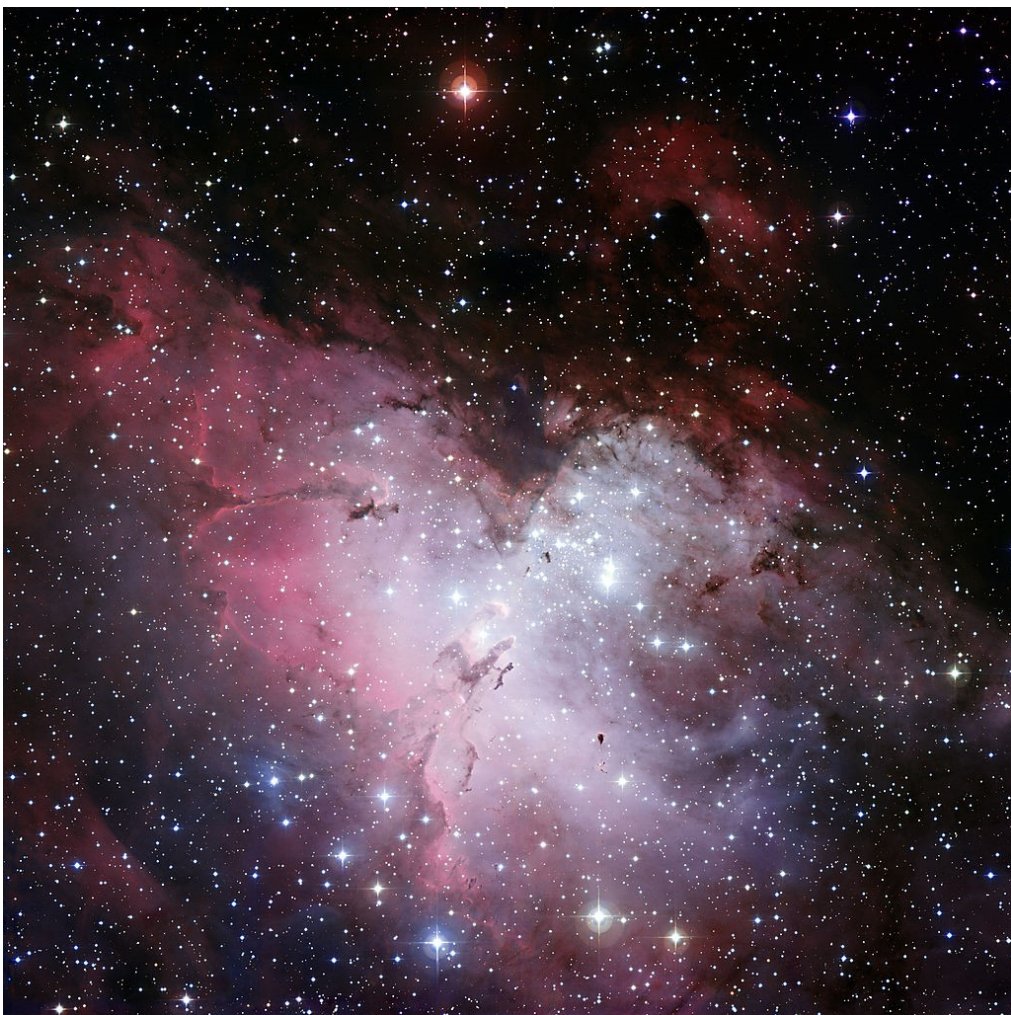


M16 Open Cluster, (The Eagle Nebula)

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

By ESO - <http://www.eso.org/public/images/eso0926a/>, CC BY 4.0, <https://commons.wikimedia.org/w/index.php?curid=7338740>



Rugby & District Astronomical Society

www.rugbyastro.org.uk

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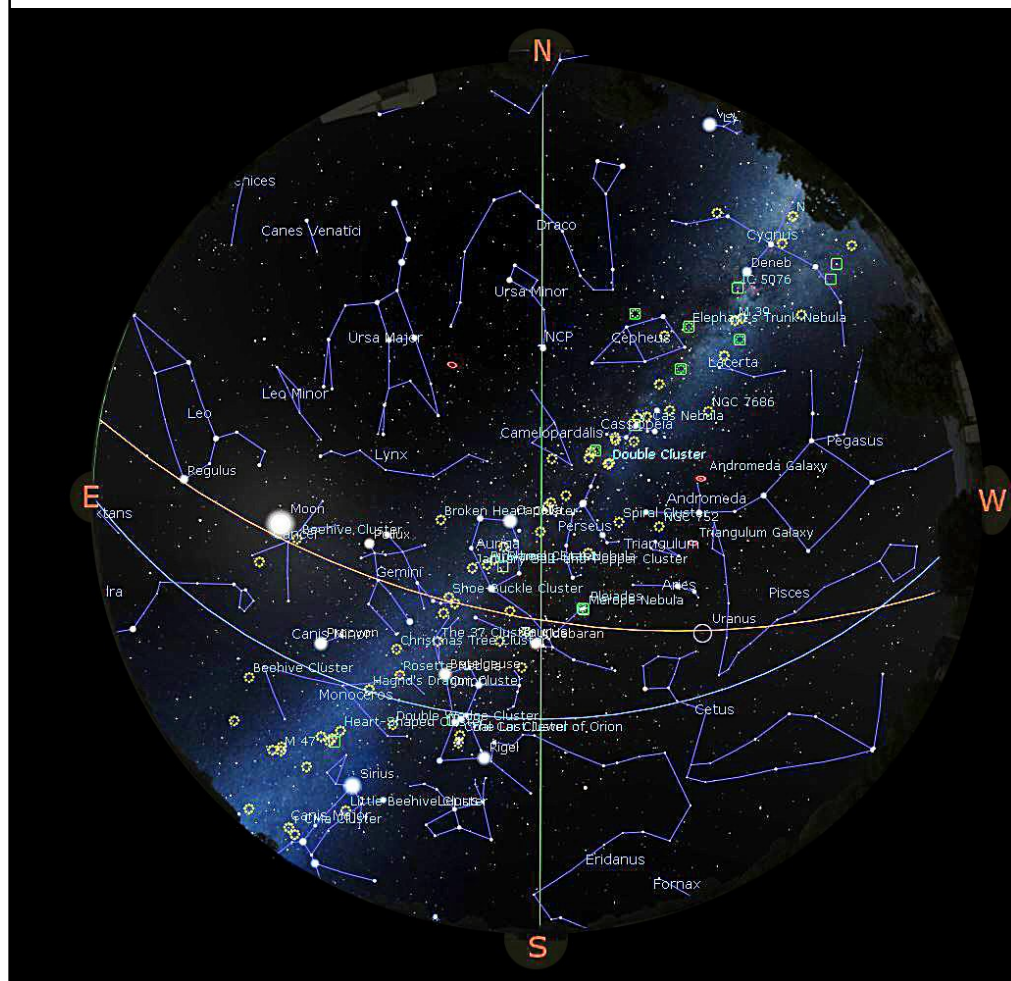
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Sky Notes

by Chris Longthorn

December 2019, no 123

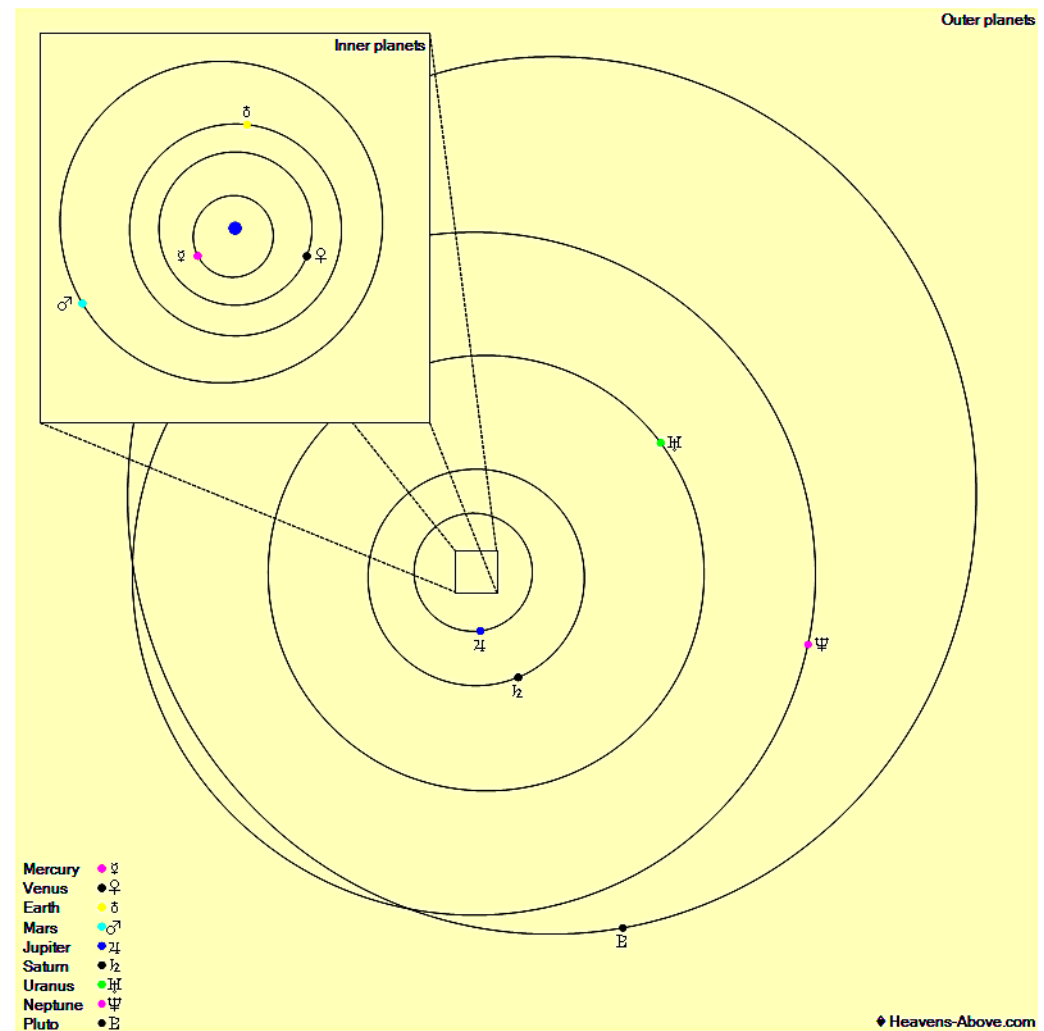


The night sky at 23:00 U.T.C., December 15th 2019

2019 December

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	 4 First Quarter 06:58	5	6	7
8	9	10	11 Venus-Sat 11:03	 12 Full Moon 05:12	13	14 Geminiids 18:25 ISS, -2.6, 19:08, 44°, SW
15 Moon-Beehive 15:54 R&DAS Xmas Meal ISS, -3.8, 18:19, 67°, NE	16	17	18	 19 Last Quarter 04:57 ISS, -3.9, 05:05, 89°, NW	20 Observing at Barby - Ursid Meteor Shower	21 Observing at Barby - Ursid Meteor Shower
22 Winter Sol 04:19	23 Moon-Mars 01:49 Ursids 03:00	24	25	 26 New Moon 05:13 Ann So-lar Ec	27 Jupiter Sun 18:06	28
29 Moon-Venus 01:32	30	31	1	2	 3 First Quarter 04:45	4 Quadrantids 08:38

The Planets, mid month.



Mercury is in Ophiuchus with a magnitude of -0.6, a phase of 92%, and a diameter of 5". It rises at 06:55, transits at 10:59, and sets at 15:03. It is visible low in the east before sunrise.

Venus is in Sagittarius with a magnitude of -4.0, a phase of 86%, and a diameter of 12". It rises at 10:24, transits at 14:15, and sets at 18:07. It is visible in the evening sky.

Mars is in Libra with a magnitude of +1.6, a phase of 97%, and a diameter of 4". It rises at 04:56, transits at 09:30, and sets at 14:03. It is visible in the morning sky.

Jupiter is in Sagittarius with a magnitude of -1.8 and a diameter of 32". It rises at 08:53, transits at 12:42, and sets at 16:31. It is visible low in the west after sunset.

Saturn is in Sagittarius with a magnitude of +0.6 and a diameter of 15". It rises at 09:56, transits at 13:54, and sets at 17:52. It is visible low in the west after sunset.

Uranus is in Aries with a magnitude of +5.7 and a diameter of 4". It sets at 03:43, rises again at 13:25, and transits at 20:32. It is visible in the evening sky.

Neptune is in Aquarius with a magnitude of +7.9 and a diameter of 2". It rises at 12:10, transits at 17:39, and sets at 23:08. It is visible in the evening sky.