



Universiteit
Leiden
The Netherlands

Positions of minor planets, observed in 1947 and 1948 (Errata: 11 270)

Pels, G.

Citation

Pels, G. (1950). Positions of minor planets, observed in 1947 and 1948 (Errata: 11 270). *Bulletin Of The Astronomical Institutes Of The Netherlands*, 11, 111. Retrieved from <https://hdl.handle.net/1887/6124>

Version: Not Applicable (or Unknown)

License: [Leiden University Non-exclusive license](#)

Downloaded from: <https://hdl.handle.net/1887/6124>

Note: To cite this publication please use the final published version (if applicable).

BULLETIN OF THE ASTRONOMICAL INSTITUTES OF THE NETHERLANDS

1950 JANUARY 7

VOLUME XI

NUMBER 409

COMMUNICATION FROM THE OBSERVATORY AT LEIDEN

POSITIONS OF MINOR PLANETS, OBSERVED IN 1947 AND 1948,

BY G. PELS

This note contains the last series of observations of Minor Planets of Dr BROUWER's programme; the observations were commenced in 1938 by Dr VAN HERK and have been continued, with only slight interruptions due to the war, till now. The earlier series of observations have been published in *B.A.N.* Nos 324, 336, 343, 351, 364, 372 and 387; data concerning the way the plates have been taken and measured have been given in these notes, as well as further details with respect to abbreviations and the arrangement of the tables.

The plates used were principally Eastman spectroscopic 103a-O, indicated in the tables by K and k for the sizes 16 × 16 and 9 × 12 cm, respectively, and Ilford Zenith, 16 × 16 cm, indicated by an I.

Again the differences between the two positions on a plate were compared with the values computed from the ephemerides, the mean absolute differences being distinguished according to whether the instrument was reversed or not. The values are:

instrument not reversed

 α -coord. δ -coord.

instrument reversed

 α -coord. δ -coord. $^s 0^{\circ}013$ $^{\circ}15$ (438) $^s 0^{\circ}018$ $^{\circ}21$ (108)

The values differ not much from those of the former series.

As in the reductions mentioned in *B.A.N.* No. 387, positions of the reference stars, as far as available, have been taken again from the Yale Catalogues; proper motions up to the dates of observation have been applied.

Some plates giving rise to uncertainties have been measured twice; details regarding these cases may be found in the remarks in the tables.

Tables 1 and 2 contain the observations of 1947 and 1948, respectively, while the positions of the reference stars with the dependences of the observations of both years have been compiled in Table 3.

TABLE 1

(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(12)	Remarks
	1947 (1)								
7445	Aug 27 ^h 12 ^m 59 ^s 7	60 ^s	2 40 48 ^{h m s} 390	— 0 ^s 99	+ 3 35 1 ^{o ' "} 54	6 ^{''} 58	I	I	k
	27 ^h 12 ^m 59 ^s 7	60	2 40 48 ^{h m s} 394	— 0 ^s 97	+ 3 35 1 ^{o ' "} 57	6 ^{''} 58	I	I	
	27 ^h 13 ^m 19 ^s 2	60	2 40 48 ^{h m s} 466	— 0 ^s 85	+ 3 35 1 ^{o ' "} 07	6 ^{''} 58	I	2	
	27 ^h 13 ^m 26 ^s 7	60	2 40 48 ^{h m s} 480	— 0 ^s 84	+ 3 35 1 ^{o ' "} 12	6 ^{''} 58	I	2	
7458	29 ^h 09 ^m 31 ^s 0	60	2 41 16 ^{h m s} 470	— 1 ^s 57	+ 3 32 32 ^{o ' "} 76	6 ^{''} 60	2	2	k
	29 ^h 09 ^m 39 ^s 1	60	2 41 16 ^{h m s} 478	— 1 ^s 56	+ 3 32 32 ^{o ' "} 88	6 ^{''} 60	2	2	
	29 ^h 09 ^m 36 ^s 4	60	2 41 16 ^{h m s} 476	— 1 ^s 46	+ 3 32 32 ^{o ' "} 40	6 ^{''} 60	2	I	
	29 ^h 09 ^m 39 ^s 9	60	2 41 16 ^{h m s} 511	— 1 ^s 44	+ 3 32 32 ^{o ' "} 08	6 ^{''} 60	2	I	
7473	Sep 2 ^h 09 ^m 68 ^s 4	60	2 41 57 ^{h m s} 739	— 1 ^s 28	+ 3 26 21 ^{o ' "} 85	6 ^{''} 60	3	I	K
	2 ^h 09 ^m 75 ^s 9	60	2 41 57 ^{h m s} 749	— 1 ^s 26	+ 3 26 21 ^{o ' "} 81	6 ^{''} 60	3	I	
	2 ^h 10 ^m 36 ^s 5	60	2 41 57 ^{h m s} 791	— 1 ^s 13	+ 3 26 21 ^{o ' "} 24	6 ^{''} 60	3	2	
	2 ^h 10 ^m 44 ^s 0	60	2 41 57 ^{h m s} 773	— 1 ^s 12	+ 3 26 21 ^{o ' "} 06	6 ^{''} 60	3	2	
7484	4 ^h 11 ^m 54 ^s 7	45	2 42 10 ^{h m s} 193	— 0 ^s 76	+ 3 22 41 ^{o ' "} 73	6 ^{''} 59	4	I	K
	4 ^h 11 ^m 60 ^s 5	45	2 42 10 ^{h m s} 201	— 0 ^s 74	+ 3 22 41 ^{o ' "} 73	6 ^{''} 59	4	I	
	4 ^h 12 ^m 06 ^s 7	45	2 42 10 ^{h m s} 234	— 0 ^s 64	+ 3 22 41 ^{o ' "} 02	6 ^{''} 59	4	2	
	4 ^h 12 ^m 12 ^s 4	45	2 42 10 ^{h m s} 235	— 0 ^s 63	+ 3 22 40 ^{o ' "} 76	6 ^{''} 59	4	2	
7495	5 ^h 11 ^m 66 ^s 6	45	2 42 14 ^{h m s} 328	— 0 ^s 67	+ 3 20 44 ^{o ' "} 47	6 ^{''} 60	5	I	K
	5 ^h 11 ^m 72 ^s 7	50	2 42 14 ^{h m s} 345	— 0 ^s 65	+ 3 20 44 ^{o ' "} 38	6 ^{''} 60	5	I	
	5 ^h 12 ^m 35 ^s 3	45	2 42 14 ^{h m s} 365	— 0 ^s 52	+ 3 20 43 ^{o ' "} 42	6 ^{''} 59	5	2	
	5 ^h 12 ^m 41 ^s 1	45	2 42 14 ^{h m s} 380	— 0 ^s 50	+ 3 20 43 ^{o ' "} 11	6 ^{''} 59	5	2	

TABLE I (continued)

(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(12)	Remarks	
7512	Sep	16°10642 16°10671 16°11145 16°11174	^s 20 20 20 20	^{h m s} 2 41 25°542 2 41 25°532 2 41 25°458 2 41 25°432	^s —°021 —°020 —°010 —°009	+ 2 53 45°67 + 2 53 45°52 + 2 53 44°35 + 2 53 44°38	6°64 6°64 6°64 6°64	6 6 6 6	I I 2 2	k
7521		20°07431 20°07472	30 30	2 40 24°754 2 40 24°749	—°067 —°066	+ 2 41 53°17 + 2 41 53°17	6°66 6°66	7 7	I I	k
7528		25°15270 25°15311 25°15687 25°15726	30 30 30 30	2 38 33°483 2 38 33°479 2 38 33°359 2 38 33°362	+°141 +°142 +°150 +°150	+ 2 25 24°74 + 2 25 24°70 + 2 25 23°90 + 2 25 24°12	6°70 6°70 6°70 6°70	8 8 8 8	I I 2 2	k
7532		26°00838 26°00895 26°01412 26°01458	45 45 30 30	2 38 11°073 2 38 11°055 2 38 10°923 2 38 10°919	—°170 —°169 —°158 —°157	+ 2 22 26°89 + 2 22 26°62 + 2 22 25°77 + 2 22 25°60	6°71 6°71 6°71 6°71	9 9 9 9	I I 2 2	k
7538	Oct	3°03546 3°03586	30 30	2 34 30°909 2 34 30°909	—°066 —°065	+ 1 57 56°98 + 1 57 56°95	6°73 6°73	10 10	I I	k
7545		5°02302 5°02342 5°02816 5°02856	30 30 30 30	2 33 17°142 2 33 17°124 2 33 16°950 2 33 16°941	—°079 —°078 —°068 —°067	+ 1 50 52°58 + 1 50 52°28 + 1 50 51°22 + 1 50 51°33	6°74 6°74 6°74 6°74	11 11 11 11	I I 2 2	K
7553		10°01376 10°01416 10°01907 10°01947	30 30 30 30	2 29 51°832 2 29 51°825 2 29 51°574 2 29 51°561	—°064 —°063 —°052 —°051	+ 1 33 10°28 + 1 33 10°21 + 1 33 9°06 + 1 33 9°00	6°77 6°77 6°77 6°77	12 12 12 12	I I I I	k
7558		20°01012 20°01041 20°01618 20°01647	20 20 20 20	2 21 49°922 2 21 49°903 2 21 49°608 2 21 49°581	+°002 +°003 +°016 +°016	+ 1 0 0°04 + 0 59 59°70 + 0 59 58°60 + 0 59 58°43	6°82 6°82 6°82 6°82	13 13 13 13	I I 2 2	K
7570		25°98550 25°98590 25°99161 25°99202	30 30 30 30	2 16 33°367 2 16 33°337 2 16 33°018 2 16 32°983	—°008 —°008 +°006 +°006	+ 0 43 22°88 + 0 43 22°78 + 0 43 21°92 + 0 43 21°83	6°85 6°85 6°85 6°85	14 14 14 14	I I 2 2	K
7578		28°01374 28°01415 28°01930 28°01969	30 30 30 30	2 14 43°823 2 14 43°793 2 14 43°501 2 14 43°497	+°071 +°072 +°083 +°084	+ 0 38 29°76 + 0 38 29°62 + 0 38 28°65 + 0 38 28°53	6°86 6°86 6°86 6°86	15 15 15 15	I I 2 2	k
7591	Dec	6°01803 6°01861	40 40	1 47 9°454 1 47 9°436	+°307 +°307	+ 0 57 37°47 + 0 57 37°49	6°87 6°87	16 16	I I	k
7598		10°78427 10°78485 10°79489 10°79541	40 40 40 40	1 45 48°452 1 45 48°426 1 45 48°276 1 45 48°263	—°129 —°128 —°106 —°105	+ 1 15 56°07 + 1 15 56°32 + 1 15 58°98 + 1 15 58°90	6°80 6°80 6°80 6°80	17 17 17 17	2 2 I I	K
7261	Jun	(2) 25°03142 25°03355	180 180	22 43 24°939 22 43 24°958	—°293 —°290	+ 11 22 2°23 + 11 22 2°52	6°14 6°12	18 18	I I	k
7285	Jul	13°06801 13°06945	120 120	22 43 12°471 22 43 12°437	—°136 —°133	+ 11 15 18°59 + 11 15 18°22	5°80 5°80	19 19	I I	k
7292		15°07397 15°07559	60 60	22 42 48°761 22 42 48°721	—°110 —°107	+ 11 11 1°58 + 11 11 1°41	5°79 5°78	20 20	I I	K
7299		16°08388 16°08462	60 60	22 42 35°114 22 42 35°113	—°082 —°080	+ 11 8 34°17 + 11 8 34°02	5°77 5°77	21 21	I I	k ; one star at the edge of the plate.
7322		27°09022 27°09103	60 70	22 38 53°641 22 38 53°622	+°008 +°009	+ 10 28 0°82 + 10 28 0°99	5°82 5°82	22 22	I I	k
7333	Aug	4°03056 4°03131	60 60	22 34 56°604 22 34 56°581	—°073 —°071	+ 9 42 14°61 + 9 42 14°73	5°93 5°92	23 23	I I	K
7340		9°05135 9°05210	60 60	22 31 57°317 22 31 57°291	+°011 +°013	+ 9 5 57°97 + 9 5 57°60	5°98 5°98	24 24	I I	K
7348		11°07289 11°07641 11°08374 11°08726	300 300 300 300	22 30 39°500 22 30 39°376 22 30 39°075 22 30 38°937	+°074 +°082 +°099 +°107	+ 8 49 47°49 + 8 49 45°79 + 8 49 42°21 + 8 49 40°67	6°02 6°03 6°04 6°04	25 25 25 25	I I 2 2	k
7353		12°02583 12°02658 12°03230 12°03310	60 60 60 60	22 30 2°041 22 30 2°005 22 30 1°760 22 30 1°727	—°026 —°024 —°011 —°009	+ 8 41 50°09 + 8 41 49°80 + 8 41 47°13 + 8 41 46°62	6°02 6°02 6°02 6°02	26 26 26 26	I I 2 2	k
7358		12°96130 12°96204 12°96573 12°96648	61 60 60 60	22 29 24°508 22 29 24°478 22 29 24°292 22 29 24°265	—°161 —°160 —°152 —°150	+ 8 33 54°25 + 8 33 53°91 + 8 33 51°48 + 8 33 51°09	6°12 6°12 6°11 6°11	27 27 27 27	2 2 I I	k
7368		14°05621	60	22 28 39°685	+°058	+ 8 24 17°59	6°06	28	I	k

TABLE I (continued)

(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(12)	Remarks
7368	Aug 14°05696	60 ^s	22 28 39 ^h 720 ^m	+ 060 ^s	+ 8° 24' 17" 19	6'06	28	I	
	14°06131	45	22 28 39'502	+ 070	+ 8 24 14'88	6'07	28	2	
	14°06201	45	22 28 39'487	+ 071	+ 8 24 14'79	6'07	28	2	
7376	15°98656	60	22 27 19'381	- 086	+ 8 6 41'26	6'11	29	2	k
	15°98732	60	22 27 19'350	- 084	+ 8 6 41'11	6'11	29	2	
	15°99147	60	22 27 19'171	- 075	+ 8 6 39'15	6'10	29	I	
	15°99222	60	22 27 19'135	- 073	+ 8 6 38'63	6'10	29	I	
7384	16°92482	45	22 26 39'611	- 208	+ 7 57 52'92	6'24	30	2	K
	16°92541	45	22 26 39'581	- 206	+ 7 57 52'40	6'24	30	2	
	16°92984	45	22 26 39'374	- 198	+ 7 57 49'99	6'22	30	I	
	16°93042	45	22 26 39'355	- 197	+ 7 57 49'49	6'22	30	I	
7392	18°01954	40	22 25 52'372	+ 004	+ 7 47 21'67	6'12	31	I	k
	18°02006	40	22 25 52'321	+ 005	+ 7 47 21'34	6'12	31	I	
	18°02671	40	22 25 52'056	+ 020	+ 7 47 17'62	6'12	31	2	
	18°02722	40	22 25 52'019	+ 022	+ 7 47 17'25	6'12	31	2	
7399	19°96543	40	22 24 27'564	- 104	+ 7 28 6'54	6'18	32	2	K
	19°96595	40	22 24 27'549	- 103	+ 7 28 6'02	6'18	32	2	
	19°96993	40	22 24 27'358	- 094	+ 7 28 3'47	6'18	32	I	
	19°97045	40	22 24 27'337	- 093	+ 7 28 3'29	6'18	32	I	
7406	21°03138	40	22 23 40'404	+ 053	+ 7 17 13'29	6'18	33	I	K
	21°03190	40	22 23 40'377	+ 054	+ 7 17 12'89	6'18	33	I	
	21°03894	40	22 23 40'073	+ 070	+ 7 17 8'49	6'19	33	2	
	21°03946	40	22 23 40'047	+ 071	+ 7 17 8'02	6'19	33	2	
7412	21°98479	40	22 22 58'145	- 046	+ 7 7 18'00	6'20	34	2	k
	21°98531	40	22 22 58'153	- 045	+ 7 7 17'60	6'20	34	2	
	21°98957	40	22 22 57'919	- 035	+ 7 7 15'08	6'20	34	I	
	21°99009	40	22 22 57'912	- 034	+ 7 7 14'78	6'20	34	I	
7421	23°04652	30	22 22 10'364	+ 101	+ 6 56 6'51	6'24	35	I	k
	23°04692	30	22 22 10'342	+ 102	+ 6 56 6'07	6'24	35	I	
	23°05131	30	22 22 10'133	+ 112	+ 6 56 3'83	6'25	35	2	
	23°05171	30	22 22 10'136	+ 113	+ 6 56 3'58	6'25	35	2	
7427	24°01816	30	22 21 26'630	+ 045	+ 6 45 39'99	6'24	36	2	k
	24°01857	30	22 21 26'631	+ 046	+ 6 45 39'67	6'24	36	2	
	24°02232	30	22 21 26'431	+ 055	+ 6 45 36'90	6'24	36	I	
	24°02272	30	22 21 26'431	+ 055	+ 6 45 36'61	6'24	36	I	
7433	24°94780	30	22 20 44'624	- 107	+ 6 35 30'63	6'28	37	I	k
	24°94820	30	22 20 44'595	- 106	+ 6 35 30'65	6'28	37	I	
	24°95293	30	22 20 44'392	- 095	+ 6 35 27'62	6'27	37	2	
	24°95336	30	22 20 44'380	- 095	+ 6 35 27'34	6'27	37	2	
7436	25°93173	30	22 19 59'805	- 134	+ 6 24 38'39	6'31	38	2	k
	25°93214	30	22 19 59'776	- 134	+ 6 24 37'91	6'31	38	2	
	25°93687	30	22 19 59'549	- 123	+ 6 24 34'67	6'31	38	I	
	25°93727	30	22 19 59'543	- 123	+ 6 24 34'38	6'30	38	I	
7440	26°89815	25	22 19 15'731	- 196	+ 6 13 48'80	6'38	39	I	k
	26°89850	25	22 19 15'712	- 195	+ 6 13 48'65	6'38	39	I	
	26°90242	25	22 19 15'538	- 188	+ 6 13 46'21	6'37	39	2	
	26°90277	25	22 19 15'527	- 187	+ 6 13 46'07	6'37	39	2	
7449	27°97432	25	22 18 26'772	- 025	+ 6 1 33'89	6'31	40	I	k
	27°97466	25	22 18 26'749	- 025	+ 6 1 33'74	6'31	40	I	
	27°97778	25	22 18 26'615	- 017	+ 6 1 31'99	6'31	40	2	
	27°97813	25	22 18 26'585	- 017	+ 6 1 31'74	6'31	40	2	
7454	28°98339	30	22 17 40'646	+ 003	+ 5 49 58'32	6'33	41	I	k
	28°98379	30	22 17 40'653	+ 004	+ 5 49 58'19	6'33	41	I	
	28°98766	30	22 17 40'454	+ 013	+ 5 49 55'47	6'33	41	2	
	28°98808	30	22 17 40'450	+ 014	+ 5 49 55'21	6'33	41	2	
7469	Sep 2°00562	25	22 14 37'503	+ 083	+ 5 2 14'87	6'43	42	2	K
	2°00597	25	22 14 37'497	+ 083	+ 5 2 14'75	6'43	42	2	
	2°01041	25	22 14 37'284	+ 093	+ 5 2 11'38	6'43	42	I	
	2°01076	25	22 14 37'260	+ 094	+ 5 2 10'97	6'43	42	I	
7480	3°97964	20	22 13 8'570	+ 039	+ 4 38 8'54	6'46	43	I	K
	3°97993	20	22 13 8'556	+ 039	+ 4 38 8'47	6'46	43	I	
	3°98328	20	22 13 8'405	+ 047	+ 4 38 5'80	6'46	43	2	
	3°98357	20	22 13 8'388	+ 048	+ 4 38 5'64	6'46	43	2	
7491	5°01030	25	22 12 22'681	+ 114	+ 4 21 34'77	6'51	44	I	K
	5°01064	25	22 12 22'662	+ 115	+ 4 21 34'44	6'51	44	I	
	5°01509	25	22 12 22'469	+ 124	+ 4 21 30'64	6'51	44	2	
	5°01543	25	22 12 22'455	+ 125	+ 4 21 30'25	6'51	44	2	
7499	5°90888	25	22 11 42'671	- 106	+ 4 14 14'81	6'52	45	2	k
	5°90922	25	22 11 42'646	- 105	+ 4 14 14'53	6'52	45	2	
	5°91430	25	22 11 42'426	- 094	+ 4 14 10'50	6'51	45	I	
	5°91465	25	22 11 42'406	- 093	+ 4 14 10'44	6'51	45	I	

TABLE I (continued)

(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(12)	Remarks
7507	Sep	15'97611 15'97652 15'98050 15'98090	30 ^s 30 30 30	22 ^h 4 ^m 41 ^s 163 22 4 41'156 22 4 41'014 22 4 40'971	+ '116 + '117 + '126 + '127	+ 2° 5' 36''02 + 2 5 35'72 + 2 5 32'75 + 2 5 32'37	6'73 46 46 46	1 1 2 2	k
7516		19'89850 19'89907 19'90519 19'90576	45 45 45 45	22 2 15'368 22 2 15'353 22 2 15'135 22 2 15'125	- '029 - '028 - '014 - '013	+ 1 14 55'64 + 1 14 55'20 + 1 14 50'94 + 1 14 50'71	6'80 47 47 47	2 2 1 1	K
7524		24'98468 24'98525 24'98003 24'98064	45 45 50 45	21 59 26'590 21 59 26'593 21 59 26'449 21 59 26'444	+ '192 + '193 + '200 + '201	+ 0 9 54'48 + 0 9 53'82 + 0 9 51'12 + 0 9 50'83	6'90 48 48 48	1 1 2 2	K
7530		25'97098 25'97190 25'97816 25'97891	75 75 60 60	21 58 56'843 21 58 56'836 21 58 56'643 21 58 56'613	+ '171 + '173 + '185 + '186	- 0 2 32'23 - 0 2 32'80 - 0 2 37'49 - 0 2 38'07	6'92 49 49 49	1 1 2 2	k
7535	Oct	1'91538 1'91612 1'92201 1'92282	60 60 60 60	21 56 19'675 21 56 19'656 21 56 19'531 21 56 19'493	+ '092 + '094 + '106 + '108	- 1 15 52'20 - 1 15 52'84 - 1 15 56'92 - 1 15 57'50	7'03 50 50 50	1 1 2 2	k
7536		2'96965 2'97007 2'97954 2'98001	30 30 30 30	21 55 55'867 21 55 55'834 21 55 55'673 21 55 55'653	+ '209 + '210 + '227 + '228	- 1 28 31'35 - 1 28 31'69 - 1 28 38'26 - 1 28 38'69	7'03 51 51 51	1 1 2 2	k
7542		4'92355 4'92413 4'92852 4'92915	45 45 46 45	21 55 15'381 21 55 15'369 21 55 15'274 21 55 15'279	+ '129 + '130 + '139 + '141	- 1 51 38'05 - 1 51 38'41 - 1 51 41'64 - 1 51 42'19	7'08 52 52 52	1 1 2 2	K
7549		9'91718 9'91776 9'92249 9'92307	45 45 45 45	21 53 52'712 21 53 52'703 21 53 52'638 21 53 52'636	+ '146 + '148 + '157 + '158	- 2 48 34'97 - 2 48 35'45 - 2 48 38'28 - 2 48 38'92	7'15 53 53 53	1 2 2 2	k
7555		19'90053 19'90093	30 30	21 52 41'795 21 52 41'809	+ '170 + '171	- 4 31 37'47 - 4 31 37'69	7'27 54	1 1	k
7566		21'90710 21'90768	45 45	21 52 42'965 21 52 42'982	+ '194 + '195	- 4 50 24'50 - 4 50 24'80	7'28 55	1 1	K
7567		25'77223 25'77280 25'77967 25'78024	45 45 45 45	21 52 59'806 21 52 59'808 21 52 59'854 21 52 59'851	- '078 - '077 - '061 - '060	- 5 24 38'16 - 5 24 38'38 - 5 24 42'01 - 5 24 42'39	7'39 56 56 56	1 1 2 2	K
(3)									
7143	Apr	10'15179 10'15670	420 420	18 6 47'758 18 6 47'842	- '094 - '083	- 8 30 13'38 - 8 30 11'44	7'61 57	1 1	I ; foggy
7147		11'16571 11'17061	420 420	18 7 2'433 18 7 2'537	- '057 - '046	- 8 25 30'90 - 8 25 30'09	7'62 58	1 1	I
7155		17'14321 17'14603	240 240	18 8 4'212 18 8 4'246	- '073 - '066	- 7 57 31'48 - 7 57 30'73	7'58 59	1 1	K
7161		18'14336 18'14550	180 180	18 8 10'279 18 8 10'288	- '066 - '062	- 7 52 49'16 - 7 52 48'70	7'58 60	1 1	K
7165		20'14067 20'14280	180 180	18 8 18'545 18 8 18'553	- '060 - '055	- 7 43 25'13 - 7 43 24'63	7'57 61	1 1	K
7169		23'12780 23'12994	180 180	18 8 21'476 18 8 21'476	- '071 - '068	- 7 29 22'84 - 7 29 22'16	7'55 62	1 1	K
7176		25'10750 25'10964	180 180	18 8 17'183 18 8 17'162	- '104 - '099	- 7 20 7'45 - 7 20 6'85	7'52 63	1 1	K
7188		29'10709 29'10888	150 150	18 7 52'974 18 7 52'977	- '080 - '076	- 7 1 36'20 - 7 1 35'81	7'51 64	1 1	K
7201	May	14'09606 14'09840	120 120	18 3 20'695 18 3 20'657	- '003 + '001	- 5 56 44'94 - 5 56 45'01	7'44 65	1 1	K
7216		29'02253 29'02401	120 127	17 54 26'432 17 54 26'377	- '065 - '061	- 5 5 56'33 - 5 5 56'35	7'36 66	1 1	K
7221		30'05957 30'06100	120 119	17 53 41'117 17 53 41'052	+ '027 + '030	- 5 3 8'56 - 5 3 8'44	7'37 67	1 1	k
7226		31'03058 31'03202	120 120	17 52 58'106 17 52 58'052	- '032 - '025	- 5 0 37'91 - 5 0 37'74	7'36 68	1 1	k
7233	Jun	1'04223 1'04367	120 120	17 52 12'432 17 52 12'354	+ '002 + '005	- 4 58 7'61 - 4 58 7'26	7'36 69	1 1	K
7241		12'01234 12'01343	90 90	17 43 16'758 17 43 16'686	+ '017 + '019	- 4 38 28'55 - 4 38 28'68	7'33 70	1 1	K
7252		18'00030	90	17 38 5'575	+ '035	- 4 34 4'72	7'32	71	k

TABLE I (continued)

(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(12)	Remarks
7252	Jun 18°00'140	90 ^s	17 38 ^h 5'507 ^s	+°037 ^s	— 4 34' 4'57"	7'32"	71	I	
7257	24°04'104	90	17 32 4'883	—°047	— 4 34 56'70"	7'32"	72	I	K
	24°04'214	90	17 32 4'832	—°045	— 4 34 56'61"	7'32"	72	I	
7264	28°00'850	90	17 29 29'301	+°127	— 4 37 22'79"	7'30"	73	I	k
	28°00'959	90	17 29 29'248	+°129	— 4 37 22'81"	7'30"	73	I	
7269	Jul 3°06'242	120	17 24 40'643	+°069	— 4 45 36'48"	7'33"	74	I	K
	3°06'386	120	17 24 40'564	+°072	— 4 45 36'84"	7'33"	74	I	
7271	7°08'073	90	17 20 40'115	+°139	— 4 53 40'65"	7'32"	75	I	K
	7°08'183	90	17 20 40'029	+°141	— 4 53 40'88"	7'32"	75	I	
7276	9°09'155	90	17 20 12'886	+°173	— 4 58 25'34"	7'30"	76	I	K
	9°09'265	90	17 20 12'836	+°175	— 4 58 25'38"	7'30"	76	I	
7281	12°03'764	90	17 18 13'411	+°078	— 5 6 13'66"	7'35"	77	I	k
	12°03'873	90	17 18 13'392	+°081	— 5 6 13'94"	7'35"	77	I	
7300	18°07'998	60	17 14 35'755	+°205	— 4 25 9'33"	7'24"	78	I	K; stars at the edges
	18°08'073	60	17 14 35'730	+°207	— 4 25 9'43"	7'24"	78	I	
7316	26°02'147	60	17 10 53'737	+°138	— 5 55 18'45"	7'40"	79	I	K
	26°02'222	60	17 10 53'705	+°139	— 5 55 18'57"	7'40"	79	I	
7328	Aug 3°01'819	60	17 8 30'636	+°179	— 6 30 30'75"	7'40"	80	I	K
	3°01'894	60	17 8 30'635	+°181	— 6 30 30'79"	7'40"	80	I	
7343	10°08'001	120	17 7 34'406	+°141	— 7 4 7'90"	7'48"	81	I	K
	10°08'146	120	17 7 34'382	+°145	— 7 4 8'15"	7'47"	81	I	
7355	12°07'524	90	17 7 30'103	+°143	— 7 14 9'45"	7'49"	82	I	k
	12°07'622	110	17 7 30'090	+°145	— 7 14 9'67"	7'48"	82	I	
7381	16°06'633	90	17 7 37'316	+°147	— 7 34 36'72"	7'51"	83	I	K; no good guiding star
	16°06'743	90	17 7 37'340	+°150	— 7 34 37'46"	7'51"	83	I	
7388	17°07'595	90	17 7 42'475	+°173	— 7 39 52'22"	7'49"	84	I	K
	17°07'705	90	17 7 42'501	+°175	— 7 39 52'84"	7'49"	84	I	
	17°08'496	90	17 7 42'535	+°191	— 7 39 55'21"	7'47"	84	2	
	17°08'605	90	17 7 42'527	+°193	— 7 39 55'57"	7'47"	84	2	
(4)									
7595	Dec 6°09'880	45	8 6 47'943	—°051	+ 20 9 33'43"	4'64"	85	2	K
	6°09'938	45	8 6 47'940	—°049	+ 20 9 33'41"	4'64"	85	2	
	6°10'417	45	8 6 47'824	—°038	+ 20 9 35'02"	4'64"	85	I	
	6°10'475	45	8 6 47'815	—°036	+ 20 9 35'15"	4'64"	85	I	
(6)									
7108	Jan 2°07'766	180	3 15 56'161	+°082	— 3 43 2'54"	7'24"	86	I	I
	2°07'979	180	3 15 56'170	+°087	— 3 43 1'21"	7'24"	86	I	
	2°08'845	180	3 15 56'296	+°106	— 3 42 54'22"	7'24"	86	2	
	2°09'064	180	3 15 56'306	+°111	— 3 42 52'41"	7'24"	86	2	clouds at the end
7109	3°03'719	180	3 16 9'126	—°003	— 3 30 28'08"	7'24"	87	I	I ; nebulous; moon!
	3°03'931	180	3 16 9'145	+°001	— 3 30 26'46"	7'24"	87	I	
7111	5°07'9534	180	3 16 40'778	—°086	— 3 4 34'21"	7'19"	88	I	I
	5°07'748	180	3 16 40'801	—°081	— 3 4 32'39"	7'19"	88	I	
	5°08'0584	180	3 16 40'932	—°063	— 3 4 25'71"	7'19"	88	2	
	5°08'0804	180	3 16 40'972	—°058	— 3 4 23'75"	7'19"	88	2	
7112	15°08'377	180	3 21 8'306	+°163	— 0 47 37'18"	6'98"	89	I	I
	15°08'591	180	3 21 8'406	+°167	— 0 47 35'61"	6'98"	89	I	
	15°09'479	180	3 21 8'695	+°185	— 0 47 27'93"	6'98"	89	2	
	15°09'699	180	3 21 8'762	+°189	— 0 47 26'24"	6'98"	89	2	
(7)									
7474	Sep 2°11'536	60	2 46 7'653	—°103	+ 23 50 59'99"	4'22"	90	2	K
	2°11'611	60	2 46 7'699	—°101	+ 23 51 0'24"	4'21"	90	2	
	2°12'189	60	2 46 8'057	—°086	+ 23 51 2'71"	4'19"	90	I	
	2°12'264	60	2 46 8'124	—°085	+ 23 51 2'90"	4'19"	90	I	
7485	4°12'889	60	2 48 12'128	—°060	+ 24 3 19'19"	4'14"	91	2	K; stars unfavorably at the edges
	4°12'964	60	2 48 12'193	—°058	+ 24 3 19'81"	4'14"	91	2	of the plate
	4°13'380	60	2 48 12'442	—°048	+ 24 3 21'18"	4'13"	91	I	
	4°13'454	60	2 48 12'470	—°046	+ 24 3 21'13"	4'13"	91	I	
7496	5°12'988	45	2 49 15'846	—°053	+ 24 9 25'66"	4'12"	92	2	K; id
	5°13'047	45	2 49 15'874	—°051	+ 24 9 25'82"	4'12"	92	2	
	5°13'473	45	2 49 16'086	—°041	+ 24 9 27'93"	4'11"	92	I	
	5°13'530	45	2 49 16'141	—°039	+ 24 9 27'96"	4'11"	92	I	
7513	16°11'964	30	2 58 34'442	—°020	+ 25 4 8'34"	3'98"	93	2	k
	16°12'006	31	2 58 34'450	—°019	+ 25 4 8'54"	3'98"	93	2	
	16°12'408	30	2 58 34'612	—°009	+ 25 4 9'51"	3'98"	93	I	
	16°12'449	30	2 58 34'632	—°008	+ 25 4 9'61"	3'98"	93	I	
7520	20°05'625	30	3 0 59'455	—°152	+ 25 18 27'63"	4'12"	94	I	K
	20°05'665	30	3 0 59'460	—°151	+ 25 18 27'64"	4'11"	94	I	

TABLE I (continued)

(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(12)	Remarks
7520	Sep 20°06110	30 ^s	3 0 59'635 ^{h m s}	— '141 ^s	+ 25 18' 28''54 ^{° ' ''}	4'09	94	2	
	20°06154	30	3 0 59'646	— '140	+ 25 18' 28'42	4'09	94	2	
7529	25°16309	30	3 3 19'193	+ '140	+ 25 32 25'77	4'06	95	2	k
	25°16350	30	3 3 19'208	+ '141	+ 25 32 25'64	4'06	95	2	
	25°16702	30	3 3 19'258	+ '149	+ 25 32 26'23	4'08	95	1	
	25°16742	30	3 3 19'253	+ '150	+ 25 32 26'27	4'08	95	1	
7533	26°02150	30	3 3 37'513	— '198	+ 25 34 13'95	4'21	96	2	k
	26°02191	30	3 3 37'521	— '197	+ 25 34 13'94	4'21	96	2	
	26°02532	30	3 3 37'584	— '190	+ 25 34 14'13	4'18	96	1	
	26°02572	30	3 3 37'586	— '189	+ 25 34 14'23	4'18	96	1	
7539	Oct 3°04262	30	3 5 3'483	— '107	+ 25 42 52'50	3'97	97	1	k
	3°04302	30	3 5 3'486	— '106	+ 25 42 52'61	3'97	97	1	
7546	5°03589	30	3 5 6'012	— '110	+ 25 43 12'79	3'98	98	2	k
	5°03629	30	3 5 6'015	— '109	+ 25 43 12'65	3'97	98	2	
	5°03981	30	3 5 5'994	— '101	+ 25 43 12'63	3'96	98	1	
	5°04022	30	3 5 5'997	— '100	+ 25 43 12'58	3'96	98	1	
7552	10°00043	30	3 4 34'662	— '161	+ 25 39 40'38	4'09	99	2	k
	10°00083	30	3 4 34'669	— '160	+ 25 39 40'36	4'09	99	2	
	10°00557	30	3 4 34'581	— '149	+ 25 39 40'04	4'06	99	1	
	10°00597	30	3 4 34'594	— '148	+ 25 39 40'10	4'06	99	1	
7559	20°02438	20	3 0 45'149	— '030	+ 25 12 21'16	3'96	100	2	K
	20°02467	20	3 0 45'149	— '029	+ 25 12 21'21	3'96	100	2	
	20°02963	20	3 0 44'945	— '016	+ 25 12 20'22	3'96	100	1	
	20°02992	20	3 0 44'931	— '016	+ 25 12 20'01	3'96	100	1	
7571	25°99825	30	2 56 59'879	— '047	+ 24 43 6'52	4'04	101	2	K
	25°99866	30	2 56 59'886	— '046	+ 24 43 6'60	4'04	101	2	
	26°00293	30	2 56 59'680	— '036	+ 24 43 5'10	4'03	101	1	
	26°00333	30	2 56 59'667	— '035	+ 24 43 4'89	4'03	101	1	
7579	28°02673	30	2 55 31'990	+ '040	+ 24 31 6'39	4'06	102	2	k
	28°02716	30	2 55 31'963	+ '041	+ 24 31 6'12	4'06	102	2	
	28°03158	30	2 55 31'745	+ '052	+ 24 31 4'79	4'07	102	1	
	28°03198	30	2 55 31'714	+ '053	+ 24 31 4'53	4'07	102	1	
7592	Dec 6°02635	30	2 30 29'664	+ '294	+ 19 9 57'86	5'40	103	1	K
	6°02675	30	2 30 29'661	+ '295	+ 19 9 57'63	5'40	103	1	
	6°03535	30	2 30 29'564	+ '307	+ 19 9 53'66	5'48	103	2	
	6°03575	30	2 30 29'553	+ '308	+ 19 9 53'51	5'48	103	2	
7599	10°81590	30	2 30 9'803	— '134	+ 18 37 55'15	4'94	104	2	K
	10°81639	35	2 30 9'814	— '133	+ 18 37 55'07	4'94	104	2	
	(12)								
7562	Oct 20°10021	180	6 43 35'345	— '206	+ 19 2 49'13	5'05	105	2	k
	20°10235	180	6 43 35'395	— '201	+ 19 2 48'69	5'04	105	2	
	20°10754	180	6 43 35'513	— '191	+ 19 2 47'32	5'01	105	1	
	20°10968	180	6 43 35'552	— '186	+ 19 2 46'81	5'00	105	1	
7575	26°08505	180	6 45 16'703	— '205	+ 18 39 41'37	5'09	106	2	k
	26°08719	180	6 45 16'748	— '201	+ 18 39 40'99	5'08	106	2	
	26°09255	180	6 45 16'792	— '190	+ 18 39 39'82	5'05	106	1	
	26°09469	180	6 45 16'838	— '185	+ 18 39 39'51	5'04	106	1	
7594	Dec 6°07713	180	6 29 4'160	+ '059	+ 16 19 5'99	5'14	107	1	k
	6°07927	180	6 29 4'035	+ '064	+ 16 19 5'71	5'14	107	1	
	6°08764	180	6 29 3'538	+ '083	+ 16 19 4'63	5'16	107	2	
	6°08982	180	6 29 3'404	+ '088	+ 16 19 4'28	5'16	107	2	
	(25)								
7541	Oct 3°09213	150	5 14 47'316	— '185	+ 12 14 3'35	5'77	108	1	k
	3°09392	150	5 14 47'319	— '181	+ 12 14 2'04	5'76	108	1	
7548	5°08120	180	5 15 17'198	— '196	+ 11 54 41'15	5'82	109	1	k
	5°08333	180	5 15 17'235	— '192	+ 11 54 40'04	5'82	109	1	
7561	20°08042	180	5 15 16'526	— '111	+ 9 17 53'52	5'99	110	1	k
	20°08255	180	5 15 16'502	— '106	+ 9 17 52'10	5'99	110	1	
	20°08896	180	5 15 16'408	— '092	+ 9 17 47'60	5'98	110	2	
	20°09110	180	5 15 16'375	— '087	+ 9 17 46'04	5'98	110	2	
7574	26°06543	180	5 13 22'550	— '105	+ 8 11 38'69	6'11	111	1	k
	26°06756	180	5 13 22'487	— '100	+ 8 11 37'16	6'11	111	1	
	26°07472	180	5 13 22'327	— '084	+ 8 11 32'49	6'10	111	2	
	26°07686	180	5 13 22'260	— '079	+ 8 11 31'10	6'09	111	2	
7581	28°05720	180	5 12 30'691	— '109	+ 7 49 21'82	6'15	112	2	K
	28°05934	180	5 12 30'612	— '105	+ 7 49 20'05	6'15	112	2	
	28°06540	180	5 12 30'433	— '091	+ 7 49 16'65	6'14	112	1	
	28°06753	180	5 12 30'379	— '086	+ 7 49 14'89	6'14	112	1	
7593	Dec 6°04960	210	4 38 52'979	+ '162	+ 1 30 41'68	6'79	113	2	K

TABLE I (continued)

(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(12)	Remarks	
7593	Dec	6 ^h 05 ^m 20 ^s 8 6 ^h 06 ^m 42 ^s 0 6 ^h 06 ^m 67 ^s 5	210 ^s 220 210	4 ^h 38 ^m 52 ^s 846 4 ^h 38 ^m 52 ^s 065 4 ^h 38 ^m 51 ^s 955	+ ^s 167 + ^s 191 + ^s 196	+ ^o 1 ['] 30 ["] 40 ["] 64 + ^o 1 ['] 30 ["] 36 ["] 03 + ^o 1 ['] 30 ["] 35 ["] 27	6 ["] 79 6 ["] 79 6 ["] 80	113 113 113	2 1 1	
	(57)									
7141	Mar	26 ^h 16 ^m 30 ^s 2 26 ^h 17 ^m 34 ^s 8	900 900	16 ^h 41 ^m 46 ^s 136 16 ^h 41 ^m 46 ^s 191	- ^s 029 - ^s 004	- ^o 11 ['] 34 ["] 4 ["] 09 - ^o 11 ['] 34 ["] 1 ["] 27	7 ["] 86 7 ["] 86	114 114	1 1	I
7146	Apr	11 ^h 14 ^m 38 ^s 9 11 ^h 15 ^m 22 ^s 6	720 720	16 ^h 41 ^m 52 ^s 722 16 ^h 41 ^m 52 ^s 650	+ ^s 028 + ^s 047	- ^o 10 ['] 11 ["] 11 ["] 04 - ^o 10 ['] 11 ["] 8 ["] 91	7 ["] 76 7 ["] 76	115 115	1 1	I
7154		17 ^h 12 ^m 41 ^s 0 17 ^h 12 ^m 83 ^s 2	360 360	16 ^h 40 ^m 36 ^s 552 16 ^h 40 ^m 36 ^s 514	+ ^s 022 + ^s 032	- ^o 9 ['] 37 ["] 29 ["] 37 - ^o 9 ['] 37 ["] 28 ["] 34	7 ["] 72 7 ["] 72	116 116	1 1	K
7167		23 ^h 08 ^m 76 ^s 3 23 ^h 09 ^m 19 ^s 1	360 361	16 ^h 38 ^m 39 ^s 240 16 ^h 38 ^m 39 ^s 132	- ^s 021 - ^s 011	- ^o 9 ['] 3 ["] 6 ["] 61 - ^o 9 ['] 3 ["] 4 ["] 30	7 ["] 68 7 ["] 68	117 117	1 1	K; clouds
7174		25 ^h 05 ^m 79 ^s 3 25 ^h 06 ^m 21 ^s 4	360 360	16 ^h 37 ^m 51 ^s 888 16 ^h 37 ^m 51 ^s 751	- ^s 075 - ^s 066	- ^o 8 ['] 51 ["] 39 ["] 85 - ^o 8 ['] 51 ["] 38 ["] 19	7 ["] 65 7 ["] 65	118 118	1 1	K
7185		29 ^h 03 ^m 59 ^s 9 29 ^h 03 ^m 95 ^s 1	300 300	16 ^h 36 ^m 3 ^s 947 16 ^h 36 ^m 3 ^s 844	- ^s 097 - ^s 089	- ^o 8 ['] 28 ["] 34 ["] 67 - ^o 8 ['] 28 ["] 33 ["] 63	7 ["] 61 7 ["] 62	119 119	1 1	K
7193	May	8 ^h 98 ^m 44 ^s 5 8 ^h 98 ^m 79 ^s 7	300 300	16 ^h 30 ^m 30 ^s 839 16 ^h 30 ^m 30 ^s 721	- ^s 141 - ^s 133	- ^o 7 ['] 32 ["] 6 ["] 25 - ^o 7 ['] 32 ["] 4 ["] 33	7 ["] 51 7 ["] 52	120 120	1 1	K
7195		9 ^h 98 ^m 84 ^s 0 9 ^h 99 ^m 19 ^s 2	300 300	16 ^h 29 ^m 52 ^s 960 16 ^h 29 ^m 52 ^s 822	- ^s 126 - ^s 118	- ^o 7 ['] 26 ["] 33 ["] 52 - ^o 7 ['] 26 ["] 33 ["] 05	7 ["] 52 7 ["] 52	121 121	1 1	K
7198		13 ^h 99 ^m 29 ^s 6 13 ^h 99 ^m 64 ^s 8	300 300	16 ^h 27 ^m 15 ^s 198 16 ^h 27 ^m 15 ^s 091	- ^s 088 - ^s 080	- ^o 7 ['] 5 ["] 1 ["] 79 - ^o 7 ['] 5 ["] 0 ["] 72	7 ["] 51 7 ["] 51	122 122	1 1	K; stars are unfavorably situated
7203		22 ^h 96 ^m 49 ^s 6 22 ^h 96 ^m 84 ^s 8	300 300	16 ^h 20 ^m 54 ^s 308 16 ^h 20 ^m 54 ^s 130	- ^s 085 - ^s 077	- ^o 6 ['] 20 ["] 29 ["] 00 - ^o 6 ['] 20 ["] 27 ["] 74	7 ["] 45 7 ["] 46	123 123	1 1	K
7207		24 ^h 96 ^m 78 ^s 1 24 ^h 97 ^m 13 ^s 3	300 300	16 ^h 19 ^m 26 ^s 193 16 ^h 19 ^m 26 ^s 060	- ^s 064 - ^s 056	- ^o 6 ['] 11 ["] 24 ["] 78 - ^o 6 ['] 11 ["] 24 ["] 02	7 ["] 45 7 ["] 45	124 124	1 1	K
7212		27 ^h 97 ^m 55 ^s 6 27 ^h 97 ^m 83 ^s 9	240 240	16 ^h 17 ^m 13 ^s 221 16 ^h 17 ^m 13 ^s 123	- ^s 025 - ^s 018	- ^o 5 ['] 58 ["] 31 ["] 22 - ^o 5 ['] 58 ["] 30 ["] 20	7 ["] 44 7 ["] 44	125 125	1 1	K
7218		29 ^h 97 ^m 84 ^s 2 29 ^h 98 ^m 13 ^s 0	240 241	16 ^h 15 ^m 44 ^s 764 16 ^h 15 ^m 44 ^s 672	- ^s 003 + ^s 003	- ^o 5 ['] 50 ["] 25 ["] 01 - ^o 5 ['] 50 ["] 24 ["] 55	7 ["] 43 7 ["] 43	126 126	1 1	k
7222		30 ^h 94 ^m 15 ^s 3 30 ^h 94 ^m 43 ^s 6	240 240	16 ^h 15 ^m 2 ^s 409 16 ^h 15 ^m 2 ^s 280	- ^s 080 - ^s 073	- ^o 5 ['] 46 ["] 40 ["] 99 - ^o 5 ['] 46 ["] 40 ["] 36	7 ["] 41 7 ["] 42	127 127	1 1	k
7230		31 ^h 97 ^m 06 ^s 0 31 ^h 97 ^m 27 ^s 4	180 180	16 ^h 13 ^m 37 ^s 555 16 ^h 13 ^m 37 ^s 547	- ^s 005 - ^s 001	- ^o 5 ['] 42 ["] 48 ["] 01 - ^o 5 ['] 42 ["] 47 ["] 20	7 ["] 42 7 ["] 42	128 128	1 1	K; unsteady, moon!
7238	Jun	11 ^h 94 ^m 24 ^s 5 11 ^h 94 ^m 45 ^s 8	180 180	16 ^h 6 ^m 35 ^s 100 16 ^h 6 ^m 35 ^s 035	+ ^s 010 + ^s 015	- ^o 5 ['] 8 ["] 54 ["] 03 - ^o 5 ['] 8 ["] 53 ["] 46	7 ["] 37 7 ["] 37	129 129	1 1	K
7245		12 ^h 93 ^m 94 ^s 8 12 ^h 94 ^m 16 ^s 2	180 180	16 ^h 5 ^m 55 ^s 806 16 ^h 5 ^m 55 ^s 715	+ ^s 010 + ^s 015	- ^o 5 ['] 6 ["] 31 ["] 47 - ^o 5 ['] 6 ["] 31 ["] 27	7 ["] 36 7 ["] 36	130 130	1 1	K; uncertain, very close by star
7249		17 ^h 93 ^m 00 ^s 6 17 ^h 93 ^m 22 ^s 0	180 180	16 ^h 2 ^m 48 ^s 606 16 ^h 2 ^m 48 ^s 586	+ ^s 025 + ^s 030	- ^o 4 ['] 56 ["] 34 ["] 60 - ^o 4 ['] 56 ["] 34 ["] 77	7 ["] 36 7 ["] 36	131 131	1 1	k; measured two times
7255		24 ^h 91 ^m 85 ^s 3 24 ^h 92 ^m 06 ^s 7	180 180	15 ^h 58 ^m 58 ^s 682 15 ^h 58 ^m 58 ^s 612	+ ^s 048 + ^s 053	- ^o 4 ['] 48 ["] 2 ["] 21 - ^o 4 ['] 48 ["] 2 ["] 44	7 ["] 34 7 ["] 34	132 132	1 1	K
7263		27 ^h 99 ^m 94 ^s 9 28 ^h 00 ^m 16 ^s 3	180 180	15 ^h 57 ^m 31 ^s 098 15 ^h 57 ^m 31 ^s 093	+ ^s 234 + ^s 237	- ^o 4 ['] 46 ["] 13 ["] 87 - ^o 4 ['] 46 ["] 13 ["] 46	7 ["] 24 7 ["] 23	133 133	1 1	K; faint
7270	Jul	7 ^h 96 ^m 25 ^s 6 7 ^h 96 ^m 57 ^s 3	240 300	15 ^h 53 ^m 53 ^s 542 15 ^h 53 ^m 53 ^s 496	+ ^s 221 + ^s 227	- ^o 4 ['] 48 ["] 10 ["] 90 - ^o 4 ['] 48 ["] 11 ["] 62	7 ["] 25 7 ["] 25	134 134	1 1	K; images of first exp. uncertain
7274		9 ^h 96 ^m 57 ^s 5 9 ^h 96 ^m 92 ^s 7	300 300	15 ^h 53 ^m 22 ^s 435 15 ^h 53 ^m 22 ^s 406	+ ^s 237 + ^s 237	- ^o 4 ['] 49 ["] 57 ["] 99 - ^o 4 ['] 49 ["] 58 ["] 62	7 ["] 24 7 ["] 23	135 135	1 1	K
7280		12 ^h 92 ^m 56 ^s 9 12 ^h 92 ^m 92 ^s 1	300 300	15 ^h 52 ^m 44 ^s 669 15 ^h 52 ^m 44 ^s 658	+ ^s 178 + ^s 185	- ^o 4 ['] 53 ["] 21 ["] 18 - ^o 4 ['] 53 ["] 21 ["] 47	7 ["] 29 7 ["] 29	136 136	1 1	K
7294		15 ^h 92 ^m 65 ^s 8 15 ^h 93 ^m 01 ^s 9	315 300	15 ^h 52 ^m 16 ^s 371 15 ^h 52 ^m 16 ^s 387	+ ^s 197 + ^s 204	- ^o 4 ['] 57 ["] 42 ["] 55 - ^o 4 ['] 57 ["] 42 ["] 88	7 ["] 28 7 ["] 28	137 137	1 1	k
7314		26 ^h 89 ^m 41 ^s 7 26 ^h 89 ^m 76 ^s 9	300 300	15 ^h 51 ^m 59 ^s 365 15 ^h 51 ^m 59 ^s 382	+ ^s 193 + ^s 199	- ^o 5 ['] 20 ["] 45 ["] 20 - ^o 5 ['] 20 ["] 46 ["] 06	7 ["] 32 7 ["] 31	138 138	1 1	K
	(185)									
7140	Mar	26 ^h 12 ^m 89 ^s 1 26 ^h 13 ^m 36 ^s 6	900 900	16 ^h 32 ^m 23 ^s 204 16 ^h 32 ^m 23 ^s 334	- ^s 091 - ^s 067	+ ^o 6 ['] 20 ["] 18 ["] 33 + ^o 6 ['] 20 ["] 23 ["] 28	6 ["] 30 6 ["] 30	139 139	1 1	I
7142	Apr	10 ^h 13 ^m 10 ^s 2 10 ^h 13 ^m 80 ^s 1	600 600	16 ^h 32 ^m 43 ^s 441 16 ^h 32 ^m 43 ^s 383	+ ^s 006 + ^s 023	+ ^o 8 ['] 42 ["] 46 ["] 25 + ^o 8 ['] 42 ["] 50 ["] 25	6 ["] 02 6 ["] 02	140 140	1 1	g
7145		11 ^h 11 ^m 89 ^s 6 11 ^h 12 ^m 45 ^s 6	480 481	16 ^h 32 ^m 33 ^s 842 16 ^h 32 ^m 33 ^s 789	- ^s 015 - ^s 002	+ ^o 8 ['] 52 ["] 12 ["] 93 + ^o 8 ['] 52 ["] 16 ["] 40	6 ["] 00 6 ["] 00	141 141	1 1	g
7148		12 ^h 10 ^m 30 ^s 8 12 ^h 10 ^m 59 ^s 1	240 240	16 ^h 32 ^m 23 ^s 056 16 ^h 32 ^m 23 ^s 002	- ^s 045 - ^s 038	+ ^o 9 ['] 1 ["] 27 ["] 49 + ^o 9 ['] 1 ["] 29 ["] 40	5 ["] 99 5 ["] 99	142 142	1 1	K
7151		13 ^h 04 ^m 87 ^s 7 13 ^h 05 ^m 57 ^s 0	540 540	16 ^h 32 ^m 11 ^s 328 16 ^h 32 ^m 11 ^s 209	- ^s 158 - ^s 143	+ ^o 9 ['] 10 ["] 26 ["] 14 + ^o 9 ['] 10 ["] 30 ["] 25	6 ["] 05 6 ["] 03	143 143	1 1	I
7153		17 ^h 10 ^m 83 ^s 5 17 ^h 11 ^m 11 ^s 8	240 240	16 ^h 31 ^m 7 ^s 006 16 ^h 31 ^m 6 ^s 945	+ ^s 001 + ^s 007	+ ^o 9 ['] 48 ["] 28 ["] 83 + ^o 9 ['] 48 ["] 30 ["] 14	5 ["] 89 5 ["] 89	144 144	1 1	K
7160		18 ^h 12 ^m 83 ^s 0	240	16 ^h 30 ^m 47 ^s 149	+ ^s 054	+ ^o 9 ['] 57 ["] 54 ["] 04	5 ["] 89	145	1	K

TABLE I (continued)

(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(12)	Remarks
7160	Apr 18°13'11.3	240 ^s	16 30 47°07.0 ^{h m s}	+ 060 ^s	+ 9° 57' 55".68	5'89	145	I	
7164	20°12'25.0	195	16 30 4'24.8	+ 070	+ 10 16 9'52	5'86	146	I	K
	20°13'18.1	195	16 30 4'19.6	+ 075	+ 10 16 10'80	5'86	146	I	
7173	25°04'44.2	180	16 27 57'39.8	- 091	+ 10 59 27'72	5'79	147	I	K
	25°04'05.6	180	16 27 57'30.5	- 086	+ 10 59 28'90	5'79	147	I	
7180	27°03'08.9	180	16 26 57'40.9	- 094	+ 11 16 14'88	5'76	148	I	K
	27°03'00.2	180	16 26 57'34.7	- 089	+ 11 16 15'76	5'76	148	I	
7184	29°02'46.2	180	16 25 53'03.6	- 107	+ 11 32 28'50	5'74	149	I	K
	29°02'07.5	180	16 25 52'96.2	- 103	+ 11 32 29'46	5'74	149	I	
7189	May 7°98'03.0	180	16 20 11'51.4	- 123	+ 12 37 47'20	5'63	150	I	K
	7°99'14.3	180	16 20 11'42.4	- 118	+ 12 37 48'07	5'63	150	I	
7192	8°96'24.6	150	16 19 30'08.1	- 173	+ 12 43 59'07	5'69	151	I	K
	8°96'42.5	150	16 19 29'99.9	- 170	+ 12 43 59'74	5'69	151	I	
7194	9°97'83.6	150	16 18 46'05.4	- 170	+ 12 50 14'28	5'62	152	I	K
	9°98'01.5	150	16 18 46'00.6	- 166	+ 12 50 14'62	5'62	152	I	
7197	13°97'82.4	150	16 15 45'36.4	- 105	+ 13 12 43'83	5'55	153	I	K; black plate, mean of two
	13°98'00.3	150	16 15 45'25.4	- 100	+ 13 12 44'08	5'54	153	I	measures
7202	22°95'54.4	150	16 8 31'48.8	- 089	+ 13 49 6'69	5'46	154	I	K
	22°95'72.2	150	16 8 31'39.2	- 085	+ 13 49 7'48	5'46	154	I	
7206	24°95'03.9	150	16 6 52'11.6	- 072	+ 13 54 21'87	5'44	155	I	K
	24°95'20.2	154	16 6 52'02.2	- 068	+ 13 54 22'31	5'43	155	I	
7211	27°96'39.6	150	16 4 22'75.7	- 032	+ 14 0 11'19	5'41	156	I	K
	27°96'57.5	150	16 4 22'66.9	- 028	+ 14 0 11'56	5'40	156	I	
7223	30°95'35.3	120	16 1 55'53.4	- 033	+ 14 3 31'85	5'40	157	I	k
	30°95'49.8	120	16 1 55'48.1	- 030	+ 14 3 31'74	5'40	157	I	
7229	31°94'09.4	120	16 1 6'97.9	- 034	+ 14 4 5'61	5'40	158	I	k
	31°95'13.8	120	16 1 6'96.1	- 030	+ 14 4 5'66	5'40	158	I	
7237	Jun 11°93'35.6	120	15 52 42'40.3	+ 019	+ 13 52 20'41	5'42	159	I	K
	11°93'50.0	120	15 52 42'34.5	+ 015	+ 13 52 20'44	5'42	159	I	
7244	12°93'04.8	120	15 52 0'42.6	+ 012	+ 13 49 41'22	5'42	160	I	K
	12°93'19.2	120	15 52 0'41.7	+ 016	+ 13 49 40'96	5'42	160	I	
7248	17°92'13.5	120	15 48 43'68.0	+ 028	+ 13 32 40'09	5'46	161	I	K
	17°92'27.9	120	15 48 43'65.4	+ 031	+ 13 32 39'59	5'46	161	I	
7256	24°92'02.7	120	15 44 49'82.7	+ 096	+ 12 58 48'94	5'57	162	I	K
	24°93'07.1	120	15 44 49'78.0	+ 099	+ 12 58 48'51	5'57	162	I	
7262	27°98'73.7	150	15 43 25'28.6	+ 234	+ 12 40 45'76	5'83	163, 164	I	K; measured with two partly
	27°98'91.6	150	15 43 25'26.1	+ 238	+ 12 40 44'63	5'84	163, 164	I	different sets of stars, mean
									has been taken
7268	Jul 3°94'85.7	300	15 41 13'94.0	+ 194	+ 12 0 31'99	5'81	165, 166	I	K; mean of two measures with
	3°95'20.9	300	15 41 13'91.8	+ 201	+ 12 0 30'25	5'82	165, 166	I	two partly different sets of
7275	9°97'80.4	300	15 39 47'28.0	+ 276	+ 11 13 57'13	6'09	167	I	stars
	9°98'15.6	300	15 39 47'25.1	+ 282	+ 11 13 55'58	6'11	167	I	
7279	12°91'32.2	300	15 39 22'41.5	+ 175	+ 10 49 26'11	5'90	168	I	k
	12°91'67.5	300	15 39 22'40.1	+ 182	+ 10 49 24'30	5'91	168	I	
7293	15°91'50.6	240	15 39 8'67.0	+ 195	+ 10 23 16'58	5'98	169	I	K
	15°91'78.9	240	15 39 8'64.0	+ 200	+ 10 23 15'07	5'98	169	I	
7308	22°94'99.5	240	15 39 23'31.1	+ 286	+ 9 18 19'77	6'28	170	I	K
	22°95'27.8	240	15 39 23'33.0	+ 290	+ 9 18 18'00	6'29	170	I	
7310	24°94'32.7	300	15 39 39'32.4	+ 284	+ 8 59 9'08	6'30	171	I	k; one star at the edge of the
	24°94'07.9	300	15 39 39'35.3	+ 289	+ 8 59 6'99	6'32	171	I	plate
7315	26°90'73.3	300	15 40 0'00.5	+ 234	+ 8 39 59'51	6'21	172	I	k
	26°91'08.5	300	15 40 0'04.8	+ 240	+ 8 39 57'29	6'22	172	I	
	(216)								
7235	Jun 1°06'89.5	241	20 43 22'11.3	- 195	- 1 5 55'45	7'00	173	I	K
	1°07'17.8	240	20 43 22'15.2	- 190	- 1 5 54'12	7'00	173	I	
7242	12°02'41.1	210	20 44 3'71.2	- 224	+ 0 10 4'01	6'90	174	I	K
	12°02'05.9	210	20 44 3'69.1	- 219	+ 0 10 5'12	6'90	174	I	
7254	18°04'35.8	210	20 43 15'97.0	- 153	+ 0 46 51'97	6'85	175	I	K
	18°04'06.6	210	20 43 15'95.9	- 148	+ 0 46 53'02	6'85	175	I	
7260	25°02'01.0	240	20 41 17'10.4	- 160	+ 1 23 40'85	6'80	176	I	K
	25°02'29.3	240	20 41 17'04.6	- 154	+ 1 23 41'57	6'80	176	I	
7284	Jul 13°05'57.2	240	20 31 18'12.8	+ 043	+ 2 20 57'70	6'69	177	I	K
	13°05'54.4	240	20 31 18'02.4	+ 049	+ 2 20 58'19	6'69	177	I	
7290	15°02'80.9	240	20 29 50'98.0	- 005	+ 2 23 19'42	6'69	178	I	k
	15°03'09.2	240	20 29 50'85.4	+ 001	+ 2 23 19'66	6'69	178	I	
7298	16°07'49.3	240	20 29 3'29.3	+ 107	+ 2 24 11'62	6'70	179	I	k
	16°07'77.6	240	20 29 3'16.5	+ 113	+ 2 24 11'57	6'70	179	I	
7301	18°98'83.5	180	20 26 46'39.1	- 065	+ 2 25 25'78	6'69	180	I	k
	18°99'04.9	180	20 26 46'27.6	- 061	+ 2 25 25'97	6'69	180	I	
7321	27°07'87.4	300	20 20 1'14.1	+ 190	+ 2 18 51'27	6'73	181	I	K; nebulous

TABLE I (continued)

(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(12)	Remarks
7321	Jul	27°08'22.6	301 ^s	20 20 0°944 ^{h m s}	+ 197 ^s	+ 2° 18' 50".64	6'73	181	I
7330	Aug	3°96'42.4	240	20 13 14'66.1	+ 000	+ 1° 58' 42".32	6'73	182	I k
		3°96'70.7	240	20 13 14'52.8	+ 007	+ 1° 58' 41".76	6'73	182	I
7339		9°03'71.5	240	20 8 45'79.8	+ 193	+ 1° 35' 55".97	6'79	183	I k
		9°04'00.4	249	20 8 45'66.8	+ 199	+ 1° 35' 55".21	6'79	183	I
7347		11°06'16.9	240	20 7 21'97.3	+ 249	+ 1° 29' 53".60	6'81	184	I k
		11°06'45.2	240	20 7 21'83.2	+ 253	+ 1° 29' 52".63	6'82	184	I
7351		11°95'74.4	180	20 6 39'68.6	+ 045	+ 1° 25' 37".69	6'78	185	I k
		11°95'58.8	180	20 6 39'57.0	+ 049	+ 1° 25' 36".81	6'78	185	I
7357		12°94'00.5	210	20 5 53'90.1	+ 013	+ 1° 20' 47".15	6'79	186	I k
		12°94'25.3	210	20 5 53'77.5	+ 018	+ 1° 20' 46".22	6'79	186	I
		12°94'49.8	212	20 5 53'46.8	+ 033	+ 1° 20' 44".55	6'79	186	2
		12°95'17.7	210	20 5 53'32.3	+ 039	+ 1° 20' 43".92	6'79	186	2
7364		13°90'14.2	180	20 5 9'89.2	- 068	+ 1° 15' 53".92	6'80	187	I k
		13°90'35.6	180	20 5 9'76.8	- 063	+ 1° 15' 53".34	6'80	187	I
		13°90'57.9	180	20 5 9'49.0	- 049	+ 1° 15' 51".63	6'80	187	2
		13°91'19.8	180	20 5 9'39.5	- 044	+ 1° 15' 50".75	6'80	187	2
7375		15°97'64.6	180	20 3 37'43.4	- 115	+ 1° 4' 50".01	6'82	188	2 k
		15°97'86.6	190	20 3 37'33.4	- 120	+ 1° 4' 49".44	6'82	188	2
7383		16°90'73.1	180	20 2 57'58.9	- 032	+ 0° 59' 41".83	6'82	189	I K
		16°90'94.4	180	20 2 57'51.1	- 028	+ 0° 59' 41".26	6'82	189	I
		16°91'52.3	180	20 2 57'24.1	- 014	+ 0° 59' 39".34	6'82	189	2
		16°91'73.5	180	20 2 57'17.2	- 010	+ 0° 59' 38".60	6'82	189	2
7389		17°90'04.8	180	20 2 15'70.3	- 041	+ 0° 54' 3".16	6'83	190	2 k
		17°90'26.2	180	20 2 15'62.1	- 036	+ 0° 54' 2".33	6'83	190	2
		17°90'79.8	180	20 2 15'37.9	- 024	+ 0° 54' 0".05	6'83	190	I
		17°91'01.2	180	20 2 15'27.9	- 019	+ 0° 53' 59".45	6'83	190	I
7398		19°94'80.6	150	20 0 53'07.6	+ 081	+ 0° 42' 2".56	6'85	191	I k
		19°94'98.4	150	20 0 53'00.8	+ 085	+ 0° 42' 1".84	6'85	191	I
		19°95'54.4	150	20 0 52'78.2	+ 098	+ 0° 41' 59".94	6'85	191	2
		19°95'73.2	165	20 0 52'69.2	+ 102	+ 0° 41' 59".34	6'85	191	2
7405		21°02'11.6	150	20 0 11'54.6	+ 235	+ 0° 35' 32".12	6'87	192	I k
		21°02'29.5	150	20 0 11'46.5	+ 238	+ 0° 35' 31".31	6'88	192	I
7411		21°90'10.7	155	19 59 38'79.5	- 010	+ 0° 30' 6".81	6'87	193	I k
		21°90'28.9	150	19 59 38'71.6	- 006	+ 0° 30' 6".06	6'87	193	I
		21°90'51.2	150	19 59 38'47.8	+ 008	+ 0° 30' 3".96	6'87	193	2
		21°91'09.2	152	19 59 38'42.7	+ 012	+ 0° 30' 3".34	6'87	193	2
7418		22°91'62.6	150	19 59 2'14.8	+ 031	+ 0° 23' 44".35	6'88	194	I K
		22°91'80.5	150	19 59 2'06.8	+ 035	+ 0° 23' 43".40	6'88	194	I
		22°92'35.3	150	19 59 1'88.7	+ 048	+ 0° 23' 41".29	6'88	194	2
		22°92'53.2	150	19 59 1'82.7	+ 052	+ 0° 23' 41".02	6'88	194	2
7426		23°99'98.2	150	19 58 24'28.8	+ 213	+ 0° 16' 50".60	6'90	195	I K
		24°00'16.0	150	19 58 24'22.5	+ 217	+ 0° 16' 50".08	6'90	195	I
		24°00'76.0	150	19 58 24'02.2	+ 227	+ 0° 16' 47".68	6'90	195	2
		24°00'93.9	150	19 58 23'97.6	+ 231	+ 0° 16' 47".19	6'90	195	2
7431		24°89'59.7	150	19 57 54'46.6	- 001	+ 0° 11' 3".44	6'90	196	I K
		24°89'77.6	150	19 57 54'41.2	+ 003	+ 0° 11' 2".68	6'90	196	I
		24°90'38.8	150	19 57 54'21.2	+ 017	+ 0° 11' 0".40	6'90	196	2
		24°90'56.7	150	19 57 54'15.5	+ 021	+ 0° 10' 59".87	6'90	196	2
7435		25°91'59.2	120	19 57 21'62.9	+ 052	+ 0° 4' 22".61	6'91	197	I K
		25°91'73.6	120	19 57 21'57.8	+ 055	+ 0° 4' 22".12	6'91	197	I
		25°92'24.4	120	19 57 21'42.7	+ 066	+ 0° 4' 20".01	6'91	197	2
		25°92'39.2	120	19 57 21'36.7	+ 070	+ 0° 4' 19".43	6'91	197	2
7438		26°84'30.7	90	19 56 53'21.5	- 105	- 0° 1' 45".52	6'92	198	I K; mean of two measures
		26°84'41.6	90	19 56 53'21.0	- 103	- 0° 1' 45".86	6'92	198	I
		26°85'00.5	90	19 56 52'98.2	- 090	- 0° 1' 48".70	6'92	198	2
		26°85'11.5	90	19 56 52'98.1	- 088	- 0° 1' 48".82	6'92	198	2
7448		27°95'94.6	300	19 56 20'42.0	+ 159	- 0° 9' 13".89	6'93	199	I k ; grating 1
		27°96'29.8	300	19 56 20'31.6	+ 166	- 0° 9' 15".36	6'93	199	I
7451		28°85'76.9	150	19 55 55'56.9	- 059	- 0° 15' 17".99	6'94	200	I K
		28°85'94.8	150	19 55 55'53.5	- 055	- 0° 15' 18".65	6'94	200	I
7468	Sep	1°98'92.6	120	19 54 16'45.1	+ 243	- 0° 43' 46".51	6'97	201	I K
		1°99'07.0	120	19 54 16'42.6	+ 246	- 0° 43' 47".52	6'97	201	I
		1°99'56.7	120	19 54 16'30.9	+ 254	- 0° 43' 49".56	6'96	201	2
		1°99'71.1	120	19 54 16'27.6	+ 256	- 0° 43' 50".32	6'96	201	2
7478		3°91'64.5	120	19 53 39'58.2	+ 113	- 0° 57' 18".00	7'00	202	I k
		3°91'78.9	120	19 53 39'56.9	+ 116	- 0° 57' 18".46	7'00	202	I
		3°92'26.2	120	19 53 39'49.4	+ 126	- 0° 57' 20".43	7'00	202	2
		3°92'41.0	125	19 53 39'43.5	+ 129	- 0° 57' 21".13	7'00	202	2
7486		4°82'78.4	90	19 53 24'36.9	- 079	- 1° 3' 44".01	7'01	203	I k
		4°82'89.4	90	19 53 24'33.9	- 077	- 1° 3' 44".41	7'01	203	I

TABLE I (continued)

(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(12)	Remarks	
7486	Sep	4 ^h 83338 ^s 4 ^h 83448 ^s	90 ^s 90 ^s	19 ^h 53 ^m 24 ^s 267 ^s 19 ^h 53 ^m 24 ^s 266 ^s	— ^s 067 — ^s 065	— ^o 1 ^o 3 ^o 46 ^o 19 ^o — ^o 1 ^o 3 ^o 46 ^o 54 ^o	7 ^o 02 7 ^o 02	203 203	2 2	
7498		5 ^h 89200 ^s 5 ^h 89344 ^s 5 ^h 89967 ^s 5 ^h 90112 ^s	120 ^s 120 ^s 120 ^s 120 ^s	19 ^h 53 ^m 8 ^s 076 ^s 19 ^h 53 ^m 8 ^s 065 ^s 19 ^h 53 ^m 7 ^s 979 ^s 19 ^h 53 ^m 7 ^s 954 ^s	+ ^s 072 + ^s 075 + ^s 089 + ^s 092	— ^o 1 ^o 11 ^o 14 ^o 86 ^o — ^o 1 ^o 11 ^o 15 ^o 54 ^o — ^o 1 ^o 11 ^o 18 ^o 10 ^o — ^o 1 ^o 11 ^o 18 ^o 76 ^o	7 ^o 02 7 ^o 02 7 ^o 02 7 ^o 02	204 204 204 204	1 1 2 2	k
7502		12 ^h 90345 ^s 12 ^h 90490 ^s 12 ^h 90902 ^s	120 ^s 121 ^s 180 ^s	19 ^h 52 ^m 8 ^s 891 ^s 19 ^h 52 ^m 8 ^s 886 ^s 19 ^h 52 ^m 8 ^s 885 ^s	+ ^s 140 + ^s 143 + ^s 151	— ^o 2 ^o 0 ^o 51 ^o 37 ^o — ^o 2 ^o 0 ^o 52 ^o 22 ^o — ^o 2 ^o 0 ^o 53 ^o 28 ^o	7 ^o 09 7 ^o 09 7 ^o 09	205 205 205	1 1 2	K; clouds during all exp.
7514		16 ^h 91608 ^s 16 ^h 91786 ^s	150 ^s 150 ^s	19 ^h 52 ^m 13 ^s 232 ^s 19 ^h 52 ^m 13 ^s 233 ^s	+ ^s 187 + ^s 191	— ^o 2 ^o 28 ^o 49 ^o 91 ^o — ^o 2 ^o 28 ^o 50 ^o 49 ^o	7 ^o 11 7 ^o 11	206 206	2 2	k
7515		19 ^h 88121 ^s 19 ^h 88300 ^s 19 ^h 88848 ^s 19 ^h 89027 ^s	150 ^s 150 ^s 150 ^s 150 ^s	19 ^h 52 ^m 34 ^s 626 ^s 19 ^h 52 ^m 34 ^s 652 ^s 19 ^h 52 ^m 34 ^s 693 ^s 19 ^h 52 ^m 34 ^s 697 ^s	+ ^s 133 + ^s 136 + ^s 148 + ^s 151	— ^o 2 ^o 49 ^o 3 ^o 29 ^o — ^o 2 ^o 49 ^o 4 ^o 06 ^o — ^o 2 ^o 49 ^o 6 ^o 68 ^o — ^o 2 ^o 49 ^o 7 ^o 17 ^o	7 ^o 16 7 ^o 15 7 ^o 15 7 ^o 15	207 207 207 207	1 1 2 2	k
7522		24 ^h 80014 ^s 24 ^h 80158 ^s	120 ^s 120 ^s	19 ^h 53 ^m 43 ^s 640 ^s 19 ^h 53 ^m 43 ^s 661 ^s	— ^s 020 — ^s 016	— ^o 3 ^o 21 ^o 27 ^o 29 ^o — ^o 3 ^o 21 ^o 27 ^o 90 ^o	7 ^o 22 7 ^o 22	208 208	1 1	K
(87)										
7335	Aug	4 ^h 07228 ^s 4 ^h 07650 ^s	360 ^s 360 ^s	0 ^h 57 ^m 6 ^s 432 ^s 0 ^h 57 ^m 6 ^s 504 ^s	— ^s 191 — ^s 183	— ^o 1 ^o 1 ^o 34 ^o 96 ^o — ^o 1 ^o 1 ^o 35 ^o 91 ^o	7 ^o 00 7 ^o 00	209 209	1 1	k
7342		9 ^h 08840 ^s 9 ^h 09192 ^s	300 ^s 300 ^s	0 ^h 58 ^m 51 ^s 802 ^s 0 ^h 58 ^m 51 ^s 868 ^s	— ^s 133 — ^s 126	— ^o 1 ^o 23 ^o 23 ^o 74 ^o — ^o 1 ^o 23 ^o 24 ^o 99 ^o	7 ^o 04 7 ^o 04	210 210	1 1	k
7349		11 ^h 09747 ^s 11 ^h 10030 ^s 11 ^h 10700 ^s 11 ^h 10982 ^s	240 ^s 240 ^s 240 ^s 240 ^s	0 ^h 59 ^m 23 ^s 157 ^s 0 ^h 59 ^m 23 ^s 187 ^s 0 ^h 59 ^m 23 ^s 288 ^s 0 ^h 59 ^m 23 ^s 332 ^s	— ^s 103 — ^s 096 — ^s 082 — ^s 075	— ^o 1 ^o 33 ^o 33 ^o 29 ^o — ^o 1 ^o 33 ^o 34 ^o 14 ^o — ^o 1 ^o 33 ^o 36 ^o 24 ^o — ^o 1 ^o 33 ^o 37 ^o 41 ^o	7 ^o 06 7 ^o 06 7 ^o 06 7 ^o 06	211 211 211 211	2 2 1 1	k
7361		13 ^h 08508 ^s 13 ^h 08791 ^s	240 ^s 240 ^s	0 ^h 59 ^m 47 ^s 788 ^s 0 ^h 59 ^m 47 ^s 794 ^s	— ^s 118 — ^s 112	— ^o 1 ^o 44 ^o 26 ^o 45 ^o — ^o 1 ^o 44 ^o 27 ^o 05 ^o	7 ^o 07 7 ^o 07	212 212	1 1	k
7369		14 ^h 07162 ^s 14 ^h 07375 ^s 14 ^h 08270 ^s	180 ^s 180 ^s 180 ^s	0 ^h 59 ^m 57 ^s 634 ^s 0 ^h 59 ^m 57 ^s 667 ^s 0 ^h 59 ^m 57 ^s 732 ^s	— ^s 141 — ^s 137 — ^s 118	— ^o 1 ^o 50 ^o 8 ^o 16 ^o — ^o 1 ^o 50 ^o 8 ^o 83 ^o — ^o 1 ^o 50 ^o 11 ^o 80 ^o	7 ^o 07 7 ^o 08 7 ^o 08	213 213 213	2 2 1	K
7380		14 ^h 08483 ^s 16 ^h 09847 ^s 16 ^h 10060 ^s 16 ^h 10678 ^s 16 ^h 10892 ^s	180 ^s 180 ^s 180 ^s 180 ^s 180 ^s	0 ^h 59 ^m 57 ^s 737 ^s 1 ^h 0 ^m 12 ^s 717 ^s 1 ^h 0 ^m 12 ^s 727 ^s 1 ^h 0 ^m 12 ^s 717 ^s 1 ^h 0 ^m 12 ^s 762 ^s	— ^s 113 — ^s 072 — ^s 067 — ^s 053 — ^s 048	— ^o 1 ^o 50 ^o 12 ^o 65 ^o — ^o 2 ^o 2 ^o 27 ^o 85 ^o — ^o 2 ^o 2 ^o 28 ^o 56 ^o — ^o 2 ^o 2 ^o 30 ^o 32 ^o — ^o 2 ^o 2 ^o 31 ^o 42 ^o	7 ^o 08 7 ^o 10 7 ^o 10 7 ^o 10 7 ^o 10	213 214 214 214 214	1 1 1 2 2	k
7395		18 ^h 10674 ^s 18 ^h 10888 ^s 18 ^h 11477 ^s 18 ^h 11690 ^s	180 ^s 180 ^s 180 ^s 180 ^s	1 ^h 0 ^m 20 ^s 917 ^s 1 ^h 0 ^m 20 ^s 909 ^s 1 ^h 0 ^m 20 ^s 875 ^s 1 ^h 0 ^m 20 ^s 919 ^s	— ^s 041 — ^s 036 — ^s 023 — ^s 018	— ^o 2 ^o 15 ^o 28 ^o 31 ^o — ^o 2 ^o 15 ^o 29 ^o 25 ^o — ^o 2 ^o 15 ^o 32 ^o 02 ^o — ^o 2 ^o 15 ^o 32 ^o 66 ^o	7 ^o 12 7 ^o 12 7 ^o 12 7 ^o 12	215 215 215 215	1 1 2 2	k
7402		20 ^h 04830 ^s 20 ^h 05044 ^s 20 ^h 05754 ^s 20 ^h 05968 ^s	180 ^s 180 ^s 180 ^s 180 ^s	1 ^h 0 ^m 22 ^s 483 ^s 1 ^h 0 ^m 22 ^s 475 ^s 1 ^h 0 ^m 22 ^s 452 ^s 1 ^h 0 ^m 22 ^s 452 ^s	— ^s 156 — ^s 152 — ^s 137 — ^s 133	— ^o 2 ^o 28 ^o 47 ^o 90 ^o — ^o 2 ^o 28 ^o 48 ^o 90 ^o — ^o 2 ^o 28 ^o 51 ^o 92 ^o — ^o 2 ^o 28 ^o 52 ^o 81 ^o	7 ^o 12 7 ^o 12 7 ^o 13 7 ^o 13	216 216 216 216	1 1 2 2	K
7408		21 ^h 08141 ^s 21 ^h 08389 ^s 21 ^h 09243 ^s 21 ^h 09457 ^s	210 ^s 210 ^s 180 ^s 180 ^s	1 ^h 0 ^m 20 ^s 634 ^s 1 ^h 0 ^m 20 ^s 636 ^s 1 ^h 0 ^m 20 ^s 637 ^s 1 ^h 0 ^m 20 ^s 611 ^s	— ^s 079 — ^s 074 — ^s 055 — ^s 050	— ^o 2 ^o 36 ^o 10 ^o 82 ^o — ^o 2 ^o 36 ^o 11 ^o 72 ^o — ^o 2 ^o 36 ^o 15 ^o 56 ^o — ^o 2 ^o 36 ^o 16 ^o 54 ^o	7 ^o 15 7 ^o 15 7 ^o 15 7 ^o 15	217 217 217 217	1 2 2 2	K
7416		22 ^h 11816 ^s 22 ^h 12029 ^s 22 ^h 12814 ^s 22 ^h 13034 ^s	180 ^s 180 ^s 180 ^s 180 ^s	1 ^h 0 ^m 16 ^s 966 ^s 1 ^h 0 ^m 16 ^s 978 ^s 1 ^h 0 ^m 16 ^s 959 ^s 1 ^h 0 ^m 16 ^s 919 ^s	+ ^s 010 + ^s 015 + ^s 032 + ^s 037	— ^o 2 ^o 43 ^o 47 ^o 29 ^o — ^o 2 ^o 43 ^o 48 ^o 18 ^o — ^o 2 ^o 43 ^o 51 ^o 56 ^o — ^o 2 ^o 43 ^o 52 ^o 68 ^o	7 ^o 17 7 ^o 17 7 ^o 17 7 ^o 17	218 218 218 218	1 1 2 2	K; guiding star faint
7423		23 ^h 09967 ^s 23 ^h 10181 ^s 23 ^h 11040 ^s 23 ^h 11255 ^s	180 ^s 180 ^s 180 ^s 180 ^s	1 ^h 0 ^m 11 ^s 918 ^s 1 ^h 0 ^m 11 ^s 885 ^s 1 ^h 0 ^m 11 ^s 837 ^s 1 ^h 0 ^m 11 ^s 851 ^s	— ^s 026 — ^s 021 — ^s 001 + ^s 003	— ^o 2 ^o 51 ^o 10 ^o 62 ^o — ^o 2 ^o 51 ^o 11 ^o 65 ^o — ^o 2 ^o 51 ^o 15 ^o 43 ^o — ^o 2 ^o 51 ^o 16 ^o 42 ^o	7 ^o 18 7 ^o 18 7 ^o 18 7 ^o 18	219 219 219 219	1 1 2 2	K
7430		24 ^h 10248 ^s 24 ^h 10462 ^s 24 ^h 11270 ^s 24 ^h 11487 ^s	180 ^s 180 ^s 180 ^s 180 ^s	1 ^h 0 ^m 4 ^s 985 ^s 1 ^h 0 ^m 4 ^s 995 ^s 1 ^h 0 ^m 4 ^s 957 ^s 1 ^h 0 ^m 4 ^s 926 ^s	— ^s 013 — ^s 008 + ^s 010 + ^s 015	— ^o 2 ^o 58 ^o 54 ^o 24 ^o — ^o 2 ^o 58 ^o 55 ^o 44 ^o — ^o 2 ^o 58 ^o 58 ^o 91 ^o — ^o 2 ^o 58 ^o 59 ^o 87 ^o	7 ^o 19 7 ^o 19 7 ^o 19 7 ^o 19	220 220 220 220	1 1 2 2	K
7443		27 ^h 08529 ^s 27 ^h 08881 ^s	300 ^s 300 ^s	0 ^h 59 ^m 34 ^s 578 ^s 0 ^h 59 ^m 34 ^s 594 ^s	— ^s 033 — ^s 025	— ^o 3 ^o 22 ^o 53 ^o 51 ^o — ^o 3 ^o 22 ^o 55 ^o 41 ^o	7 ^o 22 7 ^o 22	221 221	1 1	K
7457		29 ^h 07215 ^s 29 ^h 07394 ^s 29 ^h 08035 ^s 29 ^h 08214 ^s	150 ^s 150 ^s 150 ^s 150 ^s	0 ^h 59 ^m 6 ^s 105 ^s 0 ^h 59 ^m 6 ^s 088 ^s 0 ^h 59 ^m 5 ^s 945 ^s 0 ^h 59 ^m 5 ^s 916 ^s	— ^s 049 — ^s 045 — ^s 031 — ^s 027	— ^o 3 ^o 39 ^o 39 ^o 88 ^o — ^o 3 ^o 39 ^o 40 ^o 71 ^o — ^o 3 ^o 39 ^o 43 ^o 86 ^o — ^o 3 ^o 39 ^o 44 ^o 87 ^o	7 ^o 24 7 ^o 24 7 ^o 25 7 ^o 25	222 222 222 222	1 1 2 2	K
7471	Sep	2 ^h 04957 ^s 2 ^h 05101 ^s	120 ^s 120 ^s	0 ^h 57 ^m 49 ^s 523 ^s 0 ^h 57 ^m 49 ^s 487 ^s	— ^s 074 — ^s 070	— ^o 4 ^o 15 ^o 0 ^o 62 ^o — ^o 4 ^o 15 ^o 1 ^o 51 ^o	7 ^o 29 7 ^o 29	223 223	1 1	K
7483		4 ^h 10534 ^s 4 ^h 10678 ^s	120 ^s 120 ^s	0 ^h 56 ^m 59 ^s 841 ^s 0 ^h 56 ^m 59 ^s 835 ^s	+ ^s 066 + ^s 070	— ^o 4 ^o 34 ^o 6 ^o 09 ^o — ^o 4 ^o 34 ^o 6 ^o 94 ^o	7 ^o 32 7 ^o 32	224 224	1 1	K

TABLE 1 (continued)

(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(12)	Remarks	
7492	Sep	5°02735 5°02880 5°03370 5°03514	120 ^s 120 120 120	^h 56 ^m 35 ^s 565 0 56 35 537 0 56 35 378 0 56 35 372	— ^s 103 — 100 — 089 — 086	— 4 42 48 66 — 4 42 49 36 — 4 42 52 70 — 4 42 53 16	7 32 7 32 7 32 7 33	225 225 225 225	2 2 1 1	k
7509		16°02874 16°03019 16°03486 16°03630	120 120 120 120	0 50 10 464 0 50 10 363 0 50 10 142 0 50 10 089	— 023 — 019 — 009 — 005	— 6 31 55 57 — 6 31 56 77 — 6 31 59 64 — 6 31 0 64	7 49 7 49 7 49 7 49	226 226 226 226	2 2 1 1	K
7519		20°04667 20°04811	120 120	0 47 13 190 0 47 13 137	+ 048 + 051	— 7 12 32 71 — 7 12 33 45	7 54 7 54	227 227	1 1	K
7525		24°99792 24°99971 25°00588 25°00767	150 150 150 150	0 43 16 361 0 43 16 263 0 43 15 957 0 43 15 843	— 026 — 022 — 008 — 004	— 8 1 32 63 — 8 1 33 61 — 8 1 36 98 — 8 1 38 09	7 60 7 60 7 61 7 61	228 228 228 228	2 2 1 1	K
7531		25°98613 25°98792 25°99346 25°99525	150 150 150 150	0 42 27 270 0 42 27 177 0 42 26 875 0 42 26 781	— 045 — 041 — 029 — 025	— 8 11 4 55 — 8 11 5 81 — 8 11 8 38 — 8 11 9 82	7 61 7 61 7 62 7 62	229 229 229 229	2 2 1 1	k
7537	Oct	2°99194 2°99304 2°99898 3°00008	90 90 90 90	0 36 29 997 0 36 29 932 0 36 29 617 0 36 29 579	+ 021 + 024 + 037 + 040	— 9 15 1 66 — 9 15 2 14 — 9 15 5 22 — 9 15 5 89	7 70 7 70 7 69 7 69	230 230 230 230	2 2 1 1	K
7543		4°94759 4°94938 4°95556 4°95729	150 150 160 150	0 34 49 547 0 34 49 440 0 34 49 104 0 34 49 014	— 065 — 061 — 047 — 043	— 9 31 27 94 — 9 31 29 06 — 9 31 32 32 — 9 31 33 24	7 70 7 70 7 71 7 71	231 231 231 231	2 2 1 1	k
7550		9°93217 9°93406 9°94422 9°94601	152 150 150 150	0 30 37 268 0 30 37 177 0 30 36 628 0 30 36 573	— 063 — 059 — 035 — 031	— 10 9 54 02 — 10 9 54 64 — 10 9 59 21 — 10 9 59 72	7 75 7 75 7 76 7 76	232 232 232 232	2 2 1 1	k
7556		19°93966 19°94312	150 150	0 22 58 037 0 22 57 869	+ 029 + 037	— 11 9 5 71 — 11 9 6 69	7 83 7 83	233 233	1 1	k
7564		20°95765 20°95978	180 180	0 22 16 850 0 22 16 734	+ 078 + 083	— 11 13 37 16 — 11 13 37 71	7 81 7 81	234 234	1 1	k ; clouds; 2nd exp. uncertain and faint; one star close by
7568		25°88358 25°88537 25°89148 25°89327	150 150 150 150	0 19 15 556 0 19 15 503 0 19 15 274 0 19 15 213	— 056 — 052 — 038 — 034	— 11 31 29 33 — 11 31 29 08 — 11 31 30 26 — 11 31 31 07	7 85 7 85 7 85 7 85	235 235 235 235	2 2 1 1	K
7587	Nov	3°85301 3°85549	210 210	0 15 13 725 0 15 13 676	— 064 — 058	— 11 46 48 80 — 11 46 48 98	7 86 7 86	236 236	1 1	k
(409)										
7205	May	24°94375 24°94658	240 240	14 52 52 042 14 52 51 928	+ 018 + 025	— 19 43 36 31 — 19 43 35 15	8 33 8 33	237 237	1 1	K; guiding star too faint and hardly seen
7210		27°95236 27°95588	300 300	14 50 45 561 14 50 45 451	+ 062 + 070	— 19 15 55 58 — 19 15 54 43	8 29 8 28	238 238	1 1	K; id
7243	Jun	12°91905 12°92188	240 240	14 43 4 467 14 43 4 422	+ 098 + 104	— 17 5 21 54 — 17 5 20 11	8 15 8 14	239, 240 239, 240	1 1	k ; too low and troubled by trees; mean of measures with two partly different sets of stars
7247		17°90894	240	14 42 3 478	+ 107	— 16 32 26 75	8 11	241	1	k ; too low and troubled by trees
7266	Jul	3°92283 3°92635	300 300	14 43 30 724 14 43 30 870	+ 225 + 231	— 15 17 39 76 — 15 17 38 90	7 81 7 79	242, 243 242, 243	1 1	K; id, guiding star hardly seen; same remarks as above for 7243
7278		12°90116 12°90399	240 240	14 47 17 542 14 47 17 616	+ 225 + 230	— 14 55 48 11 — 14 55 46 98	7 80 7 78	244 244	1 1	k ; id too faint and very uncertain

TABLE 2

(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(12)	Remarks
7608	1948 (4) Jan	^s 40 40 30 30	^{h m s} 7 45 15.480 7 45 15.442 7 22 34.223 7 22 34.209	^s + .050 + .052 + .170 + .171	^{° ' "} + 22 38' 3".90 + 22 38 4.25 + 24 27 45.29 + 24 27 45.25	["] 4.32 4.32 4.27 4.27	 245 245 246 246	 I I I I	 K K

TABLE 2 (continued)

(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(12)	Remarks
7626	Feb	4 ^s 11 535	30 ^{h m s}	7 15 1 ^s 692	+ 375	+ 25 0 47 ^{o ' "} 45	5 ^{''} 49	247	I K
		4 ^s 11 576	30	7 15 1 ^s 672	+ 376	+ 25 0 47 ^{o ' "} 58	5 ^{''} 50	247	I
7631		10 ^s 15 404	45	7 10 26 ^s 413	+ 399	+ 25 21 2 ^{o ' "} 02	6 ^{''} 31	248	I k
		10 ^s 15 462	45	7 10 26 ^s 391	+ 399	+ 25 21 2 ^{o ' "} 06	6 ^{''} 32	248	I
7639		12 ^s 85 292	30	7 8 44 ^s 312	- 095	+ 25 28 54 ^{o ' "} 64	3 ^{''} 98	249	I k
		12 ^s 85 333	30	7 8 44 ^s 300	- 094	+ 25 28 54 ^{o ' "} 24	3 ^{''} 98	249	I
7650		19 ^s 09 407	45	7 5 40 ^s 477	+ 394	+ 25 44 14 ^{o ' "} 48	5 ^{''} 82	250	I k
		19 ^s 09 465	45	7 5 40 ^s 468	+ 394	+ 25 44 14 ^{o ' "} 52	5 ^{''} 83	250	I
7653		20 ^s 91 885	50	7 5 1 ^s 616	+ 129	+ 25 48 2 ^{o ' "} 96	4 ^{''} 00	251	I k
		20 ^s 91 949	50	7 5 1 ^s 601	+ 131	+ 25 48 2 ^{o ' "} 94	4 ^{''} 00	251	I
7662		24 ^s 91 104	60	7 4 10 ^s 476	+ 138	+ 25 54 25 ^{o ' "} 12	4 ^{''} 00	252	I I
		24 ^s 91 180	60	7 4 10 ^s 465	+ 140	+ 25 54 25 ^{o ' "} 18	4 ^{''} 01	252	I
7670		26 ^s 99 432	45	7 3 45 ^s 648	+ 317	+ 25 58 3 ^{o ' "} 38	4 ^{''} 77	253	I k
		26 ^s 99 489	45	7 3 45 ^s 646	+ 318	+ 25 58 3 ^{o ' "} 41	4 ^{''} 78	253	I
7674		28 ^s 00 007	45	7 3 33 ^s 488	+ 330	+ 25 59 56 ^{o ' "} 73	4 ^{''} 87	254	I k
		28 ^s 00 065	45	7 3 33 ^s 493	+ 331	+ 25 59 56 ^{o ' "} 81	4 ^{''} 88	254	I
7678	Mar	5 ^s 87 916	45	7 3 43 ^s 833	+ 128	+ 26 7 32 ^{o ' "} 93	3 ^{''} 95	255	I k
		5 ^s 87 974	45	7 3 43 ^s 840	+ 129	+ 26 7 33 ^{o ' "} 05	3 ^{''} 95	255	I
7679		5 ^s 88 458	45	7 3 43 ^s 876	+ 141	+ 26 7 33 ^{o ' "} 29	3 ^{''} 98	255	I k ; unsteady
		5 ^s 88 516	45	7 3 43 ^s 888	+ 142	+ 26 7 33 ^{o ' "} 36	3 ^{''} 98	255	I
7684		6 ^s 93 556	60	7 4 32 ^s 746	+ 257	+ 26 10 18 ^{o ' "} 94	4 ^{''} 37	256	I K
		6 ^s 93 631	60	7 4 32 ^s 755	+ 258	+ 26 10 18 ^{o ' "} 82	4 ^{''} 38	256	I
7687		10 ^s 87 096	60	7 5 1 ^s 994	+ 139	+ 26 9 43 ^{o ' "} 76	3 ^{''} 97	257	I k
		10 ^s 87 172	60	7 5 1 ^s 988	+ 141	+ 26 9 43 ^{o ' "} 49	3 ^{''} 97	257	I
7695		13 ^s 99 956	59	7 5 52 ^s 768	+ 376	+ 26 11 53 ^{o ' "} 82	5 ^{''} 37	258	I k
		14 ^s 00 022	45	7 5 52 ^s 794	+ 377	+ 26 11 53 ^{o ' "} 89	5 ^{''} 38	258	I
		14 ^s 00 082	50	7 5 52 ^s 790	+ 377	+ 26 11 53 ^{o ' "} 91	5 ^{''} 38	258	I
(6)									
7619	Jan	27 ^s 13 498	150	12 27 47 ^s 109	- 054	+ 6 50 5 ^{o ' "} 76	6 ^{''} 23	259	I K
		27 ^s 13 677	150	12 27 47 ^s 116	- 050	+ 6 50 6 ^{o ' "} 32	6 ^{''} 23	259	I
7628	Feb	4 ^s 15 194	150	12 27 39 ^s 101	+ 035	+ 7 46 25 ^{o ' "} 16	6 ^{''} 12	260	I K
		4 ^s 15 373	150	12 27 39 ^s 085	+ 039	+ 7 46 26 ^{o ' "} 16	6 ^{''} 12	260	I
7633		10 ^s 17 640	150	12 26 29 ^s 752	+ 128	+ 8 35 48 ^{o ' "} 60	6 ^{''} 08	261	I K
		10 ^s 17 819	150	12 26 29 ^s 722	+ 132	+ 8 35 49 ^{o ' "} 39	6 ^{''} 08	261	I
7644		13 ^s 10 311	360	12 25 36 ^s 512	- 017	+ 9 1 45 ^{o ' "} 84	5 ^{''} 98	262	I K; clouds; mean of two measures
		13 ^s 10 697	300	12 25 36 ^s 458	- 009	+ 9 1 47 ^{o ' "} 93	5 ^{''} 98	262	I
7655		20 ^s 94 615	150	12 22 14 ^s 140	- 283	+ 10 16 14 ^{o ' "} 57	6 ^{''} 19	263	I K
		20 ^s 94 794	150	12 22 14 ^s 077	- 281	+ 10 16 16 ^{o ' "} 02	6 ^{''} 19	263	I
7663		24 ^s 93 442	180	12 19 59 ^s 999	- 283	+ 10 56 8 ^{o ' "} 27	6 ^{''} 14	264	I K; moon close by
		24 ^s 93 655	180	12 19 59 ^s 943	- 280	+ 10 56 9 ^{o ' "} 27	6 ^{''} 13	264	I
7672		27 ^s 01 622	120	12 18 42 ^s 313	- 117	+ 11 17 16 ^{o ' "} 94	5 ^{''} 78	265	I K
		27 ^s 01 766	120	12 18 42 ^s 249	- 114	+ 11 17 17 ^{o ' "} 67	5 ^{''} 78	265	I
7676		28 ^s 02 059	150	12 18 3 ^s 132	- 100	+ 11 27 32 ^{o ' "} 11	5 ^{''} 74	266	I K
		28 ^s 02 237	150	12 18 3 ^s 055	- 096	+ 11 27 33 ^{o ' "} 43	5 ^{''} 74	266	I
7681	Mar	5 ^s 91 047	180	12 13 6 ^s 737	- 272	+ 12 37 59 ^{o ' "} 91	5 ^{''} 95	267	I K; bad seeing
		5 ^s 91 260	180	12 13 6 ^s 627	- 269	+ 12 38 0 ^{o ' "} 98	5 ^{''} 94	267	I
7686		6 ^s 98 779	90	12 9 52 ^s 948	- 113	+ 13 18 53 ^{o ' "} 75	5 ^{''} 54	268	I k
		6 ^s 98 888	90	12 9 52 ^s 913	- 111	+ 13 18 54 ^{o ' "} 53	5 ^{''} 54	268	I
7689		10 ^s 89 910	45	12 9 7 ^s 791	- 265	+ 13 27 58 ^{o ' "} 63	5 ^{''} 84	269	I K
		10 ^s 89 968	45	12 9 7 ^s 771	- 264	+ 13 27 59 ^{o ' "} 33	5 ^{''} 84	269	I
7691		12 ^s 02 997	45	12 8 11 ^s 412	+ 018	+ 13 39 3 ^{o ' "} 36	5 ^{''} 44	270	I K
		12 ^s 03 055	45	12 8 11 ^s 391	+ 020	+ 13 39 3 ^{o ' "} 91	5 ^{''} 44	270	I
7697		14 ^s 02 380	61	12 6 30 ^s 893	+ 019	+ 13 58 15 ^{o ' "} 88	5 ^{''} 41	271	I K
		14 ^s 02 454	60	12 6 30 ^s 857	+ 021	+ 13 58 16 ^{o ' "} 30	5 ^{''} 41	271	I
7701		15 ^s 15 412	45	12 5 33 ^s 098	+ 290	+ 14 8 57 ^{o ' "} 74	5 ^{''} 88	272	I K
		15 ^s 15 470	45	12 5 33 ^s 087	+ 291	+ 14 8 57 ^{o ' "} 95	5 ^{''} 88	272	I
7703		23 ^s 94 234	120	11 57 59 ^s 631	- 093	+ 15 25 49 ^{o ' "} 65	5 ^{''} 27	273	I I
		23 ^s 94 378	120	11 57 59 ^s 569	- 090	+ 15 25 50 ^{o ' "} 37	5 ^{''} 27	273	I
7707		24 ^s 98 641	120	11 57 6 ^s 123	+ 018	+ 15 34 5 ^{o ' "} 74	5 ^{''} 21	274	I I
		24 ^s 98 786	120	11 57 6 ^s 052	+ 021	+ 15 34 6 ^{o ' "} 28	5 ^{''} 21	274	I
7712		26 ^s 95 507	45	11 55 26 ^s 205	- 041	+ 15 49 6 ^{o ' "} 58	5 ^{''} 19	275	I k
		26 ^s 95 564	45	11 55 26 ^s 171	- 039	+ 15 49 6 ^{o ' "} 74	5 ^{''} 19	275	I
7717		27 ^s 90 521	150	11 54 38 ^s 536	- 147	+ 15 56 5 ^{o ' "} 10	5 ^{''} 28	276	I I
		27 ^s 90 700	150	11 54 38 ^s 422	- 143	+ 15 56 5 ^{o ' "} 80	5 ^{''} 28	276	I
7723	Apr	3 ^s 89 483	150	11 49 2 ^s 500	- 120	+ 16 41 29 ^{o ' "} 69	5 ^{''} 15	277	I I
		3 ^s 89 662	150	11 49 2 ^s 432	- 115	+ 16 41 30 ^{o ' "} 06	5 ^{''} 14	277	I
7725		6 ^s 01 725	180	11 47 27 ^s 096	+ 177	+ 16 53 7 ^{o ' "} 60	5 ^{''} 23	278	2 I
		6 ^s 01 938	180	11 47 27 ^s 008	+ 182	+ 16 53 8 ^{o ' "} 37	5 ^{''} 24	278	2
		6 ^s 02 539	180	11 47 26 ^s 734	+ 194	+ 16 53 10 ^{o ' "} 01	5 ^{''} 27	278	I
		6 ^s 02 752	180	11 47 26 ^s 634	+ 198	+ 16 53 10 ^{o ' "} 82	5 ^{''} 28	278	I

TABLE 2 (continued)

(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(12)	Remarks
		^s	^{h m s}	^s	^{° ' "}	["]			
7729	Apr	10°00861	240	11 44 39'178	+ 186	+ 17 12 8'60	5'22	279	I I
		10°01144	240	11 44 39'066	+ 192	+ 17 12 9'57	5'23	279	I I
7732		12°99735	240	11 42 43'992	+ 183	+ 17 23 56'86	5'18	280	I I
		13°00018	240	11 42 43'881	+ 189	+ 17 23 57'59	5'20	280	I I
7736		21°91126	240	11 38 3'635	+ 052	+ 17 46 44'57	4'95	281	I I
		21°91409	240	11 38 3'541	+ 059	+ 17 46 44'65	4'95	281	I I
7738		26°90244	240	11 36 11'400	+ 067	+ 17 51 44'58	4'95	282	I I
		26°90526	240	11 36 11'361	+ 073	+ 17 51 44'79	4'95	282	I I
7742	May	3°92580	240	11 34 30'703	+ 165	+ 17 50 5'94	5'09	283	I I
		3°92863	240	11 34 30'639	+ 171	+ 17 50 5'81	5'10	283	I I
7744		7°88163	300	11 34 3'806	+ 091	+ 17 45 1'75	4'99	284	I I
		7°88520	300	11 34 3'783	+ 100	+ 17 45 1'59	5'00	284	I I
7745		8°91283	300	11 34 0'282	+ 168	+ 17 43 14'08	5'11	285	I I
		8°91635	300	11 34 0'252	+ 175	+ 17 43 13'81	5'13	285	I I
7748		13°90542	300	11 34 3'647	+ 180	+ 17 32 2'70	5'16	286	I I
		13°90894	300	11 34 3'654	+ 188	+ 17 32 2'07	5'18	286	I I
7752		14°92728	300	11 34 8'419	+ 229	+ 17 29 15'10	5'30	287	I I
		14°93080	300	11 34 8'393	+ 236	+ 17 29 14'31	5'33	287	I I
7754		15°91729	300	11 34 14'330	+ 215	+ 17 26 23'49	5'26	288	I I
		15°92081	300	11 34 14'354	+ 222	+ 17 26 22'76	5'28	288	I I
7757		18°96251	300	11 34 40'405	+ 305	+ 17 16 41'49	5'66	289	I I
		18°96603	300	11 34 40'444	+ 310	+ 17 16 40'68	5'68	289	I I
7760		20°90454	300	11 35 3'125	+ 216	+ 17 9 48'67	5'30	290	I I
		20°90804	300	11 35 3'177	+ 222	+ 17 9 47'93	5'32	290	I I
(7)									
7606	Jan	6°01065	210	2 42 59'909	+ 359	+ 17 12 48'33	6'12	291	I K; clouds
		6°01313	210	2 43 0'030	+ 361	+ 17 12 48'24	6'14	291	I K
7610		14°94657	60	2 52 17'131	+ 311	+ 17 15 18'42	5'70	292	I K
		14°94732	60	2 52 17'169	+ 312	+ 17 15 18'53	5'70	292	I K
7612		25°75912	60	3 6 7'980	- 031	+ 17 33 39'00	4'97	293	I K
		25°75987	60	3 6 8'056	- 030	+ 17 33 39'10	4'97	293	I K
		25°76564	60	3 6 8'521	- 016	+ 17 33 39'79	4'96	293	I K
		25°76640	60	3 6 8'585	- 014	+ 17 33 40'13	4'96	293	I K
7621		28°75853	120	3 10 24'326	- 020	+ 17 40 57'85	4'95	294	I K; first exp. troubled by clouds
		28°75971	75	3 10 24'399	- 018	+ 17 40 58'03	4'95	294	I K
		28°76064	75	3 10 24'492	- 015	+ 17 40 58'25	4'95	294	I K
7622		31°76631	90	3 14 51'382	+ 010	+ 17 49 2'27	4'93	295	I K
		31°76741	90	3 14 51'468	+ 013	+ 17 49 2'53	4'93	295	I K
7636	Feb	12°81275	120	3 34 11'856	+ 163	+ 18 26 49'39	5'01	296	I K
		12°81420	120	3 34 11'993	+ 166	+ 18 26 49'57	5'02	296	I K
(12)									
7607	Jan	6°02750	250	5 56 13'240	+ 186	+ 15 19 55'53	5'43	297	I K; clouds
		6°03004	180	5 56 13'036	+ 191	+ 15 19 55'63	5'44	297	I K
7614		25°84574	180	5 40 40'517	- 079	+ 15 13 27'95	5'29	298	I K
		25°84788	180	5 40 40'484	- 074	+ 15 13 27'64	5'28	298	I K
7615		27°00408	150	5 40 4'401	+ 270	+ 15 13 51'23	5'69	299	I K
		27°00588	150	5 40 4'353	+ 273	+ 15 13 51'27	5'70	299	I K
7638	Feb	12°83596	180	5 35 39'700	+ 022	+ 15 27 23'97	5'23	300	I k
		12°83808	180	5 35 39'686	+ 027	+ 15 27 24'20	5'23	300	I K
7652		20°90483	240	5 36 21'154	+ 220	+ 15 37 54'90	5'48	301	I K
		20°90766	240	5 36 21'160	+ 225	+ 15 37 54'53	5'50	301	I K
7661		24°89154	250	5 37 19'108	+ 214	+ 15 43 40'96	5'45	302	I K
		24°89442	240	5 37 19'119	+ 219	+ 15 43 41'25	5'47	302	I K
7673		27°98838	210	5 38 20'104	+ 357	+ 15 48 19'82	6'21	303	I K
		27°99086	210	5 38 20'153	+ 359	+ 15 48 19'64	6'23	303	I K
(27)									
7609	Jan	6°09912	180	11 15 48'493	- 149	+ 6 36 42'61	6'30	304	I K; clouds
		6°10160	240	11 15 48'570	- 143	+ 6 36 42'49	6'30	304	I K
7618		27°08586	150	11 17 43'706	- 055	+ 6 54 34'15	6'22	305	I k
		27°08765	150	11 17 43'667	- 051	+ 6 54 34'62	6'22	305	I K; clouds
7627	Feb	4°12626	300	11 14 31'696	+ 091	+ 7 25 31'09	6'18	306	I K
		4°14190	150	11 14 31'138	+ 125	+ 7 25 35'74	6'20	306	I K
		4°14369	150	11 14 31'079	+ 129	+ 7 25 35'99	6'20	306	I K
7632		10°16590	150	11 10 48'268	+ 212	+ 7 56 14'87	6'24	307	I K
		10°16769	150	11 10 48'194	+ 216	+ 7 56 15'49	6'25	307	I K
7642		13°04164	150	11 8 41'170	- 036	+ 8 12 38'67	6'08	308	I k
		13°04343	150	11 8 41'079	- 032	+ 8 12 39'37	6'08	308	I K
7651		19°10622	120	11 3 37'381	+ 153	+ 8 49 53'26	6'08	309	I K

TABLE 2 (continued)

(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(12)	Remarks
7651	Feb	19 ¹⁰ 766	120 ^s 11 ^h 3 ^m 37 ^s 306	+ ^s 156	+ 8° 49' 53"82	6"08	309	I	
7654		20 ⁹ 3322	150 11 1 59'724	- 211	+ 9 1 31'56	6'14	310	I	K
		20 ⁹ 3501	150 11 1 59'619	- 207	+ 9 1 32'22	6'13	310	I	
7671		27 ⁰⁰ 572	120 10 56 14'007	- 010	+ 9 40 40'43	5'91	311	I	K
		27 ⁰⁰ 716	120 10 56 13'936	- 008	+ 9 40 40'88	5'91	311	I	
7675		28 ⁰¹ 037	180 10 55 15'402	+ 007	+ 9 47 7'76	5'90	312	I	K
		28 ⁰¹ 251	180 10 55 15'287	+ 012	+ 9 47 8'65	5'90	312	I	
7680	Mar	5 ⁸ 9570	120 10 48 35'511	- 193	+ 10 29 37'96	5'96	313	I	K
		5 ⁸ 9714	120 10 48 35'430	- 190	+ 10 29 38'38	5'96	313	I	
7685		6 ⁹ 4681	120 10 44 48'845	- 072	+ 10 52 33'00	5'79	314	I	k
		6 ⁹ 4825	120 10 44 48'783	- 069	+ 10 52 33'59	5'79	314	I	
7688		10 ⁸ 8118	90 10 43 57'831	- 188	+ 10 57 36'18	5'91	315	I	K
		10 ⁸ 8228	90 10 43 57'793	- 186	+ 10 57 36'28	5'90	315	I	
		10 ⁸ 8603	90 10 43 57'591	- 178	+ 10 57 37'26	5'89	315	I	
		10 ⁸ 8712	90 10 43 57'532	- 176	+ 10 57 37'73	5'89	315	I	
7690		12 ⁰¹ 927	90 10 42 56'895	+ 127	+ 11 3 31'34	5'81	316	I	K
		12 ⁰² 036	90 10 42 56'847	+ 130	+ 11 3 31'71	5'82	316	I	
7696		14 ⁰¹ 242	90 10 41 13'829	+ 127	+ 11 13 26'26	5'80	317	I	K
		14 ⁰¹ 352	90 10 41 13'765	+ 129	+ 11 13 26'49	5'80	317	I	
7702		23 ⁹ 3057	120 10 33 57'232	+ 015	+ 11 52 38'09	5'66	318	I	I
		23 ⁹ 3201	120 10 33 57'180	+ 018	+ 11 52 38'67	5'66	318	I	
7706		24 ⁹ 7620	60 10 33 19'767	+ 126	+ 11 55 42'30	5'72	319	I	k
		24 ⁹ 7695	60 10 33 19'759	+ 127	+ 11 55 42'67	5'72	319	I	
7711		26 ⁹ 4396	150 10 32 14'460	+ 067	+ 12 0 54'45	5'66	320	I	I
		26 ⁹ 4575	150 10 32 14'414	+ 072	+ 12 0 54'66	5'66	320	I	
7716		27 ⁸ 9223	150 10 31 45'423	- 045	+ 12 3 8'18	5'64	321	I	I
		27 ⁸ 9402	150 10 31 45'374	- 041	+ 12 3 8'30	5'64	321	I	
7722	Apr	3 ⁸ 6869	150 10 29 0'248	- 051	+ 12 14 12'57	5'62	322	I	I
		3 ⁸ 7048	150 10 29 0'226	- 047	+ 12 14 12'53	5'62	322	I	
		3 ⁸ 7966	150 10 29 0'032	- 026	+ 12 14 13'08	5'62	322	2	
		3 ⁸ 8145	151 10 29 0'007	- 021	+ 12 14 13'50	5'61	322	2	
7724		5 ⁹ 9359	180 10 28 27'377	+ 234	+ 12 15 41'98	5'87	323	I	I
		5 ⁹ 9572	180 10 28 27'325	+ 237	+ 12 15 42'11	5'88	323	I	
		6 ⁰⁰ 542	180 10 28 27'189	+ 254	+ 12 15 42'63	5'92	323	2	
		6 ⁰⁰ 755	180 10 28 27'162	+ 258	+ 12 15 42'55	5'94	323	2	
7728		9 ⁹ 9603	240 10 27 48'589	+ 258	+ 12 16 10'40	5'94	324	I	I
		9 ⁹ 9885	240 10 27 48'589	+ 262	+ 12 16 10'32	5'95	324	I	
7731		12 ⁹ 8125	240 10 27 38'957	+ 247	+ 12 14 34'41	5'90	325	I	I
		12 ⁹ 8407	240 10 27 38'948	+ 251	+ 12 14 34'20	5'92	325	I	
7735		21 ⁸ 9781	300 10 28 44'868	+ 128	+ 12 0 24'99	5'71	326	I	I
		21 ⁹ 0133	300 10 28 44'895	+ 136	+ 12 0 24'56	5'72	326	I	
7737		26 ⁸ 9025	300 10 30 19'553	+ 139	+ 11 46 49'85	5'75	327	I	I
		26 ⁸ 9377	300 10 30 19'604	+ 147	+ 11 46 49'32	5'76	327	I	
7741	May	3 ⁹ 1195	300 10 33 36'162	+ 220	+ 11 21 32'88	5'92	328	I	I
		3 ⁹ 1547	300 10 33 36'292	+ 223	+ 11 21 32'10	5'93	328	I	

TABLE 3

B.D.	α_{1950^0}	δ_{1950^0}	dependences				B.D.	α_{1950^0}	δ_{1950^0}	dependences			
1	$\begin{matrix} + & 3 & 372 \\ + & 2 & 423 \\ + & 3 & 377 \end{matrix}$	$\begin{matrix} \text{h} & \text{m} & \text{s} \\ 2 & 38 & 38^{\circ}03 \\ 2 & 40 & 58^{\circ}25 \\ 2 & 41 & 14^{\circ}71 \end{matrix}$	$\begin{matrix} \text{ }^{\circ} & \text{' } & \text{''} \\ 3 & 38 & 24^{\circ}4 \\ 3 & 3 & 8^{\circ}3 \\ 3 & 59 & 54^{\circ}6 \end{matrix}$	$\begin{matrix} \cdot 1270 & \cdot 1270 & \cdot 1265 & \cdot 1264 \\ \cdot 3903 & \cdot 3903 & \cdot 3906 & \cdot 3906 \\ \cdot 4828 & \cdot 4828 & \cdot 4830 & \cdot 4830 \end{matrix}$	5	$\begin{matrix} + & 2 & 423 \\ + & 3 & 377 \\ + & 2 & 430 \end{matrix}$	$\begin{matrix} \text{h} & \text{m} & \text{s} \\ 2 & 40 & 58^{\circ}25 \\ 2 & 41 & 14^{\circ}71 \\ 2 & 44 & 52^{\circ}64 \end{matrix}$	$\begin{matrix} \text{ }^{\circ} & \text{' } & \text{''} \\ 3 & 3 & 8^{\circ}3 \\ 3 & 59 & 54^{\circ}6 \\ 3 & 6 & 46^{\circ}9 \end{matrix}$	$\begin{matrix} \cdot 4054 & \cdot 4054 & \cdot 4056 & \cdot 4056 \\ \cdot 2904 & \cdot 2904 & \cdot 2901 & \cdot 2900 \\ \cdot 3041 & \cdot 3042 & \cdot 3043 & \cdot 3044 \end{matrix}$				
2	$\begin{matrix} + & 2 & 423 \\ + & 3 & 377 \\ + & 3 & 381 \end{matrix}$	$\begin{matrix} 2 & 40 & 58^{\circ}25 \\ 2 & 41 & 14^{\circ}71 \\ 2 & 43 & 57^{\circ}56 \end{matrix}$	$\begin{matrix} 3 & 3 & 8^{\circ}3 \\ 3 & 59 & 54^{\circ}6 \\ 3 & 51 & 33^{\circ}9 \end{matrix}$	$\begin{matrix} \cdot 4734 & \cdot 4734 & \cdot 4735 & \cdot 4736 \\ \cdot 4679 & \cdot 4679 & \cdot 4678 & \cdot 4675 \\ \cdot 0587 & \cdot 0587 & \cdot 0587 & \cdot 0590 \end{matrix}$	6	$\begin{matrix} + & 2 & 421 \\ + & 2 & 423 \\ + & 2 & 429 \end{matrix}$	$\begin{matrix} 2 & 40 & 39^{\circ}82 \\ 2 & 40 & 58^{\circ}25 \\ 2 & 44 & 27^{\circ}07 \end{matrix}$	$\begin{matrix} 2 & 41 & 23^{\circ}2 \\ 3 & 3 & 8^{\circ}3 \\ 2 & 44 & 21^{\circ}6 \end{matrix}$	$\begin{matrix} \cdot 2959 & \cdot 2960 & \cdot 2971 & \cdot 2972 \\ \cdot 5473 & \cdot 5472 & \cdot 5463 & \cdot 5464 \\ \cdot 1568 & \cdot 1568 & \cdot 1565 & \cdot 1564 \end{matrix}$				
3	$\begin{matrix} + & 2 & 423 \\ + & 3 & 377 \\ + & 3 & 381 \end{matrix}$	$\begin{matrix} 2 & 40 & 58^{\circ}25 \\ 2 & 41 & 14^{\circ}71 \\ 2 & 43 & 57^{\circ}56 \end{matrix}$	$\begin{matrix} 3 & 3 & 8^{\circ}3 \\ 3 & 59 & 54^{\circ}6 \\ 3 & 51 & 33^{\circ}9 \end{matrix}$	$\begin{matrix} \cdot 5440 & \cdot 5440 & \cdot 5441 & \cdot 5442 \\ \cdot 1366 & \cdot 1366 & \cdot 1362 & \cdot 1362 \\ \cdot 3194 & \cdot 3194 & \cdot 3197 & \cdot 3196 \end{matrix}$	7	$\begin{matrix} + & 2 & 416 \\ + & 2 & 423 \\ + & 2 & 425 \end{matrix}$	$\begin{matrix} 2 & 39 & 22^{\circ}42 \\ 2 & 40 & 58^{\circ}25 \\ 2 & 41 & 14^{\circ}20 \end{matrix}$	$\begin{matrix} 2 & 40 & 19^{\circ}0 \\ 3 & 3 & 8^{\circ}3 \\ 2 & 36 & 23^{\circ}2 \end{matrix}$	$\begin{matrix} \cdot 4219 & \cdot 4219 & & \\ \cdot 1436 & \cdot 1435 & & \\ \cdot 4346 & \cdot 4345 & & \end{matrix}$				
4	$\begin{matrix} + & 2 & 423 \\ + & 3 & 377 \\ + & 2 & 430 \end{matrix}$	$\begin{matrix} 2 & 40 & 58^{\circ}25 \\ 2 & 41 & 14^{\circ}71 \\ 2 & 44 & 52^{\circ}64 \end{matrix}$	$\begin{matrix} 3 & 3 & 8^{\circ}3 \\ 3 & 59 & 54^{\circ}6 \\ 3 & 6 & 46^{\circ}9 \end{matrix}$	$\begin{matrix} \cdot 3899 & \cdot 3898 & \cdot 3899 & \cdot 3900 \\ \cdot 3262 & \cdot 3262 & \cdot 3259 & \cdot 3259 \\ \cdot 2840 & \cdot 2840 & \cdot 2842 & \cdot 2842 \end{matrix}$	8	$\begin{matrix} + & 2 & 410 \\ + & 1 & 467 \\ + & 2 & 416 \end{matrix}$	$\begin{matrix} 2 & 37 & 32^{\circ}84 \\ 2 & 38 & 44^{\circ}22 \\ 2 & 39 & 22^{\circ}42 \end{matrix}$	$\begin{matrix} 2 & 42 & 24^{\circ}1 \\ 2 & 0 & 41^{\circ}2 \\ 2 & 40 & 19^{\circ}0 \end{matrix}$	$\begin{matrix} \cdot 3099 & \cdot 3098 & \cdot 3108 & \cdot 3108 \\ \cdot 3924 & \cdot 3924 & \cdot 3928 & \cdot 3927 \\ \cdot 2978 & \cdot 2977 & \cdot 2964 & \cdot 2965 \end{matrix}$				

TABLE 3 (continued)

B.D.	α_{1950^0}	δ_{1950^0}	dependences	B.D.	α_{1950^0}	δ_{1950^0}	dependences
9 + 1 462 + 2 412 + 1 470	^h 2 37 11 ^m 13 ^s 2 38 11 ^m 20 ^s 2 39 43 ^m 65 ^s	1 54 55 [°] 6 ['] 2 41 3 ['] 1 ["] 2 17 39 ['] 8 ["]	'3039 '3040 '3048 '3049 '5000 '4999 '5001 '5000 '1961 '1960 '1951 '1951	27 + 7 4883 + 8 4883 + 8 4888	^h 22 28 27 ^m 26 ^s 22 28 51 ^m 88 ^s 22 30 46 ^m 50 ^s	8 10 13 [°] 9 ['] 8 42 40 ['] 4 ["] 8 43 33 ['] 9 ["]	'2799 '2801 '2813 '2815 '3751 '3751 '3753 '3753 '3450 '3448 '3434 '3432
10 + 1 446 + 1 453 + 1 457	2 33 3 ['] 19 ["] 2 34 19 ['] 38 ["] 2 35 16 ['] 82 ["]	1 50 34 ['] 9 ["] 2 14 14 ['] 5 ["] 1 59 3 ['] 3 ["]	'3024 '3024 '0958 '0958 '6018 '6018	28 + 8 4871 + 7 4883 + 8 4883	22 25 5 ['] 16 ["] 22 28 27 ['] 26 ["] 22 28 51 ['] 88 ["]	8 35 11 [°] 0 ['] 8 10 13 ['] 9 ["] 8 42 40 ['] 4 ["]	'0080 '0082 '0073 '0072 '5684 '5686 '5696 '5697 '4396 '4395 '4377 '4376
11 + 0 430 + 1 446 + 1 455	2 32 18 ['] 40 ["] 2 33 3 ['] 19 ["] 2 34 34 ['] 02 ["]	1 1 35 ['] 5 ["] 1 50 34 ['] 9 ["] 2 11 57 ['] 9 ["]	'0778 '0778 '0772 '0771 '7302 '7304 '7332 '7334 '1920 '1918 '1896 '1895	29 + 7 4877 + 7 4880 + 7 4883	22 25 23 ['] 49 ["] 22 27 1 ['] 68 ["] 22 28 27 ['] 26 ["]	8 7 3 ['] 3 ["] 7 44 54 ['] 4 ["] 8 10 13 ['] 9 ["]	'3229 '3230 '3234 '3234 '0998 '0999 '1011 '1015 '5773 '5771 '5755 '5751
12 + 1 437 + 0 422 + 1 440	2 28 45 ['] 59 ["] 2 30 11 ['] 09 ["] 2 30 24 ['] 34 ["]	2 2 56 ['] 2 ["] 1 15 17 ['] 5 ["] 1 26 40 ['] 7 ["]	'2843 '2843 '2860 '2860 '3351 '3353 '3422 '3425 '3807 '3804 '3719 '3715	30 + 7 4877 + 6 5027 + 7 4883	22 25 23 ['] 49 ["] 22 26 44 ['] 99 ["] 22 28 27 ['] 26 ["]	8 7 3 ['] 3 ["] 7 21 37 ['] 0 ["] 8 10 13 ['] 9 ["]	'4611 '4611 '4618 '4618 '2241 '2242 '2250 '2252 '3149 '3146 '3131 '3130
13 + 0 391 - 0 360 + 0 396	2 19 14 ['] 68 ["] 2 22 33 ['] 95 ["] 2 22 48 ['] 48 ["]	0 44 32 ['] 0 ["] 0 24 41 ['] 4 ["] 1 21 44 ['] 0 ["]	'2595 '2596 '2610 '2611 '2118 '2118 '2112 '2112 '5287 '5286 '5278 '5277	31 + 7 4873 + 7 4877 + 7 4880	22 23 49 ['] 46 ["] 22 25 23 ['] 49 ["] 22 27 1 ['] 68 ["]	7 38 58 ['] 8 ["] 8 7 3 ['] 3 ["] 7 44 54 ['] 4 ["]	'2676 '2679 '2704 '2707 '1820 '1819 '1797 '1796 '5504 '5502 '5499 '5498
14 + 0 377 - 0 345 + 0 385	2 14 37 ['] 08 ["] 2 16 7 ['] 60 ["] 2 17 50 ['] 70 ["]	1 16 41 ['] 6 ["] 0 6 9 ['] 0 ["] 1 21 39 ['] 9 ["]	'1341 '1343 '1359 '1361 '4981 '4982 '4982 '4982 '3677 '3676 '3659 '3657	32 + 6 5016 + 7 4873 + 6 5027	22 22 32 ['] 64 ["] 22 23 49 ['] 46 ["] 22 26 44 ['] 99 ["]	7 10 14 ['] 2 ["] 7 38 58 ['] 8 ["] 7 21 37 ['] 0 ["]	'1957 '1960 '1977 '1978 '5016 '5013 '4999 '4998 '3027 '3028 '3024 '3023
15 + 0 373 + 0 379 - 0 345	2 13 49 ['] 29 ["] 2 15 7 ['] 70 ["] 2 16 7 ['] 60 ["]	0 36 3 ['] 9 ["] 1 2 36 ['] 5 ["] 0 6 9 ['] 0 ["]	'4641 '4644 '4673 '4674 '3270 '3268 '3250 '3249 '2089 '2088 '2077 '2077	33 + 6 5015 + 7 4873 + 6 5024	22 21 43 ['] 04 ["] 22 23 49 ['] 46 ["] 22 24 56 ['] 73 ["]	7 19 7 ['] 7 ["] 7 38 58 ['] 8 ["] 6 57 38 ['] 5 ["]	'2803 '2806 '2832 '2835 '3278 '3275 '3243 '3240 '3919 '3919 '3924 '3925
16 + 0 294 + 0 295 + 0 298	1 46 25 ['] 96 ["] 1 47 26 ['] 45 ["] 1 48 51 ['] 90 ["]	1 4 58 ['] 3 ["] 0 44 21 ['] 5 ["] 1 10 8 ['] 9 ["]	'4732 '4734 '3906 '3906 '1361 '1360	34 + 6 5015 + 6 5016 + 6 5019	22 21 43 ['] 04 ["] 22 22 32 ['] 64 ["] 22 24 6 ['] 13 ["]	7 19 7 ['] 7 ["] 7 10 14 ['] 2 ["] 6 56 29 ['] 1 ["]	'5046 '5011 '4532 '4495 '0448 '0396 '0363 '0420 '5402 '5385 '5105 '5085
17 + 0 292 + 1 320 + 0 294	1 45 32 ['] 91 ["] 1 45 38 ['] 72 ["] 1 46 25 ['] 96 ["]	1 15 37 ['] 9 ["] 1 38 36 ['] 6 ["] 1 4 58 ['] 3 ["]	'5807 '5813 '5835 '5839 '1419 '1418 '1424 '1423 '2774 '2769 '2740 '2738	35 + 6 5005 + 6 5016 + 6 5017	22 18 53 ['] 50 ["] 22 22 32 ['] 64 ["] 22 22 39 ['] 51 ["]	6 56 1 ['] 3 ["] 7 10 14 ['] 2 ["] 6 36 15 ['] 6 ["]	'1132 '1133 '1143 '1143 '5182 '5179 '5162 '5161 '3686 '3688 '3695 '3696
18 + 10 4811 + 10 4812 + 10 4819	22 42 41 ['] 124 ["] 22 42 58 ['] 32 ["] 22 43 56 ['] 922 ["]	11 25 23 ['] 49 ["] 10 56 2 ['] 6 ["] 11 28 27 ['] 67 ["]	'2897 '2896 '1708 '1707 '5395 '5397	36 + 6 5007 + 6 5016 + 6 5017	22 19 13 ['] 40 ["] 22 22 32 ['] 64 ["] 22 22 39 ['] 51 ["]	6 42 40 ['] 4 ["] 7 10 14 ['] 2 ["] 6 36 15 ['] 6 ["]	'3465 '3465 '3476 '3476 '2111 '2110 '2094 '2093 '4423 '4425 '4430 '4432
19 + 10 4811 + 10 4815 + 10 4819	22 42 41 ['] 124 ["] 22 43 24 ['] 368 ["] 22 43 56 ['] 922 ["]	11 25 23 ['] 49 ["] 10 56 12 ['] 72 ["] 11 28 27 ['] 67 ["]	'4289 '4293 '3670 '3672 '2041 '2036	37 + 6 5007 + 5 5011 + 6 5017	22 19 13 ['] 40 ["] 22 21 0 ['] 29 ["] 22 22 39 ['] 51 ["]	6 42 40 ['] 4 ["] 6 17 16 ['] 1 ["] 6 36 15 ['] 6 ["]	'4630 '4631 '4628 '4628 '1963 '1963 '1989 '1991 '3408 '3406 '3383 '3381
20 + 10 4810 + 10 4811 + 10 4815	22 42 29 ['] 770 ["] 22 42 41 ['] 124 ["] 22 43 24 ['] 368 ["]	10 49 31 ['] 43 ["] 11 25 23 ['] 49 ["] 10 56 12 ['] 72 ["]	'2117 '2124 '5562 '5563 '2321 '2313	38 + 5 5001 + 6 5007 + 5 5011	22 18 29 ['] 40 ["] 22 19 13 ['] 40 ["] 22 21 0 ['] 29 ["]	6 20 18 ['] 9 ["] 6 42 40 ['] 4 ["] 6 17 16 ['] 1 ["]	'2137 '2141 '2174 '2176 '2644 '2640 '2615 '2613 '5220 '5219 '5211 '5211
21 + 10 4800 + 10 4811 + 10 4815	22 39 38 ['] 640 ["] 22 42 41 ['] 124 ["] 22 43 24 ['] 368 ["]	10 49 24 ['] 49 ["] 11 25 23 ['] 49 ["] 10 56 12 ['] 72 ["]	'1312 '1312 '4538 '4537 '4150 '4151	39 + 5 5001 + 5 5000 + 5 5010	22 18 29 ['] 40 ["] 22 18 29 ['] 84 ["] 22 20 47 ['] 48 ["]	6 20 18 ['] 9 ["] 6 6 43 ['] 6 ["] 6 11 53 ['] 2 ["]	'3941 '3940 '3915 '3914 '2712 '2715 '2753 '2755 '3347 '3345 '3332 '3332
22 + 9 5080 + 9 5090 + 10 4800	22 36 49 ['] 19 ["] 22 39 18 ['] 76 ["] 22 39 38 ['] 640 ["]	10 17 11 ['] 3 ["] 10 15 25 ['] 8 ["] 10 49 24 ['] 49 ["]	'2155 '2156 '4255 '4253 '3590 '3591	40 + 5 4993 + 5 5000 + 5 5008	22 16 41 ['] 85 ["] 22 18 29 ['] 84 ["] 22 20 3 ['] 72 ["]	5 43 24 ['] 7 ["] 6 6 43 ['] 6 ["] 6 13 14 ['] 5 ["]	'3133 '3134 '3146 '3148 '3586 '3587 '3575 '3575 '3281 '3279 '3279 '3277
23 + 9 5068 + 9 5072 + 9 5079	22 33 9 ['] 47 ["] 22 35 12 ['] 70 ["] 22 36 31 ['] 30 ["]	10 4 5 ['] 7 ["] 9 31 59 ['] 9 ["] 9 40 58 ['] 7 ["]	'2616 '2617 '5334 '5335 '2050 '2048	41 + 5 4992 + 5 5000 + 5 4999	22 16 34 ['] 74 ["] 22 18 29 ['] 84 ["] 22 18 31 ['] 28 ["]	5 45 59 ['] 5 ["] 6 6 43 ['] 6 ["] 5 45 54 ['] 2 ["]	'4320 '4320 '4337 '4337 '1934 '1933 '1911 '1909 '3745 '3747 '3752 '3753
24 + 8 4890 + 8 4892 + 8 4905	22 31 27 ['] 31 ["] 22 31 37 ['] 45 ["] 22 35 29 ['] 09 ["]	8 56 31 ['] 6 ["] 9 10 11 ['] 3 ["] 9 6 1 ['] 3 ["]	'2797 '2802 '6223 '6219 '0980 '0979	42 + 4 4831 + 4 4837 + 5 4993	22 13 6 ['] 95 ["] 22 14 58 ['] 58 ["] 22 16 41 ['] 85 ["]	4 58 31 ['] 0 ["] 4 53 37 ['] 9 ["] 5 43 24 ['] 7 ["]	'3197 '3197 '3205 '3206 '5387 '5387 '5391 '5392 '1416 '1416 '1404 '1402
25 + 8 4882 + 8 4888 + 8 4889	22 28 48 ['] 76 ["] 22 30 46 ['] 50 ["] 22 31 21 ['] 56 ["]	8 51 14 ['] 1 ["] 8 43 33 ['] 9 ["] 8 59 42 ['] 5 ["]	'1526 '1531 '1544 '1550 '5344 '5359 '5389 '5402 '3130 '3110 '3067 '3048	43 + 3 4687 + 4 4829 + 4 4837	22 12 15 ['] 44 ["] 22 12 48 ['] 75 ["] 22 14 58 ['] 58 ["]	4 1 58 ['] 7 ["] 5 3 5 ['] 1 ["] 4 53 37 ['] 9 ["]	'3699 '3699 '3708 '3709 '3824 '3824 '3825 '3825 '2477 '2476 '2467 '2466
26 + 8 4885 + 8 4886 + 8 4888	22 29 1 ['] 87 ["] 22 29 24 ['] 79 ["] 22 30 46 ['] 50 ["]	8 58 0 ['] 7 ["] 8 29 21 ['] 1 ["] 8 43 33 ['] 9 ["]	'1838 '1838 '1838 '1837 '3088 '3091 '3122 '3127 '5074 '5070 '5040 '5036	44 + 4 4820 + 4 4831 + 3 4691	22 10 4 ['] 63 ["] 22 13 6 ['] 95 ["] 22 13 48 ['] 53 ["]	4 42 53 ['] 0 ["] 4 58 31 ['] 0 ["] 3 46 55 ['] 0 ["]	'3318 '3319 '3331 '3332 '2790 '2789 '2771 '2770 '3892 '3892 '3898 '3898

TABLE 3 (continued)

B.D.	α_{1950^0}	δ_{1950^0}	dependences	B.D.	α_{1950^0}	δ_{1950^0}	dependences
45	^h + 4 4822 + 3 4684 + 3 4689	^m 22 10 55'17 22 11 40'20 22 13 7'43	^s 4 31 18'0 4 13 24'7 4 1 21'4	63	^h - 7 4566 - 7 4573 - 6 4726	^m 18 6 22'441 18 10 24'000 18 10 32'208	^s 7 21 23'66 7 47 33'24 6 47 35'17
46	+ 1 4580 + 1 4584 + 1 4587	22 3 21'61 22 4 6'35 22 7 25'65	2 1 18'9 2 11 43'6 1 54 10'3	64	- 6 4717 - 7 4566 - 6 4726	18 5 56'044 18 6 22'441 18 10 32'208	6 40 16'06 7 21 23'66 6 47 35'17
47	+ 0 4808 + 1 4578 + 0 4819	21 57 56'95 22 2 14'02 22 3 28'49	1 4 51'4 1 31 52'9 1 8 11'3	65	- 6 4706 - 5 4567 - 5 4574	18 2 17'521 18 2 59'949 18 5 32'621	6 21 18'71 5 37 7'11 5 58 23'59
48	+ 0 4806 - 0 4297 - 0 4304	21 57 27'12 21 59 14'59 22 2 58'73	0 41 11'8 0 5 35'9 0 23 1'5	66	- 5 4537 - 5 4541 - 4 4379	17 53 39'844 17 55 13'610 17 55 15'484	5 18 33'86 5 40 55'07 4 36 36'34
49	- 0 4291 - 0 4297 - 0 4298	21 56 28'41 21 59 14'59 22 0 22'48	0 1 45'8 0 5 35'9 0 10 20'8	67	- 5 4534 - 5 4537 - 4 4379	17 52 54'952 17 53 39'845 17 55 15'484	5 2 59'62 5 18 33'86 4 36 36'34
50	- 1 4223 - 2 5673 - 1 4226	21 55 29'88 21 56 47'60 21 56 51'80	1 5 43'7 1 37 14'7 1 8 0'7	68	- 5 4531 - 4 4374 - 5 4537	17 52 11'630 17 53 35'918 17 53 39'845	5 3 42'36 4 34 12'62 5 18 33'86
51	- 1 4219 - 1 4223 - 2 5667	21 53 39'16 21 55 29'88 21 55 27'570	1 13 39'9 1 5 43'7 1 47 57'07	69	- 5 4517 - 5 4534 - 4 4374	17 49 54'533 17 52 54'952 17 53 35'918	5 18 30'17 5 2 59'63 4 34 12'61
52	- 2 5657 - 2 5667 - 3 5351	21 52 9'728 21 55 27'570 21 55 43'327	1 58 3'96 1 47 57'07 2 59 33'24	70	- 4 4341 - 4 4346 - 4 4351	17 42 15'978 17 42 57'222 17 44 47'764	4 55 36'52 4 22 40'55 5 2 0'01
53	- 2 5659 - 3 5338 - 3 5341	21 52 24'977 21 53 7'774 21 54 25'331	2 27 33'78 2 52 21'33 2 51 58'36	71	- 4 4321 - 4 4330 - 4 4331	17 35 57'933 17 39 30'405 17 39 45'745	4 36 52'52 4 15 25'43 4 44 46'32
54	- 4 5570 - 4 5575 - 5 5667	21 52 22'456 21 52 59'612 21 53 45'238	4 27 25'53 4 27 40'59 4 49 15'39	72	- 4 4296 - 4 4308 - 4 4307	17 30 19'468 17 33 14'749 17 33 13'229	4 34 3'00 4 9 12'66 4 55 16'81
55	- 5 5653 - 4 5578 - 5 5666	21 50 15'165 21 53 27'591 21 53 43'928	4 46 55'99 4 17 10'41 4 59 40'18	73	- 4 4290 - 4 4293 - 4 4296	17 27 41'184 17 28 48'184 17 30 19'468	4 19 55'32 4 51 48'69 4 34 3'00
56	- 6 5859 - 5 5666 - 6 5870	21 51 34'506 21 53 43'928 21 53 46'266	5 35 26'68 4 59 40'18 5 41 23'02	74	- 5 4444 - 4 4282 - 4 4289	17 23 27'084 17 24 54'550 17 27 20'516	5 22 35'93 4 16 56'81 4 45 52'27
57	- 8 4563 - 8 4566 - 8 4568	18 6 25'808 18 6 56'941 18 7 11'012	8 17 11'81 8 47 12'89 8 32 53'76	75	- 4 4269 - 5 4438 - 4 4282	17 16 46'862 17 21 35'974 17 24 54'550	4 41 30'21 5 16 49'83 4 16 56'81
58	- 8 4563 - 8 4566 - 8 4571	18 6 25'808 18 6 56'941 18 9 17'387	8 17 11'81 8 47 12'89 8 44 37'55	76	- 4 4266 - 4 4269 - 5 4438	17 18 31'435 17 19 46'862 17 21 35'974	4 46 14'50 4 41 30'21 5 16 49'83
59	- 8 4564 - 7 4568 - 7 4573	18 6 40'563 18 7 9'344 18 10 24'001	8 18 37'56 7 55 26'35 7 47 33'24	77	- 5 4429 - 4 4266 - 5 4436	17 17 38'292 17 18 31'435 17 20 42'551	5 27 36'93 4 46 14'50 5 23 32'62
60	- 7 4566 - 8 4568 - 7 4571	18 6 22'441 18 7 11'012 18 9 41'774	7 21 23'66 8 32 53'76 7 18 35'21	78	- 6 4575 - 4 4258 - 5 4422	17 14 1'877 17 14 41'931 17 15 1'958	6 11 27'98 5 4 39'51 5 9 21'50
61	- 7 4566 - 7 4568 - 7 4573	18 6 22'441 18 7 9'344 18 10 24'000	7 21 23'66 7 55 26'35 7 47 33'24	79	- 5 4412 - 4 4247 - 6 4571	17 8 16'580 17 10 39'292 17 12 44'015	5 28 6'19 5 5 43'03 6 27 11'65
62	- 7 4566 - 7 4568 - 7 4571	18 6 22'441 18 7 9'344 18 9 41'774	7 21 23'66 7 55 26'35 7 18 35'21	80	- 6 4559 - 6 4560 - 6 4571	17 6 54'175 17 7 0'951 17 12 44'015	6 25 23'31 6 43 11'23 6 27 11'65

TABLE 3 (continued)

B.D.	α_{1950^0}	δ_{1950^0}	dependences				B.D.	α_{1950^0}	δ_{1950^0}	dependences			
81	^h ^m ^s — 7 4402 — 6 4560 — 7 4408	[°] ['] [″] 17 6 30'893 17 7 0'951 17 11 1'216	[°] ['] [″] 7 43 43'26 6 43 11'23 7 30 21'93	'2161	'2163	'6174	'6174	'1664	'1663				
82	— 7 4400 — 6 4560 — 7 4408	17 5 57'236 17 7 0'951 17 11 1'216	7 34 13'17 6 43 11'23 7 30 21'93	'3970	'3971	'3763	'3762	'2267	'2266				
83	— 7 4402 — 6 4560 — 7 4408	17 6 30'893 17 7 0'951 17 11 1'216	7 43 43'26 6 43 11'23 7 30 21'93	'6664	'6665	'0989	'0987	'2347	'2348				
84	— 7 4400 — 8 4395 — 7 4408	17 5 57'236 17 9 1'857 17 11 1'216	7 34 13'17 8 23 13'80 7 30 21'93	'6005	'6003	'5999	'5999	'1356	'1358	'1366	'1367		
85	+20 2003 +21 1766 +19 1948	8 4 32'06 8 5 34'20 8 8 27'987	19 57 48'5 20 44 46'8 19 25 7'96	'0213	'0214	'0217	'0217	'5487	'5487	'5489	'5489		
86	— 4 561 — 4 565 — 3 533	3 14 39'951 3 15 45'767 3 16 22'483	4 19 20'46 4 24 31'54 3 20 38'61	'1958	'1958	'1950	'1951	'1707	'1703	'1693	'1688		
87	— 4 560 — 3 525 — 3 540	3 14 9'823 3 14 13'717 3 18 18'845	3 42 46'32 3 32 50'03 3 17 17'19	'5100	'5074	'0112	'0138	'4788	'4788				
88	— 3 533 — 3 534 — 3 538	3 16 22'483 3 16 29'854 3 17 35'753	3 20 38'61 3 1 22'16 3 11 54'58	'0711	'0694	'0629	'0610	'7552	'7567	'7619	'7634		
89	— 1 479 — 1 493 — 1 495	3 20 4'75 3 23 31'38 3 23 44'63	0 42 19'6 0 49 7'8 1 12 32'3	'7013	'7008	'6990	'6986	'1594	'1612	'1690	'1708		
90	+23 369 +24 393 +23 373	2 44 37'44 2 44 52'73 2 47 52'88	23 25 41'8 24 29 20'2 24 6 52'7	'4425	'4423	'4410	'4409	'1030	'1029	'1023	'1022		
91	+23 373 +23 375 +23 378	2 47 52'88 2 48 0'25 2 50 56'26	24 6 52'7 23 32 9'9 24 20 12'6	'7595	'7593	'7581	'7578	'1410	'1409	'1407	'1408		
92	+23 375 +24 405 +23 379	2 48 0'25 2 49 17'48 2 51 33'79	23 32 9'9 24 59 39'1 23 38 41'4	'3839	'3838	'3826	'3823	'4103	'4104	'4107	'4107		
93	+24 418 +24 421 +24 424	2 56 19'53 2 57 50'10 2 58 36'64	25 16 2'9 24 41 24'4 25 0 43'5	'0600	'0600	'0593	'0592	'1290	'1291	'1305	'1307		
94	+24 425 +25 479 +24 432	2 58 43'39 3 0 14'87 3 3 0'91	24 58 20'4 25 52 0'6 25 3 39'1	'2568	'2568	'2560	'2560	'3336	'3336	'3338	'3338		
95	+24 433 +25 487 +24 437	3 3 8'88 3 3 15'63 3 4 53'68	25 14 19'7 25 50 50'6 25 21 43'8	'4506	'4505	'4499	'4499	'4820	'4819	'4820	'4821		
96	+25 485 +24 433 +24 437	3 2 35'79 3 3 8'90 3 4 53'69	26 1 38'1 25 14 19'6 25 21 43'8	'3601	'3601	'3601	'3601	'2542	'2541	'2535	'2535		
97	+25 487 +25 496 +25 497	3 3 15'63 3 5 29'82 3 5 43'64	25 50 50'5 25 46 45'9 25 24 5'8	'2259	'2259	'5613	'5615	'2127	'2127				
98	+25 487 +25 496 +25 497	3 3 15'63 3 5 29'82 3 5 43'64	25 50 50'5 25 46 45'9 25 24 5'8	'1975	'1975	'1977	'1977	'6098	'6097	'6095	'6095		
99	+25 484 +24 437 +25 496	^h ^m ^s 3 2 33'84 3 4 53'68 3 5 29'82	25 40 32'5 25 21 43'8 25 46 45'9	'2687	'2687	'2692	'2691	'2173	'2173	'2174	'2174		
100	+24 423 +25 478 +24 432	2 58 32'33 2 59 33'83 3 3 0'91	24 55 47'9 25 54 50'8 25 3 39'1	'3358	'3358	'3367	'3367	'2204	'2204	'2202	'2202		
101	+24 412 +24 419 +24 421	2 52 54'82 2 57 15'20 2 57 50'10	24 31 7'3 25 2 53'4 24 41 24'3	'1521	'1521	'1529	'1529	'1504	'1504	'1496	'1495		
102	+23 386 +23 392 +24 416	2 53 17'16 2 55 41'42 2 55 45'20	24 17 56'2 23 56 5'4 24 44 43'5	'0831	'0833	'0848	'0850	'2343	'2343	'2340	'2339		
103	+18 319 +18 325 +19 374	2 28 55'376 2 30 48'466 2 31 34'631	19 4 13'94 18 39 37'82 19 45 57'64	'3059	'3059	'3063	'3063	'3504	'3505	'3513	'3512		
104	+18 321 +17 384 +18 325	2 29 42'239 2 29 45'690 2 30 48'466	18 41 33'17 18 15 28'57 18 39 37'82	'4803	'4801	'1092	'1092	'4106	'4107				
105	+19 1468 +18 1338 +19 1477	6 43 2'455 6 43 24'956 6 44 15'054	19 12 56'61 18 53 31'45 19 2 57'53	'3101	'3094	'3075	'3069	'3433	'3434	'3438	'3440		
106	+19 1479 +18 1354 +18 1360	6 44 37'150 6 45 33'704 6 46 46'024	18 59 50'59 18 22 47'39 18 48 21'96	'4018	'4014	'4008	'4004	'5197	'5198	'5202	'5203		
107	+16 1174 +16 1183 +15 1236	6 28 25'128 6 29 38'571 6 30 18'317	16 19 37'86 16 34 18'70 15 51 55'56	'5584	'5599	'5658	'5674	'2760	'2749	'2706	'2695		
108	+12 756 +12 760 +11 763	5 13 27'342 5 14 17'037 5 15 49'899	12 8 55'00 12 30 43'71 12 2 15'32	'1998	'2004	'3675	'3666	'4327	'4330				
109	+12 758 +11 761 +11 763	5 14 3'934 5 14 38'935 5 15 49'899	12 21 21'50 11 40 14'83 12 2 15'32	'0493	'0488	'3869	'3872	'5638	'5640				
110	+ 9 789 + 8 911 + 9 799	5 14 20'25 5 14 28'00 5 16 4'25	9 52 25'6 8 51 36'6 9 26 20'9	'1377	'1374	'1368	'1366	'3469	'3474	'3491	'3496		
111	+ 7 848 + 8 906 + 8 913	5 12 36'86 5 13 3'05 5 14 55'96	7 38 14'0 8 23 58'8 8 22 59'9	'2647	'2653	'2670	'2675	'5010	'5009	'5002	'5001		
112	+ 8 889 + 7 846 + 7 857	5 10 17'32 5 12 17'67 5 15 14'26	8 24 34'0 7 30 44'6 8 3 1'9	'2140	'2138	'2135	'2133	'5664	'5672	'5688	'5695		
113	+ 0 799 + 1 798 + 1 799	4 34 48'69 4 38 56'36 4 39 9'54	1 8 41'3 1 48 16'9 1 11 35'7	'0370	'0376	'0406	'0411	'5235	'5231	'5213	'5209		
114	— 10 4373 — 11 4200 — 11 4209	16 39 49'378 16 41 24'861 16 44 11'915	11 4 49'27 11 54 3'64 11 30 54'48	'2730	'2737	'4434	'4420	'2836	'2843				
115	— 9 4430 — 9 4444 — 10 4383	16 36 54'839 16 42 19'846 16 42 35'771	9 27 19'46 9 27 9'91 10 34 25'69	'1152	'1154	'2309	'2312	'6539	'6534				
116	— 9 4430 — 9 4444 — 10 4383	16 36 54'839 16 42 19'846 16 42 35'771	9 27 19'46 9 27 9'91 10 34 25'69	'3251	'3252	'5227	'5229	'1522	'1519				

TABLE 3 (continued)

B.D.		$\alpha_{1950^{\circ}0}$	$\delta_{1950^{\circ}0}$	dependences	B.D.		$\alpha_{1950^{\circ}0}$	$\delta_{1950^{\circ}0}$	dependences
117	— 8 4282 — 9 4430 — 8 4294	^h ^m ^s 16 36 45 11 16 36 54 839 16 40 17 737	[°] ['] [″] 8 31 13 35 9 27 19 46 8 51 28 15	0891 0900 3745 3740 5364 5361	135	— 4 3996 — 4 4000 — 5 4206	^h ^m ^s 15 51 32 086 15 52 44 202 15 55 38 163	[°] ['] [″] 5 4 31 66 4 19 52 00 5 20 11 15	2415 2418 4384 4382 3201 3200
118	— 8 4279 — 8 4283 — 8 4294	16 35 33 263 16 36 18 737 16 40 17 737	9 4 37 07 8 41 37 64 8 51 28 15	2485 2476 3145 3162 4370 4363	136	— 4 3996 — 4 3997 — 4 4009	15 51 32 086 15 51 49 350 15 54 44 931	5 4 31 66 4 33 30 83 5 10 52 01	2324 2326 4296 4294 3380 3380
119	— 8 4278 — 8 4283 — 7 4340	16 35 6 329 16 36 18 737 16 37 48 966	8 37 52 33 8 41 37 64 8 4 35 51	5673 5691 1419 1398 2908 2911	137	— 4 3996 — 4 3998 — 4 4007	15 51 32 086 15 52 21 569 15 54 30 313	5 4 31 66 4 45 8 55 5 15 16 75	4450 4450 4243 4241 1307 1308
120	— 7 4308 — 7 4322 — 7 4324	16 28 23 684 16 31 16 286 16 31 51 125	7 26 2 47 7 12 56 54 8 2 46 40	3236 3241 3771 3774 2993 2985	138	— 5 4186 — 4 3996 — 4 4007	15 51 18 049 15 51 32 086 15 54 30 313	5 35 6 19 5 4 31 66 5 15 16 75	4639 4643 3466 3460 1896 1897
121	— 7 4310 — 6 4450 — 7 4322	16 28 35 957 16 29 45 482 16 31 16 286	7 48 49 86 7 4 45 30 7 12 56 54	4196 4197 1772 1785 4032 4017	139	+ 6 3247 + 7 3207 + 6 3253	16 30 51 61 16 32 35 70 16 33 7 02	6 29 12 7 6 57 7 3 6 5 26 5	2878 2863 1552 1574 5570 5562
122	— 7 4292 — 7 4305 — 6 4446	16 25 1 582 16 27 48 175 16 29 6 672	7 29 6 85 7 24 25 64 6 55 1 74	5512 5522 2996 3014 7484 7492	140	+ 8 3224 + 9 3230 + 8 3238	16 31 46 91 16 32 59 32 16 33 14 83	8 44 47 4 8 55 32 1 8 32 33 7	3076 3077 2806 2834 4118 4089
123	— 6 4409 — 6 4416 — 5 4293	16 18 20 356 16 19 47 409 16 23 10 435	6 28 45 23 6 44 53 26 5 58 56 93	2595 2612 3001 2985 4404 4403	141	+ 9 3225 + 8 3235 + 9 3230	16 31 14 18 16 32 55 28 16 32 59 32	8 56 40 6 8 45 8 3 8 55 32 1	2291 2298 3447 3392 4262 4309
124	— 6 4409 — 5 4282 — 6 4418	16 18 20 356 16 19 37 321 16 20 9 187	6 28 45 23 5 33 41 56 6 29 20 95	3017 3028 3191 3193 3792 3779	142	+ 9 3221 + 9 3229 + 9 3238	16 30 43 32 16 32 20 25 16 34 26 40	9 15 53 6 8 52 1 3 9 14 1 2	2193 2203 5900 5887 1907 1911
125	— 5 4276 — 6 4409 — 5 4282	16 16 8 331 16 18 20 356 16 19 37 321	5 52 22 96 6 28 45 23 5 33 41 56	5983 5989 2477 2472 1540 1539	143	+ 9 3220 + 9 3222 + 9 3240	16 30 30 71 16 31 0 44 16 34 43 55	8 54 12 1 9 36 43 2 9 8 32 9	3750 3739 2573 2591 3677 3670
126	— 5 4267 — 5 4271 — 5 4276	16 14 21 465 16 15 10 993 16 16 8 331	6 6 1 81 5 23 55 41 5 52 22 96	1459 1465 1391 1396 7150 7139	144	+ 10 3022sp + 9 3222 + 10 3029	16 30 19 77 16 31 0 44 16 32 44 88	9 53 37 6 9 36 43 2 9 57 48 6	4152 4165 3602 3589 2246 2245
127	— 4 4083 — 5 4267 — 5 4276	16 14 4 358 16 14 21 465 16 16 8 331	5 13 37 75 6 6 1 81 5 52 22 96	2587 2592 3167 3173 4246 4235	145	+ 10 3022nf + 10 3023 + 10 3029	16 30 20 48 16 30 36 983 16 32 44 88	9 53 54 3 10 33 12 33 9 57 48 6	7408 7406 0842 0849 1751 1745
128	— 6 4388 — 4 4083 — 5 4276	16 12 7 271 16 14 4 358 16 16 8 331	6 21 47 40 5 13 37 75 5 52 22 96	2404 2404 4297 4301 3299 3294	146	+ 10 3017 + 10 3023 + 10 3029	16 28 14 870 16 30 36 983 16 32 44 88	9 50 19 54 10 33 12 33 9 57 48 6	3175 3174 5852 5858 0973 0968
129	— 4 4043 — 5 4246 — 4 4057	16 4 2 222 16 6 26 141 16 7 27 820	4 40 52 46 5 34 22 26 4 40 31 70	0986 0990 5263 5261 3752 3750	147	+ 10 3012 + 11 2998 + 11 3003	16 27 2 875 16 27 55 446 16 29 24 697	10 42 2 56 11 6 21 61 11 3 27 41	2627 2621 5605 5625 1768 1754
130	— 5 4236 — 5 4246 — 4 4061	16 3 22 538 16 6 26 142 16 8 0 592	5 19 36 24 5 34 22 25 4 36 17 83	3646 3651 2484 2480 3870 3869	148	+ 11 2994 + 11 2996 + 11 2998	16 26 37 776 16 26 52 639 16 27 55 446	10 56 5 84 11 39 34 54 11 6 21 61	4053 4056 4229 4234 1719 1710
131	— 4 4039 — 4 4042 — 4 4043	16 2 30 087 16 3 43 575 16 4 2 222	5 0 46 76 4 37 13 67 4 40 52 46	7937 7939 0266 0268 1797 1793	149	+ 11 2987 + 12 3015 + 11 2996	16 24 21 574 16 24 25 58 16 26 52 639	11 6 9 09 11 49 21 6 11 39 34 54	2547 2544 1434 1442 6019 6014
132	— 4 4017 — 4 4029 — 4 4032	15 57 3 872 16 0 33 933 16 0 57 299	4 56 3 24 4 31 55 22 5 8 31 40	4681 4685 4005 4002 1314 1313	150	+ 13 3124 + 12 3003 + 13 3134	16 19 22 766 16 19 46 253 16 21 40 180	12 59 57 89 12 19 55 62 12 58 49 72	1918 1927 5466 5463 2616 2610
133	— 4 4014 — 4 4020 — 4 4026	15 55 59 131 15 57 37 776 16 0 11 053	4 21 16 13 4 56 28 54 4 40 47 30	2413 2414 6469 6467 1118 1119	151	+ 13 3121 + 13 3124 + 12 3005	16 17 9 252 16 19 22 766 16 20 18 446	12 46 41 00 12 59 57 89 12 30 59 94	1474 1478 3682 3684 4844 4838
134	— 4 3998 — 4 4009 — 4 4011	15 52 21 569 15 54 44 931 15 55 17 627	4 45 8 55 5 10 52 01 4 19 0 98	4117 4119 4123 3550 3551 3550 2333 2330 2327	152	+ 13 3119 + 13 3124 + 12 3002	16 16 48 554 16 19 22 766 16 19 42 589	12 51 0 10 12 59 57 89 12 30 46 32	2703 2706 4791 4791 2505 2503

TABLE 3 (continued)

B.D.	α_{1950^0}	δ_{1950^0}	dependences	B.D.	α_{1950^0}	δ_{1950^0}	dependences		
153	$+13^{\circ} 31'08''$ $+13^{\circ} 31'10''$ $+13^{\circ} 31'20''$	$16^{\text{h}} 15^{\text{m}} 22^{\text{s}}.585$ $16^{\text{h}} 15^{\text{m}} 45^{\text{s}}.102$ $16^{\text{h}} 17^{\text{m}} 5^{\text{s}}.173$	$13^{\circ} 22' 51''.90$ $13^{\circ} 10' 23''.72$ $13^{\circ} 29' 5''.25$	$'1283 \ '1299$ $'8324 \ '8316$ $'0393 \ '0385$	171	$+ 8^{\circ} 30'60''$ $+ 9^{\circ} 30'88''$ $+ 9^{\circ} 30'93''$	$15^{\text{h}} 37^{\text{m}} 26^{\text{s}}.29$ $15^{\text{h}} 40^{\text{m}} 15^{\text{s}}.71$ $15^{\text{h}} 41^{\text{m}} 10^{\text{s}}.23$	$8^{\circ} 41' 19''.1$ $9^{\circ} 10' 19''.7$ $8^{\circ} 46' 39''.8$	$'2630 \ '2632$ $'5867 \ '5853$ $'1503 \ '1515$
154	$+14^{\circ} 30'00''$ $+14^{\circ} 30'10''$ $+13^{\circ} 30'90''$	$16^{\text{h}} 6^{\text{m}} 17^{\text{s}}.000$ $16^{\text{h}} 9^{\text{m}} 28^{\text{s}}.617$ $16^{\text{h}} 10^{\text{m}} 50^{\text{s}}.154$	$14^{\circ} 2' 19''.30$ $14^{\circ} 24' 9''.13$ $13^{\circ} 21' 56''.42$	$'4688 \ '4692$ $'1319 \ '1319$ $'3993 \ '3990$	172	$+ 8^{\circ} 30'60''$ $+ 8^{\circ} 30'71''$ $+ 9^{\circ} 30'93''$	$15^{\text{h}} 37^{\text{m}} 26^{\text{s}}.29$ $15^{\text{h}} 40^{\text{m}} 41^{\text{s}}.01$ $15^{\text{h}} 41^{\text{m}} 10^{\text{s}}.23$	$8^{\circ} 41' 19''.1$ $8^{\circ} 12' 26''.0$ $8^{\circ} 46' 39''.8$	$'2941 \ '2938$ $'1494 \ '1505$ $'5565 \ '5557$
155	$+13^{\circ} 30'69''$ $+14^{\circ} 30'01''$ $+14^{\circ} 30'10''$	$16^{\text{h}} 5^{\text{m}} 6^{\text{s}}.277$ $16^{\text{h}} 6^{\text{m}} 30^{\text{s}}.997$ $16^{\text{h}} 9^{\text{m}} 28^{\text{s}}.617$	$13^{\circ} 28' 7''.05$ $14^{\circ} 15' 13''.72$ $14^{\circ} 24' 9''.13$	$'5126 \ '5123$ $'1227 \ '1237$ $'3647 \ '3640$	173	$- 1^{\circ} 40'43''$ $- 1^{\circ} 40'47''$ $- 1^{\circ} 40'50''$	$20^{\text{h}} 42^{\text{m}} 37^{\text{s}}.63$ $20^{\text{h}} 43^{\text{m}} 24^{\text{s}}.58$ $20^{\text{h}} 44^{\text{m}} 10^{\text{s}}.86$	$1^{\circ} 13' 31''.2$ $1^{\circ} 0' 27''.8$ $1^{\circ} 1' 11''.1$	$'3988 \ '3971$ $'2499 \ '2524$ $'3513 \ '3504$
156	$+13^{\circ} 30'58''$ $+13^{\circ} 30'68''$ $+14^{\circ} 29'99''$	$16^{\text{h}} 2^{\text{m}} 5^{\text{s}}.224$ $16^{\text{h}} 4^{\text{m}} 58^{\text{s}}.182$ $16^{\text{h}} 5^{\text{m}} 36^{\text{s}}.543$	$13^{\circ} 33' 3^{\text{s}}.46$ $13^{\circ} 40' 3^{\text{s}}.61$ $14^{\circ} 33' 17''.15$	$'2965 \ '2970$ $'2867 \ '2860$ $'4168 \ '4170$	174	$- 0^{\circ} 40'86''$ $- 0^{\circ} 40'90''$ $+ 0^{\circ} 45'90''$	$20^{\text{h}} 42^{\text{m}} 53^{\text{s}}.32$ $20^{\text{h}} 44^{\text{m}} 27^{\text{s}}.29$ $20^{\text{h}} 46^{\text{m}} 17^{\text{s}}.74$	$0^{\circ} 12' 16''.9$ $0^{\circ} 0' 12''.5$ $0^{\circ} 31' 1''.5$	$'4293 \ '4299$ $'4190 \ '4180$ $'1517 \ '1521$
157	$+14^{\circ} 29'87''$ $+14^{\circ} 29'88''$ $+14^{\circ} 29'94''$	$16^{\text{h}} 1^{\text{m}} 0^{\text{s}}.967$ $16^{\text{h}} 1^{\text{m}} 29^{\text{s}}.756$ $16^{\text{h}} 4^{\text{m}} 49^{\text{s}}.046$	$13^{\circ} 59' 43''.32$ $14^{\circ} 14' 46''.38$ $14^{\circ} 6' 21''.72$	$'6253 \ '6256$ $'1549 \ '1549$ $'2198 \ '2195$	175	$- 0^{\circ} 40'82''$ $+ 0^{\circ} 45'81''$ $+ 0^{\circ} 45'88''$	$20^{\text{h}} 42^{\text{m}} 15^{\text{s}}.35$ $20^{\text{h}} 42^{\text{m}} 39^{\text{s}}.59$ $20^{\text{h}} 46^{\text{m}} 5^{\text{s}}.37$	$0^{\circ} 11' 19''.6$ $1^{\circ} 8' 28''.1$ $1^{\circ} 4' 39''.4$	$'3634 \ '3631$ $'4170 \ '4174$ $'2196 \ '2195$
158	$+14^{\circ} 29'84''$ $+14^{\circ} 29'87''$ $+14^{\circ} 29'88''$	$16^{\text{h}} 0^{\text{m}} 43^{\text{s}}.27$ $16^{\text{h}} 1^{\text{m}} 0^{\text{s}}.967$ $16^{\text{h}} 1^{\text{m}} 29^{\text{s}}.756$	$14^{\circ} 7' 44''.8$ $13^{\circ} 59' 43''.32$ $14^{\circ} 14' 46''.38$	$'0709 \ '0715$ $'6765 \ '6761$ $'2526 \ '2524$	176	$+ 0^{\circ} 45'74''$ $+ 1^{\circ} 43'54''$ $+ 0^{\circ} 45'81''$	$20^{\text{h}} 40^{\text{m}} 4^{\text{s}}.20$ $20^{\text{h}} 41^{\text{m}} 43^{\text{s}}.83$ $20^{\text{h}} 42^{\text{m}} 39^{\text{s}}.59$	$1^{\circ} 6' 17''.3$ $1^{\circ} 38' 14''.7$ $1^{\circ} 8' 28''.8$	$'3386 \ '3388$ $'5356 \ '5360$ $'1258 \ '1251$
159	$+13^{\circ} 30'27''$ $+14^{\circ} 29'55''$ $+14^{\circ} 29'63''$	$15^{\text{h}} 51^{\text{m}} 49^{\text{s}}.208$ $15^{\text{h}} 51^{\text{m}} 56^{\text{s}}.879$ $15^{\text{h}} 54^{\text{m}} 9^{\text{s}}.358$	$13^{\circ} 31' 48''.85$ $14^{\circ} 25' 14''.65$ $14^{\circ} 2' 15''.63$	$'4567 \ '4569$ $'1729 \ '1732$ $'3704 \ '3699$	177	$+ 2^{\circ} 41'91''$ $+ 1^{\circ} 43'16''$ $+ 2^{\circ} 41'97''$	$20^{\text{h}} 29^{\text{m}} 16^{\text{s}}.22$ $20^{\text{h}} 31^{\text{m}} 5^{\text{s}}.65$ $20^{\text{h}} 32^{\text{m}} 12^{\text{s}}.34$	$2^{\circ} 55' 36''.8$ $1^{\circ} 52' 55''.3$ $2^{\circ} 20' 4^{\text{s}}.0$	$'2141 \ '2146$ $'2475 \ '2478$ $'5383 \ '5376$
160	$+13^{\circ} 30'27''$ $+14^{\circ} 29'55''$ $+14^{\circ} 29'60''$	$15^{\text{h}} 51^{\text{m}} 49^{\text{s}}.208$ $15^{\text{h}} 51^{\text{m}} 56^{\text{s}}.879$ $15^{\text{h}} 53^{\text{m}} 8^{\text{s}}.134$	$13^{\circ} 31' 48''.85$ $14^{\circ} 25' 14''.65$ $14^{\circ} 26' 5^{\text{s}}.74$	$'6675 \ '6675$ $'2105 \ '2105$ $'1220 \ '1219$	178	$+ 2^{\circ} 41'90''$ $+ 2^{\circ} 41'91''$ $+ 1^{\circ} 43'14''$	$20^{\text{h}} 29^{\text{m}} 13^{\text{s}}.41$ $20^{\text{h}} 29^{\text{m}} 16^{\text{s}}.22$ $20^{\text{h}} 30^{\text{m}} 25^{\text{s}}.22$	$2^{\circ} 22' 58''.2$ $2^{\circ} 55' 36''.8$ $2^{\circ} 15' 22''.9$	$'3508 \ '3528$ $'1312 \ '1310$ $'5180 \ '5162$
161	$+14^{\circ} 29'46''$ $+13^{\circ} 30'15''$ $+13^{\circ} 30'20''$	$15^{\text{h}} 47^{\text{m}} 33^{\text{s}}.818$ $15^{\text{h}} 48^{\text{m}} 6^{\text{s}}.172$ $15^{\text{h}} 50^{\text{m}} 1^{\text{s}}.921$	$14^{\circ} 12' 58''.92$ $13^{\circ} 10' 30''.97$ $13^{\circ} 33' 17''.44$	$'2145 \ '2145$ $'4016 \ '4019$ $'3839 \ '3836$	179	$+ 1^{\circ} 43'05''$ $+ 2^{\circ} 41'91''$ $+ 1^{\circ} 43'12''$	$20^{\text{h}} 28^{\text{m}} 6^{\text{s}}.51$ $20^{\text{h}} 29^{\text{m}} 16^{\text{s}}.22$ $20^{\text{h}} 30^{\text{m}} 6^{\text{s}}.33$	$2^{\circ} 13' 55''.6$ $2^{\circ} 55' 36''.8$ $2^{\circ} 11' 23''.4$	$'4150 \ '4161$ $'2657 \ '2656$ $'3193 \ '3183$
162	$+13^{\circ} 30'02''$ $+12^{\circ} 28'97''$ $+13^{\circ} 30'09''$	$15^{\text{h}} 44^{\text{m}} 13^{\text{s}}.372$ $15^{\text{h}} 44^{\text{m}} 40^{\text{s}}.854$ $15^{\text{h}} 45^{\text{m}} 57^{\text{s}}.624$	$13^{\circ} 37' 50''.84$ $12^{\circ} 30' 6''.13$ $13^{\circ} 19' 10''.72$	$'2693 \ '2695$ $'5174 \ '5177$ $'2133 \ '2128$	180	$+ 1^{\circ} 42'98''$ $+ 2^{\circ} 41'79''$ $+ 1^{\circ} 43'05''$	$20^{\text{h}} 25^{\text{m}} 51^{\text{s}}.09$ $20^{\text{h}} 27^{\text{m}} 13^{\text{s}}.79$ $20^{\text{h}} 28^{\text{m}} 6^{\text{s}}.51$	$2^{\circ} 13' 40''.9$ $2^{\circ} 49' 41''.7$ $2^{\circ} 13' 55''.6$	$'4651 \ '4659$ $'3248 \ '3249$ $'2101 \ '2092$
163	$+13^{\circ} 29'93''$ $+13^{\circ} 30'00''$ $+12^{\circ} 28'97''$	$15^{\text{h}} 41^{\text{m}} 33^{\text{s}}.721$ $15^{\text{h}} 43^{\text{m}} 33^{\text{s}}.475$ $15^{\text{h}} 44^{\text{m}} 40^{\text{s}}.854$	$12^{\circ} 58' 30''.32$ $12^{\circ} 42' 47''.83$ $12^{\circ} 30' 6''.13$	$'5284 \ '5319$ $'3441 \ '3535$ $'8157 \ '8216$	181	$+ 1^{\circ} 42'73''$ $+ 2^{\circ} 41'46''$ $+ 2^{\circ} 41'54''$	$20^{\text{h}} 19^{\text{m}} 26^{\text{s}}.94$ $20^{\text{h}} 19^{\text{m}} 54^{\text{s}}.25$ $20^{\text{h}} 22^{\text{m}} 8^{\text{s}}.95$	$2^{\circ} 2' 38''.7$ $2^{\circ} 50' 20''.0$ $2^{\circ} 30' 44''.4$	$'5899 \ '5907$ $'2392 \ '2398$ $'1708 \ '1695$
164	$+13^{\circ} 29'93''$ $+12^{\circ} 28'92''$ $+12^{\circ} 28'97''$	$15^{\text{h}} 41^{\text{m}} 33^{\text{s}}.721$ $15^{\text{h}} 43^{\text{m}} 25^{\text{s}}.305$ $15^{\text{h}} 44^{\text{m}} 40^{\text{s}}.854$	$12^{\circ} 58' 30''.32$ $12^{\circ} 15' 1''.18$ $12^{\circ} 30' 6''.13$	$'3915 \ '3913$ $'0315 \ '0323$ $'5770 \ '5764$	182	$+ 1^{\circ} 42'36''$ $+ 1^{\circ} 42'43''$ $+ 1^{\circ} 42'44''$	$20^{\text{h}} 12^{\text{m}} 35^{\text{s}}.16$ $20^{\text{h}} 13^{\text{m}} 34^{\text{s}}.22$ $20^{\text{h}} 14^{\text{m}} 3^{\text{s}}.43$	$2^{\circ} 8' 47''.8$ $1^{\circ} 37' 43''.8$ $1^{\circ} 55' 32''.7$	$'4905 \ '4916$ $'1875 \ '1888$ $'3220 \ '3196$
165	$+12^{\circ} 28'81''$ $+12^{\circ} 28'83''$ $+12^{\circ} 28'92''$	$15^{\text{h}} 40^{\text{m}} 19^{\text{s}}.454$ $15^{\text{h}} 40^{\text{m}} 59^{\text{s}}.975$ $15^{\text{h}} 43^{\text{m}} 25^{\text{s}}.305$	$11^{\circ} 55' 31''.24$ $11^{\circ} 52' 7''.21$ $12^{\circ} 15' 1''.18$	$'6328 \ '6303$ $'0944 \ '0978$ $'2728 \ '2720$	183	$+ 1^{\circ} 42'12''$ $+ 1^{\circ} 42'22''$ $+ 1^{\circ} 42'28''$	$20^{\text{h}} 6^{\text{m}} 28^{\text{s}}.89$ $20^{\text{h}} 8^{\text{m}} 58^{\text{s}}.24$ $20^{\text{h}} 9^{\text{m}} 50^{\text{s}}.31$	$1^{\circ} 30' 8''.6$ $1^{\circ} 18' 19''.5$ $1^{\circ} 52' 7''.4$	$'2361 \ '2368$ $'3255 \ '3255$ $'4383 \ '4377$
166	$+12^{\circ} 28'81''$ $+12^{\circ} 28'83''$ $+13^{\circ} 30'00''$	$15^{\text{h}} 40^{\text{m}} 19^{\text{s}}.454$ $15^{\text{h}} 40^{\text{m}} 59^{\text{s}}.975$ $15^{\text{h}} 43^{\text{m}} 33^{\text{s}}.475$	$11^{\circ} 55' 31''.24$ $11^{\circ} 52' 7''.21$ $12^{\circ} 42' 47''.83$	$'2252 \ '2238$ $'6239 \ '6259$ $'1508 \ '1503$	184	$+ 1^{\circ} 42'12''$ $+ 1^{\circ} 42'22''$ $+ 1^{\circ} 42'28''$	$20^{\text{h}} 6^{\text{m}} 28^{\text{s}}.89$ $20^{\text{h}} 8^{\text{m}} 58^{\text{s}}.24$ $20^{\text{h}} 9^{\text{m}} 50^{\text{s}}.31$	$1^{\circ} 30' 8''.6$ $1^{\circ} 18' 19''.5$ $1^{\circ} 52' 7''.4$	$'6809 \ '6816$ $'2150 \ '2150$ $'1041 \ '1034$
167	$+11^{\circ} 28'37''$ $+11^{\circ} 28'48''$ $+12^{\circ} 28'83''$	$15^{\text{h}} 37^{\text{m}} 0^{\text{s}}.204$ $15^{\text{h}} 40^{\text{m}} 38^{\text{s}}.363$ $15^{\text{h}} 40^{\text{m}} 59^{\text{s}}.975$	$10^{\circ} 54' 25''.94$ $11^{\circ} 10' 23''.01$ $11^{\circ} 52' 7''.21$	$'2518 \ '2519$ $'5668 \ '5674$ $'1813 \ '1808$	185	$+ 1^{\circ} 42'12''$ $+ 0^{\circ} 44'34''$ $+ 1^{\circ} 42'22''$	$20^{\text{h}} 6^{\text{m}} 28^{\text{s}}.89$ $20^{\text{h}} 6^{\text{m}} 41^{\text{s}}.43$ $20^{\text{h}} 8^{\text{m}} 58^{\text{s}}.24$	$1^{\circ} 30' 8''.6$ $0^{\circ} 50' 17''.5$ $1^{\circ} 18' 19''.5$	$'8414 \ '8416$ $'0942 \ '0948$ $'0644 \ '0635$
168	$+11^{\circ} 28'37''$ $+11^{\circ} 28'44''$ $+11^{\circ} 28'46''$	$15^{\text{h}} 37^{\text{m}} 0^{\text{s}}.204$ $15^{\text{h}} 39^{\text{m}} 35^{\text{s}}.777$ $15^{\text{h}} 39^{\text{m}} 43^{\text{s}}.270$	$10^{\circ} 54' 25''.94$ $10^{\circ} 43' 45''.08$ $11^{\circ} 8' 11''.52$	$'0951 \ '0951$ $'7141 \ '7153$ $'1909 \ '1896$	186	$+ 1^{\circ} 42'02''$ $+ 1^{\circ} 42'12''$ $+ 0^{\circ} 44'34''$	$20^{\text{h}} 4^{\text{m}} 10^{\text{s}}.82$ $20^{\text{h}} 6^{\text{m}} 28^{\text{s}}.89$ $20^{\text{h}} 6^{\text{m}} 41^{\text{s}}.43$	$1^{\circ} 35' 3''.1$ $1^{\circ} 30' 8''.6$ $0^{\circ} 50' 17''.5$	$'2779 \ '2788 \ '2812 \ '2822$ $'4531 \ '4516 \ '4483 \ '4468$ $'2691 \ '2696 \ '2705 \ '2709$
169	$+11^{\circ} 28'34''$ $+10^{\circ} 28'93''$ $+11^{\circ} 28'47''$	$15^{\text{h}} 36^{\text{m}} 25^{\text{s}}.981$ $15^{\text{h}} 39^{\text{m}} 51^{\text{s}}.677$ $15^{\text{h}} 40^{\text{m}} 5^{\text{s}}.705$	$10^{\circ} 46' 40''.08$ $9^{\circ} 48' 35''.30$ $10^{\circ} 45' 32''.90$	$'2345 \ '2347$ $'3958 \ '3963$ $'3696 \ '3691$	187	$+ 1^{\circ} 42'02''$ $+ 0^{\circ} 44'19''$ $+ 0^{\circ} 44'34''$	$20^{\text{h}} 4^{\text{m}} 10^{\text{s}}.82$ $20^{\text{h}} 4^{\text{m}} 24^{\text{s}}.12$ $20^{\text{h}} 6^{\text{m}} 41^{\text{s}}.43$	$1^{\circ} 35' 3''.1$ $0^{\circ} 44' 14''.3$ $0^{\circ} 50' 17''.5$	$'5767 \ '5766 \ '5763 \ '5761$ $'0342 \ '0351 \ '0375 \ '0384$ $'3891 \ '3882 \ '3862 \ '3855$
170	$+ 9^{\circ} 30'80''$ $+ 9^{\circ} 30'88''$ $+ 9^{\circ} 30'89''$	$15^{\text{h}} 37^{\text{m}} 9^{\text{s}}.62$ $15^{\text{h}} 40^{\text{m}} 15^{\text{s}}.71$ $15^{\text{h}} 40^{\text{m}} 18^{\text{s}}.53$	$9^{\circ} 9' 32''.8$ $9^{\circ} 10' 19''.7$ $9^{\circ} 40' 39''.0$	$'2856 \ '2854$ $'4435 \ '4446$ $'2709 \ '2699$	188	$+ 0^{\circ} 44'08''$ $+ 1^{\circ} 42'02''$ $+ 0^{\circ} 44'19''$	$20^{\text{h}} 2^{\text{m}} 13^{\text{s}}.90$ $20^{\text{h}} 4^{\text{m}} 10^{\text{s}}.82$ $20^{\text{h}} 4^{\text{m}} 24^{\text{s}}.12$	$1^{\circ} 0' 49''.3$ $1^{\circ} 35' 3''.1$ $0^{\circ} 44' 14''.3$	$'3281 \ '3289$ $'2982 \ '2978$ $'3737 \ '3733$

TABLE 3 (continued)

B.D.				$\alpha_{1950.0}$	$\delta_{1950.0}$	dependences				B.D.				$\alpha_{1950.0}$	$\delta_{1950.0}$	dependences			
				^h ^m ^s	[°] ['] ^{''}									^h ^m ^s	[°] ['] ^{''}				
189	+	0	4400	20 1 2'41	1 12 45'0	4163	4168	4185	4190	207	-	3	4744	19 50 54'162	2 50 38'86	4029	4026	4019	4018
	+	1	4197	20 3 27'75	1 38 15'7	1830	1825	1809	1805		-	3	4750	19 53 16'712	3 5 27'23	3326	3331	3346	3349
	+	0	4420	20 4 43'43	0 28 31'7	4008	4007	4005	4005		-	2	5149	19 54 14'673	2 26 0'07	2646	2643	2635	2633
190	+	0	4403	20 1 14'72	0 44 22'2	0488	0500	0538	0553	208	-	4	4962	19 51 6'505	3 52 38'39	2462	2463		
	+	0	4408	20 2 13'90	1 0 49'3	8096	8085	8053	8041		-	3	4751	19 54 6'291	3 7 57'47	5791	5786		
	+	0	4411	20 2 47'00	0 18 41'7	1416	1415	1409	1405		-	3	4759	19 56 9'891	3 22 12'69	1747	1750		
191	+	0	4390	19 59 35'40	1 1 49'7	2166	2172	2195	2204	209	-	1	122	0 55 26'93	1 1 4'2	1300	1295		
	+	0	4403	20 1 14'72	0 44 22'2	5637	5621	5573	5555		-	1	126	0 57 10'69	0 50 13'1	5459	5457		
	+	0	4402	20 1 14'10	0 16 34'7	2198	2206	2232	2241		-	1	128	0 57 39'17	1 20 55'9	3241	3248		
192	+	0	4386	19 58 59'73	0 31 26'7	3726	3730			210	-	1	125	0 57 1'450	1 27 44'81	1866	1867		
	+	0	4399	20 0 40'12	0 33 34'4	3723	3731				-	1	132	0 58 19'748	1 8 17'96	5077	5071		
	+	0	4403	20 1 14'72	0 44 22'2	2551	2540				-	2	154	1 0 52'428	1 45 48'40	3057	3062		
193	+	0	4386	19 58 59'73	0 31 26'7	6521	6531	6561	6568	211	-	1	131	0 58 16'174	1 17 27'18	4547	4543	4531	4525
	+	0	4399	20 0 40'12	0 33 34'4	2259	2243	2197	2185		-	2	143	0 58 24'978	1 50 58'87	1235	1238	1243	1247
	+	0	4402	20 1 14'10	0 16 34'7	1219	1225	1242	1247		-	2	154	1 0 52'428	1 45 48'40	4218	4219	4226	4228
194	+	0	4379	19 57 24'52	0 30 34'2	4490	4496	4511	4515	212	-	1	131	0 58 16'174	1 17 27'18	1715	1712		
	+	0	4389	19 59 17'04	1 2 3'7	1800	1794	1781	1778		-	2	144	0 58 34'598	1 58 32'13	2746	2748		
	-	0	3903	20 0 53'06	0 3 7'3	3710	3709	3708	3706		-	2	154	1 0 52'428	1 45 48'40	5540	5540		
195	+	0	4379	19 57 24'52	0 30 34'3	2018	2023	2040	2044	213	-	2	135	0 57 2'627	1 35 45'16	2779	2778	2778	2778
	-	0	3895	19 57 38'02	0 41 8'4	1987	1989	1994	1995		-	2	154	1 0 52'429	1 45 48'40	4198	4194	4173	4166
	+	0	4386	19 58 59'74	0 31 26'7	5995	5988	5966	5961		-	2	155	1 1 22'426	2 9 21'02	3024	3028	3049	3055
196	-	0	3884	19 55 21'64	0 0 23'2	2311	2313	2322	2324	214	-	2	144	0 58 34'598	1 58 32'13	0878	0875	0871	0864
	-	0	3895	19 57 38'03	0 41 8'4	1820	1821	1822	1822		-	2	148	0 59 52'383	2 19 35'31	4600	4605	4615	4623
	+	0	4386	19 58 59'74	0 31 26'6	5869	5866	5856	5853		-	2	154	1 0 52'429	1 45 48'40	4522	4521	4514	4513
197	+	0	4367	19 55 28'51	0 22 14'6	3367	3369	3375	3377	215	-	2	144	0 58 34'598	1 58 32'13	4384	4386	4391	4389
	-	0	3895	19 57 38'03	0 41 8'4	3302	3303	3307	3308		-	2	155	1 1 22'426	2 9 21'03	1819	1811	1787	1787
	+	0	4386	19 58 59'74	0 31 26'6	3330	3328	3318	3314		-	3	146	1 1 54'251	2 37 56'95	3797	3803	3821	3824
198	-	0	3889	19 56 20'07	0 2 6'5	5357	5358	5393	5392	216	-	3	137	0 56 37'992	2 40 29'79	2557	2558	2560	2561
	+	0	4379	19 57 24'52	0 30 34'3	2261	2260	2232	2232		-	2	155	1 1 22'426	2 9 21'03	3430	3424	3407	3402
	-	0	3895	19 57 38'04	0 41 8'4	2382	2383	2375	2376		-	3	146	1 1 54'251	2 37 56'95	4013	4018	4033	4038
199	-	0	3884	19 55 21'64	0 0 23'2	3265	3289			217	-	3	137	0 56 37'992	2 40 29'79	2033	2039	2062	2069
	-	0	3889	19 56 20'07	0 2 6'5	4243	4214				-	2	136	0 57 30'327	2 17 16'55	1110	1104	1076	1069
	-	0	3895	19 57 38'02	0 41 8'4	2492	2497				-	3	146	1 1 54'251	2 37 56'95	6856	6857	6862	6862
200	-	0	3874	19 52 39'26	0 33 59'9	1955	1957			218	-	3	137	0 56 37'992	2 40 29'79	2913	2913	2911	2912
	-	0	3889	19 56 20'07	0 2 6'5	5652	5649				-	4	134	1 1 1'657	3 29 58'73	0978	0981	0992	0995
	-	0	3895	19 57 38'03	0 41 8'4	2393	2394				-	3	146	1 1 54'251	2 37 56'95	6109	6107	6097	6093
201	-	0	3874	19 52 39'26	0 33 59'9	5195	5192	5188	5186	219	-	3	137	0 56 37'992	2 40 29'79	2836	2837	2836	2835
	-	1	3864	19 54 26'51	1 7 19'9	2422	2427	2439	2444		-	4	134	1 1 1'657	3 29 58'74	2402	2405	2417	2420
	-	0	3895	19 57 38'03	0 41 8'4	2384	2381	2373	2370		-	3	146	1 1 54'251	2 37 56'95	4762	4758	4747	4745
202	-	0	3874	19 52 39'26	0 33 59'9	2530	2526	2511	2504	220	-	3	136	0 56 29'989	2 43 23'15	3467	3467	3468	3469
	-	1	3858	19 52 37'26	0 58 30'2	1812	1816	1838	1850		-	3	146	1 1 54'251	2 37 56'95	2857	2854	2841	2837
	-	1	3864	19 54 26'51	1 7 19'9	5659	5657	5651	5646		-	4	139	1 2 2'899	3 29 47'71	3676	3680	3691	3694
203	-	1	3854	19 52 5'84	0 54 8'6	2608	2614	2631	2633	221	-	3	137	0 56 37'992	2 40 29'79	2396	2393		
	-	0	3874	19 52 39'26	0 33 59'9	2134	2130	2113	2111		-	4	129	0 59 10'504	3 52 10'59	2147	2153		
	-	1	3863	19 54 21'64	1 20 33'6	5258	5257	5255	5256		-	4	134	1 1 1'658	3 29 58'74	5457	5454		
204	-	1	3856	19 52 26'23	1 2 51'2	5854	5854	5857	5858	222	-	4	129	0 59 10'503	3 52 10'59	9795	9797	9811	9814
	-	2	5147	19 53 19'801	2 1 43'49	1202	1204	1212	1214		-	4	134	1 1 1'658	3 29 58'74	2538	2534	2516	2511
	-	1	3864	19 54 26'51	1 7 19'9	2944	2942	2931	2928		-	4	136	1 1 30'419	4 21 39'21	2333	2331	2327	2325
205	-	2	5136	19 49 27'869	2 16 57'47	2801	2803	2807		223	-	5	160	0 55 20'641	4 30 51'33	3407	3408		
	-	1	3845	19 49 45'650	1 24 5'31	2176	2173	2170			-	5	173	0 58 56'476	4 42 13'53	1928	1930		
	-	2	5151	19 54 40'742	2 7 47'52	5023	5023	5023			-	4	129	0 59 10'504	3 52 10'59	4665	4662		
206	-	2	5139	19 50 44'206	2 43 45'99	3936	3936			224	-	5	160	0 55 20'641	4 30 51'33	2283	2281		
	-	3	4749	19 52 54'564	2 51 38'75	2115	2117				-	5	165	0 57 8'668	4 43 43'92	6419	6423		
	-	2	5147	19 53 19'801	2 1 43'49	3949	3947				-	4	129	0 59 10'504	3 52 10'59	1298	1296		

TABLE 3 (continued)

B.D.	α_{1950^0}	δ_{1950^0}	dependences	B.D.	α_{1950^0}	δ_{1950^0}	dependences
225	^{h m s} — 5 160 — 5 163 — 5 166	^{° ' "} 0 55 20'64I 0 57 0'877 0 57 9'745	^{° ' "} 4 30 51'33 5 22 13'64 4 35 27'28	225	^{h m s} — 14 402I — 14 4036 — 15 3963	^{° ' "} 14 42 40'51I 14 46 31'824 14 47 16'016	^{° ' "} 15 17 36'12 15 8 12'15 15 53 42'68
226	— 7 130 — 6 153 — 6 159	0 49 22'83I 0 49 39'285 0 51 17'889	7 23 47'66 6 16 21'39 6 14 19'95	244	— 14 403I — 14 4040 — 14 4045	14 45 39'498 14 47 30'732 14 48 17'906	15 1 7'80 15 8 9'14 14 49 18'79
227	— 7 118 — 6 145 — 7 130	0 43 55'194 0 47 42'208 0 49 22'83I	6 57 30'12 6 27 58'50 7 23 47'66	245	+22 1769 +22 1779 +23 1815	7 43 32'88 7 45 37'24 7 45 49'88	22 40 12'3 22 31 43'0 22 56 30'4
228	— 8 134 — 8 135 — 8 145	0 42 40'858 0 42 57'745 0 47 12'660	8 26 8'98 7 41 18'11 8 7 18'19	246	+24 1638 +24 1648 +24 1659	7 20 12'56 7 22 30'32 7 23 56'90	24 27 35'2 24 47 36'8 24 1 45'1
229	— 8 129 — 8 135 — 9 150	0 41 41'544 0 42 57'745 0 43 41'179	8 9 41'94 7 41 18'11 8 36 17'14	247	+25 1625 +24 1599 +25 1633	7 13 27'45 7 14 44'28 7 15 27'28	24 58 52'0 24 37 9'1 25 23 29'9
230	— 9 117 — 8 110 — 10 129	0 35 5'602 0 37 12'477 0 37 49'617	9 20 53'79 8 16 45'74 9 29 11'00	248	+25 1603 +25 1608 +25 1613	7 8 49'41 7 9 37'36 7 10 51'24	25 13 1'3 25 37 49'0 25 5 56'8
231	— 10 108 — 10 110 — 9 117	0 32 48'713 0 33 40'034 0 35 5'602	9 58 52'02 10 16 59'48 9 20 53'79	249	+25 1598 +25 1603 +25 1608	7 7 59'65 7 8 49'42 7 9 37'36	25 24 32'9 25 13 1'5 25 37 49'0
232	— 10 95 — 10 99 — 10 108	0 29 30'646 0 30 35'347 0 32 48'713	9 41 10'68 10 15 48'38 9 58 52'02	250	+26 1453 +25 1579 +25 1594	7 2 59'49 7 4 40'65 7 6 31'29	25 53 57'3 25 31 50'6 25 48 45'6
233	— 11 63 — 11 66 — 12 63	0 21 52'92I 0 23 18'848 0 23 36'139	10 55 25'06 10 43 44'62 11 39 11'60	251	+25 1579 +26 1462 +25 1586	7 4 40'65 7 4 44'93 7 5 33'40	25 31 50'6 26 12 37'9 25 43 38'4
234	— 12 53 — 11 63 — 11 71	0 20 41'090 0 21 52'92I 0 24 30'007	11 34 37'36 10 55 25'06 11 24 49'06	252	+25 1570 +26 1459 +25 1579	7 3 1'62 7 4 16'54 7 4 40'65	25 34 49'3 26 15 30'4 25 31 50'6
235	— 11 44 — 12 40 — 12 53	0 16 14'76I 0 16 22'762 0 20 41'090	11 13 35'82 11 51 59'53 11 34 37'36	253	+26 1453 +26 1459 +25 1586	7 2 59'49 7 4 16'54 7 5 33'40	25 53 57'3 26 15 30'4 25 43 38'4
236	— 12 34 — 12 35 — 12 40	0 14 33'966 0 15 8'724 0 16 22'762	12 19 5'02 11 29 33'80 11 51 59'53	254	+26 1451 +25 1570 +26 1462	7 2 39'93 7 3 1'62 7 4 44'94	26 13 5'4 25 34 49'3 26 12 37'9
237	— 19 3978 — 19 3981 — 19 3986	14 50 49'790 14 52 46'899 14 53 53'775	19 46 7'62 19 56 9'14 19 26 50'48	255	+26 1451 +26 1453 +26 1462	7 2 39'93 7 2 59'49 7 4 44'94	26 13 5'4 25 53 57'3 26 12 37'9
238	— 18 3920 — 18 3924 — 19 3979	14 49 29'796 14 50 46'920 14 52 15'267	19 14 13'64 18 56 38'16 19 48 38'12	256	+26 1447 +26 1463 +25 1592	7 1 13'66 7 5 43'19 7 6 25'87	26 14 28'7 26 42 38'0 25 39 53'1
239	— 16 3929 — 16 3936 — 16 3938	14 41 42'182 14 43 12'256 14 43 56'66I	16 39 49'67 16 39 17'77 17 19 25'98	257	+26 1459 +25 1586 +26 1471	7 4 16'54 7 5 33'40 7 6 59'89	26 15 30'4 25 43 38'4 26 17 20'3
240	— 16 3929 — 17 4172 — 16 3938	14 41 42'182 14 43 5'094 14 43 53'66I	16 39 49'67 17 29 16'56 17 19 25'98	258	+26 1462 +25 1595 +26 1471	7 4 44'94 7 6 39'76 7 6 59'89	26 12 37'9 25 49 0'7 26 17 20'3
241	— 16 3923 — 16 3929 — 16 3934	14 40 14'074 14 41 42'182 14 42 49'05I	16 26 34'63 16 39 49'67 16 32 0'63	259	+ 7 2550 + 7 2552 + 7 2553	12 26 49'59 12 28 6'93 12 29 36'87	6 36 3'1 6 23 50'6 7 31 4'0
242	— 14 402I — 14 4036 — 14 4039	14 42 40'51I 14 46 31'824 14 47 20'243	15 17 36'12 15 8 12'15 15 19 8'73	260	+ 8 2604 + 7 2547 + 8 2613	12 24 56'12 12 25 36'76 12 29 38'25	8 17 22'8 7 22 11'3 7 54 58'4

TABLE 3 (continued)

B.D.				α_{1950^0}	δ_{1950^0}	dependences				B.D.				α_{1950^0}	δ_{1950^0}	dependences							
261	+	8	2604	12 24 56 ^h 12 ^m 12 ^s	8 17 22 ^h 8	'4480	'4479					279	+	17	2394	11 42 28 ^h 744 ^m 17 ^s 26' 16 ^h 00 ^m 00 ^s	'3613	'3618					
	+	9	2629	12 25 21' 40	9 10 28' 2	'0699	'0703						+	17	2399	11 45 44' 321	17 1 23' 61	'3476	'3468				
	+	9	2634	12 28 6' 79	8 47 53' 4	'4821	'4819						+	17	2400	11 46 2' 94	17 7 22' 2	'2911	'2913				
262	+	8	2604	12 24 56' 12	8 17 22' 8	'2297	'2293					280	+	17	2392	11 41 13' 078	16 36 0' 23	'0269	'0274				
	+	9	2627	12 24 58' 25	9 24 50' 3	'5649	'5656						+	18	2526	11 42 27' 726	17 35 51' 64	'8183	'8184				
	+	9	2634	12 28 6' 79	8 47 53' 4	'2054	'2052						+	17	2397	11 44 25' 273	16 29 16' 15	'1548	'1542				
263	+	10	2417	12 19 49' 499	10 13 12' 56	'1864	'1867					281	+	18	2514	11 36 34' 473	18 6 55' 37	'0876	'0886				
	+	11	2455	12 22 14' 897	10 59 42' 50	'2132	'2136						+	18	2517	11 38 10' 617	17 59 27' 73	'5934	'5923				
	+	10	2421	12 22 58' 758	10 1 44' 02	'6004	'5997						+	17	2387	11 38 15' 074	17 17 31' 68	'3190	'3191				
264	+	11	2450	12 17 21' 885	10 45 44' 15	'1840	'1840					282	+	18	2510	11 33 4' 702	18 9 3' 93	'1400	'1402				
	+	11	2451	12 19 12' 842	11 27 34' 35	'3715	'3718						+	17	2381	11 36 16' 690	17 22 44' 50	'3927	'3926				
	+	11	2453	12 21 44' 697	10 34 7' 83	'4445	'4442						+	18	2515	11 37 2' 898	18 10 53' 57	'4672	'4671				
265	+	11	2448	12 16 33' 995	10 52 13' 21	'3843	'3858					283	Berl.A	4460	11 32 2' 820	17 3 47' 72	'2750	'2751					
	+	11	2450	12 17 21' 885	10 45 44' 15	'0890	'0875						+	18	2510	11 33 4' 702	18 9 3' 93	'2327	'2330				
	+	12	2459	12 20 29' 827	11 40 51' 29	'5267	'5268						+	18	2514	11 36 34' 473	18 6 55' 37	'4922	'4919				
266	+	11	2448	12 16 33' 995	10 52 13' 21	'2188	'2187					284	Berl.A	4460	11 32 2' 820	17 3 47' 72	'1225	'1226					
	+	12	2448	12 17 19' 236	11 52 34' 32	'3075	'3083						+	18	2510	11 33 4' 702	18 9 3' 93	'5307	'5307				
	+	11	2451	12 19 12' 843	11 27 34' 35	'4737	'4730						+	17	2381	11 36 16' 690	17 22 44' 50	'3468	'3467				
267	+	12	2436	12 11 31' 160	12 25 31' 20	'3580	'3586					285	Berl.A	4460	11 32 2' 820	17 3 47' 72	'3839	'3840					
	+	13	2514	12 13 58' 439	12 47 16' 45	'6079	'6080						+	18	2510	11 33 4' 702	18 9 3' 93	'2366	'2367				
	+	12	2442	12 14 29' 673	12 3 23' 43	'0341	'0334						+	18	2514	11 36 34' 473	18 6 55' 37	'3795	'3793				
268	+	13	2503	12 9 24' 377	13 16 40' 88	'1803	'1805					286	Berl.A	4460	11 32 2' 820	17 3 47' 72	'2847	'2848					
	+	14	2481	12 9 29' 156	13 32 44' 47	'3132	'3137						+	18	2510	11 33 4' 702	18 9 3' 93	'3166	'3164				
	+	13	2505	12 10 17' 803	13 11 7' 29	'5065	'5058						+	17	2381	11 36 16' 690	17 22 44' 50	'3987	'3988				
269	+	13	2498	12 6 25' 101	12 57 55' 59	'1702	'1701					287	Berl.A	4460	11 32 2' 820	17 3 47' 72	'3052	'3054					
	+	14	2477	12 8 41' 729	13 49 53' 59	'3868	'3871						+	18	2510	11 33 4' 702	18 9 3' 93	'2646	'2644				
	+	13	2507	12 10 33' 087	13 20 20' 94	'4430	'4428						+	17	2381	11 36 16' 690	17 22 44' 50	'4302	'4302				
270	+	14	2474	12 5 2' 712	13 47 42' 48	'2783	'2784					288	Berl.A	4460	11 32 2' 820	17 3 47' 72	'7538	'7534					
	+	14	2479	12 9 23' 520	14 17 43' 12	'2246	'2248						+	17	2377	11 33 29' 631	16 39 32' 03	'4137	'4133				
	+	13	2503	12 9 24' 377	13 16 40' 88	'4971	'4969						+	17	2381	11 36 16' 690	17 22 44' 50	'6599	'6598				
271	+	14	2474	12 5 2' 711	13 47 42' 48	'5520	'5521					289	+	18	2510	11 33 4' 702	18 9 3' 93	'3734	'3732				
	+	15	2420	12 7 41' 321	14 48 19' 57	'1635	'1637						+	17	2377	11 33 29' 631	16 39 32' 03	'2309	'2309				
	+	14	2477	12 8 41' 728	13 49 53' 59	'2845	'2842						+	17	2382	11 36 51' 346	16 48 53' 16	'3958	'3959				
272	+	14	2471	12 2 36' 252	13 45 4' 65	'1787	'1789					290	Berl.A	4460	11 32 2' 820	17 3 47' 72	'3177	'3175					
	+	14	2474	12 5 2' 711	13 47 42' 48	'4633	'4631						+	17	2381	11 36 16' 690	17 22 44' 50	'4770	'4767				
	+	15	2420	12 7 41' 321	14 48 19' 57	'3580	'3580						+	17	2382	11 36 51' 346	16 48 53' 16	'2053	'2058				
273	+	16	2323	11 56 21' 390	15 32 38' 81	'5698	'5700					291	+	17	426	2 41 31' 353	17 33 11' 84	'4168	'4164				
	+	15	2404	12 0 7' 414	14 51 18' 63	'2086	'2083						+	16	342	2 42 55' 928	16 48 39' 83	'2545	'2541				
	+	16	2329	12 0 11' 603	15 40 39' 33	'2216	'2216						+	16	348	2 44 55' 000	17 5 35' 10	'3287	'3295				
274	+	15	2399	11 54 32' 186	15 27 44' 03	'4727	'4729					292	+	16	362	2 49 39' 553	16 59 2' 90	'2869	'2867				
	+	16	2325	11 58 44' 515	16 8 1' 38	'2960	'2961						+	17	455	2 52 27' 351	17 41 22' 81	'3555	'3555				
	+	15	2405	12 0 14' 917	15 3 26' 75	'2312	'2310						+	16	373	2 54 13' 437	17 2 20' 87	'3577	'3578				
275	+	16	2320	11 53 38' 137	16 0 27' 78	'3333	'3335					293	+	16	389	3 3 53' 372	17 17 7' 49	'1470	'1467	'1443	'1439		
	+	16	2322	11 56 17' 577	16 5 47' 08	'2166	'2165						+	17	499	3 5 12' 592	18 6 16' 97	'1841	'1840	'1836	'1837		
	+	16	2323	11 56 21' 390	15 32 38' 81	'4501	'4500						+	17	504	3 6 52' 793	17 28 17' 04	'6689	'6693	'6721	'6724		
276	+	16	2320	11 53 38' 137	16 0 27' 78	'5414	'5423					294	+	16	402	3 9 27' 139	17 6 49' 50	'1772	'1769	'1765			
	+	15	2400	11 54 48' 995	15 18 10' 20	'1435	'1431						+	17	511	3 10 16' 436	17 52 8' 18	'5066	'5058	'5048			
	+	16	2322	11 56 17' 577	16 5 47' 08	'3151	'3146						+	17	513	3 11 9' 099	17 42 10' 87	'3162	'3173	'3187			
277	+	17	2404	11 47 0' 321	16 52 29' 75	'4305	'4308					295	+	17	523	3 12 54' 436	18 18 3' 28	'1007	'1003				
	+	16	2306	11 49 55' 710	16 7 31' 69	'3270	'3268						+	17	525	3 14 22' 731	17 23 24' 51	'3413	'3410				
	+	17	2410	11 51 27' 521	17 7 37' 56	'2426	'2424						+	17	527	3 15 30' 042	17 59 28' 06	'5579	'5587				
278	+	17	2399	11 45 44' 321	17 1 23' 61	'4515	'4520	'4536	'4542			296	+	18	506	3 32 5' 945	19 8 49' 39	'1909	'1908				
	+	17	2405	11 48 19' 490	16 39 43' 85	'4199	'4193	'4180	'4174				+	17	585	3 33 31' 637	18 11 50' 21	'2431	'2419				
	+	17	2409	11 50 36' 570	17 7 38' 41	'1286	'1286	'1284	'1284				+	17	593	3 35 11' 396	18 19 4' 26	'5660	'5673				

TABLE 3 (continued)

B.D.	α_{1950^0}	δ_{1950^0}	dependences	B.D.	α_{1950^0}	δ_{1950^0}	dependences		
297	$\begin{smallmatrix}^{\circ} \\ +15\ 1001 \\ +14\ 1100 \\ +15\ 1013\end{smallmatrix}$	$\begin{smallmatrix}^h\ m\ s \\ 5\ 55\ 5^{\circ}54 \\ 5\ 56\ 4^{\circ}110 \\ 5\ 56\ 51^{\circ}193\end{smallmatrix}$	$\begin{smallmatrix}^{\circ}\ ' \ '' \\ 15\ 39\ 29^{\circ}45 \\ 15\ 0\ 25^{\circ}80 \\ 15\ 19\ 44^{\circ}33\end{smallmatrix}$	$\begin{smallmatrix} \\ 2490\ 2503 \\ 2453\ 2466 \\ 5057\ 5031\end{smallmatrix}$	313	$\begin{smallmatrix}^{\circ} \\ +11\ 2288 \\ +10\ 2212 \\ +11\ 2290\end{smallmatrix}$	$\begin{smallmatrix}^h\ m\ s \\ 10\ 47\ 53^{\circ}296 \\ 10\ 48\ 36^{\circ}862 \\ 10\ 48\ 56^{\circ}579\end{smallmatrix}$	$\begin{smallmatrix}^{\circ}\ ' \ '' \\ 10\ 35\ 44^{\circ}03 \\ 9\ 29\ 34^{\circ}36 \\ 10\ 45\ 46^{\circ}83\end{smallmatrix}$	$\begin{smallmatrix} \\ 2782\ 2796 \\ 1752\ 1750 \\ 5465\ 5454\end{smallmatrix}$
298	$\begin{smallmatrix} \\ +15\ 904 \\ +14\ 1008 \\ +15\ 917\end{smallmatrix}$	$\begin{smallmatrix} \\ 5\ 39\ 57^{\circ}210 \\ 5\ 41\ 39^{\circ}693 \\ 5\ 42\ 5^{\circ}503\end{smallmatrix}$	$\begin{smallmatrix} \\ 15\ 11\ 11^{\circ}51 \\ 15\ 2\ 35^{\circ}29 \\ 15\ 36\ 56^{\circ}32\end{smallmatrix}$	$\begin{smallmatrix} \\ 6180\ 6182 \\ 2204\ 2203 \\ 1617\ 1615\end{smallmatrix}$	314	$\begin{smallmatrix} \\ +10\ 2199 \\ +11\ 2277 \\ +11\ 2282\end{smallmatrix}$	$\begin{smallmatrix} \\ 10\ 43\ 5^{\circ}530 \\ 10\ 43\ 58^{\circ}755 \\ 10\ 46\ 25^{\circ}550\end{smallmatrix}$	$\begin{smallmatrix} \\ 10\ 17\ 7^{\circ}78 \\ 11\ 26\ 59^{\circ}56 \\ 10\ 41\ 21^{\circ}09\end{smallmatrix}$	$\begin{smallmatrix} \\ 2186\ 2187 \\ 3611\ 3614 \\ 4204\ 4200\end{smallmatrix}$
299	$\begin{smallmatrix} \\ +15\ 896 \\ +14\ 988 \\ +15\ 917\end{smallmatrix}$	$\begin{smallmatrix} \\ 5\ 38\ 42^{\circ}310 \\ 5\ 39\ 48^{\circ}808 \\ 5\ 42\ 5^{\circ}503\end{smallmatrix}$	$\begin{smallmatrix} \\ 15\ 11\ 32^{\circ}62 \\ 15\ 0\ 12^{\circ}03 \\ 15\ 36\ 56^{\circ}32\end{smallmatrix}$	$\begin{smallmatrix} \\ 3227\ 3232 \\ 4057\ 4053 \\ 2716\ 2715\end{smallmatrix}$	315	$\begin{smallmatrix} \\ +11\ 2273 \\ +11\ 2277 \\ +11\ 2280\end{smallmatrix}$	$\begin{smallmatrix} \\ 10\ 41\ 48^{\circ}066 \\ 10\ 43\ 58^{\circ}755 \\ 10\ 45\ 8^{\circ}965\end{smallmatrix}$	$\begin{smallmatrix} \\ 10\ 38\ 17^{\circ}75 \\ 11\ 26\ 59^{\circ}56 \\ 10\ 42\ 26^{\circ}88\end{smallmatrix}$	$\begin{smallmatrix} \\ 2278\ 2280\ 2288\ 2290 \\ 3612\ 3613\ 3617\ 3619 \\ 4110\ 4108\ 4095\ 4090\end{smallmatrix}$
300	$\begin{smallmatrix} \\ +15\ 870 \\ +15\ 873 \\ +15\ 886\end{smallmatrix}$	$\begin{smallmatrix} \\ 5\ 34\ 37^{\circ}493 \\ 5\ 35\ 7^{\circ}388 \\ 5\ 37\ 25^{\circ}030\end{smallmatrix}$	$\begin{smallmatrix} \\ 15\ 41\ 30^{\circ}65 \\ 15\ 8\ 13^{\circ}49 \\ 15\ 32\ 3^{\circ}55\end{smallmatrix}$	$\begin{smallmatrix} \\ 3527\ 3529 \\ 3359\ 3358 \\ 3114\ 3113\end{smallmatrix}$	316	$\begin{smallmatrix} \\ +12\ 2250 \\ +11\ 2273 \\ +11\ 2280\end{smallmatrix}$	$\begin{smallmatrix} \\ 10\ 41\ 43^{\circ}388 \\ 10\ 41\ 48^{\circ}066 \\ 10\ 45\ 8^{\circ}965\end{smallmatrix}$	$\begin{smallmatrix} \\ 11\ 35\ 54^{\circ}16 \\ 10\ 38\ 17^{\circ}75 \\ 10\ 42\ 26^{\circ}88\end{smallmatrix}$	$\begin{smallmatrix} \\ 4124\ 4123 \\ 2361\ 2360 \\ 3515\ 3518\end{smallmatrix}$
301	$\begin{smallmatrix} \\ +15\ 872 \\ +15\ 880 \\ +15\ 893\end{smallmatrix}$	$\begin{smallmatrix} \\ 5\ 35\ 0^{\circ}576 \\ 5\ 36\ 48^{\circ}748 \\ 5\ 38\ 6^{\circ}849\end{smallmatrix}$	$\begin{smallmatrix} \\ 15\ 53\ 13^{\circ}67 \\ 15\ 17\ 25^{\circ}89 \\ 16\ 1\ 11^{\circ}03\end{smallmatrix}$	$\begin{smallmatrix} \\ 3729\ 3728 \\ 4643\ 4644 \\ 1628\ 1628\end{smallmatrix}$	317	$\begin{smallmatrix} \\ +11\ 2268 \\ +11\ 2273 \\ +12\ 2250\end{smallmatrix}$	$\begin{smallmatrix} \\ 10\ 39\ 3^{\circ}377 \\ 10\ 41\ 48^{\circ}066 \\ 10\ 41\ 43^{\circ}388\end{smallmatrix}$	$\begin{smallmatrix} \\ 11\ 0\ 4^{\circ}60 \\ 10\ 38\ 17^{\circ}75 \\ 11\ 35\ 54^{\circ}16\end{smallmatrix}$	$\begin{smallmatrix} \\ 1925\ 1929 \\ 2704\ 2701 \\ 5371\ 5370\end{smallmatrix}$
302	$\begin{smallmatrix} \\ +15\ 868 \\ +15\ 888 \\ +16\ 843\end{smallmatrix}$	$\begin{smallmatrix} \\ 5\ 34\ 32^{\circ}408 \\ 5\ 37\ 42^{\circ}382 \\ 5\ 38\ 48^{\circ}843\end{smallmatrix}$	$\begin{smallmatrix} \\ 15\ 51\ 55^{\circ}54 \\ 15\ 4\ 47^{\circ}87 \\ 16\ 16\ 50^{\circ}53\end{smallmatrix}$	$\begin{smallmatrix} \\ 2531\ 2531 \\ 3731\ 3730 \\ 3738\ 3739\end{smallmatrix}$	318	$\begin{smallmatrix} \\ +12\ 2229 \\ +11\ 2252 \\ +13\ 2281\end{smallmatrix}$	$\begin{smallmatrix} \\ 10\ 32\ 13^{\circ}904 \\ 10\ 34\ 4^{\circ}065 \\ 10\ 34\ 55^{\circ}280\end{smallmatrix}$	$\begin{smallmatrix} \\ 12\ 22\ 17^{\circ}98 \\ 11\ 16\ 58^{\circ}22 \\ 12\ 36\ 48^{\circ}91\end{smallmatrix}$	$\begin{smallmatrix} \\ 1954\ 1957 \\ 5179\ 5177 \\ 2868\ 2866\end{smallmatrix}$
303	$\begin{smallmatrix} \\ +15\ 886 \\ +16\ 842 \\ +15\ 899\end{smallmatrix}$	$\begin{smallmatrix} \\ 5\ 37\ 25^{\circ}030 \\ 5\ 38\ 47^{\circ}628 \\ 5\ 39\ 17^{\circ}878\end{smallmatrix}$	$\begin{smallmatrix} \\ 15\ 32\ 3^{\circ}55 \\ 16\ 12\ 36^{\circ}47 \\ 15\ 14\ 7^{\circ}44\end{smallmatrix}$	$\begin{smallmatrix} \\ 3867\ 3863 \\ 4662\ 4663 \\ 1471\ 1474\end{smallmatrix}$	319	$\begin{smallmatrix} \\ +12\ 2229 \\ +12\ 2232 \\ +12\ 2235\end{smallmatrix}$	$\begin{smallmatrix} \\ 10\ 32\ 13^{\circ}904 \\ 10\ 33\ 19^{\circ}704 \\ 10\ 33\ 27^{\circ}985\end{smallmatrix}$	$\begin{smallmatrix} \\ 12\ 22\ 17^{\circ}98 \\ 11\ 32\ 16^{\circ}85 \\ 11\ 52\ 25^{\circ}67\end{smallmatrix}$	$\begin{smallmatrix} \\ 1109\ 1110 \\ 0018\ 0017 \\ 8873\ 8873\end{smallmatrix}$
304	$\begin{smallmatrix} \\ +\ 7\ 2433 \\ +\ 6\ 2428 \\ +\ 7\ 2438\end{smallmatrix}$	$\begin{smallmatrix} \\ 11\ 14\ 34^{\circ}92 \\ 11\ 15\ 30^{\circ}26 \\ 11\ 17\ 8^{\circ}33\end{smallmatrix}$	$\begin{smallmatrix} \\ 6\ 56\ 31^{\circ}9 \\ 6\ 20\ 26^{\circ}9 \\ 6\ 32\ 18^{\circ}9\end{smallmatrix}$	$\begin{smallmatrix} \\ 3285\ 3282 \\ 3004\ 3000 \\ 3711\ 3717\end{smallmatrix}$	320	$\begin{smallmatrix} \\ +11\ 2239 \\ +12\ 2229 \\ +12\ 2231\end{smallmatrix}$	$\begin{smallmatrix} \\ 10\ 28\ 53^{\circ}733 \\ 10\ 32\ 13^{\circ}904 \\ 10\ 33\ 8^{\circ}949\end{smallmatrix}$	$\begin{smallmatrix} \\ 11\ 25\ 32^{\circ}26 \\ 12\ 22\ 17^{\circ}98 \\ 11\ 37\ 28^{\circ}19\end{smallmatrix}$	$\begin{smallmatrix} \\ 0953\ 0954 \\ 5480\ 5481 \\ 3568\ 3565\end{smallmatrix}$
305	$\begin{smallmatrix} \\ +\ 7\ 2436 \\ +\ 7\ 2438 \\ +\ 7\ 2440\end{smallmatrix}$	$\begin{smallmatrix} \\ 11\ 17\ 3^{\circ}72 \\ 11\ 17\ 8^{\circ}33 \\ 11\ 18\ 53^{\circ}96\end{smallmatrix}$	$\begin{smallmatrix} \\ 7\ 8\ 29^{\circ}6 \\ 6\ 32\ 18^{\circ}9 \\ 6\ 54\ 33^{\circ}2\end{smallmatrix}$	$\begin{smallmatrix} \\ 3985\ 3989 \\ 2492\ 2491 \\ 3523\ 3519\end{smallmatrix}$	321	$\begin{smallmatrix} \\ +11\ 2239 \\ +12\ 2227 \\ +12\ 2234\end{smallmatrix}$	$\begin{smallmatrix} \\ 10\ 28\ 53^{\circ}733 \\ 10\ 31\ 43^{\circ}531 \\ 10\ 33\ 26^{\circ}308\end{smallmatrix}$	$\begin{smallmatrix} \\ 11\ 25\ 32^{\circ}26 \\ 12\ 26\ 21^{\circ}22 \\ 11\ 53\ 17^{\circ}91\end{smallmatrix}$	$\begin{smallmatrix} \\ 1959\ 1960 \\ 4616\ 4618 \\ 3425\ 3423\end{smallmatrix}$
306	$\begin{smallmatrix} \\ +\ 8\ 2480 \\ +\ 7\ 2433 \\ +\ 7\ 2436\end{smallmatrix}$	$\begin{smallmatrix} \\ 11\ 13\ 28^{\circ}17 \\ 11\ 14\ 34^{\circ}92 \\ 11\ 17\ 3^{\circ}72\end{smallmatrix}$	$\begin{smallmatrix} \\ 8\ 9\ 30^{\circ}2 \\ 6\ 56\ 31^{\circ}9 \\ 7\ 8\ 29^{\circ}6\end{smallmatrix}$	$\begin{smallmatrix} \\ 3733\ 3748\ 3750 \\ 4813\ 4828\ 4830 \\ 1454\ 1424\ 1420\end{smallmatrix}$	322	$\begin{smallmatrix} \\ +12\ 2219 \\ +13\ 2272 \\ +13\ 2274\end{smallmatrix}$	$\begin{smallmatrix} \\ 10\ 27\ 46^{\circ}638 \\ 10\ 29\ 54^{\circ}340 \\ 10\ 31\ 28^{\circ}111\end{smallmatrix}$	$\begin{smallmatrix} \\ 11\ 53\ 15^{\circ}66 \\ 12\ 59\ 17^{\circ}89 \\ 12\ 37\ 58^{\circ}52\end{smallmatrix}$	$\begin{smallmatrix} \\ 6035\ 6035\ 6039\ 6039 \\ 1501\ 1502\ 1514\ 1517 \\ 2464\ 2463\ 2447\ 2444\end{smallmatrix}$
307	$\begin{smallmatrix} \\ +\ 8\ 2469 \\ +\ 8\ 2475 \\ +\ 7\ 2429\end{smallmatrix}$	$\begin{smallmatrix} \\ 11\ 9\ 5^{\circ}73 \\ 11\ 11\ 1^{\circ}99 \\ 11\ 12\ 38^{\circ}38\end{smallmatrix}$	$\begin{smallmatrix} \\ 7\ 49\ 5^{\circ}1 \\ 8\ 13\ 0^{\circ}3 \\ 7\ 18\ 32^{\circ}0\end{smallmatrix}$	$\begin{smallmatrix} \\ 2737\ 2740 \\ 5387\ 5387 \\ 1876\ 1872\end{smallmatrix}$	323	$\begin{smallmatrix} \\ +12\ 2217 \\ +12\ 2219 \\ +13\ 2274\end{smallmatrix}$	$\begin{smallmatrix} \\ 10\ 26\ 46^{\circ}402 \\ 10\ 27\ 46^{\circ}638 \\ 10\ 31\ 28^{\circ}111\end{smallmatrix}$	$\begin{smallmatrix} \\ 12\ 26\ 36^{\circ}31 \\ 11\ 53\ 15^{\circ}66 \\ 12\ 37\ 58^{\circ}52\end{smallmatrix}$	$\begin{smallmatrix} \\ 3115\ 3118\ 3126\ 3127 \\ 4195\ 4194\ 4190\ 4190 \\ 2690\ 2688\ 2684\ 2683\end{smallmatrix}$
308	$\begin{smallmatrix} \\ +\ 8\ 2465 \\ +\ 8\ 2468 \\ +\ 8\ 2471\end{smallmatrix}$	$\begin{smallmatrix} \\ 11\ 7\ 55^{\circ}06 \\ 11\ 8\ 59^{\circ}86 \\ 11\ 9\ 30^{\circ}39\end{smallmatrix}$	$\begin{smallmatrix} \\ 8\ 9\ 47^{\circ}7 \\ 7\ 57\ 54^{\circ}4 \\ 8\ 27\ 42^{\circ}7\end{smallmatrix}$	$\begin{smallmatrix} \\ 4388\ 4401 \\ 2419\ 2407 \\ 3194\ 3193\end{smallmatrix}$	324	$\begin{smallmatrix} \\ +12\ 2213 \\ +12\ 2219 \\ +13\ 2271\end{smallmatrix}$	$\begin{smallmatrix} \\ 10\ 25\ 16^{\circ}674 \\ 10\ 27\ 46^{\circ}638 \\ 10\ 29\ 37^{\circ}611\end{smallmatrix}$	$\begin{smallmatrix} \\ 12\ 20\ 10^{\circ}90 \\ 11\ 53\ 15^{\circ}66 \\ 13\ 10\ 36^{\circ}39\end{smallmatrix}$	$\begin{smallmatrix} \\ 1634\ 1634 \\ 5974\ 5974 \\ 2392\ 2392\end{smallmatrix}$
309	$\begin{smallmatrix} \\ +\ 9\ 2445 \\ +\ 8\ 2458 \\ +\ 9\ 2452\end{smallmatrix}$	$\begin{smallmatrix} \\ 11\ 1\ 7^{\circ}90 \\ 11\ 4\ 16^{\circ}11 \\ 11\ 5\ 30^{\circ}13\end{smallmatrix}$	$\begin{smallmatrix} \\ 8\ 59\ 59^{\circ}0 \\ 8\ 22\ 43^{\circ}6 \\ 9\ 17\ 40^{\circ}9\end{smallmatrix}$	$\begin{smallmatrix} \\ 3158\ 3162 \\ 4043\ 4040 \\ 2798\ 2798\end{smallmatrix}$	325	$\begin{smallmatrix} \\ +12\ 2217 \\ +12\ 2219 \\ +13\ 2272\end{smallmatrix}$	$\begin{smallmatrix} \\ 10\ 26\ 46^{\circ}402 \\ 10\ 27\ 46^{\circ}638 \\ 10\ 29\ 54^{\circ}340\end{smallmatrix}$	$\begin{smallmatrix} \\ 12\ 26\ 36^{\circ}31 \\ 11\ 53\ 15^{\circ}66 \\ 12\ 59\ 17^{\circ}89\end{smallmatrix}$	$\begin{smallmatrix} \\ 3917\ 3917 \\ 4834\ 4835 \\ 1248\ 1248\end{smallmatrix}$
310	$\begin{smallmatrix} \\ +\ 9\ 2444 \\ +\ 8\ 2453 \\ +10\ 2244\end{smallmatrix}$	$\begin{smallmatrix} \\ 11\ 1\ 7^{\circ}01 \\ 11\ 1\ 40^{\circ}70 \\ 11\ 3\ 42^{\circ}846\end{smallmatrix}$	$\begin{smallmatrix} \\ 9\ 26\ 22^{\circ}1 \\ 8\ 26\ 11^{\circ}0 \\ 9\ 39\ 28^{\circ}63\end{smallmatrix}$	$\begin{smallmatrix} \\ 2972\ 2982 \\ 4647\ 4644 \\ 2381\ 2375\end{smallmatrix}$	326	$\begin{smallmatrix} \\ +12\ 2217 \\ +11\ 2238 \\ +12\ 2227\end{smallmatrix}$	$\begin{smallmatrix} \\ 10\ 26\ 46^{\circ}402 \\ 10\ 28\ 12^{\circ}749 \\ 10\ 31\ 43^{\circ}531\end{smallmatrix}$	$\begin{smallmatrix} \\ 12\ 26\ 36^{\circ}31 \\ 11\ 30\ 52^{\circ}63 \\ 12\ 26\ 21^{\circ}22\end{smallmatrix}$	$\begin{smallmatrix} \\ 2683\ 2681 \\ 4692\ 4693 \\ 2625\ 2626\end{smallmatrix}$
311	$\begin{smallmatrix} \\ +10\ 2227 \\ +\ 9\ 2434 \\ +10\ 2230\end{smallmatrix}$	$\begin{smallmatrix} \\ 10\ 55\ 35^{\circ}174 \\ 10\ 56\ 0^{\circ}28 \\ 10\ 56\ 56^{\circ}332\end{smallmatrix}$	$\begin{smallmatrix} \\ 9\ 58\ 10^{\circ}67 \\ 9\ 24\ 16^{\circ}6 \\ 10\ 11\ 57^{\circ}50\end{smallmatrix}$	$\begin{smallmatrix} \\ 0850\ 0863 \\ 6316\ 6310 \\ 2834\ 2827\end{smallmatrix}$	327	$\begin{smallmatrix} \\ +11\ 2238 \\ +12\ 2227 \\ +12\ 2231\end{smallmatrix}$	$\begin{smallmatrix} \\ 10\ 28\ 12^{\circ}749 \\ 10\ 31\ 43^{\circ}531 \\ 10\ 33\ 8^{\circ}949\end{smallmatrix}$	$\begin{smallmatrix} \\ 11\ 30\ 52^{\circ}63 \\ 12\ 26\ 21^{\circ}22 \\ 11\ 37\ 28^{\circ}19\end{smallmatrix}$	$\begin{smallmatrix} \\ 4972\ 4971 \\ 2579\ 2577 \\ 2449\ 2452\end{smallmatrix}$
312 Lpz II	$\begin{smallmatrix} \\ 5626 \\ +10\ 2226 \\ +10\ 2228\end{smallmatrix}$	$\begin{smallmatrix} \\ 10\ 51\ 31^{\circ}57 \\ 10\ 55\ 18^{\circ}763 \\ 10\ 56\ 8^{\circ}79\end{smallmatrix}$	$\begin{smallmatrix} \\ 9\ 26\ 49^{\circ}6 \\ 9\ 56\ 21^{\circ}47 \\ 9\ 31\ 1^{\circ}8\end{smallmatrix}$	$\begin{smallmatrix} \\ 0756\ 0759 \\ 6479\ 6486 \\ 2764\ 2755\end{smallmatrix}$	328	$\begin{smallmatrix} \\ +11\ 2243 \\ +12\ 2231 \\ +11\ 2254\end{smallmatrix}$	$\begin{smallmatrix} \\ 10\ 30\ 10^{\circ}792 \\ 10\ 33\ 8^{\circ}949 \\ 10\ 34\ 44^{\circ}385\end{smallmatrix}$	$\begin{smallmatrix} \\ 10\ 32\ 56^{\circ}87 \\ 11\ 37\ 28^{\circ}19 \\ 11\ 3\ 53^{\circ}10\end{smallmatrix}$	$\begin{smallmatrix} \\ 0500\ 0497 \\ 5717\ 5711 \\ 3783\ 3792\end{smallmatrix}$

CONTENTS

Positions of Minor Planets, Observed in 1947 and 1948, by <i>G. Pels</i>	III
--	-----