

# November

- 01 Mercury–Spica conjunction
- 04 New Moon  
Uranus at opposition
- 05 South Taurid meteor shower: ZHR = 10  
Moon at perigee: 222,948 miles [358,800 km]  
Moon at descending node
- 07 Moon–Venus conjunction  
End daylight saving time
- 08 Moon at southernmost declination: 26.3° S
- 09 Carl Sagan Day
- 10 Moon–Saturn conjunction
- 11 First Quarter Moon  
Moon–Jupiter conjunction
- 12 North Taurid meteor shower: ZHR = 15
- 17 Leonid meteor shower: ZHR = 15
- 19 Full Moon  
Partial lunar eclipse  
Moon at ascending node
- 20 Moon at apogee: 252,463

- miles [406,300 km]
- 22 Moon at northernmost declination: 26.3° N
- 23 Moon–Gemini Twins conjunction
- 24 Moon near Beehive Open Star Cluster
- 27 Last quarter Moon
- 28 Mercury at superior conjunction

# December

- 01 Neptune ends retrograde motion
- 02 Moon–Mars close conjunction
- 03 Moon at descending node
- 04 Total solar eclipse  
New Moon  
Moon Perigee: 221,705 miles [356,800 km]—  
supermoon #1
- 05 Moon at southernmost declination: 26.3° S
- 06 Moon–Venus conjunction

- 07 Moon–Saturn conjunction
- 09 Moon–Jupiter conjunction
- 10 First quarter Moon
- 14 Geminid meteor shower: ZHR = 120
- 16 Moon at ascending node
- 17 Moon at apogee: 252,463 miles [406,300 km]
- 18 Full Moon
- 19 Moon at northernmost declination: 26.3° N
- 21 Moon—Pollux conjunction  
December solstice 10:59 am EST
- 22 Moon near Beehive Open Star Cluster  
Ursid meteor shower: ZHR = 10
- 26 Last quarter Moon
- 27 Mars near Antares
- 28 Mercury–Venus conjunction
- 30 Moon descending node
- 31 Moon–Mars conjunction