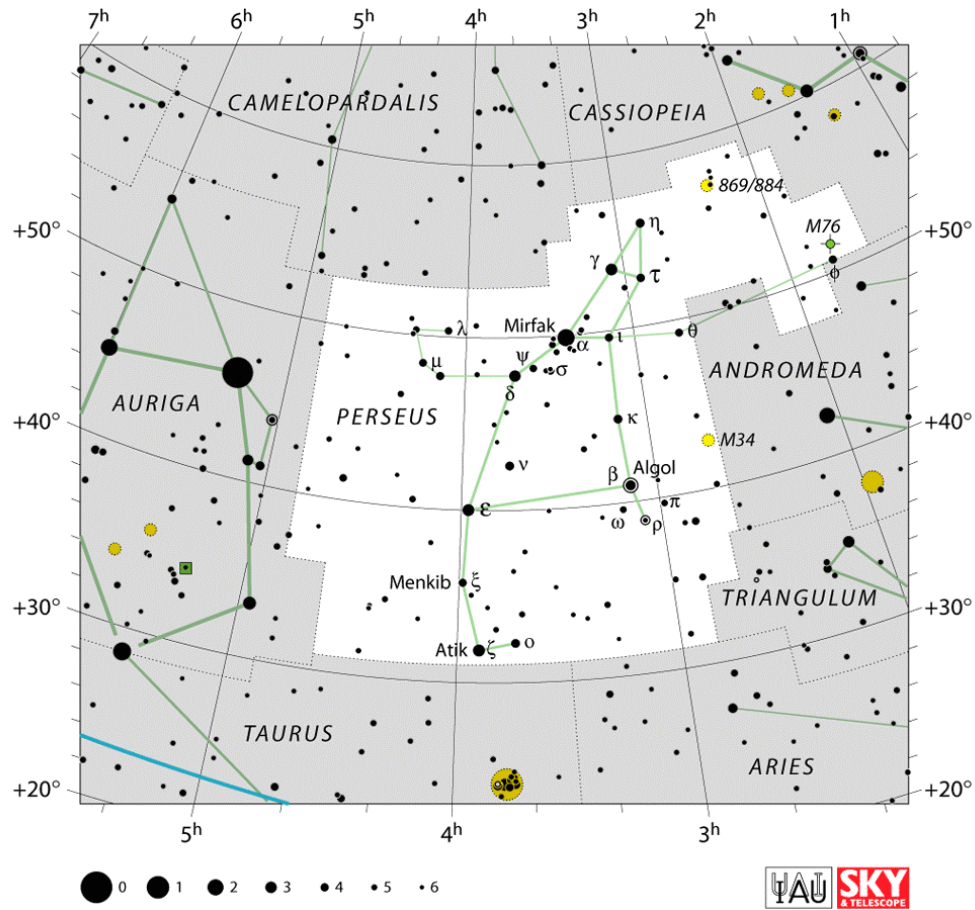


Constellation of the Month - Perseus

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

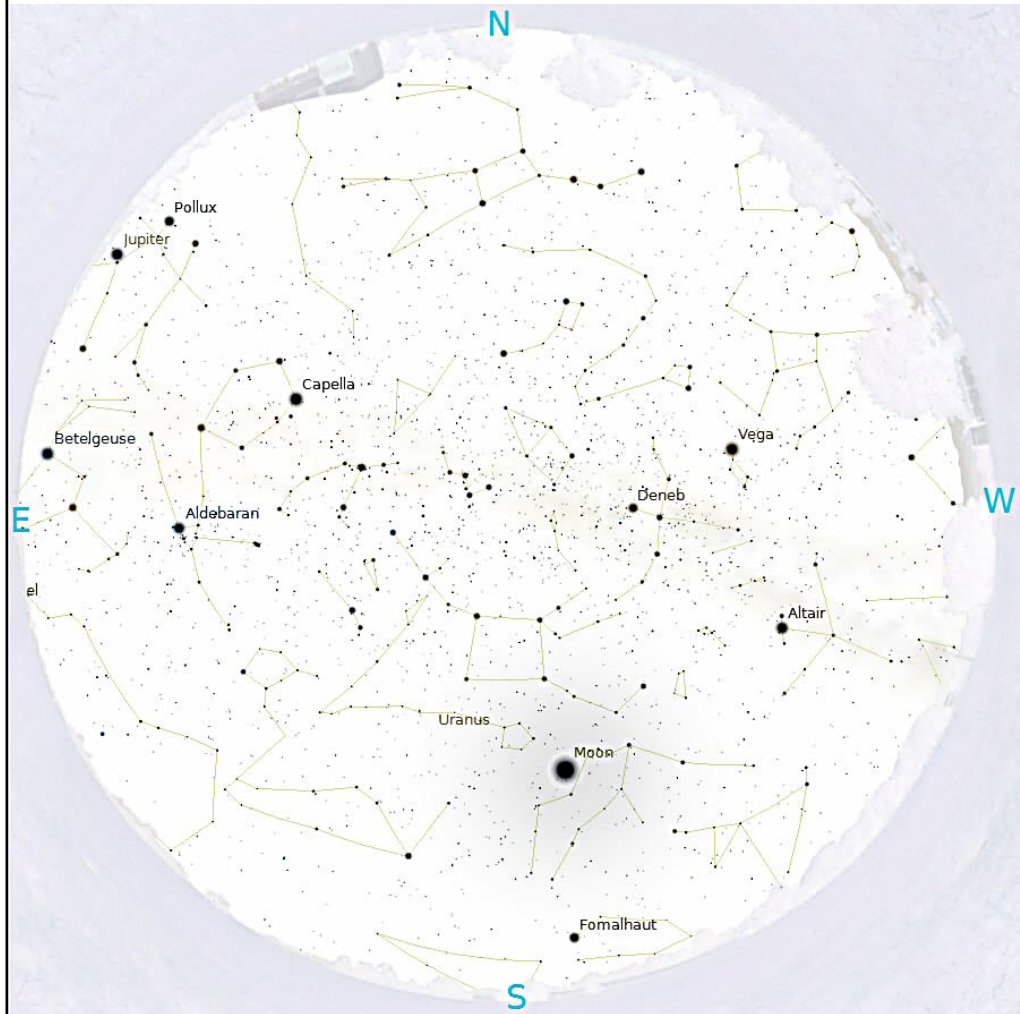
The Constellation of the Month will be selected from one that is readily visible most of the night during the month.



Rugby & District Astronomical Society Sky Notes

by Chris Longthorn

October 2013, no 54



Rugby & District Astronomical Society

www.rugbyastro.org.uk

| | | | |
|---------------------|-----------------|----------------------|-------------------|
| Honorary President: | Roger Jackson | Chair: | Dr Johanna Jarvis |
| Treasurer : | Sarah Meek | Membership Secretary | Barrie Chessell |
| Webmaster | David Riley | Secretary: | Lesley Dyke |
| Sky Notes | Chris Longthorn | | |

Email rugby-Astro@hotmail.co.uk

Phone 07739-716383

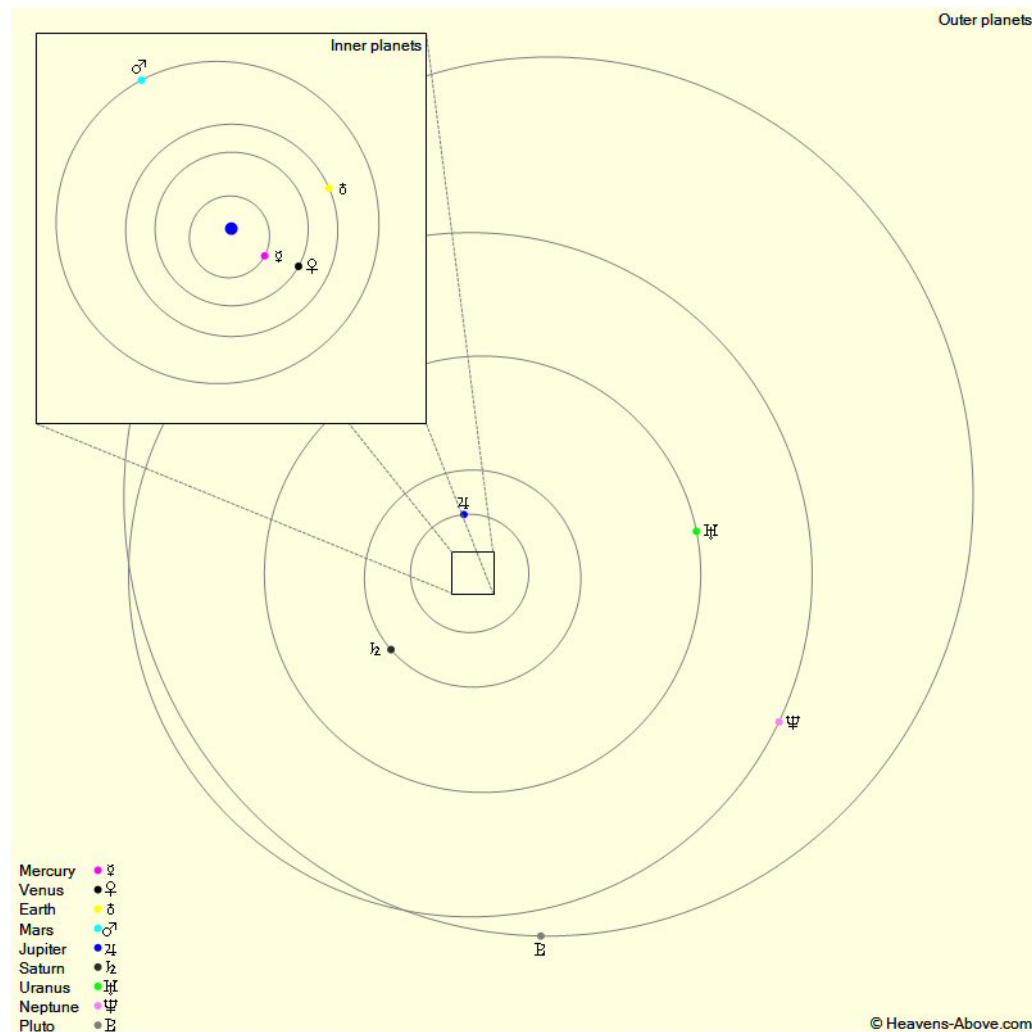
© R&DAS 2013

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

Event Calendar, October 2013

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|--|---|--|--|---|--|
| | | 1 ISS, -2.4 18:47:30 29° SE | 2 | 3 Uranus at opposition in Pisces ISS, -2.4 18:44:58 49° NW | 4 | 5 New Moon (0:34) |
| 6 Mercury 3° S. of Moon | 7 Draconid meteor shower maximum (2/hr). Moon 5%. Saturn 1°.9 N. of Moon | 8 Venus 5° S. of Moon ISS, -3.1 04:38:14 70° NE | 9 Algol at minimum (04:04) Mercury (evening object) at greatest elongation 25.3° E | 10 Saturn 5.4° north of Mercury (conjunction) | 11 First quarter Moon (23:02) RADAS Observing Evening, Barby | 12 Algol at minimum (00:53) Iridium, 19:03:51 -7.2 35°, 168° (SSE) Iridium 32 |
| 13 Astronomy Day | 14 Algol at minimum (21:42) Mars 1°.0 N. of Regulus | 15 | 16 Venus 1°.6 N. of Antares | 17 Algol at minimum (18:30) | 18 Full Moon (23:38) Penumbral eclipse of the Moon visible from Americas, Europe, Africa and Asia Iridium, 18:35:39 -7.6 40°, 178° (S) Iridium 29 | 19 FAS Conference, Cambridge |
| 20 RADAS Members & Observing Evening | 21 Orionid meteor shower maximum (20/hr). Moon waning 90% | 22 Orionid meteor shower maximum (20/hr). Moon waning 90% | 23 | 24 | 25 Jupiter 5° N. of Moon | 26 Last quarter Moon (23:40) RADAS Observing Evening, Ch Lawford |
| 27 End of BST— Hurrah! | 28 | 29 Algol at minimum (05:46) | 30 Mars 6° N. of Moon | 31 | | |

The Planets, mid month.



Mercury is in Libra with a magnitude of +0.2, a phase of 47%, and a diameter of 8". It rises at 10:07, transits at 14:20, and sets at 18:33. It is visible low in the west after sunset.

Venus is in Ophiuchus with a magnitude of -4.3, a phase of 57%, and a diameter of 21". It rises at 12:14, transits at 15:53, and sets at 19:32. It is visible in the evening sky.

Mars is in Leo with a magnitude of +1.6, a phase of 94%, and a diameter of 5". It rises at 02:27, transits at 09:39, and sets at 16:51. It is visible in the morning sky.

Jupiter is in Gemini with a magnitude of -2.3 and a diameter of 39". It transits at 06:54, sets at 15:04, and rises again at 22:41. It is visible in the morning sky.

Saturn is in Libra with a magnitude of +0.6 and a diameter of 15". It rises at 09:16, transits at 14:08, and sets at 19:00. It is visible low in the west after sunset.

Uranus is in Pisces with a magnitude of +5.7 and a diameter of 4". It transits at 00:09, sets at 06:29, and rises again at 17:45. 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 02:55, rises again at 16:43, and transits at 21:47. It is visible in the evening sky.