

2002 - September

Calendar for ANU - Siding Spring

2002 - September

Longitude: E 149 04  
Latitude : S 31 16

Height: 200m  
Time Zone: +10h 00m

Zone Time = UT + 10h 00m

| Date    | J.D. at<br>Oh UT<br>245 | LMST<br>at Oh UT<br>h m s | Moon        |            | Moon Transit<br>Dec. Phase<br>o ' " | Morning            |                    |                    | Sun         |            | Evening            |                    |                    |       |
|---------|-------------------------|---------------------------|-------------|------------|-------------------------------------|--------------------|--------------------|--------------------|-------------|------------|--------------------|--------------------|--------------------|-------|
|         |                         |                           | Rise<br>h m | Set<br>h m |                                     | Astr. Twil.<br>h m | Naut. Twil.<br>h m | Civil Twil.<br>h m | Rise<br>h m | Set<br>h m | Civil Twil.<br>h m | Naut. Twil.<br>h m | Astr. Twil.<br>h m |       |
| Sun 1   | 2518.5                  | 08 36 12                  | 01 12       | 11 39      | +23 50                              | 0.43               | 05 00              | 05 28              | 05 56       | 06 18      | 17 50              | 18 12              | 18 40              | 19 08 |
| Mon 2   | 2519.5                  | 08 40 09                  | 02 12       | 12 28      | +25 40                              | 0.32               | 04 59              | 05 27              | 05 55       | 06 17      | 17 50              | 18 12              | 18 41              | 19 09 |
| Tues 3  | 2520.5                  | 08 44 05                  | 03 10       | 13 25      | +26 04                              | 0.22               | 04 58              | 05 26              | 05 54       | 06 16      | 17 51              | 18 13              | 18 41              | 19 09 |
| Wed 4   | 2521.5                  | 08 48 02                  | 04 06       | 14 29      | +24 50                              | 0.14               | 04 57              | 05 25              | 05 53       | 06 15      | 17 52              | 18 14              | 18 42              | 19 10 |
| Thur 5  | 2522.5                  | 08 51 58                  | 04 57       | 15 37      | +21 54                              | 0.07               | 04 55              | 05 23              | 05 52       | 06 14      | 17 52              | 18 14              | 18 42              | 19 10 |
| Fri 6   | 2523.5                  | 08 55 55                  | 05 43       | 16 47      | +17 26                              | 0.02               | 04 54              | 05 22              | 05 50       | 06 12      | 17 53              | 18 15              | 18 43              | 19 11 |
| Sat 7   | 2524.5                  | 08 59 52                  | 06 24       | 17 58      | +11 44                              | 0.00               | 04 53              | 05 21              | 05 49       | 06 11      | 17 53              | 18 15              | 18 43              | 19 11 |
| Sun 8   | 2525.5                  | 09 03 48                  | 07 02       | 19 08      | +05 15                              | 0.02               | 04 52              | 05 20              | 05 48       | 06 10      | 17 54              | 18 16              | 18 44              | 19 12 |
| Mon 9   | 2526.5                  | 09 07 45                  | 07 38       | 20 18      | -01 31                              | 0.06               | 04 50              | 05 19              | 05 47       | 06 09      | 17 54              | 18 16              | 18 44              | 19 13 |
| Tues 10 | 2527.5                  | 09 11 41                  | 08 14       | 21 27      | -08 07                              | 0.14               | 04 49              | 05 17              | 05 45       | 06 07      | 17 55              | 18 17              | 18 45              | 19 13 |
| Wed 11  | 2528.5                  | 09 15 38                  | 08 51       | 22 36      | -14 04                              | 0.23               | 04 48              | 05 16              | 05 44       | 06 06      | 17 56              | 18 17              | 18 46              | 19 14 |
| Thur 12 | 2529.5                  | 09 19 34                  | 09 31       | 23 43      | -19 00                              | 0.34               | 04 47              | 05 15              | 05 43       | 06 05      | 17 56              | 18 18              | 18 46              | 19 14 |
| Fri 13  | 2530.5                  | 09 23 31                  | 10 15       | .. ..      | -22 37                              | 0.45               | 04 45              | 05 14              | 05 42       | 06 03      | 17 57              | 18 19              | 18 47              | 19 15 |
| Sat 14  | 2531.5                  | 09 27 27                  | 11 03       | 00 49      | -24 43                              | 0.56               | 04 44              | 05 12              | 05 40       | 06 02      | 17 57              | 18 19              | 18 47              | 19 15 |
| Sun 15  | 2532.5                  | 09 31 24                  | 11 56       | 01 50      | -25 16                              | 0.67               | 04 43              | 05 11              | 05 39       | 06 01      | 17 58              | 18 20              | 18 48              | 19 16 |
| Mon 16  | 2533.5                  | 09 35 21                  | 12 52       | 02 46      | -24 18                              | 0.77               | 04 41              | 05 10              | 05 38       | 06 00      | 17 58              | 18 20              | 18 48              | 19 17 |
| Tues 17 | 2534.5                  | 09 39 17                  | 13 51       | 03 35      | -22 02                              | 0.85               | 04 40              | 05 08              | 05 36       | 05 58      | 17 59              | 18 21              | 18 49              | 19 17 |
| Wed 18  | 2535.5                  | 09 43 14                  | 14 49       | 04 18      | -18 40                              | 0.91               | 04 39              | 05 07              | 05 35       | 05 57      | 18 00              | 18 21              | 18 50              | 19 18 |
| Thur 19 | 2536.5                  | 09 47 10                  | 15 46       | 04 55      | -14 29                              | 0.96               | 04 37              | 05 06              | 05 34       | 05 56      | 18 00              | 18 22              | 18 50              | 19 19 |
| Fri 20  | 2537.5                  | 09 51 07                  | 16 42       | 05 28      | -09 44                              | 0.99               | 04 36              | 05 04              | 05 33       | 05 54      | 18 01              | 18 23              | 18 51              | 19 19 |
| Sat 21  | 2538.5                  | 09 55 03                  | 17 37       | 05 58      | .. ..                               | ....               | 04 35              | 05 03              | 05 31       | 05 53      | 18 01              | 18 23              | 18 51              | 19 20 |
| Sun 22  | 2539.5                  | 09 59 00                  | 18 30       | 06 26      | -04 36                              | 1.00               | 04 33              | 05 02              | 05 30       | 05 52      | 18 02              | 18 24              | 18 52              | 19 20 |
| Mon 23  | 2540.5                  | 10 02 56                  | 19 23       | 06 53      | +00 41                              | 0.99               | 04 32              | 05 00              | 05 29       | 05 51      | 18 03              | 18 24              | 18 53              | 19 21 |
| Tues 24 | 2541.5                  | 10 06 53                  | 20 16       | 07 20      | +05 57                              | 0.96               | 04 31              | 04 59              | 05 27       | 05 49      | 18 03              | 18 25              | 18 53              | 19 22 |
| Wed 25  | 2542.5                  | 10 10 50                  | 21 11       | 07 49      | +11 01                              | 0.92               | 04 29              | 04 58              | 05 26       | 05 48      | 18 04              | 18 26              | 18 54              | 19 22 |
| Thur 26 | 2543.5                  | 10 14 46                  | 22 07       | 08 20      | +15 42                              | 0.85               | 04 28              | 04 57              | 05 25       | 05 47      | 18 04              | 18 26              | 18 55              | 19 23 |
| Fri 27  | 2544.5                  | 10 18 43                  | 23 04       | 08 54      | +19 48                              | 0.78               | 04 27              | 04 55              | 05 23       | 05 45      | 18 05              | 18 27              | 18 55              | 19 24 |
| Sat 28  | 2545.5                  | 10 22 39                  | .. ..       | 09 34      | +23 07                              | 0.69               | 04 25              | 04 54              | 05 22       | 05 44      | 18 06              | 18 28              | 18 56              | 19 25 |
| Sun 29  | 2546.5                  | 10 26 36                  | 00 02       | 10 19      | +25 22                              | 0.59               | 04 24              | 04 53              | 05 21       | 05 43      | 18 06              | 18 28              | 18 57              | 19 25 |
| Mon 30  | 2547.5                  | 10 30 32                  | 00 59       | 11 12      | +26 20                              | 0.49               | 04 22              | 04 51              | 05 20       | 05 41      | 18 07              | 18 29              | 18 57              | 19 26 |