

2004 - June

Calendar for Mauna Kea - Hawai'i

2004 - 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 | |
| Tues 1 | 3157.5 | 06 17 23 | 17 39 | 04 28 | -22 48 | 0.99 | 04 19 | 04 49 | 05 18 | 05 31 | 19 08 | 19 22 | 19 51 | 20 20 |
| Wed 2 | 3158.5 | 06 21 20 | 18 49 | 05 20 | | | 04 19 | 04 49 | 05 18 | 05 31 | 19 09 | 19 22 | 19 51 | 20 21 |
| Thur 3 | 3159.5 | 06 25 16 | 19 59 | 06 19 | -26 34 | 1.00 | 04 19 | 04 49 | 05 18 | 05 31 | 19 09 | 19 23 | 19 52 | 20 21 |
| Fri 4 | 3160.5 | 06 29 13 | 21 06 | 07 24 | -28 15 | 0.97 | 04 19 | 04 49 | 05 18 | 05 31 | 19 09 | 19 23 | 19 52 | 20 22 |
| Sat 5 | 3161.5 | 06 33 10 | 22 06 | 08 32 | -27 38 | 0.92 | 04 19 | 04 49 | 05 18 | 05 31 | 19 10 | 19 23 | 19 52 | 20 22 |
| Sun 6 | 3162.5 | 06 37 06 | 22 58 | 09 40 | -24 55 | 0.83 | 04 19 | 04 49 | 05 18 | 05 31 | 19 10 | 19 24 | 19 53 | 20 23 |
| Mon 7 | 3163.5 | 06 41 03 | 23 43 | 10 43 | -20 37 | 0.73 | 04 19 | 04 49 | 05 18 | 05 31 | 19 11 | 19 24 | 19 53 | 20 23 |
| Tues 8 | 3164.5 | 06 44 59 | | 11 43 | -15 14 | 0.63 | 04 19 | 04 49 | 05 18 | 05 31 | 19 11 | 19 25 | 19 54 | 20 24 |
| Wed 9 | 3165.5 | 06 48 56 | 00 23 | 12 38 | -09 17 | 0.52 | 04 19 | 04 49 | 05 18 | 05 31 | 19 11 | 19 25 | 19 54 | 20 24 |
| Thur 10 | 3166.5 | 06 52 52 | 00 58 | 13 31 | -03 07 | 0.41 | 04 19 | 04 49 | 05 18 | 05 31 | 19 12 | 19 25 | 19 54 | 20 24 |
| Fri 11 | 3167.5 | 06 56 49 | 01 32 | 14 22 | +03 00 | 0.31 | 04 19 | 04 49 | 05 18 | 05 31 | 19 12 | 19 26 | 19 55 | 20 25 |
| Sat 12 | 3168.5 | 07 00 46 | 02 05 | 15 12 | +08 51 | 0.22 | 04 19 | 04 49 | 05 18 | 05 32 | 19 12 | 19 26 | 19 55 | 20 25 |
| Sun 13 | 3169.5 | 07 04 42 | 02 38 | 16 03 | +14 14 | 0.14 | 04 19 | 04 49 | 05 18 | 05 32 | 19 13 | 19 26 | 19 55 | 20 26 |
| Mon 14 | 3170.5 | 07 08 39 | 03 14 | 16 55 | +18 59 | 0.08 | 04 19 | 04 49 | 05 18 | 05 32 | 19 13 | 19 27 | 19 56 | 20 26 |
| Tues 15 | 3171.5 | 07 12 35 | 03 52 | 17 49 | +22 52 | 0.04 | 04 19 | 04 49 | 05 18 | 05 32 | 19 13 | 19 27 | 19 56 | 20 26 |
| Wed 16 | 3172.5 | 07 16 32 | 04 33 | 18 42 | +25 43 | 0.01 | 04 19 | 04 49 | 05 18 | 05 32 | 19 13 | 19 27 | 19 56 | 20 26 |
| Thur 17 | 3173.5 | 07 20 28 | 05 19 | 19 35 | +27 20 | 0.00 | 04 19 | 04 49 | 05 18 | 05 32 | 19 14 | 19 27 | 19 57 | 20 27 |
| Fri 18 | 3174.5 | 07 24 25 | 06 09 | 20 26 | +27 35 | 0.01 | 04 19 | 04 49 | 05 19 | 05 32 | 19 14 | 19 28 | 19 57 | 20 27 |
| Sat 19 | 3175.5 | 07 28 21 | 07 01 | 21 14 | +26 28 | 0.04 | 04 19 | 04 50 | 05 19 | 05 33 | 19 14 | 19 28 | 19 57 | 20 27 |
| Sun 20 | 3176.5 | 07 32 18 | 07 56 | 21 57 | +24 02 | 0.09 | 04 20 | 04 50 | 05 19 | 05 33 | 19 14 | 19 28 | 19 57 | 20 27 |
| Mon 21 | 3177.5 | 07 36 15 | 08 50 | 22 38 | +20 25 | 0.16 | 04 20 | 04 50 | 05 19 | 05 33 | 19 15 | 19 28 | 19 57 | 20 28 |
| Tues 22 | 3178.5 | 07 40 11 | 09 44 | 23 15 | +15 49 | 0.24 | 04 20 | 04 50 | 05 20 | 05 33 | 19 15 | 19 28 | 19 58 | 20 28 |
| Wed 23 | 3179.5 | 07 44 08 | 10 37 | 23 50 | +10 26 | 0.33 | 04 20 | 04 51 | 05 20 | 05 33 | 19 15 | 19 29 | 19 58 | 20 28 |
| Thur 24 | 3180.5 | 07 48 04 | 11 29 | | +04 27 | 0.43 | 04 21 | 04 51 | 05 20 | 05 34 | 19 15 | 19 29 | 19 58 | 20 28 |
| Fri 25 | 3181.5 | 07 52 01 | 12 23 | 00 24 | -01 54 | 0.54 | 04 21 | 04 51 | 05 20 | 05 34 | 19 15 | 19 29 | 19 58 | 20 28 |
| Sat 26 | 3182.5 | 07 55 57 | 13 18 | 00 59 | -08 24 | 0.65 | 04 21 | 04 51 | 05 21 | 05 34 | 19 15 | 19 29 | 19 58 | 20 28 |
| Sun 27 | 3183.5 | 07 59 54 | 14 16 | 01 37 | -14 42 | 0.76 | 04 22 | 04 52 | 05 21 | 05 35 | 19 16 | 19 29 | 19 58 | 20 28 |
| Mon 28 | 3184.5 | 08 03 50 | 15 18 | 02 18 | -20 23 | 0.86 | 04 22 | 04 52 | 05 21 | 05 35 | 19 16 | 19 29 | 19 58 | 20 29 |
| Tues 29 | 3185.5 | 08 07 47 | 16 24 | 03 05 | -24 54 | 0.93 | 04 22 | 04 52 | 05 21 | 05 35 | 19 16 | 19 29 | 19 58 | 20 29 |
| Wed 30 | 3186.5 | 08 11 44 | 17 34 | 03 59 | -27 39 | 0.98 | 04 23 | 04 53 | 05 22 | 05 35 | 19 16 | 19 29 | 19 59 | 20 29 |