

SKYTRACK 2010

Diary of Astronomical Events 2010

(All times listed are UT); Singapore Standard (Local) Time = UT + 8 h

January

d h

03 00 Earth at perihelion
04 02 Regulus 3.7° N of Moon
04 18 Mercury inferior conjunction
05 11 Mercury 3.4° N of Venus
07 10 LAST QUARTER
07 23 Spica 3.2° N of Moon
11 13 Antares 1.1° S of Moon
11 21 Venus superior conjunction
13 16 Mercury 4.5° N of Moon
14 18 Saturn stationary
15 07 NEW MOON (Solar Eclipse visible from Singapore; Mag 0.33) *
15 09 Venus 1.4° S of Moon
15 19 Mercury stationary
17 20 Neptune 3.3° S of Moon
18 06 Jupiter 4.2° S of Moon
20 06 Uranus 5.4° S of Moon
23 10 FIRST QUARTER
27 08 Mercury greatest elongation W (25°)
27 19 Mars nearest to Earth
29 19 Mars at opposition
30 06 FULL MOON
31 13 Regulus 3.7° N of Moon

** The Jan 15 event is an annular solar eclipse. Since Singapore is not within the path of annular eclipse, only partial eclipse can be seen from Singapore. The partial eclipse starts at 15 10 h Singapore Standard (Local) Time and ends at 17 32 h. Maximum eclipse is at 16 26 h. The eclipse magnitude (defined as the fraction of the Sun's diameter occulted by the Moon at maximum eclipse) is 0.33. The Sun's surface area occulted by the Moon at maximum eclipse (known as the eclipse obscuration) is 21%.*

February

d h

04 06 Spica 3.2° N of Moon
05 23 LAST QUARTER
07 19 Antares 1.2° S of Moon
08 05 Venus 1.0° S of Neptune
12 04 Mercury 2.2° S of Moon
14 02 NEW MOON
14 04 Neptune 3.4° S of Moon
14 20 Venus 5.0° S of Moon
14 23 Neptune at conjunction
15 01 Jupiter 4.6° S of Moon
16 14 Uranus 5.4° S of Moon
17 02 Venus 0.5° S of Jupiter
22 00 FIRST QUARTER
26 03 Mars 5.2° N of Moon
27 13 Mercury 1.7° S of Neptune
28 00 Regulus 3.8° N of Moon
28 10 Jupiter at conjunction
28 16 FULL MOON

March

d h

03 16 Spica 3.0° N of Moon
04 04 Venus 0.6° S of Uranus
07 02 Antares 1.3° S of Moon
07 15 LAST QUARTER
08 01 Mercury 1.1° S of Jupiter
11 09 Mars stationary
13 12 Neptune 3.6° S of Moon
14 12 Mercury superior conjunction
14 21 Jupiter 5.0° S of Moon
15 21 Mercury 0.6° S of Uranus
15 21 NEW MOON
15 23 Uranus 5.4° S of Moon
17 06 Uranus at conjunction
20 17 Equinox
22 00 Saturn at opposition
23 10 FIRST QUARTER

25 12 Mars 4.4° N of Moon
27 10 Regulus 3.9° N of Moon
30 02 FULL MOON
31 02 Spica 2.9° N of Moon

April

d h

03 11 Antares 1.5° S of Moon
06 09 LAST QUARTER
07 00 Pluto stationary
08 23 Mercury greatest elongation E (19°)
09 21 Neptune 3.8° S of Moon
11 17 Jupiter 5.5° S of Moon
12 09 Uranus 5.4° S of Moon
14 12 NEW MOON
15 21 Mercury 1.5° S of Moon
16 10 Venus 4.0° S of Moon
18 13 Mercury stationary
21 18 FIRST QUARTER
22 07 Mars 4.4° N of Moon
23 18 Regulus 4.1° N of Moon
27 12 Spica 2.9° N of Moon
28 12 FULL MOON
28 16 Mercury inferior conjunction
30 20 Antares 1.7° S of Moon

May

d h

02 20 Pluto 5.9° N of Moon
06 04 LAST QUARTER
07 06 Neptune 4.0° S of Moon
09 12 Jupiter 5.9° S of Moon
09 20 Uranus 5.6° S of Moon
11 00 Mercury stationary
14 01 NEW MOON
16 10 Venus 0.1° S of Moon
20 08 Mars 4.8° N of Moon

20 23 FIRST QUARTER
20 23 Regulus 4.2° N of Moon
24 19 Spica 3.0° N of Moon
26 03 Mercury greatest elongation W (25°)
27 23 FULL MOON
28 05 Antares 1.8° S of Moon
30 03 Pluto 5.9° N of Moon
31 16 Saturn stationary

June

d h

01 01 Neptune stationary
03 14 Neptune 4.2° S of Moon
04 22 LAST QUARTER
06 06 Uranus 5.8° S of Moon
07 04 Mars 0.8° N of Regulus
08 12 Jupiter 0.4° S of Uranus
08 17 Venus 4.7° S of Pollux
11 00 Mercury 5.2° S of Moon
12 11 NEW MOON
15 05 Venus 3.7° N of Moon
15 17 Mercury 4.5° N of Aldebaran
17 05 Regulus 4.3° N of Moon
17 14 Mars 5.3° N of Moon
19 04 FIRST QUARTER
21 01 Spica 3.1° N of Moon
21 11 Solstice
24 12 Antares 1.8° S of Moon
25 18 Pluto at opposition
26 10 Pluto 5.8° N of Moon
26 11 FULL MOON (Partial Lunar Eclipse visible from Singapore; Mag 0.54)
28 12 Mercury superior conjunction
30 22 Neptune 4.3° S of Moon

July

d h

03 14 Uranus 5.9° S of Moon
04 14 LAST QUARTER

06 00 Uranus stationary
06 08 Mercury 4.9° S of Pollux
06 09 Earth at aphelion
10 11 Venus 1.0° N of Regulus
11 19 NEW MOON (Solar Eclipse not visible from Singapore)
12 22 Mercury 3.9° N of Moon
14 13 Regulus 4.3° N of Moon
14 21 Venus 5.4° N of Moon
16 00 Mars 5.6° N of Moon
18 07 Spica 3.1° N of Moon
18 10 FIRST QUARTER
21 18 Antares 1.8° S of Moon
23 15 Pluto 5.8° N of Moon
24 03 Jupiter stationary
26 01 FULL MOON
27 21 Mercury 0.3° S of Regulus
28 03 Neptune 4.2° S of Moon
30 21 Uranus 5.9° S of Moon
31 08 Mars 1.8° S of Saturn

August

d h

03 04 LAST QUARTER
07 00 Mercury greatest elongation E (27°)
08 17 Venus 2.7° S of Saturn
10 03 NEW MOON
10 22 Regulus 4.3° N of Moon
11 23 Mercury 2.1° N of Moon
13 09 Venus 4.1° N of Moon
13 13 Mars 5.4° N of Moon
14 14 Spica 3.0° N of Moon
16 18 FIRST QUARTER
17 23 Antares 1.9° S of Moon
19 20 Pluto 5.6° N of Moon
20 01 Venus greatest elongation E (46°)
20 02 Mercury stationary
20 10 Neptune at opposition
20 19 Venus 2.0° S of Mars
24 08 Neptune 4.2° S of Moon
24 17 FULL MOON
27 02 Uranus 5.8° S of Moon

September

d h

01 06 Venus 1.0° S of Spica
01 17 LAST QUARTER
03 13 Mercury inferior conjunction
05 20 Mars 2.1° N of Spica
07 09 Regulus 4.3° N of Moon
07 21 Mercury 1.5° N of Moon
08 10 NEW MOON
10 23 Spica 2.8° N of Moon
11 05 Mars 4.7° N of Moon
11 12 Venus 0.3° N of Moon
12 02 Mercury stationary
14 01 Pluto stationary
14 06 Antares 2.1° S of Moon
15 05 FIRST QUARTER
16 01 Pluto 5.4° N of Moon
19 01 Jupiter 0.8° S of Uranus
19 19 Mercury greatest elongation W (18°)
20 13 Neptune 4.2° S of Moon
21 11 Jupiter at opposition
21 16 Uranus at opposition
23 03 Equinox
23 05 Uranus 5.7° S of Moon
23 09 FULL MOON

October

d h

01 00 Saturn at conjunction
01 03 LAST QUARTER
04 19 Regulus 4.5° N of Moon
07 18 NEW MOON
07 18 Venus stationary
08 10 Spica 2.7° N of Moon
08 11 Mercury 0.5° S of Saturn
09 17 Venus 3.2° S of Moon
10 00 Mars 3.5° N of Moon

11 15 Antares 2.3° S of Moon
13 10 Pluto 5.0° N of Moon
14 21 FIRST QUARTER
17 01 Mercury superior conjunction
17 07 Mercury 2.9° N of Spica
17 18 Neptune 4.4° S of Moon
20 10 Uranus 5.7° S of Moon
23 01 FULL MOON
29 01 Venus inferior conjunction
30 12 LAST QUARTER

November

d h

01 03 Regulus 4.7° N of Moon
04 20 Spica 2.7° N of Moon
05 08 Venus 0.1° N of Moon
06 04 NEW MOON
07 03 Mercury 1.7° N of Moon
07 07 Neptune stationary
07 21 Mars 1.7° N of Moon
08 01 Antares 2.4° S of Moon
09 20 Pluto 4.7° N of Moon
10 23 Mars 3.9° N of Antares
13 16 FIRST QUARTER
14 02 Neptune 4.6° S of Moon
15 17 Mercury 2.5° N of Antares
16 16 Uranus 5.9° S of Moon
16 16 Venus stationary
19 05 Jupiter stationary
20 19 Mercury 1.7° S of Mars
21 17 FULL MOON
28 09 Regulus 4.8° N of Moon
28 20 LAST QUARTER

December

d h

01 10 Mercury greatest elongation E (21°)

02 04 Spica 2.8° N of Moon
05 11 Antares 2.5° S of Moon
05 17 NEW MOON
06 10 Uranus stationary
06 21 Mars 0.5° S of Moon
07 07 Pluto 4.4° N of Moon
07 08 Mercury 1.7° S of Moon
10 07 Mercury stationary
11 11 Neptune 4.7° S of Moon
13 13 FIRST QUARTER
13 16 Mercury 4.5° S of Pluto
13 23 Mercury 1.0° N of Mars
14 00 Uranus 6.0° S of Moon
14 04 Mars 5.4° S of Pluto
20 01 Mercury inferior conjunction
21 08 FULL MOON (Lunar Eclipse not visible from Singapore)
21 23 Solstice
25 15 Regulus 4.8° N of Moon
27 01 Pluto at conjunction
28 04 LAST QUARTER
29 10 Spica 2.8° N of Moon
30 12 Mercury stationary