



## Sun, Planets and Transitions

The **Sun** will be in Taurus, the Bull (*Vrushabha*) on 1 June. Its angular diameter will be 31'33.0". The June solstice will be on 21 June. On this day, the **Sun** reaches its northernmost declination at about 2 pm Indian Standard Time. The next day on 22 June, it moves to Gemini, the Twins (*Mithuna*). On 30 June, its angular size will decrease to 31'28.0".

All the five naked-eye planets will be easily visible this month, if the weather permits. **Mercury**, **Venus** and **Jupiter** are in the evening sky above the western horizon at dusk; **Mars** and **Saturn** are above the eastern horizon at dawn.

**Mercury**, which is back above the western horizon at sunset, will be easy to view at the beginning of the month. It will reach its maximum eastern elongation on 17 June.

Between 8 and 9 June, **Venus** (mag -4.0) passes north of **Jupiter** (mag -1.9), with **Mercury** (mag 0.0) about 13° to their west. This should be a good photo opportunity, provided there are no clouds above the western horizon at dusk.

**Mars** and **Saturn** are in the morning sky with their western elongations increasing steadily.

**Mercury** will be in Taurus, the Bull (*Vrushabha*), on 1 June. It moves to Gemini on 2 June and remains in this constellation till the end of the month.

### Ephemeris of Mercury:

Date	Alt*	Diam"	Mag	El°
01 Jun	+12°15'	6.2	-0.5	19.2 E
10 Jun	+16°58'	7.3	0.2	23.8 E
20 Jun	+16°34'	9.0	1.0	23.8 E
30 Jun	+09°24'	10.9	2.2	17.6 E

**Venus** will be in Gemini on 1 June. It moves to Cancer, the Crab (*Karka*) on 10 June and then to

### List of Events in June 2026 (Time in IST)

Dt	Dy	Time	Event
01	Mo	10:02	Moon apogee: 406400 km
01	Mo	22:29	Moon south declination: 28° S
07	Su	11:49	Moon ascending node
07	Su	21:45	Venus-Pollux: 4.7° S
08	Mo	15:30	Last quarter
10	We	01:41	Venus-Jupiter: 1.6° N
10	We	12:19	Saturn 5.5° S of Moon
12	Fr	23:55	Mars 5.4° S of Moon
13	Sa	18:45	Moon-Pleiades: 0.9° S
15	Mo	04:48	Moon Perigee: 357200 km
15	Mo	08:24	New Moon
15	Mo	10:59	Moon north declination: 28° N
16	Tu	01:29	Mercury elongation: 24.5° E
17	We	01:02	Moon-Mercury: 2.6° S
17	We	12:24	Moon-Jupiter: 2.5° S
17	We	06:36	Pollux 3.5° N of Moon
17	We	23:27	Jupiter 2.5° S of Moon
18	Th	01:51	Moon-Venus: 0.3° S
18	Th	05:10	Moon-Beehive: 0.6° S
18	Th	20:29	Mercury-Pollux: 6.4° S
19	Fr	20:01	Moon-Regulus: 0.3° N
19	Fr	21:14	Venus-Beehive: 0.4° N
19	Fr	23:27	Moon descending node
21	Su	13:55	Summer/June Solstice
22	Mo	03:25	First quarter
24	We	01:41	Moon-Spica: 2.3° N
25	Th	17:24	Mercury-Jupiter: 3.8° N
27	Sa	20:02	Moon-Antares: 0.5° N (conjunction)
28	Su	12:41	Moon apogee: 406300 km
29	Mo	00:00	Mars-Pleiades: 4.4° S
29	Mo	03:36	Moon south declination: 28° S
29	Mo	07:28	Mercury stationary in RA

Leo, the Lion (*Simha*), on 29 June.

### Ephemeris of Venus:

Date	Alt*	Diam"	Mag	El°
01 Jun	+27°27'	13.3	-4.0	35.0 E
10 Jun	+29°29'	4.0	-4.0	37.0 E
20 Jun	+31°06'	14.9	-4.0	39.1 E
30 Jun	+31°55'	15.9	-4.1	40.9 E

**Mars** will be in Aries, the Ram (*Mesha*) on 1 June. It moves to Taurus on 20 June. Between 28 and 29 June, it passes south of the Pleiades (*Kruttika*).

**Ephemeris of Mars:**

Date	Alt*	Diam''	Mag	EI°
01 Jun	+19°29'	4.3	1.3	30.8 W
10 Jun	+22°11'	4.3	1.3	32.8 W
20 Jun	+25°02'	4.4	1.3	35.0 W
30 Jun	+27°41'	4.4	1.3	37.4 W

**Jupiter** will be in Gemini on 1 June. It moves to Cancer on 22 June.

**Ephemeris of Jupiter:**

Date	Alt*	Diam''	Mag	EI°
01 Jun	+34°42'	33.0	-1.9	43.1 E
10 Jun	+28°13'	32.5	-1.8	36.2 E
20 Jun	+21°06'	32.0	-1.8	28.7 E
30 Jun	+14°05'	31.7	-1.8	21.3 E

**Saturn** will remain in Cetus, the Whale.

**Ephemeris of Saturn:**

Date	Alt*	Diam''	Ring"#	Mag	EI°
01 Jun	+39°54'	16.6	37.7	0.8	58.3 W
10 Jun	+47°29'	16.8	38.2	0.8	66.2 W
20 Jun	+55°47'	17.1	38.8	0.8	75.1 W
30 Jun	+63°40'	17.4	39.4	0.8	84.1 W

# Angular diameter of the major axis of the ring.

\* Altitudes of a planet are given for the beginning of civil twilight if the planet is to the west of the Sun, or for the end of civil twilight if the planet is to the east of the Sun.

*(Disclaimer: We categorically mention here that we do not believe in astrology and believe that the only influence a planet has on us is to give us the viewing pleasure of its beauty. The sole purpose of giving the transition of planets and the Sun is to acquaint the reader with the Indian nomenclature of planets and constellations and also to show that the actual positions of the Sun and planets, which are based on modern computing, are very different from those given in astrology tables.)*

**March of the Moon**

After the Blue Moon on 31 May, the bright Full Moon can be seen setting over the western horizon at dawn. From 2 to 4 June, the Moon can be seen moving through Sagittarius. On 10 June it can be seen northwest of Saturn. On 12 June, it will be above Mars in the pre-dawn sky; the next day, it will be north of the planet.

New Moon is on 15 June. A few days after that, the evenings post sunset will be interesting for observation as the Moon slides past Mercury, Jupiter and Venus, in that order.

On 16 June, the thin lunar crescent can be seen above the western horizon soon after sunset. To its southeast will be Mercury. The next day on 17 June, the two-day old crescent Moon will be halfway between Venus and Jupiter. On 18 June, the three planets will be almost in line with the Moon.

On 19 June, the Moon slides past Regulus (*Magha*) from the south. At around 8 pm it will be barely 3° south of the star. The Moon then passes south of Spica (*Chitra*). Two days before Full Moon on 27 June, it can be seen south of Antares (*Jyeshtha*). The bright Full Moon will be in Sagittarius on 29 June.

***“The most important feature of any telescope is the imagination with which it is used.”***

**Astronomer Vera Rubin, aka Mother of Dark Matter, in “The Dedication of the Vatican Telescope,” 1993 address published in *Bright Galaxies, Dark Matters*, p. 80 (<https://carnegiescience.edu/news/10-inspiring-quotes-astronomer-vera-rubin>)**

# Events Involving the Moons of Jupiter

In the table below, we list the events visible from India. The table gives the timings of eclipses, occultations, transits and shadow transits of the moons of Jupiter, suitable for Indian observers. The timings are given in Indian Standard Time (IST).

The output is given as per the following abbreviations and notations:

Columns: 1 = date; 2 = time; and 3 = satellite number.event type.phase.

Satellite numbers: 1 = Io; 2 = Europa; 3 = Ganymede; and 4 = Callisto.

Event type: Ec = eclipse; Oc = occultation; Tr = transit; and Sh = shadow transit.  
Phase: D = disappear; R = reappear; I = ingress; and E = egress.

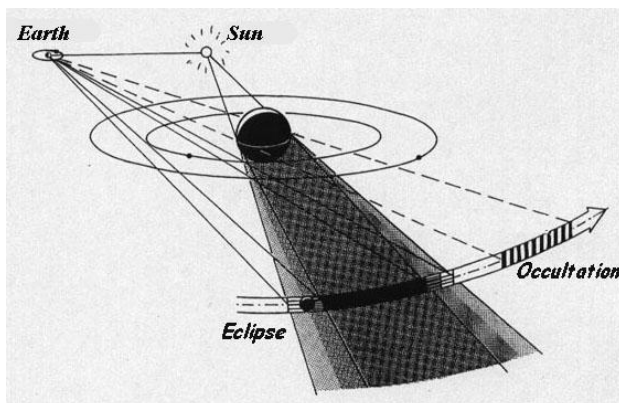
Example:

01	22:08:30	4.Ec.D
04	20:01:54	1.Oc.D
	20:15:24	2.Oc.D

Means that

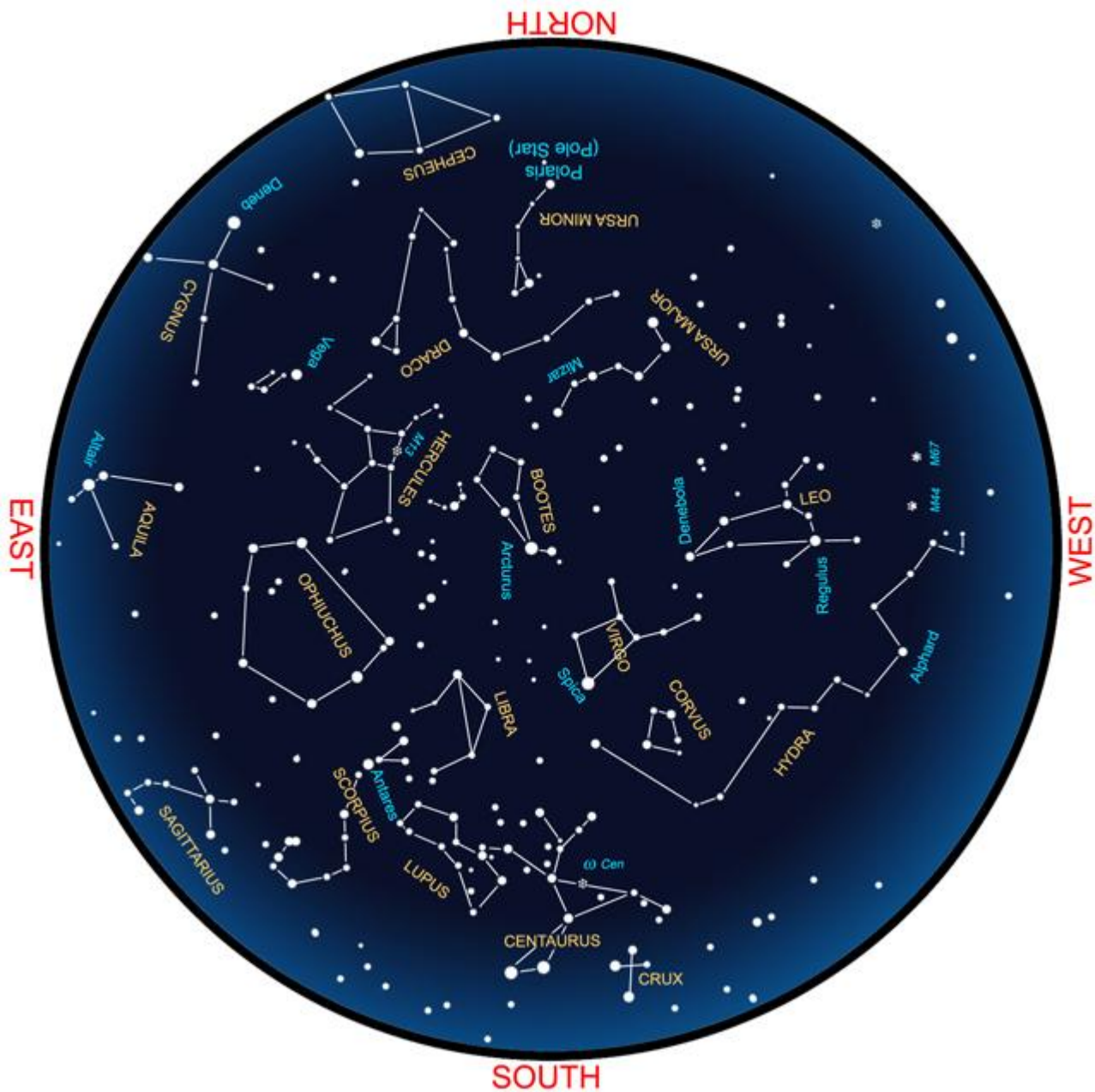
At 22:08:30 hours on 1 June, Callisto will disappear behind Jupiter's shadow. On 4 June at 20:01:54 hours, Io will disappear behind the disk of the planet. Thirteen-and-a-half minutes later, Europa will do the same.

Satellites of Jupiter in June 2026										
<u>1</u>	<u>2</u>	<u>3</u>		<u>1</u>	<u>2</u>	<u>3</u>		<u>1</u>	<u>2</u>	<u>3</u>
01	20:08:30	4.Ec.D		06	19:26:30	3.Sh.I		13	20:32:24	3.Tr.I
04	20:01:54	1.Oc.D			19:34:42	3.Tr.E			20:34:12	2.Tr.E
	20:15:24	2.Oc.D		12	19:18:36	1.Tr.I		20	20:30:12	2.Tr.I
05	19:35:12	1.Tr.E			20:03:00	1.Sh.I		22	19:29:06	2.Ec.R
	20:25:36	1.Sh.E		13	19:09:00	2.Sh.I		26	19:58:36	4.Tr.I
06	19:25:18	2.Sh.E			19:33:00	1.Ec.R		28	20:09:36	1.Tr.E



Eclipses occur when the satellites pass in the shadow of Jupiter. Occultations occur when the satellites pass behind Jupiter for a terrestrial observer. (Picture courtesy: <https://promenade.imcce.fr/en/pages3/365.html>)

This sky map for June is drawn for mid-northern latitudes,  
to be used around 9:30 p.m. local time



For the latest updates, please visit <https://skytonight.wordpress.com/monthly-sky-notes-and-links/>

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