

M34, Open Cluster (Perseus)

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

By Jim Mazur - <http://www.skyledge.net/Messier34.htm>, CC BY-SA 4.0, <https://commons.wikimedia.org/w/index.php?curid=96267389>



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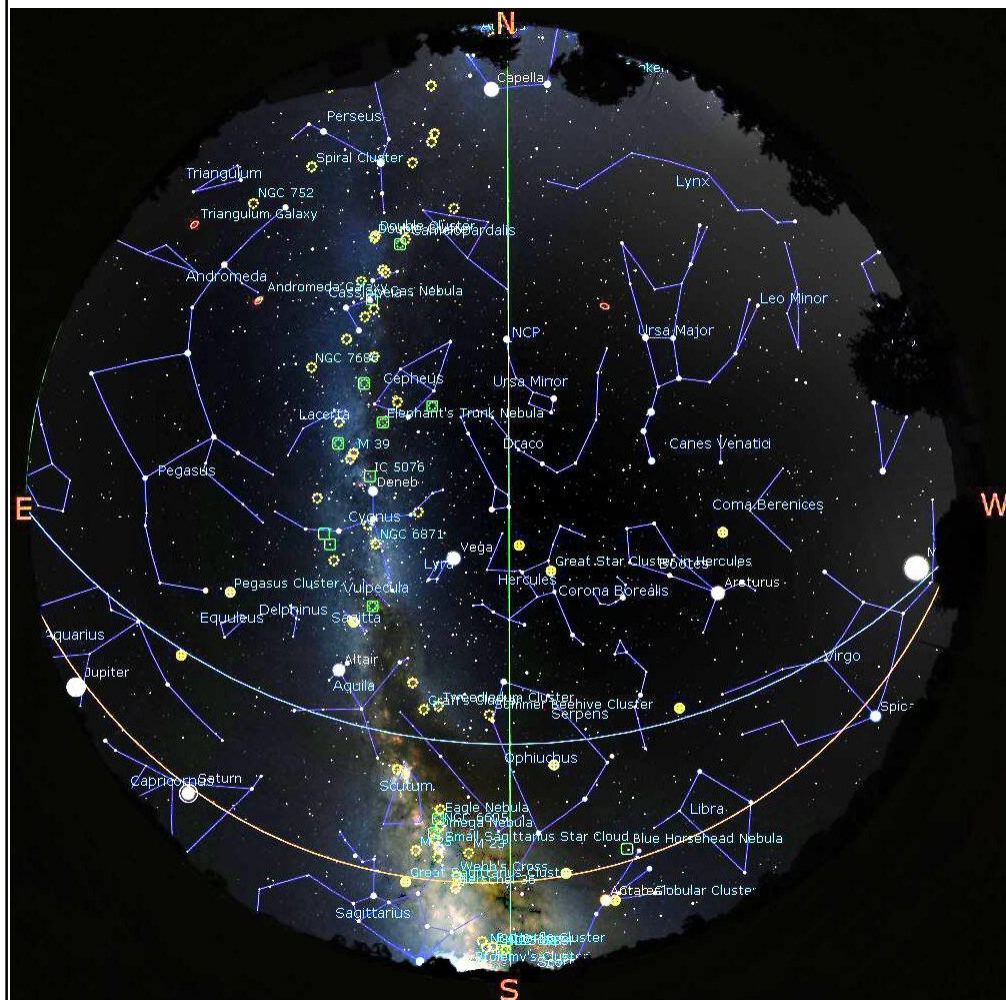
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Sky Notes

by Chris Longthorn

July 2021, no 140

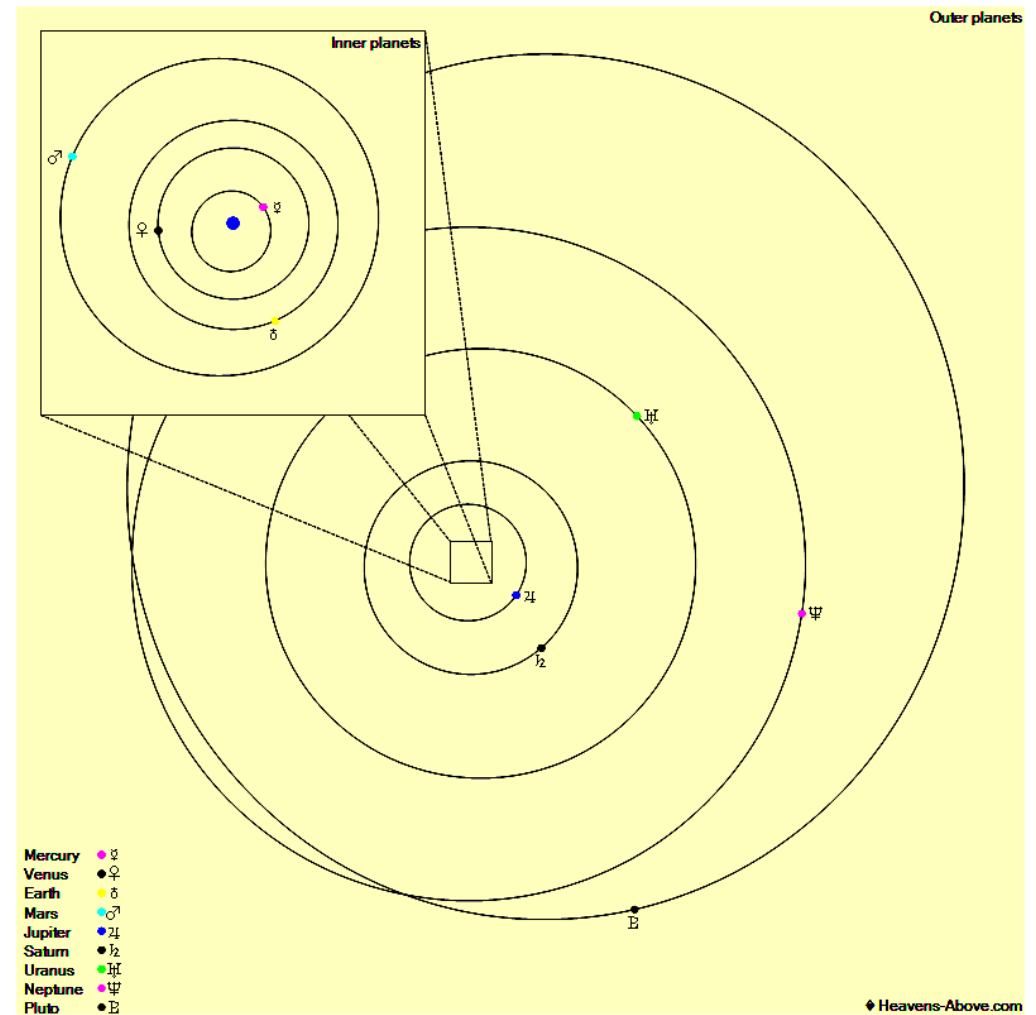


The night sky at 23:00 U.T.C., July 15th 2021

2021 July

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
27 Moon-Saturn 10:30	28 Moon-Jupiter 19:38	29	30	1 Last Quarter 22:11	2	3 Venus-M44 03:45
4	5 Tianhe-1, 3.2, 22:39, 11°, S	6 Tianhe-1, 3.3, 23:12, 11°, SSW	7 Tianhe-1, 3.3, 22:43, 11°, S	8 Moon-Mercury 05:38	9	10 New Moon 02:16
11	12 Moon-Venus 10:10 Moon-Mars 11:10	13 Venus-Mars 14:17 ISS, -3.2, 23:28, 35°, SSE	14	15 ISS, -3.8, 23:30, 58°, SSE	16 ISS, -3.5, 22:42, 46°, SSE	17 First Quarter 11:11 ISS, -3.9, 23:32, 77°, S
18 No Meeting ISS, -3.8, 22:44, 69°, SSE	19 ISS, -3.9, 23:34, 80°, S	20 ISS, -3.8, 22:46, 81°, S	21 ISS, -3.8, 21:59, 77°, S ISS, -3.8, 23:36, 64°, SSW	22 ISS, -3.8, 22:48, 74°, S	23 ISS, -3.8, 22:01, 80°, S ISS, -3.2, 23:37, 40°, SSW	24 Full Moon 03:37 Moon-Saturn 17:42 ISS, -3.5, 22:50, 52°, SSW
25 ISS, -3.6, 22:03, 64°, SSW	26 Moon-Jupiter 02:17	27 ISS, -3, 22:04, 40°, SSW	28 Delta Aquarids 04:17	29	30	31 Last Quarter 14:16

The Planets, mid July.



Mercury is in Gemini with a magnitude of -0.7, a phase of 69%, and a diameter of 6". It rises at 02:40, transits at 10:55, and sets at 19:11. It is visible low in the east before sunrise.

Venus is in Leo with a magnitude of -3.9, a phase of 86%, and a diameter of 12". It rises at 06:41, transits at 14:11, and sets at 21:40. It is visible low in the west after sunset.

Mars is in Leo with a magnitude of +1.8, a phase of 98%, and a diameter of 4". It rises at 06:37, transits at 14:06, and sets at 21:34. It is visible low in the west after sunset.

Jupiter is in Aquarius with a magnitude of -2.7 and a diameter of 47". It transits at 02:47, sets at 07:46, and rises again at 21:44. It is well placed for observation throughout the night.

Saturn is in Capricornus with a magnitude of +0.3 and a diameter of 18". It transits at 01:29, sets at 05:53, and rises again at 21:02. 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 transits at 07:19, sets at 14:48, and rises again at 23:47. It is visible in the morning sky.

Neptune is in Aquarius with a magnitude of +7.8 and a diameter of 2". It transits at 04:09, sets at 09:52, and rises again at 22:22. It is visible in the morning sky.