

2022 - October

Calendar for Mauna Kea - Hawai'i

2022 - October

Longitude: W 155 28
Latitude : N 19 50

Height: 4215m
Time Zone: -10h 00m

Zone Time = UT - 10h 00m

Date	J.D. at Oh UT 245	LMST at Oh UT h m s	Moon		Moon Transit Dec. Phase o ' o	Morning			Sun		Evening				
			Rise h m	Set h m		Astr. Twil. h m	Naut. Twil. h m	Civil Twil. h m	Rise h m	Set h m	Civil Twil. h m	Naut. Twil. h m	Astr. Twil. h m		
Sat	1	9853.5	14 16 58	11 45	23 09	-27 43	0.40	05 00	05 25	05 51	06 03	18 19	18 32	18 57	19 23
Sun	2	9854.5	14 20 55	12 48	-28 00	0.52	05 00	05 26	05 51	06 03	18 19	18 31	18 56	19 22
Mon	3	9855.5	14 24 51	13 48	00 12	-26 19	0.64	05 00	05 26	05 51	06 04	18 18	18 30	18 56	19 21
Tues	4	9856.5	14 28 48	14 42	01 17	-22 50	0.75	05 00	05 26	05 52	06 04	18 17	18 29	18 55	19 20
Wed	5	9857.5	14 32 44	15 31	02 21	-17 55	0.84	05 01	05 26	05 52	06 04	18 16	18 28	18 54	19 19
Thur	6	9858.5	14 36 41	16 14	03 24	-12 00	0.92	05 01	05 26	05 52	06 04	18 15	18 27	18 53	19 18
Fri	7	9859.5	14 40 37	16 54	04 24	-05 31	0.97	05 01	05 27	05 52	06 05	18 14	18 27	18 52	19 18
Sat	8	9860.5	14 44 34	17 32	05 22	+01 08	1.00	05 01	05 27	05 52	06 05	18 14	18 26	18 51	19 17
Sun	9	9861.5	14 48 30	18 08	06 18	05 02	05 27	05 53	06 05	18 13	18 25	18 51	19 16
Mon	10	9862.5	14 52 27	18 45	07 13	+07 35	1.00	05 02	05 27	05 53	06 05	18 12	18 24	18 50	19 15
Tues	11	9863.5	14 56 24	19 23	08 09	+13 32	0.97	05 02	05 28	05 53	06 06	18 11	18 23	18 49	19 15
Wed	12	9864.5	15 00 20	20 03	09 05	+18 42	0.92	05 02	05 28	05 54	06 06	18 10	18 23	18 48	19 14
Thur	13	9865.5	15 04 17	20 47	10 01	+22 50	0.86	05 03	05 28	05 54	06 06	18 10	18 22	18 47	19 13
Fri	14	9866.5	15 08 13	21 34	10 57	+25 45	0.78	05 03	05 29	05 54	06 06	18 09	18 21	18 47	19 12
Sat	15	9867.5	15 12 10	22 25	11 51	+27 19	0.69	05 03	05 29	05 54	06 07	18 08	18 20	18 46	19 12
Sun	16	9868.5	15 16 06	23 17	12 42	+27 30	0.60	05 03	05 29	05 55	06 07	18 07	18 20	18 45	19 11
Mon	17	9869.5	15 20 03	13 29	+26 18	0.50	05 04	05 29	05 55	06 07	18 07	18 19	18 45	19 10
Tues	18	9870.5	15 23 59	00 11	14 12	+23 50	0.41	05 04	05 30	05 55	06 08	18 06	18 18	18 44	19 10
Wed	19	9871.5	15 27 56	01 05	14 51	+20 14	0.31	05 04	05 30	05 56	06 08	18 05	18 18	18 43	19 09
Thur	20	9872.5	15 31 53	01 58	15 28	+15 40	0.22	05 05	05 30	05 56	06 08	18 04	18 17	18 43	19 08
Fri	21	9873.5	15 35 49	02 51	16 03	+10 18	0.14	05 05	05 31	05 56	06 09	18 04	18 16	18 42	19 08
Sat	22	9874.5	15 39 46	03 43	16 38	+04 21	0.08	05 05	05 31	05 57	06 09	18 03	18 16	18 41	19 07
Sun	23	9875.5	15 43 42	04 36	17 13	-01 57	0.03	05 06	05 31	05 57	06 10	18 03	18 15	18 41	19 07
Mon	24	9876.5	15 47 39	05 31	17 49	-08 22	0.00	05 06	05 32	05 57	06 10	18 02	18 14	18 40	19 06
Tues	25	9877.5	15 51 35	06 28	18 30	-14 33	0.00	05 06	05 32	05 58	06 10	18 01	18 14	18 40	19 05
Wed	26	9878.5	15 55 32	07 28	19 15	-20 04	0.03	05 06	05 32	05 58	06 11	18 01	18 13	18 39	19 05
Thur	27	9879.5	15 59 28	08 31	20 05	-24 29	0.08	05 07	05 33	05 59	06 11	18 00	18 13	18 39	19 04
Fri	28	9880.5	16 03 25	09 37	21 03	-27 18	0.16	05 07	05 33	05 59	06 11	18 00	18 12	18 38	19 04
Sat	29	9881.5	16 07 22	10 42	22 05	-28 13	0.26	05 07	05 33	05 59	06 12	17 59	18 12	18 38	19 03
Sun	30	9882.5	16 11 18	11 44	23 10	-27 06	0.37	05 08	05 34	06 00	06 12	17 58	18 11	18 37	19 03
Mon	31	9883.5	16 15 15	12 40	-24 08	0.49	05 08	05 34	06 00	06 13	17 58	18 11	18 37	19 03