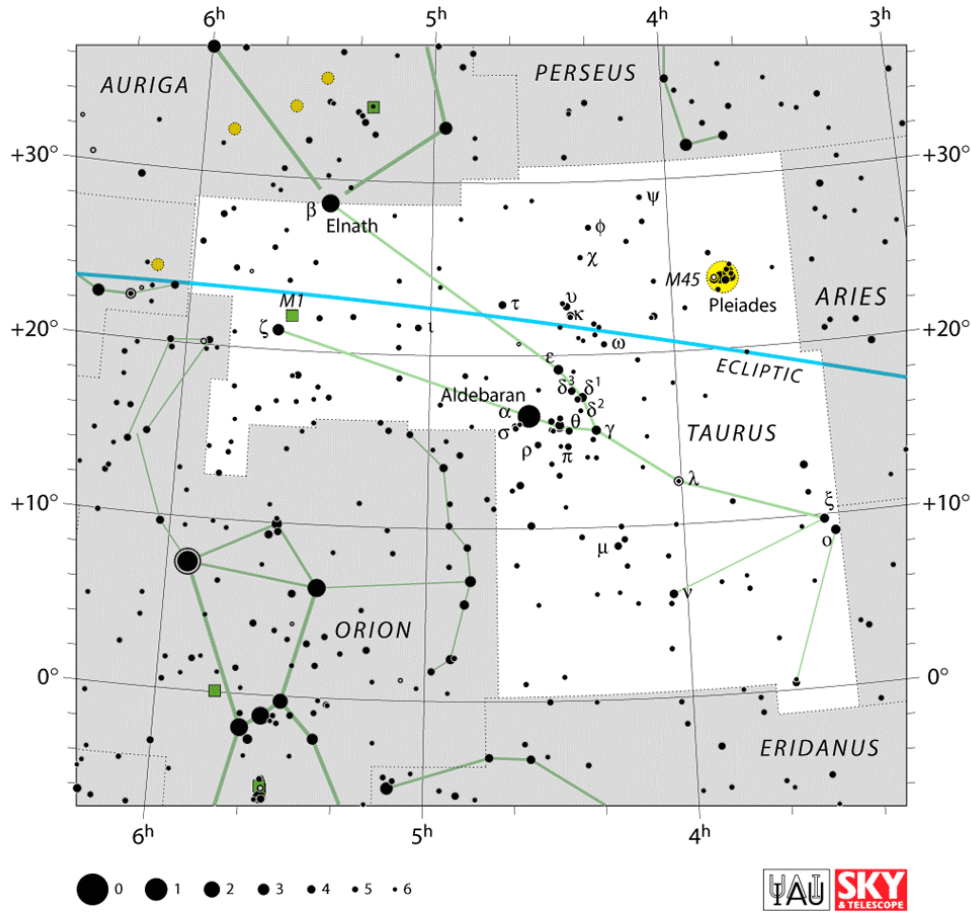


Constellation of the Month - Taurus

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

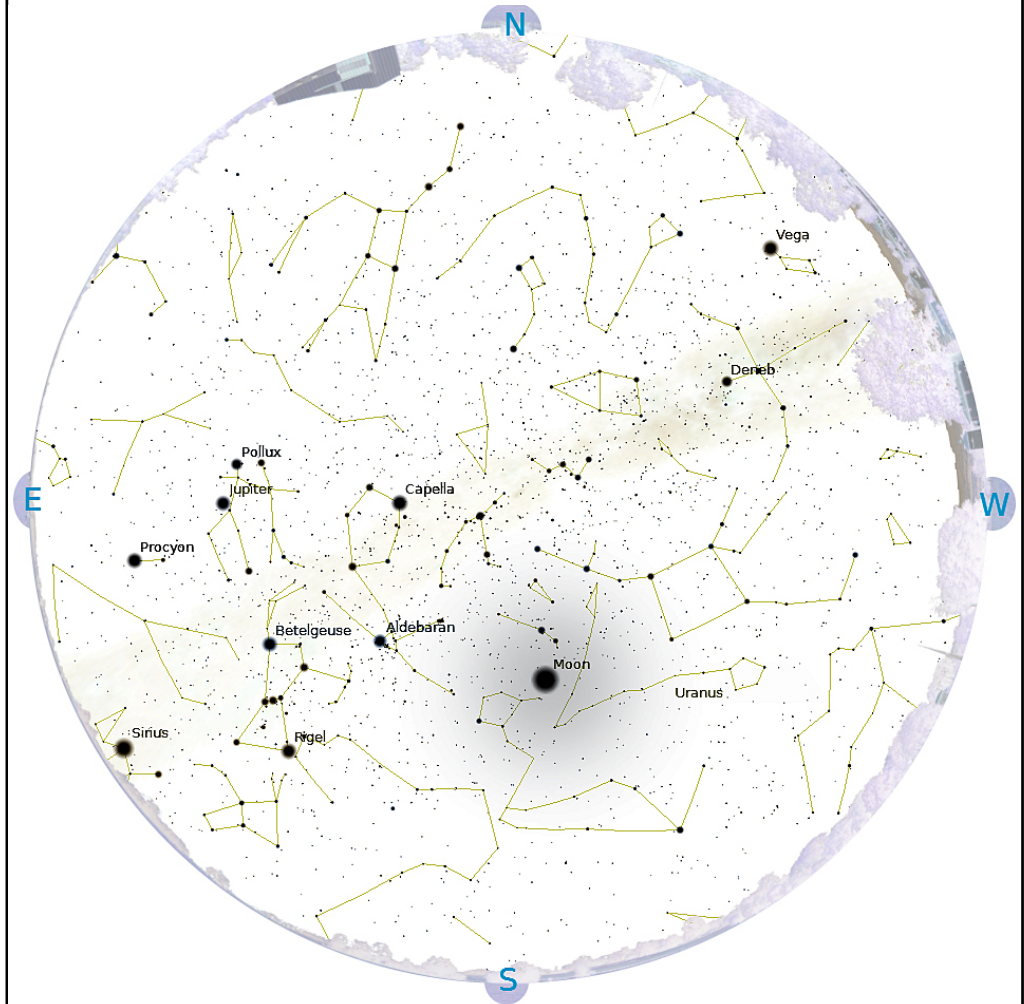
The Constellation of the Month will be selected from one that is readily visible most of the night during the month.



Rugby & District Astronomical Society Sky Notes

by Chris Longthorn

November 2013, no 54



Rugby & District Astronomical Society

www.rugbyastro.org.uk

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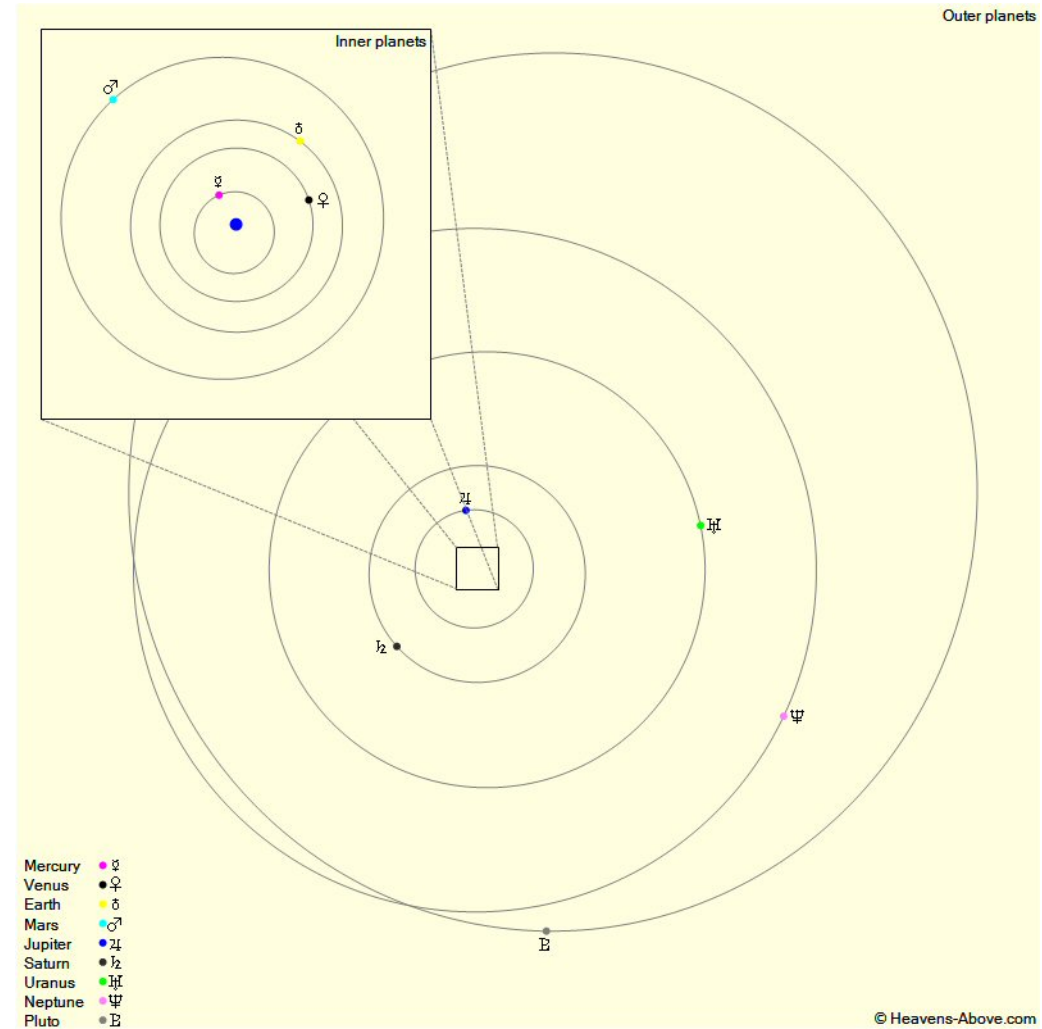
The night sky at 23:00 U.T.C., Nov 15th

Event Calendar, November 2013

Sunday Monday Tuesday Wednesday Thursday Friday Saturday

					1 Mercury at inferior conjunction Venus at greatest elongation 47.1° E ISS, -2.6 18:35:36, 33°, NE	2 Spica 0°.8 S. of Moon, Occ'n Re-appearance @ 6:05 U.T. at the dark limb.
3 Algol at minimum (23:24) Hybrid eclipse of the Sun visible from east Americas, south Europe and Africa New Moon (12:50)	4	5	6 Algol at minimum (20:12) Saturn at conjunction	7 Jupiter stationary, begins retrograde motion in Gemini Venus 8° S. of Moon	8 ISS, -3.4 04:34:02, 74°, NW	9 R&DAS Observing, Barby, 16:00
10 First quarter Moon (5:57)	11 Iridium 34, -7.0, 32°, 186°	12	13	14	15	16
17 Full Moon (15:16) Leonid meteor shower maximum (40/hr). Moon 100%. R&DAS November Meeting	18 Leonid meteor shower maximum (40/hr). Moon 100%. Mercury (morning object) at greatest elongation 19.5° W	19	20	21 Algol at minimum (04:17)	22 Jupiter 5° N. of Moon	23 R&DAS Observing, Church Lawford 15:30
24 Algol at minimum (01:06)	25 Last quarter Moon (19:28)	26 Algol at minimum (21:55) Saturn 0.3° north of Mercury (conjunction)	27 Mars 6° N. of Moon	28 Iridium 90, -6.6, 23°, 184°	29 Algol at minimum (18:44) Spica 0°.9 S. of Moon,	30 ISS, -2.0 19:31:49, 40°, SW

The Planets, mid month.



Mercury is in Virgo with a magnitude of -0.3, a phase of 47%, and a diameter of 7". It rises at 06:31, transits at 11:38, and sets at 16:44. It is visible low in the east before sunrise.

Venus is in Sagittarius with a magnitude of -4.5, a phase of 42%, and a diameter of 30". It rises at 12:46, transits at 16:08, and sets at 19:30. It is visible in the evening sky.

Mars is in Leo with a magnitude of +1.4, a phase of 92%, and a diameter of 5". It rises at 02:08, transits at 08:45, and sets at 15:21. It is visible in the morning sky.

Jupiter is in Gemini with a magnitude of -2.5 and a diameter of 43". It transits at 04:56, sets at 13:05, and rises again at 20:43. It is visible in the morning sky.

Saturn is in Libra with a magnitude of +0.5 and a diameter of 15". It rises at 07:35, transits at 12:20, and sets at 17:06. It is currently too close to the Sun to be observed.

Uranus is in Pisces with a magnitude of +5.7 and a diameter of 4". It sets at 04:21, rises again at 15:41, and transits at 21:59. 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 sets at 00:52, rises again at 14:41, and transits at 19:44. It is visible in the evening sky.