

M39, Open Cluster (Cygnus)

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



Jim Mazur - <http://www.skyledge.net/Messier39.htm>

Rugby & District Astronomical Society

www.rugbyastro.org.uk

Honorary President:	-	Chair:	Chris Longthorn
Treasurer:	Dennis Osborne	Membership Secretary:	Dave Hopkinson
Webmaster:	David Riley	Secretary:	Richard Heath
Speakers Secretary:	Roland Clarke	Sky Notes:	Chris Longthorn

Email rugby-Astro@hotmail.co.uk

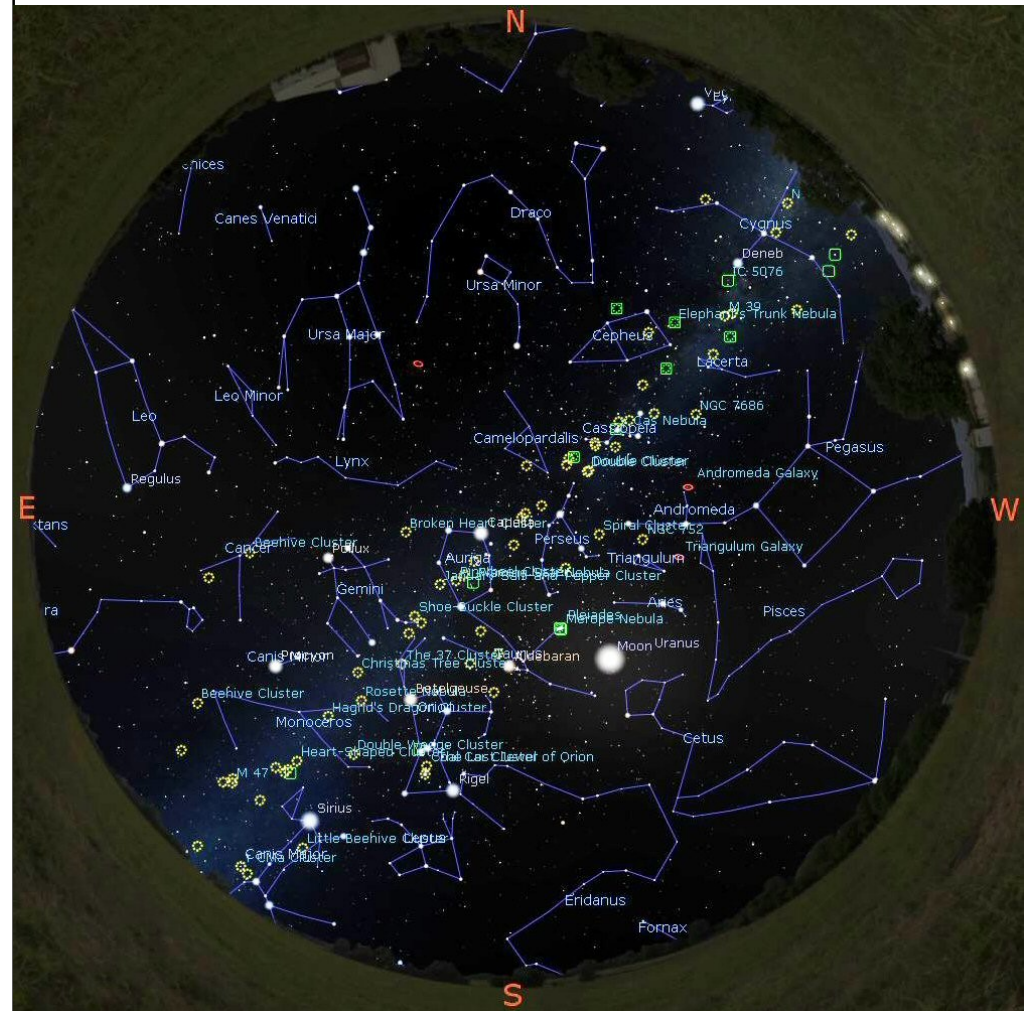
© R&DAS 2021

Rugby & District Astronomical Society

Sky Notes

by Chris Longthorn

Dec 2021, no 144

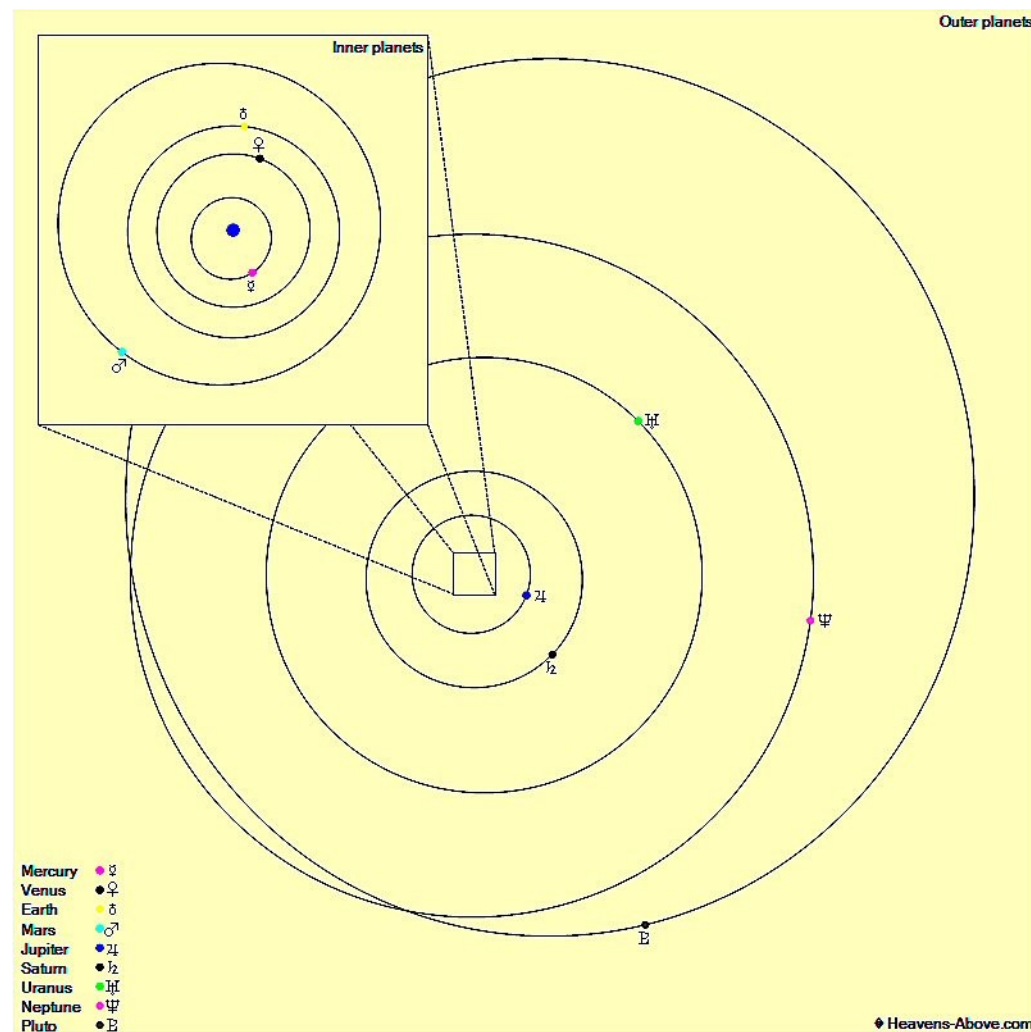


The night sky at 23:00 U.T.C., Dec 15th 2021

2021 December

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
28	29 Mercury Super 04:35	30	1 ISS, -3.4, 18:08, 64°, SSW	2 ISS, -3.5, 17:24, 72°, S	3 ISS, -3.5, 16:39, 79°, S	4 Total Sol Ec 07:34 New Moon 07:43
5 ISS, -3, 16:47, 58°, SSW	6	7 Moon-Venus 00:48	8 Moon-Saturn 01:52	9 Moon-Jupiter 06:07	10 Observing, Barbby, 7:00 p.m	11 First Quarter 01:36 Observing, Barbby, 7:00 p.m
12	13	14 Geminiids 06:44	15	16	17.	18
19 Full Moon 04:36 Xmas Meal, Church Lawford 19:30	20	21 Winter Sol 15:59	22 Moon-Beehive 10:28 Ursids 15:00	23	24	25
26	27 Last Quarter 02:24	28	29 Mercury-Ven 04:49	30	31 Moon-Mars 20:13	1 Venus 12.4°

The Planets, mid December.



Mercury is in Sagittarius with a magnitude of -0.8, a phase of 97%, and a diameter of 5". It rises at 09:07, transits at 12:40, and sets at 16:13. It is visible low in the west after sunset.

Venus is in Sagittarius with a magnitude of -4.6, a phase of 16%, and a diameter of 49". It rises at 10:22, transits at 14:21, and sets at 18:20. It is visible in the evening sky.

Mars is in Scorpius with a magnitude of +1.6, a phase of 99%, and a diameter of 4". It rises at 06:16, transits at 10:25, and sets at 14:34. It is visible low in the east before sunrise.

Jupiter is in Aquarius with a magnitude of -2.2 and a diameter of 37". It rises at 11:35, transits at 16:27, and sets at 21:20. It is visible in the evening sky.

Saturn is in Capricornus with a magnitude of +0.7 and a diameter of 16". It rises at 10:58, transits at 15:19, and sets at 19:40. 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 04:29, rises again at 13:39, and transits at 21:02. 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 12:16, transits at 17:53, and sets at 23:31. It is visible in the evening sky.