





ASTRONOMICAL DIARY

PREPARED BY ASTRONOMICAL PUBLICATION AND PLANETARIUM UNIT, SPACE SCIENCE AND ASTRONOMY SECTION

ASTRONOMICAL EVENTS, NOVEMBER 2024

DATE	EVENT	TIME
05	Close approach of Waxing Crescent Moon and Venus	07:42 a.m.
05	Conjunction of Waxing Crescent Moon and Venus	08:15 a.m.
11	Close approach of Waxing Gibbous Moon and Saturn	09:38 a.m.
11	Conjunction of Waxing Gibbous Moon and Saturn	09:43 a.m.
14	Moon at Perigee (Distance = 360,204.917 km)	07:16 p.m.
15	Saturn enters retrograde motion	10:37 p.m.
16	Mercury at Greatest Elongation East	04:09 p.m.
17	Close approach of the Moon and Jupiter	09:52 p.m.
17	Conjunction of the Moon and Jupiter	10:53 p.m.
17	Leonid meteor shower (ZHR = 15)	---
18	Mercury at Highest Altitude in the Evening Sky	---
21	Mercury at dichotomy	08:32 a.m.
21	Conjunction of the Moon and Mars	05:09 a.m.
21	Close approach of the Moon and Mars	06:27 a.m.
26	Moon at Apogee (Distance = 405,255.192 km)	07:56 p.m.

PHASES OF THE MOON

	New Moon Nov 01 08:47 p.m.
	First Quarter Nov 09 01:55 p.m.
	Full Moon Nov 16 05:28 a.m.
	Last Quarter Nov 23 09:28 a.m.

RISE AND SET TIMES OF PLANETS

DATE	MERCURY		VENUS		MARS		JUPITER		SATURN	
	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set
Nov 01	07:13 am	06:31 pm	08:41 am	07:51 pm	10:50 pm	11:44 am*	08:02 pm	08:59 am*	02:19 pm	02:07 am*
Nov 11	07:34 am	06:44 pm	08:55 am	08:04 pm	10:25 pm	11:18 am*	07:19 pm	08:15 am*	01:39 pm	01:27 am*
Nov 21	07:39 am	06:47 pm	09:08 am	08:17 pm	09:56 pm	10:49 am*	06:35 pm	07:31 am*	12:59 pm	12:48 am*
Nov 30	07:05 am	06:14 pm	09:18 am	08:30 pm	09:26 pm	10:19 am*	05:55 pm	06:51 am*	12:24 pm	12:13 am*



C/2023 A3 Tsuchinshan-ATLAS

Comet C/2023 A3 (Tsuchinshan-ATLAS) made its closest approach to Earth on 12 October 2024 at a distance of 0.46 AU, with an estimated visual magnitude of 2.8. This November, the comet is likely to vanish from our night sky as it is already on its return voyage to the outer solar system. This comet, referred to as the “comet of the century”, will be visible again after another 80,000 years and that's only if it survives its orbit around the solar system. This image of Comet C/2023 A3 (Tsuchinshan-ATLAS) streaking across the western sky of the Philippines was taken on 18 October 2024.



C/2023 A3 (TSUCHINSHAN-ATLAS)
CANON EOS 60 Mark II VFA, 2 sec, ISO 1600, 70mm
PAGASA Astronomical Observatory, 2700 Alibon Road, Marikina City

Notes:

[1] All times displayed are in Philippine Standard Time (PhST)

[2] *following day

“tracking the sky...helping the country”

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