

Astronomical Tables for the Year 1917.

Hector Observatory,
Wellington, N.Z., 1st December, 1916.

THE astronomical tables for the year 1917 are published for general information. They are interpolated from the British Admiralty Nautical Almanac. They give the New Zealand date, the sun's apparent right ascension, and the Greenwich mean time both at apparent noon for the meridian of the Hector Observatory and the Greenwich astronomical date.

By means of the auxiliary tables* the sun's apparent right ascension and the Greenwich mean time at apparent noon for any other meridian in New Zealand may be readily obtained, and the times of sunrise and sunset for any place in New Zealand may also be approximately determined.

The adopted position of the transit instrument at the Hector Observatory is longitude 11 h. 39 m. 4.27 s. (= 174° 46' 4") east of Greenwich, latitude 41° 17' 3.8" south, height 418 ft. above 1909 mean sea-level.

New Zealand Civil mean time is for the meridian 11 h. 30 m. east of Greenwich,† and is reckoned from midnight to midnight. Midnight is 0 h. or 24 h., and noon is 12 h. Hence to determine New Zealand Civil mean time at apparent noon it is necessary to subtract 30 m. from the Greenwich mean time given in the tables.

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* Published in *New Zealand Gazette*, 10th December, 1914.
† *New Zealand Gazette*, 31st October, 1868.

ASTRONOMICAL TABLES for the Year 1917, for the Meridian
of the Hector Observatory, Wellington, New Zealand.
Longitude 12 h. 20 m. 55.73 s. West of Greenwich.

AT APPARENT NOON.—1917.

N.Z. Day of the		The Sun's Apparent			Greenwich			Greenwich
Month.	Week.	Right Ascension.			Mean Time.			Astro- nomical Date.
JAN. 1	Mon.	18	43	42-05	12	24	16-43	1916. DEC. 31
	2	Tues.	48	7-11	24	44-86	1	JAN. 1
		Wed.	52	31-82	25	12-93	2	
		Thurs.	18	56 56-15	25	40-63	3	
		Fri.	19	1 20-08	26	7-93	4	
		Sat.	5	43-57	26	34-79	5	
	7	Sun.	10	6-60	27	1-19	6	
	8	Mon.	14	29-16		27-11	7	
	9	Tues.	18	51-21	27	52-53	8	
	10	Wed.	23	12-73	28	17-43	9	
	11	Thurs.	27	33-70	28	41-78	10	
	12	Fri.	31	54-10	29	5-55	11	
	13	Sat.	36	13-91		28-75	12	
14	Sun.	40	33-11	29	51-33	13		
15	Mon.	44	51-70	30	13-29	14		
16	Tues.	49	9-62		34-60	15		
17	Wed.	53	26-89	30	55-26	16		
18	Thurs.	19	57 43-48	31	15-23	17		
19	Fri.	20	1 59-37	31	34-52	18		
20	Sat.	6	14-54	31	53-09	19		
21	Sun.	10	29-00	32	10-92	20		
22	Mon.	14	42-70		28-03	21		
23	Tues.	18	55-63		44-36	22		
24	Wed.	23	7-79	32	59-92	23		
25	Thurs.	27	19-16	33	14-69	24		
26	Fri.	31	29-72		28-65	25		
27	Sat.	35	39-46		41-80	26		
28	Sun.	39	48-37	33	54-12	27		
29	Mon.	43	56-45	34	5-61	28		
30	Tues.	48	3-70		16-27	29		
31	Wed.	52	10-10		26-09	30		
FEB. 1	Thurs.	20	56 15-65		35-07	31		
2	Fri.	21	0 20-37		43-21	FEB. 1		
3	Sat.	4	24-26		50-52	2		
4	Sun.	8	27-30	34	56-99	3		
5	Mon.	12	29-53	35	2-64	4		
6	Tues.	16	30-92		7-47	5		
7	Wed.	20	31-50		11-48	6		
8	Thurs.	24	31-28		14-69	7		
9	Fri.	28	30-26		17-11	8		
10	Sat.	21	32 28-45	12	35 18-74	9		

AT APPARENT NOON.—1917.

N.Z. Day of the		The Sun's Apparent			Greenwich			Greenwich
Month.	Week.	Right Ascension.			Mean Time.			Astro- nomical Date.
FEB. 11	Sun.	21	36	25-86	12	35	19-59	FEB. 10
	12	Mon.		40 22-51			19-68	11
	13	Tues.		44 18-40			19-02	12
	14	Wed.		48 13-55			17-62	13
	15	Thurs.		52 7-98			15-49	14
	16	Fri.		56 1-67			12-65	15
	17	Sat.	21	59	54-67		9-10	16
	18	Sun.	22	3	46-97	35	4-86	17
	19	Mon.		7 38-59		34	59-94	18
	20	Tues.		11 29-53			54-35	19.
	21	Wed.		15 19-81			48-09	20
	22	Thurs.		19 9-44			41-18	21
	23	Fri.		22 58-43			33-64	22
	24	Sat.		26 46-78			25-45	23
	25	Sun.	30	34-52			16-66	24
	26	Mon.	34	21-64		34	7-26	25
	27	Tues.	38	8-17		33	57-26	26
28	Wed.	41	54-13			46-70	27	
MARCH. 1	Thurs.	45	39-53			35-57	28	
2	Fri.	49	24-39			23-90	MARCH. 1	
3	Sat.	53	8-72		33	11-72	2	
4	Sun.	22	56 52-56		32	59-03	3	
5	Mon.	23	0 35-91			45-86	4	
6	Tues.	4	18-80			32-25	5	
7	Wed.	8	1-26			18-18	6	
8	Thurs.	11	43-30		32	3-71	7	
9	Fri.	15	24-94		31	48-84	8	
10	Sat.	19	6-21			33-59	9	
11	Sun.	22	47-13			18-00	10	
12	Mon.	26	27-72		31	2-09	11	
13	Tues.	30	8-02		30	45-88	12	
14	Wed.	33	48-03			29-39	13	
15	Thurs.	37	27-79		30	12-64	14	
16	Fri.	41	7-32		29	55-65	15	
17	Sat.	44	46-63			38-46	16	
18	Sun.	48	25-76			21-08	17	
19	Mon.	52	4-71		29	3-53	18	
20	Tues.	55	43-51		28	45-83	19	
21	Wed.	23	59 22-18			27-99	20	
22	Thurs.	0	3 0-73		28	10-03	21	
23	Fri.	6	39-18		27	51-98	22	
24	Sat.	10	17-54			33-84	23	
25	Sun.	13	55-84		27	15-63	24	
26	Mon.	17	34-08		26	57-37	25	
27	Tues.	21	12-28			39-08	26	
28	Wed.	24	50-47			20-76	27	
29	Thurs.	28	28-65		26	2-44	28	
30	Fri.	32	6-86		25	44-14	29	
31	Sat.	35	45-10			25-88	30	
APRIL. 1	Sun.	39	23-40		25	7-68	31	
2	Mon.	43	1-78		24	49-56	APRIL. 1	
3	Tues.	46	40-26			31-53	2	
4	Wed.	50	18-85		24	13-62	3	
5	Thurs.	53	57-58		23	55-84	4	
6	Fri.	0	57 36-47			38-23	5	
7	Sat.	1	1 15-55			20-80	6	
8	Sun.	4	54-83		23	3-57	7	
9	Mon.	8	34-33		22	46-56	8	
10	Tues.	12	14-08			29-81	9	
11	Wed.	15	54-09		22	13-31	10	
12	Thurs.	19	34-40		21	57-11	11	
13	Fri.	23	15-01			41-20	12	
14	Sat.	26	55-94			25-63	13	
15	Sun.	30	37-22		21	10-40	14	
16	Mon.	34	18-87		20	55-54	15	
17	Tues.	38	0-89			41-04	16	
18	Wed.	41	43-30			26-94	17	
19	Thurs.	45	26-12		20	13-23	18	
20	Fri.	49	9-34		19	59-94	19	
21	Sat.	52	52-99			47-07	20	
22	Sun.	1	56 37-06			34-64	21	
23	Mon.	2	0 21-58			22-63	22	
24	Tues.	4	6-55			11-07	23	
25	Wed.	7	51-98		18	59-98	24	
26	Thurs.	11	37-87			49-34	25	
27	Fri.	15	24-23			39-18	26	
28	Sat.	2	19 11-07		12	18 29-49	27	