

2019 - June

Calendar for Mauna Kea - Hawai'i

2019 - June

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	8635.5	06 14 53	04 22	17 49	+13 57	0.03	04 20	04 49	05 18	05 31	19 08	19 22	19 50	20 20
Sun	2	8636.5	06 18 50	05 06	18 48	+17 47	0.00	04 19	04 49	05 18	05 31	19 09	19 22	19 51	20 21
Mon	3	8637.5	06 22 46	05 55	19 48	+20 38	0.00	04 19	04 49	05 18	05 31	19 09	19 22	19 51	20 21
Tues	4	8638.5	06 26 43	06 49	20 49	+22 11	0.03	04 19	04 49	05 18	05 31	19 09	19 23	19 52	20 22
Wed	5	8639.5	06 30 40	07 47	21 48	+22 14	0.09	04 19	04 49	05 18	05 31	19 10	19 23	19 52	20 22
Thur	6	8640.5	06 34 36	08 49	22 44	+20 42	0.16	04 19	04 49	05 18	05 31	19 10	19 24	19 53	20 23
Fri	7	8641.5	06 38 33	09 52	23 35	+17 44	0.26	04 19	04 49	05 18	05 31	19 10	19 24	19 53	20 23
Sat	8	8642.5	06 42 29	10 54	+13 36	0.37	04 19	04 49	05 18	05 31	19 11	19 24	19 53	20 23
Sun	9	8643.5	06 46 26	11 55	00 22	+08 38	0.49	04 19	04 49	05 18	05 31	19 11	19 25	19 54	20 24
Mon	10	8644.5	06 50 22	12 54	01 06	+03 13	0.61	04 19	04 49	05 18	05 31	19 11	19 25	19 54	20 24
Tues	11	8645.5	06 54 19	13 52	01 48	-02 21	0.72	04 19	04 49	05 18	05 31	19 12	19 25	19 55	20 25
Wed	12	8646.5	06 58 15	14 49	02 30	-07 45	0.82	04 19	04 49	05 18	05 32	19 12	19 26	19 55	20 25
Thur	13	8647.5	07 02 12	15 46	03 11	-12 40	0.90	04 19	04 49	05 18	05 32	19 12	19 26	19 55	20 25
Fri	14	8648.5	07 06 09	16 43	03 54	-16 52	0.96	04 19	04 49	05 18	05 32	19 13	19 26	19 56	20 26
Sat	15	8649.5	07 10 05	17 40	04 39	-20 05	0.99	04 19	04 49	05 18	05 32	19 13	19 27	19 56	20 26
Sun	16	8650.5	07 14 02	18 37	05 26	04 19	04 49	05 18	05 32	19 13	19 27	19 56	20 26
Mon	17	8651.5	07 17 58	19 31	06 16	-22 09	1.00	04 19	04 49	05 18	05 32	19 14	19 27	19 56	20 27
Tues	18	8652.5	07 21 55	20 23	07 08	-22 59	0.99	04 19	04 49	05 19	05 32	19 14	19 28	19 57	20 27
Wed	19	8653.5	07 25 51	21 12	08 01	-22 34	0.95	04 19	04 50	05 19	05 33	19 14	19 28	19 57	20 27
Thur	20	8654.5	07 29 48	21 56	08 53	-21 02	0.90	04 20	04 50	05 19	05 33	19 14	19 28	19 57	20 27
Fri	21	8655.5	07 33 45	22 37	09 44	-18 31	0.83	04 20	04 50	05 19	05 33	19 14	19 28	19 57	20 28
Sat	22	8656.5	07 37 41	23 15	10 34	-15 13	0.75	04 20	04 50	05 19	05 33	19 15	19 28	19 58	20 28
Sun	23	8657.5	07 41 38	23 51	11 24	-11 19	0.67	04 20	04 50	05 20	05 33	19 15	19 29	19 58	20 28
Mon	24	8658.5	07 45 34	12 12	-06 57	0.57	04 21	04 51	05 20	05 34	19 15	19 29	19 58	20 28
Tues	25	8659.5	07 49 31	00 26	13 01	-02 18	0.47	04 21	04 51	05 20	05 34	19 15	19 29	19 58	20 28
Wed	26	8660.5	07 53 27	01 01	13 50	+02 31	0.37	04 21	04 51	05 20	05 34	19 15	19 29	19 58	20 28
Thur	27	8661.5	07 57 24	01 37	14 42	+07 19	0.28	04 21	04 52	05 21	05 34	19 15	19 29	19 58	20 28
Fri	28	8662.5	08 01 20	02 16	15 36	+11 55	0.19	04 22	04 52	05 21	05 35	19 16	19 29	19 58	20 29
Sat	29	8663.5	08 05 17	02 57	16 32	+16 03	0.11	04 22	04 52	05 21	05 35	19 16	19 29	19 58	20 29
Sun	30	8664.5	08 09 13	03 44	17 32	+19 25	0.05	04 22	04 53	05 22	05 35	19 16	19 29	19 59	20 29