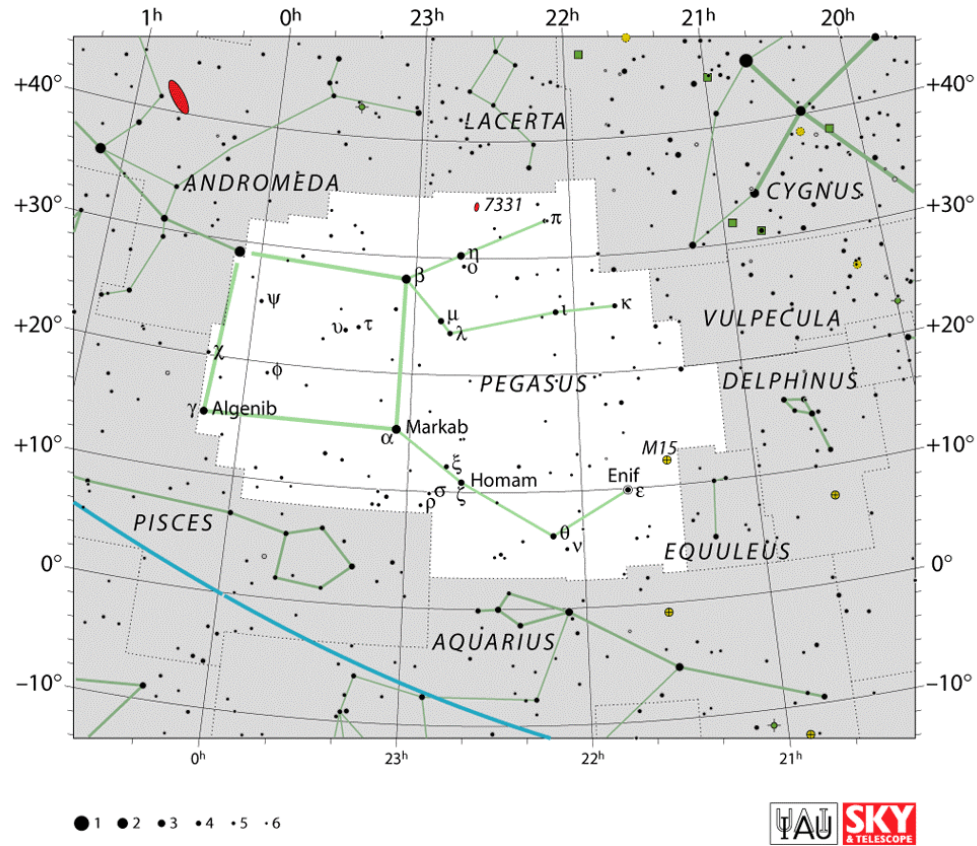


Constellation of the Month - Pegasus

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

www.rugbyastro.org.uk

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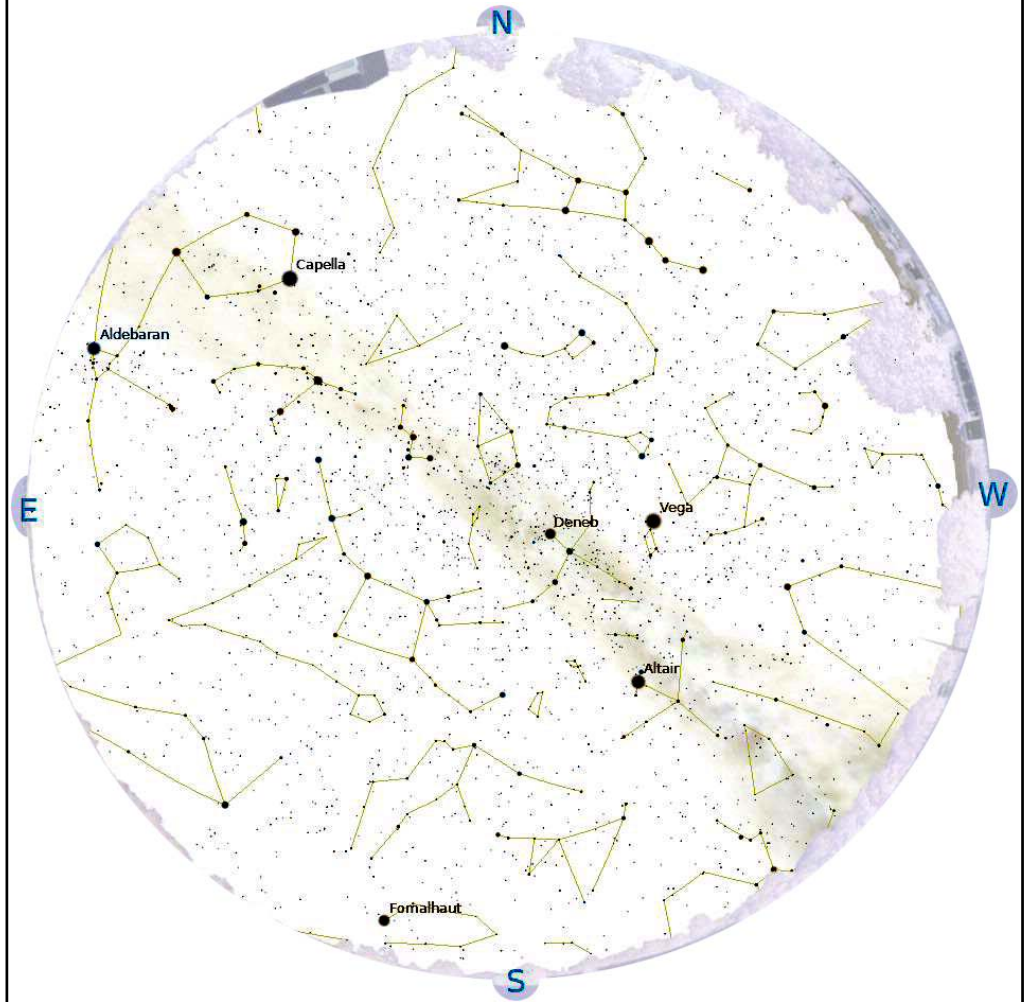
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Rugby & District Astronomical Society Sky Notes

by Chris Longthorn

September 2013, no 53



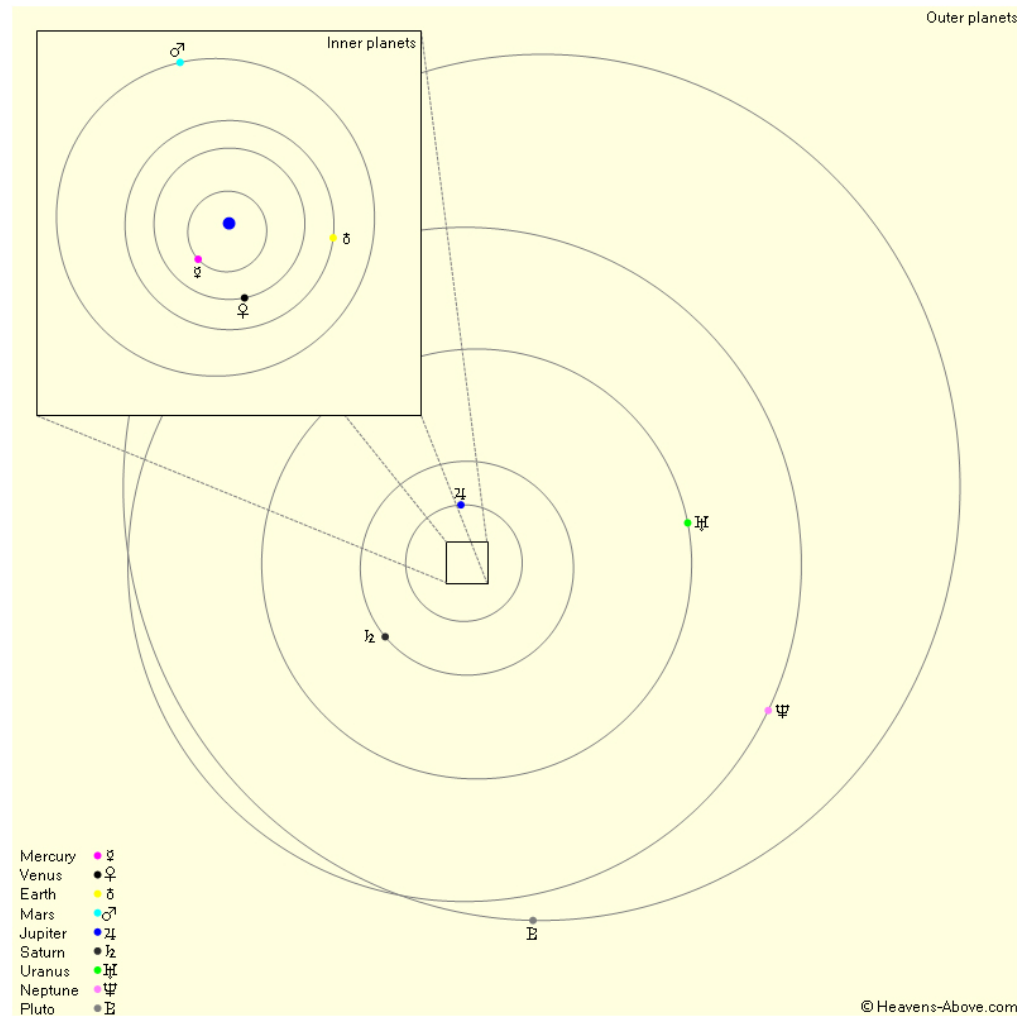
The night sky at 23:00 B.S.T., Sep 15th

Event Calendar, September 2013

Sunday Monday Tuesday Wednesday Thursday Friday Saturday

1 Algol at minimum (21:31)	2 Mars in conjunction with moon Iridium 3, 21:09:18 Mag - 8.2 Alt 59° Az 86° (E) Iridium 59, 22:34:44 Mag - 7.2 Alt 27° Az 48° (NE)	3	4	5 New Moon (11:36). Venus 1.8° north of Spica	5	7
8 Mars 0.5° south of Beehive cluster (conjunction) . Venus in close conjunction with moon	9 Saturn in conjunction with moon Iridium 3, 20:36:11 Mag - 7.9 Alt 64° Az 107° (ESE)	10	11	12 First quarter Moon (17:08)	13	14
15 R&DAS monthly meeting, Mike Leggett: Origins and Structure Of The Solar System Iridium 81, 05:06:48 Mag - 8.3 Alt 57° Az 222° (SW)	16	17	18 Warwickshire Geological Conservation Group—'Curiosity Rover and Martian Geology'	19 Algol at minimum (02:23). Full Moon (11:13)	20 Saturn in conjunction with Venus ISS, -3.1, 05:51:36 64° SSE	21 Algol at minimum (23:12)
22 Autumn Equinox (20:44) ISS, -3.3, 05:50:18 79° S	23 ISS, -3.3, 05:01:19 72° S	24 Algol at minimum (20:00) . Mercury 0°.8 N. of Spica	25 ISS, -3.4, 04:59:58 81° S	26	27 Last quarter Moon (3 55) ISS, -3.4, 04:58:35 72° S Iridium 95, 20:50:29 Mag - 8.2 Alt 51° Az 101° (ESE)	28 Jupiter 5° N. of Moon R&DAS Observing @ Church Lawford
29	30					

The Planets, mid month.



Mercury is in Virgo with a magnitude of -0.3, a phase of 88%, and a diameter of 5". It rises at 08:20, transits at 14:03, and sets at 19:45. It is visible low in the west after sunset.

Venus is in Virgo with a magnitude of -4.1, a phase of 69%, and a diameter of 16". It rises at 10:48, transits at 15:36, and sets at 20:23. It is visible in the evening sky.

Mars is in Cancer with a magnitude of +1.6, a phase of 96%, and a diameter of 4". It rises at 02:38, transits at 10:25, and sets at 18:10. It is visible in the morning sky.

Jupiter is in Gemini with a magnitude of -2.1 and a diameter of 36". It rises at 00:26, transits at 08:38, and sets at 16:50. It is visible in the morning sky.

Saturn is in Libra with a magnitude of +0.7 and a diameter of 16". It rises at 10:55, transits at 15:53, and sets at 20:51. It is visible in the evening sky.

Uranus is in Pisces with a magnitude of +5.7 and a diameter of 4". It transits at 02:11, sets at 08:33, and rises again at 19:45. It is well placed for observation throughout the night.

Neptune is in Aquarius with a magnitude of +7.8 and a diameter of 2". It sets at 04:57, rises again at 18:42, and transits at 23:47. It is well placed for observation throughout the night.

Detailed Map of Pegasus

Pegasus is the seventh largest constellation in the sky, occupying an area of 1121 square degrees.

It is located in the northern hemisphere and can be seen at latitudes between +90° and -60°.

The neighbouring constellations are Andromeda, Aquarius, Cygnus, Delphinus, Equuleus, Lacerta, Pisces and Vulpecula.

Pegasus contains a single Messier object – Messier 15 (NGC 7078, Cumulo de Pegaso) – and has nine stars with confirmed planets.

The brightest star in the constellation is Enif, Epsilon Pegasi, with an apparent visual magnitude of 2.4.

