

1997 - September

Calendar for SAAO - Sutherland

1997 - September

Longitude: E 020 49
Latitude : S 32 23

Height: 200m
Time Zone: +02h 00m

Zone Time = UT + 02h 00m

| Date | J.D. at | | | Moon | | Moon Transit Dec. Phase | Morning | | | Sun | | Evening | | | |
|---------|---------|----------|--|-------|-------|----------------------------|---------|-------|-------|-------|-------|---------|-------|-------|-------|
| | Oh UT | LMST | | Rise | Set | | Astr. | Naut. | Civil | Rise | Set | Civil | Naut. | Astr. | |
| | 245 | at Oh UT | | h m | h m | | Twil. | Twil. | Twil. | h m | h m | h m | h m | h m | |
| Mon 1 | 0692.5 | 00 04 03 | | 06 24 | 18 02 | +09 39 | 0.00 | 05 32 | 06 01 | 06 29 | 06 52 | 18 22 | 18 45 | 19 13 | 19 42 |
| Tues 2 | 0693.5 | 00 08 00 | | 06 58 | 18 55 | +06 05 | 0.00 | 05 31 | 06 00 | 06 28 | 06 50 | 18 23 | 18 45 | 19 14 | 19 42 |
| Wed 3 | 0694.5 | 00 11 56 | | 07 31 | 19 47 | +02 18 | 0.02 | 05 30 | 05 58 | 06 27 | 06 49 | 18 24 | 18 46 | 19 14 | 19 43 |
| Thur 4 | 0695.5 | 00 15 53 | | 08 04 | 20 39 | -01 34 | 0.06 | 05 29 | 05 57 | 06 26 | 06 48 | 18 24 | 18 46 | 19 15 | 19 43 |
| Fri 5 | 0696.5 | 00 19 49 | | 08 36 | 21 32 | -05 21 | 0.11 | 05 27 | 05 56 | 06 24 | 06 46 | 18 25 | 18 47 | 19 15 | 19 44 |
| Sat 6 | 0697.5 | 00 23 46 | | 09 10 | 22 26 | -08 56 | 0.18 | 05 26 | 05 55 | 06 23 | 06 45 | 18 25 | 18 48 | 19 16 | 19 45 |
| Sun 7 | 0698.5 | 00 27 42 | | 09 46 | 23 20 | -12 09 | 0.26 | 05 25 | 05 53 | 06 22 | 06 44 | 18 26 | 18 48 | 19 17 | 19 45 |
| Mon 8 | 0699.5 | 00 31 39 | | 10 25 | | -14 50 | 0.36 | 05 24 | 05 52 | 06 20 | 06 43 | 18 27 | 18 49 | 19 17 | 19 46 |
| Tues 9 | 0700.5 | 00 35 35 | | 11 08 | 00 15 | -16 48 | 0.46 | 05 22 | 05 51 | 06 19 | 06 41 | 18 27 | 18 49 | 19 18 | 19 46 |
| Wed 10 | 0701.5 | 00 39 32 | | 11 56 | 01 11 | -17 52 | 0.57 | 05 21 | 05 49 | 06 18 | 06 40 | 18 28 | 18 50 | 19 18 | 19 47 |
| Thur 11 | 0702.5 | 00 43 28 | | 12 49 | 02 06 | -17 51 | 0.68 | 05 20 | 05 48 | 06 17 | 06 39 | 18 28 | 18 51 | 19 19 | 19 48 |
| Fri 12 | 0703.5 | 00 47 25 | | 13 48 | 03 00 | -16 39 | 0.78 | 05 18 | 05 47 | 06 15 | 06 37 | 18 29 | 18 51 | 19 20 | 19 48 |
| Sat 13 | 0704.5 | 00 51 22 | | 14 51 | 03 53 | -14 15 | 0.87 | 05 17 | 05 46 | 06 14 | 06 36 | 18 30 | 18 52 | 19 20 | 19 49 |
| Sun 14 | 0705.5 | 00 55 18 | | 15 58 | 04 42 | -10 45 | 0.94 | 05 16 | 05 44 | 06 13 | 06 35 | 18 30 | 18 52 | 19 21 | 19 50 |
| Mon 15 | 0706.5 | 00 59 15 | | 17 07 | 05 30 | -06 22 | 0.99 | 05 14 | 05 43 | 06 11 | 06 33 | 18 31 | 18 53 | 19 22 | 19 50 |
| Tues 16 | 0707.5 | 01 03 11 | | 18 16 | 06 15 | | | 05 13 | 05 42 | 06 10 | 06 32 | 18 32 | 18 54 | 19 22 | 19 51 |
| Wed 17 | 0708.5 | 01 07 08 | | 19 26 | 06 58 | -01 28 | 1.00 | 05 12 | 05 40 | 06 09 | 06 31 | 18 32 | 18 54 | 19 23 | 19 51 |
| Thur 18 | 0709.5 | 01 11 04 | | 20 34 | 07 41 | +03 32 | 0.98 | 05 10 | 05 39 | 06 07 | 06 29 | 18 33 | 18 55 | 19 23 | 19 52 |
| Fri 19 | 0710.5 | 01 15 01 | | 21 41 | 08 25 | +08 16 | 0.93 | 05 09 | 05 37 | 06 06 | 06 28 | 18 33 | 18 56 | 19 24 | 19 53 |
| Sat 20 | 0711.5 | 01 18 57 | | 22 45 | 09 10 | +12 22 | 0.85 | 05 07 | 05 36 | 06 05 | 06 27 | 18 34 | 18 56 | 19 25 | 19 54 |
| Sun 21 | 0712.5 | 01 22 54 | | 23 46 | 09 56 | +15 34 | 0.75 | 05 06 | 05 35 | 06 03 | 06 25 | 18 35 | 18 57 | 19 25 | 19 54 |
| Mon 22 | 0713.5 | 01 26 51 | | | 10 44 | +17 45 | 0.65 | 05 05 | 05 33 | 06 02 | 06 24 | 18 35 | 18 57 | 19 26 | 19 55 |
| Tues 23 | 0714.5 | 01 30 47 | | 00 44 | 11 35 | +18 51 | 0.54 | 05 03 | 05 32 | 06 01 | 06 23 | 18 36 | 18 58 | 19 27 | 19 56 |
| Wed 24 | 0715.5 | 01 34 44 | | 01 36 | 12 27 | +18 54 | 0.43 | 05 02 | 05 31 | 05 59 | 06 21 | 18 37 | 18 59 | 19 27 | 19 56 |
| Thur 25 | 0716.5 | 01 38 40 | | 02 24 | 13 19 | +17 59 | 0.33 | 05 00 | 05 29 | 05 58 | 06 20 | 18 37 | 18 59 | 19 28 | 19 57 |
| Fri 26 | 0717.5 | 01 42 37 | | 03 08 | 14 12 | +16 13 | 0.24 | 04 59 | 05 28 | 05 57 | 06 19 | 18 38 | 19 00 | 19 29 | 19 58 |
| Sat 27 | 0718.5 | 01 46 33 | | 03 48 | 15 05 | +13 45 | 0.16 | 04 58 | 05 27 | 05 55 | 06 17 | 18 39 | 19 01 | 19 29 | 19 59 |
| Sun 28 | 0719.5 | 01 50 30 | | 04 25 | 15 58 | +10 43 | 0.10 | 04 56 | 05 25 | 05 54 | 06 16 | 18 39 | 19 01 | 19 30 | 19 59 |
| Mon 29 | 0720.5 | 01 54 26 | | 05 00 | 16 50 | +07 16 | 0.05 | 04 55 | 05 24 | 05 53 | 06 15 | 18 40 | 19 02 | 19 31 | 20 00 |
| Tues 30 | 0721.5 | 01 58 23 | | 05 33 | 17 43 | +03 33 | 0.02 | 04 53 | 05 22 | 05 51 | 06 13 | 18 41 | 19 03 | 19 32 | 20 01 |