

S U N—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center	Seconds from Am Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
1899.															
Oct. 2.0	U.	.	12 34 3.58	3.55	+0.03	64.56	64.42	+0.14	.	3 40 31.0	31.8	+0.8	16 4.0	1.70	+2.3
7.0	B.	.	12 52 16.81	16.85	-0.04	64.66	64.69	-0.03	.	5 36 10.8	11.7	+0.9	3.0	3.09	-0.1
9.0	La.	.	12 59 36.82	36.89	-0.07	64.85	64.81	+0.04	.	6 21 60.3	59.6	-0.7	4.3	3.66	+0.6
10.0	Br.	.	13 3 17.58	17.56	+0.02	64.90	64.88	+0.02	.	6 44 45.8	46.0	+0.2	2.8	3.94	-1.1
13.0	Ei.	.	13 14 22.33	22.38	-0.05	65.19	65.11	+0.08	.	7 52 29.6	30.6	+1.0	5.0	4.79	+0.2
14.0	B.	.	13 18 5.06	4.98	+0.08	65.23	65.19	+0.04	.	8 14 51.1	52.8	+1.7	6.7	5.07	+1.6
18.0	U.	I	13 33 0.80	0.93	-0.13				.	9 43 9.6	7.7	-1.9	6.0	6.18	-0.2
19.0	L.	.	13 36 46.34	46.40	-0.06	65.76	65.62	+0.14	.	10 4 52.6	51.3	-1.3	7.6	6.45	+1.2
20.0	Ei.	.	13 40 32.38	32.50	-0.12	65.73	65.71	+0.02	.	10 26 24.2	26.0	+1.8	4.8	6.72	-1.9
21.0	B.	.	13 44 19.19	19.26	-0.07	65.89	65.80	+0.09	.	10 47 50.2	51.5	+1.3	6.4	6.99	-0.6
23.0	La.	.	13 51 54.61	54.82	-0.21	65.95	66.00	-0.05	.	11 30 10.2	13.5	+3.3	6.4	7.52	-1.1
24.0	Br.	.	13 55 43.62	43.65	-0.03	66.06	66.10	-0.04	.	11 51 8.4	9.2	+0.8	6.4	7.78	-1.4
25.0	U.	.	13 59 33.14	33.21	-0.07	66.16	66.20	-0.04	.	12 11 52.9	54.2	+1.3	7.6	8.03	-0.4
26.0	L.	.	14 3 23.56	23.51	+0.05	66.34	66.30	+0.04	.	12 32 28.0	27.9	-0.1	7.4	8.28	-0.9
27.0	B.	.	14 7 14.55	14.58	-0.03	66.34	66.41	-0.07	.	12 52 49.6	50.2	+0.6	8.2	8.54	-0.3
Nov. 2.0	L.	.	14 30 37.42	37.44	-0.02	67.17	67.08	+0.09	.	14 50 36.8	37.7	+0.9	11.4	10.03	+1.4
4.0	U.	II	14 38 31.37	31.53	-0.16				.	15 28 1.2	2.0	+0.8	9.9	10.52	-0.6
7.0	Br.	.	14 50 28.72	28.83	-0.11	67.74	67.67	+0.07	.	16 22 11.2	12.5	+1.3	11.2	11.24	0.0
9.0	L.	.	14 58 31.14	31.17	-0.03	67.99	67.91	+0.08	.	16 56 55.8	57.3	+1.5	11.6	11.73	-0.1
10.0	B.	.	15 2 33.52	33.57	-0.05	68.02	68.03	-0.01	.	17 13 52.1	53.8	+1.7	9.8	11.96	-2.2
11.0	U.	.	15 6 36.67	36.82	-0.15	68.06	68.15	-0.09	.	17 30 28.8	32.6	+3.8	12.0	12.20	-0.2
13.0	La.	.	15 14 45.58	45.80	-0.22	68.48	68.39	+0.09	.	18 2 53.1	55.3	+2.2	12.8	12.65	+0.2
16.0	L.	.	15 27 5.48	5.54	-0.06	68.72	68.74	-0.02	.	18 49 5.4	6.3	+0.9	13.4	13.29	+0.1
20.0	La.	.	15 43 43.34	43.50	-0.16	69.18	69.19	-0.01	.	19 45 58.5	58.4	-0.1	14.3	14.10	+0.2
21.0	Br.	.	15 47 54.96	55.06	-0.10	69.32	69.30	+0.02	.	19 59 18.0	18.5	+0.5	12.6	14.29	-1.7
27.0	B.	.	16 13 21.32	21.25	+0.07	69.90	69.92	-0.02	.	21 11 24.4	26.8	+2.4	13.6	15.32	-1.7
29.0	U.	.	16 21 55.92	56.04	-0.12	70.04	70.11	-0.07	.	21 32 20.4	21.4	+1.0	13.0	15.64	-2.6
Dec. 1.0	B.	.	16 30 33.58	33.63	-0.05	70.36	70.29	+0.07	.	21 51 34.5	37.5	+3.0	15.9	15.94	0.0
2.0	U.	.	16 34 53.26	53.40	-0.14	70.43	70.38	+0.05	.	22 0 36.6	37.9	+1.3	18.0	16.09	+1.9
4.0	U.	.	16 43 34.64	34.76	-0.12	70.49	70.54	-0.05	.	22 17 20.0	22.1	+2.1	15.8	16.38	-0.6
5.0	Br.	.	16 47 56.19	56.30	-0.11	70.70	70.61	+0.09	.	22 25 3.9	5.2	+1.3	15.0	16.52	-1.5
6.0	B.	.	16 52 18.29	18.36	-0.07	70.68	70.68	0.00	.	22 32 17.8	22.2	+4.4	16.0	16.66	-0.7
7.0	L.	.	16 56 40.95	40.93	+0.02	70.86	70.75	+0.11	.	22 39 10.2	12.7	+2.5	15.2	16.79	-1.6
8.0	B.	.	17 1 3.86	3.99	-0.13	70.92	70.82	+0.10	.	22 45 35.4	36.5	+1.1	16.4	16.92	-0.5
9.0	U.	.	17 5 27.39	27.47	-0.08	70.88	70.88	0.00	.	22 51 33.0	33.6	+0.6	16.2	17.04	-0.8
11.0	B.	.	17 14 15.71	15.64	+0.07	70.94	70.99	-0.05	.	23 2 5.2	6.0	+0.8	16.0	17.27	-1.3
13.0	U.	.	17 23 5.18	5.23	-0.05	71.00	71.08	-0.08	.	23 10 47.8	48.9	+1.1	16.7	17.48	-0.8
14.0	L.	.							.	23 14 28.6	29.0	+0.4	15.2	17.58	-2.4
15.0	La.	.	17 31 55.80	56.00	-0.20	71.20	71.15	+0.05	.	23 17 40.9	41.1	+0.2	17.8	17.68	+0.1
16.0	U.	.	17 36 21.60	21.76	-0.16	71.26	71.18	+0.08	.	23 20 25.3	25.5	+0.2	17.2	17.77	-0.6
18.0	La.	.	17 45 13.74	13.87	-0.13	71.18	71.23	-0.05	.	23 24 29.8	29.8	0.0	15.2	17.91	-2.7
20.0	U.	.	17 54 6.48	6.58	-0.10	71.34	71.26	+0.08	.	23 26 43.2	41.5	-1.7	17.4	18.04	-0.6
21.0	L.	.	17 58 33.04	33.09	-0.05	71.40	71.27	+0.13	.	23 27 3.0	4.9	+1.9	17.6	18.10	-0.5
22.0	B.	.	18 2 59.66	59.65	+0.01	71.34	71.27	+0.07	.	23 26 59.0	60.0	+1.0	17.6	18.15	-0.5
26.0	Br.	.	18 20 45.74	45.83	-0.09	71.28	71.24	+0.04	.	23 21 56.8	57.2	+0.4	20.0	18.29	+1.7
30.0	U.	II	18 38 30.14	30.24	-0.10				S.	-23 9 20.2	23.1	+2.9			

MOON.

1894.															
Oct. 10.4	K.	I	22 30 32.34	32.19	+0.15				S.	-11 53 5.8	5.1	-0.7			
11.4	S.	I	23 16 11.42	11.32	+0.10				S.	- 6 3 40.8	41.9	+1.1			
15.5	S.	II	2 29 57.38	57.77	-0.39				N.	+18 20 21.0	23.0	-2.0			
16.6	P.	II	3 26 48.41	48.68	-0.27				N.	+23 10 54.4	55.2	-0.8			
Nov. 2.2	P.	I	18 47 7.94	7.60	+0.34										
3.2	L.	I	19 42 4.74	4.36	+0.38				S.	-26 13 39.3	41.1	+1.8			
Dec. 4.2	P.	I	22 36 33.87	33.68	+0.19				S.	-10 45 0.7	1.5	+0.8			
5.3	K.	I	23 20 58.33	58.08	+0.25				S.	- 5 2 52.9	52.3	-0.6			
7.3	P.	I	0 51 28.46	28.07	+0.39				S.	+ 7 6 12.9	4.4	+8.5			
1895.															
Jan. 4.3	P.	I	1 17 29.90	29.51	+0.39				S.	+10 41 60.1	59.6	+0.5			
Mar. 6.4	K.	I	7 26 57.05	56.75	+0.30				N.	+26 41 50.5	51.9	-1.4			
Apr. 10.6	K.	II	14 38 58.63	58.46	+0.17				S.	-19 49 15.6	15.7	+0.1			
18.8	L.	II	22 0 58.91	58.94	-0.03				N.	-14 25 7.5	4.5	-3.0			
19.9	L.	II	22 45 48.71	48.83	-0.12										

M O O N—Continued.															
Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
			h m s	s	s	s	s	s		° / "	"	"	' "	"	"
1895.															
May 4.4	L.	I	11 33 50.07	49.88	+0.19	..	..	..	N.	+ 2 35 54.1	55.6	-1.5	..	..	..
28.2	P.	I	8 30 27.10	26.87	+0.23	..	..	..	N.	+22 34 11.4	13.7	-2.3	..	..	..
June 1.3	S.	I	12 8 27.10	26.80	+0.30	..	..	..	N.	- 2 18 46.9	47.1	+0.2	..	..	..
July 3.4	P.	I	16 22 42.58	42.42	+0.16	..	..	..	N.	-26 39 59.3	58.1	-1.2	..	..	..
30.3	P.	I	16 4 42.01	41.87	+0.14	..	..	..	N.	-26 2 4.2	4.2	0.0	..	..	..
Aug. 23.1	P.	I	12 56 21.41	21.33	+0.08	..	..	..	..	..	..	..	..	..	..
24.2	P.	I	13 51 8.57	8.41	+0.16	..	..	..	..	..	..	..	..	..	..
26.2	L.	I	15 45 20.70	20.58	+0.12	..	..	..	..	..	..	..	..	..	..
28.3	L.	I	17 44 12.76	12.60	+0.16	..	..	..	S.	-28 32 53.9	54.6	+0.7	..	..	..
31.4	L.	I	20 30 35.53	35.15	+0.38	..	..	..	S.	-22 21 16.1	15.4	-0.7	..	..	..
Sept. 2.5	L.	I	22 6 0.31	0.10	+0.21	..	..	..	S.	-13 3 42.4	42.9	+0.5	..	..	..
3.5	L.	..	22 50 14.79	14.74	+0.05	61.20	61.27	-0.07	..	- 7 35 24.2	25.5	+1.3	14 44.6	44.3	+0.3
4.5	L.	II	23 33 21.95	21.87	+0.08	..	..	..	N.	- 1 50 45.3	44.7	-0.6	..	..	..
11.8	L.	II	5 26 46.04	45.99	+0.05	..	..	..	N.	+28 27 30.2	31.3	-1.1	..	..	..
13.8	L.	II	7 35 30.66	30.78	-0.12	..	..	..	..	..	..	..	..	..	..
21.1	P.	I	14 21 26.39	26.48	-0.09	..	..	..	..	..	..	..	..	..	..
23.2	P.	I	16 21 18.41	18.33	+0.08	..	..	..	..	..	..	..	..	..	..
28.4	L.	I	21 3 42.31	42.13	+0.18	..	..	..	S.	-19 33 17.3	17.3	0.0	..	..	..
Oct. 1.4	L.	I	23 19 0.61	0.31	+0.30	..	..	..	..	..	..	..	..	..	..
3.5	L.	II	0 45 51.91	51.95	-0.04	..	..	..	N.	+ 7 50 42.8	44.9	-2.1	..	..	..
5.6	L.	II	2 19 35.20	35.39	-0.19	..	..	..	N.	+18 31 14.3	16.4	-2.1	..	..	..
21.1	L.	I	16 54 46.00	46.13	-0.13	..	..	..	..	..	..	..	..	..	..
22.2	L.	I	17 57 6.39	6.30	+0.09	..	..	..	..	..	..	..	..	..	..
23.2	L.	I	18 57 0.89	0.74	+0.15	..	..	..	S.	-27 14 31.3	32.5	+1.2	..	..	..
24.2	L.	I	19 53 12.04	11.68	+0.36	..	..	..	S.	-24 41 12.0	13.0	+1.0	..	..	..
25.3	L.	I	20 45 17.81	17.57	+0.24	..	..	..	S.	-20 59 53.0	53.1	+0.1	..	..	..
26.3	L.	I	21 33 43.03	42.78	+0.25	..	..	..	S.	-16 27 50.6	51.2	+0.6	..	..	..
29.4	L.	I	23 46 13.36	13.17	+0.19	..	..	..	S.	- 0 1 36.7	37.7	+1.0	..	..	..
Nov. 2.5	L.	II	2 53 39.07	38.95	+0.12	..	..	..	N.	+21 26 50.0	48.4	+1.6	..	..	..
19.1	P.	I	18 29 28.32	28.10	+0.22	..	..	..	..	..	..	..	..	..	..
21.2	P.	I	20 23 20.84	20.55	+0.29	..	..	..	S.	-22 26 54.2	56.4	+2.2	..	..	..
22.2	P.	I	21 13 53.10	52.78	+0.32	..	..	..	S.	-18 10 17.6	20.2	+2.6	..	..	..
29.4	P.	I	2 32 21.34	21.04	+0.30	..	..	..	S.	+19 42 13.9	11.0	+2.9	..	..	..
1896.															
Jan. 3.6	K.	II	10 9 0.82	0.81	+0.01	..	..	..	..	..	..	..	..	..	..
4.7	S.	II	11 2 51.96	52.12	-0.16	..	..	..	S.	+ 5 7 51.7	49.2	+2.5	..	..	..
18.1	S.	I	22 52 22.40	22.07	+0.33	..	..	..	..	..	..	..	..	..	..
26.4	L.	I	5 30 27.07	26.61	+0.46	..	..	..	N.	+28 13 0.2	1.1	-0.9	..	..	..
27.4	L.	I	6 35 17.33	16.78	+0.55	..	..	..	N.	+27 33 29.2	28.0	+1.2	..	..	..
July 13.1	L.	I	10 10 49.62	49.48	+0.14	..	..	..	..	..	..	..	..	..	..
17.2	K.	I	13 43 22.98	22.84	+0.14	..	..	..	N.	-15 46 20.1	18.9	-1.2	..	..	..
18.3	P.	I	14 40 51.06	50.68	+0.38	..	..	..	N.	-21 2 12.8	10.9	-1.9	..	..	..
Aug. 3.8	K.	II	4 47 44.88	44.83	+0.05	..	..	..	N.	+27 25 40.9	44.8	-3.9	..	..	..
4.9	P.	II	5 47 55.70	55.57	+0.13	..	..	..	..	..	..	..	..	..	..
5.9	L.	II	6 49 36.75	36.80	-0.05	..	..	..	..	..	..	..	..	..	..
11.1	K.	I	11 36 37.97	37.82	+0.15	..	..	..	..	..	..	..	..	..	..
14.2	K.	I	14 22 54.39	54.25	+0.14	..	..	..	N.	-19 37 12.2	12.3	+0.1	..	..	..
15.2	P.	I	15 22 59.12	58.86	+0.26	..	..	..	N.	-24 1 61.7	59.5	-2.2	..	..	..
16.3	K.	I	16 25 25.34	25.33	+0.01	..	..	..	..	..	..	..	..	..	..
17.3	L.	I	17 28 50.82	50.78	+0.04	..	..	..	N.	-27 54 59.0	57.9	-1.1	..	..	..
19.4	P.	I	19 30 47.16	47.01	+0.15	..	..	..	S.	-24 48 59.9	61.3	+1.4	..	..	..
24.6	L.	II	23 35 49.10	49.05	+0.05	..	..	..	N.	+ 0 15 31.6	33.5	-1.9	..	..	..
25.6	K.	II	0 19 24.23	24.30	-0.07	..	..	..	N.	+ 5 58 12.4	13.2	-0.8	..	..	..
26.6	P.	II	1 3 32.73	32.75	-0.02	..	..	..	N.	+11 25 17.6	18.9	-1.3	..	..	..
27.6	L.	II	1 49 13.34	13.51	-0.17	..	..	..	N.	+16 26 1.2	3.0	-1.8	..	..	..
28.7	K.	II	2 37 20.06	20.27	-0.21	..	..	..	N.	+20 48 50.4	49.7	+0.7	..	..	..
29.7	P.	II	3 28 34.65	34.55	+0.10	..	..	..	N.	+24 20 32.5	33.0	-0.5	..	..	..
30.7	P.	II	..	..	..	..	..	..	N.	+26 46 32.8	33.8	-1.0	..	..	..
31.8	L.	II	5 21 1.49	1.37	+0.12	..	..	..	..	..	..	..	..	..	..
Sept. 1.8	S.	II	6 20 55.21	55.20	+0.01	..	..	..	..	..	..	..	..	..	..
2.9	L.	II	7 21 27.38	27.29	+0.09	..	..	..	..	..	..	..	..	..	..
9.1	S.	I	13 2 16.94	16.63	+0.31	..	..	..	..	..	..	..	..	..	..
10.1	L.	I	14 0 34.30	34.14	+0.16	..	..	..	..	..	..	..	..	..	..
11.2	P.	I	15 1 31.09	30.95	+0.14	..	..	..	..	..	..	..	..	..	..

M O O N—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
			h m s	s	s	s	s	s		° / "	"	"	' "	"	"
1896.															
Oct. 9.1	K.	I	15 37 15.32	15.13	+0.19	.	.	.	S.	-14 29 27.3	28.6	+1.3	.	.	.
15.3	S.	I	21 35 24.76	24.60	+0.16	.	.	.	S.	+7 42 40.9	38.6	+2.3	.	.	.
19.4	S.	I	0 33 30.40	30.38	+0.02	.	.	.	N.	+17 46 5.2	5.2	0.0	.	.	.
21.5	P.	II	2 4 40.21	40.27	-0.06	.	.	.	N.	+21 50 34.3	36.1	-1.8	.	.	.
22.5	S.	II	2 53 47.38	47.54	-0.16	.	.	.	N.	+26 56 41.0	42.1	-1.1	.	.	.
24.6	P.	II	4 40 37.72	37.65	+0.07	.	.	.	S.	+26 41 12.7	8.3	+4.4	.	.	.
26.7	S.	II	6 35 6.30	6.40	-0.10	.	.	.	S.	+24 20 21.4	16.8	+4.6	.	.	.
27.7	K.	II	7 32 21.97	21.93	+0.04	.	.	.	S.	+9 42 44.6	44.0	+0.6	.	.	.
30.8	K.	II	10 16 4.47	4.56	-0.09	.	.	.	S.	.	.	.	.	.	.
Nov. 1.9	B.	II	12 3 2.37	2.39	-0.02	.	.	.	.	.	.	.	.	.	.
7.1	P.	I	17 18 23.01	22.89	+0.12	.	.	.	S.	-20 43 19.4	19.2	-0.2	.	.	.
10.2	S.	I	20 25 23.15	22.88	+0.27	.	.	.	S.	-5 13 57.8	59.0	+1.2	.	.	.
13.3	K.	I	22 51 21.71	21.46	+0.25	.	.	.	.	.	.	.	.	.	.
14.3	B.	I	23 35 11.29	10.94	+0.35	.	.	.	.	.	.	.	.	.	.
15.4	B.	I	0 18 37.94	37.77	+0.17	.	.	.	S.	+11 21 5.7	4.7	+1.0	.	.	.
16.4	La.	I	1 2 48.14	47.99	+0.15	.	.	.	S.	+16 16 35.0	32.5	+2.5	.	.	.
17.4	K.	I	1 48 40.73	40.66	+0.07	.	.	.	S.	+20 34 29.3	29.1	+0.2	.	.	.
18.4	P.	I	2 37 4.43	4.10	+0.33	.	.	.	N.	.	.	.	.	.	.
Dec. 9.2	La.	I	21 45 46.91	46.71	+0.20	.	.	.	S.	-12 47 37.5	39.9	+2.4	.	.	.
10.2	P.	I	22 33 12.16	11.80	+0.36	.	.	.	S.	-7 12 39.3	41.2	+1.9	.	.	.
11.2	K.	I	23 18 11.75	11.49	+0.26	.	.	.	S.	-1 29 27.8	28.9	+1.1	.	.	.
12.3	S.	I	0 2 4.37	4.23	+0.14	.	.	.	S.	+4 10 26.1	23.7	+2.4	.	.	.
14.3	La.	I	1 31 15.83	15.58	+0.25	.	.	.	S.	+14 41 30.6	29.0	+1.6	.	.	.
16.4	S.	I	3 8 60.24	59.99	+0.25	.	.	.	S.	+22 56 61.3	59.4	+1.9	.	.	.
17.4	P.	I	4 2 34.14	33.79	+0.35	.	.	.	N.	+25 40 54.8	54.0	+0.8	.	.	.
28.8	B.	.	.	.	.	.	.	.	S.	-18 0 24.8	28.5	+3.7	.	.	.
1897.															
Jan. 6.1	La.	I	22 11 24.36	24.06	+0.30	.	.	.	S.	-9 39 56.6	58.9	+2.3	.	.	.
7.2	B.	I	22 58 14.73	14.46	+0.27	.	.	.	S.	-3 51 9.4	10.5	+1.1	.	.	.
8.2	S.	I	23 43 13.22	12.96	+0.26	.	.	.	S.	+1 57 45.5	42.1	+3.4	.	.	.
9.2	La.	I	0 27 34.17	33.93	+0.24	.	.	.	S.	+12 51 29.1	26.3	+2.8	.	.	.
10.2	P.	I	1 12 27.62	27.11	+0.51	.	.	.	S.	+17 36 44.4	42.3	+2.1	.	.	.
11.3	La.	I	1 58 56.25	55.99	+0.26	.	.	.	S.	+21 39 60.7	58.7	+2.0	.	.	.
12.3	K.	I	2 47 54.42	54.08	+0.34	.	.	.	S.	+20 10 27.4	26.2	+1.2	.	.	.
18.5	B.	.	.	.	.	.	.	.	S.	+15 6 24.6	21.4	+3.2	.	.	.
19.6	S.	II	9 22 23.83	23.84	-0.01	.	.	.	S.	+2 40 58.4	55.5	+2.9	.	.	.
21.6	B.	II	11 7 0.64	0.63	+0.01	.	.	.	S.	-3 59 1.4	3.7	+2.3	.	.	.
22.7	K.	II	11 58 33.01	33.06	-0.05	.	.	.	S.	-16 26 15.6	20.3	+4.7	.	.	.
24.7	B.	II	13 46 12.56	12.50	+0.06	.	.	.	S.	-21 27 39.3	41.7	+2.4	.	.	.
25.8	S.	II	14 44 31.63	31.65	-0.02	.	.	.	S.	.	.	.	.	.	.
28.9	K.	II	17 56 44.08	44.36	-0.28	.	.	.	S.	.	.	.	.	.	.
Feb. 4.1	B.	I	23 23 10.80	10.47	+0.33	.	.	.	S.	-0 35 2.3	0.8	-1.5	.	.	.
9.2	K.	I	3 17 24.97	24.49	+0.48	.	.	.	S.	+23 38 16.3	15.5	+0.8	.	.	.
13.4	P.	I	7 3 15.04	14.53	+0.51	.	.	.	N.	+25 23 58.4	58.1	+0.3	.	.	.
14.4	S.	I	8 1 6.82	6.53	+0.29	.	.	.	N.	+22 9 31.8	31.2	+0.6	.	.	.
16.5	K.	I	9 52 8.32	8.21	+0.11	.	.	.	N.	+11 52 55.3	54.6	+0.7	.	.	.
17.5	S.	II	10 45 32.32	32.31	+0.01	.	.	.	S.	+5 26 7.4	6.8	+0.6	.	.	.
19.6	K.	II	12 32 16.05	16.12	-0.07	.	.	.	S.	-8 11 47.9	49.2	+1.3	.	.	.
23.8	S.	II	16 31 37.33	37.50	-0.17	.	.	.	S.	-26 42 40.1	39.6	-0.5	.	.	.
25.8	S.	II	18 39 59.34	59.42	-0.08	.	.	.	.	.	.	.	.	.	.
26.9	La.	II	19 40 21.62	21.79	-0.17	.	.	.	.	.	.	.	.	.	.
Mar. 10.2	La.	I	4 43 6.88	6.48	+0.40	.	.	.	S.	+26 53 34.4	30.8	+3.6	.	.	.
12.3	K.	I	6 36 32.75	32.43	+0.32	.	.	.	N.	+26 16 52.7	50.9	+1.8	.	.	.
14.4	S.	I	8 29 47.06	46.84	+0.22	.	.	.	N.	+19 55 3.8	2.6	+1.2	.	.	.
16.4	K.	I	10 18 36.85	36.64	+0.21	.	.	.	S.	-22 40 24.2	25.7	+1.5	.	.	.
21.6	S.	II	15 4 30.80	31.09	-0.29	.	.	.	S.	-25 54 3.9	4.2	+0.3	.	.	.
22.7	B.	II	16 9 43.12	43.34	-0.22	.	.	.	.	.	.	.	.	.	.
26.8	La.	II	20 19 53.45	53.56	-0.11	.	.	.	.	.	.	.	.	.	.
27.9	La.	II	21 12 48.27	48.23	+0.04	.	.	.	.	.	.	.	.	.	.
Apr. 5.1	Br.	I	3 29 51.28	50.86	+0.42	.	.	.	N.	+17 9 14.7	16.0	-1.3	.	.	.
11.3	S.	I	8 58 59.38	59.10	+0.28	.	.	.	N.	+11 41 40.3	39.2	+1.1	.	.	.
12.4	Br.	I	9 51 53.73	53.50	+0.23	.	.	.	N.	-8 13 32.1	31.0	-1.1	.	.	.
15.5	B.	I	12 32 58.52	58.64	-0.12	.	.	.	S.	-20 21 35.9	37.7	+1.8	.	.	.
17.5	La.	II	14 33 35.24	35.13	+0.11	.	.	.	S.	-24 29 26.8	26.9	+0.1	.	.	.
18.6	S.	II	15 39 43.25	43.24	+0.01	.	.	.	S.	-26 42 26.8	25.8	-1.0	.	.	.
19.6	Br.	II	16 48 12.15	12.16	-0.01	.	.	.	S.	-26 50 43.9	42.0	-1.9	.	.	.
20.7	K.	II	17 56 19.23	19.28	-0.05	.	.	.	S.	.	.	.	.	.	.

M O O N—Continued.																			
Date.	Observer.	Part observed.	Apparent Right Ascension of Center.			Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.			Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
			h	m	s	s	s	s	s		°	'	"	"	"	'	"	"	"
1897.																			
Apr. 21.7	S.	.	.	.	.	.	.	.	.	N.	-25	3	33.7	31.6	-2.1				
22.7	B.	II	20	1	25.43	25.47	-0.04			N.	-21	43	31.8	30.1	-1.7				
26.9	La.	II	23	19	47.64	47.65	-0.01			N.	-0	53	18.8	16.3	-2.5				
27.9	S.	II	0	4	18.19	18.17	+0.02												
May 6.2	B.	I	6	50	57.21	56.70	+0.51												
7.2	K.	I	7	45	27.75	27.42	+0.33												
8.2	La.	I	8	38	31.43	31.10	+0.33			N.	+18	41	59.4	59.3	+0.1				
9.3	S.	I	9	30	13.66	13.33	+0.33			N.	+13	46	23.7	24.5	-0.8				
13.4	B.	I	13	0	24.51	24.61	-0.10			N.	-11	31	60.1	56.6	-3.5				
15.5	S.	I	15	4	18.45	18.40	+0.05			S.	-22	29	6.5	6.3	-0.2				
16.5	S.	II	16	12	47.79	47.78	+0.01			S.	-25	43	16.4	15.0	-1.4				
17.6	Br.	II	17	23	7.33	7.27	+0.06			S.	-26	52	30.9	30.4	-0.5				
18.6	K.	II	18	31	55.41	55.29	+0.12			S.	-25	53	34.6	30.9	-3.7				
19.7	S.	II	19	36	21.99	22.07	-0.08			N.	-23	3	59.1	55.7	-3.4				
20.7	B.	II	20	35	14.59	14.61	-0.02			N.	-18	52	40.4	39.6	-0.8				
21.7	Br.	II	21	28	49.60	49.51	+0.09			N.	-13	48	51.2	50.6	-0.6				
22.8	La.	II	22	18	12.15	12.21	-0.06			N.	-8	16	18.1	15.6	-2.5				
24.8	Br.	II	23	49	43.15	43.18	-0.03			N.	+3	8	42.1	43.8	-1.7				
25.8	K.	II	0	34	23.96	24.02	-0.06			N.	+8	36	58.9	59.6	-0.7				
June 6.2	S.	I	10	3	30.89	30.65	+0.24			N.	+9	50	38.5	38.4	+0.1				
9.3	S.	I	12	35	48.34	48.07	+0.27			N.	-8	54	31.9	28.7	-3.2				
10.3	K.	I	13	31	33.84	33.57	+0.27			N.	-15	0	29.1	27.4	-1.7				
11.4	B.	I	14	31	55.20	55.30	-0.10			N.	-20	20	6.6	5.5	-1.1				
12.4	La.	I	15	37	15.75	15.65	+0.10			S.	-24	20	53.0	53.1	+0.1				
13.5	S.	I	16	46	26.99	26.89	+0.10			S.	-26	31	58.3	58.0	-0.3				
14.5	K.	II	17	56	40.98	40.76	+0.22			S.	-26	35	19.6	17.9	-1.7				
18.7	K.	II	21	57	29.25	29.12	+0.13			N.	-10	27	44.2	44.8	+0.6				
20.7	S.	II	23	32	39.49	39.48	+0.01			N.	+1	13	3.4	6.2	-2.8				
21.8	Br.	II	0	18	1.11	1.26	-0.15												
22.8	K.	II	1	3	31.49	31.46	+0.03			N.	+12	8	7.9	7.6	+0.3				
23.8	S.	II	1	50	11.51	11.59	-0.08			N.	+16	52	19.1	20.8	-1.7				
24.8	K.	II	2	38	50.02	50.08	-0.06			N.	+20	54	9.4	4.1	+5.3				
July 2.1	K.	I	8	57	38.46	38.39	+0.07												
4.2	S.	I	10	37	53.04	52.85	+0.19			N.	+5	34	59.2	59.6	-0.4				
5.2	Br.	I	11	27	20.67	20.51	+0.16			N.	-0	37	40.2	41.8	+1.6				
6.2	L.	I	12	17	55.29	55.21	+0.08			N.	-6	55	59.0	57.2	-1.8				
8.3	L.	I	14	7	42.89	42.71	+0.18			N.	-18	30	10.1	8.6	-1.5				
11.4	S.	I	17	23	13.43	13.43	0.00			S.	-26	52	3.8	3.4	-0.4				
13.5	L.	I	19	36	45.11	44.89	+0.22												
14.5	K.	II	20	37	12.93	12.77	+0.16			N.	-18	28	24.2	24.1	-0.1				
15.6	La.	II	21	32	42.66	42.52	+0.14			N.	-13	6	51.2	49.9	-1.3				
18.7	S.	II	23	58	56.65	56.65	0.00			N.	+4	37	54.4	53.5	+0.9				
21.8	S.	II	2	19	53.90	53.92	-0.02			N.	+19	32	27.3	29.2	-1.9				
22.8	L.	II	3	10	10.86	10.85	+0.01			N.	+23	2	7.7	8.7	-1.0				
23.8	La.	II	4	2	50.38	50.33	+0.05												
24.9	S.	II	4	57	37.11	36.92	+0.19												
25.9	Br.	II	5	53	43.54	43.28	+0.26												
31.1	La.	I	10	21	52.34	52.25	+0.09												
Aug. 2.1	Br.	I	12	2	28.86	28.72	+0.14			N.	-5	4	26.0	25.1	-0.9				
3.2	L.	I	12	54	41.86	41.66	+0.20			N.	-11	16	1.3	59.3	-2.0				
6.3	K.	I	15	51	23.18	23.01	+0.17			N.	-25	3	51.0	50.0	-1.0				
7.3	La.	I	16	57	12.96	12.76	+0.20			N.	-26	44	37.5	35.6	-1.9				
8.4	L.	I	18	3	57.63	57.58	+0.05			S.	-26	29	45.3	43.2	-2.1				
12.5	B.	II	22	0	32.86	32.72	+0.14			N.	-10	1	42.6	43.4	+0.8				
13.6	K.	II	22	50	21.23	21.24	-0.01			N.	-4	1	20.7	20.0	-0.7				
14.6	La.	II	23	38	6.45	6.42	+0.03			N.	+2	0	7.4	9.2	-1.8				
16.6	Br.	II	1	11	52.79	52.87	-0.08			N.	+13	7	6.7	6.4	+0.3				
17.7	L.	II	1	59	50.68	50.70	-0.02			N.	+17	48	49.4	49.4	0.0				
19.7	B.	II	3	41	16.60	16.50	+0.10			N.	+24	36	5.4	4.9	+0.5				
20.8	K.	II	4	35	5.23	5.09	+0.14			N.	+26	21	30.6	30.8	-0.2				
21.8	La.	II	5	30	26.30	26.22	+0.08			N.	+26	49	57.9	57.4	+0.5				
23.9	L.	II	7	22	7.20	6.99	+0.21												
31.1	L.	I	13	32	5.38	5.07	+0.31												
Sept. 1.2	La.	I	14	30	28.39	28.31	+0.08			N.	-20	16	17.6	17.0	-0.6				
2.2	B.	I	15	32	22.88	22.59	+0.29			N.	-24	7	21.3	21.9	+0.6				
3.2	S.	I	16	37	5.46	5.37	+0.09			N.	-26	20	11.9	10.5	-1.4				
4.3	La.	I	17	42	50.60	50.51	+0.09			N.	-26	41	40.1	41.3	+1.2				
5.3	S.	I	18	47	20.96	20.83	+0.13			S.	-25	12	1.6	59.4	-2.2				
6.4	S.	I	19	48	43.12	43.21	-0.09			S.	-22	4	9.9	9.9	0.0				

MOON—Continued.

1900 PHSNO.	Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
				h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
1897.	Sept. 7.4	L.	I	20 46 5.11	5.00	+0.11	.	.	.	S.	-17 39 33.5	32.6	-0.9	.	.	.
	8.4	S.	I	21 39 33.03	33.04	-0.01	.	.	.	S.	-12 21 55.3	56.9	+1.6	.	.	.
	9.5	B.	I	22 29 51.85	51.82	+0.03	.	.	.	S.	- 6 33 50.5	51.9	+1.4	.	.	.
	10.5	L.	I	23 18 1.99	1.95	+0.04	63.49	63.53	-0.04	N.	- 0 34 57.2	56.2	+1.0	.	.	.
	13.6	B.	II	1 39 52.42	52.34	+0.08	.	.	.	N.	+15 50 20.2	19.7	+0.5	.	.	.
	14.6	L.	II	2 29 5.09	5.05	+0.04	.	.	.	N.	+20 5 9.6	10.3	+0.7	.	.	.
	15.7	S.	II	3 20 8.43	8.56	-0.13	.	.	.	N.	+23 24 24.3	23.9	+0.4	.	.	.
	17.7	K.	II	5 7 31.55	31.24	+0.31	.	.	.	N.	+26 38 20.0	19.2	+0.8	.	.	.
	18.8	La.	II	6 2 44.21	44.03	+0.18	.	.	.	N.	+26 19 42.0	42.7	-0.7	.	.	.
	19.8	S.	.	.	.	.	.	.	.	S.	+24 41 3.3	0.6	+2.7	.	.	.
	20.8	L.	II	7 52 9.64	9.44	+0.20	.	.	.	S.	+21 45 11.0	8.2	+2.8	.	.	.
	21.9	S.	II	8 45 17.37	17.22	+0.15	.	.	.	S.	+17 38 57.0	54.3	+2.7	.	.	.
	23.9	K.	II	10 28 49.81	49.74	+0.07	.	.	.	.	.	.	.	.	.	.
	29.1	S.	I	15 10 25.47	25.22	+0.25	.	.	.	.	.	.	.	.	.	.
Oct.	3.3	B.	I	19 30 33.25	33.14	+0.11	.	.	.	S.	-22 58 28.4	28.3	-0.1	.	.	.
	4.3	K.	I	.	.	.	.	.	.	S.	-18 58 33.6	33.2	-0.4	.	.	.
	5.3	L.	I	21 22 23.85	23.79	+0.06	.	.	.	S.	-14 1 37.3	39.9	+2.6	.	.	.
	6.4	S.	I	22 12 48.69	48.53	+0.16	.	.	.	S.	- 8 29 26.7	28.4	+1.7	.	.	.
	7.4	L.	I	23 0 51.79	51.72	+0.07	.	.	.	S.	- 2 40 32.6	34.7	+2.1	.	.	.
	9.5	La.	I	0 34 13.96	13.87	+0.09	.	.	.	N.	+ 8 45 21.9	20.9	+1.0	.	.	.
	11.5	L.	II	2 10 5.65	5.78	-0.13	.	.	.	.	.	.	.	.	.	.
	12.6	Br.	II	3 0 31.18	31.43	-0.25	.	.	.	N.	+22 5 49.9	47.2	+2.7	.	.	.
	13.6	S.	II	3 52 49.23	49.27	-0.04	.	.	.	N.	+24 43 48.6	48.5	+0.1	.	.	.
	14.6	L.	II	4 46 38.00	37.91	+0.09	.	.	.	N.	+26 11 7.5	7.4	+0.1	.	.	.
	15.7	K.	II	5 41 14.40	14.12	+0.28	.	.	.	N.	+26 22 6.2	4.9	+1.3	.	.	.
	16.7	B.	II	6 35 45.33	45.14	+0.19	.	.	.	S.	+25 15 9.9	8.4	+1.5	.	.	.
	17.7	S.	II	7 29 25.67	25.52	+0.15	.	.	.	S.	+22 52 55.7	52.8	+2.9	.	.	.
	30.2	Br.	I	19 9 49.02	48.78	+0.24	.	.	.	S.	-23 46 56.5	57.7	+1.2	.	.	.
	31.2	S.	I	20 10 26.37	26.07	+0.30	.	.	.	S.	-20 6 17.9	18.7	+0.8	.	.	.
Nov.	2.3	B.	I	21 57 33.60	33.49	+0.11	.	.	.	S.	- 9 59 28.9	31.1	+2.2	.	.	.
	3.3	S.	I	22 46 0.93	0.72	+0.21	.	.	.	S.	- 4 17 30.7	33.7	+3.0	.	.	.
	4.4	L.	I	23 32 42.45	42.35	+0.10	.	.	.	S.	+ 1 27 53.9	50.3	+3.6	.	.	.
	5.4	Br.	I	0 18 48.60	48.62	-0.02	.	.	.	S.	+ 7 3 35.3	31.1	+4.2	.	.	.
	6.4	La.	I	1 5 21.31	21.01	+0.30	.	.	.	S.	+12 17 31.2	27.2	+4.0	.	.	.
	9.5	B.	II	3 34 25.89	25.78	+0.11	.	.	.	N.	+23 50 8.1	6.9	+1.2	.	.	.
	10.5	S.	II	4 27 48.61	48.61	0.00	.	.	.	N.	+25 40 10.8	11.6	+0.8	.	.	.
	11.6	L.	II	5 22 12.71	12.65	+0.06	.	.	.	N.	+26 15 40.7	40.2	+0.5	.	.	.
	12.6	K.	II	6 16 39.50	39.14	+0.36	.	.	.	S.	+25 33 58.4	56.0	+2.4	.	.	.
	13.6	Po.	II	7 10 12.57	12.44	+0.13	.	.	.	S.	+23 37 17.5	14.8	+2.7	.	.	.
	16.7	La.	II	9 42 10.20	10.08	+0.12	.	.	.	S.	+11 30 47.0	43.4	+3.6	.	.	.
	17.8	S.	II	10 31 6.29	6.27	+0.02	.	.	.	S.	+ 5 55 18.9	17.4	+1.5	.	.	.
	18.8	L.	II	11 20 41.19	41.08	+0.11	.	.	.	S.	- 0 7 57.5	57.5	0.0	.	.	.
	19.8	Br.	II	12 12 10.55	10.55	0.00	.	.	.	.	.	.	.	.	.	.
	20.9	S.	II	13 6 56.91	57.00	-0.09	.	.	.	.	.	.	.	.	.	.
	27.1	Po.	I	19 45 15.25	14.98	+0.27	.	.	.	S.	-11 42 47.8	48.0	+0.2	.	.	.
	29.2	K.	I	21 39 21.75	21.53	+0.22	.	.	.	S.	- 5 58 29.0	32.5	+3.5	.	.	.
	30.2	La.	I	22 29 47.72	47.50	+0.22	.	.	.	S.	.	.	.	.	.	.
Dec.	1.3	S.	I	23 17 34.22	33.92	+0.30	.	.	.	S.	- 0 9 10.6	14.5	+3.9	.	.	.
	6.4	L.	I	3 17 8.85	8.58	+0.27	.	.	.	S.	+23 0 59.4	56.4	+3.0	.	.	.
	7.5	Br.	I	4 9 57.59	57.35	+0.24	.	.	.	N.	+25 11 24.0	23.7	+0.3	.	.	.
	8.5	S.	I	5 4 11.71	11.32	+0.39	.	.	.	N.	+26 9 30.6	30.9	-0.3	.	.	.
	9.5	L.	II	5 58 53.08	52.68	+0.40	.	.	.	N.	+25 50 38.3	37.2	+1.1	.	.	.
	12.6	S.	II	8 36 20.36	20.37	-0.01	.	.	.	.	.	.	.	.	.	.
	15.7	S.	II	11 1 24.30	24.26	+0.04	.	.	.	S.	+ 2 0 51.5	51.7	-0.2	.	.	.
	16.8	Br.	II	11 50 19.22	19.21	+0.01	.	.	.	S.	- 3 59 20.4	22.5	+2.1	.	.	.
	17.8	K.	II	12 41 35.20	35.06	+0.14	.	.	.	S.	- 9 59 39.6	38.2	-1.4	.	.	.
	18.8	B.	II	13 36 35.43	35.36	+0.07	.	.	.	S.	-15 40 14.7	16.7	+2.0	.	.	.
	27.2	L.	I	22 7 57.04	56.80	+0.24	.	.	.	S.	- 8 21 37.4	38.3	+0.9	.	.	.
	28.2	La.	I	22 58 18.00	17.76	+0.24	.	.	.	S.	- 2 20 33.0	33.1	+0.1	.	.	.
	30.2	L.	I	0 33 34.96	34.74	+0.22	.	.	.	.	.	.	.	.	.	.
1898.	Jan. 3.4	L.	I	3 51 42.79	42.36	+0.43	.	.	.	S.	+24 38 61.3	59.4	+1.9	.	.	.
	4.4	Br.	I	4 45 30.07	29.76	+0.31	.	.	.	S.	+26 1 6.5	0.9	+5.6	.	.	.
	5.4	S.	I	5 40 13.00	12.46	+0.54	.	.	.	N.	+26 7 13.3	12.1	+1.2	.	.	.
	7.5	K.	II	7 28 20.73	20.41	+0.32	.	.	.	N.	+22 30 8.6	7.9	+0.7	.	.	.
	8.5	Po.	II	8 20 9.96	9.92	+0.04	.	.	.	S.	+18 58 32.4	29.3	+3.1	.	.	.
	16.8	S.	II	15 12 32.72	32.86	-0.14	.	.	.	S.	-22 52 56.3	58.7	+2.4	.	.	.
	17.9	E.	II	16 17 49.13	49.03	+0.10	.	.	.	S.	-25 29 6.1	10.8	+4.7	.	.	.
	24.1	K.	I	22 33 31.50	31.29	+0.21	.	.	.	.	.	.	.	.	.	.

M O O N—Continued.															
Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
1898.															
Jan. 26.2	S.	I	0 12 49.15	48.85	+0.30	..	..	..	S.	+ 6 45 45.3	43.7	+1.6	..	..	..
27.2	B.	I	1 1 12.55	12.28	+0.27	..	..	..	S.	+12 11 58.3	55.9	+2.4	..	..	..
28.2	L.	I	1 50 6.20	5.99	+0.21	..	..	..	S.	+16 57 50.1	50.9	-0.8	..	..	..
29.3	La.	I	2 40 13.39	13.00	+0.39	..	..	..	S.	+20 53 39.3	37.2	+2.1	..	..	..
30.3	S.	I	3 31 56.72	56.44	+0.28	..	..	..	S.	+23 50 9.5	6.9	+2.6	..	..	..
Feb. 2.4	S.	I	6 14 20.19	19.72	+0.47	..	..	..	N.	+25 31 38.6	38.5	+0.1	..	..	..
3.4	L.	I	7 8 24.94	24.47	+0.47	..	..	..	N.	+23 33 14.6	13.6	+1.0	..	..	..
4.5	K.	I	8 1 10.75	10.60	+0.15	..	..	..	N.	+20 24 23.7	22.1	+1.6	..	..	..
5.5	Po.	I	8 52 20.16	19.90	+0.26	..	..	..	N.	+16 14 29.1	29.2	-0.1	..	..	..
6.5	S.	II	9 42 0.91	0.83	+0.08	..	..	..	S.	+11 15 37.3	34.9	+2.4	..	..	..
7.6	K.	II	10 30 44.68	44.53	+0.15	..	..	..	S.	+ 5 41 15.4	14.1	+1.3	..	..	..
8.6	La.	II	11 19 19.19	19.17	+0.02	..	..	..	S.	- 0 13 49.1	52.2	+3.1	..	..	..
9.6	Po.	II	12 8 44.21	44.27	-0.06	..	..	..	S.	..	..	..	..	..	..
10.6	L.	II	13 0 5.42	5.51	-0.09	..	..	..	S.	-12 1 35.4	35.2	-0.2	..	..	..
13.8	S.	II	15 54 48.52	48.65	-0.13	..	..	..	S.	-24 42 30.5	30.8	+0.3	..	..	..
15.8	S.	II	18 6 37.86	38.14	-0.28	..	..	..	..	..	..	..	..	..	..
16.9	L.	II	19 11 56.58	56.72	-0.14	..	..	..	..	..	..	..	..	..	..
23.1	S.	I	0 38 35.07	34.61	+0.46	..	..	..	..	..	..	..	..	..	..
24.1	L.	I	1 28 7.60	7.34	+0.26	..	..	..	S.	+14 48 16.1	16.0	+0.1	..	..	..
26.2	B.	I	3 10 19.01	18.63	+0.38	..	..	..	S.	+22 36 32.9	30.0	+2.9	..	..	..
27.2	S.	I	4 3 26.09	25.54	+0.55	..	..	..	S.	+24 55 13.5	11.0	+2.5	..	..	..
28.3	L.	I	4 57 34.57	34.14	+0.43	..	..	..	S.	+26 1 5.9	4.4	+1.5	..	..	..
Mar. 1.3	Br.	I	5 52 5.87	5.29	+0.58	..	..	..	N.	+25 50 46.2	45.2	+1.0	..	..	..
2.3	S.	I	6 46 13.19	12.63	+0.56	..	..	..	N.	+24 24 23.1	22.8	+0.3	..	..	..
3.4	L.	I	7 39 17.83	17.41	+0.42	..	..	..	N.	+21 45 51.5	50.9	+0.6	..	..	..
4.4	K.	I	8 31 0.26	59.84	+0.42	..	..	..	N.	+18 2 18.8	18.3	+0.5	..	..	..
5.4	Po.	I	9 21 24.11	23.66	+0.45	..	..	..	N.	+13 23 29.3	30.5	-1.2	..	..	..
6.5	S.	I	10 10 54.41	54.14	+0.27	..	..	..	N.	+ 8 1 16.3	16.7	-0.4	..	..	..
7.5	K.	I	11 0 13.87	13.64	+0.23	..	..	..	S.	+ 2 9 26.8	26.2	+0.6	..	..	..
8.5	La.	II	11 50 16.29	16.24	+0.05	..	..	..	S.	- 3 55 59.9	60.9	+1.0	..	..	..
9.6	S.	II	12 42 2.30	2.49	-0.19	..	..	..	S.	- 9 56 32.0	33.7	+1.7	..	..	..
10.6	L.	II	13 36 31.53	31.55	-0.02	..	..	..	S.	-15 30 59.5	57.7	-1.8	..	..	..
12.7	B.	II	15 36 2.67	2.90	-0.23	..	..	..	S.	-23 46 23.1	23.1	0.0	..	..	..
13.7	S.	II	16 40 29.54	29.84	-0.30	..	..	..	S.	-25 41 51.8	53.5	+1.7	..	..	..
14.8	L.	II	17 46 5.11	5.30	-0.19	..	..	..	S.	-25 49 14.5	11.4	-3.1	..	..	..
31.3	L.	I	8 8 28.43	28.08	+0.35	..	..	..	N.	+19 34 60.8	59.5	+1.3	..	..	..
Apr. 1.3	K.	I	8 58 48.07	47.69	+0.38	..	..	..	N.	+15 24 6.0	6.0	0.0	..	..	..
2.4	Po.	I	9 48 11.29	10.90	+0.39	..	..	..	N.	+10 25 2.9	4.7	-1.8	..	..	..
3.4	S.	I	10 37 20.12	19.82	+0.30	..	..	..	N.	+ 4 49 5.5	5.6	-0.1	..	..	..
5.5	La.	I	12 18 42.60	42.49	+0.11	..	..	..	S.	- 7 16 47.1	47.6	+0.5	..	..	..
6.5	S.	II	13 13 3.41	3.52	-0.09	..	..	..	S.	-13 9 6.3	6.5	+0.2	..	..	..
7.5	L.	II	14 11 5.26	5.23	+0.03	..	..	..	S.	-18 22 12.6	12.1	-0.5	..	..	..
8.6	K.	II	15 13 7.21	7.20	+0.01	..	..	..	S.	-22 28 19.9	18.2	-1.7	..	..	..
12.8	Po.	II	19 34 14.61	15.02	-0.41	..	..	..	N.	-21 43 10.1	5.6	-4.5	..	..	..
15.9	Br.	II	22 19 48.04	48.30	-0.26	..	..	..	N.	- 6 46 53.7	48.9	-4.8	..	..	..
29.3	K.	I	9 26 18.77	18.45	+0.32	..	..	..	..	..	..	..	..	..	..
30.3	Po.	I	10 14 30.59	30.15	+0.44	..	..	..	N.	+ 7 14 27.0	29.8	-2.8	..	..	..
May 1.3	S.	I	11 3 2.32	2.07	+0.25	..	..	..	N.	+ 1 32 33.6	36.0	-2.4	..	..	..
2.4	K.	I	11 53 1.10	0.83	+0.27	..	..	..	N.	- 4 25 20.1	18.9	-1.2	..	..	..
8.6	S.	II	18 6 10.90	11.26	-0.36	..	..	..	S.	-25 1 47.6	44.0	-3.6	..	..	..
9.7	Br.	II	19 12 22.13	22.27	-0.14	..	..	..	N.	-22 39 48.9	46.5	-2.4	..	..	..
10.7	L.	II	20 14 9.22	9.23	-0.01	..	..	..	N.	-18 46 59.3	56.1	-3.2	..	..	..
11.7	S.	II	21 11 12.52	12.69	-0.17	..	..	..	N.	-13 50 61.9	57.7	-4.2	..	..	..
13.8	K.	II	22 54 24.48	24.63	-0.15	..	..	..	N.	- 2 28 48.2	45.1	-3.1	..	..	..
17.9	S.	II	2 9 42.84	42.96	-0.12	..	..	..	..	..	..	..	..	..	..
24.1	Br.	I	7 28 53.26	53.03	+0.23	..	..	..	..	..	..	..	..	..	..
25.2	S.	I	8 19 5.53	5.15	+0.38	..	..	..	N.	+18 17 18.8	20.9	-2.1	..	..	..
27.2	B.	I	9 55 0.72	0.38	+0.34	..	..	..	N.	+ 9 11 6.2	6.3	-0.1	..	..	..
28.3	Po.	I	10 42 8.60	8.24	+0.36	..	..	..	N.	+ 3 48 2.6	4.1	-1.5	..	..	..
30.3	K.	I	12 20 2.38	1.95	+0.43	..	..	..	N.	- 7 43 22.7	20.7	-2.0	..	..	..
31.4	La.	I	13 13 21.29	20.98	+0.31	..	..	..	N.	-13 21 53.7	51.0	-2.7	..	..	..
June 1.4	S.	I	14 11 13.78	13.61	+0.17	..	..	..	N.	-18 26 52.5	50.6	-1.9	..	..	..
3.5	La.	I	16 22 8.05	7.92	+0.13	..	..	..	S.	-24 57 8.9	9.2	+0.3	..	..	..
5.6	S.	II	18 42 3.23	3.19	+0.04	..	..	..	N.	-23 51 53.0	50.8	-2.2	16 41.0	40.7	+0.3
6.6	L.	II	19 48 1.66	1.67	-0.01	..	..	..	N.	-20 27 56.1	54.1	-2.0	..	..	..
7.7	Br.	II	20 49 1.41	1.41	0.00	..	..	..	N.	-15 43 53.1	52.8	-0.3	..	..	..
8.7	S.	II	21 45 11.07	11.15	-0.08	..	..	..	N.	-10 11 12.4	9.6	-2.8	..	..	..
9.7	L.	II	22 37 31.73	31.78	-0.05	..	..	..	N.	- 4 16 40.7	37.9	-2.8	..	..	..
11.8	Po.	II	0 15 59.67	59.80	-0.13	..	..	..	N.	+ 7 19 28.0	32.4	-4.4	..	..	..

M O O N—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
			h m s	s	s	s	s	s		° / //	//	//	' //	//	//
1898.															
June 12.8	S.	II	1 4 33.22	33.38	-0.16				N.	+12 32 22.4	26.0	-3.6			
13.8	La.	II	1 53 57.36	57.39	-0.03				N.	+10 47 16.3	18.4	-2.1			
23.1	L.	I	9 38 59.67	59.47	+0.20				N.	+ 5 37 0.5	1.2	-0.7			
24.2	K.	I	10 25 30.37	30.11	+0.26				N.	+ 0 6 36.0	37.8	-1.8			
25.2	Po.	I	11 12 5.99	5.72	+0.27				N.						
27.3	K.	I	12 50 9.07	8.80	+0.27				N.	-20 45 31.4	30.4	-1.0			
29.3	S.								N.	-23 58 11.4	8.5	-2.9			
30.4	L.	I	15 47 6.66	6.43	+0.23				N.						
July 1.4	K.	I	16 55 30.40	30.22	+0.18				S.	-25 38 13.4	12.9	-0.5	16 38.7	39.5	-0.8
2.5	B.	I	18 5 42.47	42.15	+0.32				S.	-24 56 42.9	40.7	-2.2			
3.5	S.	II	19 14 28.91	28.91	0.00				N.	-22 23 53.7	51.4	-2.3	16 42.1	44.0	-1.9
7.7	L.	II	23 7 32.99	33.00	-0.01				N.	- 0 38 31.7	28.9	-2.8			
8.7	K.	II	23 57 56.31	56.19	+0.12				N.	+ 5 19 37.2	38.7	-1.5			
9.7	Po.	II	0 47 31.24	31.27	-0.03				N.	+10 50 59.2	61.4	-2.2			
10.8	S.	II	1 37 19.18	19.27	-0.09				N.	+15 43 19.9	23.1	-3.2			
23.2	L.	I	11 44 24.49	24.33	+0.16				N.	- 3 43 26.8	26.0	-0.8			
25.2	K.	I	13 24 17.97	17.80	+0.17				N.	-14 30 12.9	11.4	-1.5			
28.3	L.	I	16 23 55.34	55.24	+0.10				N.	-25 0 29.8	28.3	-1.5			
29.4	K.	I	17 31 33.76	33.37	+0.39				S.	-25 26 56.4	55.8	-0.6	16 28.8	30.9	-2.1
30.4	B.	I	18 39 52.04	51.85	+0.19				S.	-23 55 29.4	27.9	-1.5			
Aug. 1.5	L.		20 48 49.66	49.65	+0.01	71.78	71.78	0.00	N.	-15 42 31.7	30.8	-0.9			
3.6	La.	II	22 42 26.59	26.64	-0.05				N.	- 3 39 54.9	52.9	-2.0			
5.6	K.	II	0 26 19.39	19.31	+0.08				N.	+ 8 29 36.6	37.2	-0.6			
6.7	Br.								N.	+13 47 37.4	38.5	-1.1			
7.7	S.	II	2 8 45.04	45.04	0.00				N.	+18 16 42.2	43.5	-1.3			
8.7	K.	II	3 1 10.13	10.18	-0.05				N.	+21 46 55.6	54.7	+0.9			
21.1	Br.	I	13 8 37.64	37.43	+0.21				N.						
22.2	K.	I	14 2 10.04	9.81	+0.23				N.	-17 40 2.9	0.4	-2.5			
24.2	B.	I	16 0 57.20	57.08	+0.12				N.	-24 16 53.4	51.9	-1.5			
26.3	K.	I	18 11 34.21	34.00	+0.21				S.	-24 41 24.6	23.3	-1.3			
27.4	B.	I	19 16 49.57	49.44	+0.13				S.	-22 11 31.6	30.1	-1.5			
28.4	La.								S.	-18 6 53.6	51.4	-2.2			
30.5	Br.	I	22 15 16.32	16.31	+0.01				N.	- 6 50 54.3	54.8	+0.5			
31.5	La.	II	23 9 10.20	10.13	+0.07				N.	- 0 34 16.1	14.3	-1.8			
Sept. 1.6	Br.	II	0 1 38.62	38.60	+0.02				N.	+ 5 35 5.3	6.2	-0.9			
2.6	K.	II	0 53 38.75	38.70	+0.05				N.	+11 16 51.6	51.8	-0.2			
3.6	B.	II	1 45 56.95	56.76	+0.19				N.	+16 14 40.3	39.8	+0.5			
4.7	Br.								N.	+20 15 35.3	35.2	+0.1			
5.7	K.	II	3 33 1.65	1.47	+0.18				N.	+23 9 58.9	58.7	+0.2			
6.7	B.	II	4 27 39.16	38.96	+0.20				N.	+24 51 27.9	28.4	-0.5			
7.8	K.	II	5 22 19.50	19.29	+0.21				N.	+25 17 22.2	22.1	+0.1			
8.8	L.	II	6 16 19.59	19.44	+0.15				S.	+24 28 45.5	43.3	+2.2			
10.9	S.	II	8 0 7.88	7.76	+0.12										
11.9	L.	II	8 49 36.59	36.35	+0.24				N.	-20 20 33.2	31.9	-1.3			
19.1	K.	I	14 42 6.03	5.83	+0.20				S.	-23 1 56.4	56.0	-0.4			
23.3	K.	I	18 54 40.40	40.13	+0.27				S.	-19 36 36.2	35.6	-0.6			
24.3	B.	I	19 56 34.09	33.97	+0.12				S.	-14 56 4.2	5.1	+0.9			
25.4	S.	I	20 55 27.41	27.39	+0.02				S.	- 9 23 20.4	21.6	+1.2			
26.4	L.	I	21 51 24.97	25.02	-0.05				S.	- 3 22 6.8	8.6	+1.8			
27.4	K.	I	22 45 6.45	6.31	+0.14				S.	+ 2 44 51.0	52.0	-1.0	15 54.7	56.7	-2.0
28.5	S.	I	23 37 26.35	26.36	-0.01				N.	+ 8 36 48.8	49.9	-1.1			
29.5	L.		0 29 21.64	21.71	-0.07	66.12	66.16	-0.04	N.	+13 55 4.5	5.9	-1.4			
30.5	K.	II	1 21 40.47	40.41	+0.06				N.						
Oct. 5.7	S.	II	5 54 19.74	19.66	+0.08				N.	+24 42 2.0	2.3	-0.3			
6.7	L.	II	6 47 39.86	39.59	+0.27				S.	+23 11 17.4	14.9	+2.5			
10.9	Br.	II	10 4 49.28	49.31	-0.03										
11.9	S.	II	10 52 15.60	15.52	+0.08										
19.2	S.	I	17 30 45.64	45.31	+0.33				S.	-23 30 2.5	2.2	-0.3			
20.2	L.	I	18 35 41.58	41.21	+0.37				S.	-16 15 45.3	42.3	-3.0			
22.3	Br.	I	20 37 16.02	16.01	+0.01				S.	-11 4 56.9	58.6	+1.7			
23.3	S.	I	21 33 1.37	1.31	+0.06				S.	- 5 21 32.4	34.0	+1.6			
24.3	L.	I	22 26 8.43	8.40	+0.03				S.	+ 6 23 18.7	16.4	+2.3			
26.4	S.	I	0 8 32.23	32.34	-0.11				S.	+11 48 32.5	30.5	+2.0			
27.4	L.	I	0 59 48.64	48.70	-0.06				N.	+16 33 29.1	29.6	-0.5			
28.5	K.	I	1 52 8.60	8.47	+0.13				N.	+23 6 31.8	32.2	-0.4			
30.5	S.	II	3 40 49.65	49.49	+0.16				N.						
31.6	K.	II	4 36 26.69	26.31	+0.38				N.	+24 34 46.8	45.4	+1.4			

MOON—Continued.															
Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
			h m s	s	s	s	s	s		° / "	"	"	' "	"	"
1898.															
Nov. 1.6	La.	II	5 31 47.28	47.48	-0.20				N.	+24 45 42.2	40.9	+1.3			
2.6	S.								S.	+23 42 13.9	12.3	+1.6			
3.7	L.	II	7 18 12.48	12.20	+0.28				S.	+21 31 25.6	22.8	+2.8			
4.7	K.	II	8 8 25.07	24.85	+0.22				S.	+18 22 31.7	29.3	+2.4			
6.8	S.	II	9 43 51.99	51.78	+0.21				S.	+9 49 28.8	28.5	+0.3			
8.8	S.	II	11 17 37.41	37.25	+0.16				S.	-0 41 6.5	7.2	+0.7			
19.2	B.	I	21 16 12.17	12.06	+0.11				S.	-12 30 22.0	21.0	-1.0			
20.3	S.	I	22 10 11.94	11.78	+0.16				S.	-6 54 4.2	6.2	+2.0			
21.3	K.	I	23 1 46.77	46.66	+0.11				S.	-1 3 25.4	28.0	+2.6			
24.4	Br.	I	1 33 26.34	26.14	+0.20				S.	+15 3 27.4	24.1	+3.3			
25.4	K.	I	2 25 52.04	51.86	+0.18				S.	+19 8 24.1	21.5	+2.6			
27.5	S.	I	4 14 56.02	55.89	+0.13	68.22	68.26	-0.04	N.	+24 7 7.1	6.8	+0.3			
30.6	S.	II	6 58 13.44	13.22	+0.22				S.	+22 20 45.9	42.9	+3.0			
Dec. 1.6	L.	II	7 49 12.00	11.82	+0.18				S.	+19 31 52.3	49.6	+2.7			
6.8	Br.	II	11 43 33.30	33.19	+0.11				S.	-3 50 36.5	36.9	+0.4			
7.8	S.	II	12 32 23.86	23.90	-0.04				S.	-9 12 59.8	60.9	+1.1			
8.8	K.	II	13 24 35.56	35.49	+0.07				S.	-14 20 22.5	22.9	+0.4			
9.9	B.	II	14 21 14.33	14.37	-0.04										
15.1	L.	I	19 52 25.41	25.19	+0.22										
16.1	K.	I	20 53 49.31	49.15	+0.16				S.	-14 27 53.5	51.5	-2.0			
17.2	B.	I	21 50 57.25	57.02	+0.23				S.	-8 50 31.6	33.1	+1.5			
18.2	S.	I	22 44 41.78	41.59	+0.19				S.	-2 52 53.9	55.5	+1.6			
23.4	K.	I	3 2 10.85	10.49	+0.36				S.	+21 23 57.7	55.0	+2.7			
24.4	B.	I	3 56 23.66	23.30	+0.36				S.	+23 39 28.1	25.8	+2.3			
25.4	S.	I	4 51 19.60	19.42	+0.18				S.	+24 42 10.2	8.1	+2.1	14 50.8	53.1	-2.3
26.5	Br.	I	5 46 5.38	5.09	+0.29				S.	+24 29 52.3	48.6	+3.7	14 48.3	48.8	-0.5
29.6	Ei.	II	8 21 5.10	4.88	+0.22										
1899.															
Jan. 6.8	La.	II	14 51 23.60	23.52	+0.08				S.	-20 48 26.3	25.2	-1.1			
7.9	Br.	II	15 53 39.96	40.23	-0.27										
18.2	S.	I	1 52 7.75	7.60	+0.15				S.	+16 41 34.9	32.4	+2.5			
19.3	L.	I	2 45 10.17	9.86	+0.31				S.	+20 24 58.1	55.2	+2.9			
20.3	K.	I	3 39 8.77	8.27	+0.50				S.	+23 2 49.1	46.4	+2.7			
21.4	Br.	I	4 33 45.99	45.60	+0.39				S.	+24 29 6.2	2.9	+3.3			
22.4	S.	I	5 28 23.20	22.78	+0.42				S.	+24 41 11.0	7.3	+3.7			
23.4	La.	I	6 22 11.29	10.92	+0.37				N.	+23 40 30.5	30.1	+0.4			
25.5	L.	I	8 4 47.38	47.13	+0.25				S.	+18 26 45.9	44.6	+1.3			
26.5	Br.	II	8 53 9.49	9.29	+0.20				S.	+14 32 59.2	57.4	+1.8			
Feb. 1.7	S.	II	13 34 44.53	44.63	-0.10				S.	-15 9 13.9	13.1	-0.8			
3.8	K.	II	15 26 40.82	40.71	+0.11				S.	-22 27 41.3	39.7	-1.6			
21.4	Br.	I	7 47 43.19	42.89	+0.30				N.	+19 32 13.4	13.4	0.0			
24.5	K.	I	10 10 23.46	23.17	+0.29				S.	+6 50 16.7	16.6	+0.1			
25.5	Ei.	II	10 56 12.98	12.92	+0.06				S.	+1 43 2.8	3.4	-0.6			
27.6	La.	II	12 29 49.25	49.23	+0.02				S.	-8 42 45.3	44.6	-0.7			
Mar. 5.8	Ei.	II	18 13 53.44	53.56	-0.12										
17.2	K.	I	4 47 49.59	49.09	+0.50				S.	+24 14 59.7	55.9	+3.8			
20.3	La.	I	7 28 50.25	49.86	+0.39										
23.4	Ei.	I	9 53 2.94	2.63	+0.31				N.	+8 35 17.4	17.8	-0.4			
24.4	K.	I	10 39 8.98	8.71	+0.27				N.	+3 35 55.6	56.4	-0.8			
29.6	S.	II	14 50 24.89	24.94	-0.05				S.	-20 12 21.4	20.9	-0.5			
Apr. 1.7	B.	II	17 54 3.36	3.59	-0.23				S.	-23 49 38.3	35.0	-3.3			
4.8	S.	II	20 56 39.91	40.22	-0.31				N.	-13 55 42.7	37.8	-4.9			
13.1	Ei.	I	4 22 36.69	36.28	+0.41										
16.2	S.	I	7 -7 52.71	52.16	+0.55				N.	+21 17 2.5	4.1	-1.6			
17.3	La.	I	7 58 34.15	33.80	+0.35				N.	+18 21 1.6	3.0	-1.4			
18.3	Ei.	I	8 47 5.70	5.23	+0.47				N.	+14 38 2.1	4.3	-2.2			
19.3	Sec.	I	9 33 59.79	59.36	+0.43				N.	+10 18 12.2	13.9	-1.7			
20.4	L.	I	10 20 1.69	1.34	+0.35				N.	+5 30 56.9	58.9	-2.0			
21.4	Br.	I	11 6 3.85	3.68	+0.17				N.	+0 25 47.4	47.6	-0.2			
22.4	B.	I	11 53 3.21	3.19	+0.02				N.	-4 46 54.6	52.9	-1.7			
23.4	S.	I	12 41 58.30	58.15	+0.15				N.	-9 54 32.7	31.0	-1.7			
24.5	La.	I	13 33 43.53	43.42	+0.11				S.	-14 41 34.9	35.7	+0.8			
26.5	Sec.	II	15 28 1.57	1.83	-0.26				S.	-21 56 25.7	26.0	+0.3			
27.6	L.								S.	-23 42 46.7	48.3	+1.6			
28.6	Br.	II	17 34 7.78	8.06	-0.28				S.	-23 53 56.0	57.1	+1.1			
29.7	B.	II	18 37 52.46	52.65	-0.19				N.	-22 25 57.8	55.1	-2.7			
30.7	S.	II	19 39 45.24	45.70	-0.46				N.	-19 26 34.5	30.8	-3.7			

M O O N—Continued.

1900 P.M.S.N.O.	Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
				h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
1899.	May 12.1	K.	I	5 51 18.46	18.13	+0.33										
	14.2	S.	I	7 37 47.29	46.95	+0.34				N.	+19 28 32.0	32.5	-0.5			
	15.2	La.	I	8 27 16.41	15.97	+0.44										
	20.4	B.	I	12 19 36.87	36.59	+0.28				N.	-7 45 10.4	9.6	-0.8			
	21.4	S.	I	13 9 43.05	42.90	+0.15				N.	-12 39 56.7	54.4	-2.3			
	23.5	Br.	I	15 1 14.79	14.86	-0.07					-20 42 21.8	21.0	-0.8	15 56.4	56.0	+0.4
	24.5	See.	I	16 3 11.00	11.09	-0.09	73.16	73.19	-0.03	S.	-23 6 18.8	18.8	0.0			
	25.5	L.	II	17 8 4.03	3.96	+0.07				S.	-23 57 25.3	24.6	-0.7			
	26.6	Ei.	II	18 13 50.43	50.58	-0.15					-23 4 47.0	45.1	-1.9	16 20.6	20.6	0.0
	27.6	La.	II	19 18 16.46	16.64	-0.18				N.	-20 31 35.4	33.5	-1.9			
	28.7	Br.	II	20 19 48.85	49.11	-0.26										
	29.7	B.	II	21 17 59.52	59.78	-0.26				N.	-11 35 8.1	4.0	-4.1			
	June 2.8	B.	II	0 51 15.68	15.75	-0.07				N.	+10 58 11.2	13.8	-2.6			

SIX-INCH TRANSIT CIRCLE.

June 14.2	See.	I	10 27 49.90	49.37	+0.53					N.	+4 22 45.3	47.9	-2.6			
16.3	Ei.	I	11 58 51.96	51.62	+0.34					N.	-5 38 22.3	18.4	-3.9			
18.3	S.	I	13 37 47.74	47.45	+0.29					N.	-15 9 43.4	40.0	-3.4			
19.4	La.	I	14 32 49.32	49.26	+0.06					N.	-19 8 4.6	5.7	+1.1			
20.4	Br.	I	15 32 22.92	22.98	-0.06					N.	-22 7 48.0	49.2	+1.2			
21.4	S.	I	16 36 6.64	6.52	+0.12					N.	-23 45 43.0	41.2	-1.8			
22.5	L.	I	17 42 29.48	29.18	+0.30					S.	-23 42 49.1	49.2	+0.1			
23.5	K.	II	18 49 10.44	10.49	-0.05					N.	-21 52 17.5	16.7	-0.8			
24.6	B.	II	19 53 55.17	55.37	-0.20					N.	-18 23 5.0	2.3	-2.7			
25.6	S.	II	20 55 24.92	25.21	-0.29					N.	-13 37 4.9	0.7	-4.2			
26.6	La.	II	21 53 29.87	30.03	-0.16					N.	-8 1 53.9	52.4	-1.5			
27.7	Ei.	II	22 48 48.44	48.62	-0.18					N.	-2 4 47.3	45.1	-2.2			
28.7	See.	II	23 42 22.40	22.57	-0.17					N.	+3 50 48.9	49.7	-0.8			
29.8	Br.	II	0 35 16.78	16.97	-0.19					N.	+9 25 18.7	21.3	-2.6			
30.8	K.	II	1 28 28.19	28.23	-0.04					N.	+14 22 28.6	32.1	-3.5			
July 2.9	La.	II	3 17 49.90	49.91	-0.01					N.	+21 31 22.8	24.2	-1.4			
11.1	Ei.	I	10 11 42.97	42.75	+0.22											
12.1	See.	I	10 56 29.84	29.44	+0.40											
18.3	Br.	I	16 4 27.24	27.06	+0.18					N.	-23 6 57.9	57.0	-0.9			
20.4	L.	I	18 14 54.64	54.55	+0.09					S.	-23 1 45.8	44.5	-1.3			
21.5	K.	I	19 21 8.05	8.09	-0.04					S.	-20 21 40.5	40.9	+0.4			
22.5	B.	II	20 25 21.55	21.65	-0.10											
27.7	L.	II	1 10 22.46	22.55	-0.09					N.	+12 40 35.6	38.6	-3.0			
28.7	K.	II	2 5 11.53	11.55	-0.02					N.	+17 10 3.8	5.0	-1.2			
Aug. 16.3	B.	I	17 43 2.17	1.90	+0.27					N.	-23 33 34.5	32.8	-1.7			
17.4	U.	I	18 47 48.35	48.17	+0.18					S.	-21 49 47.5	46.9	-0.6			
19.5	B.	I	20 54 39.91	39.77	+0.14					S.	-13 43 7.4	7.1	-0.3			
20.5	Br.	I	21 54 57.25	57.36	-0.11	70.31	70.47	-0.16		N.	-7 59 33.0	31.5	-1.5			
21.5	U.	II	22 53 14.17	14.32	-0.15					N.	-1 46 22.3	21.9	-0.4			
22.6	Br.	II	23 50 10.98	11.01	-0.03					N.	+4 27 12.9	13.4	-0.5			
23.6	B.	II	0 46 34.40	34.41	-0.01					N.	+10 15 13.7	15.7	-2.0			
24.6	U.	II	1 43 2.94	3.08	-0.14											
25.7	Br.	II	2 39 56.67	56.68	-0.01					N.	+19 15 2.5	4.2	-1.7			
31.9	Br.	II	8 7 38.81	38.75	+0.06											
Sept. 11.2	U.	I	16 18 5.78	5.61	+0.17											
12.2	Ei.	I	17 18 43.68	43.58	+0.10					N.	-23 32 5.5	2.7	-2.8			
13.3	B.	I	18 20 54.53	54.29	+0.24					S.	-22 31 47.5	47.8	+0.3			
14.3	U.	I	19 23 16.14	16.03	+0.11					S.	-19 58 55.4	55.2	-0.2			
15.4	L.	I	20 24 40.73	40.52	+0.21					S.	-16 0 58.7	59.8	+1.1			
16.4	B.	I	21 24 33.90	33.67	+0.23					S.	-10 54 21.4	21.7	+0.3			
17.4	S.	I	22 22 58.95	58.75	+0.20					S.	-5 1 47.5	49.9	+2.4			
18.5	U.	I	23 20 26.21	26.00	-0.21					N.	+1 10 7.8	8.0	-0.2			
21.6	U.	II	2 13 21.67	21.71	-0.04					N.	+17 19 38.5	39.0	-0.5			
22.6	L.	II	3 12 9.57	9.33	+0.24					N.	+20 43 10.8	11.2	-0.4			
23.7	B.	II	4 10 57.71	57.44	+0.27					N.	+22 46 8.6	7.7	+0.9			
24.7	S.	II	5 8 53.71	53.57	+0.14					N.	+23 26 41.5	39.5	+2.0			
26.8	Ei.	II	6 58 53.61	53.53	+0.08					S.	+21 3 8.4	5.1	+3.3			
27.8	S.	II	7 50 8.45	8.37	+0.08											
29.9	B.	II	9 25 59.39	59.23	+0.16											

M O O N—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
1899.															
Oct. 7.1	B.	I	15 3 26.75	26.73	+0.02	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
10.2	Br.	I	18 1 1.74	1.49	+0.25	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
12.3	L.	I	20 1 49.45	49.27	+0.18	. . .	. . .	. . .	S.	-17 24 34.4	33.8	-0.6	. . .	. . .	. . .
13.3	Ei.	I	21 0 12.68	12.54	+0.14	. . .	. . .	. . .	S.	-12 53 60.3	59.3	-1.0	. . .	. . .	. . .
14.3	B.	I	21 57 11.09	10.86	+0.23	. . .	. . .	. . .	S.	- 7 32 5.3	6.5	+1.2	. . .	. . .	. . .
18.5	U.	II	1 43 45.14	45.11	+0.03	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
19.5	L.	II	2 42 51.99	51.75	+0.24	. . .	. . .	. . .	N.	+19 3 23.4	22.5	+0.9	. . .	. . .	. . .
20.6	Ei.	II	3 42 46.01	45.76	+0.25	. . .	. . .	. . .	N.	+21 46 38.5	35.5	+3.0	. . .	. . .	. . .
21.6	B.	II	4 42 27.81	27.50	+0.31	. . .	. . .	. . .	N.	+23 5 23.9	22.2	+1.7	. . .	. . .	. . .
22.6	S.	II	5 40 45.62	45.48	+0.14	. . .	. . .	. . .	N.	+23 0 37.8	39.3	-1.5	. . .	. . .	. . .
25.8	U.	II	8 19 56.18	56.16	+0.02	. . .	. . .	. . .	S.	+16 1 40.5	36.3	+4.2	. . .	. . .	. . .
26.8	L.	II	9 7 45.86	45.64	+0.22	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
27.8	B.	II	9 53 54.33	54.20	+0.13	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
Nov. 7.2	Br.	I	18 43 46.70	46.49	+0.21	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
8.2	U.	I	19 43 55.25	55.03	+0.22	. . .	. . .	. . .	S.	-18 20 55.1	53.7	-1.4	. . .	. . .	. . .
9.2	L.	I	20 42 4.06	3.91	+0.15	. . .	. . .	. . .	S.	-14 12 43.2	43.2	0.0	. . .	. . .	. . .
10.3	B.	I	21 38 14.42	14.23	+0.19	. . .	. . .	. . .	S.	- 9 12 19.0	19.9	+0.9	. . .	. . .	. . .
12.3	S.	I	23 27 12.77	12.66	+0.11	. . .	. . .	. . .	S.	+ 2 7 25.2	23.2	+2.0	. . .	. . .	. . .
13.4	L.	I	0 21 49.28	49.17	+0.11	. . .	. . .	. . .	S.	+ 7 46 32.3	31.3	+1.0	. . .	. . .	. . .
14.4	Br.	I	1 17 37.94	37.84	+0.10	. . .	. . .	. . .	S.	+12 57 44.5	41.2	+3.3	. . .	. . .	. . .
18.6	U.	II	5 13 34.42	34.26	+0.16	. . .	. . .	. . .	N.	+23 6 46.5	46.2	+0.3	. . .	. . .	. . .
19.6	S.	II	6 11 22.50	22.27	+0.23	. . .	. . .	. . .	N.	+22 18 13.1	13.2	-0.1	. . .	. . .	. . .
20.6	La.	II	7 6 29.87	29.69	+0.18	. . .	. . .	. . .	S.	+20 18 41.8	40.5	+1.3	. . .	. . .	. . .
21.7	Br.	II	7 58 34.33	34.19	+0.14	. . .	. . .	. . .	S.	+17 21 39.3	38.0	+1.3	. . .	. . .	. . .
23.7	L.	II	9 34 44.54	44.33	+0.21	. . .	. . .	. . .	S.	+ 9 28 35.8	34.0	+1.8	. . .	. . .	. . .
24.8	B.	II	10 20 14.56	14.32	+0.24	. . .	. . .	. . .	S.	+ 4 55 14.2	10.8	+3.4	. . .	. . .	. . .
25.8	U.	II	11 5 13.22	13.11	+0.11	. . .	. . .	. . .	S.	+ 0 9 44.7	43.2	+1.5	. . .	. . .	. . .
26.8	S.	II	11 50 39.72	39.72	0.00	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
Dec. 5.1	Br.	I	19 23 33.44	33.39	+0.05	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
6.1	B.	I	20 23 43.36	43.21	+0.15	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
8.2	B.	I	22 16 41.11	40.95	+0.16	. . .	. . .	. . .	S.	- 5 15 37.3	40.6	+3.3	. . .	. . .	. . .
9.2	U.	I	23 10 39.18	39.00	+0.18	. . .	. . .	. . .	S.	+ 0 26 36.2	33.4	+2.8	. . .	. . .	. . .
12.4	Br.	I	1 53 47.54	47.48	+0.06	. . .	. . .	. . .	S.	+15 53 32.6	31.1	+1.5	. . .	. . .	. . .
13.4	U.	I	2 50 52.17	51.93	+0.24	. . .	. . .	. . .	S.	+19 30 44.6	40.9	+3.7	. . .	. . .	. . .
15.5	La.	I	4 48 17.25	16.82	+0.43	. . .	. . .	. . .	S.	+23 3 20.1	20.0	+0.1	. . .	. . .	. . .
16.5	U.	II	5 46 31.88	31.64	+0.24	. . .	. . .	. . .	S.	+22 48 22.5	21.6	+0.9	. . .	. . .	. . .
17.5	S.	II	6 42 51.65	51.55	+0.10	. . .	. . .	. . .	S.	+21 17 50.9	47.8	+3.1	. . .	. . .	. . .
18.6	La.	II	7 36 30.17	29.92	+0.25	. . .	. . .	. . .	S.	+18 42 63.0	58.8	+4.2	. . .	. . .	. . .
19.6	Br.	II	8 27 14.47	14.35	+0.12	. . .	. . .	. . .	S.	+15 17 46.0	44.6	+1.4	. . .	. . .	. . .
20.6	U.	. . .	. . .	. . .	. . .	. . .	. . .	. . .	S.	+11 15 48.7	46.1	+2.6	. . .	. . .	. . .
21.7	L.	II	10 1 32.25	32.11	+0.14	. . .	. . .	. . .	S.	+ 6 49 12.5	10.6	+1.9	. . .	. . .	. . .
22.7	B.	II	10 46 33.26	33.11	+0.15	. . .	. . .	. . .	S.	+ 2 8 16.9	17.0	-0.1	. . .	. . .	. . .
25.8	La.	II	13 4 17.89	17.82	+0.07	. . .	. . .	. . .	S.	-11 50 21.0	17.9	-3.1	. . .	. . .	. . .
26.8	Br.	II	13 54 25.16	25.22	-0.06	. . .	. . .	. . .	S.	-15 55 18.1	19.7	+1.6	. . .	. . .	. . .
28.9	B.	II	15 45 44.21	44.29	-0.08	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .

MERCURY.

1894.															
Nov. 10.0	L.	. . .	15 4 10.22	9.88	+0.34	0.35	0.34	+0.01	C.	-17 17 40.3	37.5	-2.8	. . .	. . .	. . .
23.9	L.	C.	14 44 29.67	29.40	+0.27	. . .	. . .	. . .	C.	13 18 33.7	32.8	-0.9	. . .	. . .	. . .
25.9	S.	C.	14 50 51.23	51.18	+0.05	. . .	. . .	. . .	C.	13 51 18.1	16.7	-1.4	. . .	. . .	. . .
Dec. 2.9	S.	C.	15 22 25.57	25.33	+0.24	. . .	. . .	. . .	C.	16 37 27.2	27.1	-0.1	. . .	. . .	. . .
4.9	K.	C.	15 33 9.52	9.54	-0.02	. . .	. . .	. . .	C.	17 30 23.8	22.3	-1.5	. . .	. . .	. . .
6.9	P.	C.	15 44 23.62	23.45	+0.17	. . .	. . .	. . .	C.	18 22 55.1	55.4	+0.3	. . .	. . .	. . .
14.0	P.	. . .	16 26 31.46	31.11	+0.35	. . .	. . .	. . .	C.	21 11 30.2	29.1	-1.1	. . .	. . .	. . .
15.0	L.	. . .	16 32 49.01	48.82	+0.19	0.16	0.18	-0.02	C.	21 32 36.2	36.1	-0.1	. . .	. . .	. . .
17.0	S.	C.	16 45 34.82	34.35	+0.47	. . .	. . .	. . .	C.	22 12 3.8	2.7	-1.1	. . .	. . .	. . .
20.0	P.	C.	17 5 6.06	5.61	+0.45	. . .	. . .	. . .	C.	23 3 38.6	39.0	+0.4	. . .	. . .	. . .
21.0	L.	C.	17 11 41.90	41.62	+0.28	. . .	. . .	. . .	C.	23 18 42.4	41.5	-0.9	. . .	. . .	. . .
22.0	P.	C.	17 18 20.61	20.24	+0.37	. . .	. . .	. . .	C.	23 32 36.6	36.0	-0.6	. . .	. . .	. . .
1895.															
Mar. 9.0	L.	C.	21 57 44.50	44.33	+0.17	. . .	. . .	. . .	C.	10 42 21.7	22.3	+0.6	. . .	. . .	. . .
18.9	P.	C.	22 15 5.09	4.91	+0.18	. . .	. . .	. . .	C.	11 25 31.8	32.9	+1.1	. . .	. . .	. . .
Apr. 2.9	P.	C.	23 19 31.13	30.99	+0.14	. . .	. . .	. . .	C.	6 53 44.6	46.2	+1.6	. . .	. . .	. . .
4.9	P.	C.	23 30 0.61	0.64	-0.03	. . .	. . .	. . .	C.	- 5 53 9.3	9.6	+0.3	. . .	. . .	. . .