

2022 - September

Calendar for Mauna Kea - Hawai'i

2022 - September

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	
Thur 1	9823.5	12 18 41	10 44	22 35	-18 13	0.32	04 52	05 18	05 44	05 57	18 47	18 59	19 25	19 51
Fri 2	9824.5	12 22 38	11 44	23 22	-22 51	0.43	04 52	05 18	05 44	05 57	18 46	18 58	19 24	19 50
Sat 3	9825.5	12 26 35	12 47	-26 11	0.55	04 52	05 19	05 45	05 57	18 45	18 57	19 23	19 49
Sun 4	9826.5	12 30 31	13 52	00 16	-27 50	0.67	04 53	05 19	05 45	05 57	18 44	18 56	19 22	19 48
Mon 5	9827.5	12 34 28	14 55	01 16	-27 29	0.78	04 53	05 19	05 45	05 57	18 43	18 55	19 21	19 48
Tues 6	9828.5	12 38 24	15 55	02 21	-25 07	0.87	04 53	05 19	05 45	05 58	18 42	18 55	19 20	19 47
Wed 7	9829.5	12 42 21	16 49	03 28	-20 58	0.94	04 54	05 20	05 46	05 58	18 41	18 54	19 19	19 46
Thur 8	9830.5	12 46 17	17 37	04 34	-15 29	0.98	04 54	05 20	05 46	05 58	18 40	18 53	19 19	19 45
Fri 9	9831.5	12 50 14	18 20	05 37	04 54	05 20	05 46	05 58	18 39	18 52	19 18	19 44
Sat 10	9832.5	12 54 10	18 59	06 38	-09 09	1.00	04 54	05 20	05 46	05 59	18 39	18 51	19 17	19 43
Sun 11	9833.5	12 58 07	19 37	07 36	-02 28	0.98	04 55	05 21	05 46	05 59	18 38	18 50	19 16	19 42
Mon 12	9834.5	13 02 04	20 13	08 32	+04 09	0.94	04 55	05 21	05 47	05 59	18 37	18 49	19 15	19 41
Tues 13	9835.5	13 06 00	20 50	09 27	+10 22	0.88	04 55	05 21	05 47	05 59	18 36	18 48	19 14	19 40
Wed 14	9836.5	13 09 57	21 29	10 23	+15 55	0.81	04 56	05 21	05 47	05 59	18 35	18 47	19 13	19 39
Thur 15	9837.5	13 13 53	22 10	11 18	+20 33	0.72	04 56	05 22	05 47	06 00	18 34	18 46	19 12	19 38
Fri 16	9838.5	13 17 50	22 55	12 13	+24 07	0.62	04 56	05 22	05 48	06 00	18 33	18 45	19 11	19 37
Sat 17	9839.5	13 21 46	23 43	13 07	+26 26	0.52	04 56	05 22	05 48	06 00	18 32	18 44	19 10	19 36
Sun 18	9840.5	13 25 43	14 00	+27 24	0.43	04 57	05 22	05 48	06 00	18 31	18 43	19 09	19 35
Mon 19	9841.5	13 29 39	00 34	14 49	+27 01	0.33	04 57	05 23	05 48	06 00	18 30	18 43	19 08	19 34
Tues 20	9842.5	13 33 36	01 27	15 34	+25 17	0.24	04 57	05 23	05 48	06 01	18 29	18 42	19 07	19 33
Wed 21	9843.5	13 37 33	02 21	16 16	+22 20	0.16	04 57	05 23	05 49	06 01	18 28	18 41	19 06	19 32
Thur 22	9844.5	13 41 29	03 15	16 55	+18 17	0.10	04 58	05 23	05 49	06 01	18 28	18 40	19 05	19 31
Fri 23	9845.5	13 45 26	04 09	17 31	+13 20	0.05	04 58	05 23	05 49	06 01	18 27	18 39	19 04	19 30
Sat 24	9846.5	13 49 22	05 01	18 06	+07 42	0.01	04 58	05 24	05 49	06 01	18 26	18 38	19 03	19 29
Sun 25	9847.5	13 53 19	05 54	18 40	+01 36	0.00	04 58	05 24	05 49	06 02	18 25	18 37	19 03	19 28
Mon 26	9848.5	13 57 15	06 47	19 16	-04 42	0.01	04 59	05 24	05 50	06 02	18 24	18 36	19 02	19 27
Tues 27	9849.5	14 01 12	07 42	19 53	-10 56	0.05	04 59	05 24	05 50	06 02	18 23	18 35	19 01	19 26
Wed 28	9850.5	14 05 08	08 39	20 34	-16 45	0.11	04 59	05 25	05 50	06 02	18 22	18 34	19 00	19 25
Thur 29	9851.5	14 09 05	09 38	21 20	-21 45	0.19	04 59	05 25	05 50	06 03	18 21	18 33	18 59	19 24
Fri 30	9852.5	14 13 01	10 41	22 11	-25 33	0.29	05 00	05 25	05 51	06 03	18 20	18 33	18 58	19 24