M51, Spiral Galaxy (Canes Venatici)

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



By: Chris Longthorn

Rugby & District Astronomical Society

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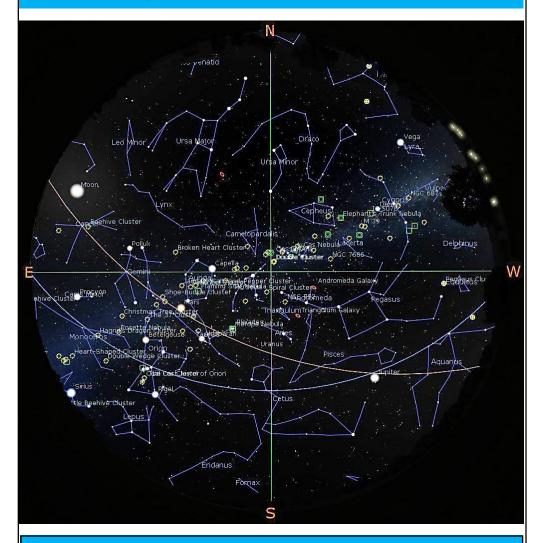
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Sky Notes

by Chris Longthorn

November 2022, no 155



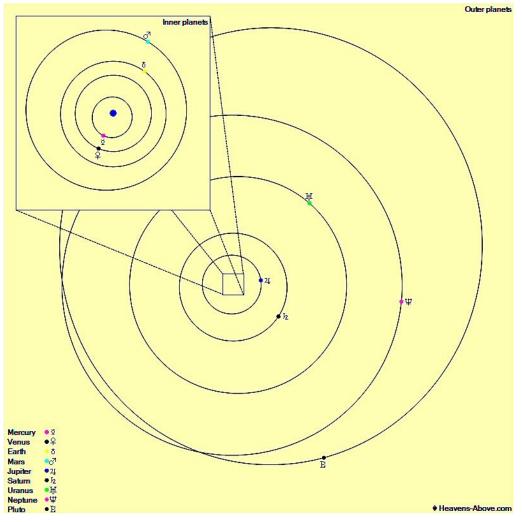
The night sky at 23:00 U.T.C., November 15th 2022

Sky Events for November 2022

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01 04:46 ISS, -3.7, 72°, SE
01 06:22 ISS, -3, 43°, SSW
01 06:37 FIRST QUARTER MOON
01 21:08 Saturn 4.2°N of Moon
02 05:34 ISS, -3.5, 55°, SSW
03 04:45 ISS, -3.3, 55°, SE
04 20:19 Jupiter 2.4°N of Moon
05 18:00 S Taurid Meteor Shower
08 10:59 Total Lunar Eclipse; mag=1.359
08 11:02 FULL MOON
08 16:00 Mercury at Superior Conjunction
09 09:00 Uranus at Opposition
09 12:16 Pleiades 2.7°N of Moon
11 13:43 Mars 2.5°S of Moon
12 17:00 N Taurid Meteor Shower
16 13:27 LAST QUARTER MOON
18 00:00 Leonid Meteor Shower
23 22:57 NEW MOON
23 17:54 ISS, -3.2, 46°, SSE
25 17:51 ISS, -3.7, 68°, SSE
26 17:01 ISS, -3.3, 55°, SSE
27 17:48 ISS, -3.8, 80°, S
28 16:58 ISS, -3.7, 74°, S
29 04:40 Saturn 4.2°N of Moon
29 17:45 ISS, -3.8, 77°, S
30 14:36 FIRST QUARTER MOON
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30 16:55 ISS, -3.7, 81°, S

The Planets, mid November



Mercury is in Libra with a magnitude of -0.9, a phase of 99%, and a diameter of 5". It rises at 07:54, transits at 12:05, and sets at 16:16. It is currently too close to the Sun to be observed. Venus is in Libra with a magnitude of -3.9, a phase of 99%, and a diameter of 10". It rises at 08:00, transits at 12:14, and sets at 16:28. It is currently too close to the Sun to be observed. Mars is in Taurus with a magnitude of -1.6, a phase of 97%, and a diameter of 17". It transits at 02:02, sets at 10:30, and rises again at 17:28. It is well placed for observation throughout the night.

<u>Jupiter</u> is in Pisces with a magnitude of -2.7 and a diameter of 46". It sets at 02:21, rises again at 14:31, and transits at 20:24. It is visible in the evening sky.

<u>Saturn</u> is in Capricornus with a magnitude of +0.7 and a diameter of 17". It rises at 13:19, transits at 17:54, and sets at 22:28. It is visible in the evening sky.

<u>Uranus</u> is in Aries with a magnitude of +5.6 and a diameter of 4". It sets at 06:59, rises again at 15:49, and transits at 23:22. It is well placed for observation throughout the night.

<u>Neptune</u> is in Aquarius with a magnitude of +7.8 and a diameter of 2". It sets at 01:47, rises again at 14:19, and transits at 20:01. It is visible in the evening sky.