

M15 Globular Cluster, (Pegasus)

Continuing a series of photograph's of the Messier Objects.

By Credit: NASA, ESA - <http://www.spacetelescope.org/images/heic1321a/> <http://www.spacetelescope.org/static/archives/images/large/heic1321a.jpg>, CC BY 3.0, <https://commons.wikimedia.org/w/index.php?curid=>



Rugby & District Astronomical Society

www.rugbyastro.org.uk

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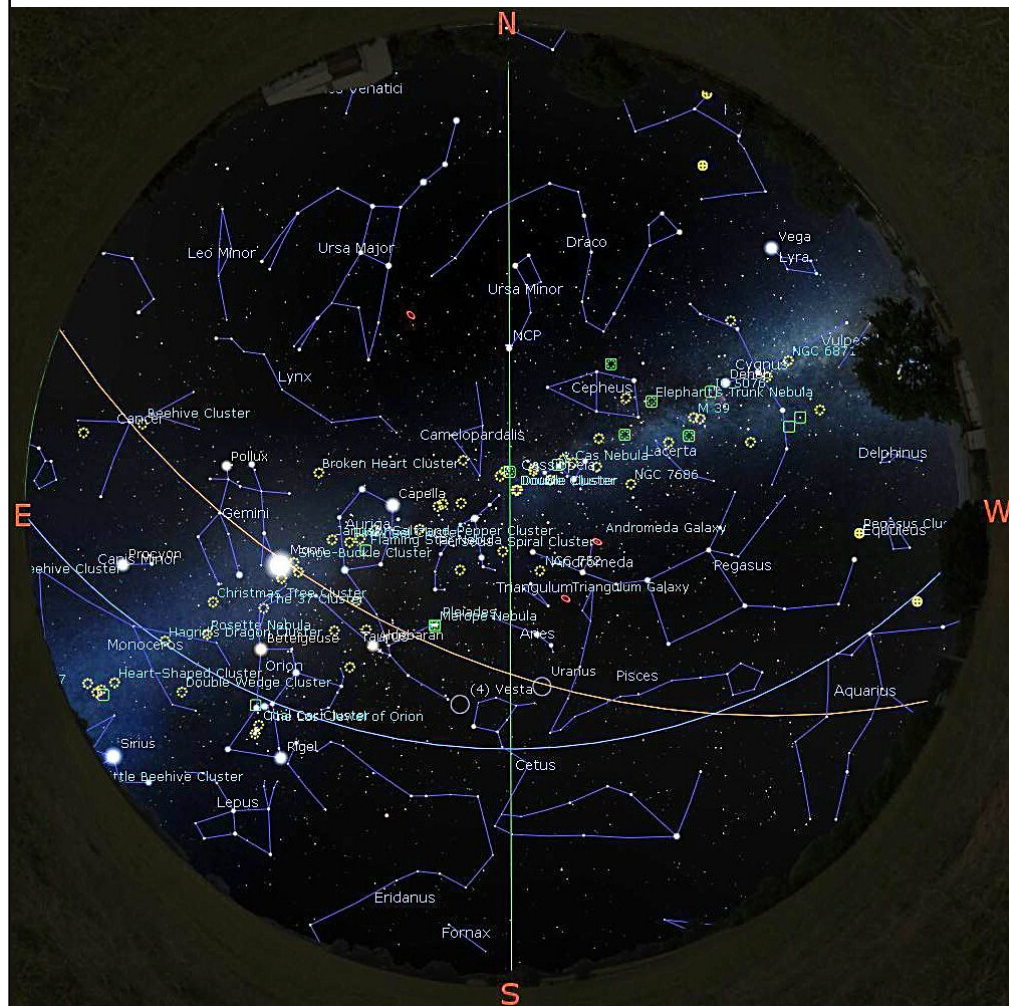
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Sky Notes





by Chris Longthorn

November 2019, no 122

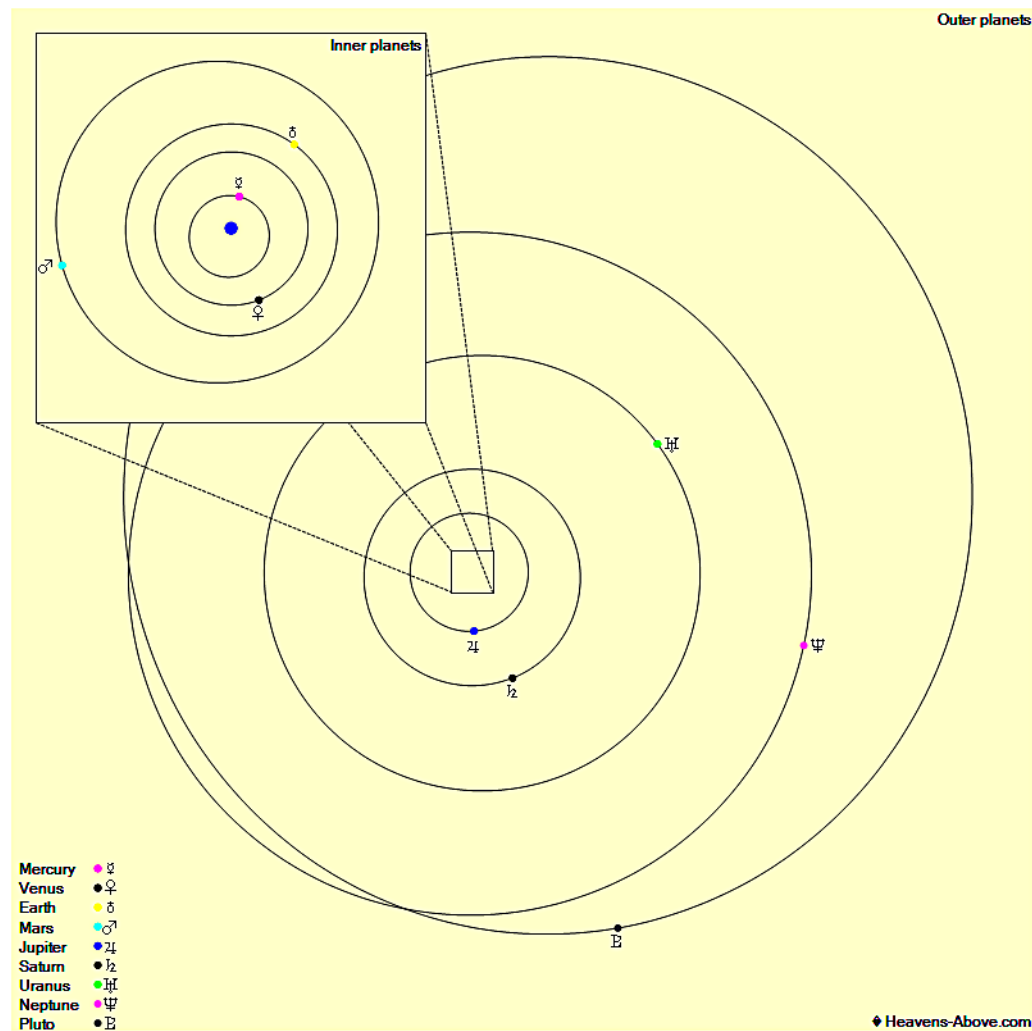


The night sky at 23:00 U.T.C., November 15th 2019

2019 November

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
27	 28 New Moon 03:38 Uranus Opp 08:17	29 Moon-Venus 13:33	30	31 Mercury-Ven 04:22 Moon-Jupiter 14:22	1 Venus 20.8° E	2 Moon-Saturn 07:31
3	 4 First Quarter 10:23	5 S. Taurids 23:41	6	7	8	9
10	11 Mercury Infer 15:17	 12 Full Moon 13:34 N. Taurids 22:57	13	14 ISS, -3.3, 18:54, 58°, NW	15 ISS, -3.5, 18:06, 51°, SE	16
17 R&DAS Meeting, 19:30	18 Leonids 05:15	 19 Last Quarter 21:11 ISS, -3.6, 04:52, 72°, NE	20	21	22 Observing at Barby - No Moon	23 Observing at Barby - No Moon
24 Moon-Mars 09:02 Venus-Jup 12:17	25	 26 New Moon 15:06	27	28 Mercury West 09:59 Moon-Jupiter 10:49 Moon-Venus 18:50	29 Moon-Saturn 21:12 Observing at Barby - Crescent Moon	30 Observing at Barby - Crescent Moon

The Planets, mid month.



Mercury is in Libra with a magnitude of +2.4, a phase of 8%, and a diameter of 9". It rises at 06:36, transits at 11:17, and sets at 15:59. It is visible low in the east before sunrise.

Venus is in Ophiuchus with a magnitude of -3.9, a phase of 91%, and a diameter of 11". It rises at 09:45, transits at 13:31, and sets at 17:17. It is visible low in the west after sunset.

Mars is in Virgo with a magnitude of +1.8, a phase of 98%, and a diameter of 4". It rises at 05:00, transits at 10:11, and sets at 15:22. It is visible low in the east before sunrise.

Jupiter is in Ophiuchus with a magnitude of -1.9 and a diameter of 33". It rises at 10:22, transits at 14:11, and sets at 18:01. It is visible in the evening sky.

Saturn is in Sagittarius with a magnitude of +0.6 and a diameter of 16". It rises at 11:43, transits at 15:39, and sets at 19:35. It is visible in the evening sky.

Uranus is in Aries with a magnitude of +5.7 and a diameter of 4". It sets at 05:46, rises again at 15:25, and transits at 22:33. It is well placed for observation throughout the night.

Neptune is in Aquarius with a magnitude of +7.9 and a diameter of 2". It sets at 01:10, rises again at 14:08, and transits at 19:37. It is visible in the evening sky.