

2002 - March

Calendar for Mauna Kea - Hawai'i

2002 - March

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	Set		Astr. Twil.	Naut. Twil.	Civil Twil.	Rise	Set	Civil Twil.	Naut. Twil.	Astr. Twil.	
			h m	h m		h m	h m	h m	h m	h m	h m	h m	h m	h m
Fri 1	2334.5	00 12 38	21 11	08 54	-00 24	0.93	05 28	05 54	06 19	06 32	18 37	18 49	19 15	19 40
Sat 2	2335.5	00 16 35	22 12	09 37	-06 49	0.85	05 28	05 53	06 19	06 31	18 37	18 50	19 15	19 41
Sun 3	2336.5	00 20 31	23 12	10 21	-12 40	0.76	05 27	05 52	06 18	06 30	18 38	18 50	19 15	19 41
Mon 4	2337.5	00 24 28	11 06	-17 38	0.65	05 26	05 52	06 17	06 29	18 38	18 50	19 16	19 41
Tues 5	2338.5	00 28 24	00 12	11 54	-21 27	0.54	05 25	05 51	06 16	06 29	18 38	18 51	19 16	19 42
Wed 6	2339.5	00 32 21	01 10	12 44	-23 57	0.43	05 25	05 50	06 16	06 28	18 39	18 51	19 16	19 42
Thur 7	2340.5	00 36 17	02 06	13 36	-25 05	0.33	05 24	05 49	06 15	06 27	18 39	18 51	19 17	19 42
Fri 8	2341.5	00 40 14	02 59	14 29	-24 50	0.24	05 23	05 48	06 14	06 26	18 39	18 51	19 17	19 43
Sat 9	2342.5	00 44 10	03 48	15 22	-23 20	0.16	05 22	05 48	06 13	06 25	18 40	18 52	19 17	19 43
Sun 10	2343.5	00 48 07	04 33	16 14	-20 44	0.09	05 21	05 47	06 12	06 25	18 40	18 52	19 18	19 43
Mon 11	2344.5	00 52 04	05 14	17 05	-17 13	0.04	05 21	05 46	06 12	06 24	18 40	18 52	19 18	19 43
Tues 12	2345.5	00 56 00	05 52	17 55	-13 01	0.01	05 20	05 45	06 11	06 23	18 40	18 53	19 18	19 44
Wed 13	2346.5	00 59 57	06 27	18 43	-08 20	0.00	05 19	05 44	06 10	06 22	18 41	18 53	19 18	19 44
Thur 14	2347.5	01 03 53	07 01	19 31	-03 19	0.01	05 18	05 44	06 09	06 21	18 41	18 53	19 19	19 44
Fri 15	2348.5	01 07 50	07 33	20 19	+01 49	0.03	05 17	05 43	06 08	06 20	18 41	18 54	19 19	19 45
Sat 16	2349.5	01 11 46	08 06	21 08	+06 54	0.08	05 16	05 42	06 07	06 20	18 42	18 54	19 19	19 45
Sun 17	2350.5	01 15 43	08 41	21 58	+11 46	0.14	05 15	05 41	06 06	06 19	18 42	18 54	19 20	19 45
Mon 18	2351.5	01 19 39	09 17	22 50	+16 12	0.21	05 15	05 40	06 06	06 18	18 42	18 54	19 20	19 46
Tues 19	2352.5	01 23 36	09 57	23 45	+19 58	0.30	05 14	05 39	06 05	06 17	18 42	18 55	19 20	19 46
Wed 20	2353.5	01 27 33	10 42	+22 49	0.40	05 13	05 38	06 04	06 16	18 43	18 55	19 20	19 46
Thur 21	2354.5	01 31 29	11 31	00 41	+24 28	0.51	05 12	05 37	06 03	06 15	18 43	18 55	19 21	19 46
Fri 22	2355.5	01 35 26	12 27	01 39	+24 38	0.62	05 11	05 37	06 02	06 14	18 43	18 55	19 21	19 47
Sat 23	2356.5	01 39 22	13 27	02 36	+23 10	0.73	05 10	05 36	06 01	06 14	18 44	18 56	19 21	19 47
Sun 24	2357.5	01 43 19	14 31	03 31	+20 03	0.83	05 09	05 35	06 00	06 13	18 44	18 56	19 22	19 47
Mon 25	2358.5	01 47 15	15 37	04 23	+15 25	0.91	05 08	05 34	06 00	06 12	18 44	18 56	19 22	19 48
Tues 26	2359.5	01 51 12	16 42	05 12	+09 39	0.97	05 07	05 33	05 59	06 11	18 44	18 57	19 22	19 48
Wed 27	2360.5	01 55 08	17 46	05 58	05 06	05 32	05 58	06 10	18 45	18 57	19 23	19 48
Thur 28	2361.5	01 59 05	18 50	06 42	+03 09	1.00	05 05	05 31	05 57	06 09	18 45	18 57	19 23	19 49
Fri 29	2362.5	02 03 02	19 53	07 26	-03 34	0.99	05 04	05 30	05 56	06 08	18 45	18 57	19 23	19 49
Sat 30	2363.5	02 06 58	20 56	08 10	-09 58	0.95	05 04	05 29	05 55	06 07	18 45	18 58	19 23	19 49
Sun 31	2364.5	02 10 55	21 58	08 56	-15 38	0.89	05 03	05 28	05 54	06 07	18 46	18 58	19 24	19 50