

Important Astronomical Events for the Year 2024

January

Date	Event
3	The Earth at perihelion
4	Moon at Last Quarter Quadrantid meteor shower 2024
7	Mercury at dichotomy
9	Conjunction of the Moon and Venus
10	Mercury at highest altitude in morning sky
11	New Moon
13	Mercury at greatest elongation west
14	Conjunction of the Moon and Saturn Close approach of the Moon and Saturn
17	The cluster NGC 2451 is well placed
18	Moon at First Quarter
19	Close approach of the Moon and Jupiter Conjunction of the Moon and Jupiter γ -Ursae Minorid meteor shower 2024
20	Close approach of the Moon and M45
25	Full Moon
31	The Omicron Velorum cluster is well placed

February

Date	Event
3	Moon at Last Quarter
8	Conjunction of the Moon and Venus α -Centaurid meteor shower 2024
10	New Moon
15	Close approach of the Moon and Jupiter Conjunction of the Moon and Jupiter
16	Moon at First Quarter
17	Close approach of the Moon and M45
24	Full Moon

March

Date	Event
3	Moon at Last Quarter
10	New Moon
14	Close approach of the Moon and Jupiter Conjunction of the Moon and Jupiter γ -Normid meteor shower 2024
15	Close approach of the Moon and M45
17	Moon at First Quarter
20	March equinox
23	Mercury at dichotomy
24	Mercury at highest altitude in evening sky Mercury at greatest elongation east
25	Full Moon Penumbral lunar eclipse

April

Date	Event
2	Moon at Last Quarter
6	Conjunction of the Moon and Mars Close approach of the Moon and Mars
8	Total solar eclipse
8	New Moon
11	Close approach of Saturn and Mars Conjunction of the Moon and Jupiter Conjunction of Saturn and Mars Close approach of the Moon and M45
16	Moon at First Quarter
21	Comet 12P/Pons-Brooks reaches peak brightness Comet 12P/Pons-Brooks passes perihelion
22	Lyrid meteor shower 2024
23	π -Puppis meteor shower 2024
24	Full Moon

May

Date	Event
1	Moon at Last Quarter
4	Conjunction of the Moon and Saturn Close approach of the Moon and Saturn
5	Close approach of the Moon and Mars Conjunction of the Moon and Mars η -Aquariid meteor shower 2024
8	η -Lyrid meteor shower 2024
8	New Moon
10	Mercury at greatest elongation west
11	Mercury at highest altitude in morning sky
15	Mercury at dichotomy Moon at First Quarter
23	Full Moon
30	Moon at Last Quarter
31	Conjunction of the Moon and Saturn Close approach of the Moon and Saturn

June

Date	Event
3	Close approach of the Moon and Mars Conjunction of the Moon and Mars
6	New Moon
10	Daytime Arietid meteor shower 2024
14	Moon at First Quarter
21	June solstice
22	Full Moon
27	June Bootid meteor shower 2024 Close approach of the Moon and Saturn Conjunction of the Moon and Saturn
29	Moon at Last Quarter
30	Saturn enters retrograde motion

July

Date	Event
1	Close approach of the Moon and Mars Conjunction of the Moon and Mars
2	Close approach of the Moon and M45
3	Conjunction of the Moon and Jupiter
5	The Earth at aphelion
6	New Moon
14	Moon at First Quarter
17	Mercury at highest altitude in evening sky
19	Mercury at dichotomy
21	Full Moon
22	Mercury at greatest elongation east
25	Close approach of the Moon and Saturn Conjunction of the Moon and Saturn
28	Moon at Last Quarter Piscis Austrinid meteor shower 2024
30	Close approach of the Moon and M45 Southern δ -Aquariid meteor shower 2024 α -Capricornid meteor shower 2024 Close approach of the Moon and Mars Conjunction of the Moon and Mars
31	Close approach of the Moon and Jupiter Conjunction of the Moon and Jupiter

August

Date	Event
4	New Moon
12	Perseid meteor shower 2024 Moon at First Quarter
14	Close approach of Jupiter and Mars Conjunction of Jupiter and Mars
17	κ-Cygnid meteor shower 2024
19	Full Moon
21	Close approach of the Moon and Saturn Conjunction of the Moon and Saturn
26	Close approach of the Moon and M45 Moon at Last Quarter
27	Close approach of the Moon and Jupiter Conjunction of the Moon and Jupiter
28	Close approach of the Moon and Mars Conjunction of the Moon and Mars
31	Aurigid meteor shower 2024

September

Date	Event
3	New Moon
5	Mercury at highest altitude in morning sky Mercury at greatest elongation west
6	Mercury at dichotomy
8	Saturn at opposition
9	September ϵ -Perseid meteor shower 2024
11	Moon at First Quarter
17	Close approach of the Moon and Saturn Conjunction of the Moon and Saturn
18	Full Moon Partial lunar eclipse
22	Close approach of the Moon and M45 September equinox
24	Close approach of the Moon and Jupiter Conjunction of the Moon and Jupiter
25	Moon at Last Quarter Conjunction of the Moon and Mars Close approach of the Moon and Mars
27	Daytime Sextantid meteor shower 2024 Comet C/2023 A3 (Tsuchinshan-ATLAS) passes perihelion

October

Date	Event
3	Annular solar eclipse
3	New Moon
5	October Camelopardalid meteor shower 2024 Close approach of the Moon and Venus
6	Conjunction of the Moon and Venus
8	Draconid meteor shower 2024
9	Jupiter enters retrograde motion
10	Southern Taurid meteor shower 2024
11	Moon at First Quarter δ -Aurigid meteor shower 2024
12	Comet C/2023 A3 (Tsuchinshan-ATLAS) passes perigee
14	Close approach of the Moon and Saturn Conjunction of the Moon and Saturn
17	Full Moon
18	ϵ -Geminid meteor shower 2024
20	Close approach of the Moon and M45
21	Orionid meteor shower 2024 Close approach of the Moon and Jupiter Conjunction of the Moon and Jupiter
24	Conjunction of the Moon and Mars Close approach of the Moon and Mars Leonis Minorid meteor shower 2024 Moon at Last Quarter

November

Date	Event
1	New Moon
5	Close approach of the Moon and Venus Conjunction of the Moon and Venus
9	Moon at First Quarter
11	Close approach of the Moon and Saturn Conjunction of the Moon and Saturn
12	Northern Taurid meteor shower 2024
15	Saturn ends retrograde motion
16	Full Moon Close approach of the Moon and M45 Mercury at greatest elongation east
17	Leonid meteor shower 2024 Close approach of the Moon and Jupiter Conjunction of the Moon and Jupiter The Pleiades cluster is well placed
18	Mercury at highest altitude in evening sky
21	Conjunction of the Moon and Mars Close approach of the Moon and Mars Mercury at dichotomy α -Monocerotid meteor shower 2024
23	Moon at Last Quarter
27	The Hyades cluster is well placed
28	November Orionid meteor shower 2024

December

Date	Event
1	New Moon
2	Pheonicid meteor shower 2024
5	Conjunction of the Moon and Venus Close approach of the Moon and Venus December ϕ -Cassiopeid meteor shower 2024
6	Jupiter at perigee Puppilid-Velid meteor shower 2024
7	Mars enters retrograde motion
8	Jupiter at opposition Close approach of the Moon and Saturn Conjunction of the Moon and Saturn Moon at First Quarter Monocerotid meteor shower 2024
11	σ -Hydrid meteor shower 2024
13	Close approach of the Moon and M45
14	Geminid meteor shower 2024 Close approach of the Moon and Jupiter
15	Conjunction of the Moon and Jupiter Full Moon Comae Berenicid meteor shower 2024
18	Conjunction of the Moon and Mars Close approach of the Moon and Mars
19	December Leonis Minorid meteor shower 2024
20	Mercury at dichotomy
21	December solstice
22	Ursid meteor shower 2024
23	Moon at Last Quarter
24	Mercury at highest altitude in morning sky
25	Mercury at greatest elongation west