

2022 - July

Calendar for Mauna Kea - Hawai'i

2022 - July

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	
Fri 1	9761.5	08 14 15	07 47	21 41	+22 04	0.08	04 23	04 53	05 22	05 36	19 16	19 30	19 59	20 29
Sat 2	9762.5	08 18 12	08 40	22 19	+18 09	0.14	04 23	04 53	05 22	05 36	19 16	19 30	19 59	20 29
Sun 3	9763.5	08 22 08	09 32	22 55	+13 24	0.21	04 24	04 54	05 23	05 36	19 16	19 30	19 59	20 29
Mon 4	9764.5	08 26 05	10 24	23 29	+07 59	0.30	04 24	04 54	05 23	05 37	19 16	19 30	19 59	20 29
Tues 5	9765.5	08 30 01	11 16	+02 06	0.40	04 25	04 55	05 23	05 37	19 16	19 30	19 59	20 28
Wed 6	9766.5	08 33 58	12 08	00 03	-04 03	0.51	04 25	04 55	05 24	05 37	19 16	19 30	19 58	20 28
Thur 7	9767.5	08 37 54	13 02	00 38	-10 13	0.62	04 25	04 55	05 24	05 38	19 16	19 29	19 58	20 28
Fri 8	9768.5	08 41 51	14 00	01 16	-16 06	0.73	04 26	04 56	05 25	05 38	19 16	19 29	19 58	20 28
Sat 9	9769.5	08 45 47	15 02	01 58	-21 17	0.83	04 26	04 56	05 25	05 39	19 16	19 29	19 58	20 28
Sun 10	9770.5	08 49 44	16 08	02 46	-25 13	0.91	04 27	04 57	05 25	05 39	19 16	19 29	19 58	20 28
Mon 11	9771.5	08 53 41	17 17	03 41	-27 23	0.97	04 27	04 57	05 26	05 39	19 16	19 29	19 58	20 27
Tues 12	9772.5	08 57 37	18 25	04 44	04 28	04 57	05 26	05 40	19 15	19 29	19 58	20 27
Wed 13	9773.5	09 01 34	19 28	05 53	-27 21	1.00	04 28	04 58	05 27	05 40	19 15	19 29	19 57	20 27
Thur 14	9774.5	09 05 30	20 24	07 02	-25 07	0.99	04 29	04 58	05 27	05 40	19 15	19 29	19 57	20 27
Fri 15	9775.5	09 09 27	21 13	08 10	-21 00	0.95	04 29	04 59	05 27	05 41	19 15	19 28	19 57	20 26
Sat 16	9776.5	09 13 23	21 56	09 14	-15 35	0.89	04 30	04 59	05 28	05 41	19 15	19 28	19 57	20 26
Sun 17	9777.5	09 17 20	22 35	10 13	-09 26	0.80	04 30	05 00	05 28	05 42	19 14	19 28	19 56	20 26
Mon 18	9778.5	09 21 16	23 11	11 09	-03 02	0.70	04 31	05 00	05 29	05 42	19 14	19 28	19 56	20 25
Tues 19	9779.5	09 25 13	23 46	12 03	+03 16	0.60	04 31	05 01	05 29	05 42	19 14	19 27	19 56	20 25
Wed 20	9780.5	09 29 10	12 55	+09 12	0.49	04 32	05 01	05 29	05 43	19 14	19 27	19 55	20 24
Thur 21	9781.5	09 33 06	00 21	13 48	+14 35	0.39	04 32	05 01	05 30	05 43	19 13	19 27	19 55	20 24
Fri 22	9782.5	09 37 03	00 58	14 41	+19 12	0.29	04 33	05 02	05 30	05 44	19 13	19 26	19 55	20 24
Sat 23	9783.5	09 40 59	01 37	15 35	+22 54	0.21	04 33	05 02	05 31	05 44	19 13	19 26	19 54	20 23
Sun 24	9784.5	09 44 56	02 20	16 28	+25 30	0.13	04 34	05 03	05 31	05 44	19 12	19 26	19 54	20 23
Mon 25	9785.5	09 48 52	03 06	17 20	+26 52	0.08	04 35	05 03	05 31	05 45	19 12	19 25	19 53	20 22
Tues 26	9786.5	09 52 49	03 56	18 10	+26 54	0.03	04 35	05 04	05 32	05 45	19 12	19 25	19 53	20 21
Wed 27	9787.5	09 56 45	04 49	18 57	+25 36	0.01	04 36	05 04	05 32	05 45	19 11	19 24	19 52	20 21
Thur 28	9788.5	10 00 42	05 42	19 40	+23 03	0.00	04 36	05 05	05 33	05 46	19 11	19 24	19 52	20 20
Fri 29	9789.5	10 04 39	06 36	20 20	+19 23	0.02	04 37	05 05	05 33	05 46	19 10	19 23	19 51	20 20
Sat 30	9790.5	10 08 35	07 29	20 56	+14 49	0.05	04 37	05 06	05 33	05 47	19 10	19 23	19 51	20 19
Sun 31	9791.5	10 12 32	08 21	21 31	+09 32	0.10	04 38	05 06	05 34	05 47	19 09	19 22	19 50	20 18