

Astronomy Calendar

WINTER/SPRING 2017

| DAY | TIME | EVENTS |
|-------------|-------|---|
| JUNE 2017 | | |
| 02 | 0:42 | ☾ FIRST QUARTER |
| 03 | 22:59 | Venus Elongation: 45.9° W |
| 09 | 10:21 | Moon at Apogee : 406,400 km |
| 10 | 1:10 | ☀ FULL MOON |
| 15 | 21:15 | Saturn Opposition |
| 17 | 23:33 | ☾ LAST QUARTER |
| 21 | 9:13 | Moon close to Venus: 2.4° N |
| 21 | 16:25 | Winter Solstice |
| 22 | 1:55 | Mercury Superior Conjunction |
| 23 | 22:49 | Moon at Perigee: 357,900 km |
| 24 | 14:31 | ☽ NEW MOON |
| JULY 2017 | | |
| 01 | 12:51 | ☾ FIRST QUARTER |
| 01 | 19:28 | Moon close to Jupiter: 2.9° S |
| 04 | 7:59 | Earth at Aphelion: 1.0167 AU |
| 06 | 16:27 | Moon at Apogee : 405,900 km |
| 09 | 16:07 | ☀ FULL MOON |
| 14 | 6:03 | Venus close to Aldebaran: 3.1° N |
| 17 | 7:26 | ☾ LAST QUARTER |
| 22 | 5:09 | Moon at Perigee: 361,200 km |
| 23 | 21:46 | ☽ NEW MOON |
| 30 | 15:59 | Mercury Elongation: 27.2° E |
| 31 | 3:23 | ☾ FIRST QUARTER |
| AUGUST 2017 | | |
| 03 | 5:55 | Moon at Apogee : 405,000 km |
| 03 | 19:31 | Moon close to Saturn: 3.8° S |
| 08 | 6:11 | ☀ FULL MOON |
| 08 | 6:20 | Partial Lunar Eclipse (visible from NZ) |
| 15 | 13:15 | ☾ LAST QUARTER |
| 19 | 1:14 | Moon at Perigee: 366,100 km |
| 22 | 6:25 | Total Solar Eclipse (not visible from NZ) |
| 22 | 6:30 | ☽ NEW MOON |
| 27 | 8:32 | Mercury Inferior Conjunction |
| 29 | 20:13 | ☾ FIRST QUARTER |
| 30 | 23:25 | Moon at Apogee : 404,300 km |

| DAY | TIME | EVENTS |
|----------------|-------|-------------------------------------|
| SEPTEMBER 2017 | | |
| 05 | 16:18 | Neptune Opposition |
| 06 | 19:03 | ☀ FULL MOON |
| 12 | 21:59 | Mercury Elongation: 17.9° W |
| 13 | 0:09 | Moon close to Aldebaran: 0.4° S |
| 13 | 18:25 | ☾ LAST QUARTER |
| 14 | 4:04 | Moon at Perigee: 369,900 km |
| 17 | 6:26 | Mercury close to Mars: 0.1° N |
| 20 | 17:30 | ☽ NEW MOON |
| 23 | 8:02 | SPRING EQUINOX |
| 24 | 2:00 | Daylight Saving starts |
| 27 | 19:49 | Moon at Apogee : 404,300 km |
| 28 | 15:54 | ☾ FIRST QUARTER |
| OCTOBER 2017 | | |
| 06 | 5:15 | Venus close to Mars: 0.2° N |
| 06 | 7:40 | ☀ FULL MOON |
| 09 | 9:33 | Mercury Superior Conjunction |
| 09 | 18:51 | Moon at Perigee: 366,900 km |
| 10 | 7:05 | Moon close to Aldebaran: 0.6° S |
| 13 | 1:25 | ☾ LAST QUARTER |
| 15 | 23:54 | Moon close to Regulus: 0.2° S |
| 20 | 6:24 | Uranus Opposition |
| 20 | 8:12 | ☽ NEW MOON |
| 21 | | Orionid Meteor Shower (Oct 2-Nov 7) |
| 25 | 15:25 | Moon at Apogee : 405,200 km |
| 28 | 11:22 | ☾ FIRST QUARTER |
| NOVEMBER 2017 | | |
| 04 | 18:23 | ☀ FULL MOON |
| 06 | 13:09 | Moon at Perigee: 361,400 km |
| 06 | 15:19 | Moon close to Aldebaran: 0.7° S |
| 11 | 9:37 | ☾ LAST QUARTER |
| 12 | 5:07 | Moon close to Regulus: 0.4° S |
| 13 | 21:14 | Venus close to Jupiter: 0.3° N |
| 17 | | Leonid Meteor Shower: Nov 14-21 |
| 19 | 0:42 | ☽ NEW MOON |
| 22 | 7:52 | Moon at Apogee : 406,100 km |
| 24 | 12:59 | Mercury Elongation: 22° E |
| 27 | 6:03 | ☾ FIRST QUARTER |
| 30 | 3:30 | Mars close to Spica: 3.1° N |