

2012 - November

Calendar for ESO - La Silla

2012 - November

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 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 | |
| Thur 1 | 6232.5 | 21 59 49 | 21 39 | 07 40 | +21 05 | 0.95 | 04 23 | 04 54 | 05 24 | 05 46 | 19 08 | 19 30 | 19 59 | 20 30 |
| Fri 2 | 6233.5 | 22 03 45 | 22 26 | 08 27 | +21 38 | 0.90 | 04 22 | 04 53 | 05 23 | 05 45 | 19 09 | 19 30 | 20 00 | 20 31 |
| Sat 3 | 6234.5 | 22 07 42 | 23 11 | 09 17 | +21 11 | 0.83 | 04 21 | 04 52 | 05 22 | 05 44 | 19 09 | 19 31 | 20 01 | 20 32 |
| Sun 4 | 6235.5 | 22 11 38 | 23 53 | 10 09 | +19 45 | 0.75 | 04 20 | 04 51 | 05 21 | 05 43 | 19 10 | 19 32 | 20 02 | 20 33 |
| Mon 5 | 6236.5 | 22 15 35 | | 11 03 | +17 23 | 0.66 | 04 19 | 04 51 | 05 21 | 05 42 | 19 11 | 19 33 | 20 03 | 20 34 |
| Tues 6 | 6237.5 | 22 19 31 | 00 33 | 11 58 | +14 11 | 0.56 | 04 18 | 04 50 | 05 20 | 05 42 | 19 12 | 19 34 | 20 04 | 20 36 |
| Wed 7 | 6238.5 | 22 23 28 | 01 10 | 12 54 | +10 15 | 0.46 | 04 17 | 04 49 | 05 19 | 05 41 | 19 13 | 19 35 | 20 05 | 20 37 |
| Thur 8 | 6239.5 | 22 27 25 | 01 46 | 13 52 | +05 44 | 0.35 | 04 16 | 04 48 | 05 18 | 05 40 | 19 13 | 19 35 | 20 06 | 20 38 |
| Fri 9 | 6240.5 | 22 31 21 | 02 23 | 14 51 | +00 46 | 0.25 | 04 16 | 04 47 | 05 18 | 05 40 | 19 14 | 19 36 | 20 07 | 20 39 |
| Sat 10 | 6241.5 | 22 35 18 | 03 00 | 15 54 | -04 24 | 0.16 | 04 15 | 04 47 | 05 17 | 05 39 | 19 15 | 19 37 | 20 08 | 20 40 |
| Sun 11 | 6242.5 | 22 39 14 | 03 40 | 16 59 | -09 28 | 0.08 | 04 14 | 04 46 | 05 16 | 05 39 | 19 16 | 19 38 | 20 09 | 20 41 |
| Mon 12 | 6243.5 | 22 43 11 | 04 24 | 18 07 | -14 04 | 0.03 | 04 13 | 04 45 | 05 16 | 05 38 | 19 17 | 19 39 | 20 10 | 20 42 |
| Tues 13 | 6244.5 | 22 47 07 | 05 13 | 19 16 | -17 44 | 0.00 | 04 12 | 04 44 | 05 15 | 05 37 | 19 18 | 19 40 | 20 11 | 20 43 |
| Wed 14 | 6245.5 | 22 51 04 | 06 08 | 20 24 | -20 04 | 0.01 | 04 11 | 04 44 | 05 15 | 05 37 | 19 18 | 19 41 | 20 12 | 20 44 |
| Thur 15 | 6246.5 | 22 55 00 | 07 08 | 21 28 | -20 45 | 0.05 | 04 11 | 04 43 | 05 14 | 05 36 | 19 19 | 19 42 | 20 13 | 20 45 |
| Fri 16 | 6247.5 | 22 58 57 | 08 13 | 22 26 | -19 48 | 0.12 | 04 10 | 04 43 | 05 14 | 05 36 | 19 20 | 19 42 | 20 14 | 20 46 |
| Sat 17 | 6248.5 | 23 02 54 | 09 18 | 23 17 | -17 23 | 0.21 | 04 09 | 04 42 | 05 13 | 05 36 | 19 21 | 19 43 | 20 15 | 20 47 |
| Sun 18 | 6249.5 | 23 06 50 | 10 23 | | -13 52 | 0.32 | 04 09 | 04 41 | 05 13 | 05 35 | 19 22 | 19 44 | 20 16 | 20 48 |
| Mon 19 | 6250.5 | 23 10 47 | 11 25 | 00 02 | -09 37 | 0.43 | 04 08 | 04 41 | 05 12 | 05 35 | 19 23 | 19 45 | 20 17 | 20 50 |
| Tues 20 | 6251.5 | 23 14 43 | 12 25 | 00 42 | -05 00 | 0.54 | 04 07 | 04 40 | 05 12 | 05 34 | 19 23 | 19 46 | 20 18 | 20 51 |
| Wed 21 | 6252.5 | 23 18 40 | 13 22 | 01 19 | -00 14 | 0.64 | 04 07 | 04 40 | 05 11 | 05 34 | 19 24 | 19 47 | 20 18 | 20 52 |
| Thur 22 | 6253.5 | 23 22 36 | 14 17 | 01 53 | +04 25 | 0.74 | 04 06 | 04 39 | 05 11 | 05 34 | 19 25 | 19 48 | 20 19 | 20 53 |
| Fri 23 | 6254.5 | 23 26 33 | 15 12 | 02 27 | +08 49 | 0.82 | 04 06 | 04 39 | 05 11 | 05 33 | 19 26 | 19 49 | 20 20 | 20 54 |
| Sat 24 | 6255.5 | 23 30 29 | 16 05 | 03 01 | +12 47 | 0.89 | 04 05 | 04 39 | 05 10 | 05 33 | 19 27 | 19 50 | 20 21 | 20 55 |
| Sun 25 | 6256.5 | 23 34 26 | 16 59 | 03 36 | +16 11 | 0.94 | 04 05 | 04 38 | 05 10 | 05 33 | 19 28 | 19 50 | 20 22 | 20 56 |
| Mon 26 | 6257.5 | 23 38 23 | 17 52 | 04 14 | +18 52 | 0.98 | 04 04 | 04 38 | 05 10 | 05 33 | 19 28 | 19 51 | 20 23 | 20 57 |
| Tues 27 | 6258.5 | 23 42 19 | 18 44 | 04 54 | | | 04 04 | 04 38 | 05 10 | 05 33 | 19 29 | 19 52 | 20 24 | 20 58 |
| Wed 28 | 6259.5 | 23 46 16 | 19 35 | 05 37 | +20 41 | 1.00 | 04 04 | 04 37 | 05 10 | 05 32 | 19 30 | 19 53 | 20 25 | 20 59 |
| Thur 29 | 6260.5 | 23 50 12 | 20 23 | 06 24 | +21 34 | 1.00 | 04 03 | 04 37 | 05 09 | 05 32 | 19 31 | 19 54 | 20 26 | 21 00 |
| Fri 30 | 6261.5 | 23 54 09 | 21 09 | 07 13 | +21 27 | 0.98 | 04 03 | 04 37 | 05 09 | 05 32 | 19 32 | 19 55 | 20 27 | 21 01 |