

M52, Open Cluster (Cassiopeia)

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



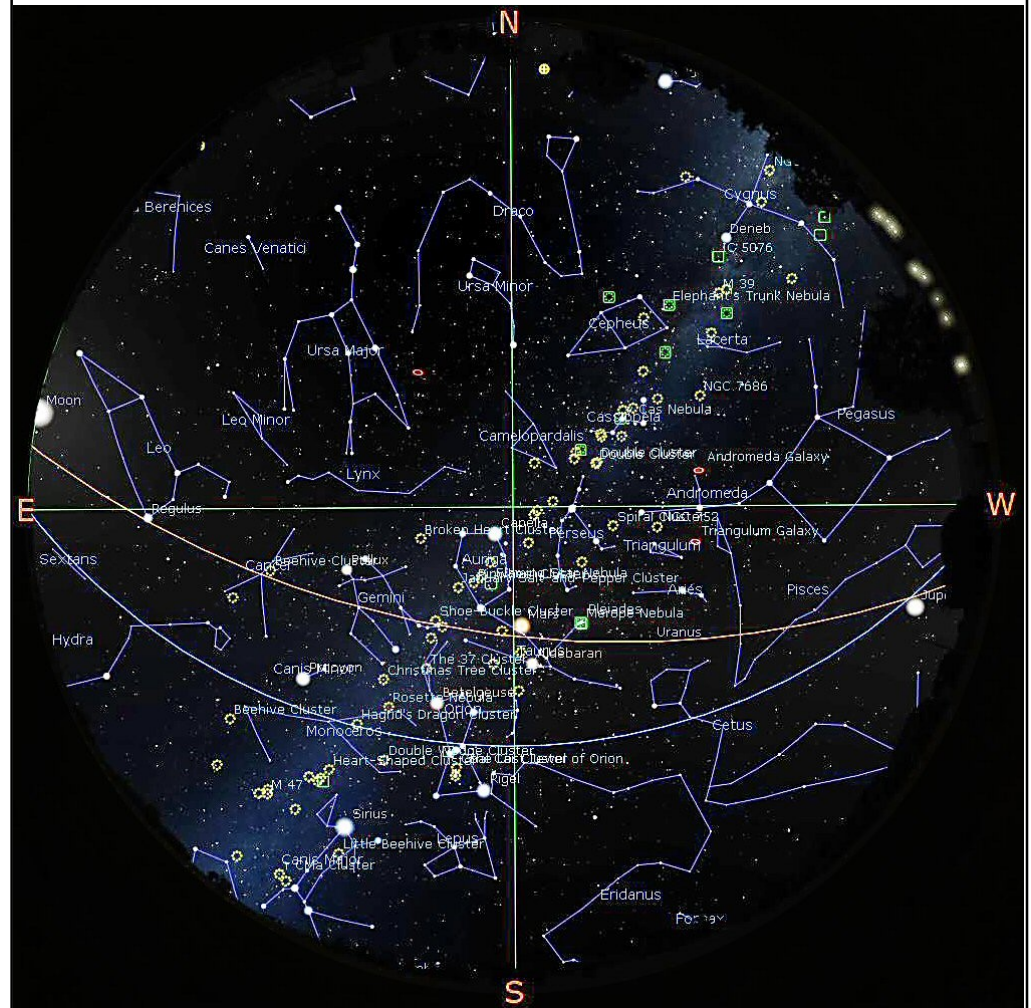
Credit: Atlas Image [or Atlas Image mosaic] obtained as part of the Two Micron All Sky Survey (2MASS), a joint project of the University of Massachusetts and the Infrared Processing and Analysis Center/ California Institute of Technology, funded by the National Aeronautics and Space Administration and the National Science Foundation.

Rugby & District Astronomical Society

Sky Notes

by Chris Longthorn

December 2022, no 156



The night sky at 23:00 U.T.C., December 15th 2022

Rugby & District Astronomical Society

www.rugbyastro.org.uk

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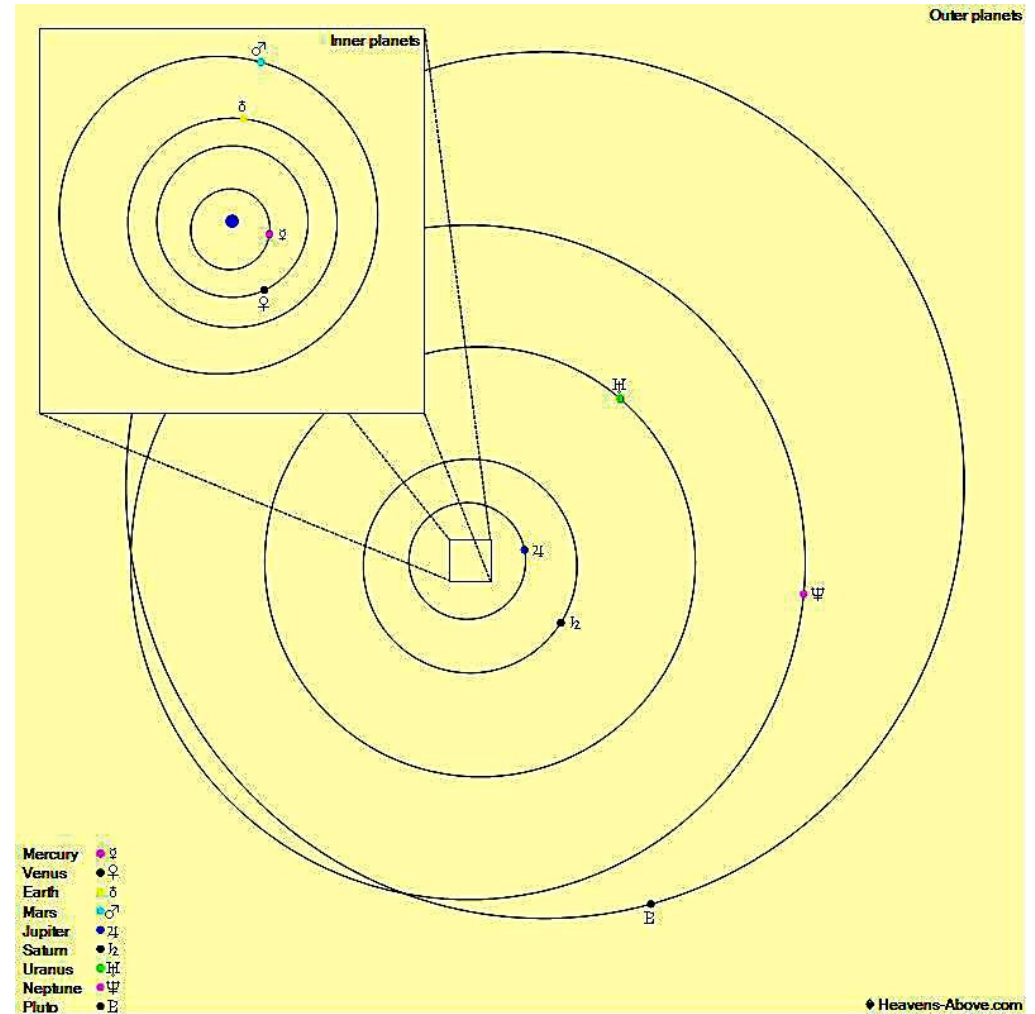
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Sky Events for December 2022

- 01 16:51 ISS, -3.7, 81°, S
- 02 00:52 Jupiter 2.5°N of Moon
- 02 17:39 ISS, -3.1, 81°, S
- 03 16:50 ISS, -3.3, 81°, S
- 04 19:30 R&DAS Christmas Meal
- 06 19:26 Pleiades 2.7°N of Moon
- 08 04:08 FULL MOON
- 08 04:21 Mars 0.5°S of Moon: Occn.
- 08 04:00 Mars at Opposition
- 14 13:00 Geminid Meteor Shower
- 16 08:56 LAST QUARTER MOON
- 16 19:30 Observing at Barby: No Moon. Mars just past opposition.
- 17 19:30 Observing at Barby: No Moon. Mars just past opposition.
- 18 19:30 R&DAS Monthly Meeting
- 21 15:00 Mercury at Greatest Elong: 20.1°E
- 21 21:48 Winter Solstice
- 22 21:00 Ursid Meteor Shower
- 23 06:58 ISS, -3.5, 81°, S
- 23 10:17 NEW MOON
- 24 06:09 ISS, -3.3, 81°, S
- 24 11:29 Venus 3.5°N of Moon
- 24 18:31 Mercury 3.8°N of Moon
- 25 06:56 ISS, -3.7, 81°, S
- 26 06:07 ISS, -3.7, 81°, S
- 26 16:11 Saturn 4.0°N of Moon
- 27 06:54 ISS, -3.7, 81°, S
- 28 06:05 ISS, -3.8, 81°, S
- 29 06:52 ISS, -3.4, 81°, S
- 29 07:00 Mercury 1.4°N of Venus
- 29 10:29 Jupiter 2.3°N of Moon
- 30 01:21 FIRST QUARTER MOON
- 30 06:03 ISS, -3.8, 81°, S

The Planets, mid December



Mercury is in Sagittarius with a magnitude of -0.6, a phase of 76%, and a diameter of 6". It rises at 09:47, transits at 13:23, and sets at 17:00. It is visible low in the west after sunset.

Venus is in Sagittarius with a magnitude of -3.9, a phase of 97%, and a diameter of 10". It rises at 09:15, transits at 12:58, and sets at 16:41. It is visible low in the west after sunset.

Mars is in Taurus with a magnitude of -1.7, a phase of 100%, and a diameter of 17". It sets at 07:50, rises again at 14:41, and transits at 23:13. It is well placed for observation throughout the night.

Jupiter is in Pisces with a magnitude of -2.5 and a diameter of 41". It sets at 00:27, rises again at 12:33, and transits at 18:28. It is visible in the evening sky.

Saturn is in Capricornus with a magnitude of +0.8 and a diameter of 16". It rises at 11:25, transits at 16:03, and sets at 20:41. 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 04:55, rises again at 13:49, and transits at 21:20. 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 rises at 12:21, transits at 18:03, and sets at 23:45. It is visible in the evening sky.