

# 2023 CELESTIAL CALENDAR



**JANUARY**

| S  | M  | T  | W  | T  | F  | S  |
|----|----|----|----|----|----|----|
| 1  | 2  |    |    | 4  | 5  |    |
| 8  | 9  | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 |    |
|    |    | 24 | 25 | 26 | 27 | 28 |
|    |    |    |    |    |    |    |

**FEBRUARY**

| S  | M  | T  | W  | T  | F  | S  |
|----|----|----|----|----|----|----|
|    |    |    |    | 2  | 3  | 4  |
|    | 6  | 7  | 8  | 9  | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 |    | 21 |    | 23 | 24 | 25 |
| 26 | 27 |    |    |    |    |    |

**MARCH**

| S  | M  | T  | W  | T  | F  | S  |
|----|----|----|----|----|----|----|
|    |    |    | 1  |    | 3  | 4  |
| 5  | 6  |    | 8  | 9  | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 |    |    |    |    |    | 25 |
| 26 | 27 |    | 29 | 30 | 31 |    |

**APRIL**

| S  | M  | T  | W  | T  | F  | S  |
|----|----|----|----|----|----|----|
|    |    |    |    |    |    | 1  |
| 2  | 3  | 4  | 5  |    | 7  | 8  |
| 9  |    |    | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 |    |    | 21 |
|    | 24 | 25 | 26 | 27 | 28 |    |
| 30 |    |    |    |    |    |    |

**MAY**

| S  | M  | T  | W  | T  | F  | S  |
|----|----|----|----|----|----|----|
|    | 1  | 2  | 3  | 4  |    |    |
| 7  | 8  | 9  | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 |    | 18 |    | 20 |
| 21 | 22 |    | 24 | 25 | 26 | 27 |
| 28 |    | 30 | 31 |    |    |    |

**JUNE**

| S  | M  | T  | W  | T  | F  | S  |
|----|----|----|----|----|----|----|
|    |    |    |    | 1  | 2  |    |
|    | 5  | 6  | 7  | 8  |    | 10 |
| 11 | 12 | 13 |    | 15 | 16 | 17 |
|    | 19 | 20 |    |    | 22 | 23 |
| 25 | 26 | 27 | 28 | 29 | 30 |    |

**JULY**

| S  | M  | T  | W  | T  | F  | S  |
|----|----|----|----|----|----|----|
|    |    |    |    |    |    | 1  |
| 2  |    | 4  | 5  | 6  |    | 8  |
| 9  | 10 |    | 12 | 13 | 14 | 15 |
| 16 |    | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 |    | 29 |
| 30 | 31 |    |    |    |    |    |

**AUGUST**

| S  | M  | T  | W  | T  | F  | S  |
|----|----|----|----|----|----|----|
|    |    |    |    | 2  | 3  | 4  |
| 6  | 7  |    | 9  | 10 | 11 |    |
| 13 | 14 | 15 |    | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
|    | 28 | 29 |    |    |    |    |

**SEPTEMBER**

| S  | M  | T  | W  | T  | F  | S  |
|----|----|----|----|----|----|----|
|    |    |    |    |    |    | 1  |
| 2  | 3  | 4  | 5  | 6  | 7  | 8  |
| 9  | 10 | 11 | 12 | 13 | 14 |    |
| 15 | 16 | 17 | 18 |    | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 |    | 28 |
| 29 | 30 | 31 |    |    |    |    |

**OCTOBER**

| S  | M  | T  | W  | T  | F  | S  |
|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  |
|    | 9  | 10 | 11 | 12 | 13 |    |
| 15 | 16 | 17 | 18 | 19 | 20 |    |
| 22 | 23 |    |    | 25 | 26 | 27 |
| 29 | 30 | 31 |    |    |    |    |

**NOVEMBER**

| S  | M | T  | W  | T  | F  | S  |
|----|---|----|----|----|----|----|
|    |   |    |    | 1  | 2  |    |
| 5  | 6 | 7  | 8  |    |    | 10 |
| 12 |   |    | 14 | 15 | 16 |    |
| 19 |   | 21 | 22 | 23 | 24 |    |
| 26 |   | 28 | 29 | 30 |    |    |

**DECEMBER**

| S  | M  | T  | W  | T  | F  | S  |
|----|----|----|----|----|----|----|
|    |    |    |    |    |    | 1  |
| 2  | 3  | 4  | 5  | 6  | 7  | 8  |
| 9  | 10 | 11 |    |    | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 |    | 23 |
| 24 | 25 | 26 | 27 |    | 28 | 29 |
| 30 | 31 |    |    |    |    |    |

- NEW MOON**
- FULL MOON**
- SUPER MOON**
- MERCURY GREATEST ELONGATION**
- VENUS GREATEST ELONGATION**
- SATURN OPPOSITION**
- JUPITER OPPOSITION**
- NEPTUNE OPPOSITION**
- URANUS OPPOSITION**
- LUNAR ECLIPSES**  
**MAY 05**  
**PENUMBRAL LUNAR ECLIPSE**  
OBSERVABLE ACROSS PARTS OF AUSTRALIA AND INDONESIA  
**OCT 28**  
**PARTIAL LUNAR ECLIPSE**  
OBSERVABLE EUROPE, ASIA, AFRICA, AND AUSTRALIA.
- SOLAR ECLIPSES**  
**APR 20**  
**HYBRID SOLAR ECLIPSE**  
OBSERVABLE ACROSS PARTS OF AUSTRALIA AND INDONESIA  
**OCT 14**  
**ANNULAR SOLAR ECLIPSE**  
OBSERVABLE IN SOUTHERN CANADA, SOUTH WESTERN UNITED STATES, CENTRAL AMERICA, COLUMBIA, AND BRAZIL.
- ASTRONOMY DAY**

- METEOR SHOWERS**  
**JAN 03-04** QUADRANTIDS  
**APR 22-23** LYRIDS  
**MAY 06-07** ETA AQUARIDS  
**JUL 28-29** DELTA AQUARIDS  
**AUG 12-13** PERSEIDS  
**OCT 08-09** DRACONIDS  
**OCT 21-22** ORIONIDS  
**NOV 04-05** TAURIDS  
**NOV 17-18** LEONIDS  
**DEC 13-14** GEMINIDS  
**DEC 21-22** URSIDS
- COMET**  
**FEB 1** C2022E3 (ZTF) REACHES ITS BRIGHTEST
- EQUINOXES AND SOLSTICES**  
**MAR 20** MARCH EQUINOX  
**JUN 21** JUNE SOLSTICE  
**SEP 23** SEPTEMBER EQUINOX  
**DEC 22** DECEMBER SOLSTICE

- CONJUNCTIONS**  
**JAN 03** MARS AND MOON  
**JAN 22** VENUS AND SATURN  
**JAN 31** MARS AND MOON  
**FEB 22** VENUS AND MOON  
**MAR 22** JUPITER AND MOON  
**MAR 23** VENUS AND MOON  
**MAR 28** MARS AND MOON  
**APR 10** VENUS AND PLEAIDES  
**APR 23** VENUS AND MOON  
**MAY 23** MARS, MOON AND VENUS  
**JUN 03** MARS AND M44  
**JUN 09** SATURN AND MOON  
**JUN 14** JUPITER AND MOON  
**JUN 21** MARS, MOON AND VENUS  
**JUL 07** SATURN AND MOON  
**JUL 11** JUPITER AND MOON
- LUNAR OCCULTATION**  
**JAN 29** URANUS  
**FEB 28** MARS  
**MAY 17** JUPITER  
**MAR 24** VENUS  
**NOV 09** VENUS
- AUG 08** JUPITER AND MOON  
**AUG 30** SATURN AND MOON  
**SEP 16** MARS AND MOON  
**SEP 27** SATURN AND MOON  
**OCT 24** SATURN AND MOON  
**NOV 9** VENUS AND MOON  
**NOV 20** SATURN AND MOON  
**NOV 25** JUPITER AND MOON  
**DEC 17** SATURN AND MOON  
**DEC 22** JUPITER AND MOON  
**DEC 24** M45 AND MOON