

2020 - December

Calendar for ESO - La Silla

2020 - December

Longitude: W 070 44
Latitude : S 29 15

Height: 400m
Time Zone: -04h 00m

Zone Time = UT - 04h 00m

| Date | J.D. at Oh UT 245 | LMST at Oh UT h m s | Moon | | Moon Transit Dec. Phase 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 |
| Tues 1 | 9184.5 | 23 58 18 | 20 47 | 06 29 | +23 35 | 0.99 | 04 03 | 04 37 | 05 09 | 05 32 | 19 32 | 19 56 | 20 28 | 21 02 |
| Wed 2 | 9185.5 | 00 02 15 | 21 41 | 07 17 | +25 15 | 0.97 | 04 02 | 04 37 | 05 09 | 05 32 | 19 33 | 19 56 | 20 29 | 21 03 |
| Thur 3 | 9186.5 | 00 06 11 | 22 33 | 08 10 | +25 38 | 0.92 | 04 02 | 04 37 | 05 09 | 05 32 | 19 34 | 19 57 | 20 30 | 21 04 |
| Fri 4 | 9187.5 | 00 10 08 | 23 20 | 09 07 | +24 38 | 0.86 | 04 02 | 04 37 | 05 09 | 05 32 | 19 35 | 19 58 | 20 30 | 21 05 |
| Sat 5 | 9188.5 | 00 14 04 | | 10 07 | +22 16 | 0.77 | 04 02 | 04 37 | 05 09 | 05 32 | 19 35 | 19 59 | 20 31 | 21 06 |
| Sun 6 | 9189.5 | 00 18 01 | 00 03 | 11 08 | +18 38 | 0.67 | 04 02 | 04 37 | 05 09 | 05 32 | 19 36 | 20 00 | 20 32 | 21 07 |
| Mon 7 | 9190.5 | 00 21 58 | 00 43 | 12 11 | +13 57 | 0.57 | 04 02 | 04 37 | 05 09 | 05 33 | 19 37 | 20 00 | 20 33 | 21 08 |
| Tues 8 | 9191.5 | 00 25 54 | 01 20 | 13 13 | +08 26 | 0.45 | 04 02 | 04 37 | 05 09 | 05 33 | 19 38 | 20 01 | 20 34 | 21 09 |
| Wed 9 | 9192.5 | 00 29 51 | 01 55 | 14 17 | +02 21 | 0.34 | 04 02 | 04 37 | 05 09 | 05 33 | 19 38 | 20 02 | 20 35 | 21 09 |
| Thur 10 | 9193.5 | 00 33 47 | 02 30 | 15 22 | -03 59 | 0.23 | 04 02 | 04 37 | 05 10 | 05 33 | 19 39 | 20 03 | 20 35 | 21 10 |
| Fri 11 | 9194.5 | 00 37 44 | 03 07 | 16 29 | -10 11 | 0.13 | 04 02 | 04 37 | 05 10 | 05 33 | 19 40 | 20 03 | 20 36 | 21 11 |
| Sat 12 | 9195.5 | 00 41 40 | 03 48 | 17 38 | -15 49 | 0.06 | 04 02 | 04 37 | 05 10 | 05 34 | 19 40 | 20 04 | 20 37 | 21 12 |
| Sun 13 | 9196.5 | 00 45 37 | 04 32 | 18 49 | -20 24 | 0.02 | 04 02 | 04 37 | 05 10 | 05 34 | 19 41 | 20 05 | 20 37 | 21 13 |
| Mon 14 | 9197.5 | 00 49 33 | 05 23 | 19 58 | -23 29 | 0.00 | 04 03 | 04 38 | 05 11 | 05 34 | 19 42 | 20 05 | 20 38 | 21 13 |
| Tues 15 | 9198.5 | 00 53 30 | 06 20 | 21 02 | -24 46 | 0.02 | 04 03 | 04 38 | 05 11 | 05 34 | 19 42 | 20 06 | 20 39 | 21 14 |
| Wed 16 | 9199.5 | 00 57 27 | 07 22 | 21 59 | -24 13 | 0.06 | 04 03 | 04 38 | 05 11 | 05 35 | 19 43 | 20 06 | 20 39 | 21 15 |
| Thur 17 | 9200.5 | 01 01 23 | 08 25 | 22 48 | -22 03 | 0.12 | 04 04 | 04 39 | 05 12 | 05 35 | 19 44 | 20 07 | 20 40 | 21 15 |
| Fri 18 | 9201.5 | 01 05 20 | 09 28 | 23 30 | -18 37 | 0.21 | 04 04 | 04 39 | 05 12 | 05 36 | 19 44 | 20 08 | 20 41 | 21 16 |
| Sat 19 | 9202.5 | 01 09 16 | 10 28 | | -14 19 | 0.30 | 04 04 | 04 40 | 05 13 | 05 36 | 19 45 | 20 08 | 20 41 | 21 16 |
| Sun 20 | 9203.5 | 01 13 13 | 11 26 | 00 07 | -09 28 | 0.40 | 04 05 | 04 40 | 05 13 | 05 37 | 19 45 | 20 09 | 20 42 | 21 17 |
| Mon 21 | 9204.5 | 01 17 09 | 12 21 | 00 39 | -04 20 | 0.50 | 04 05 | 04 41 | 05 13 | 05 37 | 19 46 | 20 09 | 20 42 | 21 17 |
| Tues 22 | 9205.5 | 01 21 06 | 13 14 | 01 09 | +00 54 | 0.59 | 04 06 | 04 41 | 05 14 | 05 38 | 19 46 | 20 10 | 20 43 | 21 18 |
| Wed 23 | 9206.5 | 01 25 02 | 14 06 | 01 38 | +06 03 | 0.69 | 04 06 | 04 42 | 05 15 | 05 38 | 19 47 | 20 10 | 20 43 | 21 18 |
| Thur 24 | 9207.5 | 01 28 59 | 14 58 | 02 06 | +10 59 | 0.77 | 04 07 | 04 42 | 05 15 | 05 39 | 19 47 | 20 11 | 20 43 | 21 19 |
| Fri 25 | 9208.5 | 01 32 56 | 15 51 | 02 36 | +15 31 | 0.85 | 04 08 | 04 43 | 05 16 | 05 39 | 19 47 | 20 11 | 20 44 | 21 19 |
| Sat 26 | 9209.5 | 01 36 52 | 16 46 | 03 09 | +19 29 | 0.91 | 04 08 | 04 43 | 05 16 | 05 40 | 19 48 | 20 11 | 20 44 | 21 19 |
| Sun 27 | 9210.5 | 01 40 49 | 17 42 | 03 45 | +22 39 | 0.96 | 04 09 | 04 44 | 05 17 | 05 40 | 19 48 | 20 12 | 20 45 | 21 20 |
| Mon 28 | 9211.5 | 01 44 45 | 18 38 | 04 25 | +24 46 | 0.99 | 04 10 | 04 45 | 05 18 | 05 41 | 19 48 | 20 12 | 20 45 | 21 20 |
| Tues 29 | 9212.5 | 01 48 42 | 19 34 | 05 11 | | | 04 10 | 04 45 | 05 18 | 05 42 | 19 49 | 20 12 | 20 45 | 21 20 |
| Wed 30 | 9213.5 | 01 52 38 | 20 28 | 06 03 | +25 38 | 1.00 | 04 11 | 04 46 | 05 19 | 05 42 | 19 49 | 20 12 | 20 45 | 21 20 |
| Thur 31 | 9214.5 | 01 56 35 | 21 18 | 07 00 | +25 06 | 0.99 | 04 12 | 04 47 | 05 20 | 05 43 | 19 49 | 20 13 | 20 45 | 21 20 |