

2022 - August

Calendar for Mauna Kea - Hawai'i

2022 - August

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 | |
| Mon 1 | 9792.5 | 10 16 28 | 09 12 | 22 05 | +03 46 | 0.17 | 04 38 | 05 07 | 05 34 | 05 47 | 19 09 | 19 22 | 19 50 | 20 18 |
| Tues 2 | 9793.5 | 10 20 25 | 10 04 | 22 39 | -02 16 | 0.26 | 04 39 | 05 07 | 05 35 | 05 48 | 19 08 | 19 21 | 19 49 | 20 17 |
| Wed 3 | 9794.5 | 10 24 21 | 10 56 | 23 15 | -08 22 | 0.36 | 04 39 | 05 07 | 05 35 | 05 48 | 19 08 | 19 21 | 19 48 | 20 16 |
| Thur 4 | 9795.5 | 10 28 18 | 11 51 | 23 54 | -14 14 | 0.47 | 04 40 | 05 08 | 05 35 | 05 48 | 19 07 | 19 20 | 19 48 | 20 16 |
| Fri 5 | 9796.5 | 10 32 14 | 12 50 | | -19 33 | 0.58 | 04 40 | 05 08 | 05 36 | 05 49 | 19 07 | 19 20 | 19 47 | 20 15 |
| Sat 6 | 9797.5 | 10 36 11 | 13 52 | 00 38 | -23 54 | 0.69 | 04 41 | 05 09 | 05 36 | 05 49 | 19 06 | 19 19 | 19 46 | 20 14 |
| Sun 7 | 9798.5 | 10 40 08 | 14 58 | 01 28 | -26 47 | 0.80 | 04 41 | 05 09 | 05 37 | 05 49 | 19 06 | 19 18 | 19 46 | 20 14 |
| Mon 8 | 9799.5 | 10 44 04 | 16 04 | 02 26 | -27 45 | 0.89 | 04 42 | 05 10 | 05 37 | 05 50 | 19 05 | 19 18 | 19 45 | 20 13 |
| Tues 9 | 9800.5 | 10 48 01 | 17 09 | 03 30 | -26 33 | 0.96 | 04 42 | 05 10 | 05 37 | 05 50 | 19 04 | 19 17 | 19 44 | 20 12 |
| Wed 10 | 9801.5 | 10 51 57 | 18 08 | 04 39 | -23 18 | 0.99 | 04 43 | 05 10 | 05 38 | 05 50 | 19 04 | 19 16 | 19 44 | 20 11 |
| Thur 11 | 9802.5 | 10 55 54 | 19 01 | 05 47 | | | 04 43 | 05 11 | 05 38 | 05 51 | 19 03 | 19 16 | 19 43 | 20 10 |
| Fri 12 | 9803.5 | 10 59 50 | 19 47 | 06 53 | -18 25 | 1.00 | 04 44 | 05 11 | 05 38 | 05 51 | 19 02 | 19 15 | 19 42 | 20 10 |
| Sat 13 | 9804.5 | 11 03 47 | 20 28 | 07 56 | -12 26 | 0.97 | 04 44 | 05 12 | 05 39 | 05 51 | 19 02 | 19 14 | 19 41 | 20 09 |
| Sun 14 | 9805.5 | 11 07 43 | 21 06 | 08 55 | -05 56 | 0.92 | 04 45 | 05 12 | 05 39 | 05 52 | 19 01 | 19 14 | 19 41 | 20 08 |
| Mon 15 | 9806.5 | 11 11 40 | 21 43 | 09 51 | +00 40 | 0.84 | 04 45 | 05 12 | 05 39 | 05 52 | 19 00 | 19 13 | 19 40 | 20 07 |
| Tues 16 | 9807.5 | 11 15 37 | 22 18 | 10 46 | +06 59 | 0.75 | 04 45 | 05 13 | 05 40 | 05 52 | 19 00 | 19 12 | 19 39 | 20 06 |
| Wed 17 | 9808.5 | 11 19 33 | 22 55 | 11 40 | +12 46 | 0.65 | 04 46 | 05 13 | 05 40 | 05 53 | 18 59 | 19 11 | 19 38 | 20 05 |
| Thur 18 | 9809.5 | 11 23 30 | 23 34 | 12 34 | +17 49 | 0.55 | 04 46 | 05 14 | 05 40 | 05 53 | 18 58 | 19 11 | 19 37 | 20 05 |
| Fri 19 | 9810.5 | 11 27 26 | | 13 28 | +21 55 | 0.45 | 04 47 | 05 14 | 05 41 | 05 53 | 18 57 | 19 10 | 19 37 | 20 04 |
| Sat 20 | 9811.5 | 11 31 23 | 00 16 | 14 22 | +24 57 | 0.35 | 04 47 | 05 14 | 05 41 | 05 54 | 18 57 | 19 09 | 19 36 | 20 03 |
| Sun 21 | 9812.5 | 11 35 19 | 01 02 | 15 15 | +26 44 | 0.26 | 04 48 | 05 15 | 05 41 | 05 54 | 18 56 | 19 08 | 19 35 | 20 02 |
| Mon 22 | 9813.5 | 11 39 16 | 01 51 | 16 06 | +27 12 | 0.18 | 04 48 | 05 15 | 05 41 | 05 54 | 18 55 | 19 08 | 19 34 | 20 01 |
| Tues 23 | 9814.5 | 11 43 12 | 02 42 | 16 54 | +26 19 | 0.11 | 04 48 | 05 15 | 05 42 | 05 54 | 18 54 | 19 07 | 19 33 | 20 00 |
| Wed 24 | 9815.5 | 11 47 09 | 03 36 | 17 38 | +24 08 | 0.06 | 04 49 | 05 16 | 05 42 | 05 55 | 18 53 | 19 06 | 19 32 | 19 59 |
| Thur 25 | 9816.5 | 11 51 06 | 04 30 | 18 19 | +20 46 | 0.02 | 04 49 | 05 16 | 05 42 | 05 55 | 18 53 | 19 05 | 19 31 | 19 58 |
| Fri 26 | 9817.5 | 11 55 02 | 05 24 | 18 57 | +16 24 | 0.00 | 04 50 | 05 16 | 05 43 | 05 55 | 18 52 | 19 04 | 19 31 | 19 57 |
| Sat 27 | 9818.5 | 11 58 59 | 06 16 | 19 32 | +11 14 | 0.01 | 04 50 | 05 17 | 05 43 | 05 55 | 18 51 | 19 03 | 19 30 | 19 56 |
| Sun 28 | 9819.5 | 12 02 55 | 07 09 | 20 06 | +05 30 | 0.03 | 04 50 | 05 17 | 05 43 | 05 56 | 18 50 | 19 03 | 19 29 | 19 55 |
| Mon 29 | 9820.5 | 12 06 52 | 08 00 | 20 40 | -00 34 | 0.07 | 04 51 | 05 17 | 05 43 | 05 56 | 18 49 | 19 02 | 19 28 | 19 54 |
| Tues 30 | 9821.5 | 12 10 48 | 08 53 | 21 16 | -06 44 | 0.14 | 04 51 | 05 17 | 05 44 | 05 56 | 18 48 | 19 01 | 19 27 | 19 53 |
| Wed 31 | 9822.5 | 12 14 45 | 09 47 | 21 53 | -12 44 | 0.22 | 04 51 | 05 18 | 05 44 | 05 56 | 18 48 | 19 00 | 19 26 | 19 52 |