

2013 - November

Calendar for ESO - La Silla

2013 - 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 | | |
| Fri | 1 | 6597.5 | 21 58 51 | 04 19 | 17 26 | -07 20 | 0.05 | 04 24 | 04 54 | 05 24 | 05 46 | 19 08 | 19 29 | 19 59 | 20 30 |
| Sat | 2 | 6598.5 | 22 02 48 | 05 00 | 18 27 | -11 33 | 0.01 | 04 23 | 04 53 | 05 23 | 05 45 | 19 08 | 19 30 | 20 00 | 20 31 |
| Sun | 3 | 6599.5 | 22 06 44 | 05 44 | 19 31 | -15 08 | 0.00 | 04 22 | 04 53 | 05 22 | 05 44 | 19 09 | 19 31 | 20 01 | 20 32 |
| Mon | 4 | 6600.5 | 22 10 41 | 06 33 | 20 35 | -17 46 | 0.02 | 04 21 | 04 52 | 05 22 | 05 43 | 19 10 | 19 32 | 20 02 | 20 33 |
| Tues | 5 | 6601.5 | 22 14 37 | 07 28 | 21 38 | -19 10 | 0.07 | 04 20 | 04 51 | 05 21 | 05 43 | 19 11 | 19 33 | 20 03 | 20 34 |
| Wed | 6 | 6602.5 | 22 18 34 | 08 27 | 22 37 | -19 09 | 0.14 | 04 19 | 04 50 | 05 20 | 05 42 | 19 12 | 19 34 | 20 04 | 20 35 |
| Thur | 7 | 6603.5 | 22 22 30 | 09 30 | 23 31 | -17 43 | 0.24 | 04 18 | 04 49 | 05 19 | 05 41 | 19 12 | 19 34 | 20 05 | 20 36 |
| Fri | 8 | 6604.5 | 22 26 27 | 10 34 | | -15 02 | 0.35 | 04 17 | 04 48 | 05 19 | 05 41 | 19 13 | 19 35 | 20 06 | 20 37 |
| Sat | 9 | 6605.5 | 22 30 24 | 11 38 | 00 20 | -11 24 | 0.46 | 04 16 | 04 48 | 05 18 | 05 40 | 19 14 | 19 36 | 20 07 | 20 38 |
| Sun | 10 | 6606.5 | 22 34 20 | 12 40 | 01 05 | -07 07 | 0.58 | 04 15 | 04 47 | 05 17 | 05 39 | 19 15 | 19 37 | 20 08 | 20 40 |
| Mon | 11 | 6607.5 | 22 38 17 | 13 41 | 01 46 | -02 29 | 0.69 | 04 14 | 04 46 | 05 17 | 05 39 | 19 16 | 19 38 | 20 09 | 20 41 |
| Tues | 12 | 6608.5 | 22 42 13 | 14 41 | 02 25 | +02 14 | 0.79 | 04 13 | 04 45 | 05 16 | 05 38 | 19 17 | 19 39 | 20 10 | 20 42 |
| Wed | 13 | 6609.5 | 22 46 10 | 15 39 | 03 02 | +06 47 | 0.87 | 04 12 | 04 45 | 05 15 | 05 38 | 19 17 | 19 40 | 20 10 | 20 43 |
| Thur | 14 | 6610.5 | 22 50 06 | 16 37 | 03 40 | +10 56 | 0.94 | 04 12 | 04 44 | 05 15 | 05 37 | 19 18 | 19 40 | 20 11 | 20 44 |
| Fri | 15 | 6611.5 | 22 54 03 | 17 34 | 04 19 | +14 29 | 0.98 | 04 11 | 04 43 | 05 14 | 05 37 | 19 19 | 19 41 | 20 12 | 20 45 |
| Sat | 16 | 6612.5 | 22 57 59 | 18 31 | 04 59 | | | 04 10 | 04 43 | 05 14 | 05 36 | 19 20 | 19 42 | 20 13 | 20 46 |
| Sun | 17 | 6613.5 | 23 01 56 | 19 25 | 05 42 | +17 17 | 1.00 | 04 09 | 04 42 | 05 13 | 05 36 | 19 21 | 19 43 | 20 14 | 20 47 |
| Mon | 18 | 6614.5 | 23 05 53 | 20 18 | 06 27 | +19 12 | 1.00 | 04 09 | 04 42 | 05 13 | 05 35 | 19 21 | 19 44 | 20 15 | 20 48 |
| Tues | 19 | 6615.5 | 23 09 49 | 21 07 | 07 14 | +20 09 | 0.97 | 04 08 | 04 41 | 05 12 | 05 35 | 19 22 | 19 45 | 20 16 | 20 49 |
| Wed | 20 | 6616.5 | 23 13 46 | 21 53 | 08 04 | +20 06 | 0.93 | 04 07 | 04 40 | 05 12 | 05 34 | 19 23 | 19 46 | 20 17 | 20 50 |
| Thur | 21 | 6617.5 | 23 17 42 | 22 36 | 08 54 | +19 07 | 0.88 | 04 07 | 04 40 | 05 11 | 05 34 | 19 24 | 19 47 | 20 18 | 20 51 |
| Fri | 22 | 6618.5 | 23 21 39 | 23 16 | 09 46 | +17 17 | 0.81 | 04 06 | 04 40 | 05 11 | 05 34 | 19 25 | 19 48 | 20 19 | 20 53 |
| Sat | 23 | 6619.5 | 23 25 35 | 23 53 | 10 37 | +14 42 | 0.72 | 04 06 | 04 39 | 05 11 | 05 34 | 19 26 | 19 48 | 20 20 | 20 54 |
| Sun | 24 | 6620.5 | 23 29 32 | | 11 30 | +11 30 | 0.63 | 04 05 | 04 39 | 05 10 | 05 33 | 19 26 | 19 49 | 20 21 | 20 55 |
| Mon | 25 | 6621.5 | 23 33 28 | 00 28 | 12 22 | +07 47 | 0.54 | 04 05 | 04 38 | 05 10 | 05 33 | 19 27 | 19 50 | 20 22 | 20 56 |
| Tues | 26 | 6622.5 | 23 37 25 | 01 02 | 13 16 | +03 41 | 0.44 | 04 04 | 04 38 | 05 10 | 05 33 | 19 28 | 19 51 | 20 23 | 20 57 |
| Wed | 27 | 6623.5 | 23 41 22 | 01 37 | 14 11 | -00 40 | 0.34 | 04 04 | 04 38 | 05 10 | 05 33 | 19 29 | 19 52 | 20 24 | 20 58 |
| Thur | 28 | 6624.5 | 23 45 18 | 02 13 | 15 08 | -05 07 | 0.24 | 04 04 | 04 38 | 05 10 | 05 33 | 19 30 | 19 53 | 20 25 | 20 59 |
| Fri | 29 | 6625.5 | 23 49 15 | 02 51 | 16 08 | -09 26 | 0.15 | 04 03 | 04 37 | 05 09 | 05 32 | 19 31 | 19 54 | 20 26 | 21 00 |
| Sat | 30 | 6626.5 | 23 53 11 | 03 33 | 17 10 | -13 22 | 0.08 | 04 03 | 04 37 | 05 09 | 05 32 | 19 31 | 19 54 | 20 27 | 21 01 |