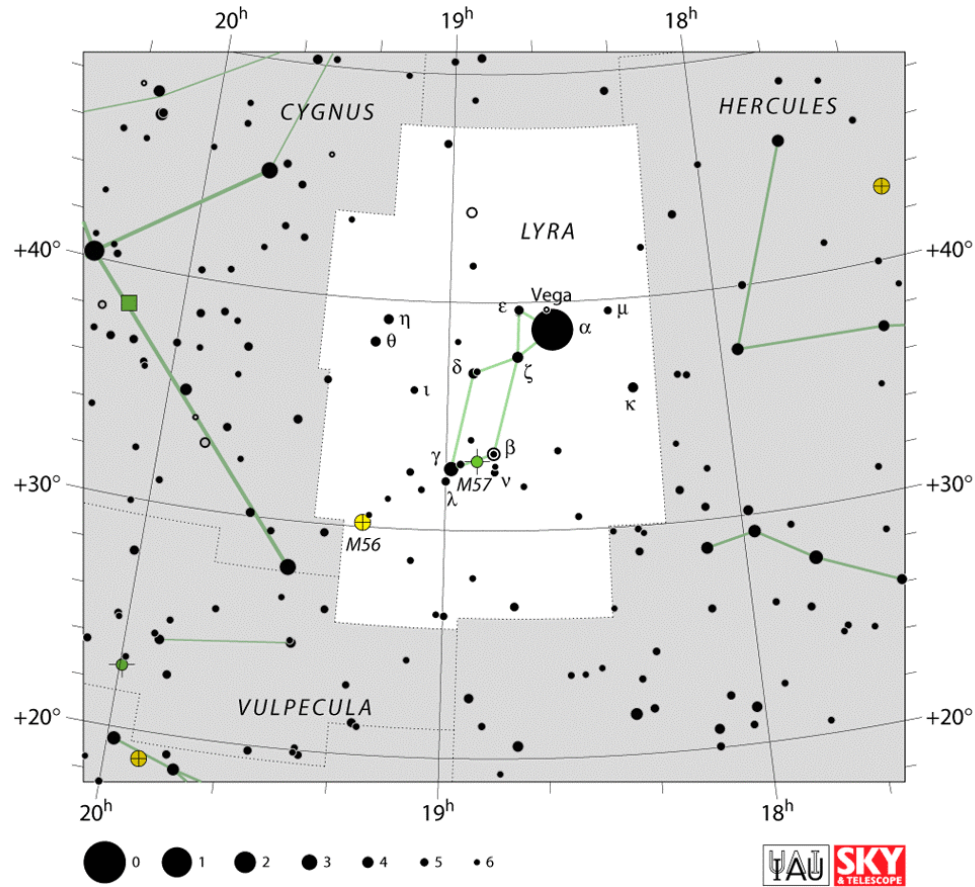


Constellation of the Month - Lyra.

Your challenge is to observe, and record what you see ready for including in the Sky Notes presentation next month.

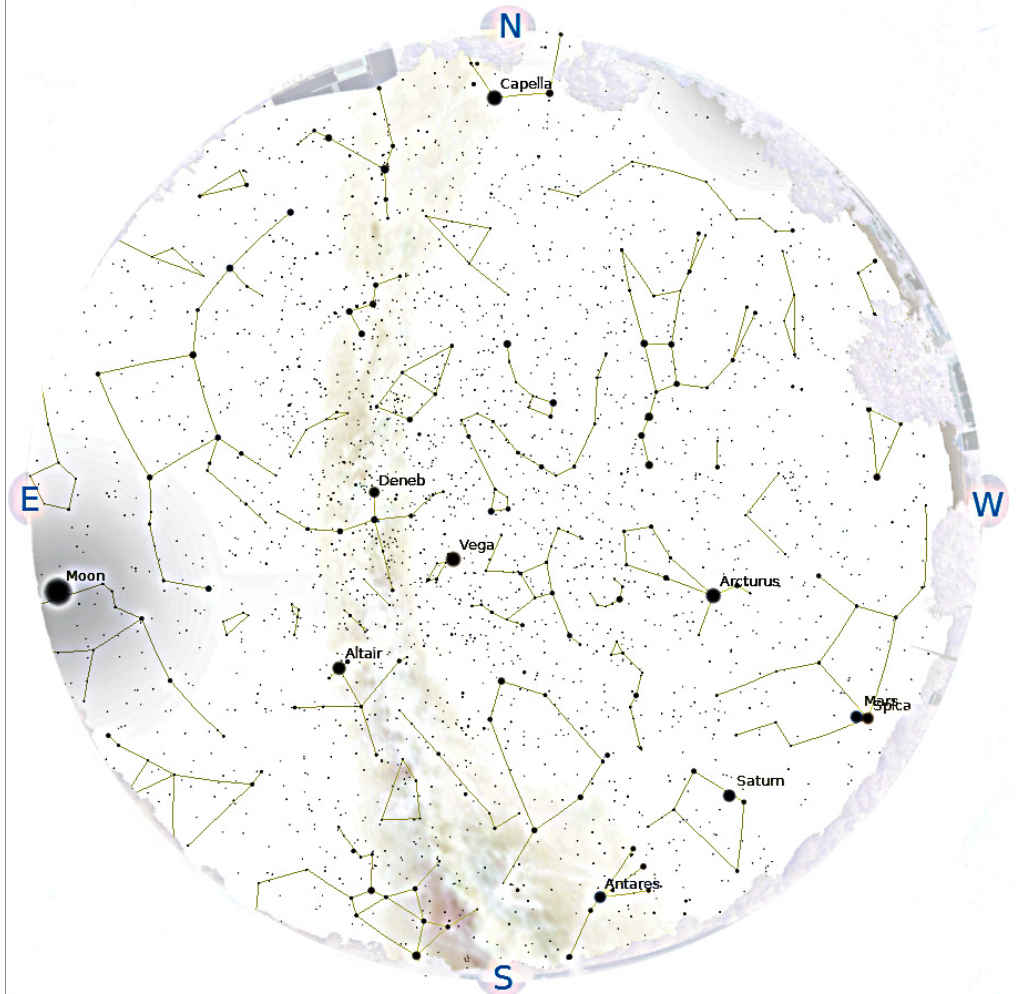
The Constellation of the Month will be selected from one that is readily visible most of the night during the month.



Rugby & District Astronomical Society Sky Notes

by Chris Longthorn

July 2014, no 62



Rugby & District Astronomical Society

www.rugbyastro.org.uk

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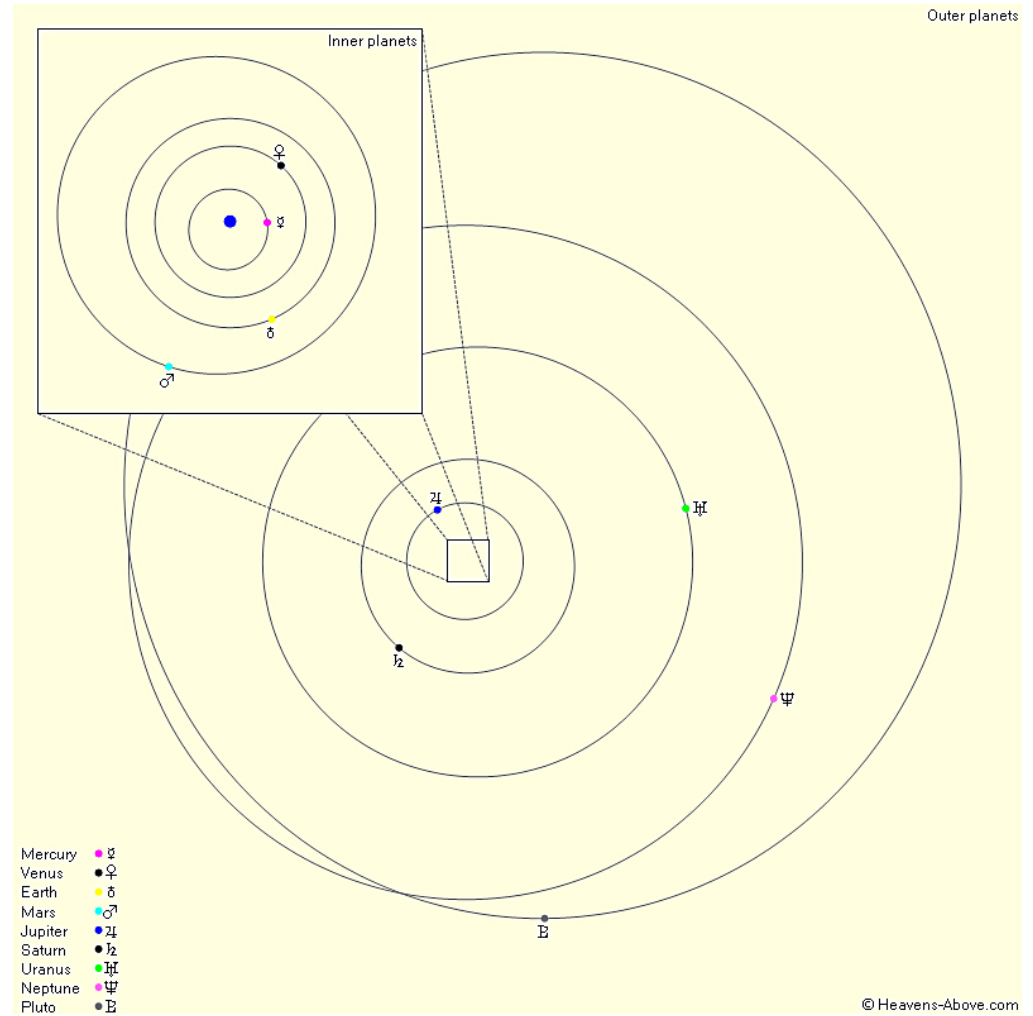
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The night sky at 23:00 U.T.C., July 15th

Sky Events Calendar 2014 July

The Planets, mid month.

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|--|---|--|---|---|--|
| | | 1 Venus 30.1° W Venus-Aldeb. 16:08 | 2 | 3 Aphelion 23:59 | 4 |  5 First Quarter 12:59 Iridium 94, 04:28:45 -6.3 27° 84° |
| 6 Moon-Mars 02:21 Moon-Spica 07:32 | 7 Iridium 40, 02:10:34 -6.5 22° 321° | 8 Moon-Saturn 03:48 | 9 | 10 Moon S Dec 18:29 | 11 Iridium 3, 04:10:18 -6.9 35° 97° |  12 Full Moon 12:25 Mercury West 18:59 |
| 13 Moon Perigee 09:27 Mars-Spica 19:35 Iridium 56, 22:03:46 -8.0 53° 46° | 14 Iridium 84, 21:57:43 -8.0 55° 48° Iridium 39, 23:30:55 -6.2 19° 22° | 15 Iridium 94, 03:54:44 -7.3 38° 105° | 16 Mercury-Ven 19:21 | 17 | 18 Moon D Node 22:21 |  19 Last Quarter 03:08 |
| 20 Iridium 47, 03:33:30 -7.6 42° 116° R&DAS Mtg, Bob Marriott, The Silver on Glass Revolution | 21 | 22 Moon-Aldeb 12:56 | 23 Moon N Dec 16:36 ISS, -2.6 03:50:38 40° SSE | 24 Moon-Venus 19:16 Jupiter Sun 20:32 ISS, -2.2 03:01:071 29° SSE Iridium 67, 01:41:24 -7.8 53° 182° Iridium 32, 04:27:51 -6.0 20° 79° Iridium 40, 22:50:36 -7.4 36° 39° | 25 ISS, -3.2 03:47:53 62° SSE |  26 New Moon 23:42 ISS, -3.0 02:58:16 49° SSE ISS, -3.3 04:34:49 81° S Iridium 29, 04:24:06 -6.1 22° 84° Iridium 95, 04:24:41 -6.2 22° 83° |
| 27 ISS, -3.4 03:45:08 79° S | 28 Moon Apogee 04:27 Delta Aquarids 09:14 ISS, -3.4 02:55:27 70° S ISS, -3.3 04:32:04 73° S | 29 ISS, -3.3 02:05:47 57° SSE ISS, -3.4 03:43:22 80° S | 30 ISS, -3.4 02:52:38 81° S ISS, -3.1 04:29:12 53° SSW | 31 ISS, -3.5 02:02:54 76° S ISS, -3.4 03:39:30 80° SSW | | |



Mercury is in Orion with a magnitude of +0.0, a phase of 46%, and a diameter of 7". It rises at 03:37, transits at 11:42, and sets at 19:49. It is visible low in the east before sunrise.

Venus is in Taurus with a magnitude of -3.9, a phase of 89%, and a diameter of 11". It rises at 03:01, transits at 11:16, and sets at 19:32. It is visible low in the east before sunrise.

Mars is in Virgo with a magnitude of +0.2, a phase of 87%, and a diameter of 9". It sets at 00:14, rises again at 13:53, and transits at 19:02. It is visible in the evening sky.

Jupiter is in Cancer with a magnitude of -1.8 and a diameter of 31". It rises at 05:40, transits at 13:40, and sets at 21:40. It is currently too close to the Sun to be observed.

Saturn is in Libra with a magnitude of +0.5 and a diameter of 17". It sets at 01:19, rises again at 15:46, and transits at 20:30. It is visible in the evening sky.

Uranus is in Pisces with a magnitude of +5.8 and a diameter of 4". It rises at 00:02, transits at 06:35, and sets at 13:08. 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 04:11, sets at 09:23, and rises again at 22:54. It is well placed for observation throughout the night.

All times in UTC, add one hour for BST
 Sky Events Calendar by Fred Espenak and Sumit Dutta (NASA's GSFC)
 ISS, Iridium Data and Solar System Map courtesy of Heavens-Above (www.heavens-above.com)