

M59, Elliptical Galaxy (Virgo)

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



Credit: ESA/Hubble & NASA, L. Ho et al.

Rugby & District Astronomical Society

www.rugbyastro.org.uk

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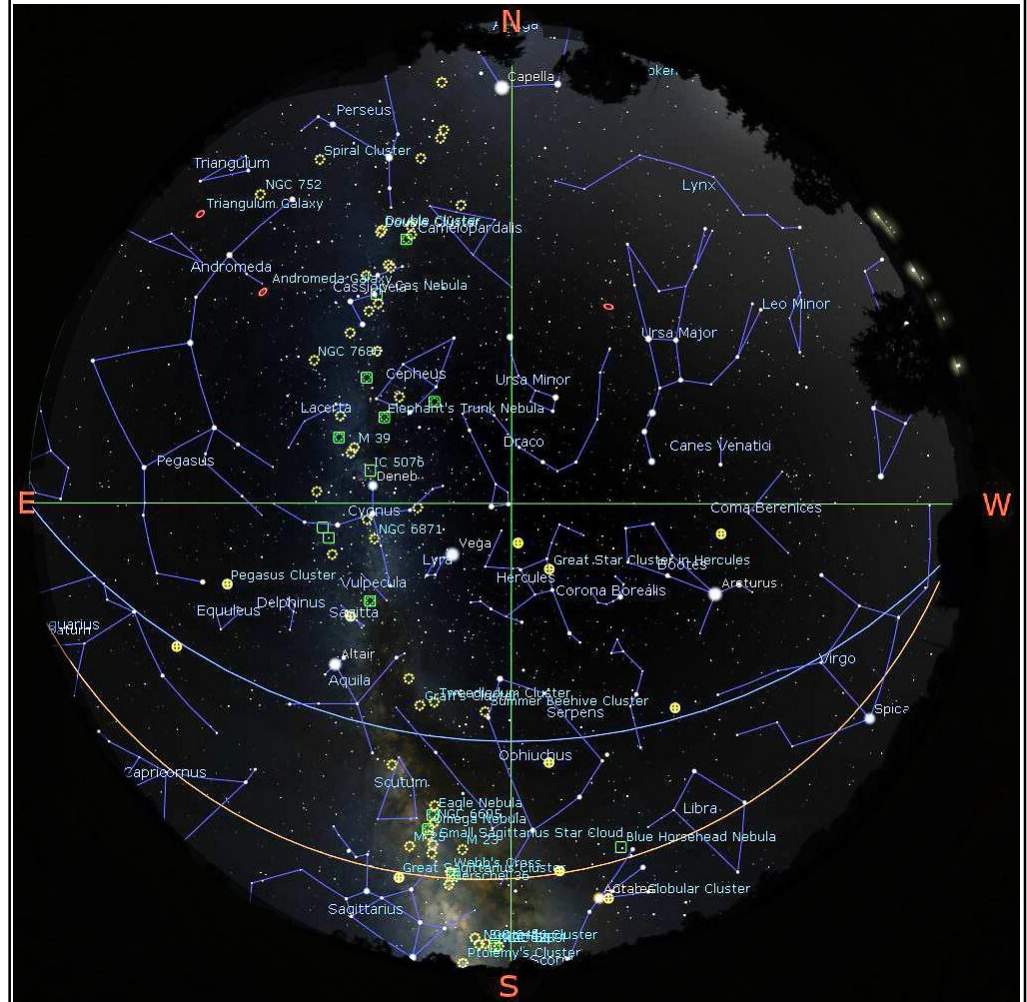
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Sky Notes

by Chris Longthorn

July 2023, no 163

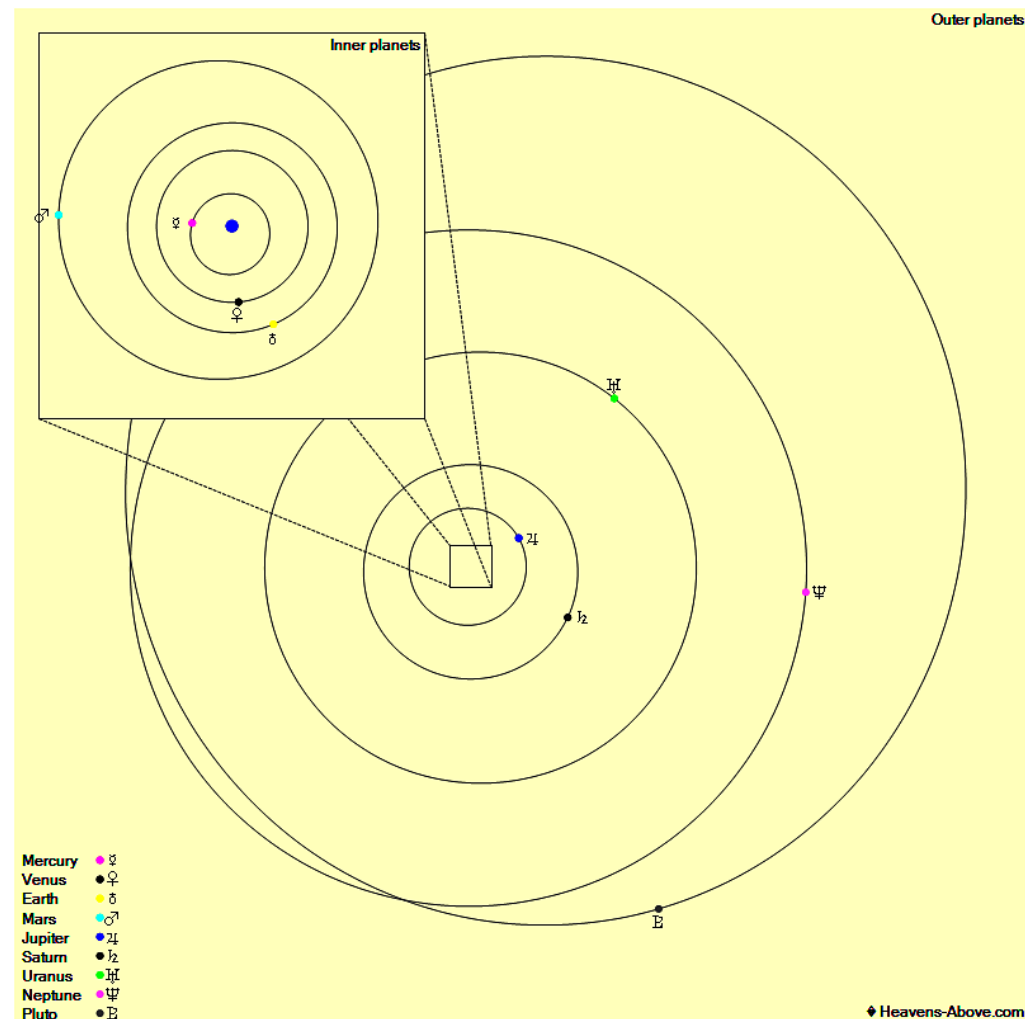


The night sky at 23:00 U.T.C., July 15th 2023

Sky Events for July 2023

- 01 05:00 Mercury at Superior Conjunction
- 01 06:00 Venus 3.6°N of Mars
- 03 11:39 FULL MOON
- 06 19:00 Earth at Aphelion: 1.01668 AU
- 07 00:23 ISS, -1.5, 13°, ESE
- 07 03:05 Saturn 2.7°N of Moon
- 09 00:18 ISS, -3, 30°, SSE
- 10 01:48 LAST QUARTER MOON
- 11 00:15 ISS, -3.7, 49°, SSE
- 11 21:18 Jupiter 2.2°S of Moon
- 13 00:12 ISS, -3.9, 70°, S
- 13 06:31 Pleiades 1.7°N of Moon
- 14 00:59 ISS, -3.9, 79°, S
- 15 00:09 ISS, -3.9, 81°, S
- 15 23:20 ISS, -3.9, 76°, S
- 16 00:56 ISS, -3.9, 65°, SSW
- 16 22:30 ISS, -3.8, 66°, SSE
- 17 00:06 ISS, -3.9, 75°, S
- 17 18:32 NEW MOON
- 17 23:17 ISS, -3.9, 80°, S
- 18 00:53 ISS, -3.5, 43°, SSW
- 18 19:30 R&DAS Monthly Meeting
- 18 22:27 ISS, -3.8, 80°, S
- 19 00:03 ISS, -3.7, 57°, SSW
- 19 08:56 Mercury 3.5°S of Moon
- 19 23:13 ISS, -3.9, 69°, S
- 20 22:23 ISS, -3.8, 78°, S
- 20 00:00 ISS, -3.1, 36°, SSW
- 21 04:00 Mars 3.3°S of Moon
- 21 23:10 ISS, -3.5, 48°, SSW
- 22 22:20 ISS, -3.7, 61°, SSW
- 24 22:17 ISS, -3.1, 40°, SSW
- 25 22:07 FIRST QUARTER MOON
- 28 16:00 Delta-Aquarid Meteor Shower

The Planets, mid July



Mercury is in Cancer with a magnitude of -0.7, a phase of 84%, and a diameter of 5". It rises at 05:19, transits at 13:17, and sets at 21:14. It is visible low in the west after sunset.

Venus is in Leo with a magnitude of -4.5, a phase of 19%, and a diameter of 42". It rises at 07:30, transits at 14:29, and sets at 21:27. It is visible in the evening sky.

Mars is in Leo with a magnitude of +1.8, a phase of 96%, and a diameter of 4". It rises at 07:50, transits at 14:54, and sets at 21:58. It is visible in the evening sky.

Jupiter is in Aries with a magnitude of -2.3 and a diameter of 38". It transits at 07:12, sets at 14:31, and rises again at 23:49. It is visible in the morning sky.

Saturn is in Aquarius with a magnitude of +0.7 and a diameter of 18". It transits at 03:10, sets at 08:17, and rises again at 22:00. It is well placed for observation throughout the night.

Uranus is in Aries with a magnitude of +5.8 and a diameter of 3". It rises at 00:10, transits at 07:53, and sets at 15:36. It is visible in the morning sky.

Neptune is in Pisces with a magnitude of +7.8 and a diameter of 2". It transits at 04:27, sets at 10:19, and rises again at 22:31. It is visible in the morning sky.