

2024 CELESTIAL CALENDAR



- NEW MOON
- FULL MOON
- SUPERMOON
- MERCURY GREATEST ELONGATION

- SOLAR ECLIPSES
 - APR 8 TOTAL SOLAR ECLIPSE OBSERVABLE ACROSS NORTH AMERICA
 - OCT 2 ANNULAR SOLAR ECLIPSE OBSERVABLE ACROSS PARTS OF SOUTH AMERICA

- CONJUNCTIONS
 - JAN 18 MOON AND JUPITER
 - JAN 20 MOON AND M45
 - FEB 16 MOON AND M45
 - MAR 3 MOON AND ANTARES
 - MAR 14 MOON AND M45
 - APR 11 MOON AND M45
 - MAY 3 MOON AND SATURN
 - MAY 31 MOON AND SATURN
 - JUN 1 MOON AND MARS
 - JUL 2 MOON AND M45
 - JUL 24 MOON AND SATURN
 - JUL 29 MOON AND M45
 - AUG 14 JUPITER AND MARS
 - AUG 25 MOON AND M45
 - SEP 22 MOON AND M45
 - OCT 19 MOON AND M45
 - OCT 23 MOON, POLLUX, AND MARS
 - NOV 10 MOON AND SATURN
 - NOV 16 MOON AND M45
 - NOV 20 MOON, MARS, AND BEEHIVE CLUSTER
 - DEC 3 MARS AND BEEHIVE CLUSTER
 - DEC 7 MOON AND SATURN
 - DEC 13 MOON AND M45
 - DEC 18 MOON AND MARS

- LUNAR OCCULTATION
 - JAN 8 ANTARES
 - JUN 27 SATURN
 - AUG 20 SATURN
- BEST NIGHT TO OBSERVE
 - JAN 2 LITTLE BEEHIVE CLUSTER (M41)
 - JAN 15 OPEN CLUSTER (M47)
 - JAN 31 BEEHIVE CLUSTER (M44)
 - FEB 19 BODE'S GALAXY (M81)
 - MAR 4-9 MESSIER MARATHON
 - APR 1 SOMBRERO GALAXY (M104)
 - APR 15 WHIRLPOOL GALAXY (M51) AND SOUTHERN PINWHEEL GALAXY (M83)
 - APR 17 GLOBULAR CLUSTER (M3)
 - APR 22 PINWHEEL GALAXY (M101)
 - MAY 11 ROSE CLUSTER (M5)
 - MAY 28 SPIDER GLOBULAR (M4)
 - JUN 1 GREAT HERCULES CLUSTER (M13)
 - JUN 5 GLOBULAR CLUSTER (M10)
 - JUN 10 GLOBULAR CLUSTER (M92)
 - JUN 16 BUTTERFLY CLUSTER (M6)

- JUN 18 CLUSTER IC 4665
- JUN 20 PTOLEMY'S CLUSTER (M7)
- JUN 22 LAGOON NEBULA (M8)
- JUN 30 GREAT SAGITTARIUS CLUSTER (M22)
- AUG 13 GREAT PEGASUS CLUSTER (M15)
- AUG 14 GLOBULAR CLUSTER (M2)
- OCT 1 ANDROMEDA GALAXY (M31)
- OCT 26 PERSEUS DOUBLE CLUSTER
- NOV 17 PLEIADES OPEN CLUSTER (M45)
- DEC 14 GREAT ORION NEBULA (M42) AND RUNNING MAN CLUSTER
- DEC 29 ROSETTE NEBULA

- METEOR SHOWERS
 - JAN 3-4 QUADRANTIDS
 - APR 22-23 LYRIDS
 - MAY 4-5 ETA AQUARIDS
 - JUL 28-29 DELTA AQUARIDS
 - AUG 11-12 PERSEIDS
 - OCT 7-8 DRACONIDS
 - OCT 21-22 ORIONIDS
 - NOV 17-18 LEONIDS
 - DEC 13-14 GEMINIDS

- COMET - CLOSEST APPROACH
 - JUN 2 COMET 12PIPONS-BROOKS
 - OCT 12 COMET C/2023 A3 (TSUCHINSHAN-ATLAS)

- EQUINOXES AND SOLSTICES
 - MAR 19-20 VERNAL EQUINOX
 - JUN 20 JUNE SOLSTICE
 - SEP 22 AUTUMNAL EQUINOX
 - DEC 21 DECEMBER SOLSTICE