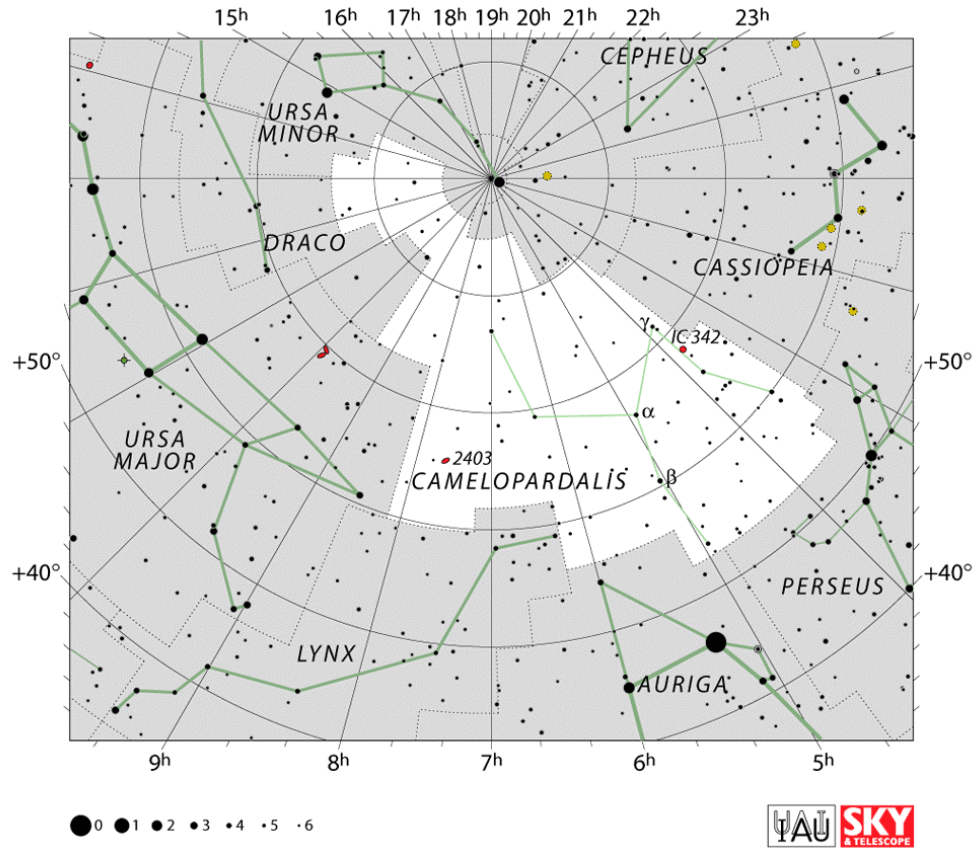


Constellation of the Month - Camelopardalis

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.

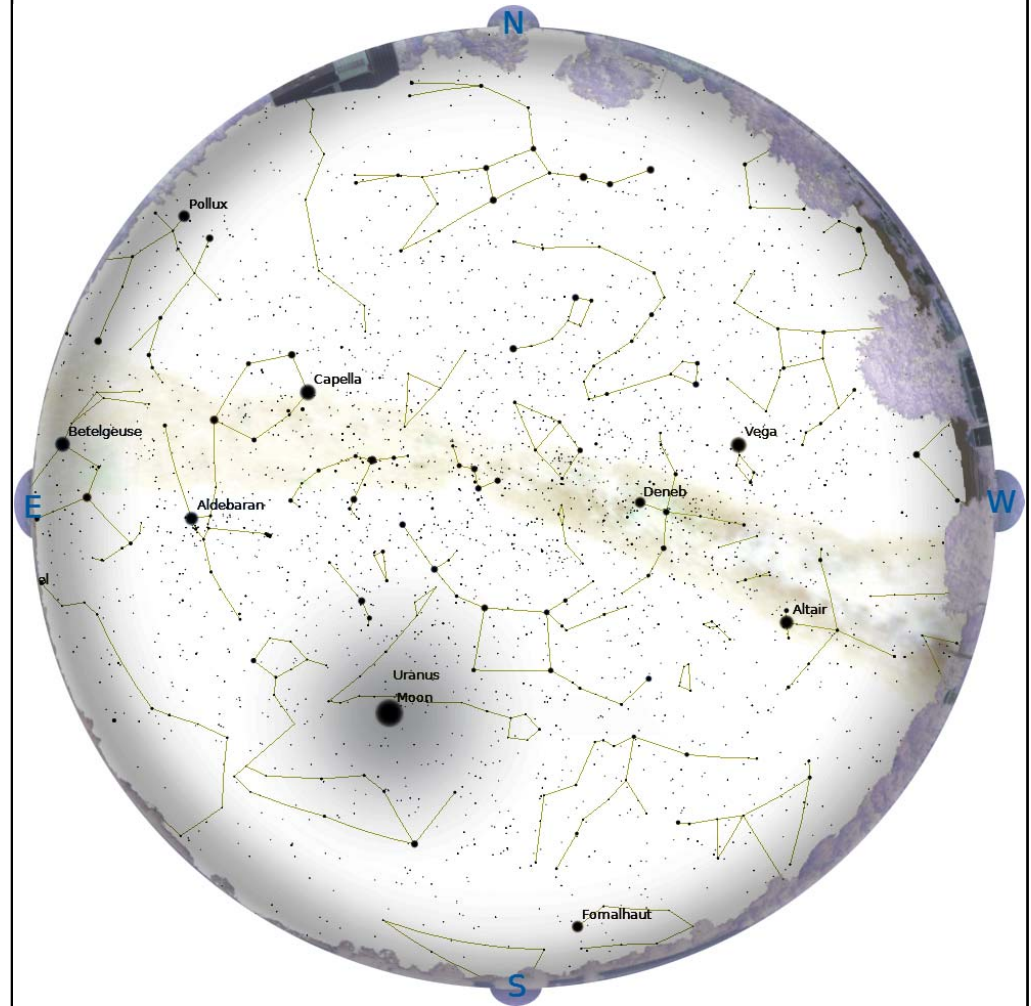


Rugby & District Astronomical Society

Sky Notes

by Chris Longthorn

October 2016, no 87



Rugby & District Astronomical Society

www.rugbyastro.org.uk






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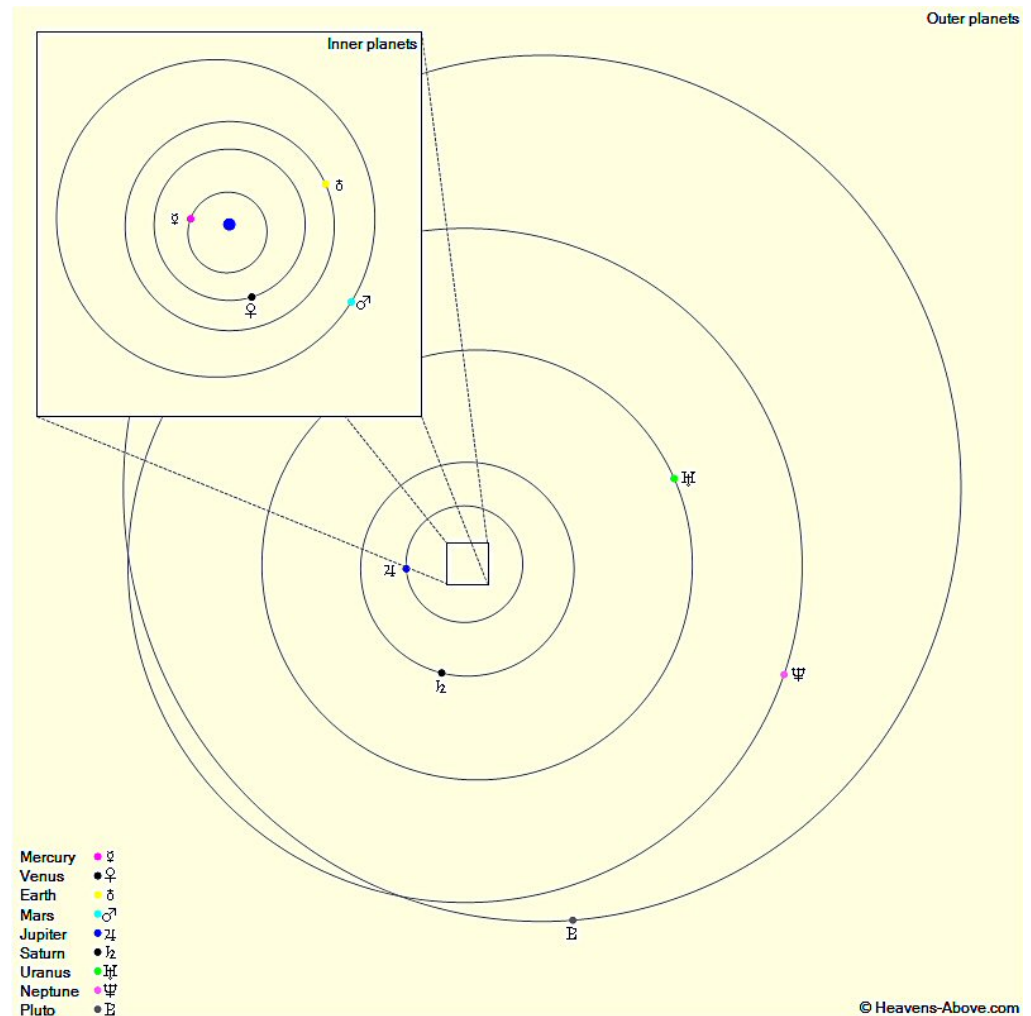
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The night sky at 23:00 U.T.C., October 15th 2016

2016 October

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						 1 New Moon 01:12 Venus 30.9° E
2	3 Moon-Venus 18:30	4 Moon Apogee 12:02 ISS, -3.4, 20:28, 64°, SSE	5 ISS, -3.0, 19:35, 49°, SSE	6 Moon-Saturn 09:04 ISS, -3.4, 20:19, 78°, S Iridium 39 19:57, -8.3, 56°, 136° (SE)	7 ISS, -3.3, 19:26, 68°, SSE	8 Moon S Dec 07:03 ISS, -3.4, 20:09, 80°, S
 9 First Quarter 05:33 ISS, -3.3, 19:16, 79°, S	10 ISS, -3.3, 20:00, 70°, S	11 ISS, -3.3, 19:07, 79°, S	12 ISS, -2.9, 19:50, 53°, SSW	13 Moon D Node 10:43 ISS, -3.1, 18:57, 67°, SSW	14	15 Uranus Opp 11:15
 16 Full Moon 05:23 R&DAS meet- ing 7:30 Church Law- ford	17 Moon Perigee 00:36	18	19 Moon-Aldeb 07:18	20	21 Moon N Dec 00:38 Orionids 05:45	 22 Last Quarter 20:14
23	24	25 Moon-Regulus 05:01	26 Moon A Node 02:45 Venus-Ant. 11:54	27 Mercury Super 16:53	28 Moon-Jupiter 10:33	29
 30 Venus-Sat 02:47 New Moon 17:38	31 Moon Apogee 19:29					

The Planets, mid month.



Mercury is in Virgo with a magnitude of -1.2, a phase of 96%, and a diameter of 5". It rises at 06:42, transits at 12:26, and sets at 18:08. It is currently too close to the Sun to be observed.

Venus is in Libra with a magnitude of -4.0, a phase of 82%, and a diameter of 13". It rises at 11:04, transits at 15:09, and sets at 19:13. It is visible in the evening sky.

Mars is in Sagittarius with a magnitude of +0.2, a phase of 85%, and a diameter of 8". It rises at 14:57, transits at 18:26, and sets at 21:55. It is visible in the evening sky.

Jupiter is in Virgo with a magnitude of -1.7 and a diameter of 31". It rises at 06:11, transits at 12:03, and sets at 17:54. It is visible low in the east before sunrise.

Saturn is in Ophiuchus with a magnitude of +0.6 and a diameter of 16". It rises at 12:18, transits at 16:18, and sets at 20:18. 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 00:59, sets at 07:46, and rises again at 18:07. 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 03:36, rises again at 17:02, and transits at 22:17. It is well placed for observation throughout the night.