	
1981 BY *	1981 01 30.84513	07 20 26.48	+29 03 44.4	17.0		095	
636	1981 01 30.84513	07 22 54.20	+33 03 32.6		1	095	
1906	1981 01 30.84513	07 23 23.71	+31 03 11.4			095	
3197	1981 01 30.84513	07 23 24.78	+25 09 44.0	15.5	1	095	
1997	1981 01 30.84513	07 25 07.36	+30 20 23.7			095	
1981 BZ *	1981 01 30.84513	07 31 11.33	+27 05 33.3	17.0		095	
1089	1981 01 30.84513	07 38 43.32	+26 57 40.2		1	095	
3267	1981 01 30.84513	07 39 57.40	+31 24 23.1	16.5	1	095	
2365	1981 02 23.80205	07 39 49.37	+17 24 36.2		1	095	
2745	1981 02 23.80205	07 47 19.72	+18 29 17.3	16.5		095	
3237	1981 02 23.80205	07 49 19.41	+15 14 32.0	16.5		095	
854	1981 02 23.80205	07 50 06.28	+13 08 40.4			095	
97	1981 02 23.80205	07 50 27.13	+12 05 42.8			095	
1981 DU3 *	1981 02 23.80205	07 51 30.14	+14 10 43.5	16.5		095	
1981 DV3 *	1981 02 23.80205	07 55 27.40	+16 20 29.6	17.0		095	
221	1981 02 23.80205	07 56 45.26	+17 10 48.2			095	

1981 DW3 *	1981 02 23.80205	07 57 40.15	+16 26 31.6	16.0	095
1981 DX3 *	1981 02 23.80205	07 59 16.86	+13 51 06.2	16.0	095
1981 DY3 *	1981 02 23.80205	08 00 14.27	+14 26 15.9	17.0	095
1785	1981 02 23.80205	08 00 56.30	+17 02 25.5		095
1981 DZ3 *	1981 02 23.80205	08 02 39.70	+15 50 38.1	17.0	095
1981 DA4 *	1981 02 23.80205	08 08 16.50	+15 19 03.2	16.0	2 095
543	1981 02 23.80205	08 09 06.97	+16 45 16.3		095
111	1981 02 23.80205	08 09 19.29	+18 56 12.0		095
1981 DB4 *	1981 02 23.80205	08 10 46.02	+17 31 03.4	17.0	095
1981 DC4 *	1981 02 23.80205	08 13 55.12	+16 08 43.9	17.0	1 095
1793	1981 02 23.80205	08 16 48.30	+16 59 35.6		1 095
1360	1981 03 01.87447	09 23 34.25	+19 12 57.6		1 095
1085	1981 03 01.87447	09 29 49.11	+15 51 31.5		1 095
1202	1981 03 01.87447	09 30 20.10	+19 16 43.5		095
1449	1981 03 01.87447	09 32 06.31	+22 11 05.1		095
1981 EL48*	1981 03 01.87447	09 34 24.00	+20 30 33.4	16.5	095
824	1981 03 01.87447	09 35 48.61	+15 36 31.3		1 095
1797	1981 03 01.87447	09 36 11.87	+19 15 55.6		095
1981 EM48*	1981 03 01.87447	09 41 08.05	+18 38 42.4	17.0	2 095
422	1981 03 01.87447	09 42 43.49	+19 02 59.7		095
1981 EN48*	1981 03 01.87447	09 43 58.07	+23 12 09.1	17.0	095
1981 EO48*	1981 03 01.87447	09 47 29.28	+21 30 37.8	17.0	095
1961	1981 03 01.87447	09 48 23.33	+22 18 07.1		095
195	1981 03 01.87447	09 54 43.77	+19 33 26.2		095
2009	1981 03 01.87447	09 57 39.25	+15 43 07.5		1 095
2732	1981 03 01.95431	11 07 41.16	+09 02 43.8	17.0	1 095
1724	1981 03 01.95431	11 08 38.20	+05 35 29.0		095
662	1981 03 01.95431	11 08 54.40	+08 52 32.0		1 095
522	1981 03 01.95431	11 13 12.93	+09 42 03.0		095
1981 EP48*	1981 03 01.95431	11 14 38.78	+06 00 19.8	16.5	1 095
1269	1981 03 01.95431	11 14 46.13	+06 58 03.2		095
1981 EQ48*	1981 03 01.95431	11 19 03.67	+08 51 21.0	16.5	095
2724	1981 03 01.95431	11 22 16.00	+05 28 19.9		1 095
1184	1981 03 01.95431	11 22 40.08	+07 17 31.2		095
2239	1981 03 01.95431	11 27 40.58	+12 59 09.7		095
1981 FT	1981 03 01.95431	11 28 18.88	+11 42 01.0	17.0	095
425	1981 03 01.95431	11 30 34.81	+09 51 03.6		095
2199	1981 03 01.95431	11 30 45.81	+08 14 54.1		095
2092	1981 03 01.95431	11 36 41.64	+07 35 35.8		095
953	1981 03 01.95431	11 40 42.13	+12 36 52.4		095
1124	1981 03 01.95431	11 41 08.94	+09 08 15.1		095
217	1981 03 02.03693	12 37 12.19	+00 46 56.2		1 095
140	1981 03 02.03693	12 37 28.96	+00 44 51.1		1 095
215	1981 03 02.03693	12 37 41.57	-02 55 56.7		1 095
2181	1981 03 02.03693	12 47 03.44	+02 37 19.6		095
100	1981 03 02.03693	12 49 43.97	+02 25 18.6		095
229	1981 03 02.03693	12 49 49.30	-04 11 43.2		1 095
723	1981 03 02.03693	12 53 02.78	-03 03 44.6		1 095
2246	1981 03 02.03693	12 56 00.02	-01 23 38.2	17.0	095
1056	1981 03 02.03693	12 57 15.67	+02 52 15.0		095
340	1981 03 02.03693	12 58 12.00	-03 18 10.9		1 095
538	1981 03 02.03693	12 59 09.98	+00 06 01.3		095
2045	1981 03 02.03693	12 59 52.47	-04 17 10.0		1 095
1618	1981 03 02.03693	13 00 06.81	-01 26 53.7		095
53	1981 03 02.03693	13 07 37.10	-01 43 13.0		095
947	1981 03 02.03693	13 09 26.50	-00 54 45.0		095
1010	1981 03 02.03693	13 14 35.69	-02 10 52.7		1 095
1586	1981 03 02.03693	13 14 42.01	-01 50 06.8		1 095
200	1981 03 08.79518	08 44 16.60	+18 35 24.8		1 095

2450		1981	03	08.79518	08	47	43.00	+19	23	02.3		1	095
295		1981	03	08.79518	08	49	52.09	+14	40	45.4		1	095
2086		1981	03	08.79518	08	53	13.00	+19	31	23.9			095
2361		1981	03	08.79518	08	53	54.42	+19	53	54.6			095
1672		1981	03	08.79518	08	54	15.33	+16	30	16.5	16.0		095
1981	ER48*	1981	03	08.79518	08	56	17.32	+21	29	03.4	17.5	1	095
3132		1981	03	08.79518	08	58	16.76	+20	04	26.4			095
234		1981	03	08.79518	08	58	28.81	+16	52	38.0			095
1981	ES48*	1981	03	08.79518	09	00	26.85	+20	02	50.9	17.0		095
2249		1981	03	08.79518	09	02	31.09	+16	23	59.6			095
1981	ET48*	1981	03	08.79518	09	02	48.02	+18	40	11.7	17.0		095
1981	EU48*	1981	03	08.79518	09	02	50.62	+18	55	37.9	17.5		095
3170		1981	03	08.79518	09	04	24.65	+19	29	24.8			095
1981	EV48*	1981	03	08.79518	09	04	28.73	+18	29	09.9	16.5		095
1691		1981	03	08.79518	09	04	31.04	+15	58	14.1			095
1981	EW48*	1981	03	08.79518	09	04	31.76	+16	53	13.6	17.0		095
3280		1981	03	08.79518	09	05	01.44	+16	17	28.5	17.5		095
1981	EX48*	1981	03	08.79518	09	06	07.06	+19	13	08.0	17.0		095
2722		1981	03	08.79518	09	06	33.45	+17	01	35.9			095
1981	EY48*	1981	03	08.79518	09	07	49.27	+18	50	39.8	17.0		095
2030		1981	03	08.79518	09	08	20.40	+14	52	03.2			095
2125		1981	03	08.79518	09	08	25.96	+16	03	53.1			095
1981	EZ48*	1981	03	08.79518	09	09	51.23	+18	50	29.2	17.0		095
1981	EA49*	1981	03	08.79518	09	12	27.72	+19	30	03.4	17.0		095
2946		1981	03	08.79518	09	12	39.47	+16	01	12.8			095
1981	EB49*	1981	03	08.79518	09	13	14.43	+20	51	12.0	17.5		095
1981	EC49*	1981	03	08.79518	09	13	16.01	+15	57	42.1	17.5		095
1981	ED49*	1981	03	08.79518	09	13	24.98	+17	28	41.4	17.0		095
3110		1981	03	08.79518	09	14	17.58	+17	16	15.0	17.0		095
2731		1981	03	08.79518	09	16	08.48	+13	58	00.6	16.5		095
1360		1981	03	08.79518	09	16	29.00	+18	47	55.7			095
1981	EE49*	1981	03	08.79518	09	17	29.66	+18	32	45.6	17.5		095
1981	EF49*	1981	03	08.79518	09	17	55.71	+16	17	37.9	17.0		095
3148		1981	03	08.79518	09	18	48.02	+16	19	45.9			095
1914		1981	03	08.79518	09	18	58.88	+19	50	05.1			095
2769		1981	03	08.79518	09	20	26.94	+18	21	44.8			095
1981	EG49*	1981	03	08.79518	09	20	35.81	+19	54	21.1	17.0		095
1981	EH49*	1981	03	08.79518	09	22	02.84	+14	16	17.2	17.0	1	095
2803		1981	03	08.79518	09	22	47.04	+17	00	14.4		1	095
1085		1981	03	08.79518	09	25	35.02	+16	22	00.0		1	095
206		1981	03	08.79518	09	26	01.24	+15	32	50.0		1	095
1202		1981	03	08.79518	09	26	36.53	+19	30	26.4		1	095
220		1981	03	08.88193	10	23	34.54	-02	05	51.9		1	095
1981	EJ49*	1981	03	08.88193	10	27	54.42	-06	47	21.2	15.5	1	095
1981	EK49*	1981	03	08.88193	10	31	42.38	-08	00	05.5	17.0		095
1981	EL49*	1981	03	08.88193	10	36	05.35	-01	41	46.0	18.0	1	095
1981	EM49*	1981	03	08.88193	10	36	43.57	-02	08	42.8	17.5	1	095
2205		1981	03	08.88193	10	44	38.06	-06	09	19.2	17.5		095
1365		1981	03	08.88193	10	47	53.45	-02	37	28.3			095
1981	EN49*	1981	03	08.88193	10	50	03.84	-06	41	25.8	17.0		095
1981	EO49*	1981	03	08.88193	10	50	35.42	-05	00	21.1	17.5		095
1981	EP49*	1981	03	08.88193	10	51	42.71	-04	00	47.4	17.0		095
1981	EQ49*	1981	03	08.88193	10	52	36.92	-08	00	42.7	17.0		095
2393		1981	03	08.88193	11	01	17.38	-06	15	19.8		1	095
12		1981	03	08.88193	11	03	22.82	-07	15	17.2		1	095
2919		1981	03	08.95108	11	44	13.47	+02	07	59.9		1	095
3059		1981	03	08.95108	11	44	48.02	+00	59	29.3	17.5	1	095
1981	EB20	1981	03	08.95108	11	46	40.53	-00	53	34.2	17.5	1	095
969		1981	03	08.95108	11	49	32.68	-02	20	34.0		1	095

1802		1981 03 08.95108	11 50 31.33	+03 20 30.0		095
1953		1981 03 08.95108	11 50 39.71	+04 43 00.3		095
1981 FQ		1981 03 08.95108	11 50 53.22	+01 18 15.8	17.5	095
1824		1981 03 08.95108	11 51 22.38	+02 05 15.6		095
1018		1981 03 08.95108	11 51 36.22	+01 58 07.4		095
1981 ER49*		1981 03 08.95108	11 53 16.47	+04 11 02.0	17.5	095
1981 GO1		1981 03 08.95108	11 54 36.51	+02 19 15.3	17.5	095
1981 EF30		1981 03 08.95108	11 54 38.00	+02 54 37.2	17.5	095
658		1981 03 08.95108	11 55 31.74	+00 18 44.6		095
1981 EP		1981 03 08.95108	11 55 49.45	+02 23 06.3	17.0	095
1981 ET22		1981 03 08.95108	11 57 03.91	+03 08 32.0	17.5	095
1981 EU22		1981 03 08.95108	11 57 08.39	-00 43 03.6	17.5	095
1242		1981 03 08.95108	11 57 38.51	-01 31 37.3		095
2884		1981 03 08.95108	11 58 02.28	+02 22 43.3		095
569		1981 03 08.95108	11 59 02.92	-01 42 41.7		095
1981 GM1		1981 03 08.95108	11 59 03.32	+04 02 16.1	17.0	095
2886		1981 03 08.95108	12 00 32.60	+02 12 14.9	17.5	095
1981 EY35		1981 03 08.95108	12 02 13.26	+00 46 45.7	17.5	095
2296		1981 03 08.95108	12 02 14.08	+01 18 30.6		095
1981 ES49*		1981 03 08.95108	12 03 47.43	+03 53 57.9	16.5	095
2923		1981 03 08.95108	12 04 26.33	-00 58 22.8	17.0	095
959		1981 03 08.95108	12 11 25.22	+04 33 56.6		095
435		1981 03 08.95108	12 12 31.03	-00 04 35.2		095
991		1981 03 08.95108	12 14 09.94	+01 21 51.7	17.5	095
279		1981 03 08.95108	12 15 08.02	+01 30 25.9		1 095
2264		1981 03 08.95108	12 16 39.24	-02 00 32.0		1 095
2396		1981 03 29.86155	10 46 33.72	+11 52 31.0		1 095
522		1981 03 29.86155	10 56 14.10	+11 34 46.4		1 095
1981 FD1 *		1981 03 29.86155	10 56 36.74	+12 12 22.7	17.0	3 095
1088		1981 03 29.86155	10 58 03.55	+18 08 36.1		095
2199		1981 03 29.86155	11 05 14.01	+12 32 05.4		095
2239		1981 03 29.86155	11 06 18.60	+14 01 09.1		095
425		1981 03 29.86155	11 08 38.78	+11 45 23.2		1 095
953		1981 03 29.86155	11 16 33.94	+14 13 04.3		095
1981 FE1 *		1981 03 29.86155	11 16 50.90	+14 53 16.0	17.5	095
272		1981 03 29.95426	12 15 19.64	+02 24 22.8		1 095
140		1981 03 29.95426	12 16 34.49	+03 21 51.7		1 095
217		1981 03 29.95426	12 18 09.56	+04 07 25.5		1 095
2181		1981 03 29.95426	12 19 59.67	+02 41 08.7		1 095
1981 FF1 *		1981 03 29.95426	12 28 10.90	+06 50 49.6	17.0	095
1981 FG1 *		1981 03 29.95426	12 28 19.47	+06 45 53.4	17.0	2 095
1981 FH1 *		1981 03 29.95426	12 29 04.62	+06 39 09.8	17.0	095
100		1981 03 29.95426	12 32 08.47	+05 05 17.5		095
1981 FJ1 *		1981 03 29.95426	12 33 29.19	+01 16 19.9	17.0	1 095
1056		1981 03 29.95426	12 34 30.24	+06 12 24.6		095
723		1981 03 29.95426	12 35 21.44	-00 24 48.7		1 095
1981 FK1 *		1981 03 29.95426	12 36 38.90	+04 51 40.7	17.0	2 095
1132		1981 03 29.95426	12 41 21.18	-00 04 25.9		1 095
2246		1981 03 29.95426	12 41 50.20	+00 56 48.6		1 095
1618		1981 03 29.95426	12 41 51.82	+00 51 50.5		1 095
538		1981 03 29.95426	12 42 42.36	+02 34 30.2		095
53		1981 03 29.95426	12 48 05.22	+01 29 23.2		095
947		1981 03 29.95426	12 49 48.63	+00 58 34.7		1 095
348		1981 03 31.83688	10 45 15.94	+22 32 28.7		1 095
1693		1981 03 31.83688	10 51 25.48	+24 41 41.2		095
486		1981 03 31.83688	10 52 26.88	+27 35 53.7		1 095
680		1981 03 31.83688	10 58 27.14	+28 03 50.2		1 095
1981 FL1 *		1981 03 31.83688	10 58 39.90	+21 19 22.7	16.5	095
1801		1981 03 31.83688	11 09 10.69	+22 29 46.8		095

1341		1981	03	31.83688	11	09	45.46	+24	26	29.3		095
511		1981	03	31.83688	11	12	46.14	+26	34	02.8		095
183		1981	03	31.83688	11	14	57.36	+24	33	02.3		095
1981	FM1 *	1981	03	31.83688	11	15	50.10	+24	39	32.3	17.0	095
2621		1981	03	31.83688	11	16	02.48	+22	48	35.2		095
2078		1981	09	01.80207	20	01	47.63	+06	54	04.6		095
2577		1981	09	01.80207	20	16	50.00	+07	17	20.4		095
2078		1981	09	02.82007	20	00	58.78	+07	01	05.5		095
2577		1981	09	02.82007	20	16	20.28	+06	58	24.8	2	095
119		1981	09	02.87142	21	47	31.10	-05	16	19.6	1	095
1981	RX2 *	1981	09	02.87142	21	49	53.88	-06	26	34.6	16.5	1 095
2033		1981	09	02.87142	21	50	04.44	-10	12	52.9		1 095
2854		1981	09	02.87142	21	50	26.22	-06	03	24.5	17.0	1 095
1981	RY2 *	1981	09	02.87142	21	53	07.07	-08	30	49.5	16.5	1 095
1981	RZ2 *	1981	09	02.87142	21	53	40.87	-10	58	23.6	16.5	095
18		1981	09	02.87142	21	54	18.88	-14	00	56.0		1 095
1981	RA3 *	1981	09	02.87142	21	54	35.97	-12	40	36.9	17.5	095
1938	AD	1981	09	02.87142	21	54	42.00	-10	34	50.2	17.5	095
1981	RB3 *	1981	09	02.87142	21	57	39.66	-09	19	22.6	17.5	095
1933		1981	09	02.87142	22	00	14.63	-09	39	32.4		095
1981	RC3 *	1981	09	02.87142	22	00	56.44	-08	50	39.8	17.5	095
1981	RD3 *	1981	09	02.87142	22	01	39.28	-13	46	18.9	17.0	1 095
2465		1981	09	02.87142	22	03	11.88	-07	38	01.2		095
1981	RE3 *	1981	09	02.87142	22	05	36.25	-07	52	16.5	17.0	095
555		1981	09	02.87142	22	07	01.16	-13	02	05.9		095
1981	RF3 *	1981	09	02.87142	22	10	33.97	-08	44	07.9	17.5	095
1981	QR	1981	09	02.87142	22	10	43.68	-10	31	05.0	17.5	095
1981	RG3 *	1981	09	02.87142	22	11	06.06	-11	12	50.0	17.5	095
2610		1981	09	02.87142	22	11	20.72	-10	10	22.4		095
1878		1981	09	02.87142	22	12	31.25	-09	30	12.9		095
202		1981	09	02.87142	22	13	00.06	-14	45	34.0	3	095
1381		1981	09	02.87142	22	13	49.32	-13	42	13.7	1	095
1981	QT	1981	09	02.87142	22	16	28.03	-08	39	59.2	17.0	095
2719		1981	09	02.87142	22	16	50.94	-11	17	56.9		095
1981	RH3 *	1981	09	02.87142	22	17	09.37	-10	16	02.5	17.5	095
1958		1981	09	02.87142	22	18	46.03	-13	44	44.5	1	095
73		1981	09	02.87142	22	20	44.72	-12	28	04.7		095
1981	RJ3 *	1981	09	02.87142	22	20	52.25	-09	04	41.8	17.0	095
1777		1981	09	02.87142	22	21	08.31	-10	09	15.4		095
1981	RK3 *	1981	09	02.87142	22	21	36.15	-08	48	54.7	17.5	2 095
147		1981	09	02.87142	22	22	08.85	-07	06	40.7		095
2848		1981	09	02.87142	22	26	37.41	-09	48	17.9	1	095
125		1981	09	02.94484	23	37	21.00	-02	25	05.5	1	095
1981	SU2	1981	09	02.94484	23	38	11.75	+00	12	12.8	17.0	1 095
1981	SW	1981	09	02.94484	23	41	07.35	+03	28	07.8	16.0	1 095
2126		1981	09	02.94484	23	42	49.12	+04	31	15.7	1	095
2853		1981	09	02.94484	23	48	59.60	+03	31	29.4	1	095
1981	RM3 *	1981	09	02.94484	23	51	09.50	+01	25	20.1	17.5	095
1981	RN3 *	1981	09	02.94484	23	51	20.12	+00	57	05.0	17.5	095
1981	TW	1981	09	02.94484	23	52	01.91	+01	41	52.6	17.0	095
1858		1981	09	02.94484	23	52	31.47	+02	02	04.4		095
1981	RO3 *	1981	09	02.94484	23	54	31.69	+04	04	18.4	17.5	1 095
1981	QD	1981	09	02.94484	23	55	24.88	+01	40	27.3	17.5	095
1981	QE	1981	09	02.94484	23	56	18.28	+01	02	59.6	16.5	095
645		1981	09	02.94484	23	56	24.44	-01	56	47.7		095
766		1981	09	02.94484	23	56	57.28	-05	02	43.5		095
268		1981	09	02.94484	23	57	31.54	-03	10	25.0		095
2527		1981	09	02.94484	23	57	42.22	+01	16	38.2		095
1576		1981	09	02.94484	23	58	01.72	-00	21	54.0		095

1162		1981	09	02.94484	23	58	20.90	-02	08	31.5			095
1981	RP3 *	1981	09	02.94484	23	58	29.10	-01	49	30.8	17.5		095
1981	SY1	1981	09	02.94484	23	59	15.63	+04	02	28.9	17.0	1	095
2481		1981	09	02.94484	23	59	23.38	-02	09	46.7			095
2489		1981	09	02.94484	00	01	30.26	-02	30	04.3			095
603		1981	09	02.94484	00	03	24.49	+02	53	56.7			095
2902		1981	09	02.94484	00	08	53.84	+02	25	02.9			095
2730		1981	09	02.94484	00	08	59.14	-01	13	16.0			095
2011		1981	09	02.94484	00	09	27.63	+04	06	10.2		1	095
2506		1981	09	02.94484	00	10	03.57	+00	27	56.6			095
1111		1981	09	02.94484	00	10	57.15	-03	09	33.2			095
254		1981	09	02.94484	00	11	52.38	-04	03	32.4			095
1981	QK	1981	09	02.94484	00	12	41.07	-00	46	00.5	17.0	1	095
2534		1981	09	02.94484	00	16	12.42	+01	34	32.9		1	095
794		1981	09	02.94484	00	17	31.41	-00	26	11.0		1	095
299		1981	09	03.01714	00	52	38.18	+08	07	10.0		1	095
1981	RQ3 *	1981	09	03.01714	00	56	34.84	+01	35	10.4	17.0	1	095
158		1981	09	03.01714	00	59	04.28	+07	53	32.2			095
1012		1981	09	03.01714	01	02	15.24	+00	04	34.4		1	095
1981	RR3 *	1981	09	03.01714	01	04	30.24	+05	13	50.7	16.0		095
2279		1981	09	03.01714	01	05	18.34	+03	40	14.5			095
1981	RS3 *	1981	09	03.01714	01	05	40.76	+05	39	16.3	17.0		095
311		1981	09	03.01714	01	05	47.31	+02	07	23.4			095
483		1981	09	03.01714	01	06	33.49	+01	31	52.9			095
1335		1981	09	03.01714	01	07	26.09	+06	33	16.5			095
1981	RT3 *	1981	09	03.01714	01	07	59.91	+09	44	54.8	16.0	1	095
1981	RU3 *	1981	09	03.01714	01	08	05.98	+07	20	02.3	17.0		095
2096		1981	09	03.01714	01	08	23.48	+08	55	03.6		1	095
1981	RV3 *	1981	09	03.01714	01	08	26.61	+04	22	47.8	17.0		095
5		1981	09	03.01714	01	10	49.08	+01	46	54.4			095
2160		1981	09	03.01714	01	10	52.97	+03	58	16.4			095
106		1981	09	03.01714	01	11	03.76	+01	09	21.0		1	095
1928		1981	09	03.01714	01	12	38.57	+07	36	22.2			095
2121		1981	09	03.01714	01	13	14.15	+02	48	34.0			095
1981	SE1	1981	09	03.01714	01	13	56.50	+04	59	43.7	17.0		095
561		1981	09	03.01714	01	15	02.67	+06	54	13.6			095
1981	RW3 *	1981	09	03.01714	01	15	47.72	+04	52	46.4			095
2899		1981	09	03.01714	01	19	10.94	+06	22	46.1			095
3256		1981	09	03.01714	01	20	12.40	+05	50	29.4			095
1403		1981	09	03.01714	01	20	59.65	+00	32	01.7		1	095
2533		1981	09	03.01714	01	21	00.77	+09	08	02.4		1	095
1981	RX3 *	1981	09	03.01714	01	21	10.74	+09	30	31.9	16.0	1	095
76		1981	09	03.01714	01	22	56.51	+09	26	00.6		1	095
761		1981	09	03.01714	01	23	01.17	+07	48	40.5			095
848		1981	09	03.01714	01	24	02.10	+09	23	47.3		1	095
1812		1981	09	03.01714	01	24	10.46	+06	12	16.8			095
1981	SM1	1981	09	03.01714	01	24	29.65	+06	16	46.7			095
1030		1981	09	03.01714	01	26	39.83	+07	47	37.8		1	095
1981	RY3 *	1981	09	03.01714	01	29	16.09	+04	44	24.4		1	095
697		1981	09	03.01714	01	31	31.69	+05	50	52.9		1	095
1981	RZ3 *	1981	09	05.85972	22	04	41.97	+01	33	30.5	16.0		095
1985		1981	09	05.85972	22	04	57.06	+01	30	00.9			095
901		1981	09	05.85972	22	05	37.31	-03	24	56.4			095
1981	RA4 *	1981	09	05.85972	22	06	42.19	-00	37	51.9	16.0		095
1059		1981	09	05.85972	22	09	21.19	+01	28	09.4			095
1981	QN	1981	09	05.85972	22	10	44.60	-00	53	57.4	16.0		095
1981	RB4 *	1981	09	05.85972	22	13	38.22	-04	12	02.8	17.0		095
1477		1981	09	05.85972	22	17	45.97	-02	36	02.8			095
552		1981	09	05.85972	22	18	23.78	+00	48	57.6			095

1857		1981 09 05.85972	22 18 26.13	-01 47 07.1			095
2679		1981 09 05.85972	22 19 40.22	+02 08 32.3			095
1981 QZ		1981 09 05.85972	22 20 46.91	+02 08 52.5	16.5	1	095
1371		1981 09 05.85972	22 30 23.82	+01 51 18.9		1	095
2513		1981 09 05.85972	22 31 27.57	-02 01 28.7			095
2196		1981 09 05.85972	22 33 31.38	+02 50 51.7		1	095
1981 RC4 *		1981 09 05.93054	22 52 58.03	-06 20 37.3	17.5	1	095
1984 CO1		1981 09 05.93054	22 55 57.34	-06 52 10.3	17.0	1	095
1981 RD4 *		1981 09 05.93054	22 56 15.28	-07 42 46.6	17.5	1	095
1981 RE4 *		1981 09 05.93054	22 56 41.32	-05 14 19.5	17.0	1	095
1981 RF4 *		1981 09 05.93054	22 57 11.63	-05 32 28.4	17.5	1	095
1135		1981 09 05.93054	22 58 35.75	-07 42 21.1			095
1981 RG4 *		1981 09 05.93054	22 59 37.13	-06 42 26.3	17.5		095
1737		1981 09 05.93054	23 02 19.35	-01 35 35.7			095
1981 RQ1		1981 09 05.93054	23 02 40.75	-06 53 29.9	17.5		095
1487		1981 09 05.93054	23 03 14.03	-09 30 56.1			095
975		1981 09 05.93054	23 03 17.72	-09 35 51.5			095
2852		1981 09 05.93054	23 04 06.44	-08 26 05.0			095
1981 QA1		1981 09 05.93054	23 04 08.94	-02 46 48.0	17.5		095
1887		1981 09 05.93054	23 05 27.28	-07 12 17.0			095
2524		1981 09 05.93054	23 05 48.47	-05 21 55.2			095
1981 RH4 *		1981 09 05.93054	23 06 03.75	-03 07 40.7	17.5		095
2032		1981 09 05.93054	23 06 17.41	-07 39 21.2			095
28		1981 09 05.93054	23 06 36.25	-10 44 08.0		1	095
2509		1981 09 05.93054	23 07 22.66	-05 33 08.3			095
3096		1981 09 05.93054	23 08 11.53	-04 00 52.3	16.0		095
1981 RJ4 *		1981 09 05.93054	23 08 27.88	-02 22 20.7	17.5	1	095
1981 RK4 *		1981 09 05.93054	23 09 54.53	-03 00 37.8	17.5		095
1981 QR3		1981 09 05.93054	23 10 01.04	-10 11 21.0	17.0	1	095
2087		1981 09 05.93054	23 11 03.38	-08 43 59.7			095
1981 RL4 *		1981 09 05.93054	23 11 05.00	-01 52 40.2	17.5	3	095
1981 QE3		1981 09 05.93054	23 11 16.25	-09 35 13.5	17.0		095
1877		1981 09 05.93054	23 11 38.75	-09 09 59.4			095
3123		1981 09 05.93054	23 11 58.19	-07 53 11.1			095
317		1981 09 05.93054	23 12 42.88	-05 58 02.0			095
1981 QE2		1981 09 05.93054	23 13 20.22	-09 01 39.5	16.5		095
1178		1981 09 05.93054	23 13 30.38	-04 15 15.6			095
1981 RM4 *		1981 09 05.93054	23 14 08.72	-02 09 12.9	17.0	1	095
35		1981 09 05.93054	23 14 41.75	-06 40 05.4			095
1981 RN4 *		1981 09 05.93054	23 15 55.19	-07 44 19.7	17.0		095
1981 RO4 *		1981 09 05.93054	23 16 27.78	-04 29 10.5	17.5		095
1981 RP4 *		1981 09 05.93054	23 17 08.18	-02 23 40.2	17.0	1	095
2863		1981 09 05.93054	23 17 34.38	-07 04 15.4			095
1981 QH2		1981 09 05.93054	23 18 25.00	-06 26 30.7	17.0		095
1949 PQ		1981 09 05.93054	23 19 28.97	-06 19 39.0	17.5		095
1999		1981 09 05.93054	23 19 55.82	-10 08 43.9		1	095
1981 RQ4 *		1981 09 05.93054	23 20 06.88	-02 56 24.9	17.0		095
1981 RR4 *		1981 09 05.93054	23 20 26.10	-02 12 07.9	17.0	1	095
1043		1981 09 05.93054	23 22 07.91	-06 02 48.6			095
1443		1981 09 05.93054	23 22 56.88	-03 34 37.1			095
1980 FV		1981 09 05.93054	23 25 51.66	-02 47 13.6	17.5		095
1981 TP		1981 09 05.93054	23 26 41.00	-04 43 29.5	17.5	1	095
1981 QJ2		1981 09 05.93054	23 27 09.22	-06 52 26.5	17.5	1	095
1305		1981 09 05.93054	23 27 25.44	-07 05 36.7		1	095
2533		1981 09 05.99789	01 20 18.95	+09 02 34.6			095
1092		1981 09 05.99789	01 20 30.67	+15 44 38.3		1	095
2557		1981 09 05.99789	01 21 42.42	+09 29 13.2			095
761		1981 09 05.99789	01 21 59.92	+07 44 04.8		1	095
76		1981 09 05.99789	01 22 04.57	+09 19 46.1			095

848		1981	09	05.99789	01	23	15.57	+09	18	19.5		095
2590		1981	09	05.99789	01	23	30.88	+15	36	24.1	1	095
1030		1981	09	05.99789	01	25	46.04	+07	32	09.3	1	095
1279		1981	09	05.99789	01	29	51.70	+14	43	30.9		095
1615		1981	09	05.99789	01	36	29.45	+08	26	00.0	1	095
1791		1981	09	05.99789	01	37	55.90	+11	08	56.3	2	095
1425		1981	09	05.99789	01	43	35.82	+08	20	00.4		095
1495		1981	09	05.99789	01	46	37.03	+10	51	21.6		095
149		1981	09	05.99789	01	47	38.68	+10	17	06.8		095
63		1981	09	05.99789	01	47	45.68	+16	24	50.2		095
642		1981	09	05.99789	01	49	33.35	+13	10	28.8		095
1354		1981	09	05.99789	01	49	47.89	+09	18	42.7	1	095
1998		1981	09	05.99789	01	50	08.22	+15	49	30.9	1	095
178		1981	09	05.99789	01	51	10.31	+09	33	17.5	1	095
114		1981	09	08.94666	00	17	28.84	-00	01	43.2	1	095
1981	RS4 *	1981	09	08.94666	00	18	23.37	+01	08	20.5	16.5	1 095
1518		1981	09	08.94666	00	20	39.12	-05	21	52.2	1	095
1981	RT4 *	1981	09	08.94666	00	24	51.17	+00	03	20.2	17.5	095
1981	RU4 *	1981	09	08.94666	00	25	22.82	-00	56	00.6	17.0	095
1981	RV4 *	1981	09	08.94666	00	25	29.74	+02	47	54.4	16.5	1 095
1696		1981	09	08.94666	00	25	32.70	-01	31	28.2		095
1981	SD2	1981	09	08.94666	00	26	07.94	-05	32	02.8	17.0	1 095
1981	RW4 *	1981	09	08.94666	00	26	44.90	-03	01	59.6	16.5	095
2857		1981	09	08.94666	00	28	00.48	-01	47	42.4		095
1981	RX4 *	1981	09	08.94666	00	28	16.48	+01	06	36.7	17.0	095
1981	SF2	1981	09	08.94666	00	28	16.76	-04	06	00.8	17.0	095
1981	RY4 *	1981	09	08.94666	00	29	10.95	-06	06	57.8	17.0	3 095
1981	RZ4 *	1981	09	08.94666	00	29	37.78	-05	18	49.5	17.0	3 095
1981	RA5 *	1981	09	08.94666	00	31	47.10	-05	34	40.0	17.0	1 095
1981	RB5 *	1981	09	08.94666	00	33	35.94	-01	43	44.2	17.0	095
749		1981	09	08.94666	00	33	59.96	-05	29	38.0		1 095
1981	RC5 *	1981	09	08.94666	00	34	01.08	+02	11	40.7	16.5	1 095
725		1981	09	08.94666	00	34	11.06	-03	42	01.2		095
746		1981	09	08.94666	00	34	33.19	+02	53	08.4		1 095
1981	RD5 *	1981	09	08.94666	00	34	53.00	+01	19	54.0	16.5	095
1521		1981	09	08.94666	00	35	52.04	-02	10	58.3		095
1981	RE5 *	1981	09	08.94666	00	37	24.46	-00	59	28.0	17.5	095
1981	RF5 *	1981	09	08.94666	00	39	15.48	+00	35	56.0	16.0	095
1180		1981	09	08.94666	00	40	00.50	-06	20	54.6		1 095
1981	RG5 *	1981	09	08.94666	00	41	01.38	-01	07	47.8	16.0	095
1981	RH5 *	1981	09	08.94666	00	42	53.70	+01	43	15.1	17.5	1 095
2413		1981	09	08.94666	00	43	14.34	+00	06	38.0		095
1981	RJ5 *	1981	09	08.94666	00	43	34.36	+01	45	55.0	17.0	1 095
1378		1981	09	08.94666	00	45	24.12	+00	36	34.7		095
1981	RK5 *	1981	09	08.94666	00	46	12.28	-02	06	23.9	16.5	095
1981	RL5 *	1981	09	08.94666	00	47	22.25	-04	43	18.7	16.5	095
21		1981	09	08.94666	00	48	16.56	-00	55	38.4		095
676		1981	09	08.94666	00	51	32.37	-05	38	14.4	1	095
868		1981	09	08.94666	00	54	44.68	-03	41	22.6	1	095
2429		1981	09	08.94666	00	57	14.90	-01	33	30.0	1	095
697		1981	09	09.01749	01	28	45.13	+06	11	08.2	1	095
2162		1981	09	09.01749	01	29	18.74	+04	24	44.6	1	095
2558		1981	09	09.01749	01	31	54.89	+02	37	33.4	1	095
1063		1981	09	09.01749	01	32	44.00	-00	30	19.4	1	095
1615		1981	09	09.01749	01	35	57.63	+08	19	47.9	1	095
2837		1981	09	09.01749	01	37	20.41	+06	41	37.3		095
1425		1981	09	09.01749	01	42	48.90	+08	01	30.0	1	095
339		1981	09	09.01749	01	45	31.97	+05	48	05.9		095
52		1981	09	09.01749	01	53	33.35	+01	41	23.8		095

1981	RM5	*	1981	09	09.01749	01	54	19.27	+03	56	47.3		095
2284			1981	09	09.01749	01	54	24.53	+05	28	24.3		095
1981	RN5	*	1981	09	09.01749	01	59	35.54	+01	38	47.2	16.5	2 095
520			1981	09	09.01749	02	03	40.07	+07	18	20.3		1 095
489			1981	09	09.01749	02	03	43.40	+03	12	15.5		1 095
1985			1981	09	23.77543	21	52	54.22	+00	46	36.1		095
1981	SL3	*	1981	09	23.77543	21	54	50.81	-00	24	53.2	16.0	095
1981	SM3	*	1981	09	23.77543	21	55	59.69	-02	14	10.9	16.0	095
901			1981	09	23.77543	21	57	42.88	-04	33	25.0		095
1981	QN		1981	09	23.77543	22	00	10.53	-02	20	55.0	16.0	095
1059			1981	09	23.77543	22	00	17.56	-01	26	45.5		095
1477			1981	09	23.77543	22	02	37.00	-02	44	21.4		095
403			1981	09	23.77543	22	04	04.60	+02	02	30.6		1 095
1857			1981	09	23.77543	22	04	41.50	-03	45	28.2		095
552			1981	09	23.77543	22	07	11.19	-00	28	31.8		095
2679			1981	09	23.77543	22	07	29.25	-00	09	06.8		095
1981	QZ		1981	09	23.77543	22	08	16.97	+00	36	28.6	16.5	095
2513			1981	09	23.77543	22	19	11.82	-03	32	34.4		1 095
1981	SN3	*	1981	09	23.77543	22	19	37.60	-00	54	04.3		1 095
1135			1981	09	23.84903	22	43	37.22	-08	26	54.8		095
975			1981	09	23.84903	22	49	17.53	-10	47	08.3		095
1887			1981	09	23.84903	22	50	14.54	-07	33	41.4		095
2852			1981	09	23.84903	22	50	27.94	-09	54	00.6		095
1487			1981	09	23.84903	22	50	49.88	-10	46	33.4		095
2509			1981	09	23.84903	22	52	38.82	-06	22	18.0		095
2524			1981	09	23.84903	22	53	04.38	-06	40	42.2		095
2032			1981	09	23.84903	22	53	12.93	-08	48	54.5		095
28			1981	09	23.84903	22	53	17.53	-12	44	27.4		095
2087			1981	09	23.84903	22	54	27.60	-10	28	07.0		095
317			1981	09	23.84903	22	57	31.78	-07	53	03.8		095
3096			1981	09	23.84903	22	57	32.28	-07	41	47.6	16.0	095
1877			1981	09	23.84903	22	57	34.00	-09	04	25.0		095
3123			1981	09	23.84903	22	57	43.90	-09	35	01.7		095
35			1981	09	23.84903	23	00	42.38	-07	34	34.6		095
2863			1981	09	23.84903	23	05	08.25	-08	31	12.2		095
1443			1981	09	23.84903	23	09	40.75	-05	12	27.9		1 095
1043			1981	09	23.84903	23	10	03.50	-08	10	09.1		1 095
1305			1981	09	23.84903	23	14	01.75	-08	25	07.9		1 095
1659			1981	09	25.76829	21	30	09.38	-14	38	26.0		1 095
2854			1981	09	25.76829	21	34	44.97	-07	20	06.8	17.0	1 095
119			1981	09	25.76829	21	35	27.60	-07	38	53.5		095
1981	SO3	*	1981	09	25.76829	21	39	43.16	-11	27	54.5	16.5	095
1933			1981	09	25.76829	21	47	38.25	-12	39	33.9		095
2465			1981	09	25.76829	21	48	59.47	-08	46	38.4		095
555			1981	09	25.76829	21	53	23.63	-14	21	39.5		095
1381			1981	09	25.76829	21	56	52.12	-13	53	02.1		095
2719			1981	09	25.76829	21	58	09.25	-13	04	27.4		095
1958			1981	09	25.76829	22	02	31.69	-13	24	22.2		095
73			1981	09	25.76829	22	04	13.00	-13	33	19.9		095
1777			1981	09	25.76829	22	04	18.31	-11	16	12.4		095
147			1981	09	25.76829	22	07	48.94	-08	36	45.6		1 095
1837			1981	09	25.84120	22	33	39.63	-02	25	11.3		1 095
1023			1981	09	25.84120	22	33	49.81	-01	39	59.8		1 095
1981	RM		1981	09	25.84120	22	34	59.81	-00	16	22.5	17.5	1 095
1981	SP3	*	1981	09	25.84120	22	37	06.44	-03	15	55.7	17.0	095
1984	CO1		1981	09	25.84120	22	39	47.06	-07	22	25.6	16.0	1 095
1981	SQ3	*	1981	09	25.84120	22	40	09.66	-00	15	28.1	16.7	095
1981	SR3	*	1981	09	25.84120	22	42	46.37	-07	22	26.4	17.0	1 095
377			1981	09	25.84120	22	42	49.38	-00	41	43.7		095

1981	QG1	1981	09	25.84120	22	43	11.34	-04	47	27.7	16.5	095
1981	SS3 *	1981	09	25.84120	22	43	14.84	-00	40	39.3	17.5	095
1981	ST3 *	1981	09	25.84120	22	43	29.94	+01	05	09.2	17.0	1 095
1737		1981	09	25.84120	22	46	46.06	-02	28	17.3		095
2529		1981	09	25.84120	22	47	14.97	-02	52	09.6		095
1611		1981	09	25.84120	22	48	35.66	-01	04	03.7		095
1887		1981	09	25.84120	22	48	44.91	-07	34	56.0		1 095
38		1981	09	25.84120	22	50	05.88	+01	59	12.1		1 095
2509		1981	09	25.84120	22	51	19.16	-06	26	14.8	15.5	095
1981	SU3 *	1981	09	25.84120	22	51	19.72	-03	29	41.6	16.5	095
1981	SV3 *	1981	09	25.84120	22	51	21.44	-04	41	24.2	17.5	095
1981	SW3 *	1981	09	25.84120	22	51	39.60	-04	08	09.7	17.0	095
2524		1981	09	25.84120	22	51	51.25	-06	48	17.5	15.0	1 095
1981	SX3 *	1981	09	25.84120	22	56	51.78	-03	59	08.4	17.5	095
1981	SY3 *	1981	09	25.84120	22	56	53.94	-03	06	48.1	17.0	095
305		1981	09	25.84120	22	57	09.22	-02	22	03.2		095
1981	SZ3 *	1981	09	25.84120	22	58	20.06	-02	49	52.2	17.0	095
517		1981	09	25.84120	22	59	04.88	-01	14	56.7		095
35		1981	09	25.84120	22	59	16.91	-07	39	42.8		1 095
1981	SA4 *	1981	09	25.84120	22	59	58.22	-02	34	24.3	16.8	095
1981	SU1	1981	09	25.84120	23	01	35.41	-06	56	59.2	17.5	1 095
1981	SB4 *	1981	09	25.84120	23	01	52.06	-06	06	56.8	17.0	095
1981	SC4 *	1981	09	25.84120	23	03	25.44	-05	02	50.6	17.5	095
1443		1981	09	25.84120	23	08	19.07	-05	22	37.5		1 095
1981	SD4 *	1981	09	25.84120	23	08	19.72	-00	13	29.2	17.0	095
1420		1981	09	25.84120	23	10	32.44	+00	51	02.3		1 095
1981	SE4 *	1981	09	25.91515	23	28	12.25	-02	15	39.4	17.5	1 095
1606		1981	09	25.91515	23	30	29.75	+00	35	03.4		1 095
2853		1981	09	25.91515	23	30	33.50	+00	39	29.5	16.0	1 095
1981	SF4 *	1981	09	25.91515	23	31	09.19	-03	31	36.1	17.5	095
1981	SG4 *	1981	09	25.91515	23	32	07.41	+00	30	54.0	18.0	095
373		1981	09	25.91515	23	32	40.78	-06	55	49.4		1 095
1981	SH4 *	1981	09	25.91515	23	33	39.97	-02	45	38.8	18.0	095
1981	SP	1981	09	25.91515	23	33	51.75	-02	16	11.8	18.0	095
1858		1981	09	25.91515	23	34	03.31	+00	06	10.1		095
1981	SJ4 *	1981	09	25.91515	23	34	59.25	-01	02	33.0	18.0	095
1981	SQ	1981	09	25.91515	23	35	00.38	-00	48	52.5	17.5	095
1981	TW	1981	09	25.91515	23	35	07.31	+00	06	34.2	17.0	095
1981	SK4 *	1981	09	25.91515	23	36	07.57	+01	59	50.8	17.5	1 095
1981	QD	1981	09	25.91515	23	36	25.63	+00	30	32.8	17.5	095
766		1981	09	25.91515	23	37	52.31	-05	54	13.8		095
645		1981	09	25.91515	23	38	43.10	-03	03	34.8		095
1981	QE	1981	09	25.91515	23	39	49.03	-01	02	19.5	17.0	095
1981	SL4 *	1981	09	25.91515	23	39	53.44	-04	28	20.1	18.0	095
2527		1981	09	25.91515	23	41	11.00	-01	18	16.3		095
268		1981	09	25.91515	23	41	36.16	-05	02	37.3		095
2481		1981	09	25.91515	23	41	39.53	-03	17	24.2		095
1576		1981	09	25.91515	23	41	50.50	-02	16	04.0		095
3149		1981	09	25.91515	23	42	12.40	+00	24	53.3		095
1981	SM4 *	1981	09	25.91515	23	42	39.72	-03	51	02.5	17.5	095
603		1981	09	25.91515	23	42	43.18	+01	42	41.3		095
1981	SN4 *	1981	09	25.91515	23	43	32.60	-01	33	50.9	18.0	095
1981	SJ	1981	09	25.91515	23	44	27.25	+00	14	12.4	17.5	095
1162		1981	09	25.91515	23	44	34.88	-03	32	50.9		095
2489		1981	09	25.91515	23	44	37.91	-04	13	29.8		095
1981	QF	1981	09	25.91515	23	44	38.72	+00	55	15.4	17.5	1 095
1981	SO4 *	1981	09	25.91515	23	45	49.94	-01	19	17.5	18.0	095
757		1981	09	25.91515	23	47	52.85	-07	58	32.9		095
1981	QG	1981	09	25.91515	23	48	03.53	-00	56	48.8	17.5	095

1981	SP4 *	1981	09	25.91515	23	48	24.03	+01	41	01.1	18.0	1	095
254		1981	09	25.91515	23	48	37.63	-05	42	44.5			095
2730		1981	09	25.91515	23	48	57.35	-02	21	51.3			095
1981	SQ4 *	1981	09	25.91515	23	49	09.25	-03	30	37.5	18.0		095
1981	RF	1981	09	25.91515	23	49	59.94	-07	40	42.7		1	095
1981	SB2	1981	09	25.91515	23	50	45.60	-05	11	57.5	18.0		095
1981	QK	1981	09	25.91515	23	51	22.85	-00	41	02.5	17.0		095
1981	SR4 *	1981	09	25.91515	23	51	24.44	+00	41	16.6	18.0	1	095
1981	SS4 *	1981	09	25.91515	23	52	34.81	-04	34	16.5	18.0		095
1978	VV6	1981	09	25.91515	23	52	57.25	-05	42	44.2	18.0		095
2506		1981	09	25.91515	23	53	33.38	-01	37	03.2			095
1981	ST4 *	1981	09	25.91515	23	53	45.94	-00	22	05.8	18.0		095
2902		1981	09	25.91515	23	53	49.44	-01	07	46.1			095
1981	SU4 *	1981	09	25.91515	23	53	54.88	+01	22	21.8	18.0	1	095
1981	ST	1981	09	25.91515	23	54	29.97	-02	25	54.0	17.0		095
1111		1981	09	25.91515	23	55	05.75	-05	25	40.3			095
1981	TZ	1981	09	25.91515	23	55	07.10	+00	29	04.2	18.0		095
2876		1981	09	25.91515	23	56	00.62	-01	45	19.6			095
1981	SV4 *	1981	09	25.91515	23	56	51.03	-00	06	11.6	17.5		095
1981	QJ	1981	09	25.91515	23	57	08.19	-01	11	54.2			095
1981	SW4 *	1981	09	25.91515	23	58	04.13	-00	02	13.8	17.5		095
1981	SX4 *	1981	09	25.91515	23	58	15.63	-01	19	27.6	18.0	1	095
1544		1981	09	25.91515	23	58	55.19	-05	51	39.1			095
1981	SA2	1981	09	25.91515	00	00	25.80	-03	32	57.8	17.5	1	095
2534		1981	09	25.91515	00	01	01.64	-00	13	14.8		1	095
1981	SY4 *	1981	09	25.91515	00	01	36.42	+00	08	13.4	17.5	1	095
794		1981	09	25.91515	00	01	48.45	-03	05	16.7		1	095
3179		1981	09	25.91515	00	02	01.75	+00	11	02.2	17.0	1	095
1518		1981	09	25.91515	00	03	31.88	-06	10	59.7		1	095
1981	SZ4 *	1981	09	25.91515	00	03	47.50	-00	28	29.6	18.0	1	095
114		1981	09	25.91515	00	04	34.45	-01	51	57.8		1	095
1981	SA5 *	1981	09	25.91515	00	05	53.02	+01	13	33.7	17.0	1	095
1150		1981	09	25.98979	01	54	24.54	+12	44	40.5		1	095
520		1981	09	25.98979	01	56	04.03	+07	22	18.6		1	095
1981	UE10	1981	09	25.98979	01	56	34.28	+09	07	53.9	16.5	1	095
1981	SB5 *	1981	09	25.98979	01	57	05.12	+10	57	23.7	17.0	1	095
1981	VW1	1981	09	25.98979	01	59	58.30	+09	20	19.8	17.0		095
1981	SC5 *	1981	09	25.98979	02	03	04.99	+14	22	44.9	17.0	1	095
1981	VP2	1981	09	25.98979	02	05	23.64	+07	33	48.0	16.5		095
379		1981	09	25.98979	02	05	35.27	+11	21	34.2			095
1981	SD5 *	1981	09	25.98979	02	05	44.34	+11	33	24.0	17.0		095
3128		1981	09	25.98979	02	06	37.37	+08	26	10.2			095
278		1981	09	25.98979	02	08	33.46	+05	34	13.7		1	095
1981	SE5 *	1981	09	25.98979	02	08	38.36	+04	50	06.7	16.0	1	095
2861		1981	09	25.98979	02	09	02.66	+11	30	05.2			095
428		1981	09	25.98979	02	09	38.54	+13	19	16.2		1	095
1981	SF5 *	1981	09	25.98979	02	09	57.59	+11	00	14.4	16.0		095
1981	SG5 *	1981	09	25.98979	02	10	49.04	+12	20	55.1	16.5		095
1981	SH5 *	1981	09	25.98979	02	13	32.22	+12	34	59.8	17.5		095
3133		1981	09	25.98979	02	14	25.78	+08	51	48.0	15.0		095
1664		1981	09	25.98979	02	15	36.74	+10	01	08.2			095
1981	SJ5 *	1981	09	25.98979	02	15	51.55	+11	33	19.0	17.5		095
1981	SK5 *	1981	09	25.98979	02	16	56.28	+08	48	54.0	17.5		095
1981	SL5 *	1981	09	25.98979	02	17	55.79	+09	57	40.6	17.5	2	095
1981	SM5 *	1981	09	25.98979	02	18	04.88	+12	48	53.6	17.0		095
871		1981	09	25.98979	02	18	29.17	+08	49	57.5			095
2515		1981	09	25.98979	02	19	39.96	+10	22	36.2			095
2073		1981	09	25.98979	02	20	09.55	+09	43	23.5			095
2880		1981	09	25.98979	02	24	56.35	+11	20	47.2			095

1981	SN5	*	1981	09	25.98979	02	25	02.17	+11	47	10.4	17.0	095
1981	SO5	*	1981	09	25.98979	02	25	16.13	+10	54	22.7	17.5	095
1981	SP5	*	1981	09	25.98979	02	26	45.52	+13	01	13.8	17.0	095
806			1981	09	25.98979	02	26	53.18	+08	10	21.2		095
1984	SH		1981	09	25.98979	02	29	03.98	+09	31	09.3	17.5	095
1981	SQ5	*	1981	09	25.98979	02	29	14.63	+05	22	33.1	16.5	3 095
1520			1981	09	27.74785	21	26	36.72	+07	54	46.2		095
1981	SR5	*	1981	09	27.74785	21	27	45.94	+06	28	54.1	15.5	095
2559			1981	09	27.97913	02	03	28.78	+20	45	05.4		1 095
1660			1981	09	27.97913	02	16	57.53	+18	49	26.7		2 095
1121			1981	09	27.97913	02	18	38.96	+18	42	23.7		095
139			1981	09	27.97913	02	18	43.52	+21	12	18.8		095
1476			1981	09	27.97913	02	21	53.31	+23	42	57.0		095
994			1981	09	27.97913	02	26	33.62	+25	36	07.2		095
2523			1981	09	27.97913	02	26	38.38	+26	43	44.3		1 095
1068			1981	09	27.97913	02	29	54.82	+22	19	31.2		095
1007			1981	09	27.97913	02	31	35.01	+19	03	38.1		095
133			1981	09	27.97913	02	33	39.25	+24	48	21.8		095
1981	SS5	*	1981	09	27.97913	02	36	13.65	+22	27	45.1	16.0	095
994			1981	09	28.05561	02	26	30.42	+25	36	41.8		1 095
133			1981	09	28.05561	02	33	36.88	+24	48	23.0		095
643			1981	09	28.05561	02	44	08.08	+27	35	24.6		095
800			1981	09	28.05561	02	48	19.31	+23	06	25.2		095
271			1981	09	28.05561	02	52	29.46	+20	58	55.6		1 095
640			1981	09	28.05561	03	00	07.14	+22	54	10.0		095
147			1981	09	28.77029	22	06	30.38	-08	45	56.8		1 095
1981	ST5	*	1981	09	28.77029	22	10	10.53	-11	12	17.0	16.0	1 095
1981	SU5	*	1981	09	28.77029	22	12	40.66	-09	40	46.3	16.5	095
2007			1981	09	28.77029	22	15	14.53	-13	34	47.4		095
1981	SV5	*	1981	09	28.77029	22	15	29.22	-05	53	06.0	16.5	1 095
1981	SW5	*	1981	09	28.77029	22	27	24.10	-11	24	20.2		095
2380			1981	09	28.77029	22	28	10.34	-08	06	12.2		095
1981	SX5	*	1981	09	28.77029	22	28	49.82	-07	21	15.6	16.5	095
2514			1981	09	28.77029	22	30	28.00	-10	09	44.7		095
1984	CO1		1981	09	28.77029	22	37	49.38	-07	24	47.0	17.0	095
1267			1981	09	28.77029	22	38	49.91	-13	47	18.1		1 095
1135			1981	09	28.77029	22	40	20.60	-08	34	06.4		095
975			1981	09	28.77029	22	46	01.29	-11	01	19.4		1 095
1887			1981	09	28.77029	22	46	40.19	-07	36	03.2		1 095
305			1981	09	28.84251	22	55	14.53	-02	38	13.1		1 095
517			1981	09	28.84251	22	57	06.47	-01	28	26.9		1 095
1981	SA4		1981	09	28.84251	22	57	22.69	-02	30	38.4	17.5	1 095
1981	SY5	*	1981	09	28.84251	23	00	46.57	-00	36	41.8	17.5	095
1981	SD4		1981	09	28.84251	23	06	12.28	-00	28	35.3	17.0	095
1443			1981	09	28.84251	23	06	21.97	-05	37	08.9		1 095
1420			1981	09	28.84251	23	08	26.41	+00	34	49.2		095
1981	TP		1981	09	28.84251	23	10	23.44	-06	16	16.0	17.5	1 095
1981	SZ5	*	1981	09	28.84251	23	10	45.19	-01	04	04.1	17.5	095
1981	SA6	*	1981	09	28.84251	23	11	31.22	-04	27	51.2	17.5	095
1419			1981	09	28.84251	23	13	38.60	+01	37	56.4		095
1981	SU2		1981	09	28.84251	23	14	41.57	-01	44	42.6	17.5	095
1981	SB6	*	1981	09	28.84251	23	16	06.47	+02	57	14.0	17.0	1 095
1491			1981	09	28.84251	23	17	49.07	-00	47	46.0		095
125			1981	09	28.84251	23	17	57.72	-05	18	38.6		095
1981	SV2		1981	09	28.84251	23	20	54.78	-00	27	52.7	17.5	095
1981	SW		1981	09	28.84251	23	20	54.81	-00	03	03.3	16.5	095
1981	TV		1981	09	28.84251	23	27	36.19	+01	06	19.1	17.5	2 095
2853			1981	09	28.84251	23	28	14.57	+00	15	19.5		095
1606			1981	09	28.84251	23	29	16.57	+00	02	03.0		095

373		1981 09 28.84251	23 30 01.35	-06 51 58.1		1 095
1858		1981 09 28.84251	23 31 46.69	-00 09 15.8		1 095
1981 TW		1981 09 28.84251	23 32 58.38	-00 06 32.7	17.5	1 095
766		1981 09 28.84251	23 35 25.85	-05 59 22.2		1 095
1981 SC6 *		1981 09 28.92098	23 58 25.22	-00 02 39.0	17.5	1 095
2534		1981 09 28.92098	23 58 50.94	-00 28 30.6		1 095
794		1981 09 28.92098	23 59 39.44	-03 25 09.4		1 095
3179		1981 09 28.92098	23 59 47.19	-00 05 15.2	17.0	1 095
1518		1981 09 28.92098	00 00 16.00	-06 17 28.2		1 095
1981 SD6 *		1981 09 28.92098	00 01 41.74	+00 02 01.0	17.5	1 095
114		1981 09 28.92098	00 02 11.16	-02 11 35.8		1 095
1981 SA5		1981 09 28.92098	00 03 33.16	+00 56 20.0	17.0	1 095
1981 RS4		1981 09 28.92098	00 04 06.76	-00 14 53.0	16.5	1 095
1696		1981 09 28.92098	00 05 45.75	-02 53 06.2		095
2419		1981 09 28.92098	00 06 22.25	-02 37 45.6		095
1981 SE6 *		1981 09 28.92098	00 07 31.00	-03 14 34.2	17.0	095
1981 SF6 *		1981 09 28.92098	00 07 33.13	+00 01 32.3	17.0	095
1981 SD2		1981 09 28.92098	00 07 35.41	-06 25 11.0	17.0	095
1489		1981 09 28.92098	00 09 38.41	-00 38 51.0		095
1981 SG6 *		1981 09 28.92098	00 10 10.05	+01 40 16.2	17.5	1 095
1981 SE2		1981 09 28.92098	00 10 40.82	-06 01 52.8	17.0	095
1981 RV4		1981 09 28.92098	00 10 46.50	-00 40 09.7	16.5	095
1981 SH6 *		1981 09 28.92098	00 11 07.65	-07 41 17.6	17.5	1 095
1981 RW4		1981 09 28.92098	00 11 12.98	-04 06 24.6	17.0	095
1981 SJ6 *		1981 09 28.92098	00 11 24.20	-06 19 04.0	17.0	1 095
2857		1981 09 28.92098	00 11 47.28	-04 25 37.1		095
1981 SK6 *		1981 09 28.92098	00 12 46.82	-00 03 26.3	17.5	095
1981 SL6 *		1981 09 28.92098	00 14 16.42	+00 02 01.3	17.0	095
1981 SM6 *		1981 09 28.92098	00 14 22.07	-07 46 30.6	17.5	1 095
1981 SN6 *		1981 09 28.92098	00 14 35.91	-03 00 10.8	17.5	095
749		1981 09 28.92098	00 15 18.52	-07 53 55.4		1 095
1981 SO6 *		1981 09 28.92098	00 17 00.80	-04 14 09.3	17.5	095
1521		1981 09 28.92098	00 17 05.21	-02 11 52.2		095
1981 SP6 *		1981 09 28.92098	00 17 58.84	-05 14 00.0	17.5	2 095
725		1981 09 28.92098	00 19 17.88	-05 12 47.6		095
1981 RD5		1981 09 28.92098	00 21 03.32	-01 34 54.1	16.5	095
1981 RC5		1981 09 28.92098	00 21 47.68	-02 25 31.0	16.5	095
1981 RG5		1981 09 28.92098	00 22 24.48	-01 27 30.6	16.0	095
1981 SQ6 *		1981 09 28.92098	00 23 40.30	-03 30 35.4	17.0	095
1981 SR6 *		1981 09 28.92098	00 23 55.80	-03 57 47.8	17.5	095
1981 RF5		1981 09 28.92098	00 24 24.54	-00 50 34.4	16.0	095
1981 SS6 *		1981 09 28.92098	00 27 01.31	-00 30 41.6	17.0	095
1981 ST6 *		1981 09 28.92098	00 27 16.20	-02 15 03.8	17.0	095
1378		1981 09 28.92098	00 27 21.58	-01 01 11.6		095
1180		1981 09 28.92098	00 28 06.16	-07 44 09.7		1 095
1981 RK5		1981 09 28.92098	00 29 43.66	-03 08 08.8	16.5	095
1981 SU6 *		1981 09 28.92098	00 30 51.68	+00 30 40.5	17.5	1 095
2413		1981 09 28.92098	00 31 03.66	-02 39 47.2		095
1981 RJ5		1981 09 28.92098	00 31 19.00	+00 07 40.6	17.0	095
21		1981 09 28.92098	00 32 36.26	-02 38 30.4		095
1981 SV6 *		1981 09 28.92098	00 33 25.65	-07 07 51.6	17.0	1 095
2429		1981 09 28.92098	00 37 53.66	-01 19 15.0		1 095
2162		1981 09 28.98696	01 18 44.02	+02 29 25.7		1 095
1063		1981 09 28.98696	01 19 08.43	-02 28 54.8		1 095
1981 SW6 *		1981 09 28.98696	01 23 38.91	+02 51 29.2	16.5	1 095
1981 SX6 *		1981 09 28.98696	01 25 48.85	-00 13 46.8	17.0	095
2837		1981 09 28.98696	01 26 29.48	+05 38 26.7		3 095
1981 VC1		1981 09 28.98696	01 29 06.34	+05 19 11.4	16.0	1 095
1981 SY6 *		1981 09 28.98696	01 29 10.47	+02 11 56.7	17.0	2 095

1981	SZ6	*	1981	09	28.98696	01	29	30.83	+05	22	38.6	17.0	3	095
1981	SA7	*	1981	09	28.98696	01	30	41.71	+01	14	34.6	16.0		095
1425			1981	09	28.98696	01	32	51.54	+05	26	49.3		1	095
1981	SB7	*	1981	09	28.98696	01	33	47.11	+02	21	54.0	17.5		095
1981	SC7	*	1981	09	28.98696	01	35	27.85	+01	28	47.2	16.5		095
1981	SD7	*	1981	09	28.98696	01	35	37.56	-01	15	48.6	16.5		095
1981	SE7	*	1981	09	28.98696	01	36	17.35	+00	44	51.6	17.0		095
1981	SF7	*	1981	09	28.98696	01	36	17.39	-01	31	43.2	17.0		095
339			1981	09	28.98696	01	36	59.30	+03	27	19.4			095
2136			1981	09	28.98696	01	37	00.15	-02	07	11.0			095
416			1981	09	28.98696	01	39	51.92	-03	22	18.7		1	095
2284			1981	09	28.98696	01	44	03.30	+03	25	09.2			095
52			1981	09	28.98696	01	45	00.36	-00	05	04.3			095
950			1981	09	28.98696	01	46	14.07	-00	25	25.6			095
1577			1981	09	28.98696	01	49	27.79	+02	04	05.0			095
1981	SG7	*	1981	09	28.98696	01	51	17.69	+03	59	25.1	17.0		095
1981	SH7	*	1981	09	28.98696	01	54	05.68	+02	37	37.2	17.0	1	095
489			1981	09	28.98696	01	56	21.73	+00	56	42.9		1	095
1007			1981	09	29.05293	02	31	07.56	+19	02	57.0		1	095
133			1981	09	29.05293	02	33	05.50	+24	48	28.0		1	095
1981	SS5		1981	09	29.05293	02	35	38.31	+22	27	16.8	16.0	1	095
1981	SJ7	*	1981	09	29.05293	02	36	57.52	+24	32	10.6	17.0		095
1981	SK7	*	1981	09	29.05293	02	39	49.61	+24	25	31.0	17.5		095
1981	SL7	*	1981	09	29.05293	02	40	03.97	+23	20	11.3	17.0		095
1981	SM7	*	1981	09	29.05293	02	40	50.43	+21	12	57.7	16.5		095
1981	SN7	*	1981	09	29.05293	02	41	08.67	+23	40	19.3	17.0	2	095
1981	SO7	*	1981	09	29.05293	02	43	09.69	+27	23	52.4	17.0	1	095
643			1981	09	29.05293	02	43	45.96	+27	33	59.1		1	095
1981	SP7	*	1981	09	29.05293	02	43	54.46	+23	30	12.2	17.0		095
1981	SQ7	*	1981	09	29.05293	02	44	45.99	+26	06	09.5	16.5		095
3260			1981	09	29.05293	02	45	34.48	+21	32	34.0			095
1506			1981	09	29.05293	02	45	43.04	+23	30	55.5			095
1836			1981	09	29.05293	02	45	52.53	+24	57	05.0			095
1981	SR7	*	1981	09	29.05293	02	45	53.12	+23	28	17.5	17.5		095
800			1981	09	29.05293	02	47	49.48	+23	07	52.9			095
1981	SS7	*	1981	09	29.05293	02	47	52.52	+25	12	00.4	17.5		095
1981	ST7	*	1981	09	29.05293	02	49	11.04	+25	44	23.8	17.0		095
1960			1981	09	29.05293	02	51	39.74	+18	33	38.8		1	095
1981	SU7	*	1981	09	29.05293	02	51	41.64	+25	31	32.1	17.0		095
1981	SV7	*	1981	09	29.05293	02	52	03.02	+24	07	18.6	17.5		095
271			1981	09	29.05293	02	52	09.69	+20	59	26.2			095
1981	SW7	*	1981	09	29.05293	02	53	10.22	+24	33	35.6	17.5		095
2908			1981	09	29.05293	02	53	35.22	+24	08	58.6			095
1981	SX7	*	1981	09	29.05293	02	55	30.82	+21	02	07.5	17.0		095
1981	SY7	*	1981	09	29.05293	02	59	27.05	+22	42	12.5	17.0		095
640			1981	09	29.05293	02	59	47.64	+22	51	11.8			095
2130			1981	09	29.05293	02	59	56.88	+23	22	49.8			095
3024			1981	09	29.05293	03	02	46.86	+20	14	37.1			095
1559			1981	09	29.05293	03	04	50.90	+21	46	34.6			095
1911			1981	09	29.05293	03	05	37.97	+19	26	28.1			095
2889			1981	09	29.05293	03	06	04.05	+18	50	11.9		1	095
1981	SZ7	*	1981	09	29.05293	03	06	31.14	+17	48	55.4	17.0		095
2607			1981	09	29.05293	03	06	43.64	+19	22	52.8			095
613			1981	09	29.05293	03	07	43.53	+25	00	26.7			095
556			1981	09	29.05293	03	09	28.14	+25	30	25.7			095
3053			1981	09	29.05293	03	11	38.05	+21	07	50.1	17.0	1	095
1981	SA8	*	1981	09	29.05293	03	12	44.50	+19	31	11.8	17.0	1	095
3034			1981	09	29.05293	03	14	22.79	+21	02	34.6	17.0	1	095
1981	SJ7		1981	10	02.99338	02	34	46.52	+24	32	07.1	16.5	1	095

1981	SM7	1981	10	02.99338	02	38	13.56	+21	19	21.8	17.0	1	095
1981	TG1 *	1981	10	02.99338	02	41	06.48	+26	49	11.0	17.0		095
1981	SP7	1981	10	02.99338	02	41	39.99	+23	32	44.5	17.0		095
643		1981	10	02.99338	02	42	07.06	+27	26	49.6			095
1981	TH1 *	1981	10	02.99338	02	42	33.16	+22	17	31.8	18.0		095
1506		1981	10	02.99338	02	43	25.54	+23	12	13.0			095
1981	TJ1 *	1981	10	02.99338	02	43	34.38	+23	34	16.2	18.0		095
1836		1981	10	02.99338	02	43	44.31	+24	51	47.0			095
3260		1981	10	02.99338	02	43	45.78	+21	23	54.1			095
1981	SQ7	1981	10	02.99338	02	44	03.05	+26	24	32.0	16.5		095
800		1981	10	02.99338	02	45	29.50	+23	11	32.7			095
1981	TK1 *	1981	10	02.99338	02	46	59.81	+21	36	39.1	18.0		095
1981	ST7	1981	10	02.99338	02	48	21.16	+26	01	10.8	16.5		095
1981	SU7	1981	10	02.99338	02	50	05.20	+25	27	17.9	16.5		095
1981	TL1 *	1981	10	02.99338	02	50	05.86	+27	01	49.8	17.5		095
271		1981	10	02.99338	02	50	36.91	+21	00	22.1			095
1981	SW7	1981	10	02.99338	02	51	43.14	+24	35	06.2	17.0		095
2908		1981	10	02.99338	02	52	31.35	+23	51	32.5			095
1981	TM1 *	1981	10	02.99338	02	53	06.82	+21	56	25.0	18.0		095
1981	SX7	1981	10	02.99338	02	54	03.31	+20	56	04.4	17.5		095
1983	CB3	1981	10	02.99338	02	54	03.41	+25	45	35.3	18.0		095
1981	TN1 *	1981	10	02.99338	02	55	57.58	+22	07	56.7	17.5		095
2130		1981	10	02.99338	02	57	56.55	+23	33	32.3			095
640		1981	10	02.99338	02	58	17.23	+22	38	17.8			095
3024		1981	10	02.99338	03	01	00.89	+20	26	30.4			095
1559		1981	10	02.99338	03	03	08.49	+21	46	48.7			095
1911		1981	10	02.99338	03	04	25.65	+19	22	43.2		1	095
2607		1981	10	02.99338	03	05	25.51	+19	25	17.8		1	095
613		1981	10	02.99338	03	06	19.10	+25	10	58.5			095
556		1981	10	02.99338	03	08	31.84	+25	34	19.5			095
3053		1981	10	02.99338	03	10	04.37	+21	15	47.0	16.5		095
1981	TO1 *	1981	10	02.99338	03	11	06.15	+25	26	33.0	17.5		095
1981	TP1 *	1981	10	02.99338	03	11	12.21	+27	09	45.1	17.5		095
1981	TQ1 *	1981	10	02.99338	03	12	50.46	+24	36	02.3	17.0	1	095
3034		1981	10	02.99338	03	12	53.81	+21	12	28.9	16.5	1	095
1981	TR1 *	1981	10	02.99338	03	15	07.27	+27	03	31.1	17.5	3	095
1157		1981	10	03.95307	01	54	30.10	+23	02	19.6		1	095
2875		1981	10	03.95307	01	59	06.83	+22	29	46.7		1	095
2559		1981	10	03.95307	01	59	18.92	+20	56	05.5		1	095
2522		1981	10	03.95307	02	00	05.04	+24	19	35.0		1	095
1981	TS1 *	1981	10	03.95307	02	06	09.09	+24	50	29.2	17.0		095
1971	QN	1981	10	03.95307	02	06	43.20	+18	04	25.0		1	095
1523		1981	10	03.95307	02	06	43.71	+20	32	07.3			095
1981	TT1 *	1981	10	03.95307	02	08	50.78	+19	40	59.5	17.5		095
1981	TU1 *	1981	10	03.95307	02	10	23.12	+21	10	29.6	17.5		095
1660		1981	10	03.95307	02	13	51.66	+17	45	51.6		1	095
139		1981	10	03.95307	02	14	37.25	+21	16	35.8			095
1121		1981	10	03.95307	02	15	09.96	+18	54	45.8			095
1476		1981	10	03.95307	02	17	25.96	+23	52	18.4			095
1981	TV1 *	1981	10	03.95307	02	18	21.49	+25	19	35.9	17.5		095
1981	TW1 *	1981	10	03.95307	02	19	15.73	+21	07	15.4	17.0		095
994		1981	10	03.95307	02	21	48.32	+26	15	14.6		1	095
2523		1981	10	03.95307	02	23	19.48	+26	39	00.5		1	095
1981	TX1 *	1981	10	03.95307	02	23	39.88	+22	57	51.4	17.0		095
1981	TY1 *	1981	10	03.95307	02	24	41.20	+18	04	01.6	16.5	3	095
789		1981	10	03.95307	02	25	15.40	+20	49	40.1			095
1068		1981	10	03.95307	02	26	26.95	+22	15	02.9			095
1981	TZ1 *	1981	10	03.95307	02	26	31.05	+19	43	11.4	17.5		095
1981	TA2 *	1981	10	03.95307	02	26	56.70	+22	25	22.6	17.5		095

1981	TB2	*	1981	10	03.95307	02	28	18.06	+20	55	09.4	17.0	095
1007			1981	10	03.95307	02	28	38.82	+18	57	34.0		095
1981	TC2	*	1981	10	03.95307	02	29	10.98	+20	04	02.8	17.5	095
2487			1981	10	03.95307	02	29	11.34	+18	13	54.9		1 095
133			1981	10	03.95307	02	30	15.15	+24	46	51.1		1 095
1981	WE		1981	10	03.95307	02	31	53.99	+18	17	17.6	17.0	3 095
1981	SS5		1981	10	03.95307	02	32	33.74	+22	22	33.4	16.5	1 095
1981	TD2	*	1981	10	03.95307	02	32	58.95	+23	12	22.4	17.5	1 095
1981	TE2	*	1981	10	03.95307	02	33	48.78	+19	56	17.5	17.5	1 095
1981	WP		1981	10	04.04125	03	00	04.99	+18	45	53.4	17.0	1 095
1981	TF2	*	1981	10	04.04125	03	00	06.60	+19	20	19.2	16.5	1 095
1981	TG2	*	1981	10	04.04125	03	03	33.54	+12	34	07.1	17.0	1 095
1981	SZ7		1981	10	04.04125	03	03	53.99	+18	10	10.5	16.5	1 095
1911			1981	10	04.04125	03	04	03.66	+19	21	28.9		1 095
2889			1981	10	04.04125	03	04	29.64	+18	29	19.1	16.5	3 095
2607			1981	10	04.04125	03	04	58.90	+19	25	30.7		1 095
1981	WQ		1981	10	04.04125	03	07	14.64	+12	38	00.5	16.5	095
242			1981	10	04.04125	03	09	08.50	+15	02	07.6		095
3053			1981	10	04.04125	03	09	33.79	+21	17	36.2	17.0	1 095
1981	UN		1981	10	04.04125	03	10	26.71	+19	33	05.9	17.0	095
2437			1981	10	04.04125	03	11	59.99	+18	40	10.4		095
1981	TH2	*	1981	10	04.04125	03	12	07.81	+20	59	08.0	17.0	2 095
3034			1981	10	04.04125	03	12	23.81	+21	14	46.3	16.5	1 095
836			1981	10	04.04125	03	12	28.93	+16	11	24.1		095
2017			1981	10	04.04125	03	12	46.73	+12	19	18.3		1 095
1981	WV1		1981	10	04.04125	03	13	09.29	+19	41	55.5		095
2541			1981	10	04.04125	03	15	03.84	+14	55	56.0		095
1929			1981	10	04.04125	03	15	40.00	+11	36	28.7		1 095
1981	TJ2	*	1981	10	04.04125	03	16	29.97	+14	23	53.2	17.0	095
1981	TK2	*	1981	10	04.04125	03	16	37.74	+20	43	16.4	17.0	3 095
743			1981	10	04.04125	03	17	09.32	+19	40	25.2		095
1981	TL2	*	1981	10	04.04125	03	17	26.77	+15	00	02.4	16.5	095
2070			1981	10	04.04125	03	19	19.33	+20	59	58.5		095
2540			1981	10	04.04125	03	20	09.27	+17	16	06.7		095
1981	TM2	*	1981	10	04.04125	03	23	05.17	+15	05	29.5	17.0	095
1039			1981	10	04.04125	03	24	21.99	+18	54	01.5		095
1154			1981	10	04.04125	03	29	23.62	+15	00	43.7		095
1981	TN2	*	1981	10	04.04125	03	33	06.47	+13	26	11.6	17.0	095
205			1981	10	04.04125	03	34	01.95	+16	56	12.4		095
1981	TO2	*	1981	10	04.04125	03	35	19.64	+13	49	27.8	17.0	095
1981	TP2	*	1981	10	04.04125	03	35	44.40	+13	30	13.8	16.5	2 095
243			1981	10	04.04125	03	36	51.97	+20	58	55.0		1 095
2832			1981	10	04.04125	03	37	27.08	+14	10	16.6		3 095
1327			1981	10	04.04125	03	40	55.08	+17	03	52.8		1 095
1981	SD4		1981	10	05.89947	23	01	46.03	-01	02	08.6	17.0	095
1443			1981	10	05.89947	23	02	19.60	-06	07	40.7		1 095
1420			1981	10	05.89947	23	04	06.16	-00	01	26.5		095
1419			1981	10	05.89947	23	08	27.63	+00	37	48.0		095
1981	SU2		1981	10	05.89947	23	09	27.22	-02	14	09.9	17.5	095
1491			1981	10	05.89947	23	13	13.75	-01	14	58.0		095
125			1981	10	05.89947	23	13	35.66	-05	58	13.4		1 095
1981	SW		1981	10	05.89947	23	16	43.16	-00	57	07.2	16.5	095
1981	TQ2	*	1981	10	05.89947	23	18	38.68	-04	23	08.6	17.0	095
2853			1981	10	05.89947	23	23	12.13	-00	40	46.6	17.0	095
373			1981	10	05.89947	23	24	05.06	-06	39	30.1		1 095
1858			1981	10	05.89947	23	26	43.41	-00	44	36.4		095
1606			1981	10	05.89947	23	26	59.00	-01	12	09.9		095
1981	TW		1981	10	05.89947	23	28	08.57	-00	36	36.6	17.5	095
766			1981	10	05.89947	23	29	52.78	-06	08	52.3		1 095

645		1981	10	05.89947	23	31	11.06	-03	29	47.7		1	095
1981	TR2 *	1981	10	05.89947	23	34	25.82	-02	24	35.8	17.0	1	095
2481		1981	10	05.89947	23	34	48.25	-03	38	36.8			095
1576		1981	10	05.89947	23	34	54.72	-03	04	19.2		1	095
268		1981	10	05.89947	23	34	55.66	-05	45	49.5		1	095
1518		1981	10	05.96127	23	52	52.97	-06	27	47.5		1	095
2534		1981	10	05.96127	23	53	58.25	-01	02	37.4		1	095
3179		1981	10	05.96127	23	54	40.72	-00	42	23.5	17.0	1	095
794		1981	10	05.96127	23	54	55.41	-04	08	08.0		1	095
114		1981	10	05.96127	23	56	44.47	-02	55	42.8		1	095
1981	SA5	1981	10	05.96127	23	58	17.53	+00	17	23.3	17.0	1	095
1696		1981	10	05.96127	23	58	41.94	-03	18	21.0			095
1981	RS4	1981	10	05.96127	23	59	08.10	-00	43	08.3	16.5		095
2419		1981	10	05.96127	00	00	31.77	-03	41	32.8			095
1981	TS2 *	1981	10	05.96127	00	01	50.03	-06	38	12.0	17.0	2	095
1981	SJ6	1981	10	05.96127	00	04	57.50	-06	24	41.6	17.0	2	095
1981	SE2	1981	10	05.96127	00	05	22.16	-06	34	11.3	17.0		095
1981	RW4	1981	10	05.96127	00	05	23.72	-04	23	10.7	17.0		095
1981	RV4	1981	10	05.96127	00	05	27.02	-01	51	37.2	16.0		095
2857		1981	10	05.96127	00	05	45.37	-05	17	21.4			095
1981	SL6	1981	10	05.96127	00	07	09.09	-00	19	00.0	16.5		095
1521		1981	10	05.96127	00	09	59.44	-02	09	26.8			095
725		1981	10	05.96127	00	13	24.69	-05	38	11.6			095
1981	RG5	1981	10	05.96127	00	15	16.45	-01	31	49.0	16.0		095
1981	RD5	1981	10	05.96127	00	15	37.80	-02	35	48.6	16.5		095
1981	RC5	1981	10	05.96127	00	17	07.80	-03	58	26.0	16.5		095
1981	RF5	1981	10	05.96127	00	18	45.86	-01	20	26.0	16.0		095
1981	TT2 *	1981	10	05.96127	00	19	56.72	-05	56	51.0	17.0	2	095
1378		1981	10	05.96127	00	20	34.44	-01	34	15.5			095
1981	TU2 *	1981	10	05.96127	00	22	02.73	-03	45	38.0	17.0		095
1981	RK5	1981	10	05.96127	00	23	18.66	-03	27	01.0	16.5		095
1180		1981	10	05.96127	00	23	38.30	-08	08	10.4		1	095
1981	TV2 *	1981	10	05.96127	00	25	58.56	-03	20	26.4	17.0		095
2413		1981	10	05.96127	00	26	10.86	-03	37	50.4			095
1981	RJ5	1981	10	05.96127	00	26	15.07	-00	28	34.8	16.5		095
21		1981	10	05.96127	00	26	21.52	-03	10	59.8			095
1981	TW2 *	1981	10	05.96127	00	27	53.79	-01	28	32.2	17.0	1	095
2429		1981	10	05.96127	00	30	01.94	-01	11	49.4		1	095
2553		1981	10	06.02667	01	09	45.96	-00	55	20.8		1	095
1030		1981	10	06.02667	01	09	46.79	+04	10	53.4		1	095
2558		1981	10	06.02667	01	10	29.28	+01	33	22.2		1	095
1899		1981	10	06.02667	01	11	36.74	-00	19	20.0		1	095
1063		1981	10	06.02667	01	12	37.96	-03	10	39.6		1	095
2162		1981	10	06.02667	01	12	45.03	+01	40	43.4		1	095
1981	SN1	1981	10	06.02667	01	12	51.06	+03	58	53.9	16.5	1	095
1981	SR1	1981	10	06.02667	01	14	11.93	+03	04	13.2	17.0	1	095
1981	SW6	1981	10	06.02667	01	19	04.03	+02	01	20.9	16.5		095
2837		1981	10	06.02667	01	21	07.90	+05	09	41.9		1	095
1981	TX2 *	1981	10	06.02667	01	22	29.02	+02	21	04.8	17.5		095
1981	VC1	1981	10	06.02667	01	22	57.75	+04	56	32.9	16.0	1	095
1981	SZ6	1981	10	06.02667	01	24	10.90	+04	54	31.1	17.0	1	095
1981	SA7	1981	10	06.02667	01	24	50.25	+00	55	36.7	16.0		095
1425		1981	10	06.02667	01	27	47.31	+04	23	06.8			095
1981	TY2 *	1981	10	06.02667	01	28	36.15	+03	24	52.7	17.0		095
1981	SC7	1981	10	06.02667	01	29	23.96	+01	36	52.9	16.5		095
1981	SD7	1981	10	06.02667	01	29	56.99	-01	35	15.9	16.5		095
1981	SE7	1981	10	06.02667	01	30	26.70	+00	19	14.2	17.0		095
2136		1981	10	06.02667	01	32	20.41	-02	55	33.2		1	095
339		1981	10	06.02667	01	32	25.55	+02	31	35.2			095

416		1981	10	06.02667	01	33	45.10	-03	44	32.1		1	095
2284		1981	10	06.02667	01	38	19.18	+02	34	24.4			095
52		1981	10	06.02667	01	40	26.32	-00	45	35.7			095
950		1981	10	06.02667	01	41	05.89	-02	02	18.1			095
1577		1981	10	06.02667	01	44	45.53	+01	16	04.8		1	095
1981	SG7	1981	10	06.02667	01	46	00.76	+03	22	51.7	17.0	1	095
1023		1981	10	06.87508	22	29	18.94	-02	56	08.2		1	095
1984	CO1	1981	10	06.87508	22	33	16.62	-07	27	24.6	17.0		095
1135		1981	10	06.87508	22	36	12.18	-08	39	13.7			095
377		1981	10	06.87508	22	37	16.34	-01	57	09.7		1	095
1737		1981	10	06.87508	22	40	06.28	-02	52	57.8			095
1887		1981	10	06.87508	22	41	47.75	-07	34	57.8			095
2529		1981	10	06.87508	22	41	54.81	-03	59	17.9			095
1611		1981	10	06.87508	22	43	25.47	-01	57	03.4		1	095
2032		1981	10	06.87508	22	46	17.10	-09	20	14.0			095
2524		1981	10	06.87508	22	46	19.81	-07	22	29.8			095
1877		1981	10	06.87508	22	49	23.38	-08	48	00.5			095
317		1981	10	06.87508	22	49	53.88	-08	49	59.5		2	095
305		1981	10	06.87508	22	50	42.94	-03	18	48.5			095
35		1981	10	06.87508	22	52	19.25	-08	01	55.6			095
517		1981	10	06.87508	22	52	32.47	-02	02	01.6		1	095
1443		1981	10	06.87508	23	01	50.19	-06	11	27.4		1	095
1043		1981	10	06.87508	23	02	53.16	-09	25	21.0		1	095
2551		1981	10	06.94522	00	56	53.13	+06	09	32.0		1	095
1981	SH1	1981	10	06.94522	01	00	11.50	+07	34	48.5	16.5	1	095
761		1981	10	06.94522	01	01	36.18	+06	01	49.2		1	095
2533		1981	10	06.94522	01	03	00.11	+07	00	24.5			095
2516		1981	10	06.94522	01	03	03.90	+04	31	46.0		2	095
697		1981	10	06.94522	01	04	55.26	+07	09	34.6			095
76		1981	10	06.94522	01	05	07.36	+07	22	58.6			095
848		1981	10	06.94522	01	05	10.15	+07	17	58.5			095
2557		1981	10	06.94522	01	06	35.62	+05	22	49.4			095
2590		1981	10	06.94522	01	06	38.00	+12	48	20.5		1	095
1981	SM1	1981	10	06.94522	01	07	16.43	+04	02	32.2		1	095
2471		1981	10	06.94522	01	07	37.67	+07	21	37.3	16.5		095
1981	TZ2 *	1981	10	06.94522	01	08	08.77	+09	00	35.8	16.5		095
1030		1981	10	06.94522	01	09	10.22	+04	03	57.2		1	095
1981	SN1	1981	10	06.94522	01	12	15.59	+03	53	56.6	16.5	1	095
1981	TA3 *	1981	10	06.94522	01	12	51.05	+07	25	20.5	17.0		095
1981	SQ1	1981	10	06.94522	01	13	16.62	+05	56	32.2	16.5		095
1981	TB3 *	1981	10	06.94522	01	14	11.53	+05	43	25.7	17.0		095
1981	TC3 *	1981	10	06.94522	01	17	13.62	+11	29	53.0	16.5		095
1981	TD3 *	1981	10	06.94522	01	17	54.98	+07	51	22.8	17.0		095
1791		1981	10	06.94522	01	19	21.49	+08	24	56.1			095
2837		1981	10	06.94522	01	20	24.09	+05	05	45.7			095
1981	TE3 *	1981	10	06.94522	01	20	50.73	+11	57	39.8	16.5	1	095
1615		1981	10	06.94522	01	21	50.75	+06	30	20.4			095
1981	VC1	1981	10	06.94522	01	22	06.38	+04	53	25.5	16.5		095
1981	TF3 *	1981	10	06.94522	01	22	17.53	+08	56	51.6	17.5		095
1495		1981	10	06.94522	01	22	22.86	+11	14	24.8			095
2572		1981	10	06.94522	01	22	35.94	+08	54	40.0			095
1981	TG3 *	1981	10	06.94522	01	22	55.17	+11	45	22.5	17.0		095
1981	SZ6	1981	10	06.94522	01	23	25.73	+04	50	41.5	17.0		095
1425		1981	10	06.94522	01	27	05.68	+04	14	41.8		1	095
2528		1981	10	06.94522	01	27	25.87	+08	38	26.5			095
149		1981	10	06.94522	01	30	58.18	+08	16	16.5			095
1354		1981	10	06.94522	01	31	05.09	+08	14	47.8			095
178		1981	10	06.94522	01	32	14.26	+07	54	01.5		1	095
642		1981	10	06.94522	01	32	22.41	+12	56	00.1		1	095

1981	TH3	*	1981	10	07.01465	02	42	27.79	+10	05	42.4	17.0	1	095
1981	WH		1981	10	07.01465	02	44	05.27	+07	10	25.5	16.5		095
2500			1981	10	07.01465	02	46	02.86	+12	45	18.1		1	095
2525			1981	10	07.01465	02	47	05.72	+12	23	35.0		1	095
589			1981	10	07.01465	02	48	04.05	+06	48	59.1			095
383			1981	10	07.01465	02	48	15.98	+12	26	45.1			095
866			1981	10	07.01465	02	48	37.59	+04	54	17.1		1	095
1981	TJ3	*	1981	10	07.01465	02	51	29.70	+11	43	44.7	17.0		095
1981	TK3	*	1981	10	07.01465	02	52	26.84	+06	13	28.1	17.0		095
1759			1981	10	07.01465	02	52	58.74	+09	16	29.3			095
3084			1981	10	07.01465	02	53	50.91	+13	23	00.0		1	095
2752			1981	10	07.01465	02	54	05.77	+09	26	27.4			095
635			1981	10	07.01465	02	55	31.40	+08	10	37.8			095
1981	VO		1981	10	07.01465	02	57	51.40	+11	36	14.4	16.5		095
1981	TG2		1981	10	07.01465	03	02	12.40	+12	25	28.0	17.0		095
700			1981	10	07.01465	03	02	59.00	+07	13	46.8			095
2002			1981	10	07.01465	03	05	15.40	+09	26	51.6			095
1981	WQ		1981	10	07.01465	03	05	46.54	+12	38	08.0	16.5		095
2109			1981	10	07.01465	03	08	25.65	+06	20	26.8			095
1981	TL3	*	1981	10	07.01465	03	09	05.11	+09	55	58.2	16.5		095
2017			1981	10	07.01465	03	11	18.14	+12	02	06.5			095
1929			1981	10	07.01465	03	14	17.75	+11	34	05.3			095
1562			1981	10	07.01465	03	16	36.30	+10	12	12.6			095
530			1981	10	07.01465	03	16	48.04	+05	14	10.8			095
638			1981	10	07.01465	03	21	28.37	+08	39	05.0		1	095
421			1981	10	07.92012	00	32	08.50	+02	08	21.0		1	095
2872			1981	10	07.92012	00	34	59.04	+07	27	46.1	17.0	1	095
158			1981	10	07.92012	00	35	32.67	+05	32	27.3		1	095
1981	TM3	*	1981	10	07.92012	00	36	14.46	+02	22	20.9	17.0	1	095
1981	TN3	*	1981	10	07.92012	00	39	52.56	+03	01	25.4	17.0		095
1981	TO3	*	1981	10	07.92012	00	40	05.13	+01	21	24.7	17.0		095
1981	TP3	*	1981	10	07.92012	00	40	23.94	-00	36	49.3	16.5	1	095
311			1981	10	07.92012	00	42	26.66	-00	27	11.4		1	095
1981	RV3		1981	10	07.92012	00	45	52.72	+01	43	19.1	16.5		095
1981	RU3		1981	10	07.92012	00	45	56.90	+03	45	15.3	17.0		095
1335			1981	10	07.92012	00	46	53.80	+02	56	59.7			095
2096			1981	10	07.92012	00	46	54.71	+07	07	01.0			095
1981	TQ3	*	1981	10	07.92012	00	47	44.51	+06	11	25.2	16.5		095
1981	SE1		1981	10	07.92012	00	47	57.21	+00	32	24.6	16.5		095
1981	TR3	*	1981	10	07.92012	00	48	25.42	+02	43	53.7	17.0		095
1981	RR3		1981	10	07.92012	00	48	27.33	-00	29	12.6	16.5	1	095
2160			1981	10	07.92012	00	49	11.28	+01	01	10.8			095
106			1981	10	07.92012	00	49	55.13	-00	50	48.7		1	095
2539			1981	10	07.92012	00	52	18.67	+05	25	18.5			095
2899			1981	10	07.92012	00	52	29.76	+04	58	17.6			095
1928			1981	10	07.92012	00	53	00.28	+03	26	23.8			095
561			1981	10	07.92012	00	54	43.63	+04	30	34.6			095
2551			1981	10	07.92012	00	56	08.45	+06	05	13.8			095
2151			1981	10	07.92012	00	58	57.67	-00	33	23.4		1	095
1981	SH1		1981	10	07.92012	00	59	22.24	+07	36	25.5	16.5	1	095
1981	TS3	*	1981	10	07.92012	01	00	25.98	+02	33	55.1	17.0		095
761			1981	10	07.92012	01	00	47.54	+05	57	38.1			095
3256			1981	10	07.92012	01	00	53.84	+01	46	20.5			095
1981	TT3	*	1981	10	07.92012	01	01	19.86	+04	39	42.1	17.5		095
2516			1981	10	07.92012	01	02	08.95	+04	25	46.4			095
2533			1981	10	07.92012	01	02	15.88	+06	55	13.9			095
697			1981	10	07.92012	01	03	54.00	+07	10	54.1			095
848			1981	10	07.92012	01	04	25.60	+07	13	00.4			095
76			1981	10	07.92012	01	04	26.21	+07	18	12.6			095

2557		1981	10	07.92012	01	05	50.46	+05	13	04.1		1	095
1812		1981	10	07.92012	01	06	16.74	+02	06	05.7		1	095
1981	SM1	1981	10	07.92012	01	06	33.13	+03	57	42.7		1	095
2558		1981	10	07.92012	01	08	29.68	+01	28	34.5		1	095
1030		1981	10	07.92012	01	08	30.82	+03	56	37.5		1	095
1981	TU3 *	1981	10	07.92012	01	08	56.08	+06	25	02.0	17.0	1	095
2162		1981	10	07.92012	01	11	02.62	+01	27	37.5		1	095
1981	TV3 *	1981	10	07.99303	01	35	21.14	+09	34	50.1	17.5	1	095
1976	YP1	1981	10	07.99303	01	35	48.63	+10	29	42.9	17.0	1	095
1981	TW3 *	1981	10	07.99303	01	36	43.16	+09	24	11.3	17.0	1	095
1084		1981	10	07.99303	01	41	42.80	+08	47	27.8			095
1981	TX3 *	1981	10	07.99303	01	45	27.57	+06	59	14.0	17.5		095
1150		1981	10	07.99303	01	46	22.74	+11	31	26.6			095
520		1981	10	07.99303	01	47	00.56	+07	14	34.0			095
1981	SB5	1981	10	07.99303	01	48	51.83	+10	07	31.9	17.0		095
1981	UE10	1981	10	07.99303	01	48	59.50	+08	15	44.9	16.5		095
1981	TY3 *	1981	10	07.99303	01	50	22.35	+07	16	25.8	17.5		095
1981	TZ3 *	1981	10	07.99303	01	50	29.99	+11	40	46.7	17.5		095
2278		1981	10	07.99303	01	50	36.88	+07	45	18.4			095
1981	VW1	1981	10	07.99303	01	52	27.90	+08	27	07.1	17.0		095
1981	TA4 *	1981	10	07.99303	01	53	54.32	+08	06	40.9	17.5		095
1981	TB4 *	1981	10	07.99303	01	54	45.22	+07	01	15.0	17.5	2	095
1981	TC4 *	1981	10	07.99303	01	56	33.72	+04	32	59.4	17.5	1	095
1981	SD5	1981	10	07.99303	01	57	09.93	+11	08	44.4	16.5		095
2014		1981	10	07.99303	01	58	24.40	+11	55	07.8			095
379		1981	10	07.99303	01	58	33.91	+10	33	09.6			095
3128		1981	10	07.99303	01	58	53.20	+07	39	13.3			095
1981	VP2	1981	10	07.99303	01	59	31.85	+06	55	58.4	17.0		095
278		1981	10	07.99303	02	00	04.02	+04	54	48.6			095
2861		1981	10	07.99303	02	01	38.44	+10	20	24.3			095
1981	TD4 *	1981	10	07.99303	02	02	25.04	+08	03	05.6	17.5		095
3133		1981	10	07.99303	02	06	09.96	+09	08	00.2	16.0		095
1664		1981	10	07.99303	02	06	27.12	+09	30	31.6			095
1981	SK5	1981	10	07.99303	02	07	40.31	+08	27	45.4	17.0		095
871		1981	10	07.99303	02	09	40.30	+07	35	51.2		1	095
1981	SM5	1981	10	07.99303	02	11	04.77	+11	43	27.5	17.0	1	095
2073		1981	10	07.99303	02	13	08.11	+09	03	39.2		1	095
2515		1981	10	07.99303	02	13	24.20	+10	01	00.6		1	095
556		1981	10	08.06594	03	06	35.54	+25	35	32.2		1	095
1981	TP1	1981	10	08.06594	03	09	05.93	+26	58	16.9	17.0	1	095
3034		1981	10	08.06594	03	10	06.93	+21	21	36.0	16.0	1	095
1981	TE4 *	1981	10	08.06594	03	10	32.46	+24	44	18.6	17.0	1	095
2094		1981	10	08.06594	03	17	48.56	+25	31	28.6			095
2070		1981	10	08.06594	03	17	51.29	+21	04	57.8		1	095
1981	TF4 *	1981	10	08.06594	03	19	05.90	+29	17	43.3	17.0	1	095
1981	TG4 *	1981	10	08.06594	03	25	20.12	+20	16	31.2	15.5	1	095
1981	TH4 *	1981	10	08.06594	03	25	36.79	+27	55	08.9	16.0		095
1981	TJ4 *	1981	10	08.06594	03	26	44.85	+22	55	42.2	17.0		095
1981	TK4 *	1981	10	08.06594	03	27	20.25	+29	46	02.8	16.5	1	095
1147		1981	10	08.06594	03	29	34.82	+23	15	59.1			095
915		1981	10	08.06594	03	34	00.18	+23	57	32.4			095
243		1981	10	08.06594	03	35	44.62	+20	57	12.6		1	095
1981	TL4 *	1981	10	08.06594	03	41	58.00	+26	23	46.8	17.0		095
517		1981	10	21.78175	22	47	35.38	-02	48	21.3		1	095
1420		1981	10	21.78175	22	58	21.54	-01	05	10.0			095
1419		1981	10	21.78175	23	01	22.50	-01	16	05.5			095
1981	UQ10*	1981	10	21.78175	23	05	16.31	-02	04	03.9	17.5		095
1491		1981	10	21.78175	23	05	31.66	-02	03	59.0			095
125		1981	10	21.78175	23	07	21.16	-07	00	18.1		1	095

1981	UR10*	1981	10	21.78175	23	11	12.16	-06	11	20.0	17.0	095
373		1981	10	21.78175	23	14	19.69	-05	52	52.8		095
2853		1981	10	21.78175	23	16	20.56	-02	21	06.8	17.0	2 095
1981	US10*	1981	10	21.78175	23	17	39.53	-03	47	15.8	17.5	095
1858		1981	10	21.78175	23	18	47.16	-01	45	54.8		095
1981	TW	1981	10	21.78175	23	20	07.62	-01	30	07.3	17.0	095
766		1981	10	21.78175	23	20	13.25	-06	11	08.3		095
645		1981	10	21.78175	23	21	54.40	-03	54	56.1		1 095
1606		1981	10	21.78175	23	26	22.85	-03	17	17.1		1 095
268		1981	10	21.78175	23	26	37.72	-06	35	24.3		1 095
1576		1981	10	21.78175	23	26	53.81	-04	00	34.0		1 095
761		1981	10	21.84493	00	49	35.80	+04	59	42.7		1 095
697		1981	10	21.84493	00	49	43.24	+07	27	45.0		1 095
2533		1981	10	21.84493	00	51	56.64	+05	41	22.4		095
1981	UT10*	1981	10	21.84493	00	52	01.86	+08	27	10.1	16.5	095
848		1981	10	21.84493	00	54	09.19	+06	02	45.4		095
2590		1981	10	21.84493	00	54	31.33	+10	28	07.2		095
2471		1981	10	21.84493	00	54	42.49	+06	52	27.8	16.5	095
76		1981	10	21.84493	00	54	43.33	+06	09	40.5		095
2557		1981	10	21.84493	00	55	25.86	+02	59	40.8		1 095
1981	SM1	1981	10	21.84493	00	56	27.15	+02	53	03.9		1 095
1030		1981	10	21.84493	00	59	14.18	+02	15	21.6		1 095
429		1981	10	21.84493	01	00	44.82	+11	53	12.7		1 095
1981	SQ1	1981	10	21.84493	01	02	29.26	+04	33	31.5	16.5	095
1981	TC3	1981	10	21.84493	01	03	27.87	+09	47	34.6	16.5	095
1495		1981	10	21.84493	01	06	56.98	+10	56	46.4		095
1791		1981	10	21.84493	01	07	26.66	+06	44	19.7		095
1981	VC1	1981	10	21.84493	01	07	52.78	+04	08	25.8	16.5	095
2837		1981	10	21.84493	01	08	17.21	+04	05	08.2		095
1981	TE3	1981	10	21.84493	01	10	09.27	+09	30	07.1	16.5	095
1615		1981	10	21.84493	01	10	47.96	+05	15	14.9		095
2528		1981	10	21.84493	01	16	08.78	+07	28	36.2		095
149		1981	10	21.84493	01	16	32.53	+06	42	19.0		095
178		1981	10	21.84493	01	18	22.58	+06	42	59.0		095
1354		1981	10	21.84493	01	18	54.89	+07	28	07.5		095
642		1981	10	21.84493	01	20	07.09	+12	20	33.7		1 095
1981	UU10*	1981	10	21.84493	01	24	56.27	+09	37	05.4	17.0	1 095
373		1981	10	22.77933	23	13	54.72	-05	49	05.8		1 095
1858		1981	10	22.77933	23	18	28.53	-01	48	39.8		1 095
1981	UV10*	1981	10	22.77933	23	18	39.04	+00	27	52.8	17.5	1 095
766		1981	10	22.77933	23	19	46.47	-06	10	20.0		1 095
1981	TW	1981	10	22.77933	23	19	47.19	-01	32	34.0	17.0	095
1981	UW10*	1981	10	22.77933	23	20	32.32	-06	40	49.7	17.5	095
645		1981	10	22.77933	23	21	28.22	-03	55	38.9		095
603		1981	10	22.77933	23	22	02.94	+00	19	02.2	16.5	095
757		1981	10	22.77933	23	25	58.66	-07	48	02.1		1 095
268		1981	10	22.77933	23	26	13.53	-06	37	29.9		095
3149		1981	10	22.77933	23	26	14.50	-03	45	56.8		095
1576		1981	10	22.77933	23	26	33.35	-04	02	58.1		095
1606		1981	10	22.77933	23	26	34.35	-03	22	49.5		095
254		1981	10	22.77933	23	28	03.03	-06	26	05.2		095
2527		1981	10	22.77933	23	28	12.13	-03	40	05.1		095
2481		1981	10	22.77933	23	28	58.16	-03	40	12.9		095
2489		1981	10	22.77933	23	29	16.63	-05	31	20.7		095
2730		1981	10	22.77933	23	30	11.63	-03	10	18.0		095
1162		1981	10	22.77933	23	31	06.10	-04	47	05.2		095
1981	UX10*	1981	10	22.77933	23	32	32.88	-00	42	27.4	18.0	095
1981	QK	1981	10	22.77933	23	32	34.00	-00	13	04.8	17.0	095
1981	TZ	1981	10	22.77933	23	35	10.19	+00	25	06.3	17.5	095

1981	UY10*	1981	10	22.77933	23	36	43.53	-01	29	33.8	17.5	095
2506		1981	10	22.77933	23	36	47.75	-03	40	06.1		095
1544		1981	10	22.77933	23	38	35.31	-07	04	59.1	1	095
1111		1981	10	22.77933	23	39	15.13	-07	13	34.5	1	095
1518		1981	10	22.77933	23	39	20.69	-06	15	28.3		095
1981	ST	1981	10	22.77933	23	40	27.00	-06	09	15.0	16.0	095
1981	QJ	1981	10	22.77933	23	40	42.00	-02	43	27.3		095
1981	UZ10*	1981	10	22.77933	23	41	29.32	+00	21	24.0	17.5	095
2902		1981	10	22.77933	23	41	50.28	-04	17	59.0		095
1981	UA11*	1981	10	22.77933	23	42	07.16	-05	13	20.8	17.5	095
1981	UB11*	1981	10	22.77933	23	43	11.75	+00	04	56.4	17.5	095
3179		1981	10	22.77933	23	44	37.03	-01	56	31.2	17.5	095
1696		1981	10	22.77933	23	44	59.78	-03	54	37.4		095
2534		1981	10	22.77933	23	45	06.75	-02	04	47.7		095
114		1981	10	22.77933	23	45	58.91	-04	21	04.5		095
169		1981	10	22.77933	23	46	37.60	+01	41	31.5	1	095
794		1981	10	22.77933	23	46	37.81	-05	21	37.9		095
1981	RS4	1981	10	22.77933	23	50	12.53	-01	31	01.1	17.5	1 095
1378		1981	10	22.85432	00	06	41.25	-02	31	56.9		1 095
1981	RF5	1981	10	22.85432	00	07	07.34	-02	14	08.9	16.5	1 095
2429		1981	10	22.85432	00	12	54.11	-00	37	15.6	15.0	095
108		1981	10	22.85432	00	13	41.91	+03	47	35.7		1 095
21		1981	10	22.85432	00	13	56.71	-03	57	25.4		1 095
1981	UC11*	1981	10	22.85432	00	14	02.70	+02	45	32.3	17.0	095
299		1981	10	22.85432	00	15	05.64	+03	46	24.3		1 095
1981	RJ5	1981	10	22.85432	00	15	36.57	-01	38	18.4	17.0	095
1981	UD11*	1981	10	22.85432	00	17	00.63	+01	52	46.1	17.5	095
1981	UE11*	1981	10	22.85432	00	21	26.61	+03	23	51.3	17.5	1 095
1981	TM3	1981	10	22.85432	00	21	49.02	+01	46	29.0	17.0	095
1012		1981	10	22.85432	00	23	07.41	-03	42	26.3		095
158		1981	10	22.85432	00	24	35.32	+04	19	07.3		095
421		1981	10	22.85432	00	24	58.78	-00	34	50.3		095
1981	UF11*	1981	10	22.85432	00	26	08.23	-04	20	17.1	17.5	1 095
2279		1981	10	22.85432	00	26	43.29	-01	02	05.4		095
2864		1981	10	22.85432	00	27	33.55	-01	16	10.9		095
1981	UG11*	1981	10	22.85432	00	27	53.71	+04	25	57.3	17.5	1 095
1981	UH11*	1981	10	22.85432	00	28	20.55	-01	18	46.7	17.0	095
1981	TN3	1981	10	22.85432	00	29	19.39	+01	45	25.1	17.0	095
1981	TO3	1981	10	22.85432	00	29	59.60	+00	25	13.3	17.0	095
311		1981	10	22.85432	00	31	20.52	-01	24	33.7		095
2485		1981	10	22.85432	00	34	16.87	-00	52	18.6		2 095
5		1981	10	22.85432	00	34	41.46	-03	20	51.0		2 095
2502		1981	10	22.85432	00	35	11.03	+04	02	22.4		1 095
1981	RU3	1981	10	22.85432	00	35	12.89	+02	07	37.3	17.0	095
1981	RV3	1981	10	22.85432	00	35	21.22	+00	38	44.5	17.0	095
1981	SE1	1981	10	22.85432	00	35	29.12	-01	08	23.3	17.0	095
1335		1981	10	22.85432	00	35	37.85	+01	17	15.7		095
1981	UJ11*	1981	10	22.85432	00	35	39.62	+04	22	55.5	17.0	1 095
2121		1981	10	22.85432	00	35	49.98	-03	19	47.6		095
2160		1981	10	22.85432	00	38	18.86	-00	10	16.4		095
106		1981	10	22.85432	00	38	53.46	-01	31	19.5		095
1981	RR3	1981	10	22.85432	00	39	19.60	-02	36	27.0	17.0	095
483		1981	10	22.85432	00	39	45.98	-05	14	26.7		1 095
1928		1981	10	22.85432	00	42	19.69	+01	34	14.6		1 095
731		1981	10	22.85432	00	42	56.44	-04	40	26.1		1 095
2151		1981	10	22.85432	00	43	20.70	-00	27	06.9		1 095
561		1981	10	22.85432	00	44	01.52	+03	18	43.4		1 095
1981	UK11*	1981	10	22.92711	02	16	42.90	+07	37	26.6	17.5	1 095
1540		1981	10	22.92711	02	17	03.80	+07	09	38.3		1 095

922		1981	10	22.92711	02	17	25.64	+11	53	28.2		1	095
1782		1981	10	22.92711	02	17	36.53	+11	49	39.2		1	095
1981	UZ9	1981	10	22.92711	02	17	37.75	+10	40	49.2	16.0	1	095
3112		1981	10	22.92711	02	17	37.88	+09	13	42.0			095
1271		1981	10	22.92711	02	19	14.16	+02	49	03.8		1	095
2470		1981	10	22.92711	02	19	18.41	+10	19	30.6		1	095
1981	UL11*	1981	10	22.92711	02	19	47.76	+10	20	40.3	17.5	1	095
1047		1981	10	22.92711	02	20	00.13	+04	23	05.9			095
1981	VS	1981	10	22.92711	02	20	25.12	+11	55	07.2	15.5	1	095
1981	UM11*	1981	10	22.92711	02	24	01.03	+11	30	43.6	17.5	1	095
1981	UN11*	1981	10	22.92711	02	24	13.00	+07	50	17.7	17.0		095
1981	UO11*	1981	10	22.92711	02	25	05.44	+05	54	37.7	17.0		095
1981	UP11*	1981	10	22.92711	02	25	46.53	+08	23	16.6	17.0		095
1674		1981	10	22.92711	02	26	05.34	+10	40	45.7			095
1981	UQ11*	1981	10	22.92711	02	27	05.02	+09	29	15.6	17.0		095
1981	UR11*	1981	10	22.92711	02	28	12.13	+02	49	15.4	16.5	1	095
1981	US11*	1981	10	22.92711	02	28	51.78	+06	33	03.3	17.5		095
2311		1981	10	22.92711	02	29	39.60	+06	42	14.2			095
1981	TH3	1981	10	22.92711	02	29	40.66	+07	57	33.2	16.5		095
1981	UT11*	1981	10	22.92711	02	30	29.84	+08	49	51.0	17.0		095
2500		1981	10	22.92711	02	31	09.86	+12	13	44.4		1	095
3124		1981	10	22.92711	02	31	39.01	+06	53	23.5			095
1981	UU11*	1981	10	22.92711	02	31	46.35	+10	38	32.7	17.0		095
1977	RS6	1981	10	22.92711	02	33	17.21	+09	43	43.0	16.5		095
1981	UV11*	1981	10	22.92711	02	34	51.30	+04	04	52.3	17.0		095
1981	UW11*	1981	10	22.92711	02	34	52.97	+09	31	08.9	17.5		095
1981	UX11*	1981	10	22.92711	02	35	13.33	+04	17	22.5	17.5		095
2525		1981	10	22.92711	02	36	38.74	+11	38	26.6		1	095
1981	WH	1981	10	22.92711	02	37	32.06	+05	40	02.3	16.5		095
866		1981	10	22.92711	02	37	45.75	+04	04	14.9			095
383		1981	10	22.92711	02	38	16.91	+11	40	20.5		1	095
589		1981	10	22.92711	02	38	32.94	+04	59	28.1			095
3084		1981	10	22.92711	02	41	49.28	+11	39	32.7		1	095
1981	UY11*	1981	10	22.92711	02	42	08.88	+03	39	45.4	17.5		095
1981	TJ3	1981	10	22.92711	02	42	08.94	+10	52	38.2	17.0		095
1981	UL10	1981	10	22.92711	02	42	43.76	+05	54	27.5	17.0	1	095
1981	UZ11*	1981	10	22.92711	02	42	47.26	+04	29	33.3	17.5		095
1759		1981	10	22.92711	02	44	36.85	+07	35	07.4			095
2752		1981	10	22.92711	02	44	50.94	+07	29	05.7			095
1981	VO	1981	10	22.92711	02	46	26.35	+10	51	58.7	16.5	1	095
635		1981	10	22.92711	02	46	32.86	+06	16	05.3			095
700		1981	10	22.92711	02	50	02.64	+06	06	34.0		1	095
1981	TG2	1981	10	22.92711	02	51	47.36	+11	29	31.5	17.0	1	095
1981	UA12*	1981	10	22.92711	02	52	57.19	+08	15	03.7	17.5	1	095
2002		1981	10	22.92711	02	54	16.42	+07	31	56.7		1	095
1981	TP1	1981	10	22.99450	02	59	59.29	+26	02	11.5	17.0	1	095
2094		1981	10	22.99450	03	07	08.18	+25	04	38.3			095
1981	UB12*	1981	10	22.99450	03	14	46.41	+23	37	43.4	17.5		095
1981	UC12*	1981	10	22.99450	03	14	51.74	+26	31	08.8	17.5		095
1981	TJ4	1981	10	22.99450	03	16	48.48	+23	23	13.8	17.0		095
1981	UA2	1981	10	22.99450	03	17	17.33	+21	04	29.0	17.5		095
1981	UD2	1981	10	22.99450	03	17	34.48	+20	59	25.1	17.0		095
1147		1981	10	22.99450	03	17	53.91	+22	31	42.5			095
2088		1981	10	22.99450	03	18	23.54	+25	25	39.3			095
1981	UF12*	1981	10	22.99450	03	18	30.41	+26	32	09.1	17.0		095
1981	TH4	1981	10	22.99450	03	18	36.73	+28	20	06.2	16.5	1	095
1981	UG12*	1981	10	22.99450	03	20	19.78	+29	39	27.6	17.0	1	095
1981	UH12*	1981	10	22.99450	03	22	51.01	+24	30	09.2	17.5		095
1981	UJ12*	1981	10	22.99450	03	23	17.88	+26	34	29.2	16.0		095

915		1981	10	22.99450	03	26	47.61	+24	57	59.2		095
243		1981	10	22.99450	03	28	02.70	+20	37	34.2	1	095
1981	UK12*	1981	10	22.99450	03	29	16.11	+25	00	55.9	17.0	095
1981	UL12*	1981	10	22.99450	03	30	04.91	+29	15	19.9	17.0	1 095
1981	UJ4	1981	10	22.99450	03	31	07.37	+20	34	07.0	17.5	1 095
1981	TL4	1981	10	22.99450	03	33	00.58	+26	01	53.0	17.0	095
1964	UQ	1981	10	22.99450	03	33	45.72	+24	40	02.4	17.0	095
1608		1981	10	22.99450	03	41	56.23	+24	58	23.9		1 095
2069		1981	10	23.06573	04	20	34.66	+22	57	03.4		1 095
1261		1981	10	23.06573	04	23	01.23	+20	57	19.8		1 095
1268		1981	10	23.06573	04	28	30.49	+27	04	08.7		095
1981	UN12*	1981	10	23.06573	04	29	32.92	+25	56	56.4	16.5	095
2805		1981	10	23.06573	04	30	20.86	+22	48	12.2		095
2307		1981	10	23.06573	04	33	29.34	+24	18	54.8		095
698		1981	10	23.06573	04	34	19.02	+26	40	36.8		095
2751		1981	10	23.06573	04	34	25.98	+22	37	15.4		095
1706		1981	10	23.06573	04	36	44.46	+24	08	22.2		095
1981	XH2	1981	10	23.06573	04	39	13.54	+24	09	12.2	16.0	095
1983	CX2	1981	10	23.06573	04	39	33.59	+24	34	32.9		095
748		1981	10	23.06573	04	42	56.52	+23	32	25.4		095
235		1981	10	23.06573	04	44	24.98	+20	52	05.0		095
2156		1981	10	23.06573	04	44	35.34	+27	59	10.3		1 095
1981	UO12*	1981	10	23.06573	04	46	40.24	+27	57	41.0	16.5	1 095
1133		1981	10	23.06573	04	47	56.18	+21	18	50.0		095
22		1981	10	23.06573	04	51	58.67	+19	50	48.2		1 095
152		1981	10	23.06573	04	57	26.95	+28	48	51.8		3 095
171		1981	10	23.06573	04	57	32.75	+20	33	39.3		1 095
1981	UP12*	1981	10	23.78275	00	13	35.46	+26	12	38.4	17.5	1 095
1981	UQ12*	1981	10	23.78275	00	15	52.92	+26	27	28.0	18.0	095
1981	UR12*	1981	10	23.78275	00	18	25.76	+27	16	37.1	17.5	095
1981	US12*	1981	10	23.78275	00	18	57.64	+30	18	06.1	17.0	095
2548		1981	10	23.78275	00	22	28.98	+32	06	52.7		1 095
1981	UT12*	1981	10	23.78275	00	26	11.43	+30	06	50.6	17.5	095
426		1981	10	23.78275	00	27	13.09	+32	22	15.3		1 095
1981	UU12*	1981	10	23.78275	00	27	47.13	+26	30	54.0	18.0	095
1981	UV12*	1981	10	23.78275	00	28	04.56	+28	11	41.4	17.0	095
1832		1981	10	23.78275	00	33	16.23	+28	04	53.4		095
1981	UW12*	1981	10	23.78275	00	33	54.50	+24	47	02.9	18.0	095
733		1981	10	23.78275	00	34	40.65	+23	33	19.1		1 095
1981	UX12*	1981	10	23.78275	00	39	14.82	+31	13	42.5	16.5	095
1981	UY12*	1981	10	23.78275	00	41	14.61	+23	03	22.9	18.0	1 095
1981	UZ12*	1981	10	23.78275	00	43	03.84	+26	55	34.8	17.5	095
1981	UA13*	1981	10	23.78275	00	48	49.31	+24	56	07.0	17.5	1 095
1981	UB13*	1981	10	23.78275	00	51	08.28	+27	00	43.9	18.0	1 095
1981	UC13*	1981	10	23.84871	00	10	05.30	+12	38	14.2	17.0	1 095
1981	UD13*	1981	10	23.84871	00	11	39.48	+11	50	19.3	17.0	1 095
1981	UE13*	1981	10	23.84871	00	12	11.83	+15	36	24.6	17.5	1 095
2866		1981	10	23.84871	00	12	49.97	+14	23	30.0		1 095
1971		1981	10	23.84871	00	13	14.87	+15	24	06.7		1 095
2546		1981	10	23.84871	00	13	42.89	+15	47	42.1		1 095
1981	UF13*	1981	10	23.84871	00	14	13.69	+10	22	00.0	17.0	1 095
3145		1981	10	23.84871	00	14	47.13	+13	05	31.4		095
1981	UG13*	1981	10	23.84871	00	16	01.17	+15	03	26.0	17.0	095
1981	UH13*	1981	10	23.84871	00	17	21.68	+10	56	30.8	17.5	095
1112		1981	10	23.84871	00	22	26.70	+17	11	50.0		1 095
1981	UJ13*	1981	10	23.84871	00	22	51.96	+09	57	40.0	17.5	095
1110		1981	10	23.84871	00	24	46.35	+11	19	37.8		095
1981	UK13*	1981	10	23.84871	00	25	02.22	+08	17	52.6	17.5	1 095
2855		1981	10	23.84871	00	27	18.76	+13	16	49.0	16.5	095

1981	UL13*	1981	10	23.84871	00	27	31.90	+10	19	22.0	17.0	095
1981	RU2	1981	10	23.84871	00	27	44.63	+17	37	14.7		095
1981	UM13*	1981	10	23.84871	00	28	01.19	+12	27	29.0	17.5	095
1981	UN13*	1981	10	23.84871	00	30	04.92	+11	32	39.7	17.0	095
1981	UO13*	1981	10	23.84871	00	32	02.84	+12	27	15.7	17.5	095
1981	UP13*	1981	10	23.84871	00	32	23.52	+09	56	15.4	17.5	095
1981	UQ13*	1981	10	23.84871	00	33	00.50	+11	46	41.7	17.5	095
1981	UR13*	1981	10	23.84871	00	33	40.61	+11	16	44.6	17.5	095
1981	US13*	1981	10	23.84871	00	35	39.08	+12	46	42.5	17.5	095
1981	UT13*	1981	10	23.84871	00	37	02.91	+12	08	33.8	17.0	095
1981	UU13*	1981	10	23.84871	00	37	36.37	+10	18	53.9	17.0	095
2097		1981	10	23.84871	00	37	36.59	+11	06	02.0		095
1981	UV13*	1981	10	23.84871	00	40	41.00	+10	53	15.0	17.5	095
1981	UW13*	1981	10	23.84871	00	41	46.63	+08	43	27.4	17.0	1 095
1981	UX13*	1981	10	23.84871	00	41	52.30	+11	44	22.8	17.5	095
1981	UY13*	1981	10	23.84871	00	42	25.38	+12	46	51.3	17.5	095
1981	UZ13*	1981	10	23.84871	00	42	30.67	+12	14	13.9	18.0	2 095
1981	UA14*	1981	10	23.84871	00	44	26.45	+11	50	13.4	17.5	1 095
1981	UB14*	1981	10	23.84871	00	45	46.29	+11	37	49.6	17.5	1 095
1092		1981	10	23.84871	00	46	02.79	+13	14	41.4		1 095
1279		1981	10	23.84871	00	46	38.22	+12	27	51.5		1 095
1506		1981	10	23.90821	02	26	18.30	+20	47	59.1		1 095
1981	UC14*	1981	10	23.90821	02	26	29.47	+15	13	36.1	17.0	1 095
3260		1981	10	23.90821	02	27	13.14	+19	47	44.5	16.5	1 095
1981	UD14*	1981	10	23.90821	02	27	55.20	+13	50	09.8	17.0	1 095
2197		1981	10	23.90821	02	28	30.11	+13	14	29.2	16.3	1 095
1981	UE14*	1981	10	23.90821	02	29	14.15	+18	16	26.2	17.0	1 095
1981	UF14*	1981	10	23.90821	02	30	01.99	+19	10	50.8	18.0	1 095
1981	VE	1981	10	23.90821	02	30	18.54	+13	19	36.4	16.0	1 095
1960		1981	10	23.90821	02	31	01.84	+18	33	28.0		095
1981	UG14*	1981	10	23.90821	02	31	20.15	+19	06	40.0	17.5	095
1981	UH14*	1981	10	23.90821	02	32	13.74	+17	17	07.0	17.5	095
1981	UJ14*	1981	10	23.90821	02	32	42.14	+14	28	42.1	17.5	095
1981	UK14*	1981	10	23.90821	02	33	20.05	+19	19	07.9	17.5	095
1981	UL14*	1981	10	23.90821	02	34	08.83	+17	32	34.8	17.2	095
1981	UM14*	1981	10	23.90821	02	34	35.92	+15	29	26.3	18.0	095
1981	VF	1981	10	23.90821	02	34	36.20	+15	49	13.9	16.5	095
1981	UN14*	1981	10	23.90821	02	36	36.78	+16	35	41.3	17.0	095
271		1981	10	23.90821	02	36	47.83	+20	32	00.8		095
1981	UO14*	1981	10	23.90821	02	37	07.73	+20	35	14.1	17.5	095
1981	VK	1981	10	23.90821	02	39	59.23	+15	53	12.6	17.0	095
2908		1981	10	23.90821	02	40	55.65	+21	28	23.8		1 095
2926		1981	10	23.90821	02	41	10.26	+15	58	21.2	18.0	095
1981	UP14*	1981	10	23.90821	02	41	46.28	+18	34	44.1	17.5	095
1981	SX7	1981	10	23.90821	02	41	56.78	+19	55	59.5	18.0	095
1981	UQ14*	1981	10	23.90821	02	42	05.94	+18	37	06.8	17.5	095
1981	UR14*	1981	10	23.90821	02	43	08.40	+12	44	48.5	17.0	1 095
1981	WP	1981	10	23.90821	02	43	27.68	+19	23	57.0	16.5	095
1981	US14*	1981	10	23.90821	02	43	37.15	+12	27	43.7	17.0	1 095
1981	VL	1981	10	23.90821	02	43	37.88	+17	37	52.7	17.0	095
1981	VP	1981	10	23.90821	02	44	24.57	+18	03	15.0	17.0	095
1840		1981	10	23.90821	02	44	28.24	+15	48	53.1	16.0	095
1981	UT14*	1981	10	23.90821	02	45	49.68	+18	48	42.8	17.0	095
640		1981	10	23.90821	02	45	50.65	+20	57	36.9		1 095
1981	UU14*	1981	10	23.90821	02	45	53.86	+20	21	50.2	18.0	095
3024		1981	10	23.90821	02	46	28.35	+21	07	30.0		1 095
1981	VN	1981	10	23.90821	02	46	37.99	+15	17	53.6	16.0	095
2505		1981	10	23.90821	02	46	41.27	+15	05	06.2		095
1981	SZ7	1981	10	23.90821	02	46	55.44	+19	11	48.3	16.0	095

2588		1981	10	23.90821	02	46	58.33	+17	55	38.6		095
1559		1981	10	23.90821	02	47	29.86	+21	11	35.5	1	095
1578		1981	10	23.90821	02	47	31.85	+15	27	32.0		095
1981	UV14*	1981	10	23.90821	02	47	52.64	+17	06	18.8	17.0	095
2501		1981	10	23.90821	02	48	06.08	+18	44	34.0	16.5	095
1981	UW14*	1981	10	23.90821	02	49	01.27	+14	06	54.9	17.5	095
1981	UX14*	1981	10	23.90821	02	49	13.34	+17	55	39.9	17.0	095
1981	UY14*	1981	10	23.90821	02	49	21.82	+14	33	46.8	17.5	095
1981	UZ14*	1981	10	23.90821	02	49	26.75	+14	59	28.6	17.0	095
1981	UA15*	1981	10	23.90821	02	49	34.00	+17	38	10.1	17.0	095
1981	UB15*	1981	10	23.90821	02	49	41.72	+19	42	50.4	18.0	095
2607		1981	10	23.90821	02	49	54.00	+18	56	51.3	16.5	095
1981	UC15*	1981	10	23.90821	02	50	01.34	+17	43	17.0	18.0	095
1981	UD15*	1981	10	23.90821	02	51	38.01	+15	59	15.3	17.5	095
1981	WQ	1981	10	23.90821	02	52	20.31	+12	28	33.5	16.5	1 095
2889		1981	10	23.90821	02	53	02.90	+16	36	41.9		095
3053		1981	10	23.90821	02	53	26.59	+21	18	02.1	16.0	1 095
1911		1981	10	23.90821	02	53	59.93	+18	42	35.6	16.0	095
1981	UE15*	1981	10	23.90821	02	54	25.16	+15	31	00.8	17.5	095
1981	UF15*	1981	10	23.90821	02	54	48.41	+17	44	17.7	17.5	095
1981	UG15*	1981	10	23.90821	02	55	25.97	+17	47	13.6	17.5	095
1981	UH15*	1981	10	23.90821	02	56	08.01	+14	06	29.5	17.5	095
3034		1981	10	23.90821	02	56	10.10	+21	24	29.6	15.5	1 095
1981	UM	1981	10	23.90821	02	56	18.23	+16	09	43.1	17.0	095
1981	UJ15*	1981	10	23.90821	02	57	19.26	+17	02	59.3	18.0	095
1981	UN	1981	10	23.90821	02	58	00.15	+18	28	48.7	16.5	095
242		1981	10	23.90821	02	58	28.66	+12	48	13.4		1 095
1981	UK15*	1981	10	23.90821	02	59	29.74	+21	26	27.2	17.0	095
1981	UO	1981	10	23.90821	03	00	46.21	+15	36	12.8	17.5	095
1981	WV1	1981	10	23.90821	03	00	54.75	+19	02	58.3		095
2437		1981	10	23.90821	03	01	13.39	+17	08	26.1		2 095
2541		1981	10	23.90821	03	03	43.91	+14	16	14.4		1 095
836		1981	10	23.90821	03	03	57.63	+13	51	24.9	16.5	095
1981	UL15*	1981	10	23.90821	03	04	40.75	+13	30	08.8	16.5	1 095
1981	UM15*	1981	10	23.90821	03	05	23.70	+12	15	23.5	16.5	1 095
743		1981	10	23.90821	03	06	27.08	+18	26	48.1		1 095
1981	UN15*	1981	10	23.97544	03	35	34.40	+07	45	19.3	17.0	1 095
59		1981	10	23.97544	03	35	53.98	+07	29	57.5		1 095
1095		1981	10	23.97544	03	39	46.14	+08	29	08.0		1 095
1101		1981	10	23.97544	03	41	25.11	+06	00	31.3		095
1981	UO15*	1981	10	23.97544	03	41	37.53	+06	07	35.9	17.0	095
2802		1981	10	23.97544	03	41	37.77	+06	12	57.9		095
1981	UP15*	1981	10	23.97544	03	43	45.98	+04	05	27.4	16.0	095
1981	WE1	1981	10	23.97544	03	46	53.84	+12	00	23.9	16.5	095
876		1981	10	23.97544	03	50	19.74	+03	11	11.6		1 095
874		1981	10	23.97544	03	51	00.10	+10	16	01.7		095
1981	UQ15*	1981	10	23.97544	03	51	02.37	+03	41	14.6	17.0	1 095
2511		1981	10	23.97544	03	56	50.62	+12	29	43.7		1 095
314		1981	10	23.97544	03	58	29.06	+04	00	15.5		095
1484		1981	10	23.97544	03	59	09.63	+11	12	04.0		095
1723		1981	10	23.97544	03	59	42.70	+04	59	17.9		095
1603		1981	10	23.97544	04	01	47.39	+07	09	39.9		095
1665		1981	10	23.97544	04	01	59.92	+06	23	44.5		095
1492		1981	10	23.97544	04	02	25.02	+10	49	55.6		095
2507		1981	10	23.97544	04	04	36.67	+06	06	24.0		095
1981	UA10	1981	10	23.97544	04	05	11.10	+10	53	07.9	17.0	095
1575		1981	10	23.97544	04	06	07.62	+05	09	35.2		095
1017		1981	10	23.97544	04	07	13.88	+09	47	02.3		095
2904		1981	10	23.97544	04	09	25.11	+07	06	37.8		095

1981	UR15*	1981	10	23.97544	04	11	44.47	+11	39	37.2	17.0	1	095
1981	US15*	1981	10	23.97544	04	15	30.37	+10	19	00.0	17.0	1	095
1964	UQ	1981	10	24.04488	03	32	58.41	+24	33	33.7	16.0	1	095
1981	UT15*	1981	10	24.04488	03	38	10.91	+21	21	06.7	17.5		095
2519		1981	10	24.04488	03	40	10.00	+17	32	11.5		1	095
1608		1981	10	24.04488	03	40	59.14	+24	58	17.6			095
1981	UU15*	1981	10	24.04488	03	41	31.18	+25	59	02.0	16.5		095
2587		1981	10	24.04488	03	41	56.62	+17	24	35.8		1	095
2571		1981	10	24.04488	03	43	40.96	+17	31	28.8	16.0	1	095
1981	UZ6	1981	10	24.04488	03	46	29.22	+19	07	34.9	16.0		095
1981	UG9	1981	10	24.04488	03	48	19.75	+26	49	13.5	17.5	1	095
1981	UC9	1981	10	24.04488	03	48	45.33	+26	50	28.8	17.5	1	095
1981	UV15*	1981	10	24.04488	03	50	12.55	+25	21	55.0	17.0		095
2813		1981	10	24.04488	03	52	27.78	+21	02	02.3			095
1375		1981	10	24.04488	03	53	51.95	+19	30	47.6			095
2582		1981	10	24.04488	03	54	57.91	+18	07	32.6		1	095
1981	UW15*	1981	10	24.04488	03	55	23.78	+24	03	37.3	17.0		095
1814		1981	10	24.04488	03	55	30.20	+24	03	42.6			095
599		1981	10	24.04488	03	56	22.01	+22	34	18.8			095
1981	UX15*	1981	10	24.04488	03	57	55.84	+22	28	00.9	17.0		095
1894		1981	10	24.04488	04	00	06.29	+21	13	24.8			095
2051		1981	10	24.04488	04	00	34.34	+20	03	50.6			095
1981	UB10	1981	10	24.04488	04	01	20.70	+21	08	59.5	17.0		095
1981	UC10	1981	10	24.04488	04	01	41.97	+23	24	06.4	17.0		095
1483		1981	10	24.04488	04	01	55.03	+18	16	45.6		1	095
2072		1981	10	24.04488	04	02	55.23	+23	58	22.1			095
333		1981	10	24.04488	04	03	51.14	+25	41	14.3			095
274		1981	10	24.04488	04	04	45.75	+17	36	27.0		1	095
2054		1981	10	24.04488	04	05	34.25	+25	43	49.2			095
2167		1981	10	24.04488	04	05	35.70	+24	04	42.7			095
1984	SF1	1981	10	24.04488	04	08	15.22	+25	06	56.1	17.5		095
1977	RH7	1981	10	24.04488	04	09	15.84	+25	05	26.5			095
1981	UY15*	1981	10	24.04488	04	13	16.63	+23	49	42.1	16.5	1	095
896		1981	10	24.04488	04	13	21.66	+25	35	53.6		3	095
1378		1981	10	24.78090	00	05	27.15	-02	35	55.8		1	095
1981	RF5	1981	10	24.78090	00	06	04.95	-02	18	01.8	17.0	1	095
1981	UZ15*	1981	10	24.78090	00	07	53.05	+03	54	46.2	16.5	1	095
2429		1981	10	24.78090	00	11	17.23	-00	31	25.8			095
108		1981	10	24.78090	00	12	35.50	+03	41	35.6		1	095
1981	UC11	1981	10	24.78090	00	12	53.72	+02	38	24.7	17.5		095
21		1981	10	24.78090	00	12	55.70	-03	59	10.9		1	095
299		1981	10	24.78090	00	13	55.16	+03	36	33.9		1	095
1981	RJ5	1981	10	24.78090	00	14	40.75	-01	43	47.6	17.0		095
1981	UD11	1981	10	24.78090	00	15	51.83	+01	49	25.5	17.5		095
1981	UA16*	1981	10	24.78090	00	16	52.68	-04	18	41.0	16.0	1	095
1981	TM3	1981	10	24.78090	00	20	16.76	+01	43	33.8	17.0		095
1981	UE11	1981	10	24.78090	00	20	36.98	+03	10	23.7	17.5		095
1981	SL	1981	10	24.78090	00	20	56.16	+01	27	53.1	17.5		095
1012		1981	10	24.78090	00	21	43.72	-03	46	55.2			095
158		1981	10	24.78090	00	23	22.81	+04	10	39.6		1	095
421		1981	10	24.78090	00	24	22.68	-00	52	28.2			095
1981	UB16*	1981	10	24.78090	00	24	59.17	-00	39	00.1	17.5		095
1981	UC16*	1981	10	24.78090	00	25	04.83	-02	28	07.7	18.0		095
2279		1981	10	24.78090	00	25	21.99	-01	10	30.2			095
2864		1981	10	24.78090	00	26	16.28	-01	24	08.5			095
1981	TN3	1981	10	24.78090	00	28	09.00	+01	37	00.0	17.0		095
1981	TO3	1981	10	24.78090	00	28	53.84	+00	19	39.2	17.0		095
311		1981	10	24.78090	00	30	05.57	-01	30	14.1			095
1981	UD16*	1981	10	24.78090	00	30	43.22	+01	39	13.3	18.0		095

1981	UE16*	1981	10	24.78090	00	33	21.95	+01	40	52.4	17.5	095
2502		1981	10	24.78090	00	33	33.88	+04	00	27.8		1 095
1981	RU3	1981	10	24.78090	00	34	02.08	+01	56	38.6	17.0	095
1981	RV3	1981	10	24.78090	00	34	10.50	+00	31	54.0	17.0	095
1981	SE1	1981	10	24.78090	00	34	10.55	-01	18	21.8	17.0	095
1335		1981	10	24.78090	00	34	28.97	+01	07	06.8		095
2121		1981	10	24.78090	00	34	35.52	-03	27	25.3		095
2160		1981	10	24.78090	00	37	05.90	-00	17	40.2		095
2899		1981	10	24.78090	00	37	10.64	+04	04	56.4		1 095
106		1981	10	24.78090	00	37	38.65	-01	34	38.1		095
1981	RR3	1981	10	24.78090	00	38	27.98	-02	48	21.7	17.0	095
2539		1981	10	24.78090	00	39	29.29	+03	03	23.6		1 095
1928		1981	10	24.78090	00	41	12.59	+01	22	21.4		1 095
731		1981	10	24.78090	00	41	30.08	-04	38	43.5		1 095
2151		1981	10	24.78090	00	41	30.17	-00	24	38.2		1 095
561		1981	10	24.78090	00	42	45.32	+03	10	18.2		1 095
394		1981	10	24.78090	00	44	25.82	-04	04	47.8		1 095
1981	UF16*	1981	10	24.85043	01	55	27.07	+08	55	18.4	16.5	1 095
2880		1981	10	24.85043	01	56	08.47	+10	14	06.2		1 095
1981	UG16*	1981	10	24.85043	01	56	19.52	+07	36	43.4	17.0	1 095
1981	SM5	1981	10	24.85043	01	56	23.50	+09	46	05.9	16.5	1 095
1981	UH16*	1981	10	24.85043	01	57	07.29	+06	05	34.2	17.0	1 095
1981	UJ16*	1981	10	24.85043	01	57	16.88	+09	45	27.0	17.0	1 095
2073		1981	10	24.85043	01	59	14.06	+07	55	36.7		1 095
1981	UK16*	1981	10	24.85043	01	59	18.74	+05	15	26.8	17.0	1 095
1981	UL16*	1981	10	24.85043	01	59	56.44	+09	03	11.9	17.0	1 095
1981	UC1	1981	10	24.85043	01	59	57.36	+09	53	45.4	16.3	1 095
1981	UM16*	1981	10	24.85043	02	00	04.50	+08	42	31.7	17.0	1 095
2515		1981	10	24.85043	02	00	39.94	+09	18	28.3		1 095
1981	UN16*	1981	10	24.85043	02	01	21.80	+11	31	24.3	17.0	095
1981	UO16*	1981	10	24.85043	02	02	06.45	+08	51	46.0	18.0	095
1981	UP16*	1981	10	24.85043	02	02	14.61	+07	35	17.6	17.0	095
1981	UQ16*	1981	10	24.85043	02	04	21.51	+09	24	55.8	17.0	095
1981	UR16*	1981	10	24.85043	02	04	35.66	+09	14	51.6	17.5	095
3114		1981	10	24.85043	02	05	22.66	+10	25	09.8	17.0	095
1981	US16*	1981	10	24.85043	02	05	41.38	+09	52	19.1	18.0	2 095
806		1981	10	24.85043	02	05	56.23	+07	40	50.6		095
1981	UT16*	1981	10	24.85043	02	06	22.40	+07	31	37.0	17.5	095
1981	UU16*	1981	10	24.85043	02	06	29.55	+09	54	52.6	17.0	095
1981	UV16*	1981	10	24.85043	02	06	30.96	+11	02	27.0	17.5	095
1981	UW16*	1981	10	24.85043	02	08	03.52	+07	24	02.5	17.5	095
1981	UX16*	1981	10	24.85043	02	08	15.02	+12	01	01.0	17.3	1 095
1981	UB1	1981	10	24.85043	02	09	04.01	+11	17	38.1	16.0	095
1981	UY16*	1981	10	24.85043	02	09	46.67	+06	53	01.6	17.5	095
1981	UZ16*	1981	10	24.85043	02	10	18.72	+08	35	09.2	17.5	095
1981	UA17*	1981	10	24.85043	02	10	36.21	+12	43	02.4	17.0	1 095
1981	UB17*	1981	10	24.85043	02	11	17.82	+12	24	19.7	17.0	1 095
1981	UC17*	1981	10	24.85043	02	11	39.28	+05	26	50.7	17.5	095
1981	UD17*	1981	10	24.85043	02	12	12.06	+08	22	55.2	17.0	095
1981	UE17*	1981	10	24.85043	02	12	33.97	+08	20	01.0	18.0	095
1981	UF17*	1981	10	24.85043	02	12	41.48	+12	12	21.9	17.0	1 095
1981	UG17*	1981	10	24.85043	02	12	53.24	+12	12	27.3	17.5	1 095
1981	UH17*	1981	10	24.85043	02	14	32.78	+06	34	53.4	18.0	095
1981	UK11	1981	10	24.85043	02	15	00.33	+07	26	54.4	17.0	095
1540		1981	10	24.85043	02	15	18.57	+07	06	42.8		095
3112		1981	10	24.85043	02	15	37.40	+09	07	11.5		095
1981	UZ9	1981	10	24.85043	02	15	39.01	+10	47	02.5	15.5	095
1981	UJ17*	1981	10	24.85043	02	15	46.40	+08	08	47.2	17.5	095
922		1981	10	24.85043	02	15	49.18	+11	37	45.9		095

1782		1981	10	24.85043	02	16	07.62	+11	41	35.4		1	095
1981	UK17*	1981	10	24.85043	02	16	33.94	+03	52	43.5	17.5	1	095
1981	UL17*	1981	10	24.85043	02	17	27.89	+06	57	39.8	18.0		095
1981	UL11	1981	10	24.85043	02	17	29.42	+10	08	59.4	17.5		095
2470		1981	10	24.85043	02	17	41.94	+10	12	25.3			095
1047		1981	10	24.85043	02	18	06.97	+04	21	03.8			095
1981	UM17*	1981	10	24.85043	02	19	03.78	+10	44	01.4	17.5		095
1981	VS	1981	10	24.85043	02	19	13.64	+11	33	50.8	15.0		095
1981	UN17*	1981	10	24.85043	02	19	47.46	+06	33	18.8	17.5		095
1981	UM11	1981	10	24.85043	02	22	18.45	+11	18	03.4	17.0		095
1981	UN11	1981	10	24.85043	02	22	48.00	+07	37	42.0	17.0		095
1981	UO17*	1981	10	24.85043	02	23	18.70	+07	23	06.6	17.0		095
1981	UO11	1981	10	24.85043	02	23	18.87	+05	45	15.7	17.0		095
1981	UP11	1981	10	24.85043	02	24	11.00	+08	03	39.6	16.5		095
1981	UP17*	1981	10	24.85043	02	24	24.36	+06	55	33.6	17.5		095
1674		1981	10	24.85043	02	24	36.22	+10	33	45.2			095
1981	UQ17*	1981	10	24.85043	02	25	13.00	+05	38	26.5	17.0		095
1981	UQ11	1981	10	24.85043	02	25	15.17	+09	22	42.1	17.0		095
1981	UR17*	1981	10	24.85043	02	25	34.43	+09	01	30.4	17.5		095
1981	US11	1981	10	24.85043	02	27	29.12	+06	16	02.6	17.5		095
1981	US17*	1981	10	24.85043	02	27	30.60	+08	15	58.2	17.5		095
1981	TH3	1981	10	24.85043	02	27	50.62	+07	42	20.4	16.5		095
2311		1981	10	24.85043	02	28	24.02	+06	33	48.4			095
1981	UT17*	1981	10	24.85043	02	28	48.66	+11	15	37.9	17.5		095
2500		1981	10	24.85043	02	29	05.40	+12	09	00.5		1	095
1981	UU17*	1981	10	24.85043	02	29	28.38	+11	18	44.1	17.5		095
3124		1981	10	24.85043	02	30	04.57	+06	42	05.1			095
1981	UU11	1981	10	24.85043	02	30	20.02	+10	22	40.0	17.5		095
1977	RS6	1981	10	24.85043	02	31	31.44	+09	32	50.0	16.5	1	095
2525		1981	10	24.85043	02	35	08.30	+11	32	21.8		1	095
866		1981	10	24.85043	02	36	14.76	+03	58	45.9		1	095
1981	WH	1981	10	24.85043	02	36	18.37	+05	29	28.8	16.5	1	095
383		1981	10	24.85043	02	36	48.73	+11	34	02.1		1	095
1981	TP1	1981	10	24.92058	02	58	33.59	+25	52	31.3	16.5	3	095
1981	UV17*	1981	10	24.92058	03	04	19.00	+20	23	36.0	17.2	1	095
1981	UW17*	1981	10	24.92058	03	05	11.40	+20	23	41.1	17.2	1	095
2094		1981	10	24.92058	03	05	19.78	+24	58	06.8			095
2070		1981	10	24.92058	03	05	30.94	+20	58	33.6		1	095
1981	UX17*	1981	10	24.92058	03	09	51.34	+22	40	33.1	17.2		095
1981	UB12	1981	10	24.92058	03	13	25.60	+23	31	43.1	17.5		095
1981	TJ4	1981	10	24.92058	03	15	12.00	+23	25	07.3	17.0		095
1981	UA2	1981	10	24.92058	03	15	56.08	+20	56	53.3	17.5		095
1147		1981	10	24.92058	03	16	00.34	+22	23	34.5			095
1981	UD2	1981	10	24.92058	03	16	17.94	+20	42	01.4	17.0	1	095
2088		1981	10	24.92058	03	16	38.56	+25	27	52.8			095
1981	TH4	1981	10	24.92058	03	17	17.91	+28	20	46.5	16.0		095
1981	UG12	1981	10	24.92058	03	18	46.87	+29	27	35.6	16.5	1	095
1981	UH12	1981	10	24.92058	03	21	23.72	+24	23	28.5	17.5		095
1981	UY17*	1981	10	24.92058	03	21	30.81	+26	54	09.1	17.0		095
1981	UJ12	1981	10	24.92058	03	22	03.06	+26	28	24.7	16.0		095
915		1981	10	24.92058	03	25	14.70	+25	03	17.7			095
1981	UZ17*	1981	10	24.92058	03	25	48.09	+23	45	34.5	17.5		095
243		1981	10	24.92058	03	26	41.22	+20	33	25.2		1	095
1981	UA18*	1981	10	24.92058	03	27	02.23	+26	38	03.0	17.0		095
1981	UK12	1981	10	24.92058	03	27	44.14	+24	55	19.8	17.0		095
1981	UL12	1981	10	24.92058	03	28	37.91	+29	11	01.2	16.5	1	095
1981	UJ4	1981	10	24.92058	03	29	29.48	+20	31	23.5	17.2	1	095
1981	TL4	1981	10	24.92058	03	31	22.67	+25	56	16.2	17.0		095
1964	UQ	1981	10	24.92058	03	32	18.64	+24	27	56.1	16.5		095

1981	UB18*	1981	10	24.92058	03	33	59.34	+24	57	51.7	17.5	095
1981	UC18*	1981	10	24.92058	03	37	29.68	+27	16	02.8	17.0	095
1981	UT15	1981	10	24.92058	03	37	34.36	+21	19	47.5	17.5	1 095
1608		1981	10	24.92058	03	40	10.74	+24	57	59.0		095
1981	UU15	1981	10	24.92058	03	40	56.70	+25	58	36.7	16.5	1 095
1327		1981	10	24.98956	03	29	00.91	+16	56	51.7		1 095
1981	UD18*	1981	10	24.98956	03	32	33.23	+16	48	21.0	17.0	1 095
1981	UT15	1981	10	24.98956	03	37	31.31	+21	19	47.8	17.0	095
2519		1981	10	24.98956	03	39	31.44	+17	30	21.6		095
1981	UE18*	1981	10	24.98956	03	39	34.06	+18	11	41.8	17.0	095
2587		1981	10	24.98956	03	41	19.84	+17	22	42.5		095
2571		1981	10	24.98956	03	42	55.91	+17	30	41.0	15.5	095
2708		1981	10	24.98956	03	43	11.83	+15	44	10.7		095
2273		1981	10	24.98956	03	44	12.00	+19	33	03.3		095
1981	UZ6	1981	10	24.98956	03	45	50.04	+19	09	58.5	16.0	095
1981	WU	1981	10	24.98956	03	46	33.80	+13	39	00.5	17.0	1 095
1981	WC	1981	10	24.98956	03	47	47.10	+14	18	52.2	16.0	1 095
1981	UF18*	1981	10	24.98956	03	48	21.93	+16	18	53.8	17.0	095
1981	UG18*	1981	10	24.98956	03	48	33.68	+15	14	40.1	17.0	095
2535		1981	10	24.98956	03	49	50.26	+15	07	39.5		095
1981	UQ7	1981	10	24.98956	03	50	02.53	+20	58	48.7	17.0	095
1981	UT7	1981	10	24.98956	03	50	27.13	+17	26	52.9	17.5	095
1981	UU7	1981	10	24.98956	03	50	48.42	+18	27	35.8	17.5	095
2813		1981	10	24.98956	03	51	57.61	+20	56	16.1		095
1375		1981	10	24.98956	03	53	13.68	+19	31	34.2		095
2582		1981	10	24.98956	03	54	18.63	+18	09	23.9		095
1981	UH18*	1981	10	24.98956	03	54	30.32	+16	54	47.9	17.5	095
3172		1981	10	24.98956	03	55	11.14	+16	14	30.4		095
599		1981	10	24.98956	03	55	29.86	+22	40	15.3		1 095
1981	WB1	1981	10	24.98956	03	56	37.48	+14	48	08.2	16.0	095
1773		1981	10	24.98956	03	58	55.61	+17	13	19.6	16.0	095
1894		1981	10	24.98956	03	59	33.35	+21	11	45.8		095
2051		1981	10	24.98956	04	00	02.29	+20	01	46.2		095
1981	UJ18*	1981	10	24.98956	04	00	24.37	+20	41	14.3	17.0	095
1981	UB10	1981	10	24.98956	04	00	39.54	+21	12	05.5	17.0	095
1483		1981	10	24.98956	04	01	20.87	+18	15	55.4		095
1981	UK18*	1981	10	24.98956	04	03	11.34	+23	03	14.0	17.0	1 095
3284		1981	10	24.98956	04	04	07.55	+15	42	41.1		095
274		1981	10	24.98956	04	04	13.32	+17	35	02.0		095
896		1981	10	25.05864	04	12	38.98	+25	32	34.9		1 095
1981	UY15	1981	10	25.05864	04	12	39.01	+23	54	09.7	16.0	1 095
1981	UL18*	1981	10	25.05864	04	14	00.84	+27	50	11.2	17.0	095
1981	UM18*	1981	10	25.05864	04	14	05.52	+28	03	02.7		095
1969	DA	1981	10	25.05864	04	14	11.24	+27	44	06.2		095
1760		1981	10	25.05864	04	15	18.67	+20	33	35.4		095
1981	UN18*	1981	10	25.05864	04	15	34.22	+23	19	34.8	16.5	095
1981	UO18*	1981	10	25.05864	04	19	23.01	+22	59	50.8	16.5	095
2069		1981	10	25.05864	04	19	40.85	+23	02	04.0		095
1261		1981	10	25.05864	04	22	05.34	+20	55	59.6		095
267		1981	10	25.05864	04	24	40.50	+19	04	25.9		3 095
1981	UP18*	1981	10	25.05864	04	25	08.29	+25	50	53.5	17.0	095
1268		1981	10	25.05864	04	27	42.69	+27	05	09.7		095
1981	UN12	1981	10	25.05864	04	28	55.74	+25	58	43.2	16.5	095
2805		1981	10	25.05864	04	29	22.64	+22	52	42.5		095
2307		1981	10	25.05864	04	32	37.06	+24	14	36.2	15.8	095
698		1981	10	25.05864	04	33	25.07	+26	48	33.8		095
2751		1981	10	25.05864	04	34	05.78	+22	35	07.3		095
3144		1981	10	25.05864	04	34	15.46	+24	49	58.5	17.0	095
1706		1981	10	25.05864	04	35	41.07	+24	06	27.3		095

1981	XH2	1981	10	25.05864	04	38	41.51	+24	01	19.2	15.5	095
1983	CX2	1981	10	25.05864	04	38	53.74	+24	33	23.2	17.3	095
	748	1981	10	25.05864	04	42	23.47	+23	30	57.2		095
	235	1981	10	25.05864	04	43	32.87	+20	54	29.7		095
2156		1981	10	25.05864	04	44	13.34	+28	10	18.3		1 095
1981	UQ18*	1981	10	25.05864	04	45	23.55	+25	51	58.8	17.0	095
1133		1981	10	25.05864	04	47	22.20	+21	25	29.5		1 095
1981	UR18*	1981	10	26.77785	23	36	15.88	-06	34	41.4	17.0	1 095
1544		1981	10	26.77785	23	37	00.88	-07	03	50.8		1 095
1518		1981	10	26.77785	23	37	22.10	-06	04	10.2		1 095
1111		1981	10	26.77785	23	37	59.00	-07	19	50.8		1 095
1981	US18*	1981	10	26.77785	23	38	10.84	-05	20	40.1	17.0	1 095
1981	UT18*	1981	10	26.77785	23	38	18.22	-02	24	40.8	17.0	1 095
1981	ST	1981	10	26.77785	23	39	17.03	-06	32	54.8	16.5	1 095
1981	UU18*	1981	10	26.77785	23	39	37.90	-07	29	27.6	16.0	1 095
1981	UV18*	1981	10	26.77785	23	41	18.34	-03	39	11.5	17.0	1 095
1981	UW18*	1981	10	26.77785	23	42	09.78	-04	18	20.0	17.0	095
1696		1981	10	26.77785	23	42	41.41	-03	57	00.2		095
3179		1981	10	26.77785	23	42	53.60	-02	09	33.0	16.5	095
1981	UX18*	1981	10	26.77785	23	43	32.53	-01	17	16.8	17.0	2 095
2534		1981	10	26.77785	23	43	49.72	-02	13	54.6		095
	114	1981	10	26.77785	23	44	06.75	-04	35	42.0		095
1981	UY18*	1981	10	26.77785	23	44	26.78	-03	53	16.3	17.0	095
	794	1981	10	26.77785	23	45	28.69	-05	31	57.9		095
1981	SD2	1981	10	26.77785	23	46	37.91	-06	09	22.5	17.0	095
1981	UZ18*	1981	10	26.77785	23	47	40.19	+00	41	55.4	17.0	1 095
1981	UA19*	1981	10	26.77785	23	50	21.82	-08	10	25.8	17.0	1 095
1981	UB19*	1981	10	26.77785	23	50	24.75	-08	08	11.0	17.0	1 095
1981	UC19*	1981	10	26.77785	23	51	02.34	-01	15	05.2	16.5	095
1981	UD19*	1981	10	26.77785	23	51	48.94	+01	14	17.0	16.5	1 095
2857		1981	10	26.77785	23	51	52.06	-07	04	03.4		095
1981	UE19*	1981	10	26.77785	23	51	55.66	-04	00	43.0	17.0	095
1981	UF19*	1981	10	26.77785	23	52	23.16	-05	24	18.9	17.0	095
1521		1981	10	26.77785	23	52	36.22	-01	37	12.0		095
1489		1981	10	26.77785	23	53	01.97	-02	33	12.6		095
1981	RW4	1981	10	26.77785	23	53	24.62	-04	24	57.3	17.0	095
1981	UG19*	1981	10	26.77785	23	53	40.90	-05	09	14.8	17.0	095
1981	RV4	1981	10	26.77785	23	55	03.78	-04	25	56.8	16.0	095
1981	UH19*	1981	10	26.77785	23	55	56.31	-03	40	53.9	17.0	095
1981	UJ19*	1981	10	26.77785	23	56	06.66	-01	44	50.1	17.0	095
1981	UK19*	1981	10	26.77785	23	56	37.75	-03	41	20.0	17.0	2 095
1981	UL19*	1981	10	26.77785	23	59	14.34	-02	25	09.8	17.0	095
1981	RG5	1981	10	26.77785	23	59	26.72	-01	10	31.7	16.5	095
	725	1981	10	26.77785	00	00	27.08	-05	58	56.9		095
1981	UM19*	1981	10	26.77785	00	03	25.82	-03	07	54.0	17.0	095
1981	RD5	1981	10	26.77785	00	03	47.04	-04	46	11.4	16.5	095
1378		1981	10	26.77785	00	04	16.06	-02	39	25.3		095
1981	RF5	1981	10	26.77785	00	05	05.14	-02	21	30.2	16.5	095
1981	RC5	1981	10	26.77785	00	07	31.15	-07	23	54.3	16.5	095
1981	UN19*	1981	10	26.77785	00	08	19.92	-08	38	51.4	16.5	1 095
2429		1981	10	26.77785	00	09	42.72	-00	24	55.7		1 095
	21	1981	10	26.77785	00	11	58.70	-04	00	11.2		1 095
1180		1981	10	26.77785	00	12	21.36	-08	48	07.1		1 095
1981	RJ5	1981	10	26.77785	00	13	47.62	-01	48	49.0	16.5	1 095
1981	UO19*	1981	10	26.77785	00	16	04.16	-02	05	31.2	17.0	1 095
2558		1981	10	26.85897	00	50	05.02	+01	02	10.7		1 095
1899		1981	10	26.85897	00	50	39.33	-01	23	03.6		1 095
2557		1981	10	26.85897	00	52	15.05	+02	18	06.6		1 095
1981	SM1	1981	10	26.85897	00	53	11.79	+02	33	39.5		1 095

1063		1981	10	26.85897	00	53	19.20	-04	37	40.8		1	095
1812		1981	10	26.85897	00	53	22.12	-00	12	19.0		1	095
2162		1981	10	26.85897	00	54	23.25	-00	21	22.5		1	095
1981	WK2	1981	10	26.85897	00	54	38.43	+02	37	56.8	16.5	1	095
2553		1981	10	26.85897	00	54	47.03	-02	25	23.3		1	095
1030		1981	10	26.85897	00	56	07.85	+01	41	52.8			095
1981	SQ1	1981	10	26.85897	00	59	13.20	+04	09	05.0	17.0	1	095
1981	SN1	1981	10	26.85897	00	59	44.20	+02	21	31.2	16.5		095
1981	TB3	1981	10	26.85897	00	59	49.39	+04	13	45.6	17.0	3	095
1981	UP19*	1981	10	26.85897	01	00	28.33	+03	10	26.5	17.5	1	095
1981	VC1	1981	10	26.85897	01	03	34.32	+03	58	13.3	16.0	1	095
2837		1981	10	26.85897	01	04	25.91	+03	47	25.7		1	095
1981	SW6	1981	10	26.85897	01	04	57.41	-00	15	00.8	17.0		095
1981	SA7	1981	10	26.85897	01	05	52.81	+00	20	19.6	16.5		095
1981	UQ19*	1981	10	26.85897	01	06	22.50	-00	43	22.7	17.0		095
1981	SZ6	1981	10	26.85897	01	06	39.88	+03	38	42.9	17.0	1	095
1981	UR19*	1981	10	26.85897	01	06	46.25	+02	52	47.7	17.0	1	095
1981	SC7	1981	10	26.85897	01	09	16.51	+02	24	02.1	16.5		095
1425		1981	10	26.85897	01	11	36.35	+01	18	22.2			095
1981	SD7	1981	10	26.85897	01	11	55.11	-02	09	58.8	16.5		095
1981	SE7	1981	10	26.85897	01	11	58.47	-00	34	31.3	17.0		095
1981	US19*	1981	10	26.85897	01	13	16.15	+01	21	48.1	17.0		095
416		1981	10	26.85897	01	14	56.34	-04	22	54.4		1	095
2136		1981	10	26.85897	01	17	27.75	-04	55	37.8		1	095
339		1981	10	26.85897	01	17	45.43	-00	00	51.2			095
2284		1981	10	26.85897	01	19	23.72	+00	16	24.5			095
52		1981	10	26.85897	01	25	08.82	-02	29	38.8		1	095
1577		1981	10	26.85897	01	27	10.17	-00	42	16.2		1	095
1981	SH1	1981	10	27.83126	00	44	07.20	+08	07	46.7	16.5	1	095
697		1981	10	27.83126	00	44	19.23	+07	35	48.8		1	095
2516		1981	10	27.83126	00	44	26.38	+02	34	03.1		1	095
761		1981	10	27.83126	00	45	20.95	+04	38	09.6		1	095
1981	UT10	1981	10	27.83126	00	47	11.06	+08	39	04.8	16.5	1	095
2533		1981	10	27.83126	00	47	58.46	+05	12	20.4		1	095
2471		1981	10	27.83126	00	50	00.41	+06	42	15.8	16.5		095
848		1981	10	27.83126	00	50	17.10	+05	35	43.1			095
2590		1981	10	27.83126	00	50	21.83	+09	31	51.1			095
76		1981	10	27.83126	00	50	51.95	+05	41	51.1			095
2557		1981	10	27.83126	00	51	41.97	+02	10	31.8			095
1981	SM1	1981	10	27.83126	00	52	36.65	+02	30	12.0			095
1981	WK2	1981	10	27.83126	00	53	57.67	+02	34	56.0	16.5		095
1030		1981	10	27.83126	00	55	33.36	+01	35	37.5		1	095
429		1981	10	27.83126	00	56	45.55	+10	51	59.6		1	095
1981	SQ1	1981	10	27.83126	00	58	37.79	+04	04	33.1	16.5		095
1981	TC3	1981	10	27.83126	00	58	39.85	+09	08	06.4	16.5		095
1981	TB3	1981	10	27.83126	00	59	10.54	+04	09	48.0	17.0		095
1981	SN1	1981	10	27.83126	00	59	14.62	+02	18	14.2	17.0		095
1981	UT19*	1981	10	27.83126	01	01	10.00	+05	55	33.3	17.0		095
1495		1981	10	27.83126	01	01	13.10	+10	48	20.6		1	095
1981	VC1	1981	10	27.83126	01	02	47.98	+03	56	35.1	16.5		095
1791		1981	10	27.83126	01	03	03.12	+06	06	30.4			095
2837		1981	10	27.83126	01	03	42.89	+03	44	08.6			095
1981	SZ6	1981	10	27.83126	01	05	57.10	+03	36	17.3	17.0		095
1981	TE3	1981	10	27.83126	01	06	16.09	+08	32	50.0	16.5		095
1615		1981	10	27.83126	01	06	38.00	+04	48	01.1			095
1981	UU19*	1981	10	27.83126	01	07	59.25	+08	26	06.7	17.0		095
1981	SC7	1981	10	27.83126	01	08	25.80	+02	27	25.6	17.0		095
1425		1981	10	27.83126	01	10	53.60	+01	10	33.5		1	095
149		1981	10	27.83126	01	11	02.36	+06	07	04.8			095

2528		1981	10	27.83126	01	11	53.27	+07	02	15.2		095
2440		1981	10	27.83126	01	12	07.42	+10	29	02.5	1	095
178		1981	10	27.83126	01	13	03.61	+06	16	27.1		095
1354		1981	10	27.83126	01	14	16.13	+07	10	35.0		095
2525		1981	10	27.90626	02	32	40.55	+11	22	39.1	1	095
866		1981	10	27.90626	02	33	46.86	+03	50	35.0	1	095
1981	WH	1981	10	27.90626	02	34	13.27	+05	13	31.5	16.5	1 095
383		1981	10	27.90626	02	34	24.00	+11	23	53.7		1 095
589		1981	10	27.90626	02	34	59.65	+04	26	03.0		1 095
3084		1981	10	27.90626	02	37	11.22	+11	05	01.5		1 095
1981	UL10	1981	10	27.90626	02	38	14.20	+05	44	50.2	17.0	095
1981	TJ3	1981	10	27.90626	02	38	24.94	+10	35	06.8	17.0	095
1759		1981	10	27.90626	02	40	55.47	+07	04	34.7		095
2752		1981	10	27.90626	02	41	14.81	+06	51	53.9		095
1981	VO	1981	10	27.90626	02	41	54.40	+10	36	51.1	16.5	095
635		1981	10	27.90626	02	43	03.61	+05	40	15.3		095
700		1981	10	27.90626	02	45	00.76	+05	46	13.0		095
1981	TG2	1981	10	27.90626	02	47	42.64	+11	10	13.7	17.0	095
1981	WQ	1981	10	27.90626	02	48	07.76	+12	24	39.1	16.5	1 095
2002		1981	10	27.90626	02	49	57.47	+06	55	08.7		095
1981	UV19*	1981	10	27.90626	02	50	34.08	+09	32	00.2	16.5	095
2017		1981	10	27.90626	02	54	09.77	+09	44	26.4		095
242		1981	10	27.90626	02	55	31.00	+12	17	39.0		1 095
2109		1981	10	27.90626	02	55	47.54	+03	35	57.7		1 095
1981	UW19*	1981	10	27.90626	02	57	25.15	+07	53	22.1	17.0	095
1929		1981	10	27.90626	02	57	49.53	+11	06	25.4		095
1981	UX19*	1981	10	27.90626	02	58	57.67	+04	06	07.7	17.0	095
1562		1981	10	27.90626	03	00	28.43	+08	28	38.4		095
1981	UY19*	1981	10	27.90626	03	00	32.26	+08	24	22.7	17.0	2 095
1981	UM15	1981	10	27.90626	03	01	58.84	+11	55	09.8	17.0	1 095
1981	UZ19*	1981	10	27.90626	03	02	13.20	+07	12	51.0	17.0	095
530		1981	10	27.90626	03	03	45.96	+03	40	26.3		1 095
1981	UA20*	1981	10	27.90626	03	05	13.77	+12	16	12.5	16.0	1 095
638		1981	10	27.90626	03	07	19.10	+07	27	44.2		1 095
876		1981	10	27.97917	03	47	53.69	+02	48	25.7		1 095
314		1981	10	27.97917	03	56	17.21	+03	31	59.1		095
1723		1981	10	27.97917	03	57	25.65	+04	39	21.4		095
1603		1981	10	27.97917	03	59	24.06	+06	53	30.5		095
1665		1981	10	27.97917	03	59	41.54	+06	20	41.8		095
1981	UB20*	1981	10	27.97917	04	00	59.34	-01	47	38.4	15.5	1 095
2507		1981	10	27.97917	04	02	08.15	+05	50	28.3		095
218		1981	10	27.97917	04	02	47.94	+01	09	22.2		095
1981	UC20*	1981	10	27.97917	04	02	52.25	+04	18	39.3		095
1981	WG1	1981	10	27.97917	04	06	11.18	+06	01	01.9	16.5	095
2020		1981	10	27.97917	04	06	43.24	+04	35	34.2		095
2904		1981	10	27.97917	04	06	45.01	+07	14	25.2		095
1211		1981	10	27.97917	04	19	22.67	+02	34	17.3		095
1981	UD20*	1981	10	27.97917	04	21	45.20	+06	58	15.5	17.0	1 095
745		1981	10	27.97917	04	21	59.47	+03	33	00.0		095
1981	UE20*	1981	10	27.97917	04	22	36.13	+00	29	48.0	17.0	1 095
1268		1981	10	28.04999	04	26	22.43	+27	06	08.8		095
1981	UN12	1981	10	28.04999	04	27	43.65	+26	00	36.4	16.8	095
1981	UF20*	1981	10	28.04999	04	29	44.26	+31	00	12.8	16.0	095
2307		1981	10	28.04999	04	31	08.02	+24	07	42.3	16.8	095
698		1981	10	28.04999	04	31	50.81	+27	00	03.1		095
3144		1981	10	28.04999	04	32	37.07	+24	38	03.0	17.0	095
2145		1981	10	28.04999	04	35	25.43	+30	24	27.3		095
1981	XH2	1981	10	28.04999	04	37	38.69	+23	48	43.6	16.0	095
1981	UG20*	1981	10	28.04999	04	39	25.70	+31	16	05.6	16.5	1 095

1981	UH20*	1981	10	28.04999	04	39	30.76	+26	47	47.0	16.5	2	095
748		1981	10	28.04999	04	41	23.81	+23	28	22.3		1	095
2156		1981	10	28.04999	04	43	18.91	+28	26	15.2			095
1981	UJ20*	1981	10	28.04999	04	48	43.70	+30	25	30.7	16.5		095
152		1981	10	28.04999	04	55	42.96	+29	11	24.9			095
426		1981	10	28.79888	00	23	10.57	+31	52	14.7			095
1981	UV12	1981	10	28.79888	00	24	34.50	+27	41	16.7	17.0		095
1832		1981	10	28.79888	00	29	46.89	+27	34	57.4			095
733		1981	10	28.79888	00	30	56.44	+23	17	20.2			095
1981	UQ16	1981	10	28.86102	02	00	06.60	+09	10	26.2	17.5	1	095
806		1981	10	28.86102	02	02	30.24	+07	36	44.9		1	095
1981	UK20*	1981	10	28.86102	02	05	04.90	+03	49	11.5	18.0	1	095
1981	UB1	1981	10	28.86102	02	05	51.89	+10	59	53.4	16.5		095
1981	UD17	1981	10	28.86102	02	08	29.20	+07	46	44.2	17.0		095
1981	UG17	1981	10	28.86102	02	09	31.45	+11	57	04.6	17.5	1	095
1981	UH17	1981	10	28.86102	02	10	57.05	+06	06	05.9	17.5		095
1981	UZ9	1981	10	28.86102	02	11	22.31	+11	00	13.4	15.0		095
1981	UK11	1981	10	28.86102	02	11	24.30	+07	05	57.2	17.0		095
3112		1981	10	28.86102	02	11	24.77	+08	54	06.4			095
1540		1981	10	28.86102	02	11	36.09	+07	00	58.8			095
922		1981	10	28.86102	02	12	26.30	+11	05	08.1			095
1782		1981	10	28.86102	02	13	00.49	+11	24	42.2		1	095
1981	UL17	1981	10	28.86102	02	14	00.94	+06	41	55.6	17.0		095
1047		1981	10	28.86102	02	14	06.38	+04	18	22.3			095
2470		1981	10	28.86102	02	14	17.81	+09	57	39.7			095
1271		1981	10	28.86102	02	14	40.81	+02	23	29.3			095
1981	UM20*	1981	10	28.86102	02	16	06.22	+10	12	57.4	17.0		095
1981	UN17	1981	10	28.86102	02	16	18.30	+06	13	37.8	17.0		095
1981	VS	1981	10	28.86102	02	16	38.77	+10	49	07.1	15.0		095
1981	UN20*	1981	10	28.86102	02	18	58.98	+07	27	54.6	17.5	2	095
1981	UO11	1981	10	28.86102	02	19	29.55	+05	26	48.0	17.0		095
1981	UN11	1981	10	28.86102	02	19	47.11	+07	11	49.9	17.5		095
1981	UP11	1981	10	28.86102	02	20	48.30	+07	23	19.4	17.0		095
1981	UQ11	1981	10	28.86102	02	21	18.63	+09	09	16.0	17.0		095
1674		1981	10	28.86102	02	21	25.54	+10	19	10.7			095
1981	US11	1981	10	28.86102	02	24	31.27	+05	41	29.0	17.5		095
2500		1981	10	28.86102	02	24	38.72	+11	58	59.0		1	095
2311		1981	10	28.86102	02	25	43.02	+06	16	36.1			095
3124		1981	10	28.86102	02	26	43.01	+06	19	06.7			095
1981	UU11	1981	10	28.86102	02	27	13.74	+09	49	37.8	17.5		095
1977	RS6	1981	10	28.86102	02	27	46.04	+09	10	28.0	17.0		095
1981	UO20*	1981	10	28.86102	02	28	17.54	+10	54	54.5	17.5		095
1981	UW11	1981	10	28.86102	02	29	25.20	+09	11	41.0	17.0		095
1981	UV11	1981	10	28.86102	02	30	06.96	+03	54	04.0	17.5	1	095
1981	UX11	1981	10	28.86102	02	30	07.22	+04	04	16.2	17.5		095
2525		1981	10	28.86102	02	31	53.98	+11	19	35.0		1	095
866		1981	10	28.86102	02	33	00.23	+03	48	08.2		1	095
1981	WH	1981	10	28.86102	02	33	33.03	+05	08	45.8	16.5		095
383		1981	10	28.86102	02	33	38.21	+11	20	43.4		1	095
589		1981	10	28.86102	02	34	17.90	+04	19	48.4		1	095
3084		1981	10	28.86102	02	36	16.65	+10	58	20.4		1	095
1981	UP20*	1981	10	28.86102	02	37	02.58	+09	26	00.0	17.5	1	095
1981	UL10	1981	10	28.86102	02	37	20.05	+05	43	20.6	17.5	1	095
1981	TJ3	1981	10	28.86102	02	37	40.51	+10	31	46.9	17.0	1	095
2273		1981	10	28.92595	03	41	28.23	+19	24	44.1	17.0	1	095
1981	UZ6	1981	10	28.92595	03	42	44.76	+19	18	48.2	16.5	1	095
1981	UV15	1981	10	28.92595	03	48	07.06	+25	03	27.1	17.0		095
2813		1981	10	28.92595	03	49	39.63	+20	30	47.1			095
1375		1981	10	28.92595	03	50	16.27	+19	33	45.6			095

2582		1981	10	28.92595	03	51	23.62	+18	16	44.3		1	095
599		1981	10	28.92595	03	51	36.01	+23	03	51.2			095
1814		1981	10	28.92595	03	52	13.65	+24	14	03.1			095
1981	UW15	1981	10	28.92595	03	52	14.16	+23	50	07.6	17.0		095
1981	UR9	1981	10	28.92595	03	52	27.56	+27	18	08.0	17.0	1	095
1981	UR20*	1981	10	28.92595	03	57	01.36	+19	09	22.7	17.0		095
1894		1981	10	28.92595	03	57	02.24	+21	03	48.1			095
1981	UB10	1981	10	28.92595	03	57	28.74	+21	23	55.1	17.0		095
2051		1981	10	28.92595	03	57	33.94	+19	52	07.8			095
1981	UJ18	1981	10	28.92595	03	58	00.31	+20	27	00.5	17.0		095
1483		1981	10	28.92595	03	58	44.12	+18	11	45.9		1	095
2072		1981	10	28.92595	04	00	04.13	+24	10	15.3			095
333		1981	10	28.92595	04	00	51.84	+25	42	02.5			095
274		1981	10	28.92595	04	01	47.75	+17	28	24.3		1	095
1981	US20*	1981	10	28.92595	04	02	06.90	+24	00	27.8	17.0		095
2167		1981	10	28.92595	04	02	27.81	+23	50	26.9			095
2054		1981	10	28.92595	04	02	43.56	+25	38	28.3			095
1981	UT20*	1981	10	28.92595	04	03	40.28	+21	01	22.4	17.0		095
1984	SF1	1981	10	28.92595	04	04	14.08	+24	58	07.9	17.5		095
1977	RH7	1981	10	28.92595	04	05	17.04	+25	07	44.7			095
896		1981	10	28.92595	04	09	43.84	+25	19	03.8			095
1981	UY15	1981	10	28.92595	04	09	57.22	+24	10	39.7	16.0		095
1981	UN18	1981	10	28.92595	04	13	01.35	+23	37	12.9	17.0	2	095
1760		1981	10	28.92595	04	13	12.16	+20	21	02.8			095
1981	UU20*	1981	10	28.92595	04	14	03.21	+26	48	17.6	17.0	1	095
2069		1981	10	28.92595	04	17	39.00	+23	11	21.6		1	095
394		1981	11	02.80339	00	39	18.95	-03	52	22.6		1	095
761		1981	11	02.80339	00	41	42.60	+04	20	12.0		1	095
2533		1981	11	02.80339	00	44	34.39	+04	46	49.7		1	095
848		1981	11	02.80339	00	47	00.80	+05	12	21.7		1	095
76		1981	11	02.80339	00	47	25.61	+05	16	33.6		1	095
2557		1981	11	02.80339	00	48	48.17	+01	29	41.2			095
1981	SM1	1981	11	02.80339	00	49	21.06	+02	12	00.7			095
1812		1981	11	02.80339	00	49	30.11	-00	52	30.6			095
2162		1981	11	02.80339	00	49	42.63	-00	44	22.9			095
2553		1981	11	02.80339	00	50	41.44	-02	43	07.9			095
1030		1981	11	02.80339	00	52	15.57	+00	59	40.2			095
1981	SN1	1981	11	02.80339	00	56	37.21	+02	02	13.9	16.0		095
1981	VB3 *	1981	11	02.80339	00	58	57.72	+03	40	24.8	16.5		095
1791		1981	11	02.80339	00	59	10.23	+05	32	13.5		1	095
1981	VC3 *	1981	11	02.80339	00	59	23.05	+01	59	04.5	16.5		095
1615		1981	11	02.80339	01	02	57.56	+04	24	35.0		1	095
1425		1981	11	02.80339	01	06	49.26	+00	26	19.5			095
416		1981	11	02.80339	01	09	23.39	-04	23	02.0		1	095
339		1981	11	02.80339	01	13	27.09	-00	40	13.0		1	095
1523		1981	11	19.79369	01	21	48.67	+17	09	53.3		1	095
428		1981	11	19.79369	01	23	21.22	+13	52	49.4		1	095
2184		1981	11	19.79369	01	23	59.19	+14	14	07.7		1	095
139		1981	11	19.79369	01	33	16.49	+19	37	54.9			095
1981	WO4 *	1981	11	19.79369	01	38	39.53	+20	14	24.2	17.0	1	095
1981	WP4 *	1981	11	19.79369	01	39	37.56	+17	22	55.6	16.5		095
1981	WQ4 *	1981	11	19.79369	01	42	24.10	+12	56	02.0	16.5		095
789		1981	11	19.79369	01	49	02.25	+15	05	31.8			095
1068		1981	11	19.79369	01	49	35.60	+19	28	44.2		1	095
1981	SS5	1981	11	19.79369	01	49	56.34	+18	45	56.2	16.5		095
1981	UZ9	1981	11	19.79369	01	50	41.53	+12	30	28.9	16.5		095
2487		1981	11	19.79369	01	51	10.64	+16	13	46.0			095
1007		1981	11	19.79369	01	51	37.94	+15	52	42.1			095
1981	WR4 *	1981	11	19.79369	01	54	25.98	+19	28	48.8	17.0	1	095

1981	WS4	*	1981	11	19.79369	01	56	32.77	+12	31	05.8	17.0	1	095
800			1981	11	19.79369	01	57	34.42	+20	04	08.3			1 095
718			1981	11	19.79369	01	58	28.30	+12	04	44.0			1 095
1157			1981	11	24.77119	01	16	57.38	+20	15	10.4			1 095
428			1981	11	24.77119	01	21	43.55	+13	57	54.8			1 095
2522			1981	11	24.77119	01	23	54.64	+19	38	45.0			1 095
1981	WT4	*	1981	11	24.77119	01	24	17.83	+19	43	51.4	17.5	3	095
1476			1981	11	24.77119	01	29	59.56	+20	30	22.0			095
139			1981	11	24.77119	01	30	04.72	+19	22	11.3			095
1121			1981	11	24.77119	01	32	03.46	+17	38	53.8			095
1981	WO4		1981	11	24.77119	01	36	20.32	+20	17	08.5	16.5		095
1981	WP4		1981	11	24.77119	01	37	09.64	+17	17	25.2	16.5		095
1981	WU4	*	1981	11	24.77119	01	39	34.59	+17	11	17.8	17.5		095
1981	WV4	*	1981	11	24.77119	01	40	29.82	+19	36	38.8	17.0		095
1981	WW4	*	1981	11	24.77119	01	41	20.15	+18	23	08.9	17.5		095
1981	WX4	*	1981	11	24.77119	01	42	23.52	+16	00	11.4	17.5		095
1981	WY4	*	1981	11	24.77119	01	43	21.56	+22	55	29.0	17.5	1	095
1981	WZ4	*	1981	11	24.77119	01	44	18.17	+16	55	38.3	17.5		095
3017			1981	11	24.77119	01	44	27.10	+22	05	54.4			095
2523			1981	11	24.77119	01	45	01.03	+22	35	43.8		1	095
789			1981	11	24.77119	01	46	26.76	+14	30	31.9		1	095
1068			1981	11	24.77119	01	46	38.21	+19	06	24.6			095
1981	SS5		1981	11	24.77119	01	46	45.02	+18	17	55.7	16.0		095
1981	WA5	*	1981	11	24.77119	01	48	41.30	+17	37	15.6	17.5		095
2487			1981	11	24.77119	01	48	52.56	+15	59	40.0			095
1981	WB5	*	1981	11	24.77119	01	48	55.46	+19	41	15.5	17.5		095
1007			1981	11	24.77119	01	48	59.73	+15	32	16.3			095
133			1981	11	24.77119	01	51	09.84	+21	50	40.6			095
1981	WC5	*	1981	11	24.77119	01	53	19.72	+21	32	11.2	17.5		095
800			1981	11	24.77119	01	54	19.65	+19	36	38.4		1	095
1981	WD5	*	1981	11	24.77119	01	56	41.88	+20	43	21.3	17.5	1	095
3260			1981	11	24.77119	01	57	42.01	+15	48	29.0		1	095
1506			1981	11	24.77119	02	00	03.68	+16	08	13.1		1	095
1960			1981	11	24.77119	02	00	21.39	+17	26	00.4		1	095
1068			1981	11	24.83610	01	46	35.92	+19	06	08.7		1	095
1981	SS5		1981	11	24.83610	01	46	42.62	+18	17	35.8	16.0	1	095
1981	WA5		1981	11	24.83610	01	48	38.94	+17	37	12.9	17.5	1	095
2487			1981	11	24.83610	01	48	50.69	+15	59	30.4		1	095
1981	WB5		1981	11	24.83610	01	48	53.50	+19	40	48.8	17.5	3	095
1007			1981	11	24.83610	01	48	57.75	+15	32	01.5		1	095
1981	WC5		1981	11	24.83610	01	53	17.60	+21	31	42.2	17.0		095
800			1981	11	24.83610	01	54	17.07	+19	36	17.4			095
1981	WD5		1981	11	24.83610	01	56	39.46	+20	43	04.1	17.5		095
3260			1981	11	24.83610	01	57	39.25	+15	48	01.8		1	095
1981	WE5	*	1981	11	24.83610	01	57	57.70	+22	53	26.2	18.0		095
1981	WF5	*	1981	11	24.83610	01	59	43.16	+21	34	45.6	17.5		095
1506			1981	11	24.83610	02	00	01.26	+16	07	42.2			095
1960			1981	11	24.83610	02	00	18.40	+17	25	51.8			095
1836			1981	11	24.83610	02	01	34.83	+20	29	57.1			095
1948			1981	11	24.83610	02	01	53.85	+15	27	32.4		1	095
1981	WO		1981	11	24.83610	02	02	48.31	+18	43	36.4	17.0		095
1981	WG5	*	1981	11	24.83610	02	02	54.83	+16	29	12.2	17.5		095
1981	WH5	*	1981	11	24.83610	02	03	28.11	+22	01	58.5	17.5		095
1981	WJ5	*	1981	11	24.83610	02	04	01.06	+20	14	06.8	18.0		095
1981	WK5	*	1981	11	24.83610	02	04	19.29	+17	34	18.5	17.0		095
1981	WL5	*	1981	11	24.83610	02	04	52.73	+23	46	41.5	17.0	1	095
1981	WM5	*	1981	11	24.83610	02	05	01.78	+20	13	05.8	17.5		095
1981	WN5	*	1981	11	24.83610	02	05	02.68	+19	29	58.5	17.0		095
2130			1981	11	24.83610	02	05	36.54	+21	34	38.0			095

1981 VF	1981 11 24.83610	02 05 41.75	+15 32 07.1	17.0	1 095
643	1981 11 24.83610	02 06 44.87	+22 33 07.6		095
1981 WO5 *	1981 11 24.83610	02 07 11.40	+22 43 07.2	18.0	095
1981 WP5 *	1981 11 24.83610	02 09 06.86	+18 17 38.9	17.0	095
1981 WQ5 *	1981 11 24.83610	02 09 12.15	+23 13 53.4	17.5	1 095
1981 WR5 *	1981 11 24.83610	02 09 54.22	+16 28 48.9	18.0	095
271	1981 11 24.83610	02 11 11.66	+18 36 46.2		095
1981 VN	1981 11 24.83610	02 11 27.42	+16 54 29.6	17.0	095
1981 WP	1981 11 24.83610	02 12 08.84	+19 10 38.8	17.0	095
1981 WS5 *	1981 11 24.83610	02 12 53.16	+21 22 34.5	17.0	095
1981 SW7	1981 11 24.83610	02 13 12.45	+21 27 36.4	17.0	095
1981 VL	1981 11 24.83610	02 13 39.73	+16 40 13.4	17.5	095
1981 SZ7	1981 11 24.83610	02 14 23.66	+19 41 00.1	16.0	095
1981 WT5 *	1981 11 24.83610	02 14 50.69	+16 17 28.8	17.5	095
1981 WU5 *	1981 11 24.83610	02 14 56.27	+18 48 12.0	18.0	095
1559	1981 11 24.83610	02 16 05.00	+18 49 43.4		095
1981 WV5 *	1981 11 24.83610	02 16 29.14	+15 55 22.8	17.5	1 095
2501	1981 11 24.83610	02 17 27.62	+16 43 08.7		095
2908	1981 11 24.83610	02 18 19.61	+16 20 32.7		095
3024	1981 11 24.83610	02 18 51.25	+21 06 48.0		095
1981 SX7	1981 11 24.83610	02 19 17.39	+17 29 44.0	17.0	095
2607	1981 11 24.83610	02 19 20.39	+16 57 22.0		095
1981 WM4	1981 11 24.83610	02 20 10.23	+21 43 10.2	16.5	095
3053	1981 11 24.83610	02 20 33.26	+19 41 43.0	16.5	095
1981 WW5 *	1981 11 24.83610	02 21 18.94	+17 43 07.0	18.0	095
1981 WX5 *	1981 11 24.83610	02 21 53.98	+22 54 04.1	16.5	095
3034	1981 11 24.83610	02 22 17.20	+19 57 52.8	16.0	095
640	1981 11 24.83610	02 22 46.86	+17 22 39.4		095
1981 WY5 *	1981 11 24.83610	02 24 13.50	+20 38 54.4	18.0	1 095
1981 WZ5 *	1981 11 24.83610	02 25 39.03	+22 35 11.7	18.0	1 095
556	1981 11 24.83610	02 25 43.27	+22 11 01.5		1 095
2437	1981 11 24.90590	02 32 23.73	+13 38 59.6		1 095
1911	1981 11 24.90590	02 32 44.07	+17 00 37.8		1 095
242	1981 11 24.90590	02 33 51.61	+08 52 51.9		1 095
1981 WA6 *	1981 11 24.90590	02 35 57.12	+17 48 46.1	17.5	1 095
2540	1981 11 24.90590	02 36 55.32	+13 32 29.4		095
2541	1981 11 24.90590	02 37 08.09	+12 53 39.1		095
836	1981 11 24.90590	02 37 38.00	+09 46 52.3		1 095
743	1981 11 24.90590	02 40 09.42	+15 29 34.2		095
1981 WB6 *	1981 11 24.90590	02 42 34.07	+10 23 40.7	17.5	095
1981 WC6 *	1981 11 24.90590	02 44 45.90	+09 13 01.3	17.0	1 095
1977 QG4	1981 11 24.90590	02 45 34.64	+10 38 30.5	17.0	095
1039	1981 11 24.90590	02 45 49.05	+14 57 29.0		095
1981 WU2	1981 11 24.90590	02 46 56.73	+13 28 38.9	17.5	095
1981 WD6 *	1981 11 24.90590	02 47 49.70	+10 56 24.1	17.5	2 095
1981 UA2	1981 11 24.90590	02 49 29.27	+18 06 39.1	17.5	1 095
1981 WE6 *	1981 11 24.90590	02 50 10.50	+10 43 38.0	16.5	095
1981 WF6 *	1981 11 24.90590	02 50 14.17	+16 29 36.1	17.5	095
1981 WO3	1981 11 24.90590	02 51 28.86	+10 49 02.4	17.5	095
1981 UD2	1981 11 24.90590	02 51 52.72	+15 22 21.7	17.0	095
1981 WH6 *	1981 11 24.90590	02 52 36.28	+11 23 42.8	17.5	095
1981 WJ6 *	1981 11 24.90590	02 54 39.88	+13 59 26.0	17.5	095
1981 WW3	1981 11 24.90590	02 54 53.41	+11 01 03.5	16.5	095
1981 WK6 *	1981 11 24.90590	02 55 36.78	+15 39 11.6	16.0	095
1154	1981 11 24.90590	02 55 53.21	+13 11 54.7		095
1981 WL6 *	1981 11 24.90590	02 57 53.35	+15 53 53.3	17.0	095
1981 WM6 *	1981 11 24.90590	02 58 46.51	+10 05 27.9	17.5	095
2832	1981 11 24.90590	02 58 47.37	+10 21 01.5		1 095
205	1981 11 24.90590	02 59 28.69	+11 02 26.0		095

243		1981	11	24.90590	03	00	04.82	+18	53	24.2		1	095
1327		1981	11	24.90590	03	00	09.46	+16	13	17.2			095
1981	WN6 *	1981	11	24.90590	03	01	40.58	+09	08	22.8	17.0	1	095
1981	WO6 *	1981	11	24.90590	03	03	24.38	+18	03	54.4	16.5	1	095
1981	WP6 *	1981	11	24.90590	03	03	59.40	+15	12	36.8	17.5		095
1981	WQ6 *	1981	11	24.90590	03	05	30.12	+12	19	47.8	17.5		095
1981	WR6 *	1981	11	24.90590	03	10	28.17	+16	40	30.0	16.5	1	095
346		1981	11	24.98124	05	06	20.26	+17	58	18.8		1	095
726		1981	11	24.98124	05	10	42.64	+18	36	11.4		1	095
1939		1981	11	24.98124	05	12	34.25	+23	42	20.4		1	095
2104		1981	11	24.98124	05	13	25.57	+22	11	31.6			095
196		1981	11	24.98124	05	13	42.68	+23	20	38.0			095
1981	WS6 *	1981	11	24.98124	05	15	23.25	+24	02	02.5	17.5		095
2407		1981	11	24.98124	05	17	16.44	+26	56	17.7		1	095
1981	WT6 *	1981	11	24.98124	05	18	01.85	+23	11	23.7	17.5		095
2404		1981	11	24.98124	05	20	25.18	+21	01	39.7			095
2195		1981	11	24.98124	05	20	56.20	+18	56	09.5		1	095
1981	WU6 *	1981	11	24.98124	05	22	21.04	+23	32	45.8	17.0	2	095
1981	YP1	1981	11	24.98124	05	22	25.24	+23	42	22.6	17.5		095
1673		1981	11	24.98124	05	22	52.62	+19	06	33.1		1	095
378		1981	11	24.98124	05	24	12.50	+19	00	55.4		1	095
3130		1981	11	24.98124	05	24	28.13	+18	55	23.3		1	095
1981	WV6 *	1981	11	24.98124	05	25	14.88	+25	08	38.0	17.5	2	095
1981	WW6 *	1981	11	24.98124	05	25	26.20	+19	26	31.8	17.0	1	095
2067		1981	11	24.98124	05	25	43.45	+19	02	16.9		1	095
1981	WX6 *	1981	11	24.98124	05	27	51.60	+23	52	51.6	17.0		095
1981	WY6 *	1981	11	24.98124	05	29	17.65	+22	24	51.3	17.0		095
1981	WZ6 *	1981	11	24.98124	05	30	02.84	+24	08	13.7	17.0		095
1981	XJ2	1981	11	24.98124	05	30	06.60	+25	25	27.6	16.5		095
465		1981	11	24.98124	05	31	05.30	+27	31	46.8		1	095
1686		1981	11	24.98124	05	34	11.30	+24	07	28.4			095
1981	YU1	1981	11	24.98124	05	35	36.73	+25	01	42.3	17.0		095
3095		1981	11	24.98124	05	35	54.47	+25	48	41.4			095
939		1981	11	24.98124	05	37	58.79	+27	33	00.7		1	095
471		1981	11	24.98124	05	42	10.21	+19	47	00.7		1	095
1981	WA7 *	1981	11	24.98124	05	45	53.72	+19	25	31.2	17.0	3	095
515		1981	11	25.03818	05	56	42.18	+21	20	30.4		1	095
2405		1981	11	25.03818	06	01	19.36	+21	04	32.7		1	095
1815		1981	11	25.03818	06	03	50.21	+21	19	26.0		1	095
2614		1981	11	25.03818	06	05	08.10	+18	35	30.5			095
2280		1981	11	25.03818	06	06	13.24	+20	19	41.4			095
8		1981	11	25.03818	06	13	18.10	+17	20	45.0			095
1981	YR	1981	11	25.03818	06	14	29.52	+23	09	34.0	17.5		095
1209		1981	11	25.03818	06	16	00.35	+22	44	36.8			095
3089		1981	11	25.03818	06	16	35.10	+22	15	55.5			095
996		1981	11	25.03818	06	17	13.35	+24	21	04.1		1	095
1981	YS	1981	11	25.03818	06	18	12.15	+23	46	11.4			095
432		1981	11	25.03818	06	18	26.79	+21	41	17.2			095
1971	UG1	1981	11	25.03818	06	18	37.68	+20	25	49.0	17.5		095
1558		1981	11	25.03818	06	30	50.85	+17	17	43.8			095
1464		1981	11	25.03818	06	33	09.11	+23	07	30.7			095
368		1981	11	25.03818	06	34	37.83	+16	19	23.1		1	095
1001		1981	11	25.03818	06	38	16.63	+21	23	32.0		1	095
697		1981	11	25.73253	00	30	42.54	+08	47	36.0		1	095
1981	WB7 *	1981	11	25.73253	00	32	22.04	+10	51	40.6		1	095
1981	WC7 *	1981	11	25.73253	00	38	15.32	+06	32	59.6	17.0		095
76		1981	11	25.73253	00	39	47.57	+04	14	46.0			095
1981	WD7 *	1981	11	25.73253	00	43	13.04	+05	22	28.6	16.5		095
2590		1981	11	25.73253	00	44	05.66	+06	26	17.9			095

1495		1981	11	25.73253	00	44	18.17	+10	34	39.5		1	095
1981	WE7 *	1981	11	25.73253	00	49	02.19	+01	50	48.4	15.5	1	095
429		1981	11	25.73253	00	49	04.61	+07	07	18.5			095
1791		1981	11	25.73253	00	50	49.94	+04	07	36.0			095
1981	WF7 *	1981	11	25.73253	00	55	57.32	+05	05	30.6	16.5		095
1981	WG7 *	1981	11	25.73253	00	56	07.44	+05	13	45.3	17.0	2	095
178		1981	11	25.73253	00	57	14.76	+05	09	22.6			095
149		1981	11	25.73253	00	57	17.34	+04	43	15.7			095
642		1981	11	25.73253	00	58	38.86	+11	03	43.5		1	095
1354		1981	11	25.73253	00	59	18.21	+06	25	34.0			095
1981	WH7 *	1981	11	25.73253	01	03	42.03	+11	04	45.9	16.5	1	095
1976	YP1	1981	11	25.73253	01	06	07.47	+08	03	05.0			1 095
1981	WJ7 *	1981	11	25.73253	01	06	22.10	+06	00	18.4	16.5	1	095
1721		1981	11	25.80405	02	07	48.87	+37	45	30.0			1 095
1981	WK7 *	1981	11	25.80405	02	12	39.27	+37	06	13.2	17.0		095
1981	WZ3	1981	11	25.80405	02	24	32.13	+33	36	04.8	16.0		095
1981	WL7 *	1981	11	25.80405	02	29	59.93	+31	44	36.4	17.0		095
1571		1981	11	25.80405	02	30	07.20	+35	12	53.5			095
949		1981	11	25.80405	02	30	16.17	+30	09	59.5		1	095
1981	WM7 *	1981	11	25.80405	02	41	06.91	+32	36	36.6	17.0		095
1981	WN7 *	1981	11	25.80405	02	41	35.51	+38	50	10.9	17.5	1	095
1313		1981	11	25.80405	02	42	46.54	+37	06	30.3			095
1981	WO7 *	1981	11	25.80405	02	43	06.07	+36	27	37.8	17.0		095
762		1981	11	25.80405	02	46	32.41	+35	07	30.6		1	095
1981	WP7 *	1981	11	25.80405	02	47	50.10	+32	51	05.4	17.0	1	095
648		1981	11	25.80405	02	48	50.36	+30	08	09.0			1 095
3524	P-L	1981	11	25.80405	02	50	38.92	+38	00	40.2	17.5	1	095
1981	WQ7 *	1981	11	25.80405	02	51	13.20	+32	15	55.3	17.0	1	095
2896		1981	11	25.87626	04	07	46.49	+11	15	32.7			1 095
1981	WR7 *	1981	11	25.87626	04	10	36.44	+08	54	00.5	16.5	1	095
1981	WS7 *	1981	11	25.87626	04	14	41.73	+07	42	17.0	17.0		095
1981	WT7 *	1981	11	25.87626	04	16	28.64	+14	14	57.8	17.0	1	095
1981	WU7 *	1981	11	25.87626	04	16	29.96	+11	16	21.0	17.0		095
1981	WV7 *	1981	11	25.87626	04	21	18.45	+14	30	48.8	16.5	1	095
1981	WW7 *	1981	11	25.87626	04	21	41.61	+11	54	40.0	16.5		095
2283		1981	11	25.87626	04	24	34.10	+12	45	27.3			095
1981	WX7 *	1981	11	25.87626	04	25	41.06	+05	29	03.4	16.0	1	095
1981	WY7 *	1981	11	25.87626	04	25	54.14	+14	32	59.6	17.5	1	095
1981	WZ7 *	1981	11	25.87626	04	27	11.66	+13	19	03.4	17.0		095
1981	XB2	1981	11	25.87626	04	27	23.50	+10	07	55.3	17.0		095
1981	WA8 *	1981	11	25.87626	04	28	05.23	+14	20	46.5	16.5	1	095
1981	XC2	1981	11	25.87626	04	29	23.93	+08	25	47.7	16.5		095
1981	WB8 *	1981	11	25.87626	04	31	30.61	+12	20	17.8	17.0		095
2147		1981	11	25.87626	04	32	05.67	+07	05	48.1			095
1981	WC8 *	1981	11	25.87626	04	32	07.87	+12	13	02.7	17.0		095
470		1981	11	25.87626	04	34	17.48	+10	43	13.0			095
1981	WD8 *	1981	11	25.87626	04	41	07.30	+11	01	36.7	17.5	1	095
1564		1981	11	25.87626	04	43	20.56	+05	15	11.6			1 095
943		1981	11	25.87626	04	44	19.52	+08	14	27.6			1 095
2111		1981	11	25.87626	04	46	06.57	+06	17	30.5			1 095
1981	WE8 *	1981	11	25.94501	04	14	31.40	+16	35	26.6	16.5	1	095
1981	WF8 *	1981	11	25.94501	04	15	19.50	+21	34	12.9	17.5	1	095
1981	XH2	1981	11	25.94501	04	16	55.32	+21	06	12.9	15.5	1	095
1981	WG8 *	1981	11	25.94501	04	18	03.44	+15	37	18.3	17.5	1	095
1133		1981	11	25.94501	04	18	25.67	+22	45	44.6			1 095
235		1981	11	25.94501	04	18	47.70	+21	17	27.5			1 095
1981	WH8 *	1981	11	25.94501	04	19	20.98	+16	58	28.7	17.0	1	095
1981	WJ8 *	1981	11	25.94501	04	19	23.52	+21	02	53.7	17.5	1	095
1981	WK8 *	1981	11	25.94501	04	19	53.16	+19	12	29.7	17.5	1	095

1981	WL8	*	1981	11	25.94501	04	22	50.26	+15	32	43.4	16.5	095
748			1981	11	25.94501	04	23	56.80	+22	40	36.4		1 095
1981	WM8	*	1981	11	25.94501	04	25	23.80	+19	05	38.8	17.0	095
1981	WN8	*	1981	11	25.94501	04	25	34.18	+16	07	18.4	17.5	095
22			1981	11	25.94501	04	26	54.57	+21	54	59.6		095
1981	WO8	*	1981	11	25.94501	04	27	29.53	+20	21	02.8	17.5	095
1981	WP8	*	1981	11	25.94501	04	28	00.72	+14	20	27.4	17.0	1 095
1981	WQ8	*	1981	11	25.94501	04	30	43.33	+18	41	23.8	17.5	095
1981	WR8	*	1981	11	25.94501	04	32	05.55	+15	22	29.2	17.5	095
1956			1981	11	25.94501	04	32	52.05	+19	46	14.8		095
1981	WS8	*	1981	11	25.94501	04	33	24.26	+18	26	55.4	17.0	095
1981	WT8	*	1981	11	25.94501	04	33	29.72	+21	58	04.9	17.5	1 095
2188			1981	11	25.94501	04	34	03.45	+18	05	34.7		095
1981	WU8	*	1981	11	25.94501	04	34	35.98	+16	05	17.8	16.5	095
1397			1981	11	25.94501	04	34	45.82	+21	10	38.8		095
1981	WV8	*	1981	11	25.94501	04	36	49.30	+16	13	53.8	17.0	095
171			1981	11	25.94501	04	36	59.20	+20	04	03.4		095
2271			1981	11	25.94501	04	38	01.35	+17	14	08.0		095
1981	WW8	*	1981	11	25.94501	04	38	59.96	+20	56	06.0	17.0	095
1462			1981	11	25.94501	04	39	04.91	+23	06	16.1		1 095
1981	WX8	*	1981	11	25.94501	04	39	07.17	+15	36	34.5	17.5	095
1981	WY8	*	1981	11	25.94501	04	41	03.59	+15	55	52.5	17.5	2 095
1981	WZ8	*	1981	11	25.94501	04	42	04.01	+22	11	27.1	17.5	1 095
1981	WA9	*	1981	11	25.94501	04	42	38.23	+17	43	59.8	17.0	095
1981	YX1		1981	11	25.94501	04	42	41.80	+19	42	36.0	16.5	095
456			1981	11	25.94501	04	46	20.61	+15	00	27.9		095
460			1981	11	25.94501	04	47	50.15	+17	10	18.5		095
1058			1981	11	25.94501	04	49	47.77	+19	27	43.9		1 095
449			1981	11	25.94501	04	50	44.45	+20	58	40.7		1 095
1981	WB9	*	1981	11	25.94501	04	51	55.58	+21	11	38.8	17.5	1 095
1981	WC9	*	1981	11	25.94501	04	52	30.46	+19	53	46.6	17.0	3 095
1981	WD9	*	1981	11	25.94501	04	52	52.07	+16	08	56.8	17.0	1 095
1965			1981	11	25.94501	04	54	37.95	+21	23	16.3		1 095
1815			1981	12	23.92466	05	40	34.82	+21	38	57.2		1 095
8			1981	12	23.92466	05	43	51.93	+19	02	22.4		095
432			1981	12	23.92466	05	48	40.38	+23	34	33.4		095
996			1981	12	23.92466	05	53	47.86	+24	26	29.0		095
1558			1981	12	23.92466	06	09	22.60	+18	27	08.5		1 095
389			1981	12	23.92466	06	11	22.14	+25	39	57.0		095
1001			1981	12	23.92466	06	15	59.82	+20	00	48.8		1 095
347			1981	12	23.92466	06	18	27.18	+26	02	59.6		1 095
2842			1981	12	23.98925	07	12	36.96	+32	09	31.6	16.0	1 095
1396			1981	12	23.98925	07	15	43.93	+29	21	27.5		095
925			1981	12	23.98925	07	16	11.92	+33	49	38.6		1 095
2302			1981	12	23.98925	07	17	18.64	+31	15	47.6	16.5	095
1463			1981	12	23.98925	07	22	56.32	+30	41	02.1		095
1817			1981	12	23.98925	07	26	23.21	+32	20	53.5		095
905			1981	12	23.98925	07	31	18.19	+30	39	24.9		095
131			1981	12	23.98925	07	36	34.04	+26	38	14.6		095
1981	YE2	*	1981	12	23.98925	07	37	42.61	+31	55	28.8	16.5	095
382			1981	12	23.98925	07	40	46.42	+26	09	05.4		1 095
1517			1981	12	23.98925	07	44	07.85	+26	40	47.0		1 095
980			1981	12	24.05801	08	06	45.30	+18	08	48.0		1 095
1417			1981	12	24.05801	08	08	12.55	+23	15	45.8		095
1981	YF2	*	1981	12	24.05801	08	12	02.25	+20	13	25.8		095
841			1981	12	24.05801	08	13	23.28	+26	18	12.0		095
1981	YG2	*	1981	12	24.05801	08	13	49.62	+23	15	06.0	16.0	095
26			1981	12	24.05801	08	13	52.83	+24	47	03.9		095
1598			1981	12	24.05801	08	14	54.92	+21	34	20.8		095

551		1981	12	24.05801	08	15	47.74	+20	23	53.9		095
1290		1981	12	24.05801	08	18	23.11	+22	36	49.1		095
1981	YH2 *	1981	12	24.05801	08	19	38.63	+24	11	38.0	16.0	095
1982	BM	1981	12	24.05801	08	20	16.60	+21	12	43.0	17.0	095
1363		1981	12	24.05801	08	20	22.16	+17	59	18.9		1 095
1356		1981	12	24.05801	08	21	32.79	+27	14	16.8		1 095
1285		1981	12	24.05801	08	22	18.97	+23	00	42.6		095
1981	YJ2 *	1981	12	24.05801	08	26	57.14	+24	46	06.9	16.5	095
1981	YK2 *	1981	12	24.05801	08	27	30.60	+18	39	16.3	16.5	1 095
707		1981	12	24.05801	08	28	39.65	+17	52	55.8	16.5	1 095
825		1981	12	24.05801	08	28	48.60	+20	02	47.8		095
1981	YL2 *	1981	12	24.05801	08	29	20.43	+21	00	14.0	16.5	095
1233		1981	12	24.05801	08	30	01.77	+18	36	08.1		1 095
1981	YM2 *	1981	12	24.05801	08	31	48.04	+25	01	30.4	16.5	095
364		1981	12	24.05801	08	32	10.69	+19	42	35.6		095
33		1981	12	24.05801	08	32	51.12	+21	21	31.3		095
10		1981	12	24.05801	08	33	39.48	+17	31	13.4		1 095
355		1981	12	24.05801	08	35	39.64	+24	55	59.5		095
1981	YN2 *	1981	12	24.05801	08	36	41.53	+23	37	18.4	16.5	1 095
1983	ED1 *	1983	03	14.86740	10	25	28.59	+00	44	14.5	17.0	2 095
1983	EE1 *	1983	03	14.86740	10	26	18.30	-03	03	38.5	16.0	095
860		1983	03	14.86740	10	28	02.84	-02	28	20.8		095
1612		1983	03	14.86740	10	28	25.43	-02	15	53.4		095
242		1983	03	14.86740	10	34	38.46	-03	57	38.6		095
1983	EF1 *	1983	03	14.86740	10	38	35.96	-02	13	33.2	17.0	095
2576		1983	03	14.86740	10	38	48.25	-01	52	23.9		095
884		1983	03	14.86740	10	39	41.50	+00	28	12.8		095
1983	EG1 *	1983	03	14.86740	10	40	37.86	+02	01	03.8	17.0	095
1189		1983	03	14.86740	10	41	50.71	-06	17	06.4		1 095
1983	EH1 *	1983	03	14.86740	10	41	53.90	+00	06	12.0	17.0	2 095
1983	EJ1 *	1983	03	14.86740	10	42	53.66	-01	41	13.9	17.0	2 095
1983	EK1 *	1983	03	14.86740	10	45	54.50	-01	57	45.0	16.5	095
2865		1983	03	14.86740	10	47	52.92	-03	55	22.8		095
1983	EL1 *	1983	03	14.86740	10	50	18.18	-00	45	25.2	16.5	095
1984	HA1	1983	03	14.86740	10	52	01.44	-00	33	42.0		095
1564		1983	03	14.86740	10	52	23.70	+03	32	18.5		1 095
1983	CX2	1983	03	14.86740	10	55	55.25	+03	01	30.8		1 095
460		1983	03	14.86740	10	55	59.92	+02	13	50.4		1 095
1983	CZ2	1983	03	14.86740	10	56	25.32	-00	12	30.8		1 095
1984	JM1 *	1984	05	05.87368	13	53	20.24	-17	07	15.2	15.5	1 095
1984	JM1	1984	05	18.87127	13	41	43.60	-17	17	53.0	15.5	095
1984	JM1	1984	05	20.86956	13	40	11.63	-17	19	38.3	15.5	095
1984	UY3 *	1984	10	20.82294	23	45	15.16	+12	37	31.9	17.5	095
1984	UZ3 *	1984	10	20.82294	23	46	39.35	+13	34	59.7	18.0	095
3142		1984	10	20.82294	23	49	42.57	+17	46	06.2		1 095
1970		1984	10	20.82294	23	51	19.53	+08	25	21.6		1 095
1984	UA4 *	1984	10	20.82294	23	51	26.60	+12	26	48.8	17.0	095
1984	UB4 *	1984	10	20.82294	23	51	29.50	+17	20	46.6	17.5	1 095
3159		1984	10	20.82294	23	53	50.38	+12	16	11.2		095
1984	UC4 *	1984	10	20.82294	23	54	51.31	+10	42	34.3	17.5	095
2141		1984	10	20.82294	23	54	54.10	+09	35	28.8		095
1984	UD4 *	1984	10	20.82294	23	55	50.31	+11	27	26.1	17.0	095
1984	UE4 *	1984	10	20.82294	23	59	51.69	+18	02	28.1	17.5	1 095
1233		1984	10	20.82294	00	00	04.31	+09	29	03.8		095
78		1984	10	20.82294	00	01	26.69	+09	19	16.8		1 095
624		1984	10	20.82294	00	01	55.96	+11	31	30.6		095
896		1984	10	20.82294	00	02	33.54	+12	56	38.3		095
1977	NN	1984	10	20.82294	00	03	37.71	+08	55	11.8	17.0	1 095
1984	SA	1984	10	20.82294	00	07	48.62	+11	46	31.6	17.0	095

1984	SL5	1984	10	20.82294	00	10	23.76	+11	26	33.0	17.0	095
1639		1984	10	20.82294	00	14	16.37	+14	07	10.0		1 095
1984	UF4 *	1984	10	20.82294	00	17	12.36	+11	47	36.7	17.0	1 095
1984	UG4 *	1984	10	20.82294	00	17	20.41	+16	11	23.4	17.5	1 095
834		1984	10	20.89933	02	18	16.79	+10	51	37.7		1 095
1984	UX1	1984	10	20.89933	02	21	06.75	+11	47	08.5	17.0	1 095
1984	UH4 *	1984	10	20.89933	02	21	32.13	+04	29	33.2	17.0	1 095
853		1984	10	20.89933	02	22	04.62	+06	10	52.7		1 095
2633		1984	10	20.89933	02	23	55.05	+11	09	31.7		1 095
1984	UJ4 *	1984	10	20.89933	02	24	01.91	+10	24	51.8	17.0	1 095
1567		1984	10	20.89933	02	28	39.39	+06	57	39.2		095
1984	UK4 *	1984	10	20.89933	02	28	56.56	+10	37	47.2	17.5	095
1984	UL4 *	1984	10	20.89933	02	29	53.59	+09	38	59.6	17.0	095
1984	UM4 *	1984	10	20.89933	02	30	42.58	+10	38	44.7	16.5	095
1984	UN4 *	1984	10	20.89933	02	30	57.91	+07	54	48.4	17.0	095
1984	UO4 *	1984	10	20.89933	02	31	06.07	+05	22	18.3	17.0	095
48		1984	10	20.89933	02	31	16.13	+09	31	20.4		095
1984	UP4 *	1984	10	20.89933	02	34	47.63	+12	12	08.1	17.5	1 095
1984	UQ4 *	1984	10	20.89933	02	35	20.61	+11	45	39.4	17.0	095
1984	UR4 *	1984	10	20.89933	02	35	24.17	+10	50	11.7	17.0	095
1984	US4 *	1984	10	20.89933	02	38	20.66	+10	18	40.8	17.0	095
253		1984	10	20.89933	02	38	51.00	+08	10	20.7		095
1984	UT4 *	1984	10	20.89933	02	38	59.52	+04	29	32.2	17.0	1 095
1984	UU4 *	1984	10	20.89933	02	40	15.46	+10	47	18.2	17.0	095
1984	UV4 *	1984	10	20.89933	02	40	24.33	+12	23	01.6	17.0	1 095
1352		1984	10	20.89933	02	40	29.50	+12	26	36.8		1 095
742		1984	10	20.89933	02	40	31.19	+06	43	35.0		095
288		1984	10	20.89933	02	42	43.63	+09	24	03.2		095
3206		1984	10	20.89933	02	42	49.91	+05	02	58.5		095
1984	UW4 *	1984	10	20.89933	02	44	40.44	+03	42	55.2	17.0	1 095
1984	UX4 *	1984	10	20.89933	02	44	42.69	+10	21	36.9	17.5	095
292		1984	10	20.89933	02	47	19.72	+13	21	02.0		1 095
2280		1984	10	20.89933	02	48	20.58	+08	52	41.2		095
3204		1984	10	20.89933	02	48	41.37	+12	44	21.8		1 095
2814		1984	10	20.89933	02	51	32.21	+12	54	04.9		1 095
2269		1984	10	20.89933	02	52	07.88	+04	41	38.6		095
1236		1984	10	20.89933	02	53	18.76	+10	19	35.4		095
956		1984	10	20.89933	02	53	21.00	+11	52	46.3		095
1984	UA2	1984	10	20.89933	02	57	31.24	+10	08	25.9		1 095
144		1984	10	20.89933	02	59	35.00	+11	05	28.1		1 095
3231		1984	12	17.75154	04	22	17.48	+31	59	22.4	16.5	1 095
1984	YA1 *	1984	12	17.75154	04	28	42.66	+35	56	52.1	17.0	2 095
1984	YB1 *	1984	12	17.75154	04	31	03.62	+37	52	09.5	17.0	095
545		1984	12	17.75154	04	31	32.77	+36	55	57.7		095
1231		1984	12	17.75154	04	33	15.90	+39	17	05.8		095
1984	YC1 *	1984	12	17.75154	04	39	59.83	+33	52	41.3	17.0	095
1984	YD1 *	1984	12	17.75154	04	44	29.30	+34	21	47.6	17.0	095
1468		1984	12	17.75154	04	44	29.86	+35	50	11.0		095
1654		1984	12	17.75154	04	44	35.51	+34	49	47.6		095
1984	YE1 *	1984	12	17.75154	04	47	21.27	+40	10	55.3	17.0	2 095
1984	YF1 *	1984	12	17.75154	04	51	54.77	+32	40	12.9	17.0	095
1984	WE1	1984	12	17.75154	04	52	34.44	+40	13	12.1	16.0	1 095
255		1984	12	17.75154	04	53	09.59	+36	08	29.6		095
1984	YG1 *	1984	12	17.75154	04	56	17.69	+35	11	49.7	17.5	095
564		1984	12	17.82583	04	35	52.64	+24	07	52.1		1 095
A915	TE	1984	12	17.82583	04	37	52.91	+29	39	13.2	17.0	1 095
1984	YH1 *	1984	12	17.82583	04	41	31.84	+25	16	06.1	17.5	1 095
1977	QA5	1984	12	17.82583	04	42	51.36	+26	00	13.1	16.5	095
1984	YJ1 *	1984	12	17.82583	04	48	02.85	+21	53	23.4	17.0	1 095

1984 YK1 *	1984 12 17.82583	04 48 41.83	+23 37 08.0	17.0	095
1984 YL1 *	1984 12 17.82583	04 51 01.75	+25 44 11.2	17.0	095
1984 YM1 *	1984 12 17.82583	04 51 43.27	+30 54 02.2	16.5	095
2958	1984 12 17.82583	04 51 44.56	+23 30 10.6		095
1984 YN1 *	1984 12 17.82583	04 53 30.55	+27 14 18.6	17.0	095
1984 WQ1	1984 12 17.82583	04 55 29.06	+25 47 50.8	17.5	095
2931	1984 12 17.82583	04 55 40.06	+25 17 55.6		095
2532	1984 12 17.82583	04 56 42.52	+30 13 20.1		1 095
497	1984 12 17.82583	04 57 10.21	+30 34 13.4		1 095
1984 YO1 *	1984 12 17.82583	04 57 15.92	+26 26 45.5	16.5	095
2206	1984 12 17.82583	04 58 26.80	+27 03 26.2		095
1934 RP	1984 12 17.82583	05 01 07.08	+24 49 06.1		095
198	1984 12 17.82583	05 01 54.32	+24 56 34.1		095
1984 YP1 *	1984 12 17.82583	05 02 34.74	+24 55 32.4	17.0	095
3195	1984 12 17.82583	05 04 00.32	+23 09 48.2	17.5	095
425	1984 12 17.82583	05 04 00.74	+24 49 54.3		095
1984 YY	1984 12 17.82583	05 04 55.15	+23 37 12.8	16.5	095
988	1984 12 17.82583	05 07 21.25	+24 26 22.0		095
2360	1984 12 17.82583	05 08 13.48	+27 05 10.3		095
1984 YQ1 *	1984 12 17.82583	05 11 12.24	+22 03 04.6	17.0	1 095
1937	1984 12 17.82583	05 13 41.76	+24 06 01.4		1 095
2930	1984 12 17.82583	05 14 40.57	+29 21 53.5		1 095
1493	1984 12 17.82583	05 16 10.22	+27 01 15.9		1 095
1984 YR1 *	1984 12 17.82583	05 17 09.09	+25 29 39.6	17.0	1 095
1456	1984 12 17.82583	05 17 11.42	+28 57 11.2		1 095
3215	1984 12 17.82583	05 18 25.44	+26 05 29.7	17.0	1 095
3167	1984 12 20.86209	04 26 11.91	+42 30 50.1	16.5	1 095
1984 YS1 *	1984 12 20.86209	04 26 59.15	+43 24 52.1	17.0	1 095
545	1984 12 20.86209	04 28 51.23	+36 44 53.1		1 095
1231	1984 12 20.86209	04 29 58.33	+39 04 13.0		095
1978 UF2	1984 12 20.86209	04 36 11.78	+43 01 44.4	16.5	095
1468	1984 12 20.86209	04 40 45.01	+35 25 02.8		1 095
1654	1984 12 20.86209	04 41 34.80	+34 46 36.3		1 095
1984 YE1	1984 12 20.86209	04 43 59.28	+40 19 15.3	17.0	095
1984 YT1 *	1984 12 20.86209	04 43 59.98	+37 17 42.9	17.5	095
1984 WE1	1984 12 20.86209	04 48 38.38	+40 51 39.4	16.0	095
255	1984 12 20.86209	04 49 46.56	+36 04 13.8		095
1984 WJ1	1984 12 20.86209	04 56 19.91	+38 22 27.6	17.0	095
54	1984 12 20.86209	05 01 49.53	+36 20 33.2		095
3167	1984 12 23.71330	04 23 00.72	+42 22 52.6	16.5	095
1231	1984 12 23.71330	04 27 08.34	+38 51 11.5		1 095
1978 UF2	1984 12 23.71330	04 32 58.92	+43 08 18.2	16.5	095
1984 WE1	1984 12 23.71330	04 45 08.34	+41 24 24.8	16.0	095
1984 YU1 *	1984 12 23.78830	04 27 19.05	+25 53 28.6	17.0	1 095
564	1984 12 23.78830	04 30 18.44	+24 16 31.9		1 095
A915 TE	1984 12 23.78830	04 33 00.64	+29 34 10.0	16.0	1 095
1984 YV1 *	1984 12 23.78830	04 33 46.24	+22 36 17.1	17.0	1 095
1984 YH1	1984 12 23.78830	04 36 13.94	+24 58 12.2	17.0	095
1977 QA5	1984 12 23.78830	04 36 51.63	+25 56 15.2	16.0	095
1984 YW1 *	1984 12 23.78830	04 39 52.90	+30 59 12.6	18.0	1 095
1984 YX1 *	1984 12 23.78830	04 39 58.99	+23 24 09.6	17.0	095
1984 YY1 *	1984 12 23.78830	04 40 43.00	+26 53 52.2	17.5	095
2314	1984 12 23.78830	04 41 33.48	+29 28 23.7		095
1984 YZ1 *	1984 12 23.78830	04 42 30.82	+26 31 46.1	17.5	095
1984 YK1	1984 12 23.78830	04 42 56.44	+23 39 42.6	17.0	095
1984 YL1	1984 12 23.78830	04 44 35.28	+25 57 48.4	17.5	095
1984 YM1	1984 12 23.78830	04 44 50.25	+30 29 52.3	16.5	095
1984 YA2 *	1984 12 23.78830	04 45 59.64	+23 26 03.3	17.5	095
1984 YB2 *	1984 12 23.78830	04 47 05.52	+26 20 09.6	17.5	095

1984 YN1	1984	12	23.78830	04	47	41.72	+27	06	23.8	17.5	095
2532	1984	12	23.78830	04	50	18.26	+29	54	48.7		095
2931	1984	12	23.78830	04	50	18.75	+25	10	03.0		095
1984 WQ1	1984	12	23.78830	04	50	25.26	+25	33	55.7	17.0	095
1984 YO1	1984	12	23.78830	04	50	49.02	+26	32	02.4	16.0	095
1984 YC2 *	1984	12	23.78830	04	50	58.84	+24	57	54.8	17.5	095
497	1984	12	23.78830	04	51	29.13	+30	21	26.8		095
2206	1984	12	23.78830	04	52	54.30	+27	09	21.4		095
1984 YD2 *	1984	12	23.78830	04	53	58.22	+28	44	29.7	17.5	095
1934 RP	1984	12	23.78830	04	55	20.69	+24	45	04.1		095
198	1984	12	23.78830	04	55	52.39	+24	16	58.0		095
1984 YE2 *	1984	12	23.78830	04	55	58.89	+24	06	47.8	17.5	095
1984 YF2 *	1984	12	23.78830	04	56	43.65	+25	35	48.7	17.0	095
1984 YG2 *	1984	12	23.78830	04	57	04.20	+31	30	52.2	17.0	1 095
3213	1984	12	23.78830	04	57	45.90	+23	41	51.6		095
1984 YY	1984	12	23.78830	04	58	11.62	+23	31	36.9	16.0	095
425	1984	12	23.78830	04	58	27.10	+24	48	11.6		095
988	1984	12	23.78830	05	02	09.96	+24	21	10.6		095
2360	1984	12	23.78830	05	02	24.88	+27	02	42.3		095
1984 YH2 *	1984	12	23.78830	05	02	46.98	+25	58	21.5	17.5	095
1937	1984	12	23.78830	05	06	50.47	+24	23	52.8		1 095
1984 YJ2 *	1984	12	23.78830	05	08	16.46	+27	46	32.1	17.5	1 095
2930	1984	12	23.78830	05	08	41.05	+29	13	26.7		1 095
1493	1984	12	23.78830	05	09	33.89	+26	48	52.3		1 095
1456	1984	12	23.78830	05	11	47.30	+28	34	14.6		1 095
3215	1984	12	23.78830	05	12	51.34	+26	12	55.8	17.0	1 095
1984 YK2 *	1984	12	23.85773	04	33	55.64	+18	13	35.3	17.5	1 095
358	1984	12	23.85773	04	34	22.88	+16	11	49.5		1 095
2393	1984	12	23.85773	04	35	02.25	+14	54	24.8		1 095
1984 WW	1984	12	23.85773	04	35	39.59	+15	14	01.9	16.5	1 095
2152	1984	12	23.85773	04	36	23.31	+19	10	05.4		1 095
1984 YL2 *	1984	12	23.85773	04	36	32.95	+13	24	46.3	17.5	1 095
3208	1984	12	23.85773	04	37	17.07	+19	08	49.9	17.5	1 095
1984 YM2 *	1984	12	23.85773	04	38	21.85	+13	26	15.0	17.5	1 095
1978 TO7	1984	12	23.85773	04	38	48.85	+15	00	53.4	16.5	1 095
736	1984	12	23.85773	04	40	13.68	+15	51	11.9		095
2334	1984	12	23.85773	04	40	35.49	+17	42	56.1		095
1984 YN2 *	1984	12	23.85773	04	45	37.41	+16	29	56.1	17.5	095
2318	1984	12	23.85773	04	46	08.78	+15	53	39.6		095
2710	1984	12	23.85773	04	46	27.91	+17	43	03.6		095
1984 YO2 *	1984	12	23.85773	04	47	55.81	+18	29	11.2	17.0	095
1984 YP2 *	1984	12	23.85773	04	50	03.82	+17	05	58.6	17.5	095
1561	1984	12	23.85773	04	52	09.09	+19	50	23.0		1 095
1984 YQ2 *	1984	12	23.85773	04	52	42.14	+15	32	35.3	17.5	095
1984 YR2 *	1984	12	23.85773	04	52	42.66	+18	32	36.6	17.5	2 095
3016	1984	12	23.85773	04	52	54.65	+19	12	27.8		1 095
1852	1984	12	23.85773	04	53	45.20	+18	06	20.3		095
1984 YS2 *	1984	12	23.85773	04	57	38.91	+12	10	19.4	17.5	095
1984 YT2 *	1984	12	23.85773	04	59	32.60	+13	56	54.2	17.5	095
1984 YU2 *	1984	12	23.85773	05	02	43.62	+16	01	26.5	17.5	095
1984 YV2 *	1984	12	23.85773	05	03	16.10	+16	21	58.3	16.5	095
1984 YW2 *	1984	12	23.85773	05	05	42.62	+13	05	32.5	17.0	095
1984 YX2 *	1984	12	23.85773	05	07	36.50	+19	40	38.6		1 095
1984 YY2 *	1984	12	23.85773	05	08	03.75	+12	15	12.4	15.0	1 095
1984 YZ2 *	1984	12	23.85773	05	09	16.26	+16	56	22.9	17.0	1 095
1629	1984	12	23.85773	05	10	35.43	+11	03	12.8		1 095
124	1984	12	23.85773	05	11	45.98	+18	37	35.4		1 095
1984 YA3 *	1984	12	23.85773	05	11	56.80	+17	27	31.1	17.0	1 095
1257	1984	12	23.85773	05	12	17.60	+18	14	56.0		1 095

1984 YB3 *	1984	12	23.85773	05	12	51.90	+13	35	22.0	17.0	1	095
3167	1984	12	27.70427	04	18	55.44	+42	09	30.1	16.5		095
1231	1984	12	27.70427	04	23	28.87	+38	31	16.8			095
545	1984	12	27.70427	04	23	29.63	+36	17	48.3			095
1978 UF2	1984	12	27.70427	04	28	50.13	+43	14	28.2	17.0	1	095
1654	1984	12	27.70427	04	35	33.58	+34	35	58.5		1	095
1984 YC3 *	1984	12	27.70427	04	36	30.34	+40	06	46.1	17.5		095
1984 WE1	1984	12	27.70427	04	40	33.05	+42	05	55.8	16.0		095
255	1984	12	27.70427	04	42	55.14	+35	50	08.3			095
1984 WJ1	1984	12	27.70427	04	48	45.14	+38	20	41.5	17.0	1	095
A915 TE	1984	12	27.77720	04	30	05.76	+29	29	57.5	16.5	1	095
1984 YH1	1984	12	27.77720	04	33	07.30	+24	46	21.0	17.5	1	095
1977 QA5	1984	12	27.77720	04	33	28.04	+25	53	04.2	16.5	1	095
2314	1984	12	27.77720	04	37	31.95	+29	22	53.8			095
1984 YK1	1984	12	27.77720	04	39	34.72	+23	41	23.1	17.0		095
1984 YM1	1984	12	27.77720	04	40	42.50	+30	12	00.2	17.0		095
1984 YL1	1984	12	27.77720	04	40	47.58	+26	05	48.0	17.5		095
1984 YD3 *	1984	12	27.77720	04	43	03.36	+31	43	52.8	16.5	1	095
2958	1984	12	27.77720	04	43	20.64	+23	12	04.8			095
1984 YN1	1984	12	27.77720	04	44	19.68	+27	00	14.8	17.5		095
2532	1984	12	27.77720	04	46	31.32	+29	40	59.8			095
1984 YE3 *	1984	12	27.77720	04	46	35.44	+30	46	53.7	17.0	3	095
1984 YO1	1984	12	27.77720	04	46	59.64	+26	34	20.6	16.5		095
2931	1984	12	27.77720	04	47	01.48	+25	04	27.7			095
1984 WQ1	1984	12	27.77720	04	47	26.50	+25	24	27.4	17.0	2	095
497	1984	12	27.77720	04	48	09.26	+30	11	31.9			095
2206	1984	12	27.77720	04	49	26.83	+27	12	24.5			095
1984 YF3 *	1984	12	27.77720	04	50	21.22	+30	51	12.0	17.5	3	095
1984 YG3 *	1984	12	27.77720	04	51	51.02	+30	57	55.8	17.5	3	095
1934 RP	1984	12	27.77720	04	52	01.28	+24	42	03.8			095
1984 YE2	1984	12	27.77720	04	52	08.80	+23	58	19.3	17.5		095
198	1984	12	27.77720	04	52	19.41	+23	51	12.6			095
1984 YY	1984	12	27.77720	04	54	12.00	+23	27	43.3	16.5		095
3213	1984	12	27.77720	04	54	41.18	+23	37	23.0			095
425	1984	12	27.77720	04	54	58.95	+24	46	36.7			095
2360	1984	12	27.77720	04	58	55.52	+26	59	58.4			095
988	1984	12	27.77720	04	58	59.70	+24	17	27.8			095
1937	1984	12	27.77720	05	02	32.97	+24	34	52.6			095
2930	1984	12	27.77720	05	04	56.48	+29	06	22.8			095
1493	1984	12	27.77720	05	05	29.83	+26	39	40.6			095
1456	1984	12	27.77720	05	08	24.95	+28	18	05.3		1	095
1984 YH3 *	1984	12	27.77720	05	08	56.61	+25	12	06.7	16.5	1	095
3215	1984	12	27.77720	05	09	19.79	+26	17	01.1	17.0	1	095
707	1984	12	27.77720	05	11	08.85	+25	00	06.1		1	095
607	1984	12	27.77720	05	12	26.10	+28	12	07.3		1	095
358	1984	12	27.82996	04	31	44.06	+16	10	42.8		1	095
2393	1984	12	27.82996	04	32	27.40	+14	45	30.0		1	095
1984 WW	1984	12	27.82996	04	32	42.80	+15	22	08.7	16.0	1	095
2152	1984	12	27.82996	04	33	50.18	+18	45	09.1		1	095
1978 TO7	1984	12	27.82996	04	35	55.94	+15	15	29.6	16.0	1	095
736	1984	12	27.82996	04	36	46.31	+15	56	02.4		1	095
2334	1984	12	27.82996	04	36	55.25	+17	44	35.7		1	095
1984 YN2	1984	12	27.82996	04	42	38.93	+16	35	34.1	18.0		095
2710	1984	12	27.82996	04	42	48.56	+17	42	02.1			095
2318	1984	12	27.82996	04	42	55.36	+15	57	38.7			095
1984 YO2	1984	12	27.82996	04	45	48.62	+18	14	09.1	16.5		095
1984 YJ3 *	1984	12	27.82996	04	48	17.30	+14	51	24.3	18.0	2	095
1984 YK3 *	1984	12	27.82996	04	48	57.25	+18	36	43.5	17.5		095
1561	1984	12	27.82996	04	49	15.67	+19	43	52.3		1	095

1984 YQ2	1984 12 27.82996	04 49 33.35	+15 27 25.8	17.0	095
3016	1984 12 27.82996	04 49 41.12	+19 11 38.0	1	095
1984 YL3 *	1984 12 27.82996	04 49 57.98	+12 03 40.3	18.0	095
1852	1984 12 27.82996	04 50 29.48	+18 18 11.7		095
1984 YM3 *	1984 12 27.82996	04 50 35.76	+16 42 08.0	17.0	095
1984 YT2	1984 12 27.82996	04 56 07.57	+14 11 01.3	17.0	095
1984 YU2	1984 12 27.82996	04 59 19.89	+15 39 40.6	18.0	095
1984 YV2	1984 12 27.82996	04 59 40.83	+16 08 40.9	16.0	095
1629	1984 12 27.82996	05 06 27.43	+11 13 43.4		3 095
1984 YN3 *	1984 12 27.82996	05 07 05.94	+16 37 20.8	17.0	2 095
1984 YA3	1984 12 27.82996	05 08 05.92	+17 58 54.3	16.5	095
124	1984 12 27.82996	05 08 07.50	+18 34 17.0		1 095
1257	1984 12 27.82996	05 08 28.13	+18 09 01.5		1 095
1984 YO3 *	1984 12 27.82996	05 09 06.76	+19 25 26.3	17.0	1 095
1984 YB3	1984 12 27.82996	05 10 15.91	+13 39 39.5	17.0	095
1984 YP3 *	1984 12 27.82996	05 12 10.64	+12 52 40.2	17.0	3 095
3011	1984 12 27.82996	05 12 38.64	+14 47 20.8		1 095
2205	1984 12 27.82996	05 12 45.72	+13 59 53.6		1 095
991	1984 12 27.92439	05 43 15.78	+24 37 49.3		1 095
1109	1984 12 27.92439	05 44 03.20	+23 21 12.2		1 095
476	1984 12 27.92439	05 44 06.78	+28 07 28.5		1 095
66	1984 12 27.92439	05 44 43.08	+28 43 05.0		1 095
1984 YQ3 *	1984 12 27.92439	05 46 16.95	+29 15 23.4	17.5	1 095
586	1984 12 27.92439	05 46 17.65	+21 47 36.3		1 095
2026	1984 12 27.92439	05 46 18.57	+26 11 00.1		1 095
1470	1984 12 27.92439	05 46 41.18	+27 59 54.2		1 095
1984 YR3 *	1984 12 27.92439	05 47 00.15	+26 20 31.8	17.0	1 095
2626	1984 12 27.92439	05 47 40.02	+25 42 19.9		1 095
1983 NU	1984 12 27.92439	05 50 17.88	+25 22 53.6		095
2177	1984 12 27.92439	05 51 48.36	+24 46 21.6		095
637	1984 12 27.92439	05 51 53.29	+23 51 25.2		095
1984 YD	1984 12 27.92439	05 53 54.61	+26 25 30.2	16.5	095
1984 YS3 *	1984 12 27.92439	05 54 38.44	+24 10 22.0	17.5	095
1984 YT3 *	1984 12 27.92439	05 54 50.87	+24 49 43.4	18.0	095
2580	1984 12 27.92439	05 59 33.67	+22 10 58.9		1 095
1984 YU3 *	1984 12 27.92439	06 00 05.16	+24 46 10.3	17.5	095
2670	1984 12 27.92439	06 00 43.55	+26 41 04.8		095
331	1984 12 27.92439	06 00 53.88	+31 51 08.0		1 095
1984 YV3 *	1984 12 27.92439	06 03 27.77	+28 34 41.1	17.0	095
1984 YW3 *	1984 12 27.92439	06 04 40.14	+23 34 40.9	18.0	095
1984 YX3 *	1984 12 27.92439	06 05 39.70	+28 32 30.3	17.0	095
1984 YY3 *	1984 12 27.92439	06 06 03.43	+28 25 52.9	17.0	095
1984 YZ3 *	1984 12 27.92439	06 07 39.02	+28 20 21.9	14.5	095
1984 YA4 *	1984 12 27.92439	06 09 04.59	+25 57 43.2	17.0	095
514	1984 12 27.92439	06 09 07.71	+22 57 33.0		1 095
2029	1984 12 27.92439	06 10 12.27	+24 04 47.9		095
1984 YB4 *	1984 12 27.92439	06 11 07.94	+28 08 32.8	17.0	095
1984 YC4 *	1984 12 27.92439	06 12 15.86	+28 02 40.8	17.0	095
2659	1984 12 27.92439	06 12 25.61	+21 36 41.8		1 095
1700	1984 12 27.92439	06 12 28.13	+31 32 51.4		1 095
2264	1984 12 27.92439	06 14 14.55	+23 18 38.6		095
1984 YD4 *	1984 12 27.92439	06 14 46.93	+24 55 28.2	17.5	095
1984 YE4 *	1984 12 27.92439	06 15 00.77	+27 47 51.8	17.0	095
1984 YF4 *	1984 12 27.92439	06 15 14.76	+21 57 54.7	16.5	1 095
1984 YG4 *	1984 12 27.92439	06 17 22.67	+25 34 14.3	17.5	095
1984 YH4 *	1984 12 27.92439	06 17 45.59	+27 30 22.9	17.0	095
2376	1984 12 27.92439	06 18 17.50	+26 23 02.6		095
677	1984 12 27.92439	06 18 25.34	+22 56 04.4		1 095
2584	1984 12 27.92439	06 25 39.41	+25 05 33.1		1 095

1984	YJ4 *	1984	12	27.92439	06	26	26.04	+26	04	07.5	17.0	1	095
1490		1984	12	28.00215	06	45	34.86	+15	55	06.1			1 095
100		1984	12	28.00215	06	46	42.34	+18	52	17.1			1 095
2039		1984	12	28.00215	06	47	26.98	+23	14	39.1			1 095
1984	YK4 *	1984	12	28.00215	06	47	45.80	+17	30	12.0	18.0	1	095
2324		1984	12	28.00215	06	49	57.59	+23	19	02.0			095
2331		1984	12	28.00215	06	52	17.70	+19	47	25.9			095
1984	YL4 *	1984	12	28.00215	06	54	07.57	+22	41	38.8	17.5		095
2593		1984	12	28.00215	06	54	13.25	+23	06	31.6			095
1984	YM4 *	1984	12	28.00215	06	56	14.41	+23	28	27.3	17.5		095
1984	YN4 *	1984	12	28.00215	06	56	24.00	+20	57	03.7	17.0		095
1984	YO4 *	1984	12	28.00215	06	56	25.87	+19	19	50.6	17.5		095
150		1984	12	28.00215	06	56	58.05	+19	39	23.3			095
1984	YP4 *	1984	12	28.00215	06	56	58.38	+22	22	43.3	17.0		095
1984	YQ4 *	1984	12	28.00215	06	57	52.01	+19	30	11.2	17.0		095
1984	YR4 *	1984	12	28.00215	06	58	00.86	+20	09	52.4	17.0		095
1984	YS4 *	1984	12	28.00215	06	58	26.61	+22	18	42.6	17.0		095
1984	YT4 *	1984	12	28.00215	06	58	40.88	+19	27	58.5	17.5		095
1978	WN14	1984	12	28.00215	06	59	06.18	+22	03	22.4	16.5		095
1984	YU4 *	1984	12	28.00215	06	59	21.21	+20	05	50.0	18.0		095
1984	YV4 *	1984	12	28.00215	06	59	30.66	+23	04	36.7	17.0		095
1055		1984	12	28.00215	07	00	07.72	+16	29	29.8		1	095
1984	YW4 *	1984	12	28.00215	07	00	25.38	+20	17	58.6	17.0		095
336		1984	12	28.00215	07	00	25.53	+15	53	11.3		1	095
1984	YX4 *	1984	12	28.00215	07	01	10.26	+17	33	31.9	16.5		095
1984	YY4 *	1984	12	28.00215	07	03	39.21	+19	53	03.1	17.5		095
2785		1984	12	28.00215	07	06	07.30	+24	21	23.8		1	095
1984	YZ4 *	1984	12	28.00215	07	06	14.26	+22	03	08.7			095
2346		1984	12	28.00215	07	06	23.08	+16	33	14.6		1	095
1984	YA5 *	1984	12	28.00215	07	06	52.04	+23	08	06.0	17.5		095
1984	YB5 *	1984	12	28.00215	07	07	20.69	+22	44	07.3	17.0		095
3207		1984	12	28.00215	07	07	47.83	+19	34	11.6	17.0		095
2732		1984	12	28.00215	07	07	56.97	+15	39	32.0		1	095
1978	QC	1984	12	28.00215	07	08	06.22	+19	57	03.8	17.0		095
1984	YC5 *	1984	12	28.00215	07	08	28.11	+22	27	12.1	17.0		095
1984	YD5 *	1984	12	28.00215	07	08	46.06	+16	36	43.8	17.0	1	095
1984	YE5 *	1984	12	28.00215	07	09	40.58	+16	34	39.4	17.5	1	095
1984	YF5 *	1984	12	28.00215	07	11	15.10	+21	51	17.4	17.0		095
2499		1984	12	28.00215	07	11	20.44	+21	23	56.5			095
1984	YG5 *	1984	12	28.00215	07	11	39.92	+18	24	28.0	17.5		095
1984	YH5 *	1984	12	28.00215	07	11	49.42	+18	18	07.5	17.0		095
3209		1984	12	28.00215	07	12	23.01	+18	09	13.0	16.5		095
1984	YJ5 *	1984	12	28.00215	07	13	34.14	+16	23	19.3	16.5	3	095
1984	YK5 *	1984	12	28.00215	07	13	59.73	+18	58	32.2	17.0		095
1984	YL5 *	1984	12	28.00215	07	14	16.34	+20	30	07.4	17.0		095
1244		1984	12	28.00215	07	16	14.66	+20	42	23.8			095
1984	YM5 *	1984	12	28.00215	07	16	30.21	+22	24	25.0	17.0		095
1014		1984	12	28.00215	07	16	34.30	+20	12	35.5			095
1984	YN5 *	1984	12	28.00215	07	17	12.31	+20	24	56.5	17.5		095
1984	YO5 *	1984	12	28.00215	07	17	46.94	+22	16	56.3	17.0		095
1984	YP5 *	1984	12	28.00215	07	19	21.91	+20	38	54.4	17.0		095
1107		1984	12	28.00215	07	21	46.65	+20	57	38.0		1	095
1984	YQ5 *	1984	12	28.00215	07	22	49.14	+17	31	29.2	18.0	1	095
557		1984	12	28.00215	07	23	53.97	+22	47	23.7		1	095
1941	WA	1984	12	28.07922	08	43	47.19	+20	37	40.0	17.0	1	095
763		1984	12	28.07922	08	44	44.70	+17	24	00.0		1	095
576		1984	12	28.07922	08	46	49.79	+17	45	19.0		1	095
1985	BH	1984	12	28.07922	08	49	43.45	+18	32	51.8	17.5		095
3229		1984	12	28.07922	08	55	24.39	+19	22	27.2			095

1162		1984	12	28.07922	08	58	46.48	+19	35	29.8		095
2611		1984	12	28.07922	08	59	26.60	+20	42	59.4		095
2025		1984	12	28.07922	08	59	48.12	+21	46	11.2	1	095
1984	YR5 *	1984	12	28.07922	09	00	17.59	+18	30	31.2	17.0	095
1984	YS5 *	1984	12	28.07922	09	00	50.56	+20	03	18.0	17.5	095
1819		1984	12	28.07922	09	01	35.12	+17	44	49.1		095
440		1984	12	28.07922	09	04	52.37	+16	29	00.3		095
1984	YT5 *	1984	12	28.07922	09	07	43.22	+19	54	43.4	17.0	095
1984	YU5 *	1984	12	28.07922	09	08	07.13	+18	00	41.1	16.0	095
3110		1984	12	28.07922	09	10	12.06	+19	03	32.3		095
302		1984	12	28.07922	09	10	29.17	+21	44	14.2	1	095
277		1984	12	28.07922	09	15	49.16	+14	18	03.0		095
1984	YV5 *	1984	12	28.07922	09	18	24.36	+20	46	51.8	17.5	095
1349		1984	12	28.07922	09	21	43.02	+15	46	47.4	1	095
2177		1984	12	29.90953	05	50	06.22	+24	46	19.2	1	095
1984	YD	1984	12	29.90953	05	52	00.57	+26	31	37.8	17.0	1 095
1984	YU3	1984	12	29.90953	05	58	17.11	+24	47	04.1	17.0	095
2670		1984	12	29.90953	05	58	52.68	+26	34	44.1		095
331		1984	12	29.90953	05	58	56.69	+31	51	17.3		095
1770		1984	12	29.90953	06	00	03.26	+32	07	15.1	1	095
1984	YV3	1984	12	29.90953	06	03	34.06	+28	40	49.6	17.0	095
1984	YY3	1984	12	29.90953	06	04	08.31	+28	20	34.0	17.5	095
1984	YZ3	1984	12	29.90953	06	05	33.50	+28	45	25.1	14.5	095
1984	YA4	1984	12	29.90953	06	07	07.88	+25	59	34.7	17.0	095
1984	YB4	1984	12	29.90953	06	08	54.27	+28	02	46.4	17.0	095
1984	YC4	1984	12	29.90953	06	10	07.99	+28	03	48.8	17.0	095
1984	YW5 *	1984	12	29.90953	06	11	19.91	+24	02	59.2	17.0	1 095
2264		1984	12	29.90953	06	12	30.10	+23	19	08.5	1	095
1984	YE4	1984	12	29.90953	06	12	44.09	+27	56	29.1	17.0	095
1984	YD4	1984	12	29.90953	06	12	54.79	+24	55	37.2	17.5	095
1984	YG4	1984	12	29.90953	06	15	32.62	+25	35	25.6	17.0	095
1984	YH4	1984	12	29.90953	06	15	41.08	+27	35	34.3	17.0	095
2376		1984	12	29.90953	06	16	29.90	+26	25	12.4		095
2584		1984	12	29.90953	06	23	14.64	+25	07	48.9		095
1984	YJ4	1984	12	29.90953	06	24	27.13	+25	56	00.9	17.0	095
1064		1984	12	29.90953	06	26	42.03	+24	11	54.8	1	095
40		1984	12	29.90953	06	28	56.22	+23	43	15.8	1	095
987		1984	12	29.90953	06	29	24.02	+32	18	41.6	1	095
1599		1984	12	29.90953	06	33	41.74	+30	46	30.2	1	095
736		1984	12	30.01160	04	35	05.73	+15	59	17.4	1	095
1984	YO2	1984	12	30.01160	04	44	52.66	+18	06	58.7	16.5	095
1852		1984	12	30.01160	04	48	50.41	+18	24	45.5		095
1984	YV2	1984	12	30.01160	04	57	55.67	+16	02	23.7	16.0	095
124		1984	12	30.01160	05	06	15.13	+18	32	44.2	1	095
1257		1984	12	30.01160	05	06	30.41	+18	06	08.2		095
3011		1984	12	30.01160	05	11	06.13	+14	45	26.1		095
538		1984	12	30.01160	05	17	08.38	+15	16	04.2	1	095
2138		1984	12	30.07964	09	29	14.22	+17	55	20.5	1	095
1653		1984	12	30.07964	09	30	02.26	+14	48	04.7	1	095
1180		1984	12	30.07964	09	31	23.43	+20	53	22.9	1	095
367		1984	12	30.07964	09	31	47.14	+17	54	35.8	1	095
981		1984	12	30.07964	09	32	35.28	+17	22	40.1	1	095
1984	YX5 *	1984	12	30.07964	09	34	33.85	+15	32	26.5	17.0	095
569		1984	12	30.07964	09	34	54.12	+14	18	20.6		095
340		1984	12	30.07964	09	36	24.21	+21	31	06.1	1	095
143		1984	12	30.07964	09	40	34.81	+21	40	15.1	1	095
2873		1984	12	30.07964	09	43	33.59	+17	40	30.4		095
462		1984	12	30.07964	09	47	55.79	+15	15	07.2		095
296		1984	12	30.07964	09	49	14.39	+13	28	02.3	1	095

1141	1984	12	30.07964	09	50	01.80	+15	37	36.6		095
2623	1984	12	30.07964	09	54	09.44	+17	01	08.7		095
940	1984	12	30.07964	09	56	37.63	+19	58	40.3		095
577	1984	12	30.07964	09	56	52.59	+14	19	46.0		095
1563	1984	12	30.07964	10	02	59.72	+21	52	08.8	1	095
223	1984	12	30.07964	10	03	01.83	+14	48	09.7	1	095
424	1984	12	30.07964	10	04	10.61	+18	17	05.3		095
476	1984	12	30.96352	05	40	59.08	+27	54	52.6	1	095
66	1984	12	30.96352	05	41	41.72	+28	40	17.8	1	095
1984 YD	1984	12	30.96352	05	51	00.50	+26	34	45.9	16.5	095
2670	1984	12	30.96352	05	57	54.52	+26	31	16.2		095
331	1984	12	30.96352	05	57	55.10	+31	51	13.6		095
1770	1984	12	30.96352	05	58	50.68	+32	07	16.2		095
1984 YZ3	1984	12	30.96352	06	04	27.38	+28	58	29.6	14.5	095
1984 YB4	1984	12	30.96352	06	07	44.09	+27	59	35.2	17.0	095
1700	1984	12	30.96352	06	08	43.46	+31	29	51.8		095
1984 YE4	1984	12	30.96352	06	11	31.90	+28	00	53.6	17.0	095
1984 YH4	1984	12	30.96352	06	14	35.30	+27	38	10.6	17.0	095
2376	1984	12	30.96352	06	15	33.03	+26	26	17.6		095
476	1984	12	31.98903	05	39	57.36	+27	50	31.3	1	095
66	1984	12	31.98903	05	40	42.70	+28	39	11.6	1	095
1984 YQ3	1984	12	31.98903	05	42	34.73	+29	21	13.3	17.0	3 095
1470	1984	12	31.98903	05	43	06.89	+27	57	06.6	1	095
2626	1984	12	31.98903	05	43	48.92	+25	40	02.8	1	095
1984 YD	1984	12	31.98903	05	50	02.99	+26	37	37.6	16.5	095
331	1984	12	31.98903	05	56	55.93	+31	51	03.1		095
2670	1984	12	31.98903	05	56	58.50	+26	27	52.6		095
1770	1984	12	31.98903	05	57	41.19	+32	07	09.2		095
1984 YX3	1984	12	31.98903	06	01	25.11	+28	49	05.1	17.0	095
1984 YZ3	1984	12	31.98903	06	03	23.78	+29	11	00.0	14.5	095
1984 YA4	1984	12	31.98903	06	05	07.20	+26	01	19.0	17.0	095
1984 YB4	1984	12	31.98903	06	06	36.48	+27	56	24.7	17.0	095
1700	1984	12	31.98903	06	07	29.48	+31	28	32.9		095
1984 YC4	1984	12	31.98903	06	07	56.02	+28	04	36.2	17.0	095
1984 YE4	1984	12	31.98903	06	10	22.62	+28	05	03.7	17.0	095
1984 YD4	1984	12	31.98903	06	10	58.58	+24	55	40.4	17.5	1 095
1984 YH4	1984	12	31.98903	06	13	31.88	+27	40	38.9	17.0	095
1984 YG4	1984	12	31.98903	06	13	38.44	+25	36	31.1	17.0	095
2376	1984	12	31.98903	06	14	38.09	+26	27	16.8		095
987	1984	12	31.98903	06	27	22.20	+32	16	35.0	1	095

Note 1: near edge of plate. 2: measurement uncertain. 3 = 1 + 2.

OBSERVATIONS MADE AT THE PERTH OBSERVATORY, BICKLEY.

Plates taken with the 0.33-m astrograph by M. P. Candy, D. J. Gans, D. N. Harwood, C. Jekabsons, P. Jekabsons, J. Johnston and A. Verveer. Contact: M. P. Candy, Perth Observatory, Bickley, WA 6076, Australia.

Object	Date	UT	R. A. (1950)	Decl.	Obs.
1	1975	10	27.74028	04 54 43.62 +17 28 55.3	323
1	1975	11	07.65417	04 48 42.66 +17 41 32.4	323
1	1975	11	07.66007	04 48 42.40 +17 41 32.8	323
1	1975	12	01.69167	04 27 04.03 +18 12 42.9	323
1	1975	12	01.69757	04 27 03.54 +18 12 41.2	323
1	1975	12	14.56319	04 14 18.21 +18 32 41.3	323
1	1975	12	14.56910	04 14 17.89 +18 32 41.9	323
1	1979	12	05.54410	00 36 22.68 -07 51 52.5	323
1	1979	12	05.54618	00 36 22.68 -07 51 51.9	323
1	1979	12	05.54757	00 36 22.67 -07 51 51.4	323
1	1979	12	05.54896	00 36 22.68 -07 51 50.9	323
1	1979	12	05.55035	00 36 22.71 -07 51 50.1	323

1	1979	12	05.55174	00	36	22.70	-07	51	49.8	323
1	1980	01	03.53194	00	47	34.71	-04	15	27.7	323
1	1980	01	03.55000	00	47	35.51	-04	15	17.6	323
2	1975	09	29.69861	23	49	26.71	-07	20	00.2	323
2	1975	09	29.70451	23	49	26.45	-07	20	05.1	323
2	1975	11	07.58264	23	30	15.60	-14	12	27.9	323
2	1975	11	07.58854	23	30	15.57	-14	12	30.0	323
2	1975	12	14.51667	23	41	05.51	-15	32	00.8	323
2	1975	12	14.52257	23	41	05.76	-15	32	00.3	323
2	1976	12	03.78785	09	07	17.01	-23	39	22.4	323
2	1976	12	03.79167	09	07	17.16	-23	39	24.0	323
2	1976	12	03.79514	09	07	17.25	-23	39	26.5	323
2	1976	12	03.79861	09	07	17.37	-23	39	28.5	323
2	1976	12	03.80208	09	07	17.52	-23	39	29.0	323
2	1976	12	03.80556	09	07	17.65	-23	39	32.0	323
2	1976	12	03.80903	09	07	17.84	-23	39	33.5	323
2	1976	12	03.81597	09	07	17.96	-23	39	37.4	323
2	1976	12	03.81944	09	07	18.08	-23	39	39.3	323
2	1976	12	06.74444	09	08	58.48	-24	04	47.0	323
2	1976	12	06.74792	09	08	58.58	-24	04	49.5	323
2	1976	12	06.75139	09	08	58.69	-24	04	50.7	323
2	1976	12	06.75486	09	08	58.76	-24	04	52.1	323
2	1976	12	06.75833	09	08	58.88	-24	04	52.8	323
2	1978	08	13.50069	16	41	17.38	+18	08	07.1	323
2	1979	03	15.84896	20	40	58.70	+06	04	38.9	323
2	1979	03	15.86632	20	40	59.82	+06	04	44.9	323
2	1979	04	22.85399	21	17	25.33	+09	54	53.7	323
2	1979	04	22.87656	21	17	26.53	+09	55	03.2	323
2	1980	12	17.58889	01	54	30.71	-25	20	08.9	323
2	1980	12	17.59306	01	54	30.66	-25	20	07.4	323
2	1980	12	17.59375	01	54	30.73	-25	20	07.5	323
2	1980	12	17.59583	01	54	30.67	-25	20	06.2	323
3	1976	02	23.68819	10	49	17.44	+03	15	52.2	323
3	1976	02	23.69479	10	49	17.14	+03	15	56.8	323
3	1976	04	01.56528	10	23	54.83	+09	00	12.2	323
3	1976	04	01.57118	10	23	54.73	+09	00	14.2	323
3	1976	05	07.44582	10	26	35.28	+11	00	44.1	323
3	1976	05	07.45242	10	26	35.47	+11	00	44.2	323
3	1976	06	01.43472	10	43	00.49	+10	26	47.2	323
3	1976	06	01.44062	10	43	00.76	+10	26	45.8	323
3	1978	08	11.51667	19	44	53.84	-06	45	38.3	323
3	1978	08	11.53438	19	44	53.01	-06	45	45.3	323
3	1979	11	23.84028	07	46	46.40	+01	52	15.5	323
3	1979	11	30.76736	07	47	27.22	+01	14	28.3	323
3	1979	11	30.77500	07	47	27.20	+01	14	26.0	323
3	1979	11	30.78264	07	47	27.18	+01	14	24.2	323
3	1979	12	04.78611	07	47	06.62	+00	56	48.0	323
3	1979	12	04.80833	07	47	06.36	+00	56	42.5	323
3	1979	12	04.81042	07	47	06.34	+00	56	42.0	323
3	1979	12	04.81250	07	47	06.30	+00	56	41.9	323
3	1979	12	20.80660	07	40	36.87	+00	25	47.4	323
3	1979	12	20.80799	07	40	36.80	+00	25	47.4	323
3	1980	01	02.67604	07	30	44.41	+00	55	00.6	323
3	1980	01	02.67743	07	30	44.48	+00	55	00.6	323
4	1975	09	29.71736	23	48	21.10	-13	55	31.4	323
4	1975	09	29.72326	23	48	20.77	-13	55	32.8	323
4	1975	11	07.58264	23	30	16.91	-13	59	57.9	323
4	1975	11	07.58854	23	30	16.93	-13	59	56.9	323
4	1975	12	14.53681	23	48	01.60	-09	53	14.5	323

4	1975	12	14.54306	23	48	01.92	-09	53	11.2	323
4	1978	07	07.54722	16	26	02.50	-17	33	30.2	323
4	1978	07	07.55208	16	26	02.44	-17	33	32.0	323
4	1980	01	03.56736	02	13	25.77	+06	10	53.9	323
4	1980	12	09.82778	10	41	22.86	+12	54	21.0	323
4	1980	12	09.83056	10	41	22.78	+12	54	21.7	323
4	1980	12	09.83264	10	41	22.70	+12	54	22.0	323
4	1980	12	09.83472	10	41	22.60	+12	54	22.0	323
4	1980	12	09.83681	10	41	22.45	+12	54	21.7	323
6	1975	06	08.47471	14	31	12.41	+07	01	35.6	323
6	1975	06	08.48094	14	31	12.18	+07	01	33.8	323
6	1976	08	30.74306	00	26	10.94	-13	13	16.9	323
6	1976	08	30.74919	00	26	10.89	-13	13	28.4	323
6	1976	09	08.70972	00	23	22.20	-15	39	58.1	323
6	1976	09	08.71597	00	23	22.03	-15	40	04.2	323
6	1976	09	08.72292	00	23	21.82	-15	40	11.3	323
6	1976	09	08.72986	00	23	21.49	-15	40	17.0	323
6	1976	10	15.61250	00	02	25.20	-22	40	53.2	323
6	1976	10	15.61840	00	02	25.07	-22	40	54.1	323
6	1976	11	18.50486	00	05	25.17	-21	01	41.6	323
6	1976	11	18.51076	00	05	25.36	-21	01	39.1	323
6	1978	02	16.69792	10	55	07.95	+14	09	31.5	323
6	1978	02	16.71458	10	55	06.92	+14	09	43.5	323
6	1978	05	09.52083	10	22	16.67	+20	03	42.3	323
6	1979	05	15.77986	16	21	10.70	+01	28	52.5	323
6	1979	06	06.60938	16	00	41.85	+02	03	15.0	323
6	1979	06	06.62847	16	00	40.74	+02	03	14.7	323
6	1980	12	03.65208	03	31	25.54	-08	24	19.9	323
6	1980	12	03.65486	03	31	25.66	-08	24	20.2	323
6	1980	12	03.65694	03	31	25.70	-08	24	21.2	323
6	1980	12	03.65903	03	31	25.92	-08	24	22.3	323
6	1980	12	08.67153	03	27	59.30	-07	49	28.3	323
6	1980	12	08.67430	03	27	59.21	-07	49	26.9	323
6	1980	12	08.67639	03	27	59.13	-07	49	26.8	323
6	1980	12	08.67847	03	27	59.03	-07	49	24.2	323
6	1980	12	15.58472	03	24	22.23	-06	48	31.9	323
6	1980	12	15.58750	03	24	22.12	-06	48	30.6	323
6	1980	12	15.58958	03	24	22.08	-06	48	29.4	323
6	1980	12	15.59167	03	24	22.03	-06	48	27.8	323
6	1980	12	16.57153	03	23	58.21	-06	38	45.6	323
6	1980	12	16.57211	03	23	58.27	-06	38	47.8	323
6	1980	12	16.57361	03	23	58.15	-06	38	44.8	323
6	1980	12	16.57569	03	23	58.11	-06	38	43.6	323
6	1980	12	23.57222	03	22	00.15	-05	23	12.0	323
7	1976	05	31.84306	20	42	26.96	-14	23	18.5	323
7	1976	05	31.84965	20	42	26.99	-14	23	16.2	323
7	1976	08	25.64792	19	45	27.60	-14	03	03.9	323
7	1976	08	25.65405	19	45	27.42	-14	03	03.2	323
7	1978	02	15.61667	09	52	28.28	+03	40	09.1	323
7	1978	05	09.48611	09	39	53.31	+07	20	23.6	323
7	1978	05	09.50278	09	39	54.20	+07	20	20.8	323
7	1979	05	02.70139	15	50	21.01	-23	44	39.8	323
7	1979	06	07.50104	15	16	12.00	-20	56	57.6	323
7	1979	08	01.53681	15	07	27.91	-18	38	33.0	323
7	1979	08	01.54340	15	07	28.02	-18	38	33.2	323
7	1979	08	31.49931	15	30	19.65	-19	23	06.2	323
7	1979	08	31.51736	15	30	20.81	-19	23	09.0	323
7	1980	08	14.80555	00	01	28.02	+10	34	01.5	323
7	1980	08	14.81146	00	01	27.99	+10	34	03.5	323

7	1980	08	14.81562	00	01	27.93	+10	34	04.0	323
7	1980	08	14.81979	00	01	27.95	+10	34	05.8	323
7	1980	11	19.51180	23	31	05.63	+04	45	53.6	323
7	1980	12	22.52431	00	12	04.44	+06	19	28.6	323
9	1979	12	06.77708	09	33	40.51	+20	22	58.0	323
9	1979	12	06.77917	09	33	40.57	+20	22	58.4	323
9	1979	12	06.78125	09	33	40.66	+20	22	58.4	323
9	1979	12	06.78333	09	33	40.73	+20	22	58.4	323
10	1977	02	23.72292	11	02	29.14	+00	51	53.9	323
10	1977	02	23.73958	11	02	28.28	+00	51	58.6	323
11	1976	02	09.72569	10	21	51.43	+13	12	38.6	323
11	1976	02	09.73194	10	21	51.13	+13	12	41.5	323
11	1976	03	22.61806	09	47	39.56	+17	05	33.7	323
11	1976	03	22.62350	09	47	39.36	+17	05	35.1	323
11	1980	01	25.73264	11	39	55.69	+05	53	31.2	323
11	1980	01	25.73854	11	39	55.66	+05	53	32.4	323
11	1980	02	01.75975	11	38	20.63	+06	21	40.4	323
11	1980	02	01.76360	11	38	20.57	+06	21	41.4	323
11	1980	02	12.78919	11	33	21.13	+07	21	21.3	323
11	1980	02	12.79231	11	33	21.00	+07	21	22.7	323
11	1980	02	22.65660	11	26	36.26	+08	27	01.2	323
11	1980	02	25.59271	11	24	16.36	+08	47	53.6	323
16	1975	10	27.76389	05	16	13.56	+18	38	19.1	323
16	1975	10	28.79375	05	15	58.76	+18	36	47.1	323
16	1979	06	18.86806	21	14	52.25	-13	45	39.4	323
18	1976	03	08.65278	10	24	33.58	+12	33	00.8	323
18	1976	03	08.65833	10	24	33.30	+12	33	03.7	323
18	1976	03	08.66181	10	24	33.14	+12	33	05.5	323
18	1976	03	08.66528	10	24	32.95	+12	33	07.6	323
18	1978	10	12.78333	06	32	00.89	+10	01	11.0	323
18	1978	11	08.72500	06	49	22.18	+07	40	01.4	323
18	1978	11	27.78567	06	45	37.57	+06	42	05.5	323
18	1979	02	14.61458	05	53	12.14	+13	53	07.5	323
25	1976	06	01.79444	19	03	36.56	+11	16	32.7	323
25	1976	06	01.80312	19	03	36.49	+11	16	43.7	323
25	1976	07	02.74792	18	47	02.20	+19	31	47.3	323
25	1976	07	02.75382	18	47	01.90	+19	31	50.3	323
25	1977	11	16.78611	06	33	31.20	-00	05	35.9	323
25	1977	11	16.80278	06	33	30.65	-00	05	43.8	323
25	1977	12	02.78386	06	22	37.12	-02	19	06.6	323
25	1977	12	02.80069	06	22	36.12	-02	19	13.8	323
25	1978	01	13.55556	05	43	09.85	-04	00	29.6	323
25	1978	01	13.57222	05	43	09.04	-04	00	26.8	323
25	1979	03	02.69097	10	57	53.90	-19	13	32.1	323
25	1979	03	02.71528	10	57	52.20	-19	13	15.7	323
25	1979	03	19.67917	10	42	55.04	-16	27	48.6	323
25	1979	03	19.70486	10	42	53.84	-16	27	31.5	323
25	1979	04	11.55556	10	28	50.85	-11	36	16.3	323
25	1979	04	20.58958	10	26	43.54	-09	43	27.8	323
25	1979	04	20.61389	10	26	43.34	-09	43	09.6	323
25	1979	05	18.47569	10	33	30.02	-05	14	10.3	323
25	1979	05	18.49375	10	33	30.59	-05	14	01.9	323
25	1980	10	06.59236	23	56	59.23	+18	55	06.8	323
25	1980	10	06.59514	23	56	59.17	+18	55	02.8	323
25	1980	10	22.51875	23	51	15.78	+13	13	44.7	323
25	1980	10	22.52153	23	51	15.77	+13	13	47.4	323
25	1980	10	22.52361	23	51	15.81	+13	13	48.9	323
25	1980	10	22.52569	23	51	15.83	+13	13	53.1	323
25	1980	11	19.57188	23	58	08.98	+05	59	08.3	323

25	1980	12	22.55139	00	28	39.58	+03	08	56.5	323
25	1980	12	22.56458	00	28	40.52	+03	08	55.2	323
33	1979	07	20.46667	13	24	15.80	-10	02	18.5	323
33	1979	07	23.48333	13	26	09.57	-10	13	23.5	323
33	1980	09	11.74375	22	45	16.95	-09	40	39.6	323
39	1976	02	23.77083	12	29	03.96	+02	06	25.1	323
39	1976	02	23.77674	12	29	03.80	+02	06	27.5	323
39	1976	03	05.73403	12	23	03.98	+03	25	50.2	323
39	1976	03	05.74016	12	23	03.74	+03	25	52.4	323
39	1976	04	01.65486	12	03	31.60	+06	50	27.7	323
39	1976	05	02.50422	11	47	30.58	+09	07	10.0	323
39	1976	05	02.51354	11	47	30.42	+09	07	11.3	323
39	1978	07	28.87500	01	50	18.43	+05	32	34.8	323
39	1978	07	28.89097	01	50	19.35	+05	32	34.8	323
39	1978	09	13.80139	02	11	46.67	+02	39	40.7	323
39	1978	10	12.70556	01	58	19.83	-01	22	45.0	323
39	1978	11	06.68715	01	39	50.43	-04	04	03.3	323
39	1978	11	08.63403	01	38	36.92	-04	11	11.8	323
39	1980	01	21.71667	09	06	52.09	+09	28	02.7	323
39	1980	01	21.73403	09	06	50.68	+09	28	11.4	323
40	1976	05	07.84721	18	16	46.95	-21	16	31.5	323
40	1976	05	07.85589	18	16	46.90	-21	16	32.3	323
40	1976	06	08.71944	17	57	22.76	-22	09	55.3	323
40	1976	06	08.72535	17	57	22.79	-22	09	55.7	323
40	1976	07	02.68125	17	31	48.69	-22	54	59.8	323
40	1976	07	02.69792	17	31	47.57	-22	55	00.7	323
40	1979	03	19.74236	14	20	18.96	-07	10	13.1	323
40	1979	04	06.63194	14	08	43.95	-05	50	04.6	323
40	1979	04	06.65347	14	08	42.71	-05	49	58.0	323
40	1979	05	15.71007	13	33	17.92	-03	20	41.8	323
40	1980	11	20.53194	23	57	27.26	-06	39	29.5	323
44	1979	07	30.82882	00	41	25.99	+01	10	09.7	323
46	1980	03	14.54583	10	40	42.15	+07	17	01.6	323
46	1980	03	14.57014	10	40	40.94	+07	17	10.3	323
46	1980	03	18.60000	10	37	30.12	+07	39	28.7	323
46	1980	03	18.62431	10	37	28.97	+07	39	36.7	323
48	1980	01	03.63958	05	15	19.39	+13	30	13.4	323
48	1980	01	03.65417	05	15	18.81	+13	30	13.9	323
49	1979	02	28.69444	10	24	55.38	+06	07	23.0	323
49	1979	02	28.71875	10	24	54.29	+06	07	29.1	323
51	1976	09	21.77222	01	55	59.96	+05	40	26.5	323
51	1976	09	21.77847	01	55	59.75	+05	40	23.5	323
51	1976	09	21.78472	01	55	59.54	+05	40	20.4	323
51	1976	09	21.79097	01	55	59.35	+05	40	18.6	323
51	1976	10	25.60903	01	29	45.58	+00	37	11.8	323
51	1976	10	25.61250	01	29	45.43	+00	37	10.2	323
51	1976	10	25.61597	01	29	45.19	+00	37	08.2	323
51	1976	10	25.61944	01	29	45.02	+00	37	06.7	323
51	1976	10	25.62292	01	29	44.83	+00	37	04.7	323
51	1976	10	25.62639	01	29	44.67	+00	37	03.5	323
51	1976	10	25.62986	01	29	44.49	+00	37	01.6	323
51	1976	10	25.63333	01	29	44.32	+00	36	59.9	323
51	1976	10	25.63681	01	29	44.13	+00	36	58.5	323
51	1976	10	25.64028	01	29	43.91	+00	36	56.5	323
51	1976	10	25.64375	01	29	43.76	+00	36	55.0	323
51	1976	10	25.64722	01	29	43.56	+00	36	52.9	323
51	1976	11	04.64653	01	21	48.78	-00	34	45.2	323
51	1976	11	04.65278	01	21	48.51	-00	34	47.0	323
51	1976	11	04.65903	01	21	48.23	-00	34	49.7	323

51	1976	11	18.61389	01	13	49.37	-01	39	16.7	323
51	1976	11	18.62014	01	13	49.22	-01	39	18.3	323
51	1976	11	18.62639	01	13	49.09	-01	39	19.9	323
51	1976	11	18.63264	01	13	48.90	-01	39	20.9	323
51	1976	12	14.55139	01	12	07.70	-01	41	15.2	323
51	1976	12	14.55764	01	12	07.61	-01	41	15.9	323
51	1976	12	14.56389	01	12	07.47	-01	40	34.2	323
51	1976	12	14.57014	01	12	07.38	-01	40	31.4	323
51	1977	01	12.52604	01	29	24.49	+00	34	15.5	323
51	1977	01	12.52986	01	29	24.72	+00	34	16.7	323
51	1977	01	12.53333	01	29	24.89	+00	34	17.7	323
51	1977	01	12.53681	01	29	25.08	+00	34	19.8	323
51	1977	01	28.51250	01	45	31.51	+02	25	45.2	323
51	1977	01	28.51875	01	45	31.91	+02	25	48.7	323
51	1977	01	28.52500	01	45	32.27	+02	25	51.7	323
51	1977	01	28.53125	01	45	32.67	+02	25	54.1	323
51	1978	02	07.72569	11	01	13.17	-00	27	01.0	323
51	1978	02	07.73160	11	01	12.96	-00	26	58.6	323
51	1978	03	02.72014	10	44	32.62	+03	08	18.7	323
51	1978	03	02.73681	10	44	31.73	+03	08	30.1	323
51	1978	05	09.54861	10	34	40.54	+10	33	51.1	323
51	1978	05	09.56528	10	34	41.37	+10	33	50.9	323
51	1979	04	27.88403	20	38	24.34	-08	00	30.4	323
51	1979	04	27.90208	20	38	25.48	-08	00	21.9	323
51	1979	06	18.83681	21	04	27.02	-03	53	47.8	323
51	1979	06	18.84271	21	04	26.97	-03	53	47.2	323
51	1979	06	18.84688	21	04	26.93	-03	53	46.8	323
51	1979	06	18.85104	21	04	26.88	-03	53	46.5	323
51	1979	08	02.72431	20	36	05.99	-06	01	16.2	323
51	1979	08	02.73021	20	36	05.68	-06	01	18.5	323
51	1979	08	22.57361	20	19	56.39	-08	31	37.9	323
51	1979	08	22.57882	20	19	56.18	-08	31	39.0	323
51	1979	08	22.58229	20	19	56.04	-08	31	41.0	323
51	1979	08	22.58576	20	19	55.91	-08	31	42.6	323
51	1979	08	31.60972	20	14	57.92	-09	41	21.0	323
51	1979	11	08.54792	20	46	08.52	-13	50	45.1	323
51	1979	11	08.55139	20	46	08.80	-13	50	44.9	323
51	1979	11	08.55486	20	46	08.95	-13	50	44.3	323
51	1979	11	08.55833	20	46	09.21	-13	50	44.3	323
51	1979	11	08.56181	20	46	09.46	-13	50	44.3	323
51	1979	11	08.56389	20	46	09.68	-13	50	43.8	323
51	1979	11	08.56875	20	46	09.95	-13	50	43.9	323
51	1979	11	08.57222	20	46	10.17	-13	50	43.8	323
51	1979	12	05.51042	21	21	30.76	-12	48	43.7	323
51	1979	12	05.51389	21	21	31.04	-12	48	42.4	323
51	1979	12	05.51736	21	21	31.37	-12	48	42.2	323
51	1979	12	05.52083	21	21	31.65	-12	48	41.1	323
51	1979	12	05.52431	21	21	31.94	-12	48	40.5	323
51	1980	09	19.85694	04	49	35.91	+12	35	05.1	323
51	1980	09	19.85972	04	49	35.81	+12	35	06.2	323
51	1980	09	19.86181	04	49	35.72	+12	35	06.3	323
51	1980	09	19.86389	04	49	35.65	+12	35	06.9	323
51	1980	09	19.86597	04	49	35.58	+12	35	07.5	323
51	1980	09	19.86806	04	49	35.47	+12	35	08.1	323
51	1980	09	19.87014	04	49	35.36	+12	35	08.2	323
51	1980	09	19.87222	04	49	35.32	+12	35	08.9	323
51	1980	09	19.87431	04	49	35.21	+12	35	09.7	323
51	1980	09	19.87639	04	49	35.09	+12	35	10.9	323
51	1980	10	22.84930	04	58	31.17	+09	30	53.5	323

69	1977	09	28.50000	00	18	32.41	+02	06	00.7	323
70	1980	10	23.49236	22	10	07.93	-25	54	57.5	323
70	1980	10	23.50555	22	10	08.19	-25	54	48.9	323
73	1976	07	16.55486	17	22	58.97	-26	43	42.1	323
73	1976	07	16.57431	17	22	58.27	-26	43	40.9	323
73	1977	09	05.80903	01	11	24.39	+07	30	23.1	323
74	1977	05	13.74167	16	27	41.02	-17	26	02.3	323
74	1977	05	13.75903	16	27	40.18	-17	25	59.0	323
74	1977	06	23.58125	15	53	49.91	-15	32	25.2	323
74	1977	06	23.59792	15	53	49.31	-15	32	22.7	323
81	1977	01	26.79444	11	06	23.06	+11	56	08.6	323
81	1977	01	26.81111	11	06	22.41	+11	56	13.3	323
81	1977	02	23.75903	10	44	34.94	+13	25	53.4	323
81	1977	02	23.77569	10	44	34.00	+13	25	57.0	323
81	1977	03	16.62153	10	26	11.79	+14	15	44.1	323
81	1977	03	16.63819	10	26	11.00	+14	15	50.6	323
83	1979	08	22.54097	15	59	01.92	-25	38	26.3	323
83	1979	08	27.50208	16	05	00.40	-25	49	42.9	323
83	1979	08	27.52639	16	05	02.34	-25	49	46.2	323
85	1977	06	27.78958	20	20	32.87	+01	29	54.0	323
85	1977	07	28.63889	19	59	39.40	+01	35	36.0	323
85	1977	07	28.65556	19	59	38.62	+01	35	33.0	323
85	1977	08	30.56250	19	43	35.93	-02	23	26.9	323
85	1977	08	30.57917	19	43	35.83	-02	23	36.7	323
85	1978	12	11.72674	05	52	03.70	+07	27	07.1	323
85	1978	12	11.75451	05	52	02.09	+07	27	03.1	323
85	1979	01	16.61007	05	22	06.96	+07	21	30.4	323
85	1979	01	22.57535	05	19	17.92	+07	36	14.2	323
85	1979	01	22.58681	05	19	17.66	+07	36	16.2	323
86	1978	07	07.48472	13	56	27.35	-08	05	47.2	323
86	1978	07	09.51319	13	56	49.12	-08	10	48.3	323
86	1978	07	10.51042	13	57	01.08	-08	13	24.3	323
86	1978	07	21.44167	14	00	13.69	-08	46	47.0	323
86	1978	07	21.45833	14	00	14.06	-08	46	51.3	323
86	1978	07	21.47431	14	00	14.40	-08	46	55.4	323
86	1978	07	28.46319	14	03	12.12	-09	12	27.1	323
86	1978	07	28.47986	14	03	12.44	-09	12	31.4	323
86	1978	09	06.47917	14	31	22.28	-12	21	48.7	323
93	1976	06	17.63750	16	18	51.37	-35	28	35.8	323
93	1976	06	17.65417	16	18	50.41	-35	28	32.7	323
93	1977	10	04.70833	01	27	25.50	+13	04	48.1	323
93	1977	10	04.72500	01	27	24.59	+13	04	46.2	323
93	1978	01	10.57153	01	04	13.95	+12	32	26.5	323
93	1978	01	10.58819	01	04	14.69	+12	32	32.9	323
96	1980	01	16.76042	10	08	33.30	+13	28	24.2	323
96	1980	01	21.75347	10	05	14.10	+13	16	42.9	323
96	1980	01	21.77014	10	05	13.28	+13	16	40.8	323
96	1980	01	24.80417	10	02	54.73	+13	10	17.5	323
102	1977	11	11.78611	06	27	21.64	+17	38	32.6	323
102	1977	12	09.68125	06	07	57.85	+16	32	15.3	323
102	1977	12	09.69792	06	07	56.72	+16	32	15.1	323
102	1978	01	10.63750	05	37	18.91	+16	11	25.2	323
102	1978	01	10.65417	05	37	18.07	+16	11	24.6	323
110	1980	10	23.56946	23	20	45.69	-12	02	59.0	323
111	1977	03	21.52014	09	48	24.96	+08	36	22.5	323
111	1977	03	21.54375	09	48	24.27	+08	36	25.0	323
111	1977	04	29.44479	09	51	26.10	+08	20	37.5	323
111	1977	04	29.46181	09	51	26.67	+08	20	35.2	323
111	1977	06	02.43819	10	21	24.49	+05	49	28.5	323

111	1977	06	02.45486	10	21	25.50	+05	49	30.2	323
113	1979	07	24.87639	03	17	29.25	+13	18	30.6	323
113	1979	08	01.89549	03	27	27.85	+13	44	58.4	323
119	1976	06	07.45556	14	59	34.82	-12	01	20.9	323
119	1976	06	07.47431	14	59	34.06	-12	01	17.6	323
125	1980	04	23.74028	15	29	12.84	-12	32	56.5	323
125	1980	04	23.76458	15	29	11.70	-12	32	46.2	323
129	1980	03	12.55347	09	01	07.86	+19	40	52.6	323
144	1979	12	19.53843	20	53	26.00	-21	12	29.1	323
145	1977	09	07.86528	02	13	37.95	-03	31	42.8	323
145	1977	10	19.63750	01	46	59.56	-06	21	48.6	323
145	1977	10	19.65417	01	46	58.59	-06	21	50.9	323
146	1979	08	22.71319	00	32	49.78	-17	25	00.0	323
146	1979	08	22.73750	00	32	49.08	-17	25	11.6	323
148	1975	06	04.60139	13	57	30.39	+20	27	06.7	323
148	1976	06	01.82083	19	15	19.97	+04	24	33.2	323
148	1977	10	14.81181	04	19	32.98	-18	07	17.8	323
148	1977	10	14.82847	04	19	32.60	-18	07	29.2	323
148	1977	11	10.75417	04	06	27.67	-22	23	45.7	323
148	1977	11	10.77083	04	06	26.53	-22	23	53.6	323
148	1977	11	21.63299	03	57	21.85	-22	50	49.8	323
148	1979	03	07.73472	11	27	58.59	+18	44	46.2	323
148	1979	03	07.75903	11	27	57.29	+18	44	59.8	323
148	1980	02	22.84375	16	15	06.12	+05	31	18.1	323
148	1980	02	22.86250	16	15	06.87	+05	31	26.1	323
148	1980	04	14.76528	16	24	30.43	+12	32	14.0	323
148	1980	04	14.78194	16	24	30.14	+12	32	22.3	323
148	1980	06	11.62153	15	44	00.83	+15	44	03.3	323
148	1980	06	11.63368	15	44	00.42	+15	44	02.2	323
148	1980	06	11.64409	15	43	59.97	+15	44	00.6	323
148	1980	06	11.65451	15	43	59.55	+15	43	58.7	323
148	1980	07	21.48264	15	30	41.30	+11	05	29.1	323
148	1980	07	21.49167	15	30	41.35	+11	05	23.6	323
148	1980	07	21.49688	15	30	41.34	+11	05	20.5	323
148	1980	07	21.50208	15	30	41.34	+11	05	17.4	323
148	1980	08	12.51545	15	36	33.91	+07	25	53.2	323
148	1980	08	12.52170	15	36	33.81	+07	25	54.6	323
148	1980	08	12.52674	15	36	33.68	+07	25	58.9	323
148	1980	08	12.53090	15	36	33.48	+07	26	01.8	323
153	1975	06	04.63819	15	31	43.10	-16	44	20.2	323
153	1975	06	04.65486	15	31	42.47	-16	44	16.4	323
153	1975	06	11.51667	15	27	57.49	-16	20	08.4	323
153	1975	06	11.53333	15	27	56.90	-16	20	04.2	323
153	1976	06	01.87708	21	04	44.68	-07	23	48.2	323
153	1976	08	25.60694	20	29	04.15	-07	59	41.6	323
153	1976	09	21.48819	20	22	18.80	-09	21	34.3	323
153	1977	09	02.79444	00	53	54.41	+12	44	19.6	323
153	1977	10	18.61389	00	29	02.60	+09	29	33.3	323
153	1977	10	18.63056	00	29	02.05	+09	29	28.8	323
153	1977	12	09.58889	00	19	00.95	+06	33	28.1	323
153	1979	09	27.83750	06	42	12.18	+18	05	12.8	323
153	1979	09	27.86181	06	42	12.97	+18	05	09.9	323
153	1979	12	19.77708	06	30	37.71	+15	55	31.6	323
153	1980	01	09.63819	06	16	48.69	+15	51	27.7	323
153	1980	01	09.65486	06	16	47.95	+15	51	30.4	323
153	1980	01	22.67292	06	09	14.08	+15	55	08.7	323
153	1980	11	26.80417	09	22	02.44	+06	37	07.8	323
164	1975	10	27.79306	05	05	14.65	+05	26	40.4	323
164	1975	11	03.77292	04	59	52.55	+06	43	34.0	323

164	1975	11	03.78958	04	59	51.54	+06	43	45.6	323
164	1975	11	27.65278	04	29	37.24	+12	12	36.6	323
164	1975	11	27.66944	04	29	35.75	+12	12	52.1	323
164	1975	12	10.61111	04	11	25.80	+15	26	53.1	323
164	1975	12	10.62986	04	11	24.20	+15	27	09.7	323
164	1975	12	26.55347	03	54	50.38	+19	07	21.0	323
164	1975	12	26.57014	03	54	49.69	+19	07	34.7	323
164	1976	01	08.58750	03	48	27.70	+21	44	12.6	323
164	1976	01	08.60451	03	48	27.55	+21	44	24.3	323
169	1980	04	23.59861	12	40	45.63	-08	41	43.6	323
169	1980	04	23.61666	12	40	44.21	-08	41	37.1	323
169	1980	04	23.68333	12	40	40.79	-08	41	22.6	323
169	1980	04	23.70764	12	40	39.58	-08	41	17.3	323
170	1976	06	07.52639	16	01	12.68	-38	51	29.4	323
170	1976	06	07.54306	16	01	11.66	-38	51	22.3	323
170	1976	06	09.63958	15	59	04.86	-38	35	55.2	323
170	1976	06	09.65486	15	59	04.15	-38	35	46.5	323
170	1976	06	09.65972	15	59	03.67	-38	35	43.2	323
170	1976	06	17.48681	15	52	02.11	-37	33	01.4	323
170	1976	06	17.50347	15	52	01.29	-37	32	52.9	323
170	1976	07	02.59861	15	43	09.88	-35	22	57.2	323
170	1976	07	02.61528	15	43	09.54	-35	22	48.4	323
170	1976	07	08.44062	15	41	37.76	-34	33	59.4	323
170	1976	07	08.45694	15	41	37.55	-34	33	50.8	323
179	1980	12	11.79097	07	40	07.16	+15	39	56.5	323
201	1978	01	16.75486	10	00	46.77	+09	34	34.4	323
201	1978	01	16.77153	10	00	46.17	+09	34	38.1	323
201	1978	03	02.60556	09	25	51.33	+13	32	21.4	323
201	1978	03	02.61944	09	25	50.71	+13	32	26.0	323
201	1978	03	03.59259	09	25	08.67	+13	37	22.2	323
201	1980	11	05.56458	23	44	15.27	-07	20	39.8	323
209	1977	02	11.82153	11	47	38.35	+04	08	20.8	323
209	1977	02	11.83819	11	47	37.82	+04	08	22.9	323
209	1977	03	18.71944	11	22	39.76	+05	46	18.4	323
209	1977	03	18.73611	11	22	38.93	+05	46	22.9	323
209	1977	04	20.57222	11	02	57.91	+06	37	43.5	323
209	1977	04	20.58889	11	02	57.58	+06	37	43.0	323
212	1980	05	23.66076	14	46	47.19	-22	17	19.0	323
217	1980	01	21.71667	09	06	16.14	+09	04	00.6	323
217	1980	01	21.73403	09	06	14.89	+09	04	07.0	323
222	1977	03	15.83681	13	59	36.55	-09	19	20.8	323
222	1977	04	20.68819	13	36	53.29	-07	12	37.1	323
222	1977	04	20.70486	13	36	52.47	-07	12	31.5	323
223	1980	04	11.62222	12	02	58.05	+01	43	33.2	323
232	1977	01	11.83472	11	24	32.28	+03	08	23.0	323
232	1977	02	25.71944	11	17	33.37	+06	43	21.7	323
232	1977	02	25.73611	11	17	32.65	+06	43	31.1	323
232	1977	03	30.60208	10	54	05.03	+11	15	46.8	323
232	1977	03	30.61875	10	54	04.52	+11	15	54.2	323
236	1978	01	16.81875	14	34	39.86	-12	47	35.3	323
236	1978	01	17.81944	14	35	32.87	-12	50	01.4	323
237	1980	08	07.46944	13	51	32.71	-05	45	33.9	323
237	1980	08	11.49236	13	55	59.60	-06	24	31.0	323
244	1980	09	12.68680	22	46	35.73	-03	22	57.6	323
244	1980	09	12.73750	22	46	33.00	-03	23	20.8	323
244	1980	09	17.68958	22	42	34.31	-04	00	02.6	323
246	1979	07	02.88646	21	00	27.73	-00	40	52.9	323
246	1979	08	01.68056	20	41	13.46	-03	45	18.5	323
246	1979	08	01.70486	20	41	12.25	-03	45	32.0	323

251	1978	10	04.75069	02	37	29.43	+02	26	57.6	323
251	1978	10	04.77500	02	37	28.70	+02	26	47.4	323
251	1978	10	23.69097	02	25	46.98	+00	19	54.5	323
251	1978	10	23.71181	02	25	45.95	+00	19	45.4	323
251	1978	11	27.60694	02	02	37.23	-01	50	45.4	323
251	1978	11	27.62361	02	02	36.75	-01	50	45.9	323
257	1979	06	19.57222	11	46	40.95	+02	55	39.2	323
257	1979	06	27.57292	11	51	44.07	+02	14	58.9	323
257	1979	06	30.47274	11	53	45.26	+01	59	09.4	323
257	1979	06	30.48507	11	53	45.70	+01	59	05.8	323
257	1979	07	17.45226	12	07	14.93	+00	16	46.7	323
257	1979	08	13.46632	12	33	26.09	-02	51	52.1	323
257	1980	02	12.84995	16	09	42.94	-21	54	30.1	323
257	1980	02	21.82430	16	16	22.82	-22	18	16.1	323
257	1980	06	06.65833	15	49	38.59	-22	41	06.3	323
257	1980	06	06.67535	15	49	37.85	-22	41	03.9	323
257	1980	08	07.62500	15	35	31.83	-21	55	37.5	323
257	1980	08	12.47847	15	37	32.00	-22	01	10.5	323
257	1980	08	15.48264	15	38	58.46	-22	05	14.4	323
273	1979	11	15.78403	06	57	13.04	-03	03	55.9	323
273	1979	11	15.80069	06	57	12.71	-03	04	01.6	323
273	1980	01	21.66944	06	05	12.50	-01	51	09.8	323
273	1980	01	21.68611	06	05	11.79	-01	51	01.5	323
276	1976	03	02.85208	14	17	03.08	-18	15	17.4	323
276	1976	03	02.87569	14	17	03.26	-18	15	11.1	323
276	1976	03	05.80625	14	16	59.40	-18	02	29.0	323
276	1976	03	05.82292	14	16	59.38	-18	02	24.0	323
276	1976	04	04.72500	14	06	14.24	-14	31	39.1	323
276	1976	04	04.74167	14	06	13.63	-14	31	29.6	323
276	1976	05	02.61530	13	47	25.10	-09	54	39.5	323
276	1976	05	02.63333	13	47	24.44	-09	54	27.5	323
276	1976	05	25.52153	13	36	20.89	-06	41	31.0	323
276	1976	05	25.53819	13	36	20.61	-06	41	24.9	323
279	1975	08	14.70278	21	22	33.01	-18	17	13.1	323
279	1975	08	14.71944	21	22	32.41	-18	17	16.8	323
279	1975	08	24.70486	21	16	35.61	-18	44	36.8	323
279	1975	08	27.64514	21	14	56.22	-18	51	48.0	323
279	1975	08	28.72292	21	14	20.75	-18	54	18.1	323
279	1975	08	28.73750	21	14	20.24	-18	54	19.6	323
279	1975	09	01.70139	21	12	14.74	-19	03	00.2	323
279	1975	09	02.62708	21	11	46.82	-19	04	51.2	323
279	1975	09	02.64514	21	11	46.29	-19	04	53.7	323
279	1975	09	08.64618	21	08	57.76	-19	15	45.4	323
279	1975	09	08.66714	21	08	57.21	-19	15	47.9	323
279	1975	09	12.71389	21	07	18.46	-19	21	41.6	323
279	1976	08	30.76875	00	38	28.00	+01	04	43.8	323
279	1976	09	15.76736	00	30	59.29	+00	13	34.0	323
279	1976	10	15.64306	00	14	22.50	-01	28	11.4	323
279	1977	10	14.78472	03	28	04.96	+17	28	19.8	323
279	1977	11	11.69097	03	12	15.58	+16	34	09.5	323
279	1977	11	11.70764	03	12	14.98	+16	34	07.7	323
279	1980	02	08.69167	09	16	39.38	+18	37	11.8	323
279	1980	02	21.61319	09	08	46.12	+19	12	25.7	323
279	1980	02	21.63403	09	08	45.36	+19	12	29.9	323
279	1980	03	12.55347	08	59	13.06	+19	48	52.3	323
280	1976	03	08.69375	10	58	30.72	+12	09	50.3	323
280	1976	04	01.58333	10	40	52.79	+12	38	41.0	323
280	1976	04	01.60139	10	40	52.18	+12	38	40.6	323
280	1978	10	05.63194	20	59	09.91	-23	43	44.1	323

280	1978	10	30.50764	21	06	04.84	-21	59	32.6	323
280	1978	10	30.53194	21	06	05.58	-21	59	25.8	323
284	1980	12	03.54514	22	53	03.02	-00	21	45.1	323
284	1980	12	05.52917	22	55	45.07	-00	14	54.5	323
285	1979	01	24.62222	09	22	45.13	+13	43	01.0	323
285	1979	01	26.74375	09	20	59.01	+13	44	13.4	323
285	1979	02	28.60208	08	53	46.10	+14	05	02.8	323
285	1979	03	23.49514	08	42	26.50	+14	00	58.6	323
296	1979	04	20.63889	13	43	40.88	-07	40	01.8	323
296	1979	04	20.66319	13	43	39.37	-07	39	52.7	323
296	1979	04	26.61319	13	37	45.95	-07	06	32.3	323
296	1979	05	01.69722	13	32	57.05	-06	39	57.7	323
296	1979	05	01.74792	13	32	54.23	-06	39	43.2	323
296	1979	05	02.62986	13	32	06.20	-06	35	19.8	323
299	1976	05	07.59652	14	03	39.16	-13	37	17.3	323
299	1976	05	07.61318	14	03	38.24	-13	37	11.8	323
299	1979	02	27.56875	07	56	49.66	+18	22	37.2	323
299	1979	02	27.59306	07	56	49.17	+18	22	39.6	323
308	1978	01	16.81875	14	33	39.49	-13	39	41.9	323
308	1978	01	17.81944	14	34	48.90	-13	43	51.6	323
308	1978	08	25.47292	15	05	15.04	-13	18	18.8	323
314	1979	03	02.83194	15	03	21.39	-07	06	38.6	323
314	1979	03	02.85694	15	03	21.59	-07	06	33.0	323
314	1979	04	02.81458	14	58	41.48	-04	33	34.6	323
314	1979	04	02.83889	14	58	40.73	-04	33	25.4	323
314	1979	08	22.49236	14	38	19.47	-04	07	38.2	323
317	1976	01	08.71875	08	45	44.12	+16	30	45.2	323
317	1976	01	08.73542	08	45	43.23	+16	30	49.2	323
329	1980	11	07.72743	07	46	35.64	+01	26	17.9	323
329	1980	11	07.75208	07	46	36.31	+01	26	07.0	323
329	1980	11	10.74305	07	47	48.02	+01	03	31.2	323
329	1980	11	10.76736	07	47	48.48	+01	03	21.4	323
329	1980	12	02.74167	07	49	22.72	-01	20	17.3	323
329	1980	12	02.76528	07	49	22.38	-01	20	24.4	323
334	1975	06	08.63944	16	15	56.25	-15	31	12.8	323
334	1975	06	08.65606	16	15	55.59	-15	31	12.4	323
334	1975	07	15.58542	15	59	33.72	-15	34	06.1	323
334	1975	08	01.51042	15	59	35.20	-16	01	42.1	323
334	1976	06	25.78958	21	02	21.42	-16	02	33.0	323
334	1976	08	25.57153	20	28	02.23	-19	12	54.6	323
334	1976	09	21.50625	20	20	42.69	-20	00	33.2	323
334	1977	09	02.76042	00	47	27.78	-00	07	52.9	323
334	1977	10	12.65486	00	25	17.19	-02	59	37.6	323
336	1979	02	22.75556	14	04	59.17	-18	30	28.3	323
336	1979	07	20.53639	13	56	12.17	-11	09	53.3	323
340	1978	10	30.50764	21	03	25.10	-21	12	03.7	323
340	1978	10	30.53194	21	03	26.15	-21	11	56.5	323
341	1980	09	10.68056	23	10	07.88	-14	54	35.5	323
342	1978	09	25.59653	22	34	04.02	+02	04	36.6	323
342	1978	09	25.62083	22	34	03.06	+02	04	27.1	323
343	1976	02	23.74097	11	30	41.41	+07	51	05.7	323
343	1976	02	23.75764	11	30	40.50	+07	51	12.7	323
350	1980	12	11.63889	05	07	27.04	+14	03	26.2	323
350	1980	12	11.65555	05	07	25.99	+14	03	35.2	323
364	1979	01	08.80069	11	58	16.45	+06	34	02.5	323
364	1979	01	24.75833	12	03	44.55	+07	12	41.6	323
364	1979	01	24.78264	12	03	44.63	+07	12	49.1	323
364	1979	02	05.84201	12	02	34.40	+08	17	25.5	323
364	1979	03	07.79444	11	41	32.39	+12	17	18.5	323

371	1976	12	22.81806	08	56	56.12	+14	18	10.4	323
371	1976	12	22.83472	08	56	55.71	+14	18	09.6	323
371	1977	01	10.75139	08	44	38.59	+14	12	44.3	323
371	1977	01	10.76649	08	44	37.81	+14	12	46.3	323
371	1977	02	07.64444	08	18	36.05	+14	43	32.3	323
371	1977	02	07.65972	08	18	35.15	+14	43	34.9	323
373	1979	03	20.70243	12	30	03.40	-04	13	33.9	323
374	1977	11	18.69097	03	30	06.84	+15	17	00.7	323
374	1977	11	18.70764	03	30	05.98	+15	16	56.9	323
378	1978	03	08.64167	09	13	42.27	+05	26	54.8	323
378	1978	03	08.65833	09	13	41.72	+05	26	59.9	323
378	1980	07	21.78056	20	31	23.71	-07	56	37.5	323
384	1978	10	30.50764	21	03	49.36	-23	03	40.4	323
384	1978	10	30.53194	21	03	50.31	-23	03	32.8	323
386	1977	01	27.61944	06	22	46.33	-02	28	32.6	323
386	1977	01	27.63611	06	22	45.82	-02	28	23.0	323
388	1979	07	16.74306	20	08	42.30	-28	54	14.0	323
389	1975	06	11.59236	18	19	38.15	-26	29	13.1	323
389	1975	06	11.60903	18	19	37.13	-26	29	10.5	323
389	1975	07	31.51835	17	39	06.37	-23	43	56.0	323
389	1976	08	30.80475	00	56	30.88	+18	29	15.2	323
389	1976	09	23.72292	00	40	34.66	+17	58	25.6	323
389	1976	09	23.73507	00	40	34.04	+17	58	23.3	323
389	1976	11	18.52396	00	05	49.49	+12	33	48.1	323
389	1976	11	18.54097	00	05	49.41	+12	33	43.1	323
389	1977	12	20.73819	08	16	01.31	+18	03	11.5	323
389	1977	12	20.75486	08	16	00.68	+18	03	09.2	323
389	1978	02	09.72500	07	29	17.70	+17	24	43.5	323
389	1978	02	09.74167	07	29	17.00	+17	24	42.4	323
389	1978	03	03.52014	07	20	22.64	+17	09	37.4	323
389	1978	03	03.52500	07	20	22.60	+17	09	38.3	323
389	1979	03	19.82153	16	30	48.84	-30	11	38.7	323
389	1979	03	19.84410	16	30	49.78	-30	11	42.8	323
389	1979	05	03.68889	16	30	05.36	-30	44	58.0	323
389	1979	06	06.57639	15	59	03.24	-28	17	33.9	323
389	1979	06	06.59306	15	59	02.20	-28	17	27.0	323
389	1980	10	10.62083	22	55	54.38	+05	53	33.0	323
389	1980	10	10.63055	22	55	53.86	+05	53	27.1	323
389	1980	10	22.48194	22	51	25.93	+04	54	29.0	323
389	1980	10	22.48785	22	51	26.06	+04	54	29.0	323
389	1980	10	22.49201	22	51	26.08	+04	54	30.8	323
389	1980	10	22.49618	22	51	26.21	+04	54	31.4	323
389	1980	11	19.53333	22	54	31.00	+03	40	34.3	323
389	1980	11	19.54722	22	54	31.48	+03	40	33.4	323
391	1979	11	27.67569	05	46	04.21	-06	32	04.1	323
391	1979	11	27.69236	05	46	03.13	-06	32	17.6	323
391	1979	12	12.76111	05	29	29.95	-09	27	01.0	323
391	1979	12	12.78021	05	29	28.66	-09	27	10.2	323
391	1980	01	18.65764	05	01	14.57	-09	14	47.5	323
391	1980	01	18.68194	05	01	14.19	-09	14	36.6	323
391	1980	01	21.62355	05	00	43.00	-08	54	35.3	323
391	1980	01	22.63351	05	00	36.23	-08	47	21.6	323
392	1980	02	21.77708	13	29	12.67	-15	18	36.5	323
392	1980	04	15.63958	13	00	11.04	-10	10	24.1	323
392	1980	04	15.66389	13	00	10.06	-10	10	12.1	323
392	1980	06	10.55799	12	42	53.13	-05	00	16.3	323
396	1979	08	01.72708	20	55	52.57	-13	18	03.8	323
396	1979	08	01.75139	20	55	51.23	-13	18	07.9	323
398	1977	03	18.68472	10	48	30.27	-07	52	59.3	323

398	1977	03	18.70139	10	48	29.43	-07	52	51.5	323
402	1977	02	24.87083	14	06	52.75	+02	59	41.5	323
402	1977	03	18.76042	14	05	08.43	+06	05	49.9	323
402	1977	03	18.77708	14	05	08.02	+06	06	00.8	323
402	1977	04	21.68194	13	41	07.91	+10	25	42.1	323
402	1977	04	21.69861	13	41	07.03	+10	25	47.3	323
403	1975	06	11.48403	14	58	12.93	-18	29	31.9	323
403	1975	06	11.50069	14	58	12.49	-18	29	26.9	323
407	1979	03	19.86424	17	30	06.51	-29	53	25.9	323
407	1979	05	17.67986	17	39	07.57	-30	40	41.4	323
407	1979	05	17.69653	17	39	06.92	-30	40	41.1	323
407	1979	06	07.59549	17	20	39.38	-30	06	17.0	323
407	1979	06	07.61111	17	20	38.44	-30	06	14.8	323
412	1980	04	23.84097	16	59	18.70	-08	01	26.5	323
412	1980	06	11.67569	16	22	30.33	-08	39	52.8	323
412	1980	06	11.69722	16	22	29.09	-08	39	54.8	323
412	1980	07	08.64444	16	05	47.20	-10	52	32.2	323
420	1979	08	20.85417	02	51	37.85	+20	54	49.4	323
420	1979	08	20.87847	02	51	38.50	+20	54	53.8	323
420	1979	09	21.78264	02	56	50.41	+21	16	48.5	323
420	1979	10	12.70799	02	49	02.68	+20	33	03.5	323
420	1979	10	12.73681	02	49	01.61	+20	32	57.9	323
420	1979	10	22.69931	02	42	45.47	+19	55	25.4	323
420	1979	10	22.72361	02	42	44.44	+19	55	22.0	323
421	1977	10	14.71250	01	31	06.20	+04	56	09.6	323
421	1977	10	14.72917	01	31	05.57	+04	55	56.0	323
421	1977	12	09.64514	01	26	11.60	+00	07	23.1	323
427	1979	07	02.91597	22	33	27.81	-06	24	34.3	323
427	1979	08	03.69444	22	24	38.14	-05	47	56.6	323
427	1979	08	03.71875	22	24	37.09	-05	47	56.8	323
427	1979	09	17.61944	21	51	27.52	-07	37	18.3	323
427	1979	09	17.64375	21	51	26.66	-07	37	21.5	323
429	1976	05	26.80347	18	43	15.71	-12	29	34.6	323
429	1976	05	26.82014	18	43	15.17	-12	29	30.2	323
429	1976	07	08.58472	18	08	35.86	-10	39	41.2	323
429	1976	07	08.60139	18	08	34.64	-10	39	28.8	323
430	1979	12	21.81770	10	32	48.14	-09	06	07.5	323
430	1980	01	22.77083	10	29	06.74	-13	01	39.3	323
430	1980	02	08.72917	10	17	14.61	-13	28	27.1	323
430	1980	02	08.75347	10	17	13.49	-13	28	25.8	323
430	1980	02	26.63472	10	01	36.12	-12	30	14.2	323
430	1980	03	12.61458	09	50	14.88	-10	50	40.2	323
431	1980	12	10.67361	04	21	30.99	+19	33	45.7	323
431	1980	12	10.69792	04	21	29.69	+19	33	43.5	323
433	1977	05	13.85764	19	08	19.53	-39	31	11.2	323
433	1977	05	13.87847	19	08	18.93	-39	31	15.5	323
433	1977	07	12.61007	17	30	41.71	-33	46	15.7	323
433	1977	07	12.62708	17	30	40.31	-33	46	00.9	323
433	1979	06	18.89931	22	21	57.73	-10	52	05.2	323
433	1979	08	20.68472	21	24	59.16	-05	29	44.8	323
433	1979	08	20.70208	21	24	57.22	-05	29	43.7	323
434	1977	11	10.79583	05	26	43.33	-13	41	49.7	323
434	1977	11	10.81250	05	26	42.57	-13	42	04.3	323
434	1978	01	13.62500	04	30	42.77	-13	55	31.5	323
434	1978	01	13.64167	04	30	42.41	-13	55	20.0	323
434	1980	12	03.76528	08	37	48.05	-12	06	34.8	323
434	1980	12	05.72430	08	38	01.40	-12	23	37.9	323
434	1980	12	15.71944	08	37	09.66	-13	37	24.0	323
434	1980	12	15.73611	08	37	09.44	-13	37	29.2	323

439	1978	02	12.68090	09	49	14.05	-10	28	38.1	323
439	1978	05	11.44097	09	39	18.59	+00	42	13.5	323
439	1978	05	11.45764	09	39	19.23	+00	42	18.0	323
448	1976	06	01.76042	18	52	25.30	-37	56	30.9	323
448	1976	06	01.77708	18	52	24.69	-37	56	36.9	323
448	1976	07	08.62847	18	19	42.12	-40	40	06.1	323
448	1976	07	08.64514	18	19	41.22	-40	40	06.8	323
448	1976	08	25.45833	18	00	08.23	-39	08	40.2	323
448	1976	08	25.47639	18	00	07.95	-39	08	43.8	323
449	1976	08	18.72569	22	40	01.98	-13	05	40.2	323
449	1976	08	18.74236	22	40	01.18	-13	05	45.1	323
457	1980	05	23.66076	14	44	05.97	-22	10	37.5	323
457	1980	06	09.57604	14	34	22.36	-20	31	11.1	323
457	1980	06	17.56892	14	31	27.05	-19	49	46.1	323
470	1977	10	14.74583	02	53	35.38	+08	39	28.0	323
470	1977	10	14.76250	02	53	34.57	+08	39	21.3	323
470	1977	11	10.67986	02	29	49.22	+05	44	34.1	323
470	1977	11	10.69653	02	29	48.33	+05	44	28.9	323
470	1977	12	07.57569	02	11	25.60	+04	15	57.4	323
474	1974	01	04.76806	10	33	11.84	+05	03	00.6	323
480	1976	11	25.77361	07	15	52.71	+03	30	03.2	323
480	1976	11	25.79028	07	15	52.41	+03	29	52.6	323
480	1976	12	22.69792	06	57	37.06	-00	57	37.4	323
480	1976	12	22.71458	06	57	36.13	-00	57	44.1	323
480	1977	01	11.68056	06	37	55.94	-02	38	24.9	323
480	1977	01	11.69722	06	37	55.00	-02	38	27.1	323
480	1977	01	27.61944	06	24	59.89	-02	45	24.8	323
480	1977	01	27.63611	06	24	59.20	-02	45	22.7	323
480	1978	03	21.75208	14	37	40.18	-29	52	39.6	323
480	1978	04	27.62222	14	12	54.88	-25	14	53.4	323
480	1978	04	27.63889	14	12	53.98	-25	14	41.1	323
480	1978	06	01.63889	13	50	52.14	-18	19	28.4	323
480	1978	06	01.65556	13	50	51.85	-18	19	17.5	323
480	1979	07	16.82083	20	56	00.86	+14	44	28.5	323
480	1979	07	16.84514	20	55	59.77	+14	44	34.2	323
480	1979	08	22.59653	20	25	23.31	+14	11	49.1	323
480	1979	08	22.60243	20	25	23.04	+14	11	46.6	323
480	1979	08	22.60660	20	25	22.82	+14	11	45.7	323
480	1979	08	22.61076	20	25	22.65	+14	11	43.5	323
486	1979	11	14.72222	02	49	00.49	+02	30	15.1	323
486	1979	11	14.73889	02	48	59.51	+02	30	13.4	323
487	1977	11	21.58958	02	53	51.72	+00	30	15.3	323
487	1977	11	21.60625	02	53	50.86	+00	30	16.0	323
488	1978	12	06.70139	04	47	32.97	+18	54	32.0	323
500	1977	06	27.81806	21	19	44.73	-12	20	04.1	323
500	1977	07	27.71944	21	00	11.73	-10	53	48.3	323
500	1977	07	27.73611	21	00	10.72	-10	53	46.8	323
500	1977	08	30.59931	20	30	05.61	-10	33	33.5	323
500	1977	08	30.61528	20	30	04.97	-10	33	34.0	323
501	1977	02	14.82708	12	33	41.24	-04	16	48.5	323
501	1977	02	14.84722	12	33	40.69	-04	16	49.8	323
501	1977	03	15.75278	12	14	05.77	-04	16	05.9	323
501	1977	03	15.76944	12	14	04.92	-04	16	04.6	323
501	1978	08	03.50139	15	19	01.38	-43	49	27.8	323
501	1978	08	03.51806	15	19	01.92	-43	49	22.8	323
501	1978	10	05.48889	16	34	35.46	-41	02	09.6	323
502	1979	11	19.59514	03	53	24.61	-21	01	31.9	323
502	1979	11	19.61180	03	53	23.58	-21	01	33.8	323
502	1979	12	20.64583	03	25	09.85	-18	13	48.3	323

502	1979	12	20.66111	03	25	09.28	-18	13	37.3	323
502	1980	02	15.52847	03	38	13.90	-03	17	39.8	323
502	1980	02	15.55277	03	38	15.36	-03	17	15.4	323
510	1978	01	13.67212	09	55	58.78	+00	04	16.8	323
510	1978	03	08.64167	09	14	51.54	+04	15	13.2	323
510	1978	03	08.65833	09	14	50.94	+04	15	19.7	323
524	1977	03	25.70069	11	49	13.47	-06	44	50.3	323
524	1977	03	25.71736	11	49	12.56	-06	44	46.2	323
525	1977	03	30.64097	11	31	15.71	-01	20	37.9	323
525	1977	03	30.65764	11	31	14.74	-01	20	34.2	323
525	1979	12	20.72153	07	25	24.11	+10	58	58.3	323
525	1979	12	20.74583	07	25	23.05	+10	58	55.6	323
528	1976	11	22.54514	02	27	35.81	+12	47	57.2	323
528	1976	11	22.56285	02	27	35.16	+12	47	56.9	323
531	1975	10	01.78333	01	07	46.56	+09	31	05.1	323
532	1975	08	28.88750	01	26	13.46	-13	45	28.8	323
532	1975	08	28.90417	01	26	13.19	-13	45	36.0	323
532	1975	09	08.84861	01	22	02.19	-15	10	16.4	323
532	1975	09	08.86528	01	22	01.74	-15	10	24.5	323
532	1975	10	08.73472	01	01	08.91	-18	27	46.6	323
532	1975	10	08.76250	01	01	07.61	-18	27	55.9	323
532	1975	11	06.60278	00	40	28.50	-19	07	47.2	323
532	1975	11	06.61944	00	40	27.95	-19	07	45.7	323
532	1975	11	28.50694	00	33	38.41	-17	44	19.6	323
532	1975	11	28.52361	00	33	38.32	-17	44	12.6	323
532	1976	11	19.74167	06	05	49.74	+12	15	58.2	323
532	1976	11	19.75379	06	05	49.33	+12	15	59.3	323
532	1976	11	19.76424	06	05	48.87	+12	16	00.8	323
532	1976	12	16.64514	05	43	22.36	+13	38	18.5	323
532	1976	12	16.65313	05	43	21.87	+13	38	20.4	323
532	1976	12	16.65938	05	43	21.46	+13	38	22.3	323
532	1977	02	08.50694	05	08	30.48	+18	52	39.2	323
532	1977	02	08.51319	05	08	30.50	+18	52	41.1	323
532	1978	03	21.82153	15	43	10.71	+04	06	07.5	323
532	1978	03	21.83819	15	43	10.88	+04	06	13.7	323
532	1978	04	20.78264	15	34	51.71	+06	37	18.9	323
532	1978	06	06.60069	14	57	21.38	+04	53	03.4	323
532	1979	07	20.78125	22	31	17.34	-22	56	33.9	323
532	1979	07	20.81042	22	31	16.64	-22	56	49.0	323
532	1979	08	20.72500	22	10	15.38	-27	22	29.8	323
532	1979	08	21.60833	22	09	30.82	-27	28	58.0	323
532	1979	08	21.63194	22	09	29.55	-27	29	10.2	323
532	1979	08	22.62917	22	08	39.21	-27	36	15.4	323
532	1979	08	22.65347	22	08	37.55	-27	36	31.7	323
532	1979	11	05.50486	21	46	41.77	-28	11	47.3	323
532	1979	11	05.51632	21	46	42.12	-28	11	43.1	323
532	1979	11	07.56597	21	47	43.00	-28	01	53.8	323
532	1979	11	07.59549	21	47	43.87	-28	01	45.0	323
532	1979	11	07.60417	21	47	43.86	-28	01	42.9	323
532	1979	11	07.60764	21	47	43.98	-28	01	41.9	323
532	1979	11	07.61111	21	47	44.41	-28	01	41.4	323
532	1979	11	28.53472	22	02	01.18	-26	03	50.5	323
532	1979	11	28.53750	22	02	01.40	-26	03	47.7	323
532	1979	11	28.54028	22	02	01.16	-26	03	55.4	323
532	1979	11	28.54306	22	02	01.02	-26	03	50.9	323
532	1979	11	28.54583	22	02	01.57	-26	03	46.5	323
532	1980	11	13.71667	02	26	41.21	-08	34	31.1	323
532	1980	11	13.73333	02	26	40.36	-08	34	32.5	323
532	1980	11	18.59028	02	22	48.12	-08	32	43.6	323

532	1980	12	15.56319	02	08	07.72	-06	59	27.2	323
532	1980	12	15.56667	02	08	07.63	-06	59	25.5	323
532	1980	12	15.57014	02	08	07.58	-06	59	24.9	323
532	1980	12	22.57777	02	06	45.32	-06	15	46.4	323
532	1980	12	22.59097	02	06	45.26	-06	15	40.8	323
535	1978	02	15.82500	14	28	04.31	-06	13	54.3	323
535	1978	03	21.72292	14	30	51.56	-05	19	58.1	323
535	1978	04	12.72014	14	16	42.22	-03	57	49.8	323
535	1978	04	12.73681	14	16	41.26	-03	57	45.3	323
535	1978	07	21.44167	13	56	06.99	-07	44	04.3	323
535	1978	07	21.45833	13	56	07.80	-07	44	12.1	323
535	1978	07	28.46319	14	02	18.14	-08	38	53.7	323
535	1978	07	28.47986	14	02	18.93	-08	39	02.1	323
535	1978	08	03.47153	14	08	11.63	-09	27	21.1	323
535	1978	08	03.48368	14	08	12.38	-09	27	27.3	323
538	1976	05	03.73472	15	10	07.29	-08	17	30.6	323
538	1976	05	03.75139	15	10	06.53	-08	17	26.8	323
538	1976	06	01.61215	14	49	52.39	-07	02	14.0	323
538	1976	06	01.62917	14	49	51.60	-07	02	13.5	323
538	1978	09	05.80069	03	46	30.39	+12	13	58.3	323
538	1978	09	05.82153	03	46	31.01	+12	13	57.1	323
538	1978	10	27.75903	03	43	33.93	+09	44	06.6	323
538	1978	10	27.78299	03	43	32.95	+09	44	00.1	323
541	1978	02	02.68750	10	47	07.82	-00	51	36.1	323
541	1978	02	02.70417	10	47	07.17	-00	51	35.8	323
541	1978	03	02.70417	10	25	28.50	+00	31	05.9	323
541	1978	04	28.58611	10	04	27.19	+03	52	59.7	323
546	1979	07	17.79305	23	45	31.46	-18	04	17.2	323
547	1978	09	05.80069	03	47	16.49	+13	07	30.0	323
547	1978	09	05.82153	03	47	17.92	+13	07	21.1	323
551	1979	03	23.84236	18	54	53.70	-23	14	37.6	323
551	1979	03	23.86667	18	54	54.94	-23	14	35.8	323
551	1979	04	04.82569	19	04	27.53	-23	02	29.4	323
551	1979	04	05.85903	19	05	10.82	-23	01	30.1	323
551	1979	04	06.87014	19	05	52.10	-23	00	34.8	323
551	1979	04	20.86458	19	13	36.54	-22	49	38.3	323
551	1979	04	23.71111	19	14	44.68	-22	48	01.3	323
553	1977	09	08.76250	01	32	40.75	+00	20	14.0	323
553	1977	10	14.68125	01	04	46.77	-02	18	29.5	323
553	1977	10	14.69792	01	04	45.72	-02	18	32.3	323
553	1977	12	14.58125	00	48	07.61	+00	44	30.7	323
553	1977	12	14.59792	00	48	08.32	+00	44	39.1	323
556	1979	03	02.73681	12	05	01.44	-09	22	03.8	323
556	1979	03	02.76111	12	05	00.08	-09	21	57.7	323
556	1979	04	04.59167	11	36	08.13	-06	46	03.9	323
556	1979	04	04.61597	11	36	06.95	-06	45	54.2	323
556	1979	04	23.51736	11	25	49.21	-05	06	11.0	323
556	1979	04	23.54514	11	25	48.69	-05	06	02.8	323
556	1979	05	17.48611	11	26	31.49	-04	06	07.3	323
558	1980	07	07.48750	13	19	13.61	+01	04	30.6	323
558	1980	07	13.46111	13	23	07.98	+00	27	26.1	323
559	1978	07	28.84931	01	01	40.91	-04	24	23.6	323
559	1978	08	24.85347	01	03	49.73	-06	24	00.1	323
559	1978	08	29.86944	01	02	20.30	-06	56	06.0	323
559	1978	09	21.80417	00	48	57.96	-09	36	44.2	323
559	1978	09	21.82847	00	48	56.70	-09	36	55.8	323
559	1978	09	25.70625	00	45	55.69	-10	02	33.2	323
559	1978	09	25.73264	00	45	54.07	-10	02	45.6	323
559	1978	09	28.70417	00	43	31.13	-10	21	18.8	323

559	1978	09	28.73299	00	43	30.68	-10	21	24.2	323
559	1978	11	08.58264	00	16	51.05	-11	59	38.6	323
565	1979	09	17.72153	02	27	57.01	+20	35	48.0	323
565	1979	09	17.74583	02	27	56.68	+20	35	44.3	323
565	1979	10	22.65347	02	06	26.50	+17	10	49.4	323
565	1979	10	22.67777	02	06	25.26	+17	10	39.2	323
565	1979	10	24.65139	02	04	37.93	+16	53	10.1	323
565	1979	10	24.67222	02	04	36.78	+16	53	02.3	323
565	1979	11	26.66181	01	39	33.90	+11	59	14.8	323
565	1979	12	12.61042	01	35	58.00	+10	25	45.1	323
567	1977	07	12.48194	14	41	59.32	-16	32	12.7	323
567	1977	08	16.45000	15	03	09.87	-19	10	12.9	323
568	1976	02	08.71458	10	01	19.63	-16	45	44.4	323
568	1976	02	08.73160	10	01	18.91	-16	45	42.3	323
568	1976	02	09.69236	10	00	30.30	-16	45	14.0	323
568	1976	02	09.70903	10	00	29.44	-16	45	11.2	323
568	1976	03	22.58958	09	30	30.68	-13	01	01.0	323
568	1976	03	22.60625	09	30	30.31	-13	00	52.8	323
568	1978	06	02.81389	20	01	07.71	-05	25	44.8	323
568	1978	06	02.83056	20	01	07.50	-05	25	38.9	323
568	1978	10	05.52083	19	10	40.41	-04	44	57.9	323
568	1978	10	05.54688	19	10	41.32	-04	45	01.8	323
568	1980	11	07.82083	10	18	48.13	-06	28	07.3	323
572	1976	11	19.71389	05	12	13.08	+07	22	56.8	323
572	1976	11	19.73056	05	12	12.28	+07	22	48.6	323
574	1979	07	16.69514	19	43	47.18	-28	12	11.0	323
574	1979	07	16.71944	19	43	45.39	-28	12	12.0	323
582	1975	08	13.64931	18	58	24.19	+04	23	53.5	323
582	1975	08	13.66597	18	58	23.66	+04	23	41.6	323
582	1975	09	02.55625	18	52	02.69	+00	38	22.8	323
582	1975	09	02.57292	18	52	02.60	+00	38	10.8	323
582	1976	09	15.79583	01	04	24.75	-17	48	16.1	323
582	1976	09	15.81250	01	04	24.25	-17	48	32.9	323
582	1976	10	27.64236	00	34	11.44	-27	01	30.2	323
582	1976	10	27.65903	00	34	10.81	-27	01	36.4	323
582	1979	04	27.83819	18	56	51.89	+10	40	56.3	323
582	1979	04	27.86250	18	56	52.05	+10	41	08.1	323
582	1979	05	24.80208	18	51	53.16	+13	31	03.9	323
582	1979	05	24.81944	18	51	52.71	+13	31	09.2	323
582	1979	06	18.79375	18	34	49.13	+14	19	51.5	323
582	1979	06	18.81806	18	34	47.89	+14	19	50.5	323
582	1979	07	31.56389	18	01	45.08	+09	52	57.3	323
582	1979	07	31.58819	18	01	44.34	+09	52	44.2	323
582	1980	07	22.74149	23	35	10.42	-03	31	35.6	323
582	1980	08	18.77847	23	28	01.29	-08	37	41.9	323
582	1980	09	10.68056	23	11	49.62	-14	19	46.5	323
582	1980	09	10.68924	23	11	49.22	-14	19	53.7	323
582	1980	09	10.69618	23	11	48.88	-14	20	00.0	323
582	1980	09	10.70313	23	11	48.54	-14	20	06.0	323
582	1980	12	03.58750	23	02	21.54	-22	15	05.5	323
582	1980	12	03.60417	23	02	22.38	-22	15	02.3	323
585	1980	11	07.64236	02	24	56.93	+05	56	03.1	323
585	1980	11	07.66667	02	24	55.48	+05	55	56.6	323
585	1980	11	27.60972	02	09	23.56	+04	14	33.8	323
585	1980	11	27.62639	02	09	22.97	+04	14	30.5	323
585	1980	12	02.66042	02	06	44.57	+04	01	00.2	323
585	1980	12	02.67708	02	06	44.11	+04	00	58.7	323
590	1976	09	20.69028	00	47	30.68	-12	41	57.4	323
590	1976	09	20.70694	00	47	30.03	-12	42	03.7	323

590	1976	09	20.72014	00	47	29.40	-12	42	09.0	323
590	1976	09	20.73681	00	47	28.63	-12	42	15.4	323
590	1976	10	26.64236	00	21	55.95	-14	54	14.4	323
594	1978	02	02.64398	07	32	05.52	-07	12	20.8	323
594	1978	03	03.54653	07	14	04.50	+00	16	17.2	323
594	1979	05	24.89097	22	13	55.44	+07	48	06.0	323
594	1979	07	20.84549	22	37	14.33	+03	02	28.0	323
598	1976	06	07.60069	16	49	24.96	-16	49	39.2	323
598	1976	06	07.61736	16	49	23.94	-16	49	40.1	323
600	1976	07	26.79375	22	51	21.37	-09	35	17.6	323
600	1976	07	26.81042	22	51	21.09	-09	35	23.8	323
600	1976	08	18.72569	22	38	41.02	-12	37	49.2	323
600	1976	08	18.74236	22	38	40.30	-12	37	57.3	323
600	1976	09	21.54236	22	14	14.21	-16	55	31.1	323
600	1976	09	21.55903	22	14	13.67	-16	55	35.7	323
606	1976	06	01.72778	16	55	50.64	-34	51	15.0	323
606	1976	06	01.74444	16	55	49.53	-34	51	13.2	323
606	1976	07	02.63125	16	24	47.52	-32	49	18.9	323
606	1976	07	02.64792	16	24	46.86	-32	49	13.0	323
606	1976	07	16.49236	16	17	27.41	-31	35	21.9	323
606	1976	07	16.51111	16	17	27.00	-31	35	15.1	323
609	1979	02	02.59236	08	07	05.61	+16	11	22.5	323
609	1979	02	02.61667	08	07	04.40	+16	11	28.1	323
612	1979	10	23.71042	04	04	56.75	+06	38	53.3	323
612	1979	10	23.73576	04	04	55.85	+06	38	38.1	323
612	1979	10	24.70278	04	04	23.03	+06	29	06.8	323
612	1979	11	24.57361	03	41	07.80	+02	03	17.0	323
612	1979	11	24.59028	03	41	06.99	+02	03	10.2	323
612	1979	12	09.59722	03	30	16.58	+00	48	21.0	323
612	1979	12	09.61389	03	30	15.92	+00	48	16.8	323
612	1980	01	16.53472	03	21	11.59	+00	48	30.1	323
619	1980	01	09.76180	11	06	43.83	-05	49	49.1	323
619	1980	01	11.73889	11	06	51.56	-05	51	31.2	323
619	1980	02	08.82569	10	58	28.50	-04	42	53.5	323
619	1980	02	08.85000	10	58	27.58	-04	42	44.9	323
619	1980	03	12.63194	10	33	21.85	-00	01	58.2	323
619	1980	03	12.64861	10	33	21.06	-00	01	48.2	323
619	1980	04	09.52986	10	19	24.73	+04	13	09.5	323
619	1980	04	09.55417	10	19	24.44	+04	13	20.1	323
623	1978	06	13.74861	20	56	25.64	-22	36	03.1	323
627	1977	03	18.79722	14	14	23.92	-05	08	16.7	323
627	1977	03	18.81389	14	14	23.46	-05	08	09.1	323
627	1977	04	20.71944	13	53	42.33	-02	06	31.6	323
627	1977	04	20.73611	13	53	41.49	-02	06	25.9	323
628	1977	01	12.64236	05	46	52.26	+18	31	56.4	323
628	1977	01	12.65972	05	46	51.41	+18	32	01.8	323
628	1978	03	02.75625	13	39	16.74	+07	07	48.1	323
628	1978	03	02.77292	13	39	16.50	+07	07	56.2	323
628	1978	04	06.61111	13	18	09.76	+11	28	23.0	323
628	1978	04	06.62778	13	18	08.72	+11	28	27.8	323
629	1980	04	23.79653	16	15	32.34	-14	19	41.2	323
629	1980	06	10.65486	15	39	06.60	-13	54	57.6	323
630	1976	07	05.63542	17	59	13.07	-19	23	03.4	323
630	1976	07	05.65208	17	59	11.84	-19	23	08.1	323
634	1977	07	26.78889	22	04	18.72	-13	48	47.1	323
634	1977	09	01.63889	21	40	57.18	-19	19	36.6	323
634	1977	09	01.65556	21	40	56.54	-19	19	41.6	323
639	1979	04	27.57361	12	16	49.04	-14	43	20.2	323
640	1978	05	09.45417	09	36	51.71	-00	28	28.9	323

640	1978	05	09.47222	09	36	52.29	-00	28	26.4	323
640	1978	05	12.48472	09	38	36.24	-00	22	28.9	323
640	1978	05	25.47014	09	47	35.64	-00	08	45.0	323
640	1978	05	25.48819	09	47	36.38	-00	08	45.6	323
654	1978	06	16.46458	13	04	35.50	-28	40	34.9	323
654	1978	06	16.50625	13	04	37.42	-28	40	11.8	323
658	1977	04	20.76528	16	36	01.16	-23	59	22.3	323
658	1977	06	23.54792	15	48	14.60	-22	10	52.7	323
658	1977	06	23.56493	15	48	13.94	-22	10	49.6	323
659	1980	03	20.72361	13	22	28.29	-11	29	43.3	323
659	1980	03	21.73542	13	22	02.71	-11	27	49.7	323
675	1976	06	07.56389	16	27	24.29	-24	41	55.0	323
675	1976	06	07.58125	16	27	23.36	-24	41	51.1	323
675	1977	09	08.62153	21	37	43.47	+01	33	51.7	323
675	1977	09	08.63819	21	37	42.70	+01	33	49.1	323
696	1979	03	02.63542	09	43	12.33	+03	02	36.2	323
703	1979	01	08.73611	10	03	24.51	+07	48	35.8	323
703	1979	02	05.73403	09	40	59.47	+09	30	18.9	323
703	1979	02	05.75833	09	40	57.94	+09	30	26.1	323
703	1979	02	23.60625	09	22	14.73	+11	15	07.2	323
703	1979	02	23.63056	09	22	13.30	+11	15	15.3	323
703	1979	03	23.54306	09	05	49.69	+13	14	54.2	323
704	1975	11	28.77847	07	29	10.04	+23	31	10.4	323
704	1975	12	11.63611	07	21	19.39	+22	47	00.8	323
704	1975	12	11.65278	07	21	18.52	+22	46	56.8	323
704	1976	01	04.63889	06	58	55.15	+21	22	42.0	323
704	1976	01	04.65556	06	58	54.00	+21	22	38.0	323
704	1976	02	23.52083	06	27	45.53	+18	39	48.4	323
704	1976	02	23.52674	06	27	45.50	+18	39	47.7	323
704	1977	01	13.83403	11	26	28.28	-16	15	04.4	323
704	1977	01	13.84861	11	26	28.15	-16	15	08.5	323
704	1977	02	16.73611	11	11	56.16	-18	18	12.0	323
704	1977	02	16.75278	11	11	55.35	-18	18	12.2	323
704	1977	03	15.68819	10	50	51.55	-17	24	55.2	323
704	1977	03	15.70489	10	50	50.73	-17	24	48.0	323
704	1977	04	15.52361	10	33	09.46	-14	35	31.8	323
704	1977	04	15.54028	10	33	09.03	-14	35	22.8	323
704	1978	03	21.79236	15	36	47.59	-37	10	02.6	323
704	1978	04	20.74653	15	24	36.00	-37	37	56.5	323
704	1978	05	04.70486	15	13	11.96	-37	01	05.4	323
704	1978	05	04.72153	15	13	10.89	-37	00	59.6	323
704	1978	06	09.64583	14	44	33.06	-33	10	43.6	323
704	1978	06	09.66250	14	44	32.47	-33	10	33.9	323
704	1979	05	15.83750	21	04	21.78	-11	32	40.7	323
704	1979	07	16.86528	20	56	59.40	-04	31	03.0	323
704	1979	07	30.81354	20	45	02.95	-03	44	10.0	323
704	1979	08	01.68056	20	43	21.07	-03	39	45.3	323
704	1979	08	01.70486	20	43	19.63	-03	39	41.2	323
704	1979	09	11.72917	20	14	32.79	-03	28	15.8	323
704	1979	09	17.59028	20	13	16.35	-03	33	38.1	323
704	1979	09	17.59514	20	13	16.32	-03	33	37.7	323
704	1979	11	28.51528	21	00	52.33	-02	17	29.2	323
704	1979	11	28.51806	21	00	52.48	-02	17	28.4	323
704	1979	11	28.52083	21	00	52.78	-02	17	24.5	323
704	1979	11	28.52361	21	00	52.96	-02	17	26.4	323
710	1979	07	16.77431	20	49	13.19	-17	02	32.8	323
710	1979	07	16.79861	20	49	12.25	-17	02	36.1	323
716	1980	03	18.50555	08	35	58.12	+18	06	14.6	323
716	1980	03	20.50972	08	35	52.05	+18	12	52.7	323

716	1980	04	10.47778	08	41	13.46	+18	50	58.6	323
723	1978	09	06.80417	00	42	46.25	+02	05	55.1	323
733	1979	05	01.84583	17	45	18.85	-49	41	21.9	323
733	1979	05	01.87014	17	45	17.30	-49	41	29.9	323
733	1979	06	06.68542	17	15	51.72	-51	31	25.6	323
733	1979	06	06.70278	17	15	50.59	-51	31	24.9	323
733	1979	07	17.64444	16	39	27.33	-48	29	44.6	323
737	1975	11	28.71042	07	20	53.73	+05	19	45.4	323
737	1975	11	28.75069	07	20	53.32	+05	19	42.0	323
737	1975	12	10.75069	07	13	51.10	+04	49	35.9	323
737	1975	12	10.76736	07	13	50.39	+04	49	34.5	323
737	1975	12	29.72083	06	57	45.26	+04	43	34.5	323
737	1975	12	29.73750	06	57	44.33	+04	43	36.8	323
737	1976	01	23.61667	06	35	33.59	+05	53	23.2	323
737	1976	01	23.63229	06	35	32.91	+05	53	27.4	323
737	1976	02	03.60278	06	28	26.06	+06	44	01.7	323
737	1976	02	03.61944	06	28	25.54	+06	44	06.4	323
738	1977	02	23.68819	10	11	13.70	+13	08	12.2	323
738	1977	02	23.70486	10	11	12.90	+13	08	18.1	323
738	1977	03	16.58819	09	56	37.27	+14	45	42.1	323
738	1977	03	16.60486	09	56	36.72	+14	45	46.0	323
744	1978	09	06.74236	00	25	36.55	-04	02	20.9	323
744	1978	09	06.76319	00	25	35.87	-04	02	27.8	323
754	1979	11	15.72153	02	47	02.18	-09	56	37.1	323
754	1979	11	15.73819	02	47	01.49	-09	56	43.1	323
754	1980	01	22.54722	02	37	27.25	-08	10	21.4	323
754	1980	01	22.56389	02	37	27.92	-08	10	13.1	323
756	1977	03	11.60382	10	09	29.24	-12	03	58.5	323
756	1977	03	11.60382	10	09	29.24	-12	04	04.1	323
756	1977	03	21.56319	10	04	09.19	-10	19	49.2	323
756	1977	03	21.57951	10	04	08.79	-10	19	36.8	323
756	1977	04	15.48681	09	59	26.91	-05	57	48.7	323
756	1977	04	15.50347	09	59	27.06	-05	57	38.4	323
758	1978	11	30.80139	08	50	01.48	+18	31	00.9	323
758	1978	12	06.79792	08	50	43.90	+18	39	57.6	323
758	1978	12	29.80069	08	44	58.05	+19	51	31.1	323
758	1979	01	05.64514	08	40	51.15	+20	22	01.8	323
758	1979	01	19.76319	08	30	01.87	+21	30	06.1	323
758	1979	01	26.69444	08	24	09.77	+22	02	47.7	323
763	1979	04	02.71806	13	18	59.91	-15	24	04.8	323
771	1977	09	01.53194	20	50	23.66	+04	31	58.5	323
771	1977	09	01.54861	20	50	23.20	+04	31	52.3	323
771	1977	10	06.47014	20	40	32.20	+00	05	35.8	323
771	1977	11	15.55347	21	04	33.26	-02	51	17.0	323
771	1977	11	15.56979	21	04	34.11	-02	51	19.2	323
775	1977	02	24.59167	09	43	27.76	+05	48	59.4	323
775	1977	02	24.60833	09	43	26.94	+05	49	01.5	323
775	1977	03	16.56319	09	29	35.64	+06	32	13.9	323
780	1978	09	28.84479	03	42	10.39	-05	36	17.4	323
780	1978	10	23.74306	03	33	13.84	-08	56	20.5	323
780	1978	10	23.75729	03	33	13.27	-08	56	25.6	323
780	1979	01	15.53542	02	56	37.67	-06	16	45.3	323
780	1979	01	15.55625	02	56	37.98	-06	16	35.4	323
791	1979	03	01.77361	12	24	52.94	+14	29	56.0	323
791	1979	03	01.79618	12	24	52.28	+14	30	05.1	323
791	1979	04	04.64375	12	02	30.22	+18	13	40.3	323
791	1979	04	04.66806	12	02	29.28	+18	13	46.5	323
791	1980	04	10.88403	16	49	19.11	-01	40	54.3	323
791	1980	04	14.81250	16	48	55.47	-01	22	08.7	323

791	1980	07	04.55556	15	59	48.05	-01	01	00.0	323
791	1980	07	08.61111	15	58	23.61	-01	26	34.6	323
794	1975	07	31.69306	20	37	42.49	-13	01	10.0	323
794	1975	07	31.70972	20	37	41.76	-13	01	14.9	323
794	1975	08	01.76493	20	36	56.94	-13	06	58.9	323
794	1975	09	09.52062	20	20	24.27	-16	19	01.4	323
794	1975	09	26.49861	20	24	41.70	-17	00	47.2	323
812	1980	09	04.73993	23	27	56.83	-13	36	09.3	323
812	1980	09	04.75833	23	27	55.75	-13	36	09.1	323
812	1980	10	30.62014	22	50	21.37	-09	09	19.3	323
821	1977	09	08.58958	21	27	23.38	-07	25	37.2	323
821	1977	09	08.60660	21	27	22.74	-07	25	42.9	323
822	1977	03	11.72292	12	54	12.40	-06	23	29.2	323
822	1977	04	15.62986	12	22	19.46	-02	46	42.9	323
822	1977	04	15.64653	12	22	18.63	-02	46	35.9	323
822	1977	05	19.57326	12	10	57.54	-01	18	22.3	323
823	1980	09	10.60000	22	14	37.87	-04	10	44.1	323
823	1980	09	26.48611	22	02	50.80	-05	37	18.8	323
824	1976	02	02.61319	07	55	37.25	+16	49	17.1	323
824	1976	02	02.62986	07	55	36.49	+16	49	22.5	323
826	1975	08	14.73681	22	28	29.54	+02	58	25.7	323
826	1975	08	14.75347	22	28	28.77	+02	58	21.6	323
826	1975	09	02.66458	22	13	19.28	+01	17	37.4	323
826	1975	09	02.68125	22	13	18.45	+01	17	29.2	323
826	1979	05	02.74097	17	12	39.85	-20	24	32.1	323
826	1979	05	02.76389	17	12	39.66	-20	24	25.3	323
827	1980	04	11.62222	12	03	25.12	+01	12	54.7	323
833	1977	05	19.64653	14	07	27.44	-24	18	14.4	323
835	1977	04	22.64117	13	02	47.91	-11	58	29.4	323
836	1980	04	11.73750	14	46	40.59	-13	54	38.1	323
841	1980	08	15.67014	21	27	50.01	-18	52	02.8	323
841	1980	08	15.69444	21	27	48.42	-18	52	05.1	323
841	1980	09	02.55903	21	10	29.19	-19	33	57.9	323
850	1979	04	05.79861	17	17	49.27	-05	08	20.1	323
850	1979	04	05.82292	17	17	49.76	-05	08	13.3	323
850	1979	05	04.83403	17	17	55.22	-03	42	41.0	323
850	1979	06	06.64306	16	55	40.90	-03	51	14.7	323
850	1979	06	06.65833	16	55	40.04	-03	51	18.0	323
850	1980	09	04.77222	00	27	18.10	-16	55	31.8	323
850	1980	09	04.78889	00	27	17.54	-16	55	40.1	323
850	1980	10	06.63125	00	04	46.06	-20	28	09.9	323
850	1980	10	06.65555	00	04	45.08	-20	28	14.6	323
864	1980	09	11.73333	22	41	55.64	-08	36	24.1	323
864	1980	09	11.75764	22	41	54.66	-08	36	38.5	323
865	1977	01	14.64236	07	41	49.87	-02	09	11.3	323
865	1977	01	14.65903	07	41	49.12	-02	09	05.2	323
865	1977	01	19.63750	07	37	32.64	-01	31	58.7	323
865	1977	01	19.65417	07	37	31.78	-01	31	51.5	323
865	1977	03	09.48819	07	26	35.60	+08	11	17.5	323
865	1977	03	09.50486	07	26	36.25	+08	11	29.0	323
865	1977	03	21.48056	07	36	02.56	+10	12	29.5	323
865	1977	03	21.49722	07	36	03.42	+10	12	39.7	323
870	1978	12	29.68542	04	08	18.36	+14	06	17.2	323
870	1978	12	29.70972	04	08	17.42	+14	06	22.0	323
871	1980	04	15.72361	15	30	27.38	-11	33	31.8	323
871	1980	04	15.74792	15	30	26.73	-11	33	23.5	323
874	1976	11	19.79375	06	59	17.52	+08	26	36.2	323
874	1976	12	23.74583	06	39	50.62	+07	14	19.8	323
874	1976	12	23.76250	06	39	49.91	+07	14	17.6	323

874	1977	01	11.63958	06	24	39.94	+07	30	32.3	323
874	1977	01	11.65625	06	24	40.75	+07	30	30.2	323
874	1977	01	26.55347	06	14	50.69	+08	09	43.8	323
874	1977	01	26.57014	06	14	50.12	+08	09	46.6	323
880	1975	12	29.68646	06	01	04.99	+19	27	37.5	323
880	1975	12	29.70278	06	01	03.92	+19	27	32.9	323
881	1976	08	25.49444	18	34	56.15	-13	38	42.0	323
881	1976	08	25.51111	18	34	56.35	-13	38	38.3	323
894	1980	11	07.64236	02	27	17.75	+05	04	31.1	323
894	1980	11	07.66667	02	27	16.57	+05	04	25.5	323
899	1979	12	27.71944	09	50	02.28	-01	47	05.2	323
899	1979	12	27.74375	09	50	01.93	-01	47	12.6	323
899	1980	01	22.71111	09	36	39.24	-02	45	21.7	323
899	1980	01	22.73542	09	36	38.03	-02	45	20.6	323
899	1980	01	25.65451	09	34	25.05	-02	44	41.0	323
899	1980	01	25.67153	09	34	24.14	-02	44	36.5	323
899	1980	02	14.66319	09	17	44.78	-02	02	45.5	323
899	1980	02	14.68750	09	17	43.46	-02	02	40.1	323
899	1980	03	12.49583	08	59	39.08	-00	02	20.0	323
899	1980	03	12.50201	08	59	38.44	-00	02	13.4	323
900	1979	02	06.73819	10	03	49.73	+01	02	15.3	323
900	1979	03	27.57431	09	28	50.30	+07	20	54.8	323
905	1980	06	18.59549	17	08	26.55	-29	40	25.7	323
906	1977	09	19.81597	02	19	05.00	+08	03	45.4	323
906	1977	11	30.60417	01	25	37.74	+08	04	35.1	323
908	1979	04	04.82569	19	07	08.13	-22	21	24.6	323
908	1979	04	05.85903	19	08	02.45	-22	22	55.5	323
908	1979	04	06.87014	19	08	54.27	-22	24	28.8	323
908	1979	04	23.76389	19	20	30.38	-22	57	52.3	323
908	1979	05	03.85382	19	24	29.17	-23	27	14.6	323
909	1976	08	20.79236	00	13	29.58	-09	49	05.8	323
909	1976	08	20.80903	00	13	29.42	-09	49	14.6	323
909	1976	09	15.72222	00	01	15.30	-13	45	49.5	323
909	1976	09	15.73889	00	01	14.64	-13	45	58.7	323
909	1976	10	15.58056	23	44	23.40	-17	07	04.6	323
909	1976	10	15.59725	23	44	22.94	-17	07	09.0	323
910	1980	07	03.60649	14	42	12.19	-19	04	33.4	323
927	1975	10	01.78333	01	02	30.15	+09	13	24.4	323
933	1980	09	19.83542	02	47	24.06	+08	29	04.4	323
933	1980	10	07.77431	02	39	38.43	+06	56	20.6	323
933	1980	10	10.70139	02	37	35.45	+06	38	37.7	323
933	1980	10	10.72569	02	37	34.44	+06	38	33.1	323
933	1980	10	16.69375	02	32	50.63	+06	01	31.5	323
933	1980	10	16.71805	02	32	49.40	+06	01	23.0	323
937	1979	04	02.54861	10	06	02.73	+06	00	24.2	323
937	1979	04	02.57292	10	06	02.08	+06	00	30.4	323
937	1980	08	11.87431	23	26	07.39	+04	48	21.5	323
939	1980	06	09.57604	14	37	01.07	-19	58	13.7	323
939	1980	06	18.52882	14	33	14.83	-19	27	50.7	323
942	1980	04	15.72361	15	25	37.55	-12	18	17.0	323
942	1980	04	15.74792	15	25	36.74	-12	18	14.9	323
947	1977	04	14.73681	15	00	07.20	-15	44	58.7	323
947	1977	04	14.75417	15	00	06.53	-15	44	51.9	323
947	1978	06	02.90451	20	55	46.72	-25	38	47.5	323
947	1978	10	05.56944	20	08	18.81	-28	50	11.0	323
947	1978	10	05.59375	20	08	19.76	-28	50	01.5	323
949	1979	06	18.72986	17	47	00.20	-37	35	57.3	323
949	1979	06	18.75417	17	46	58.61	-37	35	51.6	323
949	1979	07	23.60694	17	20	38.99	-34	35	23.9	323

949	1979	07	23.63125	17	20	38.36	-34	35	14.3	323
949	1979	07	31.51701	17	19	07.01	-33	46	45.5	323
949	1979	07	31.54097	17	19	06.90	-33	46	36.7	323
955	1979	02	21.80139	13	32	30.49	-13	54	25.4	323
955	1979	02	21.82569	13	32	30.49	-13	54	35.9	323
955	1979	03	02.78472	13	32	04.26	-14	53	24.7	323
955	1979	03	02.80903	13	32	04.02	-14	53	32.5	323
955	1979	04	05.62431	13	08	33.77	-17	04	20.0	323
955	1979	04	05.64861	13	08	31.75	-17	04	24.9	323
955	1979	07	05.48750	12	54	35.90	-18	40	19.2	323
956	1977	10	17.75278	02	29	39.69	+10	53	36.4	323
956	1977	10	17.76979	02	29	38.71	+10	53	26.6	323
956	1977	11	30.62986	01	56	21.12	+06	13	00.8	323
956	1977	12	01.52813	01	56	07.05	+06	10	54.0	323
956	1977	12	02.69653	01	55	51.22	+06	08	53.0	323
961	1977	05	19.61042	13	31	32.54	-13	02	56.1	323
961	1977	05	19.62708	13	31	31.92	-13	02	56.1	323
964	1979	07	20.79410	22	28	17.07	-22	56	07.0	323
967	1977	09	01.79167	23	26	24.40	-16	00	50.2	323
967	1977	10	12.58056	22	58	15.65	-17	13	35.4	323
976	1979	02	21.84514	12	08	21.34	-12	02	55.8	323
976	1979	02	21.86319	12	08	20.70	-12	02	57.5	323
976	1979	02	23.71250	12	07	30.11	-12	00	34.6	323
976	1979	03	23.68819	11	49	22.05	-10	11	29.9	323
976	1979	03	23.71250	11	49	20.93	-10	11	20.7	323
976	1979	04	06.59722	11	40	02.65	-08	43	45.1	323
976	1979	05	02.57778	11	30	46.74	-06	12	57.0	323
979	1979	08	20.85417	02	48	36.33	+21	36	52.7	323
979	1979	08	20.87847	02	48	37.27	+21	36	57.0	323
979	1979	08	22.76375	02	49	45.28	+21	40	11.8	323
979	1979	10	12.70779	02	49	09.56	+20	17	19.6	323
979	1979	10	12.73681	02	49	08.52	+20	17	11.2	323
979	1979	10	22.69931	02	42	28.79	+19	19	32.6	323
979	1979	10	22.72361	02	42	27.61	+19	19	25.8	323
986	1978	12	29.68542	04	12	38.55	+14	06	16.7	323
986	1978	12	29.70972	04	12	37.54	+14	06	24.8	323
997	1979	04	27.57361	12	14	37.33	-14	42	24.9	323
1011	1980	03	21.83056	15	43	30.86	-11	13	14.9	323
1011	1980	04	15.77292	15	32	53.78	-09	20	22.0	323
1011	1980	04	15.79722	15	32	52.68	-09	20	14.9	323
1030	1976	11	22.60764	03	20	00.02	+03	27	10.3	323
1030	1976	11	22.62431	03	19	59.28	+03	27	06.0	323
1030	1976	12	23.57222	03	02	44.95	+02	21	27.1	323
1030	1979	02	23.85903	15	29	00.78	-11	32	45.6	323
1030	1979	02	23.87153	15	29	01.25	-11	32	42.4	323
1030	1979	03	20.79097	15	39	50.45	-09	29	04.2	323
1030	1979	03	20.81528	15	39	50.50	-09	28	56.8	323
1030	1979	07	29.52222	15	05	34.08	-02	46	50.5	323
1030	1979	07	29.54653	15	05	34.97	-02	46	59.8	323
1036	1976	06	17.56042	15	30	39.61	+06	46	36.3	323
1036	1976	06	17.57708	15	30	39.24	+06	46	43.5	323
1041	1976	11	18.69792	02	12	48.34	+05	52	29.4	323
1041	1976	11	18.71458	02	12	47.56	+05	52	32.5	323
1041	1976	12	22.52361	01	59	44.76	+08	37	31.8	323
1041	1976	12	22.54028	01	59	44.80	+08	37	40.2	323
1041	1977	01	11.52431	02	05	58.77	+11	04	50.9	323
1041	1977	01	11.54097	02	05	59.32	+11	05	00.3	323
1041	1977	01	14.52292	02	07	43.02	+11	29	01.7	323
1041	1977	01	14.53958	02	07	43.55	+11	29	12.6	323

1043	1980	06	09.66111	17	17	43.79	-09	54	30.2	323
1043	1980	06	09.68542	17	17	42.62	-09	54	29.2	323
1049	1979	07	24.73611	21	25	00.58	-28	44	16.0	323
1064	1979	08	01.83194	23	45	05.51	+12	01	38.6	323
1064	1979	08	01.85694	23	45	05.35	+12	01	50.5	323
1064	1979	10	17.65278	22	56	29.72	+09	48	50.6	323
1064	1979	10	17.67708	22	56	29.35	+09	48	41.2	323
1064	1979	11	20.58403	23	04	53.67	+07	36	28.3	323
1064	1979	11	20.60208	23	04	54.47	+07	36	27.4	323
1068	1979	02	22.75556	14	01	15.96	-18	43	29.6	323
1068	1979	03	20.74167	13	57	32.51	-19	48	17.1	323
1068	1979	04	02.76111	13	49	32.39	-19	41	33.7	323
1068	1979	04	02.78542	13	49	31.24	-19	41	32.0	323
1068	1979	04	04.71250	13	48	04.56	-19	38	10.1	323
1068	1979	04	04.73681	13	48	03.40	-19	38	06.5	323
1068	1979	04	05.68333	13	47	19.74	-19	36	16.0	323
1068	1979	04	05.71181	13	47	18.31	-19	36	10.8	323
1069	1976	12	23.78333	08	41	47.97	+10	10	56.4	323
1069	1977	01	10.71944	08	31	53.75	+11	30	15.2	323
1069	1977	02	07.61528	08	10	20.80	+14	36	49.4	323
1069	1977	02	07.63194	08	10	20.08	+14	36	58.7	323
1069	1977	03	09.55764	07	57	01.64	+17	44	24.4	323
1082	1979	01	23.68889	08	22	19.20	+18	21	05.6	323
1082	1979	01	23.70972	08	22	18.13	+18	21	10.0	323
1082	1979	02	02.64583	08	14	16.28	+18	51	22.8	323
1082	1979	02	05.69444	08	11	55.14	+19	00	04.1	323
1083	1980	12	10.67361	04	17	52.71	+19	52	54.3	323
1083	1980	12	10.69792	04	17	51.08	+19	52	56.5	323
1084	1979	02	05.73403	09	43	03.07	+09	24	08.8	323
1084	1979	02	05.75833	09	43	01.84	+09	24	15.4	323
1084	1979	02	23.60625	09	27	42.84	+10	56	10.9	323
1084	1979	02	23.63056	09	27	41.64	+10	56	18.4	323
1088	1979	08	14.76597	22	39	32.82	-26	09	57.1	323
1089	1979	10	12.51319	19	15	32.99	-25	57	14.2	323
1098	1979	01	26.79583	11	53	49.21	-04	20	58.3	323
1098	1979	02	23.66250	11	37	56.67	-05	18	51.6	323
1098	1979	03	20.63611	11	14	15.45	-04	43	01.9	323
1098	1979	03	20.66042	11	14	13.94	-04	42	58.1	323
1098	1979	03	23.63681	11	11	29.47	-04	35	25.6	323
1098	1979	03	23.66111	11	11	28.14	-04	35	21.6	323
1105	1979	06	29.79097	20	52	21.82	-18	07	00.4	323
1105	1979	06	29.81701	20	52	21.15	-18	07	09.4	323
1105	1979	08	02.75069	20	29	57.62	-21	56	02.4	323
1105	1979	08	02.77500	20	29	56.38	-21	56	12.9	323
1108	1978	06	06.56389	14	19	34.17	-13	55	55.1	323
1108	1978	06	06.58056	14	19	33.81	-13	55	38.1	323
1108	1978	06	27.55903	14	18	58.07	-09	09	59.1	323
1108	1978	06	27.57569	14	18	58.37	-09	09	49.2	323
1108	1978	09	05.47222	15	38	38.45	-06	06	40.7	323
1108	1979	09	28.84653	05	16	36.08	+21	46	42.1	323
1108	1979	10	02.85868	05	18	05.35	+21	14	07.8	323
1108	1979	11	15.75278	05	01	35.57	+13	34	01.1	323
1108	1979	11	15.76944	05	01	34.68	+13	33	50.4	323
1108	1979	12	20.68403	04	24	56.91	+07	45	32.6	323
1108	1979	12	20.70069	04	24	56.15	+07	45	26.4	323
1108	1980	01	16.56736	04	10	34.66	+05	54	53.0	323
1110	1978	12	03.69653	04	39	45.44	+20	28	37.6	323
1110	1978	12	04.69653	04	38	33.18	+20	23	29.6	323
1110	1978	12	20.59618	04	21	22.35	+19	07	44.2	323

1123	1978	11	22.71944	04	47	15.94	+19	18	08.7	323
1123	1978	11	27.68888	04	41	42.31	+19	33	28.2	323
1123	1978	11	28.70764	04	40	31.63	+19	36	37.1	323
1123	1978	11	29.76319	04	39	17.65	+19	39	56.3	323
1123	1978	11	30.69306	04	38	12.47	+19	42	46.0	323
1123	1978	12	03.69653	04	34	40.98	+19	52	04.4	323
1123	1978	12	04.69653	04	33	30.71	+19	55	09.5	323
1123	1978	12	06.74878	04	31	07.40	+20	01	30.5	323
1128	1976	05	07.65554	14	18	25.32	-13	17	53.2	323
1128	1976	05	25.55556	14	05	42.66	-12	19	50.4	323
1128	1976	05	25.57222	14	05	42.12	-12	19	48.6	323
1128	1976	06	01.58021	14	02	19.76	-12	05	03.1	323
1128	1976	07	02.51667	14	01	24.12	-12	12	47.0	323
1136	1978	08	29.76875	23	37	29.08	+10	52	04.8	323
1136	1978	08	29.78958	23	37	28.41	+10	51	56.3	323
1136	1978	09	25.63958	23	23	09.72	+06	36	22.4	323
1136	1978	09	25.66042	23	23	08.59	+06	36	07.0	323
1136	1979	01	24.53750	01	11	31.48	+04	50	27.7	323
1146	1976	02	03.63715	09	55	42.85	-10	27	00.2	323
1146	1976	02	03.66111	09	55	42.11	-10	26	58.0	323
1146	1976	02	23.61736	09	40	43.41	-09	03	28.1	323
1146	1976	02	23.63542	09	40	42.61	-09	03	21.3	323
1146	1976	03	22.55486	09	23	45.09	-05	38	08.0	323
1146	1976	03	22.57153	09	23	44.73	-05	38	00.6	323
1146	1977	04	21.81736	17	14	37.21	-11	30	08.0	323
1146	1977	04	21.83403	17	14	37.26	-11	29	56.3	323
1146	1977	07	12.58681	16	36	09.33	-00	29	56.3	323
1146	1977	07	12.64931	16	36	08.68	-00	29	57.7	323
1162	1979	05	18.67500	14	58	19.52	-17	25	34.7	323
1163	1980	11	27.67292	05	11	51.16	+12	36	15.7	323
1165	1980	04	14.72222	15	41	37.77	-12	21	57.3	323
1165	1980	04	14.74653	15	41	37.23	-12	21	46.8	323
1165	1980	09	02.47291	15	40	58.62	-09	10	41.6	323
1167	1979	07	20.46667	13	27	24.72	-09	30	20.2	323
1168	1979	08	14.82847	23	43	50.55	+18	21	18.3	323
1168	1979	08	20.75625	23	42	54.02	+18	20	22.3	323
1168	1979	08	20.78056	23	42	53.48	+18	20	21.3	323
1168	1979	10	24.61319	23	16	48.07	+06	59	12.8	323
1168	1979	11	08.59722	23	22	26.95	+04	34	38.3	323
1168	1979	11	08.62153	23	22	27.85	+04	34	26.2	323
1175	1979	02	22.65208	10	33	36.45	-14	37	30.1	323
1175	1979	02	22.67639	10	33	35.30	-14	37	24.6	323
1175	1979	03	19.55417	10	16	37.24	-12	19	25.7	323
1175	1979	04	04.49236	10	09	25.89	-10	23	12.3	323
1175	1979	04	04.51667	10	09	25.41	-10	23	01.4	323
1182	1979	05	24.76389	18	11	26.08	-38	04	59.2	323
1182	1979	05	24.78125	18	11	25.30	-38	05	01.8	323
1187	1978	02	16.74734	11	45	38.22	-04	33	48.1	323
1187	1978	03	31.61042	11	07	41.64	-02	40	42.2	323
1187	1978	03	31.62708	11	07	40.90	-02	40	37.2	323
1187	1980	08	14.76389	22	51	22.50	-05	07	40.1	323
1187	1980	08	14.78542	22	51	21.46	-05	07	39.4	323
1187	1980	09	04.66736	22	31	05.12	-04	51	57.2	323
1187	1980	09	08.71111	22	26	55.52	-04	51	11.1	323
1187	1980	09	09.71042	22	25	55.02	-04	51	01.1	323
1187	1980	10	07.61042	22	05	54.65	-04	32	18.7	323
1191	1977	09	01.56806	21	09	12.32	-20	07	45.1	323
1191	1977	09	01.58472	21	09	11.75	-20	07	53.0	323
1191	1977	10	13.61181	21	02	09.38	-23	02	40.9	323

1191	1978 09 05.75069	03 24 56.66	-03 57 10.1	323
1191	1978 09 05.77153	03 24 56.73	-03 57 19.5	323
1191	1978 10 27.70208	03 11 12.34	-10 12 01.3	323
1191	1978 10 27.72465	03 11 11.36	-10 12 09.2	323
1191	1978 11 29.63819	02 45 41.63	-11 12 00.1	323
1191	1978 11 29.66076	02 45 40.75	-11 11 56.9	323
1191	1979 01 27.59861	02 42 50.12	-04 22 30.9	323
1193	1979 07 31.66424	21 36 48.55	-38 34 00.1	323
1193	1979 07 31.68819	21 36 47.02	-38 34 10.3	323
1193	1979 09 27.66597	20 55 52.47	-37 03 38.4	323
1193	1979 09 27.69028	20 55 52.60	-37 03 24.6	323
1195	1978 02 07.69930	09 08 41.17	+08 41 07.2	323
1200	1977 01 13.80903	10 28 39.62	+03 49 43.5	323
1200	1977 03 15.59028	09 49 44.88	+07 50 08.2	323
1200	1977 03 15.60694	09 49 44.33	+07 50 13.4	323
1200	1978 06 02.69375	16 29 22.15	-16 36 27.7	323
1200	1978 06 02.69653	16 29 23.03	-16 36 31.0	323
1200	1978 08 21.51111	16 21 29.61	-16 45 04.3	323
1200	1978 08 21.52778	16 21 30.38	-16 45 07.0	323
1206	1978 05 04.73819	16 19 46.85	-41 24 27.0	323
1206	1978 05 04.75486	16 19 46.03	-41 24 28.2	323
1206	1978 06 06.63403	15 47 02.52	-40 21 38.2	323
1206	1978 06 06.65069	15 47 01.53	-40 21 32.8	323
1206	1978 07 10.55625	15 30 04.34	-36 33 25.9	323
1209	1980 10 30.65694	01 48 21.91	+02 00 53.6	323
1209	1980 10 30.68125	01 48 20.87	+02 00 50.9	323
1222	1977 01 20.69826	08 09 25.10	-03 45 30.6	323
1222	1977 02 08.62500	07 53 35.83	-03 12 08.3	323
1229	1978 12 27.64028	04 11 07.66	+20 00 35.8	323
1239	1978 09 06.80417	00 45 44.34	+02 17 34.2	323
1243	1973 12 19.71597	07 22 19.72	+10 29 40.4	323
1243	1973 12 19.73264	07 22 18.89	+10 29 37.1	323
1243	1973 12 27.68958	07 16 06.27	+10 10 35.9	323
1243	1973 12 27.70625	07 16 05.45	+10 10 34.0	323
1243	1973 12 29.71250	07 14 25.62	+10 06 43.7	323
1243	1973 12 29.72917	07 14 24.76	+10 06 41.2	323
1246	1980 12 17.79167	09 28 41.87	+08 50 07.6	323
1248	1976 06 07.63472	17 22 24.22	-23 15 04.7	323
1248	1976 06 07.65208	17 22 23.15	-23 15 07.5	323
1252	1977 01 10.68750	08 22 54.19	-01 03 04.3	323
1252	1977 01 10.70417	08 22 53.35	-01 02 52.3	323
1252	1977 01 26.64028	08 07 44.60	+02 43 33.9	323
1252	1977 01 26.65451	08 07 43.78	+02 43 46.5	323
1252	1977 03 14.48472	07 40 24.17	+16 08 04.5	323
1252	1977 03 14.50139	07 40 24.14	+16 07 49.8	323
1255	1976 06 17.52361	15 27 16.51	-17 50 52.0	323
1255	1976 06 17.53998	15 27 15.96	-17 50 48.5	323
1255	1977 08 31.60382	20 59 46.94	-03 35 42.0	323
1255	1977 08 31.62083	20 59 46.36	-03 35 46.9	323
1255	1977 10 06.52778	20 52 33.30	-06 00 16.6	323
1255	1978 11 22.71944	04 46 25.66	+20 08 41.4	323
1255	1978 11 27.68888	04 42 12.45	+19 46 15.2	323
1255	1978 11 28.70764	04 41 19.54	+19 41 38.1	323
1255	1978 11 29.76319	04 40 24.46	+19 36 53.9	323
1255	1978 11 30.69306	04 39 35.87	+19 32 38.8	323
1255	1978 12 03.64722	04 37 01.41	+19 19 20.7	323
1255	1978 12 03.69653	04 36 58.88	+19 19 07.5	323
1255	1978 12 04.69653	04 36 06.73	+19 14 38.3	323
1255	1978 12 06.74878	04 34 20.29	+19 05 30.4	323

1262	1976	05	26.84375	19	55	38.53	-14	05	43.9	323
1263	1979	11	27.59653	02	16	53.42	-28	48	46.4	323
1263	1979	11	27.61319	02	16	52.95	-28	48	43.3	323
1264	1979	11	27.72014	06	23	28.60	+04	29	16.5	323
1264	1979	12	12.80000	06	11	53.42	+02	48	11.5	323
1264	1979	12	12.82222	06	11	52.17	+02	48	02.8	323
1264	1980	01	11.62639	05	46	04.26	+01	01	43.0	323
1264	1980	01	11.64305	05	46	03.45	+01	01	42.8	323
1269	1977	09	02.73264	00	22	58.17	-00	13	21.0	323
1271	1976	11	22.72500	06	25	08.96	+16	43	53.4	323
1271	1976	11	22.74167	06	25	08.48	+16	43	54.0	323
1271	1976	12	23.71458	06	01	37.42	+17	22	27.0	323
1271	1976	12	23.73125	06	01	36.55	+17	22	30.3	323
1271	1977	01	12.64236	05	45	34.68	+18	08	50.4	323
1271	1977	01	12.65972	05	45	34.03	+18	08	53.6	323
1271	1977	01	26.52847	05	38	34.30	+18	46	33.2	323
1282	1980	01	16.75278	10	09	56.68	+13	41	00.1	323
1282	1980	01	16.76944	10	09	55.98	+13	40	58.7	323
1282	1980	01	21.75347	10	06	27.92	+13	37	12.8	323
1282	1980	01	21.77014	10	06	27.10	+13	37	11.7	323
1282	1980	01	24.78750	10	04	07.41	+13	35	34.3	323
1282	1980	01	24.80417	10	04	06.57	+13	35	33.6	323
1282	1980	02	08.77917	09	50	45.61	+13	31	56.4	323
1282	1980	02	08.80347	09	50	44.51	+13	31	56.5	323
1282	1980	02	21.65417	09	38	25.93	+13	29	24.2	323
1282	1980	02	21.67500	09	38	24.64	+13	29	27.9	323
1282	1980	03	14.49305	09	21	17.07	+13	11	38.3	323
1282	1980	03	14.51736	09	21	16.24	+13	11	38.8	323
1282	1980	03	19.48681	09	18	36.79	+13	04	03.6	323
1282	1980	04	10.52431	09	13	39.09	+12	12	41.2	323
1286	1976	11	22.68889	05	07	25.96	+11	59	50.6	323
1286	1976	11	22.70556	05	07	25.26	+11	59	46.6	323
1286	1978	02	10.69618	09	32	32.73	+02	17	26.2	323
1287	1975	09	08.74727	00	50	13.04	+09	50	57.5	323
1287	1975	09	08.76389	00	50	12.59	+09	50	53.4	323
1287	1975	09	28.69444	00	38	01.23	+07	46	46.7	323
1287	1975	09	28.71111	00	38	00.37	+07	46	39.9	323
1294	1980	04	14.72222	15	43	21.33	-12	52	30.5	323
1294	1980	04	14.74653	15	43	20.50	-12	52	26.6	323
1298	1980	03	21.78333	14	55	20.23	-23	58	27.3	323
1298	1980	06	10.59792	14	05	25.65	-19	59	35.1	323
1298	1980	06	10.62222	14	05	25.14	-19	59	30.2	323
1299	1975	11	03.81250	05	28	00.73	+11	00	09.3	323
1299	1975	11	28.69375	05	14	39.83	+09	22	15.4	323
1299	1975	11	28.71042	05	14	38.93	+09	22	12.8	323
1299	1975	12	10.64861	05	04	15.28	+09	01	00.1	323
1299	1975	12	10.66562	05	04	14.32	+09	00	59.2	323
1299	1975	12	28.64375	04	49	43.24	+09	13	42.8	323
1299	1975	12	28.66042	04	49	42.54	+09	13	44.8	323
1301	1978	08	09.86944	00	21	19.07	-04	43	18.4	323
1301	1978	08	09.89444	00	21	19.00	-04	43	35.5	323
1301	1978	10	25.56597	23	38	01.56	-22	49	26.5	323
1301	1978	10	25.58750	23	38	00.96	-22	49	36.4	323
1304	1975	09	01.76377	23	46	57.62	-29	22	10.0	323
1304	1975	09	01.78044	23	46	56.93	-29	22	16.4	323
1304	1975	10	08.62639	23	20	00.28	-31	06	24.3	323
1304	1975	10	08.64375	23	19	59.73	-31	06	23.4	323
1304	1975	11	07.55069	23	10	57.47	-29	07	39.7	323
1304	1975	11	07.56736	23	10	57.47	-29	07	34.6	323

1318	1976	02	23.79236	12	49	10.27	-00	02	29.7	323
1318	1976	02	23.80486	12	49	09.62	-00	02	41.3	323
1318	1976	05	02.44861	11	17	20.23	-14	43	39.3	323
1318	1976	05	02.46528	11	17	19.81	-14	43	48.3	323
1318	1977	09	12.73611	23	36	11.04	-08	26	13.8	323
1322	1979	03	23.75347	13	22	15.53	-41	52	16.9	323
1322	1979	07	31.47847	13	55	57.43	-16	19	17.3	323
1324	1979	02	23.75972	13	56	07.70	-18	23	42.6	323
1324	1979	04	02.76111	13	47	39.98	-20	10	09.5	323
1324	1979	04	02.78542	13	47	38.68	-20	10	07.5	323
1324	1979	04	04.71250	13	45	59.78	-20	07	10.7	323
1324	1979	04	04.73681	13	45	58.51	-20	07	08.0	323
1324	1979	04	05.68333	13	45	08.10	-20	05	21.1	323
1324	1979	04	05.71181	13	45	06.47	-20	05	16.6	323
1324	1979	05	03.59340	13	17	19.47	-17	54	35.7	323
1324	1979	05	03.61007	13	17	18.52	-17	54	29.5	323
1327	1980	07	02.65278	17	37	05.67	-28	44	06.7	323
1337	1979	11	14.75417	03	13	42.86	-08	37	29.3	323
1337	1979	11	14.77083	03	13	42.02	-08	37	33.8	323
1342	1977	05	13.82083	18	44	02.95	-52	15	55.0	323
1342	1977	05	13.83750	18	44	02.52	-52	15	58.1	323
1342	1977	07	14.57917	17	24	26.74	-45	18	07.7	323
1342	1977	08	31.53426	17	33	52.59	-34	17	09.4	323
1342	1977	09	02.59306	17	35	49.71	-33	55	30.4	323
1342	1977	09	07.51667	17	40	49.65	-33	05	50.0	323
1342	1977	09	09.49514	17	42	57.88	-32	46	38.9	323
1344	1980	11	07.61458	01	06	46.05	+01	54	10.5	323
1344	1980	11	10.65694	01	04	33.30	+01	50	29.4	323
1345	1978	12	27.78819	08	30	46.58	+13	32	21.9	323
1345	1978	12	27.81250	08	30	45.93	+13	32	28.1	323
1345	1979	02	02.59236	08	07	35.32	+16	28	13.7	323
1345	1979	02	02.61667	08	07	34.38	+16	28	21.7	323
1345	1979	02	27.56875	07	55	16.94	+18	29	11.9	323
1345	1979	02	27.59306	07	55	16.58	+18	29	17.5	323
1345	1980	02	18.79306	13	22	04.48	+02	57	09.8	323
1345	1980	03	14.71180	13	14	42.16	+05	13	33.6	323
1345	1980	03	14.73611	13	14	41.45	+05	13	43.1	323
1345	1980	06	10.50556	12	43	04.21	+07	58	38.8	323
1348	1977	09	01.75347	22	34	57.10	-18	47	40.6	323
1348	1977	09	01.77014	22	34	56.33	-18	47	43.3	323
1352	1977	03	15.72014	11	19	49.81	+02	45	16.8	323
1352	1977	03	15.73681	11	19	48.94	+02	45	21.9	323
1352	1977	04	15.58403	11	01	11.41	+05	25	10.8	323
1352	1978	06	27.63333	16	47	17.37	-16	56	45.6	323
1352	1978	06	27.65002	16	47	16.64	-16	56	41.9	323
1352	1978	09	05.50556	16	50	26.32	-18	24	48.0	323
1355	1978	06	02.72639	17	02	33.84	+02	07	04.7	323
1355	1978	06	02.74301	17	02	32.67	+02	07	24.1	323
1357	1976	11	01.71944	03	22	44.46	+04	37	17.5	323
1357	1976	11	01.73611	03	22	43.57	+04	37	17.5	323
1357	1976	12	14.58889	02	50	00.63	+06	23	00.7	323
1357	1976	12	14.60556	02	50	00.22	+06	23	05.0	323
1357	1976	12	22.55278	02	47	24.22	+07	06	43.9	323
1357	1976	12	22.56944	02	47	24.06	+07	06	49.4	323
1359	1980	10	07.77431	02	39	43.53	+06	03	51.9	323
1359	1980	10	07.79861	02	39	42.57	+06	03	49.3	323
1359	1980	10	10.70139	02	37	46.16	+05	59	01.1	323
1359	1980	10	10.72569	02	37	45.07	+05	58	59.2	323
1359	1980	10	16.69375	02	33	19.90	+05	49	14.8	323

1359	1980	10	16.71805	02	33	18.75	+05	49	12.2	323
1367	1980	03	13.50486	08	55	45.44	-16	41	58.9	323
1369	1979	08	20.80486	00	27	14.75	+06	02	33.4	323
1369	1979	08	20.82917	00	27	14.47	+06	02	24.0	323
1369	1979	10	22.60486	23	55	09.75	-03	40	50.2	323
1369	1979	10	22.62917	23	55	09.32	-03	40	59.3	323
1369	1979	12	09.56528	00	03	32.00	-05	21	31.2	323
1369	1979	12	09.58125	00	03	32.61	-05	21	28.8	323
1369	1980	12	02.71042	05	41	44.31	+04	06	14.7	323
1369	1980	12	15.62222	05	31	28.57	+03	46	46.6	323
1371	1979	02	02.78472	11	20	11.27	-05	17	36.7	323
1371	1979	02	05.79514	11	19	04.76	-05	06	20.3	323
1371	1979	03	20.59410	10	53	33.06	-00	12	47.9	323
1371	1979	03	23.59861	10	51	45.63	+00	12	10.3	323
1379	1980	01	17.72708	10	56	00.81	-02	29	13.8	323
1379	1980	02	12.74579	10	47	18.57	+00	24	59.0	323
1379	1980	02	12.77009	10	47	17.58	+00	25	13.6	323
1379	1980	03	18.64167	10	22	14.10	+07	34	17.2	323
1379	1980	03	18.65833	10	22	13.43	+07	34	29.2	323
1381	1977	09	01.60833	21	14	47.62	-19	49	13.7	323
1381	1977	09	01.62500	21	14	46.84	-19	49	12.2	323
1381	1977	10	12.54028	21	07	57.08	-17	59	15.3	323
1381	1977	10	12.55694	21	07	57.54	-17	59	10.4	323
1388	1977	10	17.72153	01	57	06.02	+03	30	12.1	323
1388	1977	10	17.73819	01	57	05.13	+03	30	13.1	323
1394	1977	03	15.55625	09	42	23.16	+12	02	58.5	323
1394	1977	03	15.57292	09	42	22.47	+12	03	03.2	323
1397	1980	07	22.64792	21	28	40.52	-20	31	31.4	323
1397	1980	10	16.50000	21	11	17.78	-21	07	55.4	323
1398	1979	03	08.71736	13	20	39.16	-24	52	17.8	323
1398	1979	03	22.68681	13	12	20.76	-24	53	11.6	323
1398	1979	03	22.71111	13	12	19.72	-24	53	09.4	323
1398	1979	04	26.55139	12	46	07.86	-22	45	50.8	323
1398	1979	04	26.57639	12	46	06.77	-22	45	41.1	323
1407	1977	09	01.69236	22	31	06.20	+01	59	34.7	323
1407	1977	09	01.70903	22	31	05.31	+01	59	32.2	323
1425	1980	06	18.68090	19	37	25.12	-02	00	44.1	323
1425	1980	06	18.70486	19	37	24.13	-02	00	43.6	323
1425	1980	08	12.60625	18	56	18.02	-05	01	36.2	323
1425	1980	08	12.63055	18	56	17.47	-05	01	44.4	323
1425	1980	09	11.59097	18	54	24.62	-08	16	10.4	323
1436	1977	01	13.76215	10	26	22.21	-07	59	18.1	323
1436	1977	02	24.62292	09	59	27.49	-07	58	10.0	323
1436	1977	02	24.63958	09	59	26.71	-07	58	06.5	323
1436	1977	03	15.52153	09	46	17.50	-06	33	44.7	323
1436	1977	03	15.53819	09	46	16.91	-06	33	39.5	323
1437	1980	06	11.59028	14	33	22.34	-40	44	39.0	323
1442	1975	10	10.69792	00	57	12.10	+07	01	25.8	323
1442	1975	10	10.71597	00	57	11.32	+07	01	21.2	323
1442	1975	10	15.75278	00	53	13.55	+06	34	01.9	323
1442	1975	10	15.76944	00	53	12.84	+06	33	58.4	323
1442	1975	10	24.56111	00	46	47.04	+05	48	26.0	323
1442	1975	10	24.57778	00	46	46.37	+05	48	20.7	323
1442	1979	07	02.75278	18	35	59.06	-21	30	49.6	323
1442	1979	07	02.77708	18	35	57.68	-21	30	50.3	323
1446	1979	04	02.86528	16	08	57.22	-24	35	03.7	323
1446	1979	04	02.88194	16	08	57.43	-24	35	08.3	323
1446	1979	05	24.71736	15	34	57.09	-26	35	02.5	323
1446	1979	05	24.73993	15	34	55.56	-26	34	59.0	323

1446	1979	05	30.69653	15	28	36.17	-26	26	22.0	323
1446	1979	08	01.57569	15	29	18.55	-25	42	31.6	323
1446	1979	08	21.57014	15	53	59.34	-26	25	17.2	323
1446	1979	08	22.54097	15	55	23.47	-26	27	37.0	323
1458	1976	11	22.64010	04	22	46.54	+04	57	00.8	323
1458	1976	11	22.65694	04	22	45.70	+04	56	55.2	323
1458	1976	11	23.69931	04	21	48.70	+04	52	32.7	323
1474	1980	08	12.66875	19	34	52.41	-39	14	21.7	323
1482	1979	11	14.57569	00	03	57.61	-03	08	37.5	323
1484	1980	10	07.70486	23	40	24.20	-27	44	43.8	323
1492	1980	06	11.75799	18	17	23.93	-14	02	55.7	323
1493	1978	02	06.69306	09	06	06.29	+17	43	22.3	323
1493	1978	02	06.70972	09	06	05.28	+17	43	24.8	323
1494	1979	03	20.70243	12	34	39.12	-04	26	42.3	323
1514	1976	05	07.71874	15	12	13.53	-09	17	57.1	323
1514	1976	05	07.73540	15	12	12.58	-09	17	51.4	323
1514	1976	05	26.61597	14	53	18.49	-07	57	53.6	323
1514	1976	05	26.63299	14	53	17.79	-07	57	53.5	323
1514	1980	09	08.76111	02	19	48.18	+07	53	25.2	323
1514	1980	10	08.79861	02	07	45.19	+04	44	57.0	323
1514	1980	10	09.79236	02	06	54.09	+04	37	27.8	323
1514	1980	10	09.81666	02	06	52.58	+04	37	20.8	323
1514	1980	10	30.65694	01	47	23.85	+02	22	18.9	323
1514	1980	10	30.68125	01	47	22.55	+02	22	12.2	323
1514	1980	12	03.63194	01	32	18.64	+01	59	38.0	323
1514	1980	12	05.64167	01	32	31.74	+02	06	37.3	323
1516	1976	02	02.64375	08	25	19.19	+19	34	09.9	323
1516	1976	02	02.66042	08	25	18.23	+19	34	17.2	323
1516	1976	02	22.54722	08	08	42.12	+21	38	23.8	323
1516	1976	02	22.56389	08	08	41.53	+21	38	28.7	323
1516	1976	02	23.59028	08	08	03.07	+21	43	46.7	323
1542	1975	12	29.78611	08	29	07.88	+15	06	50.0	323
1542	1975	12	29.80278	08	29	07.24	+15	06	51.8	323
1542	1976	01	08.68472	08	22	06.13	+15	25	33.0	323
1542	1976	01	08.70139	08	22	05.38	+15	25	35.7	323
1542	1976	02	02.61319	08	01	29.83	+16	30	35.7	323
1542	1976	02	02.62986	08	01	29.17	+16	30	38.6	323
1542	1976	02	09.63333	07	56	15.93	+16	49	14.4	323
1542	1976	02	09.65000	07	56	15.28	+16	49	16.0	323
1543	1975	06	10.87639	19	59	46.54	-24	41	13.7	323
1543	1975	06	10.89444	19	59	46.57	-24	41	05.6	323
1543	1975	08	01.64861	19	25	47.43	-16	27	17.6	323
1543	1975	09	02.58750	19	21	34.05	-12	21	09.6	323
1543	1975	09	02.60417	19	21	34.51	-12	21	02.1	323
1545	1980	04	11.73750	14	46	38.61	-14	33	19.3	323
1548	1978	08	06.75764	20	48	35.08	-24	04	58.1	323
1548	1978	08	06.76979	20	48	34.46	-24	05	03.9	323
1548	1978	10	23.49444	20	38	21.08	-27	36	42.7	323
1548	1978	10	23.51528	20	38	22.08	-27	36	40.5	323
1552	1980	02	22.69097	12	29	41.37	+00	13	33.6	323
1552	1980	03	18.70417	12	11	45.06	+01	14	06.3	323
1552	1980	03	18.72778	12	11	43.93	+01	14	11.2	323
1552	1980	04	11.57569	11	52	46.41	+02	11	33.2	323
1556	1978	12	29.68542	04	13	55.51	+14	04	49.9	323
1556	1978	12	29.70972	04	13	54.61	+14	04	55.6	323
1565	1979	03	01.60208	08	28	30.17	-10	26	33.9	323
1566	1977	06	23.69097	18	22	48.70	-31	57	34.3	323
1571	1978	03	03.72674	12	23	29.08	-23	09	32.3	323
1573	1980	02	13.69236	10	30	29.82	-18	56	11.7	323

1573	1980	03	13.55278	10	05	56.00	-13	54	53.4	323
1573	1980	04	07.52882	09	54	52.95	-08	21	03.9	323
1575	1979	01	30.68819	09	41	08.39	-27	05	02.3	323
1575	1979	01	30.71250	09	41	07.27	-27	05	02.3	323
1575	1979	04	27.46875	09	32	58.15	-05	05	34.2	323
1575	1979	05	01.50278	09	37	50.51	-04	09	02.6	323
1580	1976	06	08.47222	12	13	27.54	-56	41	44.5	323
1580	1976	06	17.44861	11	26	24.92	-59	56	54.3	323
1583	1980	03	20.75972	13	28	12.96	-21	15	18.3	323
1583	1980	03	20.78403	13	28	12.42	-21	15	12.4	323
1590	1976	05	07.59652	14	04	57.28	-13	38	44.5	323
1590	1976	05	07.61318	14	04	56.42	-13	38	35.9	323
1590	1976	05	20.65069	13	55	22.71	-12	01	10.8	323
1590	1976	05	20.66736	13	55	22.13	-12	01	04.2	323
1592	1980	12	04.71597	05	06	56.28	+13	08	45.4	323
1594	1976	10	15.58056	23	46	47.46	-17	06	29.8	323
1594	1976	10	15.59725	23	46	46.84	-17	06	25.6	323
1605	1975	09	12.78125	02	37	11.39	+07	50	18.0	323
1605	1975	09	12.79792	02	37	11.32	+07	50	12.0	323
1605	1975	09	16.79236	02	36	56.20	+07	29	20.6	323
1605	1975	09	16.80972	02	36	56.08	+07	29	14.7	323
1605	1975	10	10.73125	02	28	08.89	+04	52	13.4	323
1605	1975	10	10.74792	02	28	08.31	+04	52	05.9	323
1605	1975	10	27.70347	02	16	25.92	+02	50	27.3	323
1605	1975	10	27.72026	02	16	25.17	+02	50	21.1	323
1605	1975	11	27.56424	01	56	40.58	+00	27	19.4	323
1605	1975	11	27.58056	01	56	40.21	+00	27	17.8	323
1605	1978	01	19.80104	14	34	51.30	-10	03	50.4	323
1606	1977	11	09.75347	05	04	42.87	+12	58	39.5	323
1606	1977	11	09.77014	05	04	42.09	+12	58	35.1	323
1606	1977	12	05.76042	04	39	56.60	+11	16	21.4	323
1606	1977	12	05.77708	04	39	55.60	+11	16	18.2	323
1606	1978	02	01.56180	04	16	30.50	+12	06	15.5	323
1608	1980	04	15.63958	13	02	12.42	-09	47	36.3	323
1608	1980	04	15.66389	13	02	10.88	-09	47	27.9	323
1608	1980	04	15.69444	13	02	08.80	-09	47	19.7	323
1613	1979	01	08.77639	11	01	05.74	+05	58	27.4	323
1613	1979	01	08.80069	11	01	05.76	+05	58	21.3	323
1613	1979	02	28.69444	10	27	28.92	+05	22	26.0	323
1613	1979	02	28.71875	10	27	27.45	+05	22	28.3	323
1613	1979	04	02.54861	10	04	53.63	+06	06	22.0	323
1613	1979	04	02.57292	10	04	53.19	+06	06	23.1	323
1627	1980	10	29.72361	03	17	45.48	-02	23	16.2	323
1627	1980	10	29.74792	03	17	43.16	-02	23	25.0	323
1627	1980	11	07.69583	03	04	02.97	-02	46	57.9	323
1627	1980	12	04.67014	02	35	32.68	-01	10	55.0	323
1628	1976	11	19.68333	04	19	58.31	-04	06	18.2	323
1628	1976	11	19.70000	04	19	57.54	-04	06	25.8	323
1628	1976	12	22.58837	03	56	10.45	-05	25	05.2	323
1628	1976	12	22.60486	03	56	09.88	-05	25	02.6	323
1628	1977	01	14.55556	03	49	52.95	-03	58	48.6	323
1628	1977	01	14.57222	03	49	52.95	-03	58	53.2	323
1628	1979	04	26.75764	16	43	21.83	+00	41	40.7	323
1628	1979	04	26.78542	16	43	21.08	+00	41	54.0	323
1628	1980	08	12.71042	21	13	32.44	+03	21	03.1	323
1628	1980	08	12.73472	21	13	31.39	+03	20	53.1	323
1629	1977	11	10.72118	03	25	36.13	+02	40	08.1	323
1629	1977	12	14.65069	02	55	24.68	+02	16	07.7	323
1629	1977	12	15.60278	02	54	53.29	+02	18	36.6	323

1629	1979	02	22.70625	12	13	58.94	+09	28	18.0	323
1629	1979	02	22.73056	12	13	58.34	+09	28	34.7	323
1629	1979	04	02.65000	11	45	13.82	+16	40	15.2	323
1629	1979	04	02.67431	11	45	12.75	+16	40	26.3	323
1629	1979	05	25.45035	11	44	11.62	+15	25	59.6	323
1632	1978	11	05.76597	04	48	16.99	+16	34	10.7	323
1632	1978	11	05.78264	04	48	16.39	+16	34	06.6	323
1632	1978	11	10.79931	04	44	37.20	+16	14	10.4	323
1632	1978	11	10.82222	04	44	36.14	+16	14	04.1	323
1641	1977	09	08.54792	21	16	40.83	-17	07	49.4	323
1641	1977	09	08.56458	21	16	40.20	-17	07	46.6	323
1644	1975	09	16.70069	23	14	47.59	+07	09	56.1	323
1644	1975	09	16.71736	23	14	46.74	+07	09	51.6	323
1644	1975	10	10.55972	22	56	25.31	+04	48	17.6	323
1644	1975	10	10.57639	22	56	24.77	+04	48	12.3	323
1644	1978	06	02.76042	17	27	05.22	-25	28	10.4	323
1644	1978	06	02.77708	17	27	04.04	-25	28	06.6	323
1644	1978	07	10.63472	16	53	09.11	-23	26	30.2	323
1644	1978	09	06.52083	16	59	56.90	-21	58	51.4	323
1649	1979	07	31.62361	20	50	57.99	-13	14	42.4	323
1650	1978	06	27.63333	16	47	47.91	-17	39	15.5	323
1650	1978	06	27.65002	16	47	47.15	-17	39	11.8	323
1659	1976	09	06.46736	18	06	38.16	-37	55	32.3	323
1659	1976	09	07.46319	18	07	15.22	-37	46	32.1	323
1660	1979	03	01.87153	14	47	52.00	-23	53	27.0	323
1660	1979	04	26.66736	14	28	31.75	-11	21	38.3	323
1674	1980	09	09.59514	20	59	42.63	-19	45	52.3	323
1674	1980	09	12.58264	20	58	19.68	-19	51	11.1	323
1676	1976	07	26.74931	21	20	53.82	-28	26	37.6	323
1676	1976	07	26.76597	21	20	52.92	-28	26	42.5	323
1677	1980	07	22.58750	20	47	10.74	-34	05	58.0	323
1679	1975	06	11.62500	18	37	59.91	+04	28	54.5	323
1679	1975	06	11.64167	18	37	59.30	+04	28	55.8	323
1679	1975	07	03.65694	18	22	12.41	+04	31	51.8	323
1679	1975	07	03.67361	18	22	11.69	+04	31	48.9	323
1679	1975	07	30.61111	18	06	27.35	+02	04	29.4	323
1679	1975	07	30.62708	18	06	27.04	+02	04	23.9	323
1683	1980	02	14.72569	11	22	36.27	-01	42	57.9	323
1683	1980	02	22.62361	11	16	23.43	-01	36	03.1	323
1683	1980	03	20.54583	10	52	07.74	-00	33	39.4	323
1683	1980	03	21.58125	10	51	15.04	-00	30	34.2	323
1685	1980	06	09.71424	21	11	20.29	-14	00	36.8	323
1690	1975	12	29.75417	07	46	54.43	+04	23	43.1	323
1690	1975	12	29.77083	07	46	53.56	+04	23	43.7	323
1690	1976	02	02.58264	07	18	42.66	+04	43	45.2	323
1690	1976	02	02.59931	07	18	42.01	+04	43	48.3	323
1690	1976	02	09.59792	07	14	24.21	+05	04	34.4	323
1690	1976	02	09.61458	07	14	23.62	+05	04	38.3	323
1690	1976	02	23.54583	07	08	54.46	+05	53	43.4	323
1690	1976	02	23.56186	07	08	54.17	+05	53	46.2	323
1690	1979	07	20.89583	23	05	39.92	+12	23	02.8	323
1693	1978	10	04.75069	02	41	33.51	+02	16	34.4	323
1693	1978	10	04.77500	02	41	32.36	+02	16	31.1	323
1705	1979	06	29.68750	17	52	09.27	-08	05	39.2	323
1705	1979	06	29.71181	17	52	07.78	-08	05	39.2	323
1705	1979	08	01.62569	17	30	51.13	-09	33	32.7	323
1708	1979	12	20.72153	07	24	42.61	+10	52	05.9	323
1708	1979	12	20.74583	07	24	41.77	+10	52	04.9	323
1717	1975	09	09.65614	22	32	10.08	-09	08	30.6	323

1717	1975	09	09.67268	22	32	08.93	-09	08	28.0	323
1717	1978	07	28.72569	20	40	40.48	-24	34	56.1	323
1717	1978	07	28.75000	20	40	38.63	-24	34	56.0	323
1717	1978	07	31.69097	20	37	11.89	-24	40	37.4	323
1717	1978	07	31.70764	20	37	10.69	-24	40	39.2	323
1717	1978	08	01.69167	20	36	01.33	-24	42	20.3	323
1717	1978	08	01.71597	20	35	59.39	-24	42	22.5	323
1717	1978	08	03.54444	20	33	51.22	-24	45	15.3	323
1717	1978	08	06.72847	20	30	08.60	-24	49	20.5	323
1717	1978	08	06.74063	20	30	07.70	-24	49	20.6	323
1717	1978	08	07.60972	20	29	08.07	-24	50	15.6	323
1717	1978	08	07.62188	20	29	07.22	-24	50	15.0	323
1717	1978	08	11.60972	20	24	39.78	-24	53	08.5	323
1717	1978	08	11.62639	20	24	38.75	-24	53	08.9	323
1717	1978	08	11.69653	20	24	34.03	-24	53	09.5	323
1717	1978	08	11.71354	20	24	32.85	-24	53	08.6	323
1717	1978	08	26.52917	20	10	43.95	-24	45	51.9	323
1717	1978	08	26.54861	20	10	43.06	-24	45	50.2	323
1719	1978	06	12.78958	21	40	34.17	-22	46	19.0	323
1721	1978	02	17.71944	11	59	22.87	-14	39	26.0	323
1721	1978	02	17.73611	11	59	22.31	-14	39	27.3	323
1721	1978	04	10.62847	11	19	03.82	-13	42	09.3	323
1721	1978	04	10.64444	11	19	03.25	-13	42	05.7	323
1721	1979	05	18.73056	16	55	41.60	-43	26	09.5	323
1721	1979	06	05.63125	16	38	04.68	-42	57	08.9	323
1723	1976	11	19.71389	05	13	28.94	+07	25	39.3	323
1723	1976	11	19.73056	05	13	28.26	+07	25	36.0	323
1727	1979	11	19.64305	04	09	40.11	-28	26	38.9	323
1727	1979	11	19.66086	04	09	38.80	-28	26	37.7	323
1727	1980	01	11.55416	03	36	16.57	-12	48	20.5	323
1727	1980	01	11.57083	03	36	17.04	-12	47	52.6	323
1728	1980	08	14.64583	21	12	41.12	-03	02	53.0	323
1728	1980	08	14.67014	21	12	39.87	-03	02	58.2	323
1736	1977	09	05.77014	01	03	02.65	+03	31	08.7	323
1736	1977	09	05.78681	01	03	02.37	+03	31	02.8	323
1736	1977	10	17.64097	00	35	31.99	-02	14	08.7	323
1736	1977	10	17.65764	00	35	31.21	-02	14	16.0	323
1744	1979	02	23.82639	14	24	10.52	-12	22	06.7	323
1744	1979	04	04.76042	14	21	25.39	-13	54	15.6	323
1744	1979	04	04.78542	14	21	24.07	-13	54	13.1	323
1758	1979	02	22.83854	14	29	34.41	-00	28	52.3	323
1758	1979	04	06.68264	14	20	13.78	+03	07	36.0	323
1758	1979	04	06.69931	14	20	13.20	+03	07	43.4	323
1766	1980	08	11.78403	22	49	20.63	-02	15	10.9	323
1767	1978	09	28.79375	02	29	07.25	+10	48	36.8	323
1767	1978	11	19.61319	01	55	07.48	+05	11	20.6	323
1767	1978	11	19.62986	01	55	06.97	+05	11	14.8	323
1775	1978	09	25.59653	22	35	18.80	+01	19	36.4	323
1775	1978	09	25.62083	22	35	18.11	+01	19	21.8	323
1781	1979	04	26.71875	15	26	56.48	-19	22	55.6	323
1781	1979	04	27.74722	15	25	59.11	-19	22	16.0	323
1781	1979	05	03.64306	15	20	13.19	-19	17	07.8	323
1781	1979	05	04.72639	15	19	06.52	-19	15	57.2	323
1789	1978	02	06.63343	09	58	14.80	+14	36	41.6	323
1789	1978	02	07.63806	09	57	13.42	+14	42	51.3	323
1801	1979	10	23.75764	04	51	25.54	+17	38	03.9	323
1801	1979	10	23.78194	04	51	25.13	+17	38	08.8	323
1801	1979	11	26.69653	04	28	03.42	+18	26	08.3	323
1801	1979	11	26.72083	04	28	01.78	+18	26	12.5	323

1801	1979	12	12.65347	04	13	02.19	+18	51	34.2	323
1801	1979	12	12.67777	04	13	00.73	+18	51	16.6	323
1806	1977	01	11.71181	09	46	16.61	+08	52	47.0	323
1806	1977	01	11.72917	09	46	16.18	+08	52	46.2	323
1806	1977	01	13.72083	09	45	09.20	+08	51	23.8	323
1806	1977	01	13.73750	09	45	08.69	+08	51	24.3	323
1806	1977	02	07.68542	09	22	40.35	+09	30	35.1	323
1806	1977	02	07.69931	09	22	39.29	+09	30	39.9	323
1806	1977	03	09.58819	08	57	57.48	+11	08	05.0	323
1811	1977	10	17.72153	01	56	22.72	+03	39	40.3	323
1811	1977	10	17.73819	01	56	21.97	+03	39	37.7	323
1811	1978	12	27.74653	06	34	42.17	+11	58	47.0	323
1811	1978	12	28.70069	06	33	55.29	+11	59	54.0	323
1811	1980	02	12.80551	11	03	54.35	+03	54	48.0	323
1811	1980	02	12.82634	11	03	53.77	+03	54	54.9	323
1811	1980	03	14.55625	10	43	13.71	+07	03	48.6	323
1811	1980	03	18.61042	10	40	35.97	+07	28	31.9	323
1811	1980	04	11.52708	10	29	41.28	+09	23	44.5	323
1817	1980	09	09.75833	02	36	10.16	-22	26	08.6	323
1817	1980	10	27.69028	01	54	55.10	-26	19	12.1	323
1819	1977	10	17.84444	04	42	47.09	-06	01	41.9	323
1819	1977	11	11.75139	04	28	33.79	-07	32	34.9	323
1819	1977	12	05.72778	04	09	23.34	-07	30	48.5	323
1819	1977	12	05.74444	04	09	22.58	-07	30	46.3	323
1833	1978	09	29.83750	02	41	02.81	+03	27	34.4	323
1833	1978	09	29.85694	02	41	02.38	+03	27	27.1	323
1833	1978	10	04.75069	02	38	35.41	+02	49	03.6	323
1833	1978	10	04.77500	02	38	34.51	+02	48	51.8	323
1833	1978	10	23.69097	02	24	53.96	+00	22	57.9	323
1833	1978	10	23.71181	02	24	52.77	+00	22	48.1	323
1833	1978	11	27.60694	01	59	40.78	-01	52	11.5	323
1833	1978	11	27.62361	01	59	40.34	-01	52	11.5	323
1842	1980	08	15.63055	21	31	51.68	-12	20	06.5	323
1842	1980	08	15.64722	21	31	50.43	-12	20	15.7	323
1842	1980	11	05.52847	21	46	32.97	-15	39	16.6	323
1849	1980	02	13.73611	12	44	47.61	+08	32	57.4	323
1849	1980	03	14.64653	12	28	32.34	+10	31	27.8	323
1849	1980	03	14.67083	12	28	31.07	+10	31	33.5	323
1849	1980	06	10.45694	11	58	04.84	+07	36	17.1	323
1854	1980	10	27.64514	01	54	44.52	+08	20	58.9	323
1854	1980	12	08.62222	01	32	42.36	+05	23	03.6	323
1854	1980	12	10.63750	01	32	47.45	+05	22	57.8	323
1856	1978	03	31.69306	14	29	39.46	-11	39	46.4	323
1856	1978	03	31.70972	14	29	39.09	-11	39	41.8	323
1856	1978	05	05.69931	14	01	52.52	-07	16	20.2	323
1856	1978	05	05.71597	14	01	51.64	-07	16	13.4	323
1856	1978	08	25.47292	15	05	46.24	-12	47	13.6	323
1857	1980	03	20.80902	14	17	16.99	-17	29	43.6	323
1857	1980	03	20.83333	14	17	16.35	-17	29	39.7	323
1865	1980	10	28.73958	03	07	07.21	+10	43	28.9	323
1888	1980	10	29.68819	01	25	31.95	+14	58	18.1	323
1888	1980	10	29.70486	01	25	31.21	+14	58	10.6	323
1908	1980	04	09.73264	13	26	14.97	-10	09	55.9	323
1908	1980	04	09.75694	13	26	13.72	-10	09	51.7	323
1928	1977	10	18.52014	23	16	39.27	-05	20	19.5	323
1929	1977	10	13.64653	23	45	06.43	-13	36	31.4	323
1933	1977	05	27.76421	18	26	29.27	-12	23	02.3	323
1933	1978	12	03.75347	05	57	32.53	+11	22	54.1	323
1942	1978	03	03.76319	13	00	10.81	-21	53	04.9	323

1943	1978 01	16.60417	06 05	48.77	+08 00	55.9	323
1959	1978 03	03.68715	10 13	32.93	+02 29	47.4	323
1963	1977 10	31.68611	01 39	49.03	-33 31	40.9	323
1963	1977 10	31.70208	01 39	47.82	-33 31	33.6	323
1963	1977 11	30.55833	01 20	23.72	-28 39	33.0	323
1963	1977 11	30.57500	01 20	23.49	-28 39	18.4	323
1971	1978 02	03.64931	08 58	18.69	+14 16	55.2	323
1980	1978 01	12.70139	06 14	06.70	-15 53	05.9	323
1980	1978 02	02.58819	05 57	30.67	-14 30	06.4	323
1991	1980 03	13.63333	11 33	36.27	-01 44	10.5	323
1991	1980 04	09.63472	11 07	47.16	+00 16	33.5	323
1998	1976 03	02.85208	14 13	29.91	-18 21	25.4	323
1998	1976 03	02.87569	14 13	30.16	-18 21	32.3	323
1998	1976 03	31.71042	14 02	33.05	-20 04	47.5	323
1998	1976 03	31.72708	14 02	32.16	-20 04	48.0	323
1998	1976 05	02.57986	13 30	59.16	-19 23	43.4	323
1998	1976 05	02.59931	13 30	58.14	-19 23	38.6	323
1998	1976 05	24.54826	13 16	21.11	-18 17	16.2	323
2001	1976 04	04.83681	15 42	31.96	-48 56	17.0	323
2002	1978 12	28.75208	08 49	37.12	+06 06	13.0	323
2002	1978 12	28.76597	08 49	36.34	+06 06	13.8	323
2002	1979 01	24.69931	08 28	28.87	+07 27	28.6	323
2002	1979 01	24.72361	08 28	27.30	+07 27	37.1	323
2002	1979 02	23.55903	08 03	51.39	+10 40	55.8	323
2002	1979 02	23.58333	08 03	51.11	+10 41	01.1	323
2007	1980 03	18.70417	12 12	20.32	+00 26	12.8	323
2007	1980 03	18.72778	12 12	18.91	+00 26	18.8	323
2007	1980 04	11.57569	11 51	09.26	+01 50	41.1	323
2022	1979 05	24.71736	15 39	43.85	-26 58	26.5	323
2022	1979 05	24.73993	15 39	42.47	-26 58	21.7	323
2029	1979 04	27.69792	14 31	02.35	-23 11	27.4	323
2032	1979 03	22.60417	11 05	51.20	+07 17	17.0	323
2032	1979 04	02.61111	10 58	45.34	+07 56	22.8	323
2035	1978 08	02.56042	18 14	18.48	-62 30	38.4	323
2035	1978 08	02.57361	18 14	17.68	-62 30	42.5	323
2035	1978 09	21.67153	19 06	40.69	-59 43	24.5	323
2050	1978 09	01.75208	00 06	52.53	-49 47	16.6	323
2050	1978 09	04.71181	00 02	53.58	-50 02	11.4	323
2050	1978 09	05.69792	00 01	32.23	-50 06	10.3	323
2050	1978 09	05.87986	00 01	16.95	-50 06	47.7	323
2050	1978 11	06.59931	23 12	03.37	-40 46	12.4	323
2052	1978 03	31.75278	13 50	19.21	-13 47	11.7	323
2052	1978 03	31.76944	13 50	18.99	-13 47	05.8	323
2052	1978 04	27.58889	13 31	18.46	-10 54	46.9	323
2052	1978 04	27.60625	13 31	17.65	-10 54	38.5	323
2056	1979 12	28.73055	09 24	43.66	+09 00	08.2	323
2056	1980 01	21.71667	09 06	54.66	+09 37	07.7	323
2056	1980 01	21.73403	09 06	52.98	+09 37	19.7	323
2056	1980 02	13.63055	08 42	38.55	+11 19	18.5	323
2074	1978 02	16.78977	12 09	26.00	-35 18	39.4	323
2074	1979 10	02.82361	04 42	22.63	+10 38	11.3	323
2074	1979 10	17.81458	04 50	51.08	+02 17	17.3	323
2074	1979 10	22.75208	04 51	25.57	-00 47	38.9	323
2074	1979 11	14.80000	04 39	39.42	-15 13	51.3	323
2086	1979 09	28.63090	21 56	32.01	-17 19	08.3	323
2100	1978 09	13.68681	23 00	45.42	-04 16	19.1	323
2100	1978 09	13.69722	23 00	42.18	-04 17	18.8	323
2100	1978 09	22.57986	22 19	32.08	-17 10	11.4	323
2100	1978 09	25.52638	22 07	32.68	-20 41	34.3	323

2109	1979	03	22.60417	11	08	53.34	+07	12	25.6	323
2109	1979	04	02.61111	11	01	27.62	+08	14	40.7	323
2111	1978	04	12.69306	11	33	23.64	+06	31	06.7	323
2112	1979	08	24.79931	23	20	48.26	+02	39	05.6	323
2145	1978	05	09.58125	13	49	58.55	-28	22	07.1	323
2145	1978	05	09.59792	13	49	57.89	-28	21	57.7	323
2183	1980	08	15.88055	01	18	18.59	-26	24	02.6	323
2183	1980	08	15.90486	01	18	19.44	-26	24	18.2	323
2183	1980	10	10.65208	00	55	35.42	-30	55	45.7	323
2183	1980	10	10.67638	00	55	34.19	-30	55	36.1	323
2183	1980	10	12.60208	00	53	57.08	-30	43	29.4	323
2183	1980	10	12.61875	00	53	56.25	-30	43	23.3	323
2183	1980	12	11.56944	00	49	58.23	-16	04	09.3	323
2201	1979	12	16.51528	02	18	44.45	+13	17	36.3	323
2201	1979	12	16.52500	02	18	41.17	+13	17	23.8	323
2245	1979	06	27.91215	00	09	07.36	-13	02	33.5	323
2245	1979	06	29.85399	00	11	03.92	-13	02	27.4	323
2245	1979	06	30.88993	00	12	04.55	-13	02	39.0	323
2255	1977	10	31.63194	01	14	06.55	+01	03	37.7	323
2255	1977	10	31.64583	01	14	05.86	+01	03	39.6	323
2255	1977	11	01.66285	01	13	16.04	+01	05	44.4	323
2255	1977	11	09.63889	01	07	24.47	+01	26	23.2	323
2255	1977	11	09.65556	01	07	23.86	+01	26	25.8	323
2255	1977	12	09.61806	00	58	56.65	+03	53	53.8	323
2291	1980	09	02.63681	22	24	40.33	-01	55	26.9	323
2291	1980	09	03.67222	22	23	58.67	-02	06	40.0	323
2302	1980	08	13.65278	19	41	29.71	-22	27	01.8	323
2302	1980	08	13.67708	19	41	28.39	-22	26	54.5	323
2329	1976	11	25.64271	02	07	58.72	-37	20	08.2	323
2337	1980	08	12.84930	00	35	18.43	-15	10	49.9	323
2353	1979	07	16.74306	20	08	35.73	-28	23	01.9	323
2353	1979	09	17.56250	19	38	38.02	-27	43	58.5	323
2368	1977	10	12.61458	23	20	22.56	+16	09	54.2	323
2380	1980	03	20.71319	13	18	24.54	-10	57	18.6	323
2380	1980	03	20.73750	13	18	23.31	-10	57	12.8	323
2380	1980	03	21.72500	13	17	33.01	-10	53	30.5	323
2380	1980	03	21.74931	13	17	31.75	-10	53	24.2	323
2380	1980	03	24.57639	13	15	01.92	-10	41	50.4	323
2380	1980	04	10.62292	12	58	02.11	-09	13	31.5	323
2380	1980	04	10.72778	12	57	55.55	-09	12	56.4	323
2380	1980	04	14.62292	12	54	02.12	-08	50	32.0	323
2382	1978	11	27.68888	04	41	50.56	+19	12	24.6	323
2382	1978	11	28.70764	04	40	42.80	+19	01	25.5	323
2382	1978	11	29.76319	04	39	32.72	+18	50	01.8	323
2382	1978	11	30.69306	04	38	30.91	+18	40	02.3	323
2382	1978	12	03.64722	04	35	16.50	+18	08	28.7	323
2410	1978	05	05.69931	13	58	28.77	-07	14	41.6	323
2410	1978	05	09.61458	13	55	08.92	-06	59	39.9	323
2410	1978	05	09.63125	13	55	08.09	-06	59	35.4	323
2410	1978	05	11.62326	13	53	33.51	-06	52	53.3	323
2410	1978	05	11.63958	13	53	32.77	-06	52	49.7	323
2410	1978	06	01.57847	13	43	27.89	-06	28	05.3	323
2410	1978	06	09.56319	13	43	09.38	-06	41	14.8	323
2410	1978	06	27.52153	13	49	25.42	-07	50	21.1	323
2410	1978	06	27.53819	13	49	26.02	-07	50	26.2	323
2410	1978	07	10.45972	13	59	05.49	-09	06	17.6	323
2410	1979	08	24.84514	00	58	47.55	+03	08	32.4	323
2410	1979	09	17.67917	00	45	18.40	+01	06	30.3	323
2410	1979	09	26.71250	00	37	07.54	+00	05	02.0	323

2455	1978	12	28.80278	08	44	17.24	+18	54	44.4	323
2455	1978	12	29.80069	08	43	37.42	+18	54	29.8	323
2455	1979	01	05.64514	08	38	26.09	+18	54	19.2	323
2455	1979	01	23.68889	08	21	05.99	+19	00	08.2	323
2455	1979	02	02.64583	08	11	07.73	+19	02	31.2	323
2455	1979	02	05.69444	08	08	16.79	+19	02	35.1	323
2465	1979	02	02.64583	08	12	15.12	+18	51	20.4	323
2465	1979	02	05.69444	08	09	31.20	+18	56	46.9	323
2491	1978	09	13.85069	03	27	03.22	-18	40	47.6	323
2491	1978	09	13.87500	03	27	04.00	-18	41	09.0	323
2491	1978	11	08.68819	03	00	23.34	-29	39	23.7	323
2566	1979	04	20.63889	13	46	02.23	-07	16	23.8	323
2566	1979	04	20.66319	13	46	00.78	-07	16	19.4	323
2566	1979	04	26.61319	13	40	17.03	-06	59	16.7	323
2566	1979	05	01.69722	13	35	39.09	-06	46	51.2	323
2566	1979	05	01.74792	13	35	36.29	-06	46	43.9	323
2566	1979	05	02.62986	13	34	50.52	-06	44	48.9	323
2566	1979	05	17.53472	13	24	15.59	-06	26	58.7	323
2566	1979	05	25.57014	13	20	48.78	-06	30	08.2	323
2570	1980	08	12.78611	22	45	58.40	-03	16	52.5	323
2570	1980	08	13.87639	22	45	01.94	-03	15	02.1	323
2570	1980	08	14.71181	22	44	18.36	-03	13	41.7	323
2570	1980	08	15.73819	22	43	23.27	-03	12	10.2	323
2570	1980	08	18.69861	22	40	40.07	-03	08	13.2	323
2570	1980	08	18.73958	22	40	37.69	-03	08	08.8	323
2570	1980	09	02.63681	22	25	50.54	-02	58	24.2	323
2570	1980	09	03.67222	22	24	47.89	-02	58	11.3	323
2577	1979	10	22.78958	06	38	14.30	-08	15	57.3	323
2577	1979	11	28.76944	07	02	11.16	-21	38	03.4	323
2577	1979	11	28.79375	07	02	10.85	-21	38	33.7	323
2577	1979	12	27.66875	06	45	41.98	-26	56	10.9	323
2577	1980	01	24.60764	06	22	20.69	-22	35	46.8	323
2608	1978	03	02.65625	11	43	40.14	-13	51	34.9	323
2608	1978	03	04.69931	12	01	41.34	-11	36	42.4	323
2608	1978	03	08.68114	12	45	54.52	-05	26	20.5	323
2635	1979	06	29.62639	15	21	34.66	-21	25	10.7	323
2635	1979	07	02.57813	15	21	27.88	-21	15	10.7	323
2663	1979	05	30.69653	15	26	54.05	-24	44	19.5	323
2678	1977	12	02.55451	01	26	58.60	+07	59	24.2	323
2678	1977	12	05.60903	01	26	34.41	+08	04	24.9	323
2703	1979	04	26.61319	13	43	05.32	-06	43	56.1	323
2703	1979	04	27.62847	13	42	01.31	-06	42	27.5	323
2703	1979	05	01.69722	13	37	52.95	-06	37	31.8	323
2703	1979	05	02.62986	13	36	58.25	-06	36	38.5	323
2703	1979	05	17.53472	13	25	10.45	-06	39	22.0	323
2703	1979	05	18.57083	13	24	35.12	-06	40	49.3	323
2791	1978	06	02.85556	21	12	20.00	-52	35	45.4	323
2815	1979	11	15.75278	05	01	35.68	+14	01	39.2	323
2815	1979	11	15.76944	05	01	34.73	+14	01	38.6	323
2815	1979	11	19.67847	04	57	48.57	+13	59	03.6	323
2815	1979	11	19.69514	04	57	47.61	+13	59	06.8	323
2815	1979	11	23.75139	04	53	31.02	+13	57	36.9	323
2815	1979	11	23.77569	04	53	29.46	+13	57	39.5	323
2815	1979	11	27.62986	04	49	12.08	+13	57	30.9	323
2815	1979	11	27.64792	04	49	10.93	+13	57	31.3	323
2815	1979	12	12.72083	04	32	06.73	+14	10	22.1	323
2815	1979	12	19.66319	04	25	14.27	+14	23	56.7	323
2815	1980	01	10.58819	04	13	04.27	+15	37	39.1	323
2837	1979	05	01.74792	13	30	28.37	-06	59	35.1	323

2878	1980 08	11.78403	22 48	44.38	-02 52	18.8	323
2878	1980 08	12.78611	22 48	01.63	-02 52	07.4	323
2878	1980 08	13.87639	22 47	14.01	-02 52	01.8	323
2878	1980 08	14.71181	22 46	37.15	-02 52	02.0	323
2878	1980 08	15.73819	22 45	50.66	-02 52	11.1	323
2878	1980 08	18.73958	22 43	30.36	-02 53	05.3	323
2878	1980 09	02.63681	22 30	57.10	-03 08	25.1	323
2878	1980 09	04.66736	22 29	13.11	-03 11	30.1	323
2878	1980 10	07.61042	22 08	41.44	-03 56	30.2	323
2938	1980 08	12.66875	19 38	04.14	-39 52	30.8	323
3036	1977 09	04.68924	00 34	52.03	-14 55	46.5	323
3036	1977 09	13.74792	00 26	56.49	-15 02	42.5	323
3036	1977 09	18.61667	00 22	16.07	-15 02	59.4	323
3036	1977 09	18.63333	00 22	15.04	-15 02	59.2	323
3036	1977 10	04.64097	00 06	27.06	-14 41	11.5	323
3036	1977 10	04.65764	00 06	26.06	-14 41	09.2	323
3036	1977 10	18.54097	23 54	24.48	-13 49	28.6	323
3036	1977 10	18.55764	23 54	23.81	-13 49	23.6	323
3036	1977 12	09.55625	23 45	45.51	-07 06	05.4	323
3067	1978 07	28.72569	20 38	22.73	-24 05	30.2	323
3067	1978 07	28.75000	20 38	21.13	-24 05	31.9	323
3067	1978 07	31.69097	20 35	01.79	-24 13	17.3	323
3067	1978 07	31.70764	20 35	00.77	-24 13	19.5	323
3067	1978 08	09.62639	20 25	03.73	-24 31	21.1	323
3067	1978 08	09.64340	20 25	02.57	-24 31	22.3	323
3146	1980 09	12.68680	22 47	37.95	-02 41	33.2	323
3146	1980 09	12.73750	22 47	35.53	-02 42	09.1	323
3146	1980 09	17.68958	22 43	59.18	-03 31	16.1	323
3150	1979 08	20.71771	22 07	20.12	-27 17	18.4	323
3150	1979 08	20.73413	22 07	19.14	-27 17	16.0	323
3150	1979 08	21.60833	22 06	23.34	-27 15	52.8	323
3150	1979 08	21.63194	22 06	22.08	-27 15	51.0	323
3150	1979 08	22.62917	22 05	18.57	-27 14	02.2	323
3150	1979 08	22.65347	22 05	16.72	-27 14	02.2	323

OBSERVATIONS MADE AT KAMBAH BY D. HERALD.

Films taken with a 0.30-m f/5 reflector, reductions using the SAO Catalog. Contact: D. Herald, P.O. Box 254, Woden, ACT 2606, Australia.

Object	Date	UT	R. A. (1950)	Decl.	Obs.
29	1985 07	12.39809	14 36	32.47 -22 51	23.8 415
29	1985 07	12.40559	14 36	32.69 -22 51	24.1 415
29	1985 07	13.36076	14 36	50.75 -22 50	59.8 415
29	1985 07	20.39253	14 39	42.33 -22 50	52.0 415
29	1985 07	20.41651	14 39	43.12 -22 50	52.6 415

OBSERVATIONS MADE AT MOUNT JOHN UNIVERSITY OBSERVATORY.

Plates taken with the 0.6-m f/14 Cassegrain reflector by A. C. Gilmore, measured by P. M. Kilmartin. Computational support from R. McIntosh and W. M. Kissling. Reductions using field plates from the Carter Observatory, AGK3, SAO Catalog and Cape Photographic Catalogue. Contact: A. C. Gilmore, P.O. Box 57, Lake Tekapo, New Zealand.

Object	Date	UT	R. A. (1950)	Decl.	Mag.	N	Obs.
1985 KA	1985 06	16.57618	14 50	37.58 -20 44	59.2		474
1985 KA	1985 06	16.54701	14 50	38.46 -20 45	31.0		474
1985 KA	1985 06	18.46183	14 49	53.52 -20 14	47.4		474
1985 KA	1985 06	18.49088	14 49	52.79 -20 14	19.5		474
1985 KB	1985 06	12.53266	14 47	46.46 -28 25	42.3		474
1985 KB	1985 06	12.55535	14 47	45.59 -28 25	42.3		474
1985 KC	1985 06	16.48532	14 47	48.36 -26 25	53.4		474

1985 KC	1985 06 16.51495	14 47 47.60	-26 25 44.7		474
1985 MD *	1985 06 21.48139	14 53 46.17	-15 44 56.5	18	474
1985 MD	1985 06 21.52410	14 53 44.99	-15 44 51.8		474
1985 ME *	1985 06 21.48139	14 54 10.29	-16 02 55.8	18	474
1985 ME	1985 06 21.52410	14 54 09.58	-16 02 56.6		474
1985 ND *	1985 07 10.42228	19 12 56.28	-35 16 19.5		1 474
1985 ND	1985 07 10.46875	19 12 52.86	-35 16 24.9		1 474
1985 ND	1985 07 15.47541	19 06 38.63	-35 16 46.2		1 474
1985 ND	1985 07 19.65150	19 01 36.89	-35 12 58.0		1 474
1985 ND	1985 07 20.57083	19 00 32.80	-35 11 40.9	16.3	474
1985 ND	1985 07 20.58935	19 00 31.46	-35 11 39.4		474
1985 NE *	1985 07 10.42228	19 20 24.28	-34 20 05.9		1 474
1985 NE	1985 07 10.46875	19 20 21.27	-34 20 02.6		1 474
1985 NE	1985 07 15.47541	19 15 01.30	-34 16 58.3		1 474
1985 NE	1985 07 18.66250	19 11 44.82	-34 12 27.8		474
1985 NE	1985 07 18.68056	19 11 43.73	-34 12 25.5		474
1985 NE	1985 07 19.65150	19 10 45.84	-34 10 42.5		1 474
1985 NE	1985 07 20.61250	19 09 49.79	-34 08 46.7	16.4	474
1985 NE	1985 07 20.63102	19 09 48.60	-34 08 44.6		474

Note 1: plates taken with the 0.25-m astrograph.

OBSERVATIONS MADE AT YEBES BY M. DE PASCUAL, J. GARCIA, C. CABANAS AND F. SANCHEZ.

Plates taken with the 0.4-m f/5 double astrograph at the Centro Astronomico of the National Astronomical Observatory of the National Geographical Institute. Measurements using an ASCORECORD II Coordinatometer, reductions using about eight SAO Catalog reference stars. Contact: M. de Pascual M., Observatorio Astronomico de Madrid, Alfonso XII 3, Spain.

Object	Date	UT	R. A. (1950)	Decl.	Obs.
29	1985 07 11.87849		14 36 23.22	-22 51 44.5	491
29	1985 07 11.88541		14 36 23.36	-22 51 44.7	491
29	1985 07 11.89234		14 36 23.46	-22 51 43.9	491
29	1985 07 11.93735		14 36 24.27	-22 51 42.6	491
29	1985 07 11.94428		14 36 24.26	-22 51 41.7	491

OBSERVATIONS MADE AT THE OSSERVATORIO S. VITTORE.

Plates taken by C. Vacchi and G. Sassi; blinked by Vacchi; measured by Vacchi, V. Goretti and E. Colombini. Reduced by Colombini from least-squares plate-constants solutions with five or more AGK3 or SAO reference stars. Contact: E. Colombini, Via S. Vittore 44, I-40136 Bologna, Italy.

Object	Date	UT	R. A. (1950)	Decl.	Mag.	Obs.
1931	1985 07 22.92014		18 10 23.54	-08 37 54.7	16.7	552
1931	1985 07 22.93819		18 10 22.92	-08 37 57.9		552
1951	1985 06 21.89931		17 30 11.24	+54 55 52.2	17.5	552
1951	1985 06 21.93472		17 30 06.51	+54 54 46.7		552
3286	1985 06 12.86875		15 49 45.33	-05 22 26.5	17.2	552
3286	1985 06 12.88333		15 49 44.78	-05 22 30.9		552
3286	1985 06 12.89861		15 49 44.04	-05 22 36.3		552
1979 SK11	1985 07 22.95903		18 57 03.75	-10 05 53.7	16.2	552
1979 SK11	1985 07 22.97292		18 57 02.78	-10 05 57.6		552

OBSERVATIONS MADE AT BASSANO BRESCIANO BY U. QUADRI AND V. MARINELLO.

Plates taken with an 0.15-m astrometric reflector, measured with a one-axis machine, reduced using a modified dependence method and SAO reference-star positions. Contact: U. Quadri, Osservatorio Astronomico Brixia, Via S. Michele 4, I-25020 Bassano Bresciano, Brescia, Italy.

Object	Date	UT	R. A. (1950)	Decl.	Obs.
29	1985 06 11.87118		14 39 27.61	-23 52 37.6	565
29	1985 06 11.89931		14 39 26.81	-23 52 35.3	565

29	1985 06 11.92716	14 39 26.07	-23 52 33.8	565
194	1985 05 14.84354	12 54 44.60	+13 53 28.4	565
194	1985 05 14.87537	12 54 43.95	+13 53 30.0	565

OBSERVATIONS MADE AT ELDAGSEN BY W. BONK.

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

Object	Date	UT	R. A. (1950)	Decl.	Obs.
409	1985 07 28.00763	22 09 37.32	+07 04 31.8	573	
409	1985 07 28.01736	22 09 36.95	+07 04 32.2	573	
409	1985 07 28.02638	22 09 36.61	+07 04 32.7	573	
409	1985 07 28.03611	22 09 36.24	+07 04 33.1	573	
409	1985 07 28.04513	22 09 35.89	+07 04 33.6	573	

OBSERVATIONS MADE AT VICTORIA BY D. D. BALAM.

Films (Kodak 2415 emulsion) taken with a 0.25-m f/2 Schmidt (Celestron 10). Measurements on single-coordinate engine. Generally 6-8 reference stars from SAO Catalog, least-squares plate-constants solution (Tatum 1982, J. Roy. Astron. Soc. Canada 76, 97). Contact: J. B. Tatum, Dept of Physics, University of Victoria, P.O. Box 1700, Victoria, BC, V8W 2Y2, Canada.

Object	Date	UT	R. A. (1950)	Decl.	Obs.
1984 KF	1985 06 10.34479	16 50 20.01	+09 42 55.6	657	
1984 KF	1985 06 10.30432	16 50 21.40	+09 42 58.9	657	
1984 KF	1985 06 19.36763	16 45 30.37	+09 23 18.2	657	
1984 KF	1985 06 21.34917	16 44 29.69	+09 17 27.9	657	

OBSERVATIONS MADE AT OJAI.

Plates taken with a 0.18-m f/7 astrograph in the course of the Summer Science Program at the Thacher School. Contact: D. A. Pierce, 7706 Westlawn Avenue, Los Angeles, CA 90045, U.S.A.

Object	Date	UT	R. A. (1950)	Decl.	Obs.
29	1985 06 26.24653	14 34 58.31	-23 12 45.6	669	
29	1985 06 30.24236	14 34 43.77	-23 05 03.3	669	
29	1985 07 01.24375	14 34 44.05	-23 03 17.8	669	
29	1985 07 08.20660	14 35 29.62	-22 54 23.6	669	
29	1985 07 18.18819	14 38 41.26	-22 50 24.8	669	
29	1985 07 21.19653	14 40 06.13	-22 51 13.0	669	
29	1985 07 22.18958	14 40 37.12	-22 51 40.2	669	
43	1985 06 27.42292	21 48 43.60	-09 18 38.9	669	
43	1985 07 15.39167	21 46 35.18	-08 18 12.7	669	
43	1985 07 17.41458	21 45 37.58	-08 15 22.3	669	
43	1985 07 23.34514	21 42 03.59	-08 12 12.3	669	
43	1985 07 23.37500	21 42 02.16	-08 12 08.4	669	
43	1985 07 28.33056	21 38 18.95	-08 14 49.4	669	
46	1985 07 15.24514	15 50 24.29	-16 48 13.5	669	
46	1985 07 15.28472	15 50 24.09	-16 48 14.4	669	
46	1985 07 20.24138	15 50 18.71	-16 52 30.3	669	
46	1985 07 21.22917	15 50 22.60	-16 53 36.3	669	
46	1985 07 24.20174	15 50 44.95	-16 57 33.0	669	
46	1985 07 25.22431	15 50 55.86	-16 59 08.0	669	
113	1985 07 18.28542	16 24 56.87	-16 56 03.4	669	
113	1985 07 20.32153	16 24 54.29	-17 03 25.2	669	
113	1985 07 22.25069	16 24 59.23	-17 10 40.2	669	
113	1985 07 24.23611	16 25 11.42	-17 18 17.5	669	
148	1985 07 08.29722	17 27 05.56	+07 18 01.7	669	
148	1985 07 08.36875	17 27 02.30	+07 17 32.0	669	
148	1985 07 17.37431	17 21 08.37	+06 06 17.2	669	
148	1985 07 22.28368	17 18 32.34	+05 22 00.9	669	
148	1985 07 26.23125	17 16 48.39	+04 44 13.2	669	

OBSERVATION MADE WITH THE 1.2-M SCHMIDT AT PALOMAR.

Observation identified on the Palomar Sky Survey by G. Reaves. Measured by S. J. Bus. Contact: E. Bowell, Lowell Observatory, P.O. Box 1269, Flagstaff, AZ 86002, U.S.A.

Object	Date	UT	R. A. (1950)	Decl.	Obs.
3007	1950 12 09.24410		04 07 34.84	+20 59 11.3	675

OBSERVATIONS MADE WITH THE 1.2-M SCHMIDT TELESCOPE AT PALOMAR.

Contact: S. J. Bus, Lowell Observatory, 1400 W. Mars Hill Road, Flagstaff, AZ 86001, U.S.A.

Object	Date	UT	R. A. (1950)	Decl.	Obs.
1981 EW8	1979 09 18.33785		00 11 41.03	+05 01 31.0	675
1981 EW8	1979 09 19.38785		00 10 49.61	+04 54 52.6	675
1981 EV9	1979 09 18.31181		00 07 53.37	+08 51 46.6	675
1981 EV9	1979 09 19.38785		00 06 49.78	+08 46 29.9	675
1981 EA12	1979 09 18.33785		00 07 05.72	+03 36 54.2	675
1981 EA12	1979 09 19.38785		00 06 07.45	+03 29 54.2	675
1981 EY12	1979 09 18.33785		23 54 51.51	+07 04 49.5	675
1981 EY12	1979 09 19.38785		23 53 58.02	+06 56 21.5	675
1981 EN15	1979 09 18.36389		00 05 09.22	+05 00 59.0	675
1981 EN15	1979 09 19.38785		00 04 10.97	+04 55 27.8	675
1981 EZ15	1979 09 18.33785		23 50 44.06	+07 32 26.8	675
1981 EZ15	1979 09 19.38785		23 49 40.65	+07 28 22.6	675
1981 EL19	1978 10 03.25145		00 18 14.11	+01 02 18.6	675
1981 EL19	1978 10 04.24375		00 17 31.00	+00 54 13.6	675
1981 EH20	1978 10 03.27749		00 26 36.97	+02 31 55.2	675
1981 EH20	1978 10 04.24375		00 25 49.51	+02 26 02.5	675
1981 EX24	1978 10 03.25145		00 17 17.00	+00 28 02.3	675
1981 EX24	1978 10 04.24375		00 16 34.22	+00 23 06.8	675
1981 EP27	1978 10 03.25145		00 14 27.86	+01 30 33.7	675
1981 EP27	1978 10 04.24375		00 13 46.89	+01 21 28.3	675
1981 EH31	1979 09 21.41424		00 20 02.39	-01 25 12.1	675
1981 EH31	1979 09 22.32465		00 19 22.85	-01 35 08.5	675
1981 EK35	1978 10 03.25145		00 27 03.09	+04 19 50.6	675
1981 EK35	1978 10 04.24375		00 26 17.08	+04 14 54.7	675
1981 ER42	1978 10 03.25145		00 12 44.27	+01 03 51.3	675
1981 ER42	1978 10 04.24375		00 11 59.30	+00 59 35.2	675
1981 EG44	1978 10 03.25145		00 16 19.42	-00 03 27.5	675
1981 EG44	1978 10 04.24375		00 15 30.59	-00 05 51.1	675
1981 GQ	1978 10 03.22541		00 21 37.38	-00 20 44.3	675
1981 GQ	1978 10 04.24375		00 20 50.58	-00 23 25.3	675

OBSERVATIONS MADE WITH THE 0.46-M SCHMIDT AT PALOMAR.

Films taken in the course of the International Near-Earth Asteroid Survey (INAS) by E. Helin, S. Singer-Brewster, D. Schneeberger and M. Rudnyk, measured by Rudnyk and R. S. Dunbar. Contact: E. Helin, MS 183-501, Jet Propulsion Laboratory, Pasadena, CA 91109, U.S.A.

Object	Date	UT	R. A. (1950)	Decl.	Mag.	N	Obs.
44	1985 05 16.29514		13 32 39.56	-03 20 57.1	11.5		675
44	1985 05 16.33125		13 32 38.49	-03 20 52.8			675
126	1985 05 16.29514		13 24 25.36	-09 52 54.0	12		675
126	1985 05 16.33125		13 24 24.12	-09 52 47.0			675
1985 PA	1985 08 17.43774		22 29 35.32	-11 57 08.2	16.5		675
1985 PA	1985 08 17.46018		22 29 32.76	-11 58 51.1			675
1985 PA	1985 08 18.29410		22 27 52.03	-13 01 25.5			675
1985 PA	1985 08 18.31597		22 27 49.32	-13 03 09.0		1	675
1985 PA	1985 08 18.39306		22 27 39.37	-13 08 59.6			675

Note 1: beginning of trail on exposure by J. Schombert with the 1.2-m Schmidt.

OBSERVATIONS MADE AT PALOMAR BY C. S. SHOEMAKER AND E. M. SHOEMAKER.

4-10-exposures with the 0.46-m Schmidt telescope. Film pairs scanned by C. S. Shoemaker with a stereomicroscope. Measured by F. Salazar using a PDS scanning microdensitometer at the Lowell Observatory. SAO reference stars, global solutions. Contact: C. S. Shoemaker, P.O. Box 984, Flagstaff, AZ 86002, U.S.A.

Object	Date	UT	R. A. (1950)	Decl.	Mag.	Obs.
675	1985 04	23.38611	15 52 08.06	-27 06 55.5	14.5	675
675	1985 04	23.41041	15 52 06.92	-27 06 51.6		675
1985 KB	1985 04	23.38611	15 38 18.55	-25 53 47.4	17.0	675
1985 KB	1985 04	23.41041	15 38 17.41	-25 53 57.6		675

OBSERVATIONS MADE WITH THE 0.33-M PHOTOGRAPHIC TELESCOPE AT THE LOWELL OBSERVATORY'S ANDERSON MESA STATION.

Observations made by B. A. Skiff and N. G. Thomas, measured by S. J. Bus using a PDS scanning microdensitometer. See also MPC 9533. Contact: E. Bowell, Lowell Observatory, 1400 W. Mars Hill Road, Flagstaff, AZ 86001, U.S.A.

Object	Date	UT	R. A. (1950)	Decl.	Daily mot.	Mag.	N	Obs.
4	1985 05	15.20694	13 40 26.05	+01 46 39.8				688
4	1985 05	15.28090	13 40 23.04	+01 46 34.9				688
126	1985 05	15.17049	13 25 08.98	-09 56 08.8				688
126	1985 05	15.24479	13 25 05.97	-09 55 55.7				688
136	1985 05	15.31250	15 22 48.71	-05 46 27.5				688
136	1985 05	15.33750	15 22 47.27	-05 46 16.4				688
210	1985 05	21.20353	14 01 57.61	-13 42 47.2				688
210	1985 05	21.26470	14 01 55.05	-13 42 38.5				688
391	1985 05	15.17049	13 37 12.13	-08 08 02.1				688
391	1985 05	15.24479	13 37 08.89	-08 07 14.5				688
443	1985 05	18.21597	12 45 23.25	-00 32 48.0				688
443	1985 05	18.25868	12 45 22.92	-00 32 45.5				688
558	1985 05	15.20694	13 28 30.78	+02 35 07.6				688
558	1985 05	15.28090	13 28 28.52	+02 35 13.5				688
565	1985 05	21.20353	14 03 28.86	-13 00 25.7				688
565	1985 05	21.26470	14 03 26.88	-12 59 53.2				688
629	1985 05	18.21597	13 06 50.61	+04 56 40.8				688
629	1985 05	18.25868	13 06 49.73	+04 56 35.2				688
669	1985 05	18.21597	12 46 58.51	+03 45 04.8				688
669	1985 05	18.25868	12 46 57.90	+03 45 08.7				688
818	1985 05	15.20694	13 25 04.56	+06 38 37.5				688
818	1985 05	15.28090	13 25 01.98	+06 38 28.4				688
848	1985 05	21.20353	14 17 03.56	-13 17 32.2				688
848	1985 05	21.26470	14 17 00.99	-13 17 19.9				688
861	1985 05	18.21597	12 59 16.25	+05 13 47.7				688
861	1985 05	18.25868	12 59 15.38	+05 13 45.9				688
865	1985 05	15.20694	13 49 25.97	+03 34 56.8				688
865	1985 05	15.28090	13 49 23.33	+03 35 14.3				688
942	1985 05	18.21597	12 52 57.72	+05 22 27.9				688
1048	1985 05	18.21597	12 49 24.73	+05 49 47.3				688
1048	1985 05	18.25868	12 49 23.75	+05 49 23.1				688
1089	1985 05	21.20353	14 16 17.23	-10 49 45.7				688
1089	1985 05	21.26470	14 16 14.07	-10 49 38.2				688
1102	1985 05	21.20353	14 10 57.88	-10 46 07.6				688
1102	1985 05	21.26470	14 10 55.70	-10 45 42.6				688
1130	1985 05	21.20353	14 17 31.48	-13 00 14.3				688
1130	1985 05	21.26470	14 17 28.15	-12 59 54.9				688
1289	1985 05	15.17049	13 30 20.07	-08 32 16.8				688
1289	1985 05	15.24479	13 30 17.67	-08 32 00.9				688
1323	1985 05	21.20353	14 09 25.35	-11 35 40.2				688

1323	1985 05 21.26470	14 09 22.48	-11 35 51.7	688
1357	1985 05 15.20694	13 47 26.93	+04 41 06.7	688
1357	1985 05 15.28090	13 47 24.05	+04 41 05.1	688
1410	1985 05 18.21597	12 43 15.73	+02 55 27.2	688
1410	1985 05 18.25868	12 43 15.10	+02 55 31.4	688
1450	1985 05 21.20353	14 09 13.07	-08 56 24.5	688
1450	1985 05 21.26470	14 09 10.48	-08 56 18.8	688
1487	1985 05 21.20353	13 58 09.36	-08 47 19.0	688
1487	1985 05 21.26470	13 58 07.30	-08 47 12.6	688
1516	1985 05 15.20694	13 31 32.00	+06 41 10.0	688
1516	1985 05 15.28090	13 31 29.99	+06 40 59.6	688
1616	1985 05 21.20353	14 09 09.88	-11 45 42.8	688
1616	1985 05 21.26470	14 09 07.28	-11 45 40.6	688
1623	1985 05 21.20353	14 15 47.58	-10 10 08.0	688
1623	1985 05 21.26470	14 15 45.09	-10 10 01.3	688
1624	1985 05 15.17049	13 23 36.31	-05 47 55.6	16.8 688
1624	1985 05 15.24479	13 23 34.41	-05 47 46.1	688
1632	1985 05 15.17049	13 26 49.36	-06 52 37.0	688
1632	1985 05 15.24479	13 26 46.85	-06 52 15.3	688
1634	1985 05 18.21597	13 04 46.29	+04 55 34.5	16.8 688
1634	1985 05 18.25868	13 04 45.15	+04 55 23.8	688
1675	1985 05 21.20353	14 04 53.18	-15 42 28.9	688
1675	1985 05 21.26470	14 04 49.95	-15 42 21.7	688
1730	1985 05 18.21597	13 02 20.13	+01 03 32.0	688
1730	1985 05 18.25868	13 02 19.38	+01 03 37.6	688
1845	1985 05 15.20694	13 40 46.97	+04 53 22.5	16.5 688
1845	1985 05 15.28090	13 40 44.50	+04 53 27.2	688
1889	1985 05 18.21597	13 02 22.78	+02 56 12.7	16.8 688
1889	1985 05 18.25868	13 02 21.73	+02 56 03.4	688
2032	1985 05 15.17049	13 29 19.35	-09 29 36.4	16.8 688
2032	1985 05 15.24479	13 29 16.76	-09 29 24.8	688
2040	1985 05 18.21597	12 49 30.04	+00 00 51.3	16.8 688
2040	1985 05 18.25868	12 49 29.04	+00 00 39.0	688
2139	1985 05 21.20353	14 12 29.64	-15 18 24.4	688
2139	1985 05 21.26470	14 12 26.38	-15 18 06.2	688
2169	1985 05 15.17049	13 27 25.45	-07 41 08.2	688
2169	1985 05 15.24479	13 27 22.97	-07 40 55.1	688
2219	1985 05 18.21597	12 50 41.29	+02 38 33.3	688
2219	1985 05 18.25868	12 50 40.31	+02 38 31.4	688
2338	1985 05 18.21597	12 48 22.93	-00 23 08.5	688
2338	1985 05 18.25868	12 48 22.22	-00 23 07.6	688
2543	1985 05 18.21597	12 55 07.19	+00 02 56.0	688
2543	1985 05 18.25868	12 55 05.85	+00 02 51.4	688
2685	1985 05 15.17049	13 37 18.71	-09 21 10.1	688
2685	1985 05 15.24479	13 37 16.31	-09 20 31.3	688
2733	1985 05 15.20694	13 38 37.32	+07 46 03.9	688
2733	1985 05 15.28090	13 38 34.55	+07 45 54.8	688
2811	1985 05 21.20353	14 06 54.76	-14 22 59.2	688
2811	1985 05 21.26470	14 06 52.39	-14 22 46.6	688
2886	1985 05 21.20353	14 10 00.29	-11 10 32.3	1 688
2886	1985 05 21.26470	14 09 57.76	-11 10 20.3	688
2990	1985 05 15.17049	13 37 44.60	-06 40 43.5	688
2990	1985 05 15.24479	13 37 42.12	-06 40 31.7	688
3264	1985 05 15.17049	13 44 40.16	-09 23 48.0	17.2 688
3264	1985 05 15.24479	13 44 37.94	-09 23 36.8	688
3282	1985 05 15.17049	13 40 15.29	-05 18 17.6	17.0 688
3282	1985 05 15.24479	13 40 12.33	-05 18 03.1	688
3287	1985 05 15.31250	15 30 19.02	-10 12 04.8	17.2 688
3287	1985 05 15.33750	15 30 17.62	-10 11 44.6	688

1941 HJ	1985 05 15.20694	13 31 26.24	+06 15 45.3	16.5	688
1941 HJ	1985 05 15.28090	13 31 24.32	+06 15 54.1		688
1976 GJ2	1985 05 15.31250	15 14 48.88	-08 36 46.7	16.5	688
1976 GJ2	1985 05 15.33750	15 14 47.59	-08 36 33.6		688
1979 TK	1985 05 15.17049	13 28 49.27	-09 37 27.7	17.8	688
1979 TK	1985 05 15.24479	13 28 45.63	-09 37 19.4		688
1985 GB	1985 05 15.17049	13 23 31.73	-08 15 02.1	17.0	688
1985 GB	1985 05 15.24479	13 23 29.51	-08 14 53.8		688
1985 GK	1985 05 15.17049	13 40 18.44	-05 21 35.2	17.2	688
1985 GK	1985 05 15.24479	13 40 16.28	-05 21 07.3		688
1985 GL	1985 05 15.17049	13 34 05.57	-11 39 50.8	17.0	688
1985 GL	1985 05 15.24479	13 34 02.02	-11 39 50.3		688
1985 GM	1985 05 15.17049	13 43 28.66	-06 43 15.9	17.0	688
1985 GM	1985 05 15.24479	13 43 25.98	-06 43 06.6		688
1985 GO	1985 05 18.21597	12 50 29.50	+02 13 03.9	17.0	688
1985 GO	1985 05 18.25868	12 50 29.10	+02 12 55.3		688
1985 GP	1985 05 18.21597	12 59 37.92	+03 08 39.4	16.8	688
1985 GP	1985 05 18.25868	12 59 37.33	+03 08 36.0		688
1985 GR	1985 05 15.20694	13 26 34.72	+09 01 39.0	16.8	688
1985 GR	1985 05 15.28090	13 26 31.48	+09 01 09.9		688
1985 GW	1985 05 15.20694	13 26 47.81	+03 25 46.1	17.5	688
1985 GW	1985 05 15.28090	13 26 45.36	+03 25 36.2		688
1985 GX	1985 05 15.20694	13 39 21.12	+06 39 20.7	17.0	688
1985 GX	1985 05 15.28090	13 39 18.83	+06 39 29.2		688
1985 GA1	1985 05 15.20694	13 42 00.83	+01 28 04.3	16.8	688
1985 GA1	1985 05 15.28090	13 41 57.88	+01 28 08.2		688
1985 GE1	1985 05 21.20353	13 59 31.69	-10 58 17.9	16.2	688
1985 GE1	1985 05 21.26470	13 59 29.85	-10 57 54.2		688
1985 GG1	1985 05 21.20353	14 00 43.40	-09 46 16.6	17.2	688
1985 GG1	1985 05 21.26470	14 00 41.09	-09 46 17.9		688
1985 HB	1985 05 15.20694	13 46 48.55	+06 22 04.7	16.5	688
1985 HB	1985 05 15.28090	13 46 45.87	+06 22 00.6		688
1985 HC	1985 05 18.30035	15 03 01.03	-04 56 20.3	15.8	688
1985 HC	1985 05 18.33750	15 02 58.74	-04 55 42.3		688
1985 HO1	1985 05 21.20353	14 07 16.10	-15 55 44.6	16.8	688
1985 HO1	1985 05 21.26470	14 07 13.61	-15 55 25.6		688
1985 JE *	1985 05 15.17049	13 26 30.08	-10 44 14.9	17.2	2 688
1985 JE	1985 05 15.24479	13 26 26.76	-10 44 13.2		688
1985 JF *	1985 05 15.31250	15 12 04.89	-05 06 28.3	17.0	2 688
1985 JF	1985 05 15.33750	15 12 03.77	-05 06 18.5		688
1985 JG *	1985 05 15.31250	15 12 39.99	-09 00 37.7	16.2	2 688
1985 JG	1985 05 15.33750	15 12 38.31	-09 00 49.1		688
1985 JH *	1985 05 15.31250	15 15 29.40	-06 22 57.8	17.2	2 688
1985 JH	1985 05 15.33750	15 15 27.67	-06 22 41.7		688
1985 JJ *	1985 05 15.31250	15 16 39.00	-06 38 41.0	17.2	2 688
1985 JJ	1985 05 15.33750	15 16 37.83	-06 38 34.6		688
1985 JK *	1985 05 15.31250	15 17 18.52	-08 50 03.2	17.2	2 688
1985 JK	1985 05 15.33750	15 17 17.13	-08 50 01.6		688
1985 JL *	1985 05 15.31250	15 23 52.54	-11 13 53.0	16.8	2 688
1985 JL	1985 05 15.33750	15 23 51.18	-11 13 54.5		688
1985 JM *	1985 05 15.31250	15 24 09.46	-10 57 43.9	1.0- 9+ 17.0	2 688
1985 JN *	1985 05 15.31250	15 28 31.20	-11 16 46.5	17.5	2 688
1985 JN	1985 05 15.33750	15 28 29.75	-11 16 48.2		688

Note 1: right ascension uncertain. 2: discoverer *Bowell*.

OBSERVATIONS MADE WITH THE SPACEWATCH CAMERA 0.91-M TELESCOPE ON KITT PEAK.

Observations made by T. Gehrels with a CCD in scanning mode. Reductions by J. V. Scotti using reference stars from the 1984 SAO Catalog. For further

details see MPC 9198. Contact: T. Gehrels, Space Sciences Building, University of Arizona, Tucson, AZ 85721, U.S.A.

Object	Date	UT	R. A. (1950)			Decl.	Mag.	N	Obs.
1984 AC1	1985 06	15.19075	15 26	21.84	-10 00	25.9		1 691	
1984 AC1	1985 06	15.20074	15 26	21.35	-10 00	25.9		1 691	
1984 AC1	1985 06	15.21721	15 26	20.59	-10 00	26.4		1 691	
1984 AC1	1985 06	19.26233	15 23	29.95	-10 03	28.8		691	
1984 AC1	1985 06	19.27800	15 23	29.28	-10 03	29.6		691	
1984 AC1	1985 06	19.28873	15 23	28.82	-10 03	32.0		2 691	
1984 QA	1985 08	14.44127	02 44	16.15	+15 30	54.3	17.5V	691	
1984 QA	1985 08	14.45961	02 44	10.96	+15 29	45.9		691	
1984 QA	1985 08	14.47733	02 44	05.99	+15 28	40.7		691	
1984 QA	1985 08	15.43544	02 39	49.24	+14 28	20.5		691	
1984 QA	1985 08	15.45256	02 39	44.34	+14 27	15.0		691	
1984 QA	1985 08	15.46877	02 39	39.74	+14 26	14.1		691	

Note 1: only one reference star (SAO 159164). 2: superposed on a star.

OBSERVATIONS MADE AT THE GOETHE LINK OBSERVATORY.

Plates measured and reduced at Indiana University under the direction of D. Owings in response to requests from the Minor Planet Center. Contact: F. K. Edmondson, Swain Hall West 319A, Indiana University, Bloomington, IN 47401, U.S.A.

Object	Date	UT	R. A. (1950)			Decl.	Obs.
1594	1951 03	09.18892	09 53	37.65	+27 31	52.7	760
1594	1951 03	09.23476	09 53	34.87	+27 31	58.4	760
1949 XG	1949 12	14.24508	04 40	12.65	+22 25	44.4	760
1949 XG	1949 12	14.26661	04 40	11.37	+22 25	38.5	760
1954 SP	1954 09	23.23643	23 35	33.21	-02 48	50.8	760
1954 SE1	1954 09	27.25275	23 55	37.25	+12 51	60.0	760
1954 SE1	1954 09	27.28956	23 55	34.81	+12 51	49.0	760
1956 AE	1956 01	13.40558	08 35	44.68	+13 30	56.9	760
1956 AE	1956 01	13.44794	08 35	42.19	+13 30	59.5	760
1956 AR	1956 01	14.20278	07 24	22.07	+23 39	39.0	760
1956 EW	1956 03	09.19630	11 05	39.75	+04 11	19.7	760
1956 EW	1956 03	09.23657	11 05	37.87	+04 11	39.3	760
1956 EX	1956 03	09.19630	11 04	27.03	+04 19	36.5	760
1956 EX	1956 03	09.23657	11 04	23.16	+04 19	47.1	760
1956 GE	1956 04	12.21991	12 32	08.87	+21 50	38.7	760
1957 HO	1957 04	24.83247	14 34	14.50	-14 44	22.9	760
1957 HO	1957 04	24.89774	14 34	11.46	-14 44	16.1	760

OBSERVATIONS MADE AT QUONOCHONTAUG OBSERVATORY.

Films taken with a 0.4-m reflector and 0.24-m f/6.3 Schmidt. Contact: W. S. Penhallow, Physics Department, University of Rhode Island, East Hall, Kingston, RI 02881, U.S.A.

Object	Date	UT	R. A. (1950)			Decl.	Obs.
14	1982 12	08.22326	03 41	51.48	+13 58	05.8	792
14	1982 12	08.22500	03 41	51.33	+13 58	06.2	792
14	1982 12	08.22778	03 41	51.17	+13 58	06.0	792
14	1982 12	08.23056	03 41	51.03	+13 58	05.9	792
19	1982 09	15.25347	01 32	23.66	+10 45	04.4	792
19	1982 09	15.25764	01 32	23.52	+10 45	03.7	792
19	1982 09	15.26182	01 32	23.40	+10 45	03.2	792
19	1982 09	15.26597	01 32	23.32	+10 45	02.5	792
21	1982 10	28.36771	09 01	13.55	+18 37	19.2	792
21	1982 10	28.37326	09 01	13.82	+18 37	18.5	792
21	1982 10	28.37813	09 01	14.14	+18 37	17.6	792
21	1982 10	28.38368	09 01	14.56	+18 37	16.5	792
29	1985 06	21.08057	14 35	56.02	-23 25	08.2	792

29	1985	06	21.08542	14	35	55.94	-23	25	07.4	792
29	1985	06	21.09167	14	35	55.78	-23	25	06.7	792
57	1982	08	27.25348	22	31	43.31	+06	33	53.9	792
57	1982	08	27.25765	22	31	43.09	+06	33	52.1	792
59	1983	01	14.32639	10	57	28.26	+02	15	44.8	792
59	1983	01	14.33542	10	57	28.16	+02	15	45.5	792
59	1983	01	14.33958	10	57	28.12	+02	15	45.9	792
59	1983	01	14.34722	10	57	28.06	+02	15	47.0	792
80	1983	07	23.32292	01	29	37.44	+17	31	14.0	792
80	1983	07	23.33194	01	29	38.24	+17	31	17.8	792
80	1983	07	23.33611	01	29	38.74	+17	31	20.4	792
93	1982	10	11.17708	04	07	32.24	+29	29	04.9	792
93	1982	10	11.18194	04	07	32.16	+29	29	07.0	792
93	1982	10	11.18819	04	07	32.02	+29	29	07.4	792
106	1983	01	14.26669	08	33	20.18	+24	47	10.5	792
106	1983	01	14.27223	08	33	19.89	+24	47	11.8	792
106	1983	01	14.27778	08	33	19.61	+24	47	13.0	792
106	1983	01	14.28403	08	33	19.34	+24	47	14.9	792
146	1982	04	15.13125	12	40	05.32	+17	15	14.9	792
146	1982	04	15.13681	12	40	05.00	+17	15	14.6	792
146	1982	04	15.14236	12	40	04.70	+17	15	15.1	792
146	1982	04	15.14722	12	40	04.49	+17	15	15.5	792
250	1982	02	02.16249	05	30	14.95	+40	24	04.3	792
250	1982	02	02.16667	05	30	14.95	+40	24	02.6	792
250	1982	02	02.17153	05	30	14.90	+40	24	01.3	792
250	1982	02	02.17639	05	30	14.77	+40	24	00.2	792
344	1982	02	02.23993	08	03	39.18	+45	09	15.7	792
344	1982	02	02.24479	08	03	38.72	+45	09	16.6	792
344	1982	02	02.25660	08	03	38.01	+45	09	16.6	792
346	1983	02	20.21007	11	51	54.71	+14	10	05.3	792
346	1983	02	20.21493	11	51	54.52	+14	10	07.3	792
346	1983	02	20.22604	11	51	54.09	+14	10	11.8	792
372	1983	08	16.21944	00	30	57.27	+22	35	47.4	792
372	1983	08	16.22396	00	30	57.18	+22	35	50.0	792
372	1983	08	16.23021	00	30	57.05	+22	35	53.6	792
747	1983	08	03.18819	19	07	34.53	-15	09	03.2	792
747	1983	08	03.19236	19	07	34.27	-15	09	04.4	792
747	1983	08	03.19583	19	07	34.16	-15	09	05.7	792
747	1983	08	03.20278	19	07	33.83	-15	09	08.9	792

OBSERVATIONS MADE AT OAK RIDGE OBSERVATORY BY R. E. McCROSKY, C.-Y. SHAO AND G. SCHWARTZ.

Plates with the 1.5-m reflector, reduced using the Astrographic Catalogue. Coordination and verification by, and assistance with identifications from, C. M. Bardwell. Contact: R. E. McCrosky, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138, U.S.A.

Object	Date	UT	R. A. (1950)			Decl.	Mag.	Obs.
3287	1985	07	19.09424	15	14	20.40	-03 50 59.1	801
3288	1985	07	18.23577	21	09	38.68	-02 02 35.2	801
1976 GJ2	1985	07	19.07427	15	05	55.06	-05 57 34.5	801
1979 SK11	1985	06	21.32509	19	26	48.82	-09 24 59.8	801
1979 SK11	1985	07	18.15017	19	01	26.40	-09 49 45.4	801
1981 VW1	1985	04	18.30522	15	16	43.54	-15 01 01.1	801
1981 VW1	1985	05	24.16859	14	49	50.50	-13 00 03.1	801
1984 CZ	1985	06	21.30966	19	55	16.07	-10 44 04.8	801
1984 CZ	1985	07	18.16818	19	33	52.73	-12 41 25.8	801
1984 FT	1985	06	19.25802	19	07	24.78	-10 34 48.3	801
1984 QA	1985	08	17.29756	02	31	21.50	+12 27 53.8	801

1985 HC	1985 07 16.07764	14 43 34.80	+04 39 26.1		801
1985 PA	1985 08 18.17665	22 28 06.86	-12 52 33.1	16.5	801

OBSERVATIONS MADE AT THE EUROPEAN SOUTHERN OBSERVATORY BY H. DEBEHOGNE.

Plates taken with the 0.40-m GPO astrograph, measured using the OPTRO-NICs machine in Garching. Contact: H. Debehogne, Observatoire Royal de Belgique, 3 Avenue Circulaire, B-1180 Brussels, Belgium.

Object	Date	UT	R. A. (1950)	Decl.	Mag.	Obs.
621	1985 02	13.11528	10 54 46.06	+10 46 10.6		809
621	1985 02	13.12083	10 54 45.87	+10 46 11.9		809
621	1985 02	13.12639	10 54 45.65	+10 46 13.7		809
621	1985 02	15.12118	10 53 20.69	+10 55 48.9		809
621	1985 02	15.12604	10 53 20.46	+10 55 50.6		809
621	1985 02	15.13090	10 53 20.25	+10 55 51.8		809
621	1985 02	17.25174	10 51 46.23	+11 06 08.6		809
621	1985 02	17.25799	10 51 45.88	+11 06 10.6		809
621	1985 02	17.26424	10 51 45.60	+11 06 12.3		809
621	1985 02	18.20625	10 51 03.30	+11 10 49.7		809
621	1985 02	18.21181	10 51 03.07	+11 10 51.5		809
621	1985 02	18.21736	10 51 02.83	+11 10 52.4		809
621	1985 02	19.23264	10 50 16.37	+11 15 50.2		809
621	1985 02	19.23819	10 50 16.03	+11 15 51.9		809
621	1985 02	19.24375	10 50 15.75	+11 15 53.1		809
621	1985 02	20.24236	10 49 29.64	+11 20 46.8		809
621	1985 02	20.24792	10 49 29.39	+11 20 48.5		809
621	1985 02	20.25347	10 49 29.15	+11 20 49.9		809
621	1985 02	21.25694	10 48 42.38	+11 25 45.5		809
621	1985 02	21.26250	10 48 42.17	+11 25 47.0		809
621	1985 02	21.26806	10 48 41.87	+11 25 48.5		809
621	1985 02	24.19479	10 46 23.70	+11 40 03.4		809
621	1985 02	24.19965	10 46 23.44	+11 40 04.5		809
621	1985 02	24.20451	10 46 23.23	+11 40 05.8		809
621	1985 02	27.23785	10 43 58.12	+11 54 36.5		809
621	1985 02	27.24375	10 43 57.86	+11 54 38.1		809
621	1985 02	27.24965	10 43 57.54	+11 54 39.9		809
621	1985 02	28.25139	10 43 09.59	+11 59 21.9		809
621	1985 02	28.25694	10 43 09.32	+11 59 23.8		809
621	1985 02	28.26250	10 43 09.04	+11 59 25.1		809
990	1985 02	13.11528	10 58 24.56	+10 43 20.7		809
990	1985 02	13.12083	10 58 24.27	+10 43 21.0		809
990	1985 02	13.12639	10 58 24.01	+10 43 20.9		809
990	1985 02	15.12118	10 56 43.44	+10 50 16.1		809
990	1985 02	15.12604	10 56 43.17	+10 50 17.0		809
990	1985 02	15.13090	10 56 42.96	+10 50 17.7		809
990	1985 02	17.25174	10 54 52.72	+10 57 45.3		809
990	1985 02	17.25799	10 54 52.43	+10 57 46.9		809
990	1985 02	17.26424	10 54 52.04	+10 57 47.3		809
990	1985 02	18.20625	10 54 02.54	+11 01 06.4		809
990	1985 02	18.21181	10 54 02.30	+11 01 08.3		809
990	1985 02	18.21736	10 54 01.99	+11 01 09.5		809
990	1985 02	19.23264	10 53 07.83	+11 04 45.1		809
990	1985 02	19.23819	10 53 07.45	+11 04 45.9		809
990	1985 02	19.24375	10 53 07.11	+11 04 46.5		809
990	1985 02	20.24236	10 52 13.40	+11 08 17.6		809
990	1985 02	20.24792	10 52 13.06	+11 08 19.5		809
990	1985 02	20.25347	10 52 12.85	+11 08 20.9		809
990	1985 02	21.25694	10 51 18.46	+11 11 53.2		809
990	1985 02	21.26250	10 51 18.12	+11 11 54.5		809
990	1985 02	21.26806	10 51 17.80	+11 11 55.5		809

990	1985	02	24.19479	10	48	37.49	+11	22	11.5	809
990	1985	02	24.19965	10	48	37.21	+11	22	12.3	809
990	1985	02	24.20451	10	48	36.89	+11	22	13.8	809
990	1985	02	27.23785	10	45	48.74	+11	32	39.8	809
990	1985	02	27.24375	10	45	48.40	+11	32	40.6	809
990	1985	02	27.24965	10	45	48.05	+11	32	42.1	809
990	1985	02	28.25139	10	44	52.34	+11	36	04.2	809
990	1985	02	28.25694	10	44	52.04	+11	36	05.5	809
990	1985	02	28.26250	10	44	51.71	+11	36	06.7	809
1148	1985	02	13.11528	10	53	54.42	+10	04	52.3	809
1148	1985	02	13.12083	10	53	54.22	+10	04	54.8	809
1148	1985	02	13.12639	10	53	54.00	+10	04	56.6	809
1148	1985	02	15.12118	10	52	36.33	+10	18	42.1	809
1148	1985	02	15.12604	10	52	36.13	+10	18	43.8	809
1148	1985	02	15.13090	10	52	35.90	+10	18	45.9	809
1148	1985	02	17.25174	10	51	10.04	+10	33	30.0	809
1148	1985	02	17.25799	10	51	09.73	+10	33	32.8	809
1148	1985	02	17.26424	10	51	09.46	+10	33	35.4	809
1148	1985	02	18.20625	10	50	30.88	+10	40	13.2	809
1148	1985	02	18.21181	10	50	30.61	+10	40	15.7	809
1148	1985	02	18.21736	10	50	30.40	+10	40	16.9	809
1148	1985	02	19.23264	10	49	48.04	+10	47	25.5	809
1148	1985	02	19.23819	10	49	47.78	+10	47	27.9	809
1148	1985	02	19.24375	10	49	47.48	+10	47	30.2	809
1148	1985	02	20.24236	10	49	05.42	+10	54	33.0	809
1148	1985	02	20.24792	10	49	05.14	+10	54	35.3	809
1148	1985	02	20.25347	10	49	04.95	+10	54	37.1	809
1148	1985	02	21.25694	10	48	22.25	+11	01	43.1	809
1148	1985	02	21.26250	10	48	22.01	+11	01	45.2	809
1148	1985	02	21.26806	10	48	21.77	+11	01	47.5	809
1148	1985	02	24.19479	10	46	15.57	+11	22	29.6	809
1148	1985	02	24.19965	10	46	15.33	+11	22	31.8	809
1148	1985	02	24.20451	10	46	15.10	+11	22	33.9	809
1148	1985	02	27.23785	10	44	02.06	+11	43	54.5	809
1148	1985	02	27.24375	10	44	01.81	+11	43	57.2	809
1148	1985	02	27.24965	10	44	01.51	+11	44	00.0	809
1148	1985	02	28.25139	10	43	17.37	+11	50	59.7	809
1148	1985	02	28.25694	10	43	17.14	+11	51	01.9	809
1148	1985	02	28.26250	10	43	16.86	+11	51	04.1	809
1156	1985	02	13.11528	10	52	43.01	+09	33	03.6	809
1156	1985	02	13.12083	10	52	42.71	+09	33	04.9	809
1156	1985	02	13.12639	10	52	42.41	+09	33	07.2	809
1156	1985	02	15.12118	10	50	57.01	+09	45	27.0	809
1156	1985	02	15.12604	10	50	56.78	+09	45	28.1	809
1156	1985	02	15.13090	10	50	56.48	+09	45	30.5	809
1156	1985	02	17.25174	10	48	58.90	+09	58	46.4	809
1156	1985	02	17.25799	10	48	58.50	+09	58	49.5	809
1156	1985	02	17.26424	10	48	58.11	+09	58	53.0	809
1156	1985	02	21.25694	10	45	07.58	+10	24	29.1	809
1156	1985	02	21.26250	10	45	07.25	+10	24	30.8	809
1156	1985	02	21.26806	10	45	06.91	+10	24	32.9	809
1156	1985	02	24.19479	10	42	12.33	+10	43	25.5	809
1156	1985	02	24.19965	10	42	12.04	+10	43	27.2	809
1156	1985	02	24.20451	10	42	11.72	+10	43	28.9	809
2673	1985	02	13.11528	10	57	22.37	+10	17	43.9	809
2673	1985	02	13.12083	10	57	22.14	+10	17	45.3	809
2673	1985	02	13.12639	10	57	21.91	+10	17	46.8	809
2673	1985	02	15.12118	10	56	02.86	+10	26	58.1	809
2673	1985	02	15.12604	10	56	02.68	+10	26	59.3	809

2673		1985	02	15.13090	10	56	02.45	+10	27	00.1	809	
2673		1985	02	17.25174	10	54	34.75	+10	36	57.8	809	
2673		1985	02	17.25799	10	54	34.45	+10	36	59.5	809	
2673		1985	02	17.26424	10	54	34.15	+10	37	00.9	809	
2673		1985	02	18.20625	10	53	54.51	+10	41	29.0	809	
2673		1985	02	18.21181	10	53	54.24	+10	41	31.2	809	
2673		1985	02	18.21736	10	53	54.06	+10	41	32.6	809	
2673		1985	02	19.23264	10	53	10.37	+10	46	23.0	809	
2673		1985	02	19.23819	10	53	10.06	+10	46	24.6	809	
2673		1985	02	19.24375	10	53	09.85	+10	46	25.0	809	
2673		1985	02	20.24236	10	52	26.34	+10	51	12.5	809	
2673		1985	02	20.24792	10	52	26.02	+10	51	14.5	809	
2673		1985	02	20.25347	10	52	25.75	+10	51	15.8	809	
2673		1985	02	21.25694	10	51	41.64	+10	56	04.0	809	
2673		1985	02	21.26250	10	51	41.46	+10	56	06.3	809	
2673		1985	02	21.26806	10	51	41.21	+10	56	07.4	809	
2673		1985	02	24.19479	10	49	29.92	+11	10	12.7	809	
2673		1985	02	24.19965	10	49	29.64	+11	10	14.3	809	
2673		1985	02	24.20451	10	49	29.40	+11	10	16.0	809	
2673		1985	02	27.23785	10	47	10.22	+11	24	49.2	809	
2673		1985	02	27.24375	10	47	09.93	+11	24	50.2	809	
2673		1985	02	27.24965	10	47	09.63	+11	24	51.6	809	
2673		1985	02	28.25139	10	46	23.22	+11	29	36.8	809	
2673		1985	02	28.25694	10	46	23.00	+11	29	38.5	809	
2673		1985	02	28.26250	10	46	22.68	+11	29	39.5	809	
1985	CM1	*	1985	02	13.11528	10	57	39.41	+10	07	06.3	809
										17.8		
1985	CM1		1985	02	13.12083	10	57	39.17	+10	07	08.9	809
1985	CM1		1985	02	13.12639	10	57	38.91	+10	07	11.5	809
1985	CM1		1985	02	15.12118	10	56	10.53	+10	23	41.3	809
1985	CM1		1985	02	15.12604	10	56	10.27	+10	23	44.1	809
1985	CM1		1985	02	15.13090	10	56	10.00	+10	23	46.7	809
1985	CM1		1985	02	17.25174	10	54	29.95	+10	41	45.9	809
1985	CM1		1985	02	17.25799	10	54	29.65	+10	41	48.8	809
1985	CM1		1985	02	17.26424	10	54	29.35	+10	41	51.8	809
1985	CM1		1985	02	18.20625	10	53	43.78	+10	49	56.8	809
1985	CM1		1985	02	18.21181	10	53	43.52	+10	49	59.5	809
1985	CM1		1985	02	18.21736	10	53	43.25	+10	50	02.5	809
1985	CM1		1985	02	19.23264	10	52	52.61	+10	58	50.2	809
1985	CM1		1985	02	19.23819	10	52	52.35	+10	58	52.9	809
1985	CM1		1985	02	19.24375	10	52	52.09	+10	58	55.6	809
1985	CM1		1985	02	20.24236	10	52	01.35	+11	07	35.2	809
1985	CM1		1985	02	20.24792	10	52	01.05	+11	07	38.3	809
1985	CM1		1985	02	20.25347	10	52	00.79	+11	07	42.2	809
1985	CM1		1985	02	21.25694	10	51	09.15	+11	16	26.3	809
1985	CM1		1985	02	21.26250	10	51	08.86	+11	16	29.3	809
1985	CM1		1985	02	21.26806	10	51	08.57	+11	16	32.2	809
1985	CM1		1985	02	24.19479	10	48	33.76	+11	42	10.4	809
1985	CM1		1985	02	24.19965	10	48	33.40	+11	42	13.3	809
1985	CM1		1985	02	24.20451	10	48	33.08	+11	42	16.0	809
1985	CM1		1985	02	27.23785	10	45	47.83	+12	08	43.3	809
1985	CM1		1985	02	27.24375	10	45	47.47	+12	08	46.3	809
1985	CM1		1985	02	27.24965	10	45	47.11	+12	08	49.3	809
1985	CM1		1985	02	28.25139	10	44	52.08	+12	17	28.1	809
1985	CM1		1985	02	28.25694	10	44	51.76	+12	17	31.0	809
1985	CM1		1985	02	28.26250	10	44	51.46	+12	17	33.9	809
1985	CN1	*	1985	02	13.11528	10	59	16.44	+10	32	07.5	809
										17.6		
1985	CN1		1985	02	13.12083	10	59	16.15	+10	32	09.1	809
1985	CN1		1985	02	13.12639	10	59	15.84	+10	32	11.5	809
1985	CN1		1985	02	15.12118	10	57	35.01	+10	40	22.4	809

1985 CN1	1985 02 15.12604	10 57 34.74	+10 40 24.1	809
1985 CN1	1985 02 15.13090	10 57 34.48	+10 40 25.3	809
1985 CN1	1985 02 17.25174	10 55 41.10	+10 49 25.9	809
1985 CN1	1985 02 17.25799	10 55 40.77	+10 49 27.5	809
1985 CN1	1985 02 17.26424	10 55 40.45	+10 49 29.1	809
1985 CN1	1985 02 18.20625	10 54 48.81	+10 53 31.5	809
1985 CN1	1985 02 18.21181	10 54 48.54	+10 53 32.9	809
1985 CN1	1985 02 18.21736	10 54 48.24	+10 53 34.4	809
1985 CN1	1985 02 19.23264	10 53 51.22	+10 57 58.7	809
1985 CN1	1985 02 19.23819	10 53 50.90	+10 57 59.9	809
1985 CN1	1985 02 19.24375	10 53 50.62	+10 58 01.2	809
1985 CN1	1985 02 20.24236	10 52 53.44	+11 02 20.3	809
1985 CN1	1985 02 20.24792	10 52 53.13	+11 02 22.2	809
1985 CN1	1985 02 20.25347	10 52 52.84	+11 02 23.5	809
1985 CN1	1985 02 21.25694	10 51 54.89	+11 06 46.1	809
1985 CN1	1985 02 21.26250	10 51 54.57	+11 06 47.3	809
1985 CN1	1985 02 21.26806	10 51 54.28	+11 06 48.6	809
1985 CN1	1985 02 24.19479	10 49 01.15	+11 19 30.8	809
1985 CN1	1985 02 24.19965	10 49 00.90	+11 19 32.0	809
1985 CN1	1985 02 24.20451	10 49 00.56	+11 19 33.3	809
1985 CN1	1985 02 27.23785	10 45 56.82	+11 32 27.7	809
1985 CN1	1985 02 27.24375	10 45 56.42	+11 32 29.2	809
1985 CN1	1985 02 27.24965	10 45 56.08	+11 32 30.6	809
1985 CN1	1985 02 28.25139	10 44 54.96	+11 36 39.2	809
1985 CN1	1985 02 28.25694	10 44 54.64	+11 36 40.6	809
1985 CN1	1985 02 28.26250	10 44 54.30	+11 36 42.2	809

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ORBITAL ELEMENTS OF ONE-OPPOSITION MINOR PLANETS.

The orbit computers and authors of double designations are B = C. M. Bardwell, E = E. Bowell, g = A. C. Gilmore, K = G. R. Kastel', M = B. G. Marsden. For further information see MPC 7828.

Planet	B(1,0)	Epoch	M	Peri.	Node	Incl.	e	a	Arc	O	N	C
1981 EF30	15.0	810205	25.59	332.36	162.05	6.09	0.0656	2.3428	42	0		M
1981 FT	15.0	810317	353.70	117.36	60.03	3.99	0.0827	2.1755	32	7		M
1981 QK	15.5	810913	0.87	354.08	359.24	5.82	0.1866	2.2346	53	0		B
1981 QZ	13.0	810824	331.72	107.83	261.87	7.13	0.0808	2.6989	26	0		B
1981 QG1	14.0	810824	314.87	243.30	175.14	17.71	0.3133	2.9842	28	7		B
1981 RM	14.0	810913	66.78	347.38	277.88	5.25	0.1234	2.5724	21	7		B
1981 RU2	13.0	810913	339.63	122.71	272.51	8.96	0.1125	2.9917	46	4		B
1981 RR3	15.8	811003	12.69	181.07	169.73	5.90	0.2112	2.2345	52	4		K
1981 RU3	13.2	810913	48.59	123.44	185.18	5.06	0.1037	2.7772	52	4		B
1981 RV3	12.6	811003	64.57	168.50	118.51	2.05	0.1757	3.1168	52	4		K
1981 RS4	13.5	810913	15.37	308.00	24.46	1.02	0.2431	3.1731	44	4		B
1981 RV4	14.2	811003	30.87	148.33	176.88	7.30	0.1330	2.3234	48	4		K
1981 RW4	15.4	810923	349.93	334.04	42.98	3.87	0.2243	2.6137	48	4		K
1981 RC5	14.5	810923	28.04	146.09	175.14	14.11	0.2000	2.5854	48	4		K
1981 RD5	14.6	811003	354.06	208.31	165.70	5.73	0.1337	2.4432	48	4		K
1981 RF5	12.6	811003	29.42	280.23	52.04	2.77	0.0732	2.8977	48	6		K
1981 RG5	14.5	810923	10.66	328.29	19.68	6.99	0.1530	2.3625	48	4		K
1981 RJ5	13.8	811003	344.02	267.85	126.86	2.04	0.2502	3.1719	48	6		K
1981 RK5	13.3	810923	305.66	29.24	32.66	7.89	0.0385	2.7055	27	3		K
1981 SJ	16.5	810913	3.46	31.84	316.83	1.20	0.2125	2.3564	13	7		B
1981 SL	16.0	811003	19.48	140.27	195.65	7.02	0.2572	2.3798	32	5		B

1981	ST	12.5	811003	17.41	166.19	175.60	16.86	0.0453	3.1133	31 0	B
1981	SE1	14.5	810913	57.28	128.78	160.61	4.29	0.1677	2.2533	52 8	B
1981	SN1	14.5	811003	0.38	228.20	145.30	2.35	0.3190	3.0493	37 9	B
1981	SQ1	13.5	811003	16.08	176.99	174.53	2.69	0.1973	3.0919	37 8	1 B
1981	SY1	15.0	810913	48.40	332.20	319.08	3.76	0.1535	2.2621	32 5	B
1981	SD2	15.0	811003	347.00	345.70	34.71	6.40	0.1322	2.3849	48 0	B
1981	SE2	15.5	810913	359.66	250.79	106.09	3.28	0.2098	2.4437	10 6	B
1981	SF2	14.0	810913	282.25	347.75	104.96	4.10	0.1473	2.4103	26 7	B
1981	SU2	15.5	810913	324.89	83.78	312.81	2.13	0.1347	2.2715	33 6	B
1981	SD4	13.6	810923	317.98	127.25	270.19	3.15	0.0354	2.7861	10 3	K
1981	SA5	13.5	810913	67.28	85.72	193.45	1.75	0.1154	2.8811	10 3	2 B
1981	SM5	15.0	811003	17.72	170.21	190.39	2.97	0.1149	2.2761	29 3	B
1981	SS5	13.5	811003	125.18	317.10	300.49	4.50	0.0846	2.3871	58 6	K
1981	SW6	12.6	811003	340.93	225.58	171.98	9.29	0.0508	3.1543	28 3	K
1981	SZ6	15.9	811003	352.62	313.81	72.68	2.07	0.2011	2.3405	29 5	K
1981	SA7	13.9	811003	336.83	353.80	54.52	6.60	0.1757	2.6172	28 3	K
1981	SC7	15.2	811003	354.25	344.80	40.03	8.70	0.2440	2.5360	29 4	K
1981	SE7	14.3	811003	30.30	270.70	67.37	6.52	0.1207	2.6716	28 3	K
1981	SW7	14.0	811023	27.73	61.41	297.45	5.23	0.1844	3.0854	57 3	B
1981	SX7	13.6	811023	322.28	185.73	254.87	4.91	0.0439	3.3877	57 4	K
1981	SZ7	13.5	811023	43.02	302.34	31.63	13.58	0.2292	2.8494	57 4	B
1981	TP	14.5	810913	351.64	336.19	25.80	1.01	0.1961	3.1540	28 6	B
1981	TW	13.5	810913	316.17	101.71	305.72	2.14	0.1052	3.0787	50 0	B
1981	TZ	15.5	811003	5.30	358.03	357.09	8.96	0.1653	2.7919	27 4	B
1981	TP1	12.5	811003	222.99	287.59	250.67	12.94	0.0259	3.0611	22 4	B
1981	TG2	13.7	811023	29.23	248.68	117.09	3.09	0.0580	2.8258	24 4	K
1981	TB3	12.5	811003	212.82	38.00	132.07	1.53	0.1078	3.1027	26 5	1 B
1981	TC3	14.4	811013	53.33	60.68	245.11	2.27	0.1974	2.3749	21 3	K
1981	TE3	12.9	811013	56.17	89.68	207.17	15.29	0.2497	3.0840	21 3	K
1981	TH3	15.5	811003	31.97	162.34	171.39	4.55	0.2394	2.2140	18 3	B
1981	TJ3	14.2	811023	357.73	288.16	112.02	2.89	0.2230	3.1860	22 4	K
1981	TM3	14.4	811023	100.24	242.40	17.93	6.99	0.1364	2.2572	17 3	K
1981	TN3	13.0	811003	88.77	84.15	174.13	2.64	0.2114	2.9725	17 3	2 B
1981	TO3	13.6	811023	21.52	258.77	85.78	1.79	0.1699	3.2105	17 3	K
1981	TH4	13.5	811023	342.03	103.76	329.74	6.32	0.2241	3.1602	17 3	K
1981	TJ4	13.3	811023	55.25	306.43	26.54	10.66	0.1620	3.0970	17 3	K
1981	TL4	14.0	811003	104.35	10.90	276.42	5.25	0.0796	2.2894	17 3	B
1981	UN	14.5	811023	22.72	126.98	244.36	1.85	0.0936	2.2338	59 0	1 B
1981	UB1	13.0	811003	321.88	296.43	147.04	1.13	0.2039	3.1462	35 6	B
1981	UC1	15.0	811023	30.31	275.30	75.35	1.54	0.1397	2.1934	6 4	2 B
1981	UA2	16.0	811023	15.77	118.62	255.65	2.31	0.2349	2.3729	33 5	B
1981	UD2	14.0	811023	7.61	162.18	229.59	12.37	0.1561	2.6850	33 5	B
1981	UJ4	14.5	811023	269.52	136.59	24.35	2.55	0.2348	2.2053	8 4	B
1981	UZ6	14.5	811023	0.13	355.45	47.90	5.55	0.1393	2.1764	7 5	B
1981	UZ9	15.5	811023	341.69	20.64	41.93	6.83	0.2489	2.1912	28 7	B
1981	UA10	15.0	811112	29.85	254.87	112.79	5.78	0.2155	2.4525	39 4	B
1981	UB10	14.5	811112	42.15	311.75	45.84	8.04	0.1617	2.3800	39 6	B
1981	UC10	15.0	811112	21.68	24.95	358.97	1.96	0.1683	2.3772	39 4	B
1981	UE10	13.0	811003	30.58	195.10	143.99	2.07	0.1738	3.1672	33 4	B
1981	UL10	16.0	811023	358.74	305.90	89.90	5.12	0.1997	2.2385	7 5	B
1981	UK11	15.9	811023	19.25	221.64	140.49	2.86	0.2070	2.3185	6 3	K
1981	UN11	13.8	811023	347.52	229.81	180.42	7.02	0.1338	3.0498	6 3	K
1981	UO11	15.9	811023	341.70	303.10	114.39	3.86	0.1569	2.2125	6 3	K
1981	UP11	14.0	811023	40.57	148.59	196.30	11.02	0.1020	2.5020	6 3	K
1981	UQ11	15.4	811023	333.41	349.32	79.76	3.40	0.1496	2.3256	6 3	K
1981	US11	15.7	811023	3.18	207.46	180.85	7.58	0.2227	2.6823	6 3	K
1981	UU11	15.6	811023	1.96	197.28	194.20	6.31	0.1972	2.6375	6 3	K
1981	UN12	14.3	811023	353.93	91.50	328.85	2.48	0.1389	2.5042	5 3	K
1981	UY15	13.2	811023	292.12	88.56	43.57	11.50	0.1140	2.4686	5 3	K

1981	VF	15.0	811112	31.03	320.69	31.80	4.87	0.2494	2.3687	39	9	B
1981	VK	14.0	811023	32.85	326.81	23.31	0.74	0.1916	3.1273	31	6	B
1981	VN	14.0	811112	350.65	15.56	39.57	15.92	0.1074	2.6208	39	0	B
1981	VO	14.0	811023	29.96	260.96	88.12	3.45	0.2309	2.6370	56	0	B
1981	VP	16.5	811023	6.66	154.63	229.77	3.68	0.2396	2.2525	12	5	B
1981	VS	13.5	811112	354.99	203.92	206.57	8.93	0.2900	2.7746	56	0	B
1981	VC1	15.0	811003	6.56	316.02	49.77	2.95	0.1615	2.2005	34	8	B
1981	VP2	14.0	811003	1.13	283.17	95.73	2.85	0.3110	3.1574	39	6	B
1981	WC	14.0	811112	19.62	307.03	64.56	9.54	0.3364	3.0739	56	0	B
1981	WH	15.5	811112	357.05	272.58	136.08	4.03	0.2830	2.3717	72	0	B
1981	WO	13.0	811112	64.57	290.64	25.87	12.25	0.1861	2.9000	8	5	B
1981	WP	14.0	811023	40.61	309.07	26.34	9.44	0.2370	2.7317	59	7	B
1981	WQ	14.0	811023	286.29	74.82	54.14	7.76	0.1542	2.2812	59	7	B
1981	WB1	15.0	811112	342.24	244.00	193.34	5.37	0.1567	2.2677	66	0	B
1981	WE1	14.5	811112	12.70	186.95	201.49	10.65	0.2828	2.7811	55	8	B
1981	WG1	13.5	811112	352.51	281.39	142.78	9.06	0.1389	2.8079	35	5	B
1981	WK2	13.0	811023	347.92	330.95	62.06	2.91	0.0531	2.9012	24	6	B
1981	WM4	13.5	811112	33.79	95.02	251.80	11.20	0.2803	2.8843	7	3	B
1981	XC2	14.0	811112	315.28	298.83	170.69	7.76	0.0418	2.3262	7	0	B
1981	XH2	13.0	811112	23.92	136.90	243.95	8.27	0.2517	3.0432	61	7	B
1981	XJ2	14.0	811202	342.79	47.99	50.55	3.05	0.1304	2.4487	31	5	B
1981	YR	13.0	811202	198.72	162.41	86.45	3.62	0.0789	2.8321	34	5	B
1981	YP1	15.5	811202	10.37	345.36	71.05	11.44	0.2715	2.8580	31	4	B
1981	YU1	15.0	811202	27.48	343.07	57.43	3.22	0.1383	2.3735	31	4	B
1981	YX1	13.5	811202	274.27	290.78	231.57	5.21	0.0582	2.4226	28	3	B
1982	BM	13.5	811222	307.49	234.97	306.24	3.99	0.1769	2.7781	27	9	B
1984	SL5	15.5	841007	340.42	52.26	355.81	13.14	0.2886	2.6787	27	5	M
1984	UX1	15.0	841007	326.79	28.10	42.09	6.93	0.1267	2.4102	10	5	M
1984	WJ1	15.0	841206	35.65	351.41	33.98	10.74	0.2029	2.3188	38	6	M
1984	WQ1	14.0	841206	33.29	59.28	320.36	2.20	0.2741	3.0562	37	5	M
1984	YD	14.0	841226	341.79	44.74	76.40	6.60	0.2386	3.0165	8	6	2 M
1984	YY	14.0	841206	67.74	277.81	64.13	1.46	0.2419	2.2253	10	6	2 M
1984	YH1	13.7	841216	73.85	42.73	298.58	2.90	0.1879	2.6910	10	3	K
1984	YK1	15.7	841216	334.85	56.06	67.32	2.66	0.2775	2.4845	10	3	K
1984	YL1	16.0	841216	338.75	42.82	64.81	6.18	0.1411	2.2659	10	3	K
1984	YM1	14.1	841216	249.53	231.35	325.59	5.24	0.0711	2.2209	10	3	K
1984	YN1	15.5	841216	35.78	4.09	25.14	3.07	0.1784	2.4446	10	3	K
1984	YO1	15.0	841206	335.09	55.85	54.48	4.19	0.1563	2.2548	10	3	M
1984	YO2	15.5	841226	8.53	192.59	237.22	3.81	0.2596	2.2844	6	3	M
1984	YV2	15.0	841226	53.94	128.61	232.95	6.22	0.2684	2.1637	6	3	2 M
1984	YZ3	13.0	841226	3.61	1.17	85.33	16.84	0.2901	2.8505	4	4	2 M
1984	YA4	12.5	841226	109.37	255.05	67.45	4.02	0.2177	2.8619	4	3	M
1984	YB4	13.8	841226	102.63	42.79	293.99	8.56	0.1278	2.5576	4	4	K
1984	YC4	14.6	841226	20.85	41.17	25.53	2.85	0.1254	2.6025	4	3	K
1984	YE4	14.5	841226	50.29	314.23	77.23	8.45	0.1265	2.4668	4	4	M
1984	YG4	15.5	841226	349.12	90.77	24.09	1.24	0.2952	2.9650	4	3	2 M
1984	YH4	14.0	841226	45.10	329.08	70.79	6.25	0.1053	2.7514	4	4	M
1985	BH	14.5	841226	85.30	260.38	111.38	5.80	0.1614	2.2659	22	5	M
1985	CM1	15.5	850204	317.42	68.87	132.45	4.88	0.0946	2.2976	15	0	M
1985	CN1	15.5	850204	356.45	142.04	12.56	3.18	0.1001	2.3006	15	0	M
1985	GB	12.8	850425	10.45	154.27	41.36	2.31	0.1056	3.2398	31	6	E
1985	GK	14.0	850425	57.36	295.61	203.51	13.85	0.1417	2.7432	31	5	M
1985	GM	13.0	850425	260.18	225.17	87.38	3.22	0.0103	2.9090	31	6	E
1985	GO	14.9	850425	343.44	123.25	100.65	4.42	0.1029	2.2473	33	6	E
1985	GW	14.4	850425	56.44	35.10	101.45	7.74	0.1373	2.4689	30	6	E
1985	GX	13.4	850425	68.78	315.87	163.27	13.59	0.1849	2.6841	30	6	E
1985	GA1	15.0	850425	313.89	141.28	132.26	5.91	0.1720	2.2239	30	6	E
1985	GE1	14.0	850425	2.14	354.10	218.88	5.51	0.1200	2.2931	36	6	E
1985	HB	12.5	850425	23.33	73.86	109.44	11.50	0.0433	3.0102	21	6	M

1985 KA	14.5	850515	297.50	79.94	249.72	22.23	0.2941	2.3621	31 0	M
1985 KB	13.5	850515	331.70	240.57	31.80	13.44	0.1505	2.6036	50 0	M
1985 ND	14.0	850714	268.28	25.36	359.51	7.28	0.0518	2.2075	10 6	g
1985 NE	14.0	850714	31.19	245.48	357.65	6.81	0.1898	2.5494	10 8	g
1985 OB	14.5	850714	1.58	2.67	295.94	14.44	0.2184	2.6685	4 5	M
1985 OD	13.5	850714	358.81	176.91	128.64	5.22	0.1663	2.9864	4 5 2	M
1985 OL	15.0	850714	339.85	201.33	131.17	7.05	0.2075	2.3354	6 6	M

Note 1: double designations 1981 SQ1 = 1981 VB1 (B); 1981 TB3 = 1981 VA3 (B);
1981 UN = 1981 XE (M, MPC 6630). 2: e assumed.

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ORBITAL ELEMENTS BY K. HURUKAWA, TOKYO ASTRONOMICAL OBSERVATORY.

The following orbital elements are from JAM 1915-1918. The identifications are by K. Hurukawa unless otherwise stated.

(3289)* 1934 RP = 1973 SQ2

Discovered 1934 Sept. 7 by K. Reinmuth at Heidelberg. The identification is by H. Oishi (MPC 9069).

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5

M	125.59574	(1950.0)	P	Q
n	0.27762222	Peri. 351.62168	+0.79209427	-0.60999905
a	2.3271975	Node 45.99202	+0.56176767	+0.71435655
e	0.2072152	Incl. 1.75975	+0.23875459	+0.34292255
P	3.55	B(1,0) 15.4		

Residuals in seconds of arc

340907 024	1.2+	2.2-	730923 095	(20.6+ 20.0+)	841127 801	0.2+	1.6+
340908 024	0.9-	1.6+	730925 095	1.1- 0.4+	841223 801	0.2-	0.8+
340917 024	1.1+	1.8+	730928 095	1.3+ 1.0-	850221 801	0.4-	0.0
341008 024	1.8-	0.4-	841120 688	0.3- 1.0-			
730922 095	0.7-	3.9-	841120 688	0.6+ 1.6-			

(3290)* 1973 SZ1 = 1982 VX2

Discovered 1973 Sept. 19 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5

M	7.13364	(1950.0)	P	Q
n	0.12410791	Peri. 117.87275	-0.97427234	+0.22050157
a	3.9804889	Node 74.89666	-0.22000578	-0.88563588
e	0.1224224	Incl. 2.76717	-0.04889654	-0.40869076
P	7.94	B(1,0) 12.7		

Residuals in seconds of arc

730919 675	0.6+	0.7+	731005 675	0.7+ 0.5+	850414 691	0.2-	0.4-
730920 675	1.2+	1.1+	821114 381	2.0+ 0.7-	850414 691	0.1+	0.2-
730925 675	0.7-	0.4-	821114 381	1.0- 1.2-	850414 691	0.0+	0.0-
730929 675	0.2-	1.3+	821213 381	0.6+ 0.3+	850414 691	0.3-	0.1+
730929 675	0.9-	0.2+	821213 381	1.3+ 1.6+	850425 691	0.8+	0.3+
730930 675	0.2-	0.1-	821214 381	0.3- 0.8-	850425 691	0.9+	0.2+
730930 675	0.5-	1.4-	821214 381	2.4- 0.3-	850425 691	0.9+	0.2+
731004 675	0.9-	0.7+	840421 675	0.1+ 0.3-	850425 691	1.0+	0.1+
731004 675	0.6-	0.2+	850216 801	0.0- 1.3+			
731005 675	0.2+	0.0+	850321 801	1.9- 0.4+			

(3291)* 1982 VX3 = 1974 HE2

Discovered 1982 Nov. 14 by H. Kosai and K. Hurukawa at the Tokyo Observatory's Kiso Station.

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5

M	276.01539		(1950.0)		P		Q
n	0.17606782	Peri.	170.82013		+0.78690658		+0.61684123
a	3.1527006	Node	151.07286		-0.56831689		+0.73511842
e	0.0920473	Incl.	1.99988		-0.24040372		+0.28126110
P	5.60	B(1,0)	13.4				

Residuals in seconds of arc

740424	805	1.3-	6.2-	821213	381	0.2-	0.6-	840303	801	0.3-	0.3+
740425	805	0.8-	0.6+	821214	381	0.4+	0.4-	840305	801	0.7-	1.1+
821114	381	0.8+	0.1-	821214	381	0.0-	0.8-	850326	801	0.4-	1.6+
821114	381	0.3+	1.4-	840109	801	0.9+	0.4+	850425	801	1.4+	0.7+
821213	381	0.3-	0.7-	840202	801	0.1+	0.3-				

(3292)* 2631 P-L = 1954 TR = 1977 SX

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

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5

M	130.46823		(1950.0)		P		Q
n	0.17543455	Peri.	22.55552		+0.51263879		-0.85844710
a	3.1602829	Node	36.61051		+0.78345027		+0.45985080
e	0.1748177	Incl.	1.57899		+0.35129353		+0.22716912
P	5.62	B(1,0)	13.5				

Residuals in seconds of arc

541003	711	0.6-	0.7+	600926	675	0.4+	0.3+	601025	675	0.4+	0.1-
541003	711	0.4-	0.4+	600927	675	0.1+	0.2+	601026	675	0.3-	0.7-
541004	711	1.7+	2.8-	600928	675	0.2-	0.7-	770918	095	0.1+	0.1-
600924	675	0.6+	0.8+	601017	675	0.4+	0.2+	850221	801	0.3+	1.1-
600924	675	1.3-	0.3+	601022	675	0.4-	0.1+	850322	801	0.9-	0.3-

(3293)* 4650 P-L = 1970 GN1 = 1981 ES

Discovered 1960 Sept. 24 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels. The identification 4650 P-L = 1981 ES was found independently by O. Kippes (MPC 9300).

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5

M	55.01955		(1950.0)		P		Q
n	0.26523524	Peri.	208.04404		-0.79509231		+0.60645849
a	2.3991012	Node	9.29698		-0.54920322		-0.71574110
e	0.1382581	Incl.	2.13807		-0.25730145		-0.34629869
P	3.72	B(1,0)	14.9				

Residuals in seconds of arc

600924	675	0.2-	0.2+	700411	805	1.9-	1.9-	810309	809	0.2+	0.3+
600924	675	0.2+	0.5-	700411	805	1.1-	3.4-	810310	809	0.8+	0.6+
600925	675	0.3+	0.6+	700411	805	1.6-	4.2-	810310	809	1.1+	0.4+
600926	675	0.8+	0.2-	810302	809	0.7-	0.3+	810310	809	1.4+	0.3+
600928	675	1.3+	0.5-	810302	809	0.8-	0.3+	850220	801	1.0-	0.3-
601017	675	0.2-	1.0-	810302	809	0.1-	0.0-	850418	801	0.8+	0.9-
601022	675	0.1+	0.2-	810304	809	0.6-	0.3+	850425	688	0.4+	1.4+
601022	675	0.2+	2.1-	810304	809	0.1+	0.1+	850425	688	1.0-	1.0+
601024	675	0.7+	1.3-	810304	809	0.4+	0.3-	850525	801	1.8+	1.5+
601025	675	0.1+	1.4-	810309	809	0.6-	0.2-				
601026	675	0.0+	0.5+	810309	809	0.0-	0.1+				

(3294)* 6563 P-L = 1958 DT = 1976 GT4 = 1980 BS1

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

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5

M	89.29196	(1950.0)	P	Q	
n	0.22258731	Peri.	153.49796	-0.94120604	-0.33752437
a	2.6965126	Node	6.82389	+0.28434492	-0.81454350
e	0.0707996	Incl.	6.98020	+0.18242578	-0.47180101
P	4.43	B(1,0)	13.8		

Residuals in seconds of arc

580224	760	2.0+	0.6+	601017	675	1.2-	0.7+	800123	095	0.4-	0.9-
580224	760	0.1-	1.2+	601022	675	0.8-	1.1+	850324	688	1.6+	0.1-
600924	675	0.1-	0.2+	601024	675	0.1-	0.1+	850324	688	0.6+	0.4+
600926	675	0.4-	0.1+	601026	675	0.2-	0.4+	850326	801	1.5+	1.0+
600928	675	0.8+	0.6+	760402	095	2.6-	0.6+	850417	801	0.7-	0.2+

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ORBITAL ELEMENTS BY T. URATA, SHIMIZU, JAPAN.

The following orbital elements are from NOC 1518-1522. The identifications are by T. Urata unless otherwise stated.

(3295)* 1950 DH = 1970 PF = 1979 QO8

Discovered 1950 Feb. 17 by K. Reinmuth at Heidelberg.

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5

M	125.07776	(1950.0)	P	Q	
n	0.22258901	Peri.	217.64935	+0.89981053	-0.43512028
a	2.6964988	Node	168.02018	+0.42817917	+0.86676944
e	0.2539540	Incl.	8.81314	+0.08368758	+0.24368236
P	4.43	B(1,0)	14.0		

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

500217	024	0.2-	0.2-	790828	095	1.5+	2.1+	841223	801	0.3+	0.1+
500223	024	0.1+	5.8-	790923	095	0.1+	1.1-	850122	801	0.5-	1.1+
500307	024	1.4-	1.6-	791016	095	0.2+	3.8-	850129	511	0.2-	0.0
700803	095	0.9+	4.4-	820422	372	(0.04+	0.00-)	850130	511	0.5+	1.2+
790820	095	1.6-	1.2+	820422	372	(0.04+	0.00-)	850216	801	0.3-	0.7-

(3296)* 1975 SF = 1971 UN3 = 1981 AV

Discovered 1975 Sept. 30 at the Felix Aguilar Observatory's El Leoncito Station.

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5

M	111.95989	(1950.0)	P	Q	
n	0.22774518	Peri.	269.15747	+0.90131667	-0.37189378
a	2.6556444	Node	112.65037	+0.42618074	+0.85303580
e	0.1945818	Incl.	13.92486	-0.07744828	+0.36609416
P	4.33	B(1,0)	13.5		

Residuals in seconds of arc

711030	095	2.5-	0.4-	751009	808	0.4+	0.4+	841127	688	2.0+	1.5-
750930	808	1.3+	0.2-	751009	808	0.0	0.5+	841222	567	2.5-	2.7+
751003	808	0.1+	0.1+	810101	688	1.7-	1.0+	841222	567	2.5-	2.5+
751003	808	0.6+	0.3-	810109	688	0.0	0.8+	841222	567	1.4-	2.1+
751004	808	0.4+	0.3+	810110	330	0.1-	0.3-	841222	552	0.8-	1.8-
751004	808	0.3+	0.6-	810114	688	4.6+	3.0-	841222	552	0.3-	0.2-
751007	808	0.2+	0.0	830710	801	0.9-	1.8+	841223	046	0.7+	0.7-
751007	808	0.7-	0.5-	841127	688	2.5+	1.8-	841223	046	0.6-	0.8+

(3297)* 1978 WN14 = 1972 TU = 1980 DY

Discovered 1978 Nov. 26 at the Purple Mountain Observatory. The key identification 1978 WN14 = 1980 DY is by T. Furuta (JAM 1112).

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5

M	101.76875		(1950.0)		P		Q
n	0.17676089	Peri.	292.30078		+0.71592053		-0.69712236
a	3.1444541	Node	111.91998		+0.65482733		+0.65134285
e	0.1646434	Incl.	2.37522		+0.24219613		+0.29962126
P	5.58	B(1,0)	13.5				

Residuals in seconds of arc

721007	095	1.0+	4.1+	781206	675	1.5-	1.0-	800223	046	0.7+	0.9+
781124	049	0.2-	0.5-	781206	675	0.4-	0.5-	830902	688	1.5+	3.4-
781124	049	0.6-	0.8-	800214	046	1.0-	1.4+	830902	688	0.3-	2.7-
781124	049	0.3-	0.1-	800214	046	0.0	0.7+	830907	801	0.0	1.2+
781124	049	0.1+	0.7-	800215	046	0.8-	3.2-	841221	801	0.9+	1.3+
781126	330	1.0+	0.5-	800215	046	1.6+	0.8-	841228	095	(2.4-	0.3-)
781130	330	2.4-	1.5+	800219	046	1.1-	1.7-	850120	801	0.3+	0.6+
781203	675	0.2-	0.4-	800219	046	1.0-	1.1-	850120	688	1.1+	0.4+
781203	675	0.4-	0.4-	800221	046	(8.2-	6.3-)	850120	688	1.5+	0.2-
781205	675	1.1+	0.2+	800221	046	(5.6-	10.4-)				
781205	675	0.6+	0.2-	800223	046	1.1-	0.4+				

(3298)* 1979 OB15 = 1950 NE = 1950 NO = 1972 RT = 1983 VC

Discovered 1979 July 21 by N. S. Chernykh at the Crimean Astrophysical Observatory. The double designation 1950 NE = 1950 NO is by O. Kippes (MPC 1331).

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5

M	254.55432		(1950.0)		P		Q
n	0.27306206	Peri.	50.67626		+0.90938410		+0.41368971
a	2.3530355	Node	284.84807		-0.39409515		+0.82352927
e	0.1924654	Incl.	2.57192		-0.13307731		+0.38814993
P	3.61	B(1,0)	14.5				

Residuals in seconds of arc

500706	078	4.1-	2.8-	790819	095	1.8+	0.8-	831101	372	1.7-	2.6-
500710	760	4.0+	0.2+	831101	372	1.7-	2.6-	831101	372	4.1-	0.6-
720907	095	1.6+	0.1-	831101	372	4.1-	0.6-	831106	372	2.6+	0.3+
790721	095	2.8-	3.1+	831106	372	2.6+	0.3+	831106	372	0.6+	2.7+
790730	095	0.1-	1.2+	831106	372	0.6+	2.7+	840104	801	0.5-	0.0

(3299)* 1980 TX5 = 1982 FB1

Discovered 1980 Oct. 10 by C. Shoemaker at Palomar. The identification is by T. Furuta (JAM 1263).

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5

M	66.64667		(1950.0)		P		Q
n	0.28628976	Peri.	241.56257		-0.67761044		-0.72985297
a	2.2799860	Node	251.39089		+0.70365282		-0.60772176
e	0.0789465	Incl.	5.46909		+0.21381487		-0.31303181
P	3.44	B(1,0)	14.5				

Residuals in seconds of arc

801007	675	1.1-	0.1+	820326	046	2.5-	1.0+	830816	801	2.8+	1.2+
801008	675	0.7+	1.5-	820326	046	0.8-	1.7-	841221	801	0.1+	0.4+
801010	675	0.5+	1.1+	820326	046	1.8-	0.4-	841226	293	1.7+	0.8-
820323	046	2.2+	0.4+	820331	809	0.6+	0.0	850119	688	1.8-	0.5+
820323	046	1.0+	1.9+	820331	809	0.7+	0.1-	850120	801	0.6+	1.6+
820324	046	0.9+	1.1-	820331	809	0.9+	0.2+	850120	688	1.8+	0.0
820324	046	2.1+	0.9-	830710	801	3.4-	1.5-	850120	688	2.4-	1.4-
820325	046	3.3-	0.5+	830714	801	0.3+	0.4+				

ORBITAL ELEMENTS BY H. OISHI, NIIZA, JAPAN.

The following orbital elements are from JAM 1913-1915 and 1919-1920. The identifications are by H. Oishi unless otherwise stated.

1957 HK = 1953 FE1 = 1972 GG = 1983 CW2

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)

M	199.27049		(1950.0)		P		Q
n	0.26271266	Peri.	31.37925	-0.50280730		+0.86188269	
a	2.4144390	Node	208.59208	-0.81882744		-0.49934089	
e	0.1080305	Incl.	7.91510	-0.27695927		-0.08841332	
P	3.75	B(1,0)	13.4				

Residuals in seconds of arc

530320	760	1.7+	1.6+	570501	839	1.6+	1.3+	720414	095	1.6-	1.1-
530320	760	1.8-	0.3+	570507	839	0.7-	1.4+	830215	688	0.1+	0.6-
570424	839	0.2+	0.0	570524	839	0.5+	2.2-	830215	688	0.2+	1.2-

1975 EA6 = 1943 DC = 1947 LN = 1968 DM = 1982 BT2 = 1983 NS

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)

M	297.74119		(1950.0)		P		Q
n	0.27558748	Peri.	127.14599	-0.61972468		+0.78425265	
a	2.3386430	Node	104.53124	-0.72943902		-0.56155944	
e	0.1578708	Incl.	1.76517	-0.28958597		-0.26381580	
P	3.58	B(1,0)	14.4				

Residuals in seconds of arc

430227	024	0.7+	1.6+	750306	095	1.2+	0.1-	820121	046	0.5-	1.2-
470615	690	(23.0+	26.9-)X	750308	095	1.0-	0.6-	820121	046	2.4-	1.8-
470616	690	(17.7+	21.7-)X	750312	095	0.0	3.0-	830711	688	0.9+	0.9-
680225	095	0.8+	1.7-	750315	095	1.3+	0.8-	830711	688	2.1+	0.9-
680325	095	4.1-	4.7+	820120	046	0.4-	0.1+	830713	688	1.8+	1.9-
680327	095	2.3+	2.5-	820120	046	1.2+	0.3-	830713	688	3.1-	1.3-

1976 SF = 1954 XD = 1982 UW = 1982 VV5

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)

M	194.43039		(1950.0)		P		Q
n	0.17414294	Peri.	252.77520	+0.78178077		-0.62338542	
a	3.1758964	Node	145.78453	+0.58140717		+0.72035573	
e	0.1450718	Incl.	1.47478	+0.22535422		+0.30410234	
P	5.66	B(1,0)	13.1				

Residuals in seconds of arc

541201	024	0.0	0.1-	760928	095	1.2+	1.1-	821021	688	2.4+	2.3-
760920	049	0.1+	0.2+	760929	049	0.3+	0.5-	821107	095	1.5-	0.5-
760920	049	1.5+	0.9+	Y	760929	049	0.8-	821108	095	0.4-	0.9+
760920	049	0.4+	0.5+	760930	049	0.2+	0.2+	821108	095	1.8-	3.6+
760920	049	0.4-	0.8+	760930	049	0.1+	0.9+				
760925	095	2.7-	0.9-	821021	688	1.4+	2.0-				

1976 SD3 = 1982 SV4 = 1982 UL

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)

M	110.57234		(1950.0)		P		Q
n	0.16996269	Peri.	74.54400	-0.29046388		-0.95630393	
a	3.2277596	Node	32.40176	+0.85227224		-0.27440581	
e	0.0288817	Incl.	3.57034	+0.43504340		-0.10091704	
P	5.80	B(1,0)	12.9				

Residuals in seconds of arc

760924	095	0.4-	0.5-	761026	095	0.6-	0.5+	821017	688	1.4-	2.4-
760929	095	1.0+	0.0	820926	095	0.6+	1.8+	821017	688	0.7+	0.7+

1976 SZ9 = 1982 TX1 = 1982 VH10

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)

M 197.70496	(1950.0)		P	Q
n 0.17271612	Peri.	21.29815	+0.84186294	-0.53953428
a 3.1933633	Node	11.38106	+0.48510812	+0.74592509
e 0.2058115	Incl.	3.78346	+0.23650985	+0.39051058
P 5.71	B(1,0)	13.8		

Residuals in seconds of arc

760920 049	0.2-	0.4-	760929 049	0.3+	0.7-	821022 095	1.2+	0.7+
760920 049	0.2-	0.1-	760929 049	1.1-	0.5-	821022 095	1.4-	0.4-
760920 049	0.2-	0.4+	760930 049	0.1+	1.1+	821024 095	1.0+	0.6-
760925 095	0.5+	0.2+	760930 049	0.3-	1.0+	821112 095	1.9-	0.8+
760928 095	0.9+	0.8-	821014 095	1.1+	0.7-			

1977 EJ5 = 1965 AE1 = 1974 SP2 = 1974 TH = 1979 OM1 = 1980 TU14

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)

M 342.48497	(1950.0)		P	Q
n 0.17529088	Peri.	109.39696	+0.93489018	-0.34874524
a 3.1620158	Node	271.05792	+0.29580452	+0.86832658
e 0.1607187	Incl.	3.78540	+0.19616330	+0.35268358
P 5.62	B(1,0)	13.3		

Residuals in seconds of arc

650111 330	1.8-	1.4-	770314 381	0.9+	0.5+	790724 413	1.6+	0.7-
740920 095	0.1-	4.8+	770314 381	1.0+	0.6-	790725 675	1.0-	0.2-
740922 095	1.2+	2.7-	770315 381	0.5+	0.9+	790727 675	1.0+	0.3-
741009 095	(5.3-	12.1+)	770315 381	0.9+	0.1+	790730 095	1.0-	0.2-
770312 381	0.1-	1.5+	790721 095	0.7-	1.3+	801015 095	1.3-	1.2+
770312 381	0.4+	1.3+	790724 675	1.5-	0.1-	801017 095	0.1+	0.7+

1981 NU = 1981 NS1 = 1981 OC = 1935 KF = 1952 KA = 1974 EC = 1974 FX1

The double designation 1974 EC = 1974 FX1 was found by B. G.

Marsden (MPC 4576) and also by O. Kippes.

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)

M 342.33512	(1950.0)		P	Q
n 0.17259986	Peri.	92.78441	-0.80695177	+0.58952936
a 3.1947971	Node	123.34186	-0.55747272	-0.74022540
e 0.1403004	Incl.	2.45831	-0.19507179	-0.32329784
P 5.71	B(1,0)	12.2		

Residuals in seconds of arc

350524 078	1.4-	3.5+	740315 095	1.6-	0.9-	810710 808	0.4-	0.8+
350529 078	1.7+	1.9-	740319 095	2.1-	2.3+	810710 808	2.8-	1.1+
520517 078	(4.6-	11.5-)	740326 808	1.1+	0.4+	810726 688	1.4+	0.8+
520524 711	0.7-	5.2-	740326 808	0.9+	0.0	810726 688	0.6+	0.3+
520525 711	0.7-	1.3-	810702 805	0.4+	3.2+			
740313 095	3.6+	2.9+	810702 805	0.5-	0.4+			

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ORBITAL ELEMENTS BY B. G. MARSDEN, SMITHSONIAN ASTROPHYSICAL OBSERVATORY.

The identifications are by B. G. Marsden unless otherwise stated.

(3300)* 1928 NA = 1933 GA = 1951 PD = 1952 UC1 = 1963 UE = 1969 XB
= 1974 QF2 = 1978 GV2 = 1980 TP12 = 1984 JM1

Discovered 1928 July 10 by H. E. Wood at Johannesburg.

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5

M	(1950.0)		P	Q	
n	0.17582541	Peri.	265.78989	+0.36024906	+0.92148751
a	3.1555977	Node	26.80410	-0.67577026	+0.36508441
e	0.2107155	Incl.	18.78273	-0.64308255	+0.13256747
P	5.61	B(1,0)	11.5		

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

280710	078	0.2+	2.5+	330418	012	1.0+	0.6+	631022	760	2.9-	1.0+
280710	078	1.2+	2.6+	330422	012	3.1+	2.9+	691201	095	3.8-	1.4-
280712	078	0.1+	0.8-	510801	078	(4.9+	2.5+)Y	740826	095	3.3+	1.2-
280715	078	1.6-	0.8+	510820	078	(13.1+	1.8+)Y	780411	095	0.6+	0.5-
330413	012	3.0+	4.1+	521024	760	(0.06+	0.00+)X	801010	095	1.2+	4.5+
330414	012	3.5+	0.3+	631018	760	0.7-	0.9+	840505	095	4.3-	0.6+
330415	012	3.1-	0.1-	631018	760	0.8-	0.7+	840518	095	1.0-	3.7-
330417	012	2.8+	0.6+	631022	760	0.6-	1.3+	840520	095	1.6-	1.9-

1931 TS2 = 1930 MH = 1934 FB = 1939 CM = 1939 EC = 1948 YB = 1971 HO
 = 1983 TC1 = 1984 WW

The identifications 1931 TS2 = 1984 WW and 1983 TC1 = 1984 WW are by E. Bowell and by A. Lowe, respectively.

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)

M	(1950.0)		P	Q	
n	0.18871140	Peri.	129.59520	-0.61535801	+0.76537632
a	3.0102657	Node	101.39485	-0.76923168	-0.53087715
e	0.0575593	Incl.	11.08669	-0.17209630	-0.36382487
P	5.22	B(1,0)	12.0		

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

300623	690	(60.2+	73.6-)X	481224	020	(0.08+	0.04-)X	841120	688	0.0	0.8-
311007	690	1.2+	0.9-	481227	020	(0.05+	0.02-)X	841127	688	0.0	0.9-
311009	690	4.9-	2.6+	710427	095	2.2-	2.2-	841127	688	0.8+	0.9-
311011	690	1.4+	0.5+	831009	688	1.3+	0.9-	841223	095	(0.0	1.2+)
340319	012	(0.00-	0.03+)X	831012	688	0.9+	0.2-	841227	095	(13.8-	3.9+)
390215	062	1.8+	0.7+	831012	688	0.8+	1.3-				
390311	029	(25.7+	60.9+)X	841120	688	1.0-	0.8-				

1971 UG1 = 1980 RT

The identification is by E. Bowell (MPC 5519).

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)

M	(1950.0)		P	Q	
n	0.20564434	Peri.	218.27722	+0.79886652	-0.60150782
a	2.8426654	Node	178.69998	+0.56002218	+0.74329172
e	0.0765297	Incl.	1.98249	+0.21951635	+0.29275545
P	4.79	B(1,0)	13.5		

Residuals in seconds of arc

711026	029	0.0	0.6-	711110	029	0.4+	1.8+	800904	688	0.9-	1.1-
711027	029	0.4-	1.1+	711119	029	0.9-	0.6-	800904	688	1.2+	0.1-
711030	029	0.3-	0.4+	711119	029	0.9+	0.3-	811125	095	0.4+	1.1+
711110	029	0.1-	0.4-	800902	688	0.5-	0.9+				

1981 SW = 1984 HN1

The identification is by W. Landgraf.

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)

M	(1950.0)		P	Q	
n	0.26314648	Peri.	93.82735	+0.46647598	+0.88393334
a	2.4117847	Node	204.06278	-0.83992899	+0.43110015
e	0.1935931	Incl.	4.58425	-0.27734355	+0.18114774
P	3.75	B(1,0)	14.0		

Residuals in seconds of arc

810902	095	0.5+	1.3-	810929	511	0.3+	0.5-	840428	809	0.4-	0.3+
810925	704	0.9+	2.7+	810929	511	0.4-	1.5-	840428	809	0.6-	0.3+
810925	704	0.4+	2.8+	810929	511	0.9-	1.3-	840501	809	0.5-	0.0
810927	704	0.2-	1.5+	811005	095	2.8+	0.5-	840501	809	0.3-	0.2+
810928	095	1.7+	1.3+	840427	809	0.5+	0.0	840505	809	0.2+	0.1-
810929	704	5.2-	3.3-	840427	809	0.7+	0.4-	840505	809	0.5+	0.2-

1984 AC1

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5

M	245.34376		(1950.0)		P		Q
n	0.29235282	Peri.	300.19156	+0.59966582			-0.79113512
a	2.2483532	Node	112.47308	+0.77169249			+0.53183113
e	0.2485668	Incl.	7.48921	+0.21187636			+0.30209413
P	3.37	B(1,0)	14.5				

Residuals in seconds of arc

840108	688	0.3-	1.0-	840130	704	2.1+	0.4-	850615	691	0.3+	0.8+
840108	688	0.6-	1.7-	840201	704	0.2-	4.6+	850615	691	0.4+	0.8+
840126	688	0.5+	2.6-	840204	688	0.8+	2.0-	850619	691	0.1-	0.5-
840126	688	0.5+	3.0-	840204	688	1.5+	2.5-	850619	691	0.6-	0.4-
840128	704	1.5-	2.2+	840307	801	0.7+	1.0+	850619	691	0.9-	2.2-
840128	704	2.3-	2.8+	840503	801	1.0-	0.1+				
840129	704	0.7-	2.5+	850615	691	0.6+	0.5+				

1984 QA

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5

M	181.11788		(1950.0)		P		Q
n	1.00102212	Peri.	54.82766	-0.88626047			+0.45609050
a	0.9897077	Node	152.04774	-0.46086325			-0.85085706
e	0.4685299	Incl.	9.92245	-0.04634048			-0.26081355
P	0.98	B(1,0)	19.0				

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

840830	675	(5.1-	3.8-)	840904	568	1.2+	0.1+	840921	474	0.8-	0.3-
840830	675	(4.4-	1.4-)	840904	568	0.5+	0.7-	840922	688	0.4-	0.3-
840831	675	0.1-	2.4-	840904	568	0.1+	1.1+	840922	688	0.9-	0.2-
840831	675	0.8-	1.0-	840904	568	0.2-	1.4+	840923	474	0.4-	0.4+
840831	675	1.2+	1.4-	840906	675	1.0+	0.3+	840923	474	0.4-	0.3-
840901	675	1.1-	1.1+	840906	568	0.7-	0.4-	840924	675	1.4-	0.7-
840901	675	1.0-	0.1-	840907	568	0.1+	0.3+	850814	691	0.2-	1.1-
840902	010	0.8-	1.2-	840917	474	0.1-	0.9+	850814	691	0.8-	1.3-
840902	010	0.5+	2.1+	840917	474	0.9+	1.6+	850814	691	0.5-	0.5-
840902	675	0.4-	0.4-	840920	675	0.3-	0.7-	850815	691	0.4+	1.6+
840903	675	0.2+	0.3-	840920	474	1.6+	0.4+	850815	691	0.2-	1.0+
840903	688	1.1+	1.1+	840920	474	1.4+	0.1-	850815	691	0.1-	1.6+
840904	675	(0.3-	4.2-)	840921	474	1.0-	0.8-	850817	801	1.2+	0.0

1984 WE1

Epoch 1984 Dec. 6.0 ET = JDE 2446040.5

M	346.75209		(1950.0)		P		Q
n	0.14052505	Peri.	65.53686	-0.46464802			-0.84097317
a	3.6640964	Node	55.03591	+0.63915795			-0.53521738
e	0.4991620	Incl.	19.77386	+0.61284528			-0.07941331
P	7.01	B(1,0)	14.0				

From 8 observations 1984 Nov. 20-Dec. 27.

1985 HC

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5

M	355.37807	(1950.0)		P		Q
n	0.21363393	Peri.	107.31215	+0.74386757		+0.60110119
a	2.7713363	Node	217.32320	-0.62783452		+0.77834158
e	0.4104144	Incl.	28.80379	+0.22909572		+0.18127810
P	4.61	B(1,0)	13.0			

From 11 observations 1985 Apr. 23-July 16, mean residual 0".9.

1985 PA

Epoch 1985 Aug. 3.0 ET = JDE 2446280.5

M	330.04226	(1950.0)		P		Q
n	0.22663405	Peri.	250.97851	+0.40506508		-0.76134919
a	2.6643173	Node	148.40763	+0.39695546		+0.64522857
e	0.4652647	Incl.	75.08854	-0.82361923		-0.06346253
P	4.35	B(1,0)	15.5			

From 7 observations 1985 Aug. 15-18.

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ORBITAL ELEMENTS BY C. M. BARDWELL, SMITHSONIAN ASTROPHYSICAL OBSERVATORY.

The identifications are by C. M. Bardwell unless otherwise stated.

(3301)* 1978 CT = 1925 KC = 1958 DC = 1958 DC1 = 1969 TE = 1985 GP

Discovered 1978 Feb. 6 at the Perth Observatory. The double designation 1958 DC = 1958 DC1 is by O. Kippes (NAZ 13, 3).

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5

M	28.19669	(1950.0)		P		Q
n	0.29521618	Peri.	117.48685	-0.27246731		+0.96024750
a	2.2337914	Node	136.56008	-0.91096273		-0.23714292
e	0.1524485	Incl.	5.06586	-0.30969091		-0.14726839
P	3.34	B(1,0)	14.5			

Residuals in seconds of arc

250514	024	1.8-	0.2+	780206	323	0.4+	0.2-	850415	688	0.2-	0.4-
250515	024	2.6-	0.2-	780207	323	2.3+	1.5-	850423	688	0.9+	1.0-
250524	024(47.5-	3.2+)		780209	323(11.6-	6.4+)		850423	688	0.7-	0.3+
250529	024	2.5+	0.8+	780209	323	1.4+	0.9+	850518	688	0.2-	0.4-
580222	024	3.6-	0.8+	780215	323	0.9-	0.7-	850518	688	0.3-	0.2-
580224	760	(8.9+	72.6+)	X	780308	323	0.6+	0.3+			
691007	095	0.2+	1.3-	850415	688	0.5-	0.2+				

1977 RH7 = 1977 TP7 = 1976 GW4

The double designation 1977 RH7 = 1977 TP7 is by O. Kippes (MPC 5347). The 1981 observations were found on the basis of an ephemeris by G. R. Kastel'.

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)

M	123.05049	(1950.0)		P		Q
n	0.26637742	Peri.	287.56475	+0.58075212		+0.81369828
a	2.3922431	Node	18.00637	-0.71291938		+0.52313831
e	0.1952439	Incl.	4.62796	-0.39303044		+0.25341945
P	3.70	B(1,0)	14.5			

Residuals in seconds of arc

760402	095	1.2+	2.2+	770921	095	1.5-	1.2-	811028	095	2.0-	0.8-
770911	095	0.4-	0.4+	771010	095	0.9+	2.3+				
770918	095	0.3-	0.7+	811024	095	2.1+	0.2+				

1981 EZ15

The Palomar observations during 1978-1979 for this and the following four objects were found by S. J. Bus.

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)

M	244.99570	(1950.0)		P	Q
n	0.29312209	Peri.	126.49598	+0.35092601	-0.93342421
a	2.2444222	Node	302.79667	+0.82819277	+0.34657915
e	0.1130454	Incl.	5.09379	+0.43697558	+0.09274771
P	3.36	B(1,0)	17.0		

Residuals in seconds of arc

790918	675	0.0	0.1+	810301	413	1.5-	0.5-	810312	413	1.8+	0.2+
790919	675	0.1-	0.3+	810306	413	(7.6+	2.5-)	810409	413	1.0-	0.3+
810209	413	0.4+	0.0	810306	413	0.6-	0.5-	810409	413	0.9+	0.7-
810212	413	0.7-	0.4+	810308	413	0.4-	0.4+				
810301	413	1.0-	0.3+	810308	413	2.1+	0.4+				

1981 EL19 = 1978 RO2

The identification 1981 EL19 = 1978 RO2 was found independently by K. Hurukawa (JAM 1901) and W. Landgraf.

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)

M	228.04726	(1950.0)		P	Q
n	0.21248323	Peri.	140.57446	+0.79574812	+0.60561116
a	2.7813383	Node	182.16751	-0.58124796	+0.76161694
e	0.1506663	Incl.	6.80105	-0.17010507	+0.23059653
P	4.64	B(1,0)	13.5		

Residuals in seconds of arc

780912	095	1.1+	1.4+	810303	413	0.7-	1.2+	810329	413	0.1-	0.4-
781003	675	0.1-	0.0	810307	413	0.5-	0.8+	810407	413	2.4-	1.9+
781004	675	0.1+	0.3-	810307	413	0.5+	0.3-	810407	413	0.9+	0.1-
810209	413	0.8-	0.1-	810311	413	0.7+	0.4-	810408	413	1.2-	1.6+
810213	413	0.7-	0.9+	810316	413	1.7-	1.2+	810408	413	0.2-	0.1-
810302	413	0.1-	0.2+	810316	413	4.2+	3.1-	810411	413	1.2-	0.3+
810302	413	0.2-	1.0-	810329	413	1.1-	0.7+	810411	413	1.2+	1.1-

1981 EH20

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)

M	322.07557	(1950.0)		P	Q
n	0.22144235	Peri.	66.57252	-0.34831375	+0.93737525
a	2.7058048	Node	183.04600	-0.87486003	-0.32595366
e	0.1431361	Incl.	2.45377	-0.33659688	-0.12280820
P	4.45	B(1,0)	16.5		

Residuals in seconds of arc

781003	675	2.0+	0.2-	810303	413	1.7-	0.1-	810329	413	0.3-	0.4+
781004	675	2.0-	0.0	810307	413	0.9+	0.1+	810329	413	1.5-	2.1+
810209	413	0.4+	0.2+	810307	413	0.9+	0.8+	810408	413	0.9+	1.3-
810302	413	1.9-	0.9+	810311	413	1.8+	0.9-	810411	413	0.6-	0.2-
810302	413	0.5+	1.4-	810316	413	0.6+	0.7-				

1981 EX24

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)

M	56.97512	(1950.0)		P	Q
n	0.17092152	Peri.	258.56095	+0.72753662	-0.68594951
a	3.2156770	Node	144.74716	+0.63775488	+0.66930944
e	0.1421485	Incl.	1.27034	+0.25290150	+0.28547878
P	5.77	B(1,0)	15.5		

Residuals in seconds of arc

781003	675	0.1+	0.5+	810306	413	2.7-	0.7+	810405	413	0.3-	0.5+
781004	675	0.4-	0.1+	810306	413	4.1+	1.1-	810405	413	0.3+	0.3+
810209	413	1.5+	1.6+	810311	413	0.3-	0.0	810406	413	0.4-	1.1+
810213	413	0.3-	2.6-	810311	413	2.2-	0.8+	810406	413	2.0+	1.0-
810302	413	0.5-	0.8+	810315	413	1.7-	0.6+				
810302	413	0.5+	1.5-	810315	413	0.6+	0.4+				

1981 EP27

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)

M	178.95777		(1950.0)		P		Q
n	0.19953366	Peri.	161.38849	+0.97368207		+0.22692242	
a	2.9004105	Node	185.62489	-0.22673782		+0.95504761	
e	0.0377799	Incl.	12.49147	-0.02309089		+0.19076235	
P	4.94	B(1,0)	15.0				

Residuals in seconds of arc

781003	675	0.9-	0.2-	810302	413	3.2+	0.0	810315	413	0.7+	0.2-
781004	675	1.5-	0.0	810306	413	0.7+	0.3+	810405	413	1.0-	0.9-
810212	413	0.9+	0.9-	810311	413	0.2-	0.1-				
810212	413	0.8+	1.1-	810315	413	0.5+	0.4-				

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ORBITAL ELEMENTS BY D. W. E. GREEN, SMITHSONIAN ASTROPHYSICAL OBSERVATORY.

1976 YP1

The 1981 observations were found on the basis of an ephemeris by G. R. Kastel'. The identification 1976 YP1 = 1970 RG (NOC 1053) is invalid.
Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)

M	253.15122		(1950.0)		P		Q
n	0.18035913	Peri.	40.07957	+0.62423354		-0.78121692	
a	3.1024978	Node	11.29840	+0.70906363		+0.56348076	
e	0.1807092	Incl.	1.67007	+0.32796531		+0.26868112	
P	5.46	B(1,0)	13.5				

Residuals in seconds of arc

761216	095	0.1+	0.9+	761220	095	0.1+	0.6+	811007	095	0.2+	0.6-
761218	095	0.3-	0.1+	770113	095	0.1+	2.3-	811125	095	0.5-	0.2+

1981 EW8

The observations during 1978-1979 for this and the following nine objects were found by S. J. Bus.

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)

M	112.50807		(1950.0)		P		Q
n	0.23852455	Peri.	235.72752	-0.01393903		-0.99923640	
a	2.5750255	Node	215.12604	+0.93694452		-0.00030402	
e	0.2018665	Incl.	3.63720	+0.34920003		-0.03907083	
P	4.13	B(1,0)	17.0				

Residuals in seconds of arc

790918	675	0.4-	0.3+	810307	413	0.7-	1.3+	810406	413	1.5-	0.6+
790919	675	0.3+	0.7-	810307	413	0.6+	0.1+	810406	413	0.0	0.6+
810209	413	1.9+	0.0	810311	413	0.8-	0.4+	810412	413	1.5-	0.6+
810213	413	0.6+	0.2-	810311	413	1.1+	0.9-	810412	413	2.0+	0.9-
810301	413	0.6-	0.3+	810315	413	0.7-	0.0				
810301	413	1.2+	1.8-	810315	413	0.4+	1.6-				

1981 EV9

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)
 M 200.25265 (1950.0) P Q
 n 0.30232245 Peri. 205.88373 -0.66561636 -0.74277549
 a 2.1986528 Node 285.93740 +0.69708886 -0.58416389
 e 0.0688277 Incl. 4.31716 +0.26649948 -0.32716528
 P 3.26 B(1,0) 17.5

Residuals in seconds of arc

790918	675	0.7+	0.2-	810301	413	1.5+	1.0+	810315	413	3.6+	1.6-
790919	675	0.8-	0.3+	810307	413	1.2+	0.6-	810315	413	0.5+	0.4-
810202	413	0.1-	0.9+	810307	413	2.5-	0.5+	810412	413	0.3-	1.0+
810214	413	0.1-	1.6-	810311	413	3.8-	0.9+	810412	413	0.5+	0.6-
810301	413	1.2-	1.7+	810311	413	0.2-	0.4-				

1981 EA12

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)
 M 211.16654 (1950.0) P Q
 n 0.29470170 Peri. 243.51799 -0.26129332 -0.96493175
 a 2.2363948 Node 221.65411 +0.89849553 -0.23361627
 e 0.0803278 Incl. 2.16861 +0.35274861 -0.11970863
 P 3.34 B(1,0) 17.5

Residuals in seconds of arc

790918	675	0.2-	0.8-	810306	413	2.9+	1.4-	810315	413	1.2-	0.0
790919	675	0.4+	0.2+	810307	413	0.8+	0.5+	810315	413	0.1+	1.4+
810212	413	0.4+	0.6-	810311	413	2.1-	1.5+	810315	413	1.0+	0.2-
810213	413	0.0	0.8-	810311	413	2.0+	0.6+	810405	413	2.4-	0.0
810302	413	0.6-	0.1-	810311	413	0.9-	0.0	810405	413	1.3+	1.5-
810306	413	0.2+	1.2-	810311	413	0.7+	0.5-				

1981 EY12

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)
 M 132.76890 (1950.0) P Q
 n 0.25707704 Peri. 260.03079 -0.32906352 -0.94164270
 a 2.4495975 Node 209.48813 +0.91295249 -0.29805319
 e 0.1926804 Incl. 8.28089 +0.24131917 -0.15643953
 P 3.83 B(1,0) 16.0

Residuals in seconds of arc

790918	675	1.5-	0.3+	810306	413	0.5-	0.8+	810406	413	0.8+	0.0
790919	675	1.2-	0.1+	810306	413	1.4+	1.6-	810408	413	0.1-	0.0
810209	413	0.2+	0.3-	810308	413	0.3-	0.3+	810408	413	0.8+	1.3-
810212	413	0.7+	2.1+	810308	413	1.0+	0.9-	810409	413	0.0	0.7+
810214	413	0.4+	1.3-	810312	413	1.0-	1.2+	810409	413	0.8+	0.8-
810301	413	1.5+	1.3-	810406	413	0.2-	1.3+				

1981 EN15

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)
 M 207.74946 (1950.0) P Q
 n 0.28863065 Peri. 174.12940 -0.13826238 -0.98957759
 a 2.2676461 Node 283.81298 +0.90693062 -0.11017819
 e 0.1055121 Incl. 2.37525 +0.39794518 -0.09271974
 P 3.41 B(1,0) 17.5

Residuals in seconds of arc

790918	675	0.4+	0.8-	810301	413	1.6+	0.9-	810408	413	2.7-	0.8+
790919	675	0.0	0.5-	810306	413	0.6-	0.3-	810408	413	1.9+	1.7-
810212	413	0.3+	0.5-	810306	413	5.7-	3.0+	810409	413	0.1+	0.4-
810212	413	0.8+	1.5-	810308	413	2.0+	1.0-	810409	413	1.2-	0.8+
810301	413	3.6+	1.4-	810308	413	1.6+	0.5-				

1981 EH31

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)
 M 172.01277 (1950.0) P Q
 n 0.25371286 Peri. 252.06584 +0.47875619 -0.87749760
 a 2.4712040 Node 169.19819 +0.85153614 +0.45631946
 e 0.2048828 Incl. 8.62806 +0.21372577 +0.14754836
 P 3.88 B(1,0) 17.5

Residuals in seconds of arc

790921	675	0.4-	0.3-	810302	413	0.9-	0.1-	810311	413	0.6+	0.2-
790922	675	0.2-	0.8+	810302	413	1.7-	0.2-	810315	413	2.2-	0.9+
810209	413	0.8+	1.2-	810306	413	0.4+	2.7+	810315	413	0.3+	0.2+
810213	413	0.8-	0.8+	810311	413	1.0+	1.5-				

1981 EK35

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)
 M 144.25439 (1950.0) P Q
 n 0.19002731 Peri. 78.33286 +0.99970674 +0.01974573
 a 2.9963524 Node 280.53456 -0.02370710 +0.91610692
 e 0.0939724 Incl. 0.81704 +0.00494021 +0.40044752
 P 5.19 B(1,0) 16.0

Residuals in seconds of arc

781003	675	0.6+	0.2-	810213	413	0.3-	0.5+	810311	413	0.8+	0.5-
781004	675	1.6-	0.3+	810302	413	1.2-	0.6+	810329	413	0.3-	1.2+
810209	413	2.5-	0.4-	810307	413	1.4+	1.2-	810329	413	0.9+	1.2+

1981 ER42

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)
 M 83.66127 (1950.0) P Q
 n 0.18184308 Peri. 30.61314 +0.73383095 -0.67930769
 a 3.0855960 Node 12.18171 +0.61758121 +0.66356886
 e 0.0961482 Incl. 1.56470 +0.28299395 +0.31339660
 P 5.42 B(1,0) 16.0

Residuals in seconds of arc

781003	675	0.9-	0.7-	810213	413	1.1+	0.0	810311	413	1.5+	1.4-
781004	675	0.8-	0.8-	810302	413	1.9-	0.9+	810315	413	1.3-	0.2-
810209	413	0.9-	0.5-	810306	413	1.4+	1.0-				
810212	413	2.8+	0.2-	810311	413	0.2-	0.8-				

1981 EG44

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)
 M 14.76440 (1950.0) P Q
 n 0.18324783 Peri. 103.32694 -0.42790969 -0.90313312
 a 3.0698066 Node 12.19113 +0.75102361 -0.37700738
 e 0.0543652 Incl. 9.61410 +0.50284872 -0.20546531
 P 5.38 B(1,0) 14.5

Residuals in seconds of arc

781003	675	0.3-	0.3-	810306	413	0.5+	0.5+	810406	413	1.8-	0.5+
781004	675	0.4+	0.2+	810311	413	0.4-	1.4-	810407	413	2.1+	0.3-
810209	413	0.0	0.4+	810311	413	0.7+	1.0-	810410	413	1.5-	1.0+
810212	413	0.1+	1.0+	810315	413	0.8-	0.3+	810410	413	0.3-	0.2+
810213	413	0.3+	0.4+	810405	413	1.8-	0.7+				
810306	413	0.7-	1.7-	810405	413	3.3+	0.1+				

1981 GQ

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)
 M 317.68726 (1950.0) P Q
 n 0.17848457 Peri. 154.01932 -0.97338420 -0.22238444
 a 3.1241830 Node 13.48395 +0.14592371 -0.78777358
 e 0.2760784 Incl. 13.74263 +0.17671863 -0.57441966
 P 5.52 B(1,0) 14.5

Residuals in seconds of arc

781003	675	1.4-	0.4-	810308	809	0.1+	0.1-	810327	046	1.5-	1.4+
781004	675	1.7+	0.1+	810308	809	0.2+	0.3-	810329	046	1.4+	0.7-
810301	809	0.6-	0.3+	810309	809	0.9-	0.7+	810329	046	1.1+	0.3+
810301	809	0.6-	0.2+	810309	809	0.5-	0.6+	810402	046	1.4-	0.5-
810301	809	0.7-	0.2+	810309	809	0.0	0.6+	810403	046	1.4-	1.2-
810304	809	0.6-	1.3+	810313	809	0.4+	0.3+	810405	688	1.8+	0.9-
810304	809	0.2-	0.6+	810313	809	0.5+	0.4+	810405	688	0.7+	1.3-
810304	809	0.0	0.0	810313	809	0.9+	0.4+	810407	688	0.2+	0.1+
810305	809	0.5+	0.5-	810315	809	0.6-	0.6+	810407	688	0.7+	0.9-
810305	809	0.3-	1.3-	810315	809	0.3-	0.3+	810409	688	0.4+	1.0-
810305	809	0.1+	0.2-	810315	809	0.2-	0.3+	810409	688	0.9+	1.7-
810307	809	0.4-	0.2-	810317	809	0.8-	0.5+	810409	046	0.7-	2.6+
810307	809	0.3+	0.1+	810317	809	0.3-	0.3+	810409	046	1.6-	3.0+
810307	809	0.4+	0.0	810317	809	0.2+	0.4+				
810308	809	0.1-	0.1+	810327	046	0.6-	0.0				

1983 AS2 = 1981 SD7

The identification is by B. G. Marsden.

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)
 M 282.23880 (1950.0) P Q
 n 0.19766862 Peri. 341.27573 +0.78916235 -0.59580265
 a 2.9186259 Node 56.21112 +0.58391185 +0.65251612
 e 0.0579767 Incl. 10.33758 +0.19044614 +0.46823275
 P 4.99 B(1,0) 13.5

Residuals in seconds of arc

810928	095	0.2+	0.9+	830110	675	0.8-	0.1-	830112	675	0.1-	1.0-
811006	095	0.0	0.1+	830111	675	0.5-	0.5-	830211	675	1.4-	1.6-
811026	095	0.1-	1.3-	830111	675	0.4-	0.6-	830211	675	1.5+	0.2-
830110	675	0.1-	1.3-	830112	675	0.8+	0.6-	830215	675	0.9+	2.5-

1983 CA3 = 1981 UW15

The identification is by C. M. Bardwell.

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5 (J-P)
 M 239.20919 (1950.0) P Q
 n 0.21211944 Peri. 238.44945 -0.72056605 -0.68745074
 a 2.7845174 Node 257.94829 +0.66339582 -0.64551470
 e 0.0672138 Incl. 5.31161 +0.20171900 -0.33274954
 P 4.65 B(1,0) 13.5

Residuals in seconds of arc

811024	095	0.2+	0.6+	830312	046	1.6+	2.0+	830405	046	0.1-	0.4-
811028	095	0.3-	0.8-	830312	046	0.1-	0.8-	830405	046	0.4+	0.1+
830215	688	0.5+	0.1+	830313	046	0.3+	0.7-				
830215	688	0.6-	0.1-	830313	046	2.1-	0.2-				

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ORBITAL ELEMENTS BY G. R. KASTEL', INSTITUTE FOR THEORETICAL ASTRONOMY.

(3302)* 1977 RS6 = 1954 UK = 1962 WD1 = 1965 OC

Discovered 1977 Sept. 11 by N. S. Chernykh at the Crimean Astrophysical Observatory. The 1981 observations were found by L. I. Chernykh on the

basis of an ephemeris by G. R. Kastel'. The identifications were found by T. A. Vinogradova.

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5

M	87.19092		(1950.0)		P		Q
n	0.25652951	Peri.	167.98483	+0.78988340			+0.61271774
a	2.4530769	Node	154.17502	-0.56740075			+0.74608592
e	0.0959027	Incl.	3.38395	-0.23268134			+0.26063916
P	3.84	B(1,0)	14.1				

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

541022	760	0.6+	2.3-	650729	760	(0.11+	0.01+)X	811022	095	0.8-	2.4+
541022	760	1.1+	(2.0-)	770911	095	0.7-	0.5+	811024	095	0.8-	0.1+
541022	760	1.2-	1.9-	770918	095	0.3+	1.8+	811028	095	0.7+	0.1+
541022	760	1.4+	1.0-	770919	095	0.0	2.0-				
621126	760	(7.4-	1.7-)X	771009	095	0.4-	2.3+				

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ORBITAL ELEMENTS BY W. LANDGRAF, ASTRONOMISCHE ARBEITSGEMEINSCHAFT, MAINZ.

1985 FZ1 = 1942 FJ

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5

M	96.43139		(1950.0)		P		Q
n	0.22912612	Peri.	354.22651	-0.72596278			-0.67338246
a	2.6449632	Node	142.18736	+0.63972624			-0.73579180
e	0.1071253	Incl.	13.17761	+0.25244480			-0.07187824
P	4.30	B(1,0)	13.5				

Residuals in seconds of arc

420317	062	1.6-	0.8+	850322	688	0.5+	0.3+	850414	688	0.5-	0.6+
420317	062	0.5-	1.4-	850322	688	0.4+	0.4-	850423	688	(6.4-)	0.2+
420318	062	1.9+	0.1-	850414	688	0.6+	0.2+	850423	688	0.9-	0.2-

1985 KC = 1979 QT3

Epoch 1985 Dec. 1.0 ET = JDE 2446400.5

M	11.15766		(1950.0)		P		Q
n	0.30124072	Peri.	302.05136	+0.27194539			+0.96189152
a	2.2039088	Node	343.65586	-0.84523445			+0.22461332
e	0.0292948	Incl.	5.80610	-0.46002656			+0.15592806
P	3.27	B(1,0)	15.5				

Residuals in seconds of arc

790822	809	0.6-	0.9+	850524	474	0.3+	0.0	850828	474	0.4-	0.3+
790822	809	(1.5-)	0.2-	850524	474	0.2+	0.2+	850616	474	(5.3-	1.2-)
790822	809	0.1+	0.2-	850525	474	0.3+	0.1-	850616	474	(5.7-	0.4-)
790823	809	0.4+	0.1-	850525	474	0.7-	0.3+				
790823	809	2.6+	0.3-	850528	474	0.2+	0.8-				

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EPHEMERIDES.

1985 PA			a,e,i = 2.66, 0.47, 75				Elements MPC 9960	
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 08 13		22 37.76	-06 41.2	0.835	1.823	161.1	10.4	16.7
1985 08 18		22 28.46	-12 39.1					
1985 08 23		22 17.47	-19 09.0	0.764	1.771	172.0	4.5	16.2
1985 08 28		22 04.85	-25 52.2					
1985 09 02		21 50.83	-32 25.8	0.760	1.721	153.0	15.4	16.4
1985 09 07		21 35.77	-38 29.0					
1985 09 12		21 20.17	-43 47.6	0.817	1.673	132.8	26.2	16.8
1985 09 17		21 04.66	-48 16.2					

1985 09 22	20 49.90	-51 56.7	0.916	1.628	115.8	33.7	17.1
1985 09 27	20 36.44	-54 55.1					
1985 10 02	20 24.69	-57 19.0	1.037	1.585	102.1	38.1	17.5
1985 10 07	20 14.95	-59 15.8					
1985 10 12	20 07.37	-60 51.9	1.164	1.547	91.0	40.2	17.7
1985 10 17	20 02.01	-62 12.6					
1985 10 22	19 58.84	-63 22.1	1.285	1.512	82.0	40.7	17.9

1984 QA		a,e,i = 0.99, 0.47, 10				Elements MPC 9959		
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 08 13		02 50.63	+16 59.7	0.213	1.051	94.4	74.0	17.4
1985 08 18		02 28.11	+11 41.9					
1985 08 23		02 04.28	+05 59.5	0.206	1.123	118.1	52.6	17.0
1985 08 28		01 39.24	+00 06.5					
1985 09 02		01 13.55	-05 36.0	0.217	1.188	142.4	31.2	16.8
1985 09 07		00 48.15	-10 45.1					
1985 09 12		00 24.11	-15 03.6	0.250	1.245	160.7	15.5	16.8
1985 09 17		00 02.46	-18 24.3					
1985 09 22		23 43.88	-20 49.5	0.306	1.295	159.6	15.6	17.4
1985 09 27		23 28.64	-22 27.3					
1985 10 02		23 16.67	-23 27.6	0.381	1.338	147.8	23.5	18.1
1985 10 07		23 07.67	-23 59.0					
1985 10 12		23 01.31	-24 08.7	0.468	1.374	136.3	30.1	18.7
1985 10 17		22 57.24	-24 01.9					
1985 10 22		22 55.13	-23 42.7	0.563	1.404	126.2	34.9	19.3
1985 10 27		22 54.67	-23 14.0					
1985 11 01		22 55.58	-22 38.1	0.665	1.426	117.4	38.2	19.8
1985 11 06		22 57.65	-21 56.5					
1985 11 11		23 00.71	-21 10.1	0.769	1.442	109.5	40.4	20.2
1985 11 16		23 04.61	-20 19.8					
1985 11 21		23 09.24	-19 26.2	0.874	1.451	102.2	41.7	20.5

1984 AB		a,e,i = 1.58, 0.08, 15				Elements MPC 8679		
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 08 23		05 10.95	+11 07.2	1.707	1.695	72.0	34.6	19.6
1985 09 02		05 31.39	+11 32.4					
1985 09 12		05 51.02	+11 50.2	1.521	1.689	81.1	36.1	19.4
1985 09 22		06 09.59	+12 02.6					
1985 10 02		06 26.86	+12 12.5	1.323	1.681	91.5	36.5	19.1
1985 10 12		06 42.55	+12 23.4					
1985 10 22		06 56.23	+12 40.0	1.122	1.669	103.9	35.4	18.7
1985 11 01		07 07.44	+13 08.3					
1985 11 11		07 15.56	+13 55.4	0.929	1.655	119.2	31.5	18.2
1985 11 21		07 19.81	+15 09.9					
1985 12 01		07 19.41	+16 59.9	0.762	1.639	138.9	23.3	17.5
1985 12 11		07 13.63	+19 30.2					
1985 12 21		07 02.33	+22 37.3	0.652	1.621	164.2	9.5	16.8
1985 12 31		06 46.60	+26 04.2					
1986 01 10		06 28.97	+29 24.7	0.630	1.602	166.0	8.5	16.7
1986 01 20		06 13.01	+32 15.7					
1986 01 30		06 01.87	+34 28.2	0.696	1.582	139.8	23.7	17.3
1986 02 09		05 57.15	+36 05.5					
1986 02 19		05 59.18	+37 14.7	0.817	1.561	119.3	33.5	17.8
1986 03 01		06 07.31	+38 01.9					
1986 03 11		06 20.61	+38 29.9	0.961	1.540	104.0	38.7	18.2
1986 03 21		06 38.15	+38 39.3					
1986 03 31		06 58.99	+38 29.1	1.106	1.521	92.4	41.0	18.6
1986 04 10		07 22.34	+37 58.2					
1986 04 20		07 47.51	+37 05.1	1.244	1.503	83.1	41.6	18.8

1977 EJ5		a,e,i = 3.16, 0.16, 4				Elements MPC		9957
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 08 23		22 19.02	-04 52.3	1.773	2.779	172.4	2.8	16.7
1985 09 02		22 11.43	-05 28.8					
1985 09 12		22 04.33	-06 07.3	1.784	2.757	161.5	6.7	16.9
1985 09 22		21 58.57	-06 43.1					
1985 10 02		21 54.79	-07 11.9	1.894	2.736	139.8	13.7	17.2
1985 10 12		21 53.33	-07 31.0					
1985 10 22		21 54.33	-07 38.6	2.081	2.718	119.9	18.5	17.5
1985 11 01		21 57.71	-07 34.1					
1985 11 11		22 03.26	-07 17.4	2.312	2.701	102.2	21.0	17.8

1981 VO		a,e,i = 2.64, 0.23, 3				Elements MPC		9951
Date	ET	R. A. (1950)	Decl.	Delta	r	Variation		Mag.
1985 08 23		23 06.91	-12 28.8	1.044	2.038	-2.71	-16.6	15.8
1985 09 02		22 59.92	-13 27.3					
1985 09 12		22 52.36	-14 18.1	1.034	2.030	-2.76	-15.9	15.7
1985 09 22		22 45.64	-14 52.4					
1985 10 02		22 41.02	-15 04.9	1.113	2.028	-2.51	-13.7	16.1
1985 10 12		22 39.23	-14 54.6					
1985 10 22		22 40.57	-14 22.4	1.264	2.034	-2.13	-11.6	16.6
1985 11 01		22 44.96	-13 30.8					
1985 11 11		22 52.06	-12 22.9	1.464	2.046	-1.79	-10.1	17.0
1985 11 21		23 01.48	-11 01.0					
1985 12 01		23 12.82	-09 27.6	1.693	2.064	-1.52	-9.2	17.4

(3300) 1928 NA		a,e,i = 3.16, 0.21, 19				Elements MPC		9957
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 08 23		23 48.90	-25 13.5	1.693	2.630	152.1	10.3	15.0
1985 09 02		23 39.72	-25 29.9					
1985 09 12		23 29.55	-25 28.2	1.697	2.661	158.8	7.8	14.9
1985 09 22		23 19.53	-25 04.5					
1985 10 02		23 10.79	-24 18.4	1.804	2.694	146.3	11.9	15.2
1985 10 12		23 04.13	-23 12.4					
1985 10 22		22 59.98	-21 50.4	2.000	2.730	128.2	16.7	15.6
1985 11 01		22 58.48	-20 16.5					
1985 11 11		22 59.47	-18 34.3	2.261	2.767	110.4	19.6	15.9
1985 11 21		23 02.71	-16 46.4					
1985 12 01		23 07.89	-14 54.6	2.560	2.805	93.9	20.5	16.3
1985 12 11		23 14.70	-13 00.2					
1985 12 21		23 22.87	-11 03.9	2.870	2.845	78.6	19.8	16.5

1983 CA3		a,e,i = 2.78, 0.07, 5				Elements MPC		9965
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 08 23		23 48.33	+07 07.8	2.028	2.936	148.3	10.4	17.6
1985 09 02		23 41.88	+06 39.5					
1985 09 12		23 34.29	+05 57.0	1.934	2.928	168.8	3.8	17.3
1985 09 22		23 26.33	+05 04.2					
1985 10 02		23 18.87	+04 06.6	1.951	2.920	162.2	6.0	17.4
1985 10 12		23 12.68	+03 10.3					
1985 10 22		23 08.37	+02 20.8	2.073	2.910	140.4	12.6	17.7
1985 11 01		23 06.26	+01 42.2					
1985 11 11		23 06.46	+01 16.8	2.276	2.900	119.9	17.2	18.0
1985 11 21		23 08.91	+01 05.6					
1985 12 01		23 13.42	+01 08.7	2.527	2.889	101.4	19.5	18.3
1985 12 11		23 19.77	+01 25.1					
1985 12 21		23 27.72	+01 53.9	2.795	2.878	84.8	19.9	18.5
1985 12 31		23 37.04	+02 33.7					
1986 01 10		23 47.53	+03 23.0	3.056	2.866	69.6	18.8	18.6

1971 UG1		a,e,i = 2.84, 0.08, 2				Elements MPC 9958		
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 08 23		00 13.43	+01 51.7	1.787	2.682	145.5	12.3	17.2
1985 09 02		00 08.47	+01 12.3					
1985 09 12		00 01.83	+00 21.2	1.678	2.671	168.1	4.4	16.8
1985 09 22		23 54.24	-00 36.5					
1985 10 02		23 46.64	-01 34.3	1.674	2.662	168.1	4.5	16.8
1985 10 12		23 39.95	-02 25.6					
1985 10 22		23 34.97	-03 05.1	1.776	2.653	145.0	12.4	17.2
1985 11 01		23 32.22	-03 29.2					
1985 11 11		23 31.90	-03 36.8	1.960	2.645	124.1	18.1	17.5
1985 11 21		23 34.02	-03 27.9					
1985 12 01		23 38.40	-03 03.6	2.197	2.639	105.6	21.1	17.8
1985 12 11		23 44.80	-02 25.5					
1985 12 21		23 52.99	-01 35.3	2.457	2.634	89.2	21.9	18.1
1985 12 31		00 02.68	-00 34.8					
1986 01 10		00 13.65	+00 34.3	2.717	2.630	74.4	21.1	18.3
1986 01 20		00 25.72	+01 50.4					
1986 01 30		00 38.72	+03 12.0	2.962	2.627	60.9	19.1	18.4

1981 SW		a,e,i = 2.41, 0.19, 5				Elements MPC 9958		
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 08 23		02 32.91	+15 58.6	1.692	2.228	108.4	25.5	17.5
1985 09 02		02 37.32	+16 02.0					
1985 09 12		02 38.74	+15 49.2	1.524	2.271	126.5	20.9	17.2
1985 09 22		02 36.96	+15 19.2					
1985 10 02		02 32.10	+14 32.6	1.405	2.315	147.9	13.3	16.9
1985 10 12		02 24.65	+13 31.8					
1985 10 22		02 15.51	+12 21.5	1.369	2.359	172.2	3.3	16.5
1985 11 01		02 05.95	+11 09.1					
1985 11 11		01 57.24	+10 02.7	1.439	2.402	162.7	7.1	16.8
1985 11 21		01 50.44	+09 09.4					
1985 12 01		01 46.20	+08 33.7	1.610	2.445	139.4	15.2	17.3
1985 12 11		01 44.75	+08 16.9					
1985 12 21		01 46.06	+08 18.3	1.856	2.486	119.0	20.2	17.8
1985 12 31		01 49.88	+08 35.7					
1986 01 10		01 55.90	+09 06.4	2.144	2.527	101.2	22.4	18.2
1986 01 20		02 03.82	+09 47.8					
1986 01 30		02 13.36	+10 37.0	2.449	2.565	85.4	22.5	18.5

(3302) 1977 RS6		a,e,i = 2.45, 0.10, 3				Elements MPC 9965		
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 09 12		04 08.69	+17 05.1	1.909	2.380	105.2	24.1	17.9
1985 09 22		04 13.95	+16 59.1					
1985 10 02		04 16.38	+16 44.8	1.705	2.401	122.9	20.5	17.6
1985 10 12		04 15.73	+16 22.7					
1985 10 22		04 11.91	+15 53.8	1.547	2.422	143.7	14.1	17.3
1985 11 01		04 05.22	+15 19.9					
1985 11 11		03 56.31	+14 43.4	1.469	2.443	166.8	5.3	17.0
1985 11 21		03 46.27	+14 08.1					
1985 12 01		03 36.43	+13 38.3	1.496	2.464	165.7	5.7	17.0
1985 12 11		03 27.99	+13 17.9					
1985 12 21		03 21.89	+13 09.8	1.630	2.485	142.6	13.9	17.5
1985 12 31		03 18.63	+13 14.9					
1986 01 10		03 18.30	+13 32.4	1.844	2.505	121.7	19.5	17.9
1986 01 20		03 20.80	+14 00.8					
1986 01 30		03 25.86	+14 37.7	2.106	2.525	103.5	22.3	18.2
1986 02 09		03 33.16	+15 20.8					
1986 02 19		03 42.41	+16 07.7	2.387	2.544	87.5	22.8	18.5

1981	SD2	a,e,i = 2.38, 0.13, 6				Elements MPC		9950
Date	ET	R. A. (1950)	Decl.	Delta	r	Variation	Mag.	
1985 09 12		04 10.35	+21 20.3	1.591	2.079	-1.41 -7.3	18.2	
1985 09 22		04 18.49	+22 14.9					
1985 10 02		04 23.65	+23 05.5	1.397	2.089	-1.68 -7.5	17.9	
1985 10 12		04 25.34	+23 52.0					
1985 10 22		04 23.18	+24 33.5	1.241	2.103	-2.00 -8.4	17.5	
1985 11 01		04 17.22	+25 07.8					
1985 11 11		04 08.01	+25 32.0	1.153	2.119	-2.23 -10.1	17.1	
1985 11 21		03 56.76	+25 44.0					
1985 12 01		03 45.26	+25 44.3	1.160	2.138	-2.20 -11.7	17.0	
1985 12 11		03 35.26	+25 36.7					
1985 12 21		03 28.16	+25 26.8	1.268	2.160	-1.93 -11.7	17.5	
1985 12 31		03 24.70	+25 20.3					
1986 01 10		03 24.98	+25 20.6	1.455	2.184	-1.61 -10.2	18.0	
1986 01 20		03 28.81	+25 29.0					
1986 01 30		03 35.77	+25 45.1	1.691	2.209	-1.35 -8.2	18.4	
1986 02 09		03 45.40	+26 07.1					
1986 02 19		03 57.32	+26 33.0	1.953	2.236	-1.18 -6.2	18.8	

1981	SS5	a,e,i = 2.39, 0.08, 5				Elements MPC		9950
Date	ET	R. A. (1950)	Decl.	Delta	r	Variation	Mag.	
1985 09 12		04 53.44	+27 16.1	2.300	2.566	-1.02 -0.7	17.9	
1985 09 22		05 01.20	+27 39.0					
1985 10 02		05 06.56	+27 58.1	2.053	2.573	-1.18 -0.3	17.6	
1985 10 12		05 09.15	+28 13.2					
1985 10 22		05 08.61	+28 23.7	1.833	2.579	-1.37 -0.3	17.3	
1985 11 01		05 04.82	+28 28.0					
1985 11 11		04 57.88	+28 24.0	1.672	2.584	-1.52 -0.9	16.9	
1985 11 21		04 48.35	+28 09.4					
1985 12 01		04 37.29	+27 43.4	1.605	2.587	-1.56 -1.9	16.5	
1985 12 11		04 26.04	+27 07.5					
1985 12 21		04 16.00	+26 25.7	1.652	2.589	-1.45 -2.8	16.8	
1985 12 31		04 08.31	+25 43.5					
1986 01 10		04 03.59	+25 05.8	1.801	2.589	-1.27 -2.9	17.2	
1986 01 20		04 02.08	+24 36.1					
1986 01 30		04 03.67	+24 15.7	2.021	2.588	-1.10 -2.4	17.6	
1986 02 09		04 08.09	+24 04.3					
1986 02 19		04 15.01	+24 00.7	2.278	2.585	-0.97 -1.8	17.9	

1957	HK	a,e,i = 2.41, 0.11, 8				Elements MPC		9956
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 10 02		05 34.33	+18 01.0	2.245	2.675	104.3	21.3	17.8
1985 10 12		05 38.27	+17 26.2					
1985 10 22		05 39.55	+16 47.1	2.000	2.673	122.7	18.3	17.5
1985 11 01		05 38.00	+16 05.2					
1985 11 11		05 33.56	+15 21.6	1.806	2.669	143.7	12.7	17.1
1985 11 21		05 26.47	+14 38.3					
1985 12 01		05 17.35	+13 57.8	1.697	2.663	165.5	5.3	16.8
1985 12 11		05 07.14	+13 22.7					
1985 12 21		04 57.03	+12 55.8	1.700	2.656	162.9	6.2	16.8
1985 12 31		04 48.18	+12 39.4					
1986 01 10		04 41.48	+12 34.4	1.812	2.647	140.6	13.6	17.1
1986 01 20		04 37.47	+12 40.6					
1986 01 30		04 36.34	+12 56.5	2.006	2.636	119.7	18.9	17.5
1986 02 09		04 38.03	+13 20.2					
1986 02 19		04 42.33	+13 49.4	2.245	2.624	101.3	21.7	17.7
1986 03 01		04 48.95	+14 21.6					
1986 03 11		04 57.60	+14 54.7	2.498	2.610	85.2	22.3	18.0

1977 RH7		a,e,i = 2.39, 0.20, 5				Elements MPC		9960
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 10 02		06 21.26	+27 31.8	2.344	2.604	93.5	22.6	18.9
1985 10 12		06 28.11	+27 49.8					
1985 10 22		06 32.37	+28 10.2	2.116	2.639	110.8	20.6	18.7
1985 11 01		06 33.71	+28 33.6					
1985 11 11		06 31.86	+28 59.6	1.917	2.671	130.8	16.3	18.4
1985 11 21		06 26.71	+29 26.2					
1985 12 01		06 18.53	+29 50.5	1.783	2.701	153.5	9.4	18.1
1985 12 11		06 07.95	+30 08.4					
1985 12 21		05 56.10	+30 16.7	1.750	2.729	173.1	2.5	17.8
1985 12 31		05 44.38	+30 14.3					
1986 01 10		05 34.10	+30 02.6	1.833	2.754	154.6	8.8	18.2
1986 01 20		05 26.30	+29 44.9					
1986 01 30		05 21.55	+29 25.0	2.019	2.777	132.0	15.3	18.6
1986 02 09		05 19.96	+29 05.7					
1986 02 19		05 21.40	+28 48.7	2.274	2.797	111.9	19.2	19.0
1986 03 01		05 25.56	+28 34.4					
1986 03 11		05 32.08	+28 22.4	2.561	2.814	94.2	20.6	19.3

(3222) 1983 NJ		a,e,i = 3.09, 0.07, 16				Elements MPC		9471
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 10 22		07 14.80	+06 57.1	2.994	3.291	98.5	17.4	17.9
1985 11 01		07 17.92	+06 21.9					
1985 11 11		07 19.04	+05 51.0	2.729	3.290	116.4	15.6	17.6
1985 11 21		07 18.04	+05 26.9					
1985 12 01		07 14.91	+05 12.0	2.508	3.289	135.9	12.0	17.4
1985 12 11		07 09.79	+05 08.7					
1985 12 21		07 03.04	+05 18.7	2.367	3.287	155.4	7.2	17.1
1985 12 31		06 55.22	+05 42.4					
1986 01 10		06 47.08	+06 19.1	2.335	3.284	162.1	5.3	17.0
1986 01 20		06 39.41	+07 06.9					
1986 01 30		06 32.96	+08 02.5	2.418	3.281	146.0	9.7	17.2
1986 02 09		06 28.26	+09 02.8					
1986 02 19		06 25.67	+10 04.5	2.599	3.277	125.8	14.2	17.5
1986 03 01		06 25.30	+11 04.9					
1986 03 11		06 27.12	+12 02.1	2.844	3.272	106.8	16.9	17.7
1986 03 21		06 30.99	+12 54.5					
1986 03 31		06 36.70	+13 41.0	3.118	3.266	89.6	17.8	17.9

1981 QC		a,e,i = 2.34, 0.22, 26				Elements MPC		8144
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 10 22		07 13.84	+28 37.3	1.439	1.909	101.7	30.7	17.4
1985 11 01		07 25.09	+31 11.5					
1985 11 11		07 33.32	+34 08.7	1.273	1.943	117.7	26.8	17.1
1985 11 21		07 37.71	+37 29.1					
1985 12 01		07 37.46	+41 07.4	1.154	1.981	135.4	20.4	16.8
1985 12 11		07 31.89	+44 51.0					
1985 12 21		07 20.86	+48 19.5	1.112	2.024	149.7	14.2	16.6
1985 12 31		07 05.49	+51 10.6					
1986 01 10		06 48.25	+53 08.4	1.166	2.069	148.3	14.5	16.7
1986 01 20		06 32.49	+54 09.3					
1986 01 30		06 21.07	+54 22.7	1.309	2.116	134.1	19.5	17.2
1986 02 09		06 15.40	+54 02.5					
1986 02 19		06 15.60	+53 21.4	1.514	2.165	118.3	23.7	17.6
1986 03 01		06 21.00	+52 28.5					
1986 03 11		06 30.61	+51 28.3	1.755	2.214	103.9	25.8	18.0
1986 03 21		06 43.53	+50 22.9					
1986 03 31		06 58.91	+49 12.9	2.013	2.264	91.1	26.2	18.4

1981 FC1		a,e,i = 3.15, 0.17, 9				Elements MPC		9677
Date	ET	R. A. (1950)	Decl.	Delta	r	Variation	Mag.	
1985 10 22		07 18.13	+32 35.5	2.410	2.781	-1.41 +2.9	18.1	
1985 11 01		07 25.09	+32 58.6					
1985 11 11		07 29.56	+33 26.9	2.141	2.754	-1.68 +3.8	17.8	
1985 11 21		07 31.19	+34 00.2					
1985 12 01		07 29.73	+34 37.0	1.917	2.730	-1.95 +4.3	17.4	
1985 12 11		07 25.15	+35 13.8					
1985 12 21		07 17.72	+35 45.6	1.769	2.707	-2.12 +4.0	17.1	
1985 12 31		07 08.23	+36 06.6					
1986 01 10		06 57.86	+36 12.4	1.724	2.686	-2.07 +2.8	16.9	
1986 01 20		06 48.01	+36 01.2					
1986 01 30		06 40.02	+35 34.6	1.788	2.668	-1.85 +1.7	17.2	
1986 02 09		06 34.77	+34 56.4					
1986 02 19		06 32.74	+34 11.1	1.941	2.652	-1.61 +1.3	17.5	
1986 03 01		06 33.96	+33 22.0					
1986 03 11		06 38.19	+32 31.4	2.152	2.638	-1.42 +1.5	17.8	
1986 03 21		06 45.11	+31 40.0					
1986 03 31		06 54.28	+30 47.7	2.392	2.628	-1.30 +2.0	18.0	

7633 P-L		a,e,i = 2.84, 0.06, 3				Elements MPC		7374
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong. Phase	Mag.	
1985 10 22		07 25.25	+20 50.3	2.645	2.956	98.2 19.5	19.4	
1985 11 01		07 30.05	+20 43.9					
1985 11 11		07 32.58	+20 42.7	2.386	2.963	116.5 17.4	19.1	
1985 11 21		07 32.61	+20 47.9					
1985 12 01		07 30.04	+20 59.7	2.169	2.970	137.3 13.0	18.8	
1985 12 11		07 24.93	+21 17.6					
1985 12 21		07 17.61	+21 40.1	2.031	2.977	160.6 6.3	18.5	
1985 12 31		07 08.75	+22 04.8					
1986 01 10		06 59.25	+22 28.9	2.002	2.982	174.7 1.7	18.2	
1986 01 20		06 50.18	+22 50.5					
1986 01 30		06 42.51	+23 08.4	2.091	2.987	150.5 9.4	18.7	
1986 02 09		06 36.96	+23 22.4					
1986 02 19		06 33.95	+23 32.8	2.277	2.992	128.2 15.0	19.0	
1986 03 01		06 33.61	+23 40.1					
1986 03 11		06 35.81	+23 44.5	2.527	2.995	108.6 18.3	19.3	
1986 03 21		06 40.37	+23 45.8					
1986 03 31		06 46.98	+23 43.7	2.805	2.998	91.3 19.5	19.6	

(3237) 1984 SA5		a,e,i = 3.01, 0.06, 9				Elements MPC		9587
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong. Phase	Mag.	
1985 10 22		07 28.75	+23 18.7	2.908	3.198	97.7 18.0	17.8	
1985 11 01		07 32.85	+22 55.8					
1985 11 11		07 34.78	+22 35.8	2.630	3.194	116.3 16.1	17.5	
1985 11 21		07 34.32	+22 19.1					
1985 12 01		07 31.41	+22 05.8	2.394	3.189	137.1 12.1	17.2	
1985 12 11		07 26.14	+21 55.3					
1985 12 21		07 18.82	+21 46.7	2.239	3.183	160.3 6.0	16.9	
1985 12 31		07 10.09	+21 38.5					
1986 01 10		07 00.77	+21 29.8	2.195	3.176	175.0 1.5	16.5	
1986 01 20		06 51.82	+21 19.8					
1986 01 30		06 44.14	+21 08.6	2.272	3.169	150.9 8.7	17.0	
1986 02 09		06 38.39	+20 56.7					
1986 02 19		06 34.99	+20 44.7	2.449	3.161	128.6 14.1	17.3	
1986 03 01		06 34.07	+20 32.7					
1986 03 11		06 35.55	+20 20.6	2.691	3.153	108.7 17.4	17.5	
1986 03 21		06 39.27	+20 08.0					
1986 03 31		06 44.97	+19 54.2	2.962	3.144	91.1 18.5	17.8	

1981 EF26		a,e,i = 3.22, 0.10, 7				Elements MPC 9677			
Date	ET	R. A. (1950)	Decl.	Delta	r	Variation		Mag.	
1985 10 22		07 25.52	+14 15.1	2.694	2.984	-0.90	+1.1	17.0	
1985 11 01		07 30.85	+13 41.1						
1985 11 11		07 34.11	+13 10.5	2.420	2.972	-1.01	+1.3	16.7	
1985 11 21		07 35.08	+12 45.4						
1985 12 01		07 33.67	+12 27.7	2.186	2.960	-1.14	+1.5	16.4	
1985 12 11		07 29.90	+12 18.8						
1985 12 21		07 24.02	+12 19.8	2.024	2.950	-1.24	+1.5	16.1	
1985 12 31		07 16.60	+12 30.9						
1986 01 10		07 08.39	+12 51.0	1.966	2.940	-1.28	+1.4	15.8	
1986 01 20		07 00.34	+13 18.4						
1986 01 30		06 53.39	+13 50.8	2.023	2.932	-1.23	+1.1	16.1	
1986 02 09		06 48.26	+14 25.6						
1986 02 19		06 45.44	+15 00.7	2.179	2.925	-1.12	+0.8	16.4	
1986 03 01		06 45.13	+15 34.2						
1986 03 11		06 47.29	+16 04.6	2.402	2.919	-1.01	+0.7	16.7	
1986 03 21		06 51.79	+16 30.6						
1986 03 31		06 58.36	+16 51.2	2.660	2.914	-0.91	+0.7	16.9	

(3230) 1972 LE		a,e,i = 3.13, 0.33, 16				Elements MPC 9585			
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.	
1985 10 22		07 41.37	+27 42.2	3.564	3.793	95.6	15.1	19.0	
1985 11 01		07 44.21	+28 11.4						
1985 11 11		07 45.09	+28 46.9	3.310	3.832	114.8	13.6	18.8	
1985 11 21		07 43.83	+29 28.4						
1985 12 01		07 40.40	+30 14.6	3.100	3.868	135.8	10.2	18.6	
1985 12 11		07 34.88	+31 03.2						
1985 12 21		07 27.54	+31 50.9	2.975	3.903	157.7	5.5	18.4	
1985 12 31		07 18.90	+32 34.1						
1986 01 10		07 09.65	+33 09.6	2.966	3.935	168.6	2.8	18.3	
1986 01 20		07 00.59	+33 35.5						
1986 01 30		06 52.52	+33 51.2	3.082	3.965	149.9	7.2	18.6	
1986 02 09		06 46.02	+33 57.7						
1986 02 19		06 41.52	+33 56.7	3.303	3.993	128.4	11.2	18.9	
1986 03 01		06 39.19	+33 50.2						
1986 03 11		06 39.02	+33 40.0	3.594	4.019	108.3	13.6	19.1	
1986 03 21		06 40.90	+33 27.3						
1986 03 31		06 44.63	+33 12.7	3.917	4.042	90.0	14.3	19.3	

(3160) 1980 LE		a,e,i = 2.38, 0.15, 5				Elements MPC 9294			
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.	
1985 10 22		07 45.37	+24 44.1	2.480	2.740	94.2	21.2	19.1	
1985 11 01		07 51.54	+24 30.7						
1985 11 11		07 55.32	+24 22.4	2.216	2.744	111.9	19.6	18.9	
1985 11 21		07 56.39	+24 20.3						
1985 12 01		07 54.52	+24 24.5	1.984	2.746	132.2	15.4	18.5	
1985 12 11		07 49.61	+24 34.1						
1985 12 21		07 41.85	+24 46.9	1.820	2.745	155.3	8.6	18.2	
1985 12 31		07 31.85	+24 59.5						
1986 01 10		07 20.56	+25 08.4	1.760	2.742	176.9	1.1	17.7	
1986 01 20		07 09.27	+25 11.1						
1986 01 30		06 59.27	+25 06.9	1.817	2.737	154.0	9.1	18.2	
1986 02 09		06 51.54	+24 56.8						
1986 02 19		06 46.70	+24 42.3	1.976	2.729	131.0	15.9	18.5	
1986 03 01		06 44.95	+24 25.1						
1986 03 11		06 46.18	+24 06.1	2.201	2.719	110.9	20.0	18.8	
1986 03 21		06 50.12	+23 45.5						
1986 03 31		06 56.44	+23 22.9	2.456	2.707	93.4	21.6	19.1	

1984 UQ		a,e,i = 2.56, 0.13, 15				Elements MPC		9458
Date	ET	R. A. (1950)	Decl.	Delta	r	Variation		Mag.
1985 10 22		07 41.36	+06 33.6	2.681	2.891	-0.78	+2.1	17.9
1985 11 01		07 46.51	+05 19.7					
1985 11 11		07 49.60	+04 06.9	2.417	2.889	-0.86	+2.2	17.7
1985 11 21		07 50.38	+02 57.9					
1985 12 01		07 48.73	+01 55.8	2.183	2.885	-0.96	+2.4	17.4
1985 12 11		07 44.61	+01 04.4					
1985 12 21		07 38.21	+00 27.3	2.012	2.879	-1.06	+2.7	17.1
1985 12 31		07 30.03	+00 08.0					
1986 01 10		07 20.81	+00 08.1	1.935	2.871	-1.11	+3.0	16.9
1986 01 20		07 11.50	+00 27.7					
1986 01 30		07 03.09	+01 04.3	1.969	2.862	-1.08	+3.0	17.0
1986 02 09		06 56.40	+01 53.7					
1986 02 19		06 52.02	+02 51.0	2.102	2.850	-1.00	+2.8	17.2
1986 03 01		06 50.19	+03 51.5					
1986 03 11		06 50.94	+04 51.1	2.305	2.837	-0.90	+2.4	17.5
1986 03 21		06 54.15	+05 46.7					
1986 03 31		06 59.57	+06 36.2	2.543	2.823	-0.81	+2.1	17.8

(3261) 1979 SF9		a,e,i = 2.90, 0.08, 3				Elements MPC		9756
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 10 22		07 43.62	+19 05.5	2.811	3.041	93.6	19.1	17.6
1985 11 01		07 49.01	+18 48.8					
1985 11 11		07 52.31	+18 37.3	2.546	3.052	111.5	17.6	17.4
1985 11 21		07 53.30	+18 32.2					
1985 12 01		07 51.85	+18 34.5	2.315	3.062	131.8	13.9	17.1
1985 12 11		07 47.94	+18 44.3					
1985 12 21		07 41.78	+19 01.0	2.154	3.071	154.5	7.9	16.8
1985 12 31		07 33.87	+19 22.7					
1986 01 10		07 24.93	+19 47.2	2.097	3.080	177.6	0.8	16.3
1986 01 20		07 15.92	+20 11.9					
1986 01 30		07 07.80	+20 34.9	2.160	3.088	156.5	7.3	16.8
1986 02 09		07 01.35	+20 54.8					
1986 02 19		06 57.14	+21 11.1	2.329	3.096	133.7	13.3	17.1
1986 03 01		06 55.40	+21 23.6					
1986 03 11		06 56.13	+21 32.4	2.570	3.102	113.4	17.1	17.4
1986 03 21		06 59.20	+21 37.3					
1986 03 31		07 04.38	+21 38.0	2.849	3.108	95.5	18.7	17.7

1973 SW4		a,e,i = 2.45, 0.15, 3				Elements MPC		9162
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 10 22		07 40.82	+23 58.3	1.986	2.299	95.1	25.5	18.2
1985 11 01		07 49.46	+23 38.5					
1985 11 11		07 55.37	+23 24.0	1.776	2.332	111.7	23.2	17.9
1985 11 21		07 58.17	+23 16.5					
1985 12 01		07 57.60	+23 16.8	1.594	2.364	131.4	18.2	17.6
1985 12 11		07 53.55	+23 24.3					
1985 12 21		07 46.25	+23 37.1	1.473	2.397	154.3	10.3	17.3
1985 12 31		07 36.42	+23 51.4					
1986 01 10		07 25.23	+24 03.2	1.448	2.431	177.9	0.8	16.8
1986 01 20		07 14.18	+24 09.5					
1986 01 30		07 04.72	+24 09.3	1.533	2.463	155.4	9.6	17.4
1986 02 09		06 57.87	+24 03.3					
1986 02 19		06 54.20	+23 52.9	1.716	2.496	132.8	16.9	17.8
1986 03 01		06 53.81	+23 39.3					
1986 03 11		06 56.46	+23 23.2	1.964	2.527	113.3	21.2	18.3
1986 03 21		07 01.81	+23 04.4					
1986 03 31		07 09.45	+22 42.5	2.244	2.558	96.5	22.8	18.6

1980 PM		a,e,i = 2.61, 0.18, 14				Elements MPC 6702		
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 10 22		07 39.75	+08 34.2	2.066	2.335	92.7	25.2	18.0
1985 11 01		07 47.74	+07 57.2					
1985 11 11		07 53.30	+07 26.9	1.862	2.371	108.6	23.3	17.8
1985 11 21		07 56.12	+07 07.0					
1985 12 01		07 56.01	+07 01.3	1.680	2.409	127.3	19.0	17.5
1985 12 11		07 52.89	+07 12.8					
1985 12 21		07 46.96	+07 44.0	1.553	2.447	148.7	12.1	17.2
1985 12 31		07 38.80	+08 34.8					
1986 01 10		07 29.33	+09 42.6	1.517	2.487	167.5	4.9	17.0
1986 01 20		07 19.78	+11 02.4					
1986 01 30		07 11.39	+12 27.6	1.593	2.526	156.3	9.0	17.2
1986 02 09		07 05.11	+13 52.2					
1986 02 19		07 01.54	+15 11.4	1.770	2.565	134.9	15.8	17.6
1986 03 01		07 00.91	+16 22.3					
1986 03 11		07 03.10	+17 23.2	2.019	2.604	115.4	20.2	18.1
1986 03 21		07 07.89	+18 13.6					
1986 03 31		07 14.93	+18 53.1	2.308	2.643	98.2	22.0	18.4

1981 EY21		a,e,i = 3.14, 0.23, 11				Elements MPC 9677		
Date	ET	R. A. (1950)	Decl.	Delta	r	Variation		Mag.
1985 10 22		07 29.73	+09 06.4	2.117	2.419	-1.25	+1.1	18.1
1985 11 01		07 38.34	+08 00.6					
1985 11 11		07 44.70	+06 57.0	1.887	2.419	-1.40	+1.2	17.8
1985 11 21		07 48.53	+05 59.4					
1985 12 01		07 49.63	+05 11.4	1.687	2.423	-1.59	+1.4	17.5
1985 12 11		07 47.94	+04 37.3					
1985 12 21		07 43.59	+04 20.9	1.545	2.432	-1.78	+1.7	17.2
1985 12 31		07 37.13	+04 25.1					
1986 01 10		07 29.38	+04 50.3	1.489	2.446	-1.89	+1.9	17.0
1986 01 20		07 21.46	+05 34.9					
1986 01 30		07 14.52	+06 34.0	1.536	2.463	-1.83	+1.9	17.1
1986 02 09		07 09.51	+07 41.8					
1986 02 19		07 07.04	+08 52.6	1.679	2.485	-1.66	+1.6	17.5
1986 03 01		07 07.38	+10 01.0					
1986 03 11		07 10.47	+11 03.6	1.893	2.510	-1.45	+1.4	17.9
1986 03 21		07 16.11	+11 57.7					
1986 03 31		07 23.98	+12 41.7	2.150	2.539	-1.28	+1.2	18.2

1981 GQ		a,e,i = 3.12, 0.28, 14				Elements MPC 9965		
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 10 22		07 36.52	+36 52.3	2.420	2.741	98.0	21.1	19.1
1985 11 01		07 45.91	+37 34.0					
1985 11 11		07 53.07	+38 23.7	2.127	2.687	114.0	19.7	18.7
1985 11 21		07 57.53	+39 21.7					
1985 12 01		07 58.87	+40 26.9	1.874	2.633	131.5	16.3	18.3
1985 12 11		07 56.73	+41 35.7					
1985 12 21		07 50.99	+42 41.9	1.688	2.582	149.1	11.3	18.0
1985 12 31		07 42.05	+43 36.7					
1986 01 10		07 30.87	+44 11.2	1.594	2.532	157.8	8.4	17.7
1986 01 20		07 19.04	+44 18.8					
1986 01 30		07 08.40	+43 58.0	1.603	2.486	146.7	12.6	17.8
1986 02 09		07 00.45	+43 12.6					
1986 02 19		06 56.16	+42 08.8	1.699	2.442	128.7	18.4	18.0
1986 03 01		06 55.83	+40 53.4					
1986 03 11		06 59.25	+39 31.4	1.856	2.402	111.3	22.7	18.3
1986 03 21		07 06.03	+38 05.7					
1986 03 31		07 15.63	+36 37.6	2.044	2.366	95.9	24.8	18.5

1981 PB		a,e,i = 2.13, 0.28, 5				Elements MPC		8908
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 10 22		08 00.14	+25 56.1	2.407	2.623	91.2	22.3	21.0
1985 11 01		08 06.84	+25 54.9					
1985 11 11		08 11.07	+26 01.2	2.162	2.651	108.7	20.7	20.8
1985 11 21		08 12.47	+26 16.3					
1985 12 01		08 10.76	+26 40.2	1.943	2.674	128.9	16.7	20.5
1985 12 11		08 05.77	+27 11.5					
1985 12 21		07 57.58	+27 46.8	1.786	2.694	151.8	9.9	20.1
1985 12 31		07 46.75	+28 20.9					
1986 01 10		07 34.26	+28 48.2	1.730	2.708	172.8	2.6	19.8
1986 01 20		07 21.49	+29 04.4					
1986 01 30		07 09.89	+29 08.0	1.793	2.719	155.2	8.8	20.1
1986 02 09		07 00.62	+29 00.2					
1986 02 19		06 54.40	+28 44.0	1.961	2.725	132.1	15.6	20.5
1986 03 01		06 51.48	+28 22.1					
1986 03 11		06 51.72	+27 56.9	2.197	2.726	111.7	19.8	20.8
1986 03 21		06 54.86	+27 29.5					
1986 03 31		07 00.49	+27 00.2	2.465	2.723	94.0	21.5	21.1

1983 CB3		a,e,i = 2.25, 0.13, 6				Elements MPC		9356
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 10 22		07 49.42	+24 56.5	2.198	2.465	93.4	23.8	18.7
1985 11 01		07 58.00	+24 33.9					
1985 11 11		08 04.23	+24 15.6	1.925	2.446	109.9	22.4	18.4
1985 11 21		08 07.70	+24 03.1					
1985 12 01		08 08.05	+23 57.5	1.679	2.425	129.1	18.4	18.0
1985 12 11		08 05.00	+23 58.5					
1985 12 21		07 58.50	+24 04.8	1.492	2.403	151.5	11.3	17.5
1985 12 31		07 48.98	+24 12.9					
1986 01 10		07 37.34	+24 18.6	1.397	2.378	175.8	1.7	17.0
1986 01 20		07 25.04	+24 18.4					
1986 01 30		07 13.73	+24 10.3	1.413	2.353	157.4	9.3	17.3
1986 02 09		07 04.79	+23 55.1					
1986 02 19		06 59.16	+23 34.6	1.528	2.326	134.0	17.8	17.7
1986 03 01		06 57.17	+23 10.7					
1986 03 11		06 58.74	+22 44.5	1.709	2.298	113.9	23.3	18.0
1986 03 21		07 03.55	+22 16.1					
1986 03 31		07 11.16	+21 44.8	1.920	2.269	97.0	25.9	18.3

1981 EK18		a,e,i = 3.14, 0.13, 1				Elements MPC		9676
Date	ET	R. A. (1950)	Decl.	Delta	r	Variation		Mag.
1985 10 22		07 44.67	+20 02.7	2.589	2.831	-1.08	+2.5	18.3
1985 11 01		07 51.98	+19 38.0					
1985 11 11		07 57.25	+19 17.3	2.310	2.814	-1.22	+3.1	18.0
1985 11 21		08 00.19	+19 02.3					
1985 12 01		08 00.61	+18 54.4	2.063	2.799	-1.39	+3.6	17.7
1985 12 11		07 58.39	+18 54.3					
1985 12 21		07 53.62	+19 01.7	1.880	2.785	-1.55	+3.8	17.3
1985 12 31		07 46.71	+19 15.4					
1986 01 10		07 38.36	+19 33.1	1.792	2.773	-1.63	+3.6	16.8
1986 01 20		07 29.56	+19 52.1					
1986 01 30		07 21.44	+20 10.0	1.818	2.763	-1.58	+3.0	17.2
1986 02 09		07 14.94	+20 25.1					
1986 02 19		07 10.78	+20 36.6	1.949	2.755	-1.43	+2.4	17.5
1986 03 01		07 09.32	+20 44.1					
1986 03 11		07 10.59	+20 47.2	2.153	2.749	-1.27	+2.2	17.8
1986 03 21		07 14.47	+20 45.8					
1986 03 31		07 20.68	+20 39.4	2.399	2.744	-1.14	+2.1	18.1

1981 PA		a, e, i = 2.37, 0.36, 22				Elements MPC 8392			
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.	
1985 10 22		07 22.43	+57 49.2	0.972	1.529	102.0	39.5	16.3	
1985 11 01		07 54.61	+58 19.8						
1985 11 11		08 20.80	+58 29.3	0.867	1.523	110.0	37.7	16.0	
1985 11 21		08 39.22	+58 24.7						
1985 12 01		08 48.48	+58 07.9	0.772	1.535	121.1	33.4	15.6	
1985 12 11		08 47.60	+57 34.4						
1985 12 21		08 36.58	+56 28.7	0.701	1.564	135.7	26.1	15.3	
1985 12 31		08 17.78	+54 28.8						
1986 01 10		07 55.77	+51 19.1	0.680	1.609	150.1	17.8	15.1	
1986 01 20		07 35.89	+47 04.1						
1986 01 30		07 21.73	+42 11.6	0.740	1.667	149.7	17.3	15.4	
1986 02 09		07 14.16	+37 16.1						
1986 02 19		07 12.58	+32 42.5	0.889	1.735	135.0	23.8	16.0	
1986 03 01		07 15.81	+28 41.9						
1986 03 11		07 22.64	+25 15.0	1.107	1.810	119.0	28.7	16.7	
1986 03 21		07 32.17	+22 16.8						
1986 03 31		07 43.66	+19 41.2	1.370	1.891	104.8	30.7	17.3	

1981 EP		a, e, i = 3.15, 0.18, 24				Elements MPC 8381			
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.	
1985 10 22		07 48.73	-04 02.3	2.420	2.586	88.1	22.6	17.0	
1985 11 01		07 56.88	-05 29.5						
1985 11 11		08 03.05	-06 54.0	2.199	2.592	102.0	21.9	16.8	
1985 11 21		08 06.96	-08 11.8						
1985 12 01		08 08.46	-09 18.2	1.997	2.600	117.3	19.7	16.5	
1985 12 11		08 07.42	-10 07.9						
1985 12 21		08 03.92	-10 34.8	1.836	2.612	133.4	15.9	16.3	
1985 12 31		07 58.31	-10 33.7						
1986 01 10		07 51.20	-10 01.1	1.746	2.627	147.1	11.7	16.1	
1986 01 20		07 43.48	-08 56.6						
1986 01 30		07 36.18	-07 24.0	1.749	2.644	149.2	11.0	16.1	
1986 02 09		07 30.21	-05 30.3						
1986 02 19		07 26.29	-03 24.6	1.851	2.664	137.4	14.5	16.3	
1986 03 01		07 24.83	-01 15.9						
1986 03 11		07 25.93	+00 48.5	2.036	2.686	121.0	18.5	16.6	
1986 03 21		07 29.52	+02 43.3						
1986 03 31		07 35.36	+04 25.0	2.278	2.711	104.7	20.9	16.9	

1981 QN		a, e, i = 2.25, 0.20, 4				Elements MPC 7011			
Date	ET	R. A. (1950)	Decl.	Delta	r	Variation		Mag.	
1985 10 22		08 03.14	+19 24.3	1.922	2.151	-1.36	+4.8	18.7	
1985 11 01		08 13.09	+18 32.9						
1985 11 11		08 20.41	+17 45.8	1.727	2.199	-1.50	+5.6	18.5	
1985 11 21		08 24.73	+17 05.7						
1985 12 01		08 25.76	+16 34.8	1.546	2.246	-1.69	+6.3	18.2	
1985 12 11		08 23.27	+16 14.7						
1985 12 21		08 17.28	+16 06.3	1.413	2.292	-1.93	+6.8	17.9	
1985 12 31		08 08.28	+16 08.5						
1986 01 10		07 57.18	+16 19.1	1.363	2.337	-2.07	+6.6	17.6	
1986 01 20		07 45.38	+16 34.7						
1986 01 30		07 34.44	+16 51.8	1.422	2.380	-2.00	+5.7	17.8	
1986 02 09		07 25.63	+17 08.1						
1986 02 19		07 19.81	+17 21.9	1.585	2.421	-1.76	+4.7	18.3	
1986 03 01		07 17.28	+17 32.2						
1986 03 11		07 17.95	+17 38.3	1.821	2.460	-1.49	+4.0	18.7	
1986 03 21		07 21.53	+17 39.7						
1986 03 31		07 27.61	+17 35.6	2.099	2.497	-1.27	+3.6	19.1	

1978 VK9		a,e,i = 2.25, 0.16, 5				Elements MPC		8149
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 10 22		07 58.80	+18 24.5	1.830	2.083	90.0	28.5	18.1
1985 11 01		08 09.66	+17 25.5					
1985 11 11		08 17.91	+16 29.7	1.634	2.119	105.1	26.8	17.8
1985 11 21		08 23.17	+15 40.0					
1985 12 01		08 25.12	+14 59.3	1.453	2.157	123.2	22.5	17.5
1985 12 11		08 23.50	+14 29.8					
1985 12 21		08 18.29	+14 13.2	1.317	2.195	144.7	15.0	17.2
1985 12 31		08 09.91	+14 09.7					
1986 01 10		07 59.27	+14 17.8	1.261	2.233	168.2	5.2	16.8
1986 01 20		07 47.79	+14 34.6					
1986 01 30		07 37.07	+14 56.1	1.310	2.270	163.0	7.3	17.0
1986 02 09		07 28.47	+15 19.1					
1986 02 19		07 22.92	+15 40.7	1.459	2.306	140.1	16.0	17.5
1986 03 01		07 20.76	+15 59.0					
1986 03 11		07 21.89	+16 12.8	1.682	2.342	119.9	21.6	18.0
1986 03 21		07 26.02	+16 20.8					
1986 03 31		07 32.73	+16 22.1	1.946	2.376	102.8	24.2	18.4

1980 RU		a,e,i = 2.58, 0.14, 15				Elements MPC		7601
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 10 22		08 09.11	+36 41.6	2.199	2.437	91.5	24.1	18.7
1985 11 01		08 19.64	+36 55.0					
1985 11 11		08 27.44	+37 16.0	1.988	2.468	107.1	22.5	18.5
1985 11 21		08 32.09	+37 45.5					
1985 12 01		08 33.19	+38 22.6	1.799	2.499	125.0	18.9	18.2
1985 12 11		08 30.42	+39 04.0					
1985 12 21		08 23.72	+39 44.0	1.664	2.530	144.5	13.1	17.9
1985 12 31		08 13.57	+40 14.1					
1986 01 10		08 01.00	+40 26.1	1.615	2.561	159.9	7.6	17.7
1986 01 20		07 47.62	+40 14.0					
1986 01 30		07 35.25	+39 37.0	1.674	2.592	153.3	9.8	17.9
1986 02 09		07 25.33	+38 39.3					
1986 02 19		07 18.76	+37 27.3	1.833	2.623	134.5	15.6	18.3
1986 03 01		07 15.81	+36 07.8					
1986 03 11		07 16.27	+34 45.4	2.066	2.652	115.7	19.7	18.6
1986 03 21		07 19.77	+33 23.1					
1986 03 31		07 25.82	+32 01.9	2.341	2.681	98.7	21.6	19.0

(3186) 1973 SD3		a,e,i = 3.12, 0.16, 1				Elements MPC		9420
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 10 22		08 11.47	+19 14.7	2.909	3.028	87.2	19.2	18.7
1985 11 01		08 18.18	+18 51.5					
1985 11 11		08 22.95	+18 33.9	2.660	3.061	104.4	18.3	18.5
1985 11 21		08 25.54	+18 23.2					
1985 12 01		08 25.81	+18 20.7	2.433	3.093	123.9	15.3	18.2
1985 12 11		08 23.66	+18 26.6					
1985 12 21		08 19.15	+18 40.8	2.262	3.125	145.8	10.2	18.0
1985 12 31		08 12.62	+19 01.5					
1986 01 10		08 04.61	+19 26.3	2.185	3.157	169.7	3.2	17.7
1986 01 20		07 55.91	+19 52.4					
1986 01 30		07 47.45	+20 16.9	2.225	3.189	165.8	4.4	17.8
1986 02 09		07 40.08	+20 37.6					
1986 02 19		07 34.49	+20 53.6	2.379	3.219	142.4	10.8	18.2
1986 03 01		07 31.09	+21 04.2					
1986 03 11		07 30.01	+21 09.7	2.621	3.249	121.3	15.1	18.5
1986 03 21		07 31.23	+21 10.1					
1986 03 31		07 34.57	+21 05.6	2.914	3.279	102.5	17.3	18.8

1952 JH		a,e,i = 2.67, 0.16, 9			Elements MPC 9359			
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 11 11		08 18.95	+11 06.2	2.038	2.465	103.5	23.0	17.5
1985 11 21		08 24.46	+09 53.9					
1985 12 01		08 27.48	+08 45.9	1.777	2.432	120.7	20.4	17.1
1985 12 11		08 27.73	+07 45.3					
1985 12 21		08 25.06	+06 55.3	1.562	2.401	140.1	15.2	16.7
1985 12 31		08 19.61	+06 19.4					
1986 01 10		08 11.82	+06 00.2	1.424	2.372	159.9	8.2	16.3
1986 01 20		08 02.59	+05 58.9					
1986 01 30		07 53.17	+06 14.2	1.386	2.344	162.4	7.3	16.2
1986 02 09		07 44.84	+06 43.0					
1986 02 19		07 38.72	+07 20.4	1.450	2.319	143.3	14.8	16.5
1986 03 01		07 35.54	+08 01.4					
1986 03 11		07 35.55	+08 41.2	1.592	2.296	123.6	21.1	16.8
1986 03 21		07 38.73	+09 16.4					
1986 03 31		07 44.81	+09 44.0	1.781	2.276	106.5	24.9	17.1
1986 04 10		07 53.42	+10 02.5					
1986 04 20		08 04.20	+10 10.5	1.991	2.260	91.9	26.4	17.4

1983 DJ		a,e,i = 2.19, 0.10, 5			Elements MPC 7836			
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 11 11		08 17.75	+26 34.9	1.434	1.970	107.3	28.7	17.4
1985 11 21		08 26.97	+26 47.6					
1985 12 01		08 32.79	+27 12.4	1.245	1.974	124.1	24.4	17.0
1985 12 11		08 34.70	+27 50.1					
1985 12 21		08 32.31	+28 39.2	1.099	1.982	144.2	16.9	16.6
1985 12 31		08 25.72	+29 33.6					
1986 01 10		08 15.61	+30 24.4	1.024	1.992	165.4	7.1	16.2
1986 01 20		08 03.56	+31 01.1					
1986 01 30		07 51.70	+31 16.6	1.045	2.004	161.7	8.9	16.3
1986 02 09		07 42.05	+31 09.6					
1986 02 19		07 36.03	+30 43.6	1.157	2.019	140.3	18.2	16.8
1986 03 01		07 34.21	+30 03.7					
1986 03 11		07 36.45	+29 14.4	1.337	2.037	121.2	24.7	17.2
1986 03 21		07 42.32	+28 18.4					
1986 03 31		07 51.19	+27 16.8	1.556	2.056	105.1	28.0	17.7
1986 04 10		08 02.46	+26 10.0					
1986 04 20		08 15.61	+24 57.6	1.793	2.076	91.4	28.9	18.0

1979 ML3		a,e,i = 2.59, 0.10, 3			Elements MPC 6305			
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 11 11		08 31.28	+15 34.5	2.401	2.778	101.8	20.4	19.1
1985 11 21		08 35.47	+15 03.2					
1985 12 01		08 37.27	+14 39.6	2.132	2.763	120.3	18.0	18.8
1985 12 11		08 36.49	+14 25.3					
1985 12 21		08 33.00	+14 21.7	1.910	2.748	141.4	12.9	18.4
1985 12 31		08 26.95	+14 28.7					
1986 01 10		08 18.78	+14 45.4	1.771	2.732	164.7	5.5	18.0
1986 01 20		08 09.27	+15 09.5					
1986 01 30		07 59.50	+15 37.5	1.742	2.715	168.4	4.2	17.9
1986 02 09		07 50.61	+16 06.2					
1986 02 19		07 43.58	+16 32.7	1.826	2.696	145.0	12.1	18.2
1986 03 01		07 39.09	+16 55.1					
1986 03 11		07 37.41	+17 12.1	1.998	2.678	123.5	18.0	18.6
1986 03 21		07 38.59	+17 23.0					
1986 03 31		07 42.41	+17 27.2	2.220	2.658	104.9	21.3	18.8
1986 04 10		07 48.58	+17 24.5					
1986 04 20		07 56.80	+17 14.2	2.462	2.638	88.7	22.4	19.1

1984 SM4		a, e, i = 2.79, 0.09, 4			Elements MPC 9415			
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 11 11		08 32.14	+14 50.7	2.249	2.629	101.4	21.7	18.4
1985 11 21		08 37.15	+14 25.0					
1985 12 01		08 39.68	+14 08.8	2.017	2.646	119.6	18.9	18.1
1985 12 11		08 39.55	+14 03.9					
1985 12 21		08 36.67	+14 11.6	1.830	2.663	140.5	13.6	17.8
1985 12 31		08 31.22	+14 31.7					
1986 01 10		08 23.66	+15 02.7	1.723	2.682	163.8	5.9	17.4
1986 01 20		08 14.82	+15 41.3					
1986 01 30		08 05.78	+16 23.1	1.725	2.700	170.0	3.6	17.3
1986 02 09		07 57.63	+17 04.0					
1986 02 19		07 51.33	+17 40.7	1.838	2.719	146.8	11.5	17.8
1986 03 01		07 47.48	+18 11.0					
1986 03 11		07 46.34	+18 33.8	2.040	2.738	125.5	17.2	18.1
1986 03 21		07 47.88	+18 48.8					
1986 03 31		07 51.92	+18 55.7	2.297	2.758	106.9	20.3	18.5
1986 04 10		07 58.13	+18 54.6					
1986 04 20		08 06.22	+18 45.5	2.579	2.777	90.6	21.2	18.8

(3239) 1978 UJ2		a, e, i = 2.18, 0.22, 3			Elements MPC 9591			
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 11 11		08 45.70	+18 46.4	2.085	2.447	99.3	23.5	19.6
1985 11 21		08 50.78	+18 38.9					
1985 12 01		08 53.09	+18 43.2	1.867	2.484	117.7	20.6	19.3
1985 12 11		08 52.34	+19 00.7					
1985 12 21		08 48.37	+19 31.6	1.689	2.518	139.3	14.7	19.0
1985 12 31		08 41.31	+20 13.7					
1986 01 10		08 31.63	+21 02.8	1.590	2.549	163.8	6.2	18.7
1986 01 20		08 20.30	+21 53.1					
1986 01 30		08 08.66	+22 38.4	1.601	2.576	169.9	3.9	18.6
1986 02 09		07 58.07	+23 14.4					
1986 02 19		07 49.70	+23 39.2	1.725	2.600	145.4	12.5	19.0
1986 03 01		07 44.26	+23 52.9					
1986 03 11		07 41.97	+23 56.9	1.937	2.620	123.5	18.4	19.5
1986 03 21		07 42.76	+23 52.5					
1986 03 31		07 46.33	+23 40.7	2.200	2.637	104.7	21.5	19.8
1986 04 10		07 52.30	+23 22.3					
1986 04 20		08 00.29	+22 57.5	2.481	2.650	88.4	22.3	20.1

(3145) 1955 RY		a, e, i = 2.19, 0.24, 5			Elements MPC 9287			
Date	ET	R. A. (1950)	Decl.	Delta	r	Elong.	Phase	Mag.
1985 11 11		08 51.52	+17 08.6	2.227	2.552	97.5	22.6	19.8
1985 11 21		08 55.99	+16 34.1					
1985 12 01		08 57.83	+16 08.6	1.996	2.584	115.9	20.1	19.5
1985 12 11		08 56.77	+15 53.6					
1985 12 21		08 52.65	+15 49.8	1.803	2.613	137.4	14.8	19.2
1985 12 31		08 45.60	+15 56.7					
1986 01 10		08 36.06	+16 12.6	1.687	2.638	161.6	6.8	18.9
1986 01 20		08 24.89	+16 34.0					
1986 01 30		08 13.31	+16 57.2	1.680	2.659	171.9	3.0	18.7
1986 02 09		08 02.60	+17 18.5					
1986 02 19		07 53.86	+17 35.7	1.791	2.677	147.4	11.5	19.2
1986 03 01		07 47.82	+17 47.5					
1986 03 11		07 44.76	+17 53.6	1.993	2.691	125.2	17.6	19.6
1986 03 21		07 44.66	+17 53.7					
1986 03 31		07 47.28	+17 48.0	2.249	2.701	106.0	20.8	19.9
1986 04 10		07 52.27	+17 36.3					
1986 04 20		07 59.29	+17 18.4	2.526	2.707	89.3	21.8	20.2